| FED. RD. DIV. NO. | FEDERAL AID PROJECT NO. | SHEET NO. |
|---|---|---|
| 6 | IM 0335(151) | 176 |

| STATE | STATE DIST. | COUNTY |
|---|---|---|
| TEXAS | 2 | TARRANT |

| CONT. | SECT. | JOB | HIGHWAY NO. |
|---|---|---|---|
| 0014 | 16 | 255, ETC | IH 35W |

# STATE OF TEXAS
## DEPARTMENT OF TRANSPORTATION

## PLANS OF PROPOSED
## STATE HIGHWAY IMPROVEMENT

FEDERAL AID PROJECT: IM 0335(151)

TARRANT COUNTY

IH-35W (URBAN FREEWAY)

**VOLUME 2**

LIMITS: FROM NORTH TARRANT PARKWAY TO IH 820

NET LENGTH OF PROJECT = 18,900.00 FT = 3.580 MI.

FUNCTIONAL CLASS: URBAN FREEWAY
DESIGN SPEED: 70 MPH MANAGED/GENERAL PUROOSE LANES
45 MPH RAMPS & MANAGED LANE RAMPS
40-45 MPH DIRECT CONNECTORS
40 MPH FRONTAGE ROADS
35 MPH CROSS STREETS

| ADT | 2010 | 2030 |
|---|---|---|
| NORTH TARRANT PKWY TO US 287 SPLIT | 115,100 | 178,700 |
| US 287 SPLIT TO IH 820 | 174,900 | 269,800 |

INDEX OF SHEETS


| SHEET NO. | DESCRIPTION |
|---|---|
| 1 | TITLE SHEET |
| 2 | INDEX OF SHEETS |

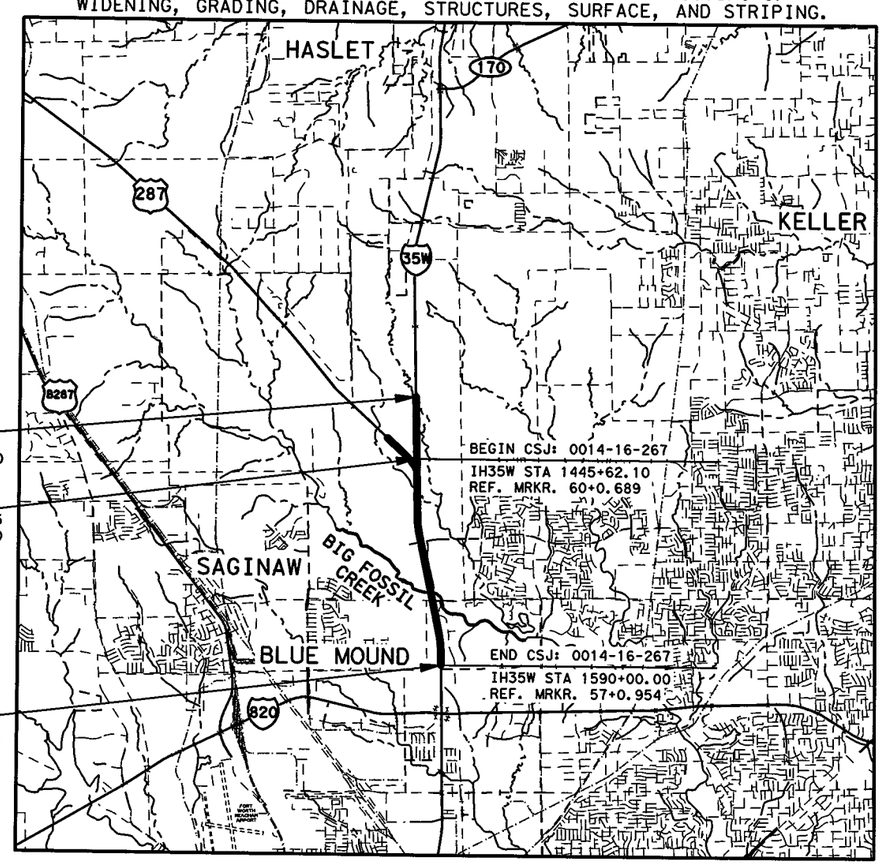

**TDLR INSPECTION REQUIRED**

| LOCATION | ROADWAY | BRIDGE | TOTAL |
|---|---|---|---|
| CSJ 0014-16-255 | 13,860.99 FT = 2.626 MI. | 576.91 FT = 0.109 MI. | 14,437.90 FT = 2.735 MI. |
| CSJ 0081-12-045 | 4,462.10 FT = 0.845 MI. | - | 4,462.10 FT = 0.845 MI. |
| TOTAL | 18,523.09 FT = 3.475 MI. | 576.91 FT = 0.109 MI. | 18,900.00 FT = 3.580 MI. |
| | | | |
| CSJ 0014-16-267 | (ROW AND UTILITIES) | - | 14,437.90 FT = 2.735 MI. |

FOR THE CONSTRUCTION OF A FREEWAY FACILITY CONSISTING OF WIDENING, GRADING, DRAINAGE, STRUCTURES, SURFACE, AND STRIPING.

N

SCALE: 1" = 2 MILES




BEGIN PROJECT
CSJ: 0081-12-045
IH 35W STA 1401+00.00
REF. MRKR. 61+0.534

END CSJ: 0081-12-045
BEGIN CSJ: 0014-16-255
IH 35W STA 1445+62.10
REF. MRKR. 60+0.689

END PROJECT
CSJ: 0014-16-255
IH 35W STA 1590+00.00
REF. MRKR. 57+0.954

BEGIN CSJ: 0014-16-267
IH35W STA 1445+62.10
REF. MRKR. 60+0.689

END CSJ: 0014-16-267
IH35W STA 1590+00.00
REF. MRKR. 57+0.954

EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROADS: NONE

FINAL PLANS

LETTING DATE: _____
DATE CONTRACTOR BEGAN WORK: _____
DATE WORK WAS COMPLETED & ACCEPTED: _____
FINAL CONTRACT COST: _____
CONTRACTOR: _____

STATE OF TEXAS — M. N. MOZAFFAR — 85191 — LICENSED PROFESSIONAL ENGINEER

STATE OF TEXAS — KURT W. AUNGST — 90848 — LICENSED PROFESSIONAL ENGINEER

I. S. ENGINEERS, LLC

KENNEDY CONSULTING

SUBMITTED BY 7/13/2012
m.n.m
PROJECT MANAGER

SUBMITTED BY 7/13/12
DEPUTY PROJECT MANAGER

TEXAS DEPARTMENT OF TRANSPORTATION

SUBMITTED FOR LETTING
AREA ENGINEER

RECOMMENDED FOR LETTING
DISTRICT DESIGN ENGINEER

APPROVED FOR LETTING
DIRECTOR, TRAFFIC OPERATIONS DIVISION

RECOMMENDED FOR LETTING
DISTRICT ENGINEER

APPROVED FOR LETTING
DIRECTOR, DESIGN DIVISION

SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION, JUNE 1, 2004 AND SPECIFICATION ITEMS LISTED AND DATED AS FOLLOWS, SHALL GOVERN ON THIS PROJECT: REQUIRED CONTRACT PROVISIONS FOR ALL FEDERAL-AID CONSTRUCTION CONTRACTS (FORM FHWA 1273, MARCH 1994).

DRAWING DATE: 7/13/2012 FILENAME: S3BTITLE02.dgn

COUNTY TARRANT PROJ. NO. ____
HWY. NO. ____ LETTING DATE ____
DATE ACCEPTED ____

©2012 by Texas Department of Transportation; all rights reserved.

| SHEET NO. | DESCRIPTION |
|---|---|

# VOLUME I

## I. GENERAL


| | |
|---|---|
| 1 | TITLE SHEET |
| 2-6 | INDEX OF SHEETS |
| 7 | PROJECT LAYOUT KEY MAP |
| 8-17 | PROJECT LAYOUTS |
| 18-23 | TYPICAL SECTIONS - EXISTING |
| 24-54 | TYPICAL SECTIONS - PROPOSED |
| 55, 55A-55C, 56 | TYPICAL SECTIONS - MISCELLANEOUS DETAILS |
| 57, 57A-57_ | GENERAL NOTES |
| 58, 58A-58_ | ESTIMATE AND QUANTITY SUMMARY |
| 59-91 | QUANTITY SUMMARY - TRAFFIC CONTROL |
| 92 | QUANTITY SUMMARY - REMOVAL |
| 93-97, 97A-97B | QUANTITY SUMMARY - PAVEMENT |
| 98-100A | QUANTITY SUMMARY - EARTHWORK |
| 101-102 | QUANTITY SUMMARY - MANAGED LN & GEN PURPOSE LN - ROADWAY ITEMS |
| 103 | QUANTITY SUMMARY - DIRECT CONNECTOR & RAMP - ROADWAY ITEMS |
| 104-105 | QUANTITY SUMMARY - FRONTAGE ROAD - ROADWAY ITEMS |
| 106 | QUANTITY SUMMARY - CROSS STREET - ROADWAY ITEMS |
| 107 | DRIVEWAY & MISCELLANEOUS |
| 108 | QUANTITY SUMMARY - RETAINING WALL |
| 109-126 | SUMMARY OF DRAINAGE QUANTITIES |
| 127 | QUANTITY SUMMARY - EROSION CONTROL |
| 128-132 | QUANTITY SUMMARY - BRIDGES |
| 133-135 | QUANTITY SUMMARY - SIGN ASSEMBLIES |
| 136-137, 137A-137B | QUANTITY SUMMARY - STRIPING ITEMS |
| 138 | QUANTITY SUMMARY - DELINEATION ITEMS |
| 139-143 | ILLUMINATION SUMMARY |
| 144-149 | ITS SUMMARY |
| 150-154 | TRAFFIC SIGNAL SUMMARY |
| 155-159 | UTILITY SUMMARY |
| 160-169 | SUMMARY OF SMALL SIGNS |
| 170-175 | SUMMARY OF LARGE SIGNS |


# VOLUME II

## II. TRAFFIC CONTROL PLAN


| | |
|---|---|
| 176 | TITLE SHEET |
| 177-181 | INDEX OF SHEETS |
| 182-183, 183A | CONSTRUCTION SEQUENCE NARRATIVE |
| 184-193 | OVERALL CONSTRUCTION SEQUENCE LAYOUT |
| 194 | ADVANCE WARNING SIGNS |
| 195-204 | CONSTRUCTION SEQUENCE LAYOUT - PHASE 1 STEP 1 |
| 205-208 | TCP SECTION - PHASE 1 STEP 1 |
| 209-232 | TRAFFIC CONTROL PLAN - PHASE 1 STEP 1 |
| 233 | DETOUR RAMP 35S-BB |
| 234-243 | CONSTRUCTION SEQUENCE LAYOUT - PHASE 1 STEP 2 |
| 244-247 | TCP SECTION - PHASE 1 STEP 2 |
| 248-271 | TRAFFIC CONTROL PLAN - PHASE 1 STEP 2 |
| 272 | TCP SECTION - PHASE 1 STEP 2B |
| 273-274, 274A | TRAFFIC CONTROL PLAN - PHASE 1 STEP 2B |
| 275 | DETOUR DC 35S-287W |
| 276-285 | CONSTRUCTION SEQUENCE LAYOUT - PHASE 1 STEP 3 |
| 286-289 | TCP SECTION - PHASE 1 STEP 3 |
| 290-313 | TRAFFIC CONTROL PLAN - PHASE 1 STEP 3 |
| 314-323 | CONSTRUCTION SEQUENCE LAYOUT - PHASE 2 STEP 1 |
| 324-327 | TCP SECTION - PHASE 2 STEP 1 |
| 328-351 | TRAFFIC CONTROL PLAN - PHASE 2 STEP 1 |
| 352-353 | TRAFFIC CONTROL PLAN - PHASE 2 STEP 1B |
| 354-355 | TRAFFIC CONTROL PLAN - PHASE 2 STEP 1C |
| 356-365 | CONSTRUCTION SEQUENCE LAYOUT - PHASE 2 STEP 2 |
| 366-369 | TCP SECTION - PHASE 2 STEP 2 |
| 370-393 | TRAFFIC CONTROL PLAN - PHASE 2 STEP 2 |
| 393A | TRAFFIC CONTROL PLAN - PHASE 2 STEP 2B |
| 394 | DETOUR RAMP 35N-WCB |
| 395-404 | CONSTRUCTION SEQUENCE LAYOUT - PHASE 2 STEP 3 |
| 405-408 | TCP SECTION - PHASE 2 STEP 3 |
| 409-432 | TRAFFIC CONTROL PLAN - PHASE 2 STEP 3 |
| 432A-432C | TRAFFIC CONTROL PLAN - PHASE 2 STEP 3B |
| 433-442 | CONSTRUCTION SEQUENCE LAYOUT - PHASE 3 STEP 1 |
| 443-446 | TCP SECTION - PHASE 3 STEP 1 |
| 447-470 | TRAFFIC CONTROL PLAN - PHASE 3 STEP 1 |
| 470A-470B | TRAFFIC CONTROL PLAN - PHASE 3 STEP 1B |
| 471 | DETOUR RAMP NTP-35S |
| 472 | DETOUR DC 287E-35S |
| 473-482 | CONSTRUCTION SEQUENCE LAYOUT - PHASE 3 STEP 2 |
| 483-486 | TCP SECTION - PHASE 3 STEP 2 |
| 487-510 | TRAFFIC CONTROL PLAN - PHASE 3 STEP 2 |


| SHEET NO. | DESCRIPTION |
|---|---|

# VOLUME II (CONT'D)

## II. TRAFFIC CONTROL PLAN


| | |
|---|---|
| 510A | TCP SECTION - PHASE 3 STEP 2B |
| 510B-510I | TRAFFIC CONTROL PLAN - PHASE 3 STEP 2B |
| 511-520 | CONSTRUCTION SEQUENCE LAYOUT - PHASE 4 STEP 1 |
| 521-524 | TCP SECTION - PHASE 4 STEP 1 |
| 525-548 | TRAFFIC CONTROL PLAN - PHASE 4 STEP 1 |
| 549-558 | CONSTRUCTION SEQUENCE LAYOUT - PHASE 4 STEP 2 |
| 559-562 | TCP SECTION - PHASE 4 STEP 2 |
| 563-586 | TRAFFIC CONTROL PLAN - PHASE 4 STEP 2 |
| 587-596 | CONSTRUCTION SEQUENCE LAYOUT - PHASE 5 |
| 597-600 | TCP SECTION - PHASE 5 |
| 601-624 | TRAFFIC CONTROL PLAN - PHASE 5 |
| 624A-624C | TRAFFIC CONTROL PLAN - PHASE 5B |
| 625-630, 630A-630E | OFFSITE DETOUR PLAN |
| 631 | TEMPORARY RETAINING WALL DETAIL SHEET |
| 632 | CONSTRUCTION SEQUENCE FOR MISC DRIVEWAYS |


### STANDARDS


| | |
|---|---|
| 633-644 | **BC(1)-07 THRU BC(12)-07 |
| 645 | **WZ(TD)-03 |
| 646-647 | **WZ(BTS-1)-03 AND WZ(BTS-2)-03 |
| 648 | **WZ(STPM)-03 |
| 649 | **WZ(UL)-03 |
| 650 | **OMIT |
| 651 | **TCP(1-2)-12 |
| 652 | **TCP(1-4)-12 |
| 653 | **TCP(2-1)-12 |
| 654-656 | **TCP(2-4)-12 THRU TCP (2-6)-12 |
| 657-658 | **TCP(3-2)-98 AND TCP (3-3)-98 |
| 659-665 | **TCP(6-1)-98A THRU TCP (6-7)-98A |
| 666 | **TCP(6-8)-98 |
| 667 | **OMIT |
| 668-669 | **LPCB-10(TYPE1) AND LPCB-10(TYPE2) |
| 670, 670A | **SSCB(2)-10 |
| 670B | **SSCB(5)-10 |
| 671 | **REACT(W)-03 |


# VOLUME III

## III. ROADWAY DETAILS


| | |
|---|---|
| 672 | TITLE SHEET |
| 673-677 | INDEX OF SHEETS |
| 678-700 | REMOVAL PLANS |
| 701-704 | HORIZONTAL AND VERTICAL CONTROL |
| 705-720 | HORIZONTAL ALIGNMENT DATA |
| 721-723 | ROADWAY PLAN AND PROFILE - MANAGED LANE TRANSITIONS |
| 724-738 | ROADWAY PLAN AND PROFILE - MANAGED LANES |
| 739-742 | ROADWAY PLAN AND PROFILE - GENERAL PURPOSE LANE TRANSITIONS |
| 743-764 | ROADWAY PLAN AND PROFILE - GENERAL PURPOSE LANES |
| 765-766 | ROADWAY PLAN AND PROFILE - GENERAL PURPOSE LANE TRANSITION |
| 767-777 | ROADWAY PLAN AND PROFILE - NORTHBOUND FRONTAGE ROAD |
| 778-789 | ROADWAY PLAN AND PROFILE - SOUTHBOUND FRONTAGE ROAD |
| 790-809 | ROADWAY PLAN AND PROFILE - RAMPS |
| 810-823 | ROADWAY PLAN AND PROFILE - DIRECT CONNECTORS |
| 824-825 | ROADWAY PLAN AND PROFILE - US 287 |
| 826-827 | ROADWAY PLAN AND PROFILE - BASSWOOD BLVD |
| 828-829 | ROADWAY PLAN AND PROFILE - WESTERN CENTER BLVD |
| 830 | ROADWAY PLAN AND PROFILE - FOSSIL CREEK BLVD |
| 831-832 | SUPERELEVATION DATA |
| 833-834 | METAL BEAM GUARD FENCE SUMMARY |
| 834A | CRASH CUSHION SUMMARY SHEET |
| 835-836, 836A, 837, 837A, 838, 838A, 839-840 | INTERSECTION LAYOUT |
| 841-848 | DRIVEWAY PROFILES |
| 849-851 | DRIVEWAY DETAILS |
| 852-868 | GORE CONTOUR PLANS |
| 869-875 | RIPRAP LAYOUT |
| 876 | RIPRAP DETAIL |
| 877-878 | U-TURN MEDIAN DETAILS |
| 879-881 | TRAFFIC ISLAND DETAILS |
| 882-883 | SUPPLEMENTAL GRADING |
| 884-890 | MISCELLANEOUS ROADWAY DETAILS |
| 891-892 | BTD (HOU) |


| SHEET NO. | DESCRIPTION |
|---|---|

# VOLUME III (CONT'D)

## III. ROADWAY DETAILS

### STANDARDS


| | |
|---|---|
| 893 | *MBGF-09 |
| 894 | *MBGF-11 |
| 895 | *GF(31)-11 |
| 896 | *GF(31)LS-11 |
| 897 | *GF(31)DAT-11 |
| 898 | *GF(31)TR-11 |
| 899 | *GF(31)TL2-11 |
| 900 | *GF(31)MS-11 |
| 901 | *SGT(7S)31-11 |
| 902 | *CRCP(1)-11 |
| 903 | *TE(HMAC)-11 |
| 904 | *BED-11 |
| 905 | *PCTB(1)-04 |
| 906 | *SSCB(1)-10 |
| 907 | *SSCB(1F)-10 |
| 908 | *SSCB(3)-10 |
| 909-910 | *CSB(1)-10 |
| 911 | *CSB(2)-10 |
| 912 | *CDD-08(FW) |
| 913 | *CP-TD-03(FW) |
| 914 | *CP-TEP-03 (FW) |
| 915 | *RS(1)-10 |
| 916 | *JS-03(FW) |
| 917 | *CC-CG(FW) |
| 918-921 | *PED-12 |
| 922 | *PRD-06 |
| 923 | *TRF |
| 924-925 | *SSTR |
| 926 | *CSWD-08(FW) |
| 927 | *CRVC (FW) |
| 928 | *LPD-00 (FW) |
| 929 | *REACT(N)-12 |
| 930 | *SMTC(W)-06 |
| 931 | *HEART-10 |


## IV. RETAINING WALL DETAILS


| | |
|---|---|
| 932-934 | RETAINING WALLS KEYMAP |
| 935 | RETAINING WALLS - PLAN AND PROFILE - NB01-A |
| 936 | RETAINING WALLS - TYPICAL SECTIONS - NB01-A |
| 937 | RETAINING WALLS - PLAN AND PROFILE - NB01-R |
| 938 | RETAINING WALLS - TYPICAL SECTIONS - NB01-R |
| 939 | RETAINING WALLS - PLAN AND PROFILE - NB02-A |
| 940 | RETAINING WALLS - TYPICAL SECTIONS - NB02-A |


STATE OF TEXAS
KURT W. AUNGST
90848
LICENSED
PROFESSIONAL ENGINEER

* THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

KURT W. AUNGST, P.E. , P.E. 8/30/12 DATE

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

** THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

M. N. MOZAFFAR, P.E. , P.E. 8/30/12 DATE

KCI KENNEDY CONSULTING
TBPE REGISTRATION NO. F-926

ISE I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## INDEX OF SHEETS

SHEET 1 OF 5

| DESIGN | FED. RD. DIV. NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| KCI | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| KCI | TEXAS | FTW | TARRANT | 177 |
| CHECK | CONTROL | SECTION | JOB | |
| KCI | 0014 | 16 | 255, ETC. | |

FILENAME: S3BINDEX21.dgn

DRAWING DATE: 8/30/2012

## VOLUME III (CONT'D)

### IV. RETAINING WALL DETAILS

| SHEET NO. | DESCRIPTION |
|---|---|
| 941-943 | RETAINING WALLS - PLAN AND PROFILE - NB02-L |
| 944 | RETAINING WALLS - TYPICAL SECTIONS - NB02-L |
| 945-947 | RETAINING WALLS - PLAN AND PROFILE - NB02-R |
| 948 | RETAINING WALLS - TYPICAL SECTIONS - NB02-R |
| 949 | RETAINING WALLS - PLAN AND PROFILE - NB03-A |
| 950 | RETAINING WALLS - TYPICAL SECTIONS - NB03-A |
| 951 | RETAINING WALLS - PLAN AND PROFILE - NB03-L |
| 952 | RETAINING WALLS - TYPICAL SECTIONS - NB03-L |
| 953-956 | RETAINING WALLS - PLAN AND PROFILE - NB03-R |
| 957 | RETAINING WALLS - TYPICAL SECTIONS - NB03-R |
| 958-959 | RETAINING WALLS - PLAN AND PROFILE - NB04 |
| 960 | RETAINING WALLS - TYPICAL SECTIONS - NB04 |
| 961-962 | RETAINING WALL - STRUCTURAL LAYOUT - NB04 |
| 963 | RETAINING WALLS - PLAN AND PROFILE - NB05-A |
| 964 | RETAINING WALLS - TYPICAL SECTIONS - NB05-A |
| 965-967 | RETAINING WALLS - PLAN AND PROFILE - NB05-L |
| 968 | RETAINING WALLS - TYPICAL SECTIONS - NB05-L |
| 969-971 | RETAINING WALLS - PLAN AND PROFILE - NB05-R |
| 972 | RETAINING WALLS - TYPICAL SECTIONS - NB05-R |
| 973 | RETAINING WALLS - PLAN AND PROFILE - NB06-A |
| 974 | RETAINING WALLS - TYPICAL SECTIONS - NB06-A |
| 975-978 | RETAINING WALLS - PLAN AND PROFILE - NB06-L |
| 979 | RETAINING WALLS - TYPICAL SECTIONS - NB06-L |
| 980-983 | RETAINING WALLS - PLAN AND PROFILE - NB06-R |
| 984 | RETAINING WALLS - TYPICAL SECTIONS - NB06-R |
| 985 | RETAINING WALLS - PLAN AND PROFILE - NB07-A2 |
| 986 | RETAINING WALLS - TYPICAL SECTIONS - NB07-A2 |
| 987-988 | RETAINING WALLS - PLAN AND PROFILE - NB07-L |
| 989 | RETAINING WALLS - TYPICAL SECTIONS - NB07-L |
| 990 | RETAINING WALLS - PLAN AND PROFILE - NB08-A |
| 991 | RETAINING WALLS - TYPICAL SECTIONS - NB08-A |
| 992-995 | RETAINING WALLS - PLAN AND PROFILE - NB08-L |
| 996 | RETAINING WALLS - TYPICAL SECTIONS - NB08-L |
| 997-999 | RETAINING WALLS - PLAN AND PROFILE - NB09 |
| 1000 | RETAINING WALLS - TYPICAL SECTIONS - NB09 |
| 1001-1004 | RETAINING WALLS - PLAN AND PROFILE - NB10 |
| 1005 | RETAINING WALLS - TYPICAL SECTIONS - NB10 |
| 1006 | RETAINING WALLS - PLAN AND PROFILE - SB01-A |
| 1007 | RETAINING WALLS - TYPICAL SECTIONS - SB01-A |
| 1008-1010 | RETAINING WALLS - PLAN AND PROFILE - SB01-L |
| 1011 | RETAINING WALLS - TYPICAL SECTIONS - SB01-L |
| 1012-1014 | RETAINING WALLS - PLAN AND PROFILE - SB01-R |
| 1015 | RETAINING WALLS - TYPICAL SECTIONS - SB01-R |
| 1016 | RETAINING WALLS - PLAN AND PROFILE - SB02-A |
| 1017 | RETAINING WALLS - TYPICAL SECTIONS - SB02-A |
| 1018-1020 | RETAINING WALLS - PLAN AND PROFILE - SB02-L |
| 1021 | RETAINING WALLS - TYPICAL SECTIONS - SB02-L |
| 1022 | RETAINING WALLS - PLAN AND PROFILE - SB02-R |
| 1023 | RETAINING WALLS - TYPICAL SECTIONS - SB02-R |
| 1024-1027 | RETAINING WALLS - PLAN AND PROFILE - SB03 |
| 1028 | RETAINING WALLS - TYPICAL SECTIONS - SB03 |
| 1029-1032 | RETAINING WALL - STRUCTURAL LAYOUT - SB03 |
| 1033 | RETAINING WALLS - PLAN AND PROFILE - SB04-A |
| 1034 | RETAINING WALLS - TYPICAL SECTIONS - SB04-A |
| 1035-1037 | RETAINING WALLS - PLAN AND PROFILE - SB04-L |
| 1038 | RETAINING WALLS - TYPICAL SECTIONS - SB04-L |
| 1039-1042 | RETAINING WALLS - PLAN AND PROFILE - SB04-R |
| 1043 | RETAINING WALLS - TYPICAL SECTIONS - SB04-R |
| 1044 | RETAINING WALLS - PLAN AND PROFILE - SB05-A |
| 1045 | RETAINING WALLS - TYPICAL SECTIONS - SB05-A |
| 1046-1048 | RETAINING WALLS - PLAN AND PROFILE - SB05-L |
| 1049 | RETAINING WALLS - TYPICAL SECTIONS - SB05-L |
| 1050-1052 | RETAINING WALLS - PLAN AND PROFILE - SB05-R |
| 1053 | RETAINING WALLS - TYPICAL SECTIONS - SB05-R |
| 1054 | RETAINING WALLS - PLAN AND PROFILE - SB06-A2 |
| 1055 | RETAINING WALLS - TYPICAL SECTIONS - SB06-A2 |
| 1056-1057 | RETAINING WALLS - PLAN AND PROFILE - SB06-R |
| 1058 | RETAINING WALLS - TYPICAL SECTIONS - SB06-R |
| 1059 | RETAINING WALLS - PLAN AND PROFILE - SB07-A |
| 1060 | RETAINING WALLS - TYPICAL SECTIONS - SB07-A |
| 1061-1064 | RETAINING WALLS - PLAN AND PROFILE - SB07-R |
| 1065 | RETAINING WALLS - TYPICAL SECTIONS - SB07-R |
| 1066-1068 | RETAINING WALLS - PLAN AND PROFILE - SB08 |
| 1069 | RETAINING WALLS - TYPICAL SECTIONS - SB08 |
| 1070 | RETAINING WALLS - PLAN AND PROFILE - SB09 |
| 1071 | RETAINING WALLS - TYPICAL SECTIONS - SB09 |
| 1072-1073 | RETAINING WALLS - MISCELLANEOUS DETAILS |
| 1073A | RETAINING WALLS - WALL FINISH DETAILS |

## VOLUME III (CONT'D)

### IV. RETAINING WALL DETAILS

| SHEET NO. | DESCRIPTION |
|---|---|
| 1073B | RETAINING WALLS - UNDERDRAIN DETAILS |
| 1074-1076 | RETAINING WALLS - GEOTECHNICAL RECOMMENDATIONS |
| 1077-1080 | RETAINING WALLS - SOIL NAIL DETAILS |
| 1081-1085 | RETAINING WALLS - DRILLED SHAFT DETAILS |
| 1086-1087 | RETAINING WALLS - MISCELLANEOUS STRUCTURAL DETAILS |
| 1088-1101 | BORING PLAN |
| 1102-1124, 1124A-1124Q | BORING LOGS |

#### STANDARDS

| | |
|---|---|
| 1125 | *RW(EM) |
| 1126 | *RW(BTR) |
| 1127 | *RW(MSE)(MOD) |
| 1128 | *RW(TRF) |
| 1129 | *RW 1(L)C (MOD) |
| 1130 | *RW2 |

## VOLUME IV

### V. DRAINAGE DETAILS

| SHEET NO. | DESCRIPTION |
|---|---|
| 1131 | TITLE SHEET |
| 1132-1136 | INDEX OF SHEETS |
| 1137 | OVERALL DRAINAGE AREA MAP - BIG FOSSIL CREEK, STREAM BFC-2, STREAM BFC-2A, TRIBUTARY TO STREAM BFC-2A |
| 1138 | DRAINAGE AREA MAP CULVERT STA. 1547+54.76 AND STA. 1561+34.47 |
| 1139-1140 | HYDRAULIC DATA SHEET - TRIB TO STREAM BFC-2A |
| 1141-1144 | HYDRAULIC DATA SHEET - STREAM BFC-2 |
| 1145-1152 | HYDRAULIC DATA SHEET - BIG FOSSIL CREEK |
| 1153 | HYDRAULIC DATA SHEET - CULVERT 3 |
| 1154 | HYDRAULIC DATA SHEET - CULVERT 4 |
| 1155 | CULVERT 1 LAYOUT - TRIB TO STREAM BFC-2A |
| 1156-1159 | CULVERT 2 LAYOUT - STREAM BFC-2 |
| 1160 | CULVERT 3 LAYOUT - 35W ML STA. 1547+54.36 |
| 1161-1162 | CULVERT 4 LAYOUT - 35W ML STA. 1561+34.47 |
| 1163 | CULVERT 5 LAYOUT - 35W ML STA. 1602+26.16 |
| 1164 | HORIZONTAL ALIGNMENT DATA - DRAINAGE CHANNELS |
| 1165-1166 | CULVERT 1 CHANNEL LAYOUT - TRIB TO STREAM BFC-2A |
| 1167-1170 | CULVERT 2 CHANNEL LAYOUT - STREAM BFC-2 |
| 1171-1173 | DETENTION POND LAYOUT & DETAILS |
| 1174-1175 | CULVERT 3 - TEMPORARY SPECIAL SHORING |
| 1176-1185 | INTERIOR DRAINAGE AREA MAP |
| 1186-1188 | DRAINAGE COMPUTATIONS - RUNOFF COMPUTATIONS |
| 1189-1191 | DRAINAGE COMPUTATIONS - ON-GRADE INLET COMPUTATIONS |
| 1192-1195 | DRAINAGE COMPUTATIONS - SAG INLET COMPUTATIONS |
| 1196-1204 | DRAINAGE COMPUTATIONS - CONVEYANCE COMPUTATIONS |
| 1205-1232 | DRAINAGE PLAN & PROFILE - IH 35W MANAGED LANES |
| 1233-1248 | DRAINAGE PLAN & PROFILE - IH 35W GENERAL PURPOSE LANES |
| 1249-1256 | DRAINAGE PLAN & PROFILE - NBFR |
| 1257-1265 | DRAINAGE PLAN & PROFILE - SBFR |
| 1266-1267 | DRAINAGE PLAN & PROFILE - 35S-287W DIRECT CONNECTOR |
| 1268-1269 | DRAINAGE PLAN & PROFILE - US 287 |
| 1270 | DRAINAGE PLAN & PROFILE - WESTERN CENTER BLVD |
| 1271-1282 | DRAINAGE PROFILES - LATERALS |
| 1283 | DRAINAGE DETAILS - MISCELLANEOUS DRAINAGE DETAILS |
| 1284-1285 | MECHANICALLY STABILIZED EARTH WALL PIPE BACKFILL DIAGRAM |

#### STANDARDS

| | |
|---|---|
| 1286 | **SCC-MD |
| 1287 | **SCC-7 |
| 1288 | **SCP-MD |
| 1289 | **SCP-7 |
| 1290 | **SCP-8 |
| 1291 | **MC-MD |
| 1292 | **MC-6-16 |
| 1293 | **BCS |
| 1294 | **PW |
| 1295 | **CH-PW-S (SPL) |
| 1296 | **CI(1)-02(FW) |
| 1297 | **DI-1-02 (FW) |
| 1298-1299 | **GI-1-02 (FW) |
| 1300 | **MH-1-02 (FW) |
| 1301 | **MH-M |
| 1302 | **SET (1) (FW) |
| 1303 | **SET (2) (FW) |
| 1304 | **SETP-PD |

## VOLUME IV (CONT'D)

#### STANDARDS

| SHEET NO. | DESCRIPTION |
|---|---|
| 1306-1307 | **BD-3 (MOD) |
| 1308 | **BD-1 (MOD) |
| 1309 | **CH-PW-O |
| 1310 | **CH-PW-S |
| 1311 | **SCP-3 |
| 1312 | **SCP-4 |
| 1313 | **JB-1-02 (FW) |
| 1314-1315 | **IL-H-L |
| 1315A-1315B | **SETB-CD |
| 1315C-1315D. | **SETB-PD |

### VI. UTILITIES

| SHEET NO. | DESCRIPTION |
|---|---|
| 1316-1338 | EXISTING UTILITY LAYOUTS |
| 1339 | WATER GENERAL NOTES |
| 1340 | WASTEWATER GENERAL NOTES |
| 1341 | PROJECT SPECIFIC NOTES |
| 1342 | WASTEWATER BYPASS PUMPING PLAN |
| 1343 | SHUTDOWN AND SEQUENCING NOTES |
| 1344-1345 | EXISTING WATER LINE AND ISOLATION VALVE LOCATION MAP |
| 1346 | EXISTING WASTEWATER LINE LOCATION MAP |
| 1347 | PROPOSED WATER LINE LOCATION MAP |
| 1348 | PROPOSED WASTEWATER LINE LOCATION MAP |
| 1349 | CONTROL POINT LOCATIONS FOR PROPOSED WATER AND WASTEWATER LINES |
| 1350 | EXISTING WATER LINES TO BE ABANDONED |
| 1351 | EXISTING WASTEWATER LINES TO BE ABANDONED |
| 1352-1353 | OVERALL LOCATION MAP SHOWING PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS AND PERMITS |
| 1354-1356 | PROPOSED WATER LINE A |
| 1357-1358 | PROPOSED WATER LINE B |
| 1359 | PROPOSED WATER LINE C |
| 1360-1362 | PROPOSED WASTEWATER LINE A |
| 1363 | PROPOSED WASTEWATER LINE B |
| 1364-1372 | WATER LINE DETAILS |
| 1373-1379 | WASTEWATER LINE DETAILS |
| 1380 | PAVEMENT DETAILS |

STATE OF TEXAS
KURT W. AUNGST
90848
LICENSED
PROFESSIONAL ENGINEER

* THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

KW A, P.E. 8/22/12
KURT W. AUNGST, P.E. DATE

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

** THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

M. N. M, P.E. 8/22/2012
M. N. MOZAFFAR, P.E. DATE

KENNEDY CONSULTING
TBPE REGISTRATION NO. F-926

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## INDEX OF SHEETS

SHEET 2 OF 5

| DESIGN KCI | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS KCI | 6 | (SEE TITLE SHEET) | | IH 35W |
| CHECK KCI | STATE | DISTRICT | COUNTY | SHEET NO. |
| | TEXAS | FTW | TARRANT | 178 |
| CHECK KCI | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

| SHEET NO. | DESCRIPTION |
|---|---|

## VOLUME IV (CONT'D)

### VI. UTILITIES


| | |
|---|---|
| 1381-1382 | TRAFFIC CONTROL PLANS PHASE 1 |
| 1383-1384 | TRAFFIC CONTROL PLANS PHASE 2 |
| 1385-1388 | TRAFFIC CONTROL PLANS PHASE 3 |
| 1389 | TRAFFIC CONTROL PLANS SANITARY SEWER PHASE 1 |
| 1390-1391 | EROSION CONTROL |
| 1392 | EROSION CONTROL DETAILS |


## VOLUME V

### VII. BRIDGES


| | |
|---|---|
| 1393 | TITLE SHEET |
| 1394-1398 | INDEX OF SHEETS |
| 1399-1401 | BRIDGE LAYOUT - NB IH 35W TO WB US 287 |
| 1402 | FOUNDATION LAYOUT |
| 1403 | EST. QUANTITIES AND BEARING SEAT ELEV. |
| 1404-1405 | ABUTMENT NO. 1 |
| 1406-1407 | ABUTMENT NO. 6 |
| 1408-1410 | INTERIOR BENT NO. 2 & 5 |
| 1411-1412 | INTERIOR BENT NO. 3 |
| 1413-1414 | INTERIOR BENT NO. 4 |
| 1415 | COLUMN DETAILS TYPE A |
| 1416 | COLUMN DETAILS TYPE B |
| 1417 | FOOTING DETAILS TYPE A |
| 1418 | FOOTING DETAILS TYPE B |
| 1419 | GIRDER LAYOUT (SPAN 1) |
| 1420-1421 | 120.00' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1422-1427 | 493.00' CONTINUOUS PLATE GIRDER UNIT |
| 1428 | GIRDER LAYOUT (SPAN 5) |
| 1429-1430 | 112.00' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1431-1434 | BRIDGE LAYOUT - NB IH 35W ML TO WB US 287 |
| 1435-1436 | FOUNDATION LAYOUT |
| 1437 | EST. QUANTITIES AND BEARING SEAT ELEV. |
| 1438-1439 | ABUTMENT NO. 1 |
| 1440-1441 | ABUTMENT NO. 9 |
| 1442-1445 | INTERIOR BENT NO. 2, 7 AND 8 |
| 1446-1448 | INTERIOR BENT NO. 3 & 6 |
| 1449-1450 | INTERIOR BENT NO. 4 |
| 1451-1453 | INTERIOR BENT NO. 5 |
| 1454 | COLUMN DETAILS TYPE A |
| 1455 | COLUMN DETAILS TYPE B |
| 1456 | COLUMN DETAILS TYPE C |
| 1457 | COLUMN DETAILS TYPE D |
| 1458 | FOOTING DETAILS TYPE A |
| 1459 | FOOTING DETAILS TYPE B |
| 1460 | FOOTING DETAILS TYPE C |
| 1461 | FOOTING DETAILS TYPE D |
| 1462 | GIRDER LAYOUT (SPANS 1 - 2) |
| 1463-1464 | 236.00' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1465-1470 | 440.00' CONTINUOUS PLATE GIRDER UNIT |
| 1471-1476 | 172.00' PLATE GIRDER UNIT |
| 1477 | GIRDER LAYOUT (SPANS 6 - 8) |
| 1478-1479 | 381.00' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1480-1482 | BRIDGE LAYOUT - EB US 287 TO SB IH 35W ML |
| 1483 | FOUNDATION LAYOUT |
| 1484 | EST. QUANTITIES AND BEARING SEAT ELEV. |
| 1485-1486 | ABUTMENT NO. 1 |
| 1487-1488 | ABUTMENT NO. 8 |
| 1489-1490 | INTERIOR BENT NO. 2 & 3 |
| 1491-1493 | INTERIOR BENT NO. 4 |
| 1494-1495 | INTERIOR BENT NO. 5 |
| 1496-1497 | INTERIOR BENT NO. 6 |
| 1498-1499 | INTERIOR BENT NO. 7 |
| 1500 | COLUMN DETAILS - TYPE A |
| 1501 | COLUMN DETAILS - TYPE B |
| 1502 | COLUMN DETAILS - TYPE C |
| 1503 | COLUMN DETAILS - TYPE D |
| 1504 | FOOTING DETAILS - TYPE A |
| 1505 | FOOTING DETAILS - TYPE B |
| 1506 | FOOTING DETAILS - TYPE C |
| 1507 | FOOTING DETAILS - TYPE D |
| 1508-1510 | BRIDGE DRAIN DETAILS |
| 1511 | GIRDER LAYOUT (SPANS 1 - 3) |
| 1512-1513 | 390.00' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1514-1520 | 220.00' CONTINUOUS PLATE GIRDER UNIT |
| 1521 | GIRDER LAYOUT (SPANS 5 - 7) |
| 1522-1523 | 305.00' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1524 | BRIDGE LAYOUT - BASSWOOD BLVD NS TURNAROUND - IH 35W UNDERPASS |


| SHEET NO. | DESCRIPTION |
|---|---|

## VOLUME V (CONT'D)

### VII. BRIDGES


| | |
|---|---|
| 1525 | ESTIMATED QUANTITIES AND BEARING SEAT ELEV. |
| 1526 | FOUNDATION LAYOUT |
| 1527-1528 | ABUTMENT NO. 1 |
| 1529-1530 | ABUTMENT NO. 5 |
| 1531 | INTERIOR BENT NO. 2 |
| 1532 | INTERIOR BENT NO. 3 |
| 1533 | INTERIOR BENT NO. 4 |
| 1534 | GIRDER LAYOUT (SPANS 1 & 2) |
| 1535-1536 | 201.00' PRESTRESSED CONCRETE I-GIRDER UNIT (SPANS 1 & 2) |
| 1537 | GIRDER LAYOUT (SPANS 3 & 4) |
| 1538-1539 | 201.00' PRESTRESSED CONCRETE I-GIRDER UNIT (SPANS 3 & 4) |
| 1540 | APPROACH SLAB DETAILS |
| 1541 | BRIDGE END DETAILS |
| 1542 | BRIDGE LAYOUT - BASSWOOD BLVD SN TURNAROUND - IH 35W UNDERPASS |
| 1543 | ESTIMATED QUANTITIES AND BEARING SEAT ELEV. |
| 1544 | FOUNDATION LAYOUT |
| 1545-1546 | ABUTMENT NO. 1 |
| 1547-1548 | ABUTMENT NO. 5 |
| 1549 | INTERIOR BENT NO. 2 |
| 1550 | INTERIOR BENT NO. 3 |
| 1551 | INTERIOR BENT NO. 4 |
| 1552 | GIRDER LAYOUT (SPANS 1 & 2) |
| 1553-1554 | 201.00' PRESTRESSED CONCRETE I-GIRDER UNIT (SPANS 1 & 2) |
| 1555 | GIRDER LAYOUT (SPANS 3 & 4) |
| 1556-1557 | 201.00' PRESTRESSED CONCRETE I-GIRDER UNIT (SPANS 3 & 4) |
| 1558 | APPROACH SLAB DETAILS |
| 1559 | BRIDGE END DETAILS |
| 1560-1562 | BRIDGE LAYOUT - SB IH35W ENTRANCE RAMP TO MANAGED LANES |
| 1563 | EST. QUANTITIES AND BEARING SEAT ELEV. |
| 1564 | FOUNDATION LAYOUT |
| 1565 | FOOTING DETAILS - BENTS 2, 3, 7 & 8 |
| 1566 | FOOTING DETAILS - BENTS 4 & 6 |
| 1567 | FOOTING DETAILS - BENT 5 |
| 1568 | ABUTMENT NO. 1 |
| 1569 | ABUTMENT NO. 9 |
| 1570-1571 | INTERIOR BENT NO. 2 |
| 1572-1573 | INTERIOR BENT NO. 3 |
| 1574-1575 | INTERIOR BENT NO. 4 |
| 1576-1580 | INTERIOR BENT NO. 5 |
| 1581-1582 | INTERIOR BENT NO. 6 |
| 1583-1584 | INTERIOR BENT NO. 7 |
| 1585-1586 | INTERIOR BENT NO. 8 |
| 1587-1588 | GIRDER LAYOUT |
| 1589-1594 | 353.00' PLATE GIRDER UNIT |
| 1595-1596 | 348.00' PRESTR. CONCRETE I-GIRDER UNIT |
| 1597-1598 | 354.00' PRESTR. CONCRETE I-GIRDER UNIT |
| 1599 | BRIDGE DRAIN DETAILS |
| 1600-1603 | BRIDGE LAYOUT - NB IH35W EXIT RAMP FROM MANAGED LANES |
| 1604 | EST. QUANTITIES AND BEARING SEAT ELEV. |
| 1605-1606 | FOUNDATION LAYOUT |
| 1607 | FOOTING DETAILS - BENTS 2-4, 9-10 |
| 1608 | FOOTING DETAILS - BENTS 5, 6 & 8 |
| 1609 | FOOTING DETAILS - BENT 7 |
| 1610 | ABUTMENT NO. 1 |
| 1611 | ABUTMENT NO. 11 |
| 1612-1613 | INTERIOR BENTS NO. 2 - 4 |
| 1614-1615 | INTERIOR BENT NO. 5 |
| 1616-1617 | INTERIOR BENT NO. 6 |
| 1618-1622 | INTERIOR BENT NO. 7 |
| 1623-1624 | INTERIOR BENT NO. 8 |
| 1625-1626 | INTERIOR BENT NO. 9 |
| 1627-1628 | INTERIOR BENT NO. 10 |
| 1629-1630 | GIRDER LAYOUT |
| 1631-1637 | 564.00' PLATE GIRDER UNIT |
| 1638-1639 | 472.00' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1640-1641 | 354.00' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1642-1644 | BRIDGE DRAIN DETAILS |
| 1645 | AS-BUILT BRIDGE LAYOUT - RAMP D OVER RAMP C |
| 1646 | ESTIMATED QUANTITIES |
| 1647 | AS-BUILT ABUTMENT |
| 1648 | AS-BUILT BRIDGE LAYOUT - RAMP A OVER RAMP B |
| 1649 | ESTIMATED QUANTITIES |
| 1650 | AS-BUILT ABUTMENT |
| 1651 | BRIDGE LAYOUT - NB FRONTAGE RD - OVER BIG FOSSIL CK |
| 1652 | PHASING DETAILS |
| 1653 | FOUNDATION LAYOUT |
| 1654 | EST. QUANTITIES AND BEARING SEAT ELEV. |
| 1655-1656 | ABUTMENT NO. 1 |
| 1657-1658 | ABUTMENT NO. 4 |


STATE OF TEXAS
KURT W. AUNGST
90848
LICENSED
PROFESSIONAL ENGINEER

* THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

KURT W. AUNGST, P.E. , P.E. 7/13/12 DATE

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

** THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

M. N. MOZAFFAR, P.E. , P.E. 7/13/12 DATE

KENNEDY CONSULTING
TBPE REGISTRATION NO. F-926

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## INDEX OF SHEETS

SHEET 3 OF 5

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| KCI | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS KCI | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK KCI | TEXAS | FTW | TARRANT | 179 |
| CHECK KCI | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BINDEX23.dgn

DRAWING DATE: 7/13/2012

| SHEET NO. | DESCRIPTION |
|---|---|

## VOLUME V (CONT'D)

### VII. BRIDGES

| | |
|---|---|
| 1659-1660 | INTERIOR BENT NO. 2 & 3 |
| 1661 | GIRDER LAYOUT (SPANS 1 - 3) |
| 1662-1663 | 209.50' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1664 | BRIDGE LAYOUT - SB FRONTAGE RD - OVER BIG FOSSIL CK |
| 1665 | PHASING DETAILS |
| 1666 | FOUNDATION LAYOUT |
| 1667 | EST. QUANTITIES AND BEARING SEAT ELEV. |
| 1668-1669 | ABUTMENT NO. 1 |
| 1670-1671 | ABUTMENT NO. 4 |
| 1672-1673 | INTERIOR BENT NO. 2 |
| 1674-1675 | INTERIOR BENT NO. 3 |
| 1676 | GIRDER LAYOUT (SPANS 1 - 3) |
| 1677-1678 | 211.50' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1679 | BRIDGE LAYOUT - NB IH 35W - OVER BIG FOSSIL CK |
| 1680-1681 | PHASING DETAILS |
| 1682-1683 | AS-BUILT - BRIDGE LAYOUT - BIG FOSSIL CREEK BRIDGE - NORTHBOUND |
| 1684 | FOUNDATION LAYOUT |
| 1685 | EST. QUANTITIES AND BEARING SEAT ELEV. |
| 1686-1688 | ABUTMENT NO. 1 |
| 1689-1691 | ABUTMENT NO. 4 |
| 1692-1694 | INTERIOR BENT NO. 2 AND 3 |
| 1695 | GIRDER LAYOUT SPANS 1 - 3 |
| 1696-1698 | 213.15' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1699-1700 | APPROACH SLAB DETAILS |
| 1701 | BRIDGE LAYOUT - SB IH 35W - OVER BIG FOSSIL CK |
| 1702-1703 | PHASING DETAILS |
| 1704-1705 | AS-BUILT - BRIDGE LAYOUT - BIG FOSSIL CREEK BRIDGE - SOUTHBOUND |
| 1706 | FOUNDATION LAYOUT |
| 1707 | EST. QUANTITIES AND BEARING SEAT ELEV. |
| 1708-1709 | ABUTMENT NO. 1 |
| 1710-1711 | ABUTMENT NO. 4 |
| 1712 | INTERIOR BENT NO. 2 |
| 1713 | INTERIOR BENT NO. 3 |
| 1714 | GIRDER LAYOUT (SPANS 1 - 3) |
| 1715-1716 | 213.15' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1717-1718 | APPROACH SLAB DETAILS |
| 1719 | BRIDGE LAYOUT - SB IH35W ENTR RAMP TO GP - OVER BIG FOSSIL CREEK |
| 1720 | BRIDGE TYPICAL SECTION |
| 1721 | EST. QUANTITIES AND BEARING SEAT ELEV. |
| 1722 | FOUNDATION LAYOUT |
| 1723 | ABUTMENT NO. 1 |
| 1724 | ABUTMENT NO. 4 |
| 1725 | MISCELLANEOUS ABUTMENT DETAILS |
| 1726 | INTERIOR BENTS NO. 2 & 3 |
| 1727 | GIRDER LAYOUT (SPANS 1 - 3) |
| 1728-1729 | 218.65' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1730 | BRIDGE LAYOUT - NB IH35W EXIT RAMP FROM GP - OVER BIG FOSSIL CREEK |
| 1731 | BRIDGE TYPICAL SECTION |
| 1732 | EST. QUANTITIES AND BEARING SEAT ELEV. |
| 1733 | FOUNDATION LAYOUT |
| 1734 | ABUTMENT NO. 1 |
| 1735 | ABUTMENT NO. 4 |
| 1736 | MISCELLANEOUS ABUTMENT DETAILS |
| 1737 | INTERIOR BENTS NO. 2 & 3 |
| 1738 | GIRDER LAYOUT (SPANS 1 - 3) |
| 1739-1740 | 246.90' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1741 | BRIDGE LAYOUT - NB IH 35W GP, ML AND EX R - OVER WESTERN CENTER BLVD |
| 1742 | PHASING DETAILS |
| 1743 | AS-BUILT BRIDGE LAYOUT |
| 1744 | AS-BUILT BRIDGE LAYOUT TYP SECTION |
| 1745 | FOUNDATION LAYOUT |
| 1746-1747 | ABUTMENT 1 DETAILS |
| 1748-1749 | ABUTMENT 4 DETAILS |
| 1750 | INTERIOR BENT NO. 2 |
| 1751 | INTERIOR BENT NO. 3 |
| 1752 | GIRDER LAYOUT |
| 1753-1754 | 267.30' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1755-1756 | ABUTMENT 1 DETAILS |
| 1757-1758 | ABUTMENT 4 DETAILS |
| 1759 | INTERIOR BENT NO. 2 |
| 1760 | INTERIOR BENT NO. 3 |
| 1761 | GIRDER LAYOUT |
| 1762-1763 | 267.30' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1764 | BRIDGE LAYOUT - SB IH 35W GP, ML AND ENT R - OVER WESTERN CENTER BLVD |
| 1765 | PHASING DETAILS |
| 1766 | AS-BUILT BRIDGE LAYOUT |
| 1767 | AS-BUILT BRIDGE LAYOUT TYP SECTION |
| 1768 | FOUNDATION LAYOUT |
| 1769-1770 | ABUTMENT 1 DETAILS |
| 1771-1772 | ABUTMENT 4 DETAILS |

| SHEET NO. | DESCRIPTION |
|---|---|

## VOLUME V (CONT'D)

### VII. BRIDGES

| | |
|---|---|
| 1773 | INTERIOR BENT NO. 2 |
| 1774 | INTERIOR BENT NO. 3 |
| 1775 | GIRDER LAYOUT |
| 1776-1777 | 267.30' PRESTRESSED CONCRETE I-GIRDER UNIT |
| 1778 | ESTIMATED QUANTITIES |

### STANDARDS

| | |
|---|---|
| 1779 | **BAS-A |
| 1780 | **BAS-C |
| 1781-1782 | **BMCS |
| 1783-1784 | **BRSM |
| 1785-1786 | **BRSM (MOD) |
| 1787 | **BS-EJCP |
| 1788-1790 | **C221 |
| 1791-1794 | **C402 (MOD) |
| 1795 | **CRR |
| 1796 | **BAT-CTFB-08(FW) |
| 1797 | **CSB(3)-10 |
| 1798-1799 | **FD |
| 1800-1801 | **IGD |
| 1802-1804 | **IGEB |
| 1805-1807 | **IGEB (MOD) |
| 1808 | **IGMS |
| 1809-1814 | **IGND |
| 1815 | **IGTS |
| 1816 | **MEBR(C) |
| 1817 | **MEBR(S) |
| 1818-1821 | **PCP |
| 1822 | **PCP-FAB |
| 1823-1824 | **PMDF |
| 1825 | **SBMS |
| 1826 | **SBTS |
| 1827-1828 | **SEJ-A |
| 1829-1831 | **SGEB |
| 1832-1834 | **SGMD |
| 1835-1836 | **SSCB(2)-10 |
| 1837-1838 | **SSTR |
| 1839-1841 | **T401 |

## VOLUME VI

### VIII. TRAFFIC ITEMS

| | |
|---|---|
| 1842 | TITLE SHEET |
| 1843-1847 | INDEX OF SHEETS |
| 1848 | TRAFFIC SIGNAL PLANS - EXISTING CONDITIONS LAYOUT - SBFR AT BASSWOOD BLVD |
| 1849 | TRAFFIC SIGNAL PLANS - PROPOSED INTERSECTION LAYOUT |
| 1850 | TRAFFIC SIGNAL PLANS - SUMMARY CHARTS |
| 1851 | TRAFFIC SIGNAL PLANS - TERMINATION & PHASING |
| 1852 | TRAFFIC SIGNAL PLANS - SIGNS LAYOUT |
| 1853 | EXISTING CONDITIONS TRAFFIC SIGNAL LAYOUT - NBFR AT BASSWOOD BLVD |
| 1854 | TRAFFIC SIGNAL PLANS - PROPOSED INTERSECTION LAYOUT |
| 1855 | TRAFFIC SIGNAL PLANS - SUMMARY CHARTS |
| 1856 | TRAFFIC SIGNAL PLANS - TERMINATION & PHASING |
| 1857 | TRAFFIC SIGNAL PLANS - SIGNS LAYOUT |
| 1858 | EXISTING CONDITIONS TRAFFIC SIGNAL LAYOUT - SBFR AT WESTERN CENTER BLVD |
| 1859 | TRAFFIC SIGNAL PLANS - TEMPORARY INTERSECTION LAYOUT |
| 1860 | TRAFFIC SIGNAL PLANS - TEMP SIGNAL SUMMARY CHARTS |
| 1861 | TRAFFIC SIGNAL PLANS - TEMP SIGNAL TERMINATION & PHASING |
| 1862 | TRAFFIC SIGNAL PLANS - TEMP SIGNAL SIGN LAYOUT |
| 1863 | TRAFFIC SIGNAL PLANS - PROPOSED INTERSECTION LAYOUT |
| 1864 | TRAFFIC SIGNAL PLANS - SUMMARY CHARTS |
| 1865 | TRAFFIC SIGNAL PLANS - TERMINATION & PHASING |
| 1866 | TRAFFIC SIGNAL PLANS - SIGNS LAYOUT |
| 1867 | TRAFFIC SIGNAL PLANS - EXISTING CONDITIONS LAYOUT - NBFR AT WESTERN CENTER BLVD |
| 1868 | TRAFFIC SIGNAL PLANS - TEMPORARY INTERSECTION LAYOUT |
| 1869 | TRAFFIC SIGNAL PLANS - TEMP SIGNAL SUMMARY CHARTS |
| 1870 | TRAFFIC SIGNAL PLANS - TEMP SIGNAL TERMINATION & PHASING |
| 1871 | TRAFFIC SIGNAL PLANS - TEMP SIGNAL SIGNS LAYOUT |
| 1872 | TRAFFIC SIGNAL PLANS - PROPOSED INTERSECTION LAYOUT |
| 1873 | TRAFFIC SIGNAL PLANS - SUMMARY CHARTS |

| SHEET NO. | DESCRIPTION |
|---|---|

## VOLUME VI (CONT'D)

### VIII. TRAFFIC ITEMS

| | |
|---|---|
| 1874 | TRAFFIC SIGNAL PLANS - TERMINATION & PHASING |
| 1875 | TRAFFIC SIGNAL PLANS - SIGNS LAYOUT |
| 1876 | CITY OF FORT WORTH - FIGURE 4 MOVEMENT DIAGRAM |
| 1877 | TRAFFIC SIGNAL DETAILS - SIGNAL HEADS AND PED POLE DETAILS |

### STANDARDS

| | |
|---|---|
| 1878-1879 | **SMA-80(1)-12 AND SMA-80(2)-12 |
| 1880 | **LUM-A-12 |
| 1881 | **CFA-12 |
| 1882-1883 | **MA-C-12 AND MA-D-12 |
| 1884 | **MA-DPD-12 |
| 1885 | **TS-FD-12 |
| 1886-1887 | **VDZ(1)-05(FTW) AND VDZ(2)-05(FTW) |
| 1888 | **AS-GNBOX |
| 1889-1890 | **TEMPORARY SIGNAL TYPICAL DETAIL SHEET |
| 1891 | **TYPE 170 CABINET INSTALLATION DETAILS |
| 1892-1915 | ILLUMINATION PLAN |
| 1916 | LUMINAIRE SUMMARY |
| 1917 | UNDERPASS CONDUIT SUMMARY |
| 1918-1919 | CONDUIT SUMMARY |
| 1920 | GROUND BOX SUMMARY |
| 1921 | ELECTRICAL SERVICE SUMMARY |

### STANDARDS

| | |
|---|---|
| 1922-1926 | **ED(1)-03 THRU ED(5)-03 |
| 1927 | **ED(6)-03(FTW) |
| 1928-1929 | **ED(7)-03 AND ED(8)-03 |
| 1930-1931 | **RID(LUM1)-07 AND RID(LUM2)-07 |
| 1932 | **RID(FND)-11 |
| 1933 | **RID(UP)-07 |
| 1934 | **RID(IF)-07 |
| 1935-1938 | **RIP(1)-11 THRU RIP(4)-11 |
| 1939-1947 | **HMID(1)-03 THRU HMID(9)-03 |
| 1948-1949 | **HMIP(1)-98 AND HMIP(2)-98 |
| 1950-1951 | **HMIF(1)-98 AND HMIF(2)-98 |

STATE OF TEXAS
KURT W. AUNGST
90848
LICENSED
PROFESSIONAL ENGINEER

* THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

KURT W. AUNGST, P.E. , P.E. 8/29/12 DATE

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

** THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

M. N. MOZAFFAR, P.E. , P.E. 8/29/12 DATE

KENNEDY CONSULTING
TBPE REGISTRATION NO. F-926

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## INDEX OF SHEETS

SHEET 4 OF 5

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| KCI | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS KCI | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK KCI | TEXAS | FTW | TARRANT | 180 |
| | CONTROL | SECTION | JOB | |
| CHECK KCI | 0014 | 16 | 255, ETC. | |

FILENAME: S3BINDEX24.dgn

DRAWING DATE: 8/28/2012

| SHEET NO. | DESCRIPTION |
|---|---|

## VOLUME VI (CONT'D)

### VIII. TRAFFIC ITEMS

| | |
|---|---|
| 1952-1973 | SIGN LAYOUTS |
| 1974-2017 | SIGN SUPPORT LAYOUTS |
| 2018-2028 | LARGE GUIDE SIGN DETAILS |
| 2029-2030 | SMALL SIGN DETAILS |
| 2031 | LARGE SIGNS SCHEDULE & QUANTITIES |

**STANDARDS**

| | |
|---|---|
| 2032 | *WV&IZ-96 |
| 2033-2034 | *OSB-Z4I |
| 2035-2036 | *HOSB-Z4I |
| 2037 | *OSBC |
| 2038-2039 | *OSBT |
| 2040 | *OSB-FD |
| 2041 | *OSB-FD-SC |
| 2042 | *HCOSS-Z1-10 |
| 2043 | *COSS AND OSB-SZ |
| 2044 | *COSS-Z3 AND Z3I-10 |
| 2045 | *COSS-Z4 AND Z4I-10 |
| 2046-2047 | *COSSD |
| 2048 | *COSSF |
| 2049 | *COSS-FD |
| 2050 | *SMD(GEN)-08 |
| 2051-2053 | *SMD(SLIP-1)-08 THRU SMD(SLIP-3)-08 |
| 2054 | *SMD(TWT)-08 |
| 2055 | *SMD(FRP)-08 |
| 2056 | *SMD(TY G)-08 |
| 2057-2060 | *SMD(2-1)-08 THRU SMD(2-4)-08 |
| 2061 | *SMD(2-6)-01 |
| 2062-2063 | *SMD(8W1)-08 AND SMD(8W2)-08 |
| 2064-2068 | *TSR(1)-08 THRU TSR(5)-08 |
| 2069-2092 | PAVEMENT MARKINGS & DELINEATION |

**STANDARDS**

| | |
|---|---|
| 2093 | *D&OM(1)-10 |
| 2094-2097 | *D&OM(2)-04 THRU D&OM(5)-04 |
| 2098 | *D&OM(VIA)-04 |
| 2099-2102 | *FPM(1)-12 THRU FPM(4)-12 |
| 2103-2106 | *PM(1)-12 THRU PM(4)-12 |
| 2107 | *BLPM-10 |
| 2108 | *WZ(DERD)-03 |
| 2109-2133 | ITS PLAN |
| 2134 | OMIT |
| 2135-2137 | ITS PLAN |
| 2138 | ITS DETAIL SHEET - CCTV COVERAGE MAP |
| 2139-2162, 2162A, 2163-2167, 2167A, 2168-2176 | ITS ELEVATION CROSS SECTIONS |
| 2177-2189 | ITS DETAIL SHEET |
| 2190 | TOLL LAYOUT - PROJECT SATELLITE BUILDING |
| 2190A | CLF-10 (MOD) |
| 2191-2194 | ITS DETAIL SHEET |
| 2195 | TOLL LAYOUT - RAMP 35EX-MLS |
| 2196-2198 | TOLLING DETAILS |
| 2199 | TOLL LAYOUT - DC 287E-MLS |
| 2200-2202 | TOLLING DETAILS |
| 2203 | TOLL LAYOUT - RAMP BB-MLS |
| 2204-2206 | TOLLING DETAILS |
| 2207 | TOLL LAYOUT - MAINLANE |
| 2208-2211 | TOLLING DETAILS |

### IX. EROSION CONTROL

| | |
|---|---|
| 2212-2213 | EPIC |
| 2214 | STORM WATER POLLUTION PREVENTION PLAN (SW3P) |
| 2215-2237 | EROSION CONTROL PLAN |

**STANDARDS**

| | |
|---|---|
| 2238-2240 | **EC(1)-09 THRU EC(3)-09 |

STATE OF TEXAS
KURT W. AUNGST
90848
LICENSED
PROFESSIONAL ENGINEER

* THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

KURT W. AUNGST, P.E. , P.E. 8/29/12 DATE

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

** THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

M. N. MOZAFFAR, P.E. , P.E. 8/29/12 DATE

KENNEDY CONSULTING
TBPE REGISTRATION NO. F-926

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## INDEX OF SHEETS

SHEET 5 OF 5

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| KCI | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| KCI | TEXAS | FTW | TARRANT | 181 |
| CHECK | CONTROL | SECTION | JOB | |
| KCI | 0014 | 16 | 255, ETC. | |

FILENAME: S3BINDEX25.dgn

DRAWING DATE: 8/28/2012

RESTRICTIONS AND ASSUMPTIONS

1. ALL PROPOSED RIGHT-OF-WAY PARCELS ARE RESTRICTED AND NOT AVAILABLE FOR CONSTRUCTION UNTIL RELEASED BY THE ENGINEER FOR CONSTRUCTION.
2. PHASE 1 WORK SHALL BE WITHIN EXISTING RIGHT-OF-WAY. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR ANY WORK OUTSIDE THE EXISTING ROW WHICH MAY BE AVAILABLE DURING PHASE 1 OF CONSTRUCTION.
3. ACCESS SHALL BE MAINTAINED TO ALL PROPERTY OWNERS AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
4. CONTRACTOR SHALL COORDINATE WORK WITH FRANCHISE UTILITY CONTRACTORS THAT WILL BE WORKING ON UTILITY RELOCATION THROUGHOUT THE PROJECT.
5. FOR ALLOWABLE LANE CLOSURE TIMES, PEAK AND OFF PEAK HOURS, NIGHT TIME AND WEEKEND CLOSURE TIMES, REFER TO GENERAL NOTES AND/OR SPECIAL SPECIFICATIONS.
6. TEMPORARY PAVEMENT FOR MAINLANES, FRONTAGE ROADS AND RAMPS SHALL BE 4.5" OF HMA TYPE B AND 4" OF FLEXIBLE BASE.
7. NO WORK SHALL BE PERFORMED ON WESTERN CENTER BOULEVARD AND ADJACENT FRONTAGE ROADS UNTIL ALL PUBLIC AND PRIVATE UTILITIES ARE RELOCATED OR AS DIRECTED BY THE ENGINEER.
8. ALL BRIDGE ELEMENT CONSTRUCTION, BEAM ERECTION, RAIL, ETC. SHALL BE DONE WITH ROADWAY CLOSURES UNDER THE AFFECTED AREA OR AS DIRECTED BY THE ENGINEER. ALL BEAM HANGING OPERATIONS SHALL BE DONE DURING NIGHT AND/OR WEEKENDS.
9. ALL EXISTING SIGNS ON OPEN ROADWAYS THAT ARE NOT IN CONFLICT WITH CONSTRUCTION AND TRAFFIC SHALL REMAIN IN PLACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
10. HIGH MAST ILLUMINATION SHALL BE CONSTRUCTED AND ACTIVATED AS SOON AS PRACTICAL, IF NOT IN CONFLICT WITH CONSTRUCTION STEPS. CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO DAMAGE ELECTRICAL CONDUITS AND WIRING THAT FEED HIGH MAST ILLUMINATION. ANY DAMAGE TO HIGH MAST ILLUMINATION DURING CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK.
11. CONTRACTOR SHALL ERECT ALL REQUIRED CONSTRUCTION AND TRAFFIC CONTROL SIGNS PRIOR TO DETOUR OF ANY TRAFFIC.
12. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED 14 DAYS IN ADVANCE OF RAMP CLOSURES, MAJOR DETOURS AND MAJOR SHIFTS IN TRAFFIC PATTERNS. PROVIDE AMPLE NOTIFICATION TO TRAVELLING PUBLIC. THE CONTRACTOR SHALL COORDINATE REQUIRED TEXT MESSAGES FOR EACH LOCATION WITH THE ENGINEER.
13. WHENEVER PRACTICAL, WEARING COURSE SHALL BE LAID AT FULL WIDTH (FROM OUTER EDGE OF SHOULDER TO OUTER EDGE OF SHOULDER) IN ONE PASS. IF MORE THAN ONE PAVER IS USED, THE PAVERS SHALL BE OPERATED AT THE SAME TIME WITHIN 150 FEET OF THE NEXT PAVER SO THAT A HOT JOINT IS OBTAINED BETWEEN THE LANES. SHOULD ONE PAVER BREAK DOWN OR PAVING IS NOT PERFORMED AS INDICATED FOR OTHER REASONS, WHERE A SURFACE COURSE IS PLACED AGAINST AN EXISTING LAYER, A JOINT SHALL BE PREPARED BY TRIMMING THE FULL DEPTH OF THE EXISTING WEARING COURSE FORMING A STRAIGHT VERTICAL SURFACE.
14. CONTRACTOR SHALL COORDINATE PLACEMENT OF FINAL STRIPING WITH THE ENGINEER. FINAL STRIPING SHALL BE PLACED ON THE FINAL SURFACE COURSE, WHEN APPROVED BY THE ENGINEER.
15. CONTRACTOR SHALL USE 8'X4' SIGN (DETAILS SHOWN IN STANDARD SHEET SHSD) USING THE MOUNTING DETAILS IN THE BC(5)-07(USING A 4"X6" WOOD POST WITH REQUIRED HOLES) FOR MOUNTING LARGE WORK ZONE SIGNS.
16. A TOTAL OF 19 CONSTRUCTION EXITS (TYPE 1) (20'X50') ARE ALLOWED. EXITS WILL BE LOCATED BY THE CONTRACTOR AND SUBMITTED FOR APPROVAL TO THE ENGINEER.
17. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR DRIVEWAY TIE-INS OR ANY WORK OUTSIDE THE ROW. A RIGHT-OF-ENTRY MAY BE REQUIRED FOR THESE CONDITIONS AND NO WORK SHALL PROCEED WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
18. EXISTING PORTABLE CTB'S NORTH OF STATION 1506+00 MAY BE USED FOR TRAFFIC CONTROL ON THIS PROJECT AS LONG AS THEY ARE NOT DAMAGED. THE CONTRACTOR SHALL DELIVER EXISTING PORTABLE CTB TO A LOCATION WITHIN THE FORT WORTH DISTRICT OF TXDOT AS DIRECTED BY THE ENGINEER.

PHASING

PHASE 1 STEP 1

TRAFFIC:

1. MAINTAIN EXISTING TRAFFIC PATTERNS FOR MAINLANES, DIRECT CONNECTORS, RAMPS AND FRONTAGE ROADS.
2. REDUCE DC 35N-287W TO ONE LANE TO CONSTRUCT TEMPORARY WIDENING ALONG US 287 WB.

CONSTRUCTION:

1. PERFORM ALL CONSTRUCTION WITHIN EXISTING ROW.
2. PERFORM DEMOLITION OF EXISTING PAVEMENT/CULVERT RELATED TO THE PROPOSED CONSTRUCTION.
3. CONSTRUCT PART OF PROPOSED PAVEMENT FOR IH 35W MANAGED LANES (ML) FROM STA 1529+00 TO 1538+00 INCLUDING INSIDE WIDENING OF IH 35W MAINLANE BRIDGES OVER BIG FOSSIL CREEK (BFC).
4. CONSTRUCT PARTIAL OR FULL WIDTH OF PROPOSED PAVEMENT FOR NB GENERAL PURPOSE (NGP) LANES FROM ML STA 1423+23 TO STA 1444+00, STA 1453+00 TO STA 1468+35 AND STA 1476+50 TO STA 1485+30.
5. CONSTRUCT PARTIAL OR FULL WIDTH OF PROPOSED PAVEMENT FOR SB GENERAL PURPOSE (SGP) LANES FROM STA 1418+41 TO STA 1433+90, STA 1435+95 TO STA 1442+95 AND RAMP WCB-35S STA 21+04 TO STA 1584+29.
6. CONSTRUCT DIRECT CONNECTORS (DC) AND RAMPS AS FOLLOWS:
   - DC 35S-287W FROM STA 15+30 TO STA 28+55
   - DC 35N-287W FROM STA 46+66 TO STA 50+27 AND STA 55+20 TO STA 87+24 (INCLUDES 2 SPANS 1,5 OF BRIDGE CONSTRUCTION)
   - DC 287E-MLS FROM STA 44+32 TO STA 56+60 (INCLUDES SPANS 1,2,3,4 OF BRIDGE CONSTRUCTION)
   - RAMP MLN-BB FROM BEGIN TO STA 25+46 (INCLUDES SPANS 1,2,3,4 OF BRIDGE CONSTRUCTION)
   - RAMP BB-MLS FROM BEGIN TO STA 27+33 (INCLUDES SPANS 1,2,3 OF BRIDGE CONSTRUCTION)
7. CONSTRUCT PROPOSED PAVEMENT FOR NB FRONTAGE ROAD (NBFR) FROM STA 1482+67 TO STA 1491+40 PROVIDING ACCESS TO ALL ADJACENT PROPERTIES.
8. CONSTRUCT PROPOSED PAVEMENT FOR SB FRONTAGE ROAD (SBFR) FROM STA 70+00 TO STA 87+00 PROVIDING ACCESS TO ALL ADJACENT PROPERTIES.
9. CONSTRUCT INSIDE AND OUTSIDE WIDENING FOR NBFR AND SBFR NORTH AND SOUTH OF BASSWOOD BLVD (BB) INTERSECTION.
10. CONSTRUCT BASSWOOD BLVD U-TURNS COMPLETELY INCLUDING BOTH U-TURN BRIDGES.
11. CONSTRUCT PART OF CULVERT 1 AT 35W NGP AND 35W SGP, CULVERT 2 AT 35W NGP AND DC 35N-287W, AND EXTENSION OF CULVERT 4 AT 35W SGP WITH PAVEMENT CONSTRUCTION LISTED ABOVE.
12. CONSTRUCT TEMPORARY AND PROPOSED DRAINAGE STRUCTURES AND RETAINING WALLS ADJACENT OR RELATED TO THE PROPOSED CONSTRUCTION IN THIS STEP.
13. CONSTRUCT TEMPORARY PAVEMENT FOR INSIDE WIDENING FOR RAMP 35W-NTP FROM STA 12+77 TO STA 17+29 TO SHIFT RAMP TRAFFIC IN NEXT STEP.
14. CONSTRUCT TEMPORARY TIE-IN PAVEMENT BETWEEN PROPOSED 35W NGP AND EXISTING 35W NB PAVEMENT FROM STA 1436+73 TO STA 1441+02 TO DETOUR RAMP 35N-NTP TRAFFIC IN PHASE 1 STEP 3.
15. CONSTRUCT TEMPORARY PAVEMENT IN THE MEDIAN OF IH 35W MAINLANES UNDER THE EXISTING DC 35N-287W BRIDGE FROM NGP STA 1441+38 TO STA 1449+50 FOR SB SIDE AND SGP STA 1439+72 TO STA 1448+55 FOR NB SIDE TO SHIFT MAINLANE TRAFFIC INSIDE IN THE NEXT STEP TO CONSTRUCT FOUNDATIONS AND COLUMNS FOR PROPOSED DC 35N-287W BRIDGE.
16. CONSTRUCT TEMPORARY PAVEMENT FOR DETOUR RAMP 35S-BB FROM SGP STA 1473+89 TO SGP STA 1481+37 IN BETWEEN EXISTING IH 35W SB AND EXISTING SBFR.
17. CONSTRUCT TEMPORARY PAVEMENT IN THE MEDIAN OF IH 35W MAINLANES FROM STA 1472+80 TO STA 1492+85 AND STA 1502+80 TO STA 1520+41 FOR SB SIDE AND FROM STA 1520+41 TO STA 1529+00 IN THE MEDIAN TO SHIFT TRAFFIC IN NEXT STEP.
18. CONSTRUCT TEMPORARY PAVEMENT FOR INSIDE WIDENING OF US 287 WB FROM STA 460+40 TO STA 485+00 AND AT THE GORE WITH DC 35S-287W TO SHIFT TRAFFIC IN NEXT STEP.
19. CONSTRUCT 16 OF PROPOSED 24 HIGH MAST ILLUMINATION POLES.
20. CONSTRUCT SIDEWALKS ADJACENT TO PROPOSED FRONTAGE ROAD PAVEMENT CONSTRUCTION AND ALONG EXISTING FRONTAGE ROADS IN BETWEEN BASSWOOD BLVD (BB) AND WESTERN CENTER BLVD (WCB).

PHASE 1 STEP 2

TRAFFIC:

1. SHIFT IH 35W MAINLANE TRAFFIC TO TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STEP.
2. SHIFT DC 35S-287W AND US 287 WB TRAFFIC TO TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STEP.
3. SHIFT RAMP 35N-NTP TRAFFIC TO THE TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STEP.
4. SHIFT RAMP 35S-BB TRAFFIC TO TEMPORARY DETOUR RAMP CONSTRUCTED IN PREVIOUS STEP.

CONSTRUCTION:

1. PERFORM ALL CONSTRUCTION WITHIN EXISTING ROW.
2. DEMO EXISTING PAVEMENT/CULVERT RELATED TO THE PROPOSED CONSTRUCTION.
3. CONSTRUCT PARTIAL WIDTH OF PROPOSED PAVEMENT FOR 35W SGP LANES FROM STA 1480+77 TO STA 1515+87.
4. CONSTRUCT PART OF US 287 WB PROPOSED PAVEMENT FROM STA 462+36 TO DC 35N-287W STA 38+06.
5. CONSTRUCT RAMPS AS FOLLOWS:
   - RAMP 35N-NTP FROM STA 12+81 TO STA 23+27 (SOME PARTIAL WIDTH CONSTRUCTION)
   - RAMP BB-MLS FROM STA 32+03 TO STA 40+47 (INCLUDING SPANS 7,8 OF BRIDGE CONSTRUCTION)
6. CONSTRUCT BENT 3,4 FOR DC 35N-287W BRIDGE.
7. CONSTRUCT PROPOSED DRAINAGE STRUCTURES AND RETAINING WALLS ADJACENT OR RELATED TO THE PROPOSED CONSTRUCTION IN THIS STEP.
8. CONSTRUCT TEMPORARY PAVEMENT FOR DC 35S-287W DETOUR FROM STATION 21+97 TO STA 26+83 TO SHIFT TRAFFIC IN NEXT STEP.

PHASE 1 STEP 2B

TRAFFIC:

1. MAINTAIN TRAFFIC PATTERN FROM PREVIOUS STEP.
2. CLOSE EXISTING RAMP 35S-WCB AND DETOUR TRAFFIC THROUGH RAMP 35S-BB DETOUR AND BASSWOOD BLVD INTERSECTION.

CONSTRUCTION:

1. CONSTRUCT PROPOSED PAVEMENT ON OUTSIDE OF 35W SGP LANES AND PART OF RAMP 35S-WCB FROM STA 1515+87 TO RAMP 35S-WCB STA 15+50.
2. CONSTRUCT RAMP 35S-WCB FROM STA 17+98 TO SBFR STA 129+49.
3. CONSTRUCT REMAINING AREA OF RAMP BB-MLS BRIDGE (SPANS 4,5,6).

PHASE 1 STEP 3

TRAFFIC:

1. SHIFT DC 35S-287W TRAFFIC TO TEMPORARY DETOUR CONSTRUCTED IN PREVIOUS STEP.
2. SHIFT RAMP 35N-NTP TRAFFIC TO TEMPORARY LOCATION USING PROPOSED 35W NGP PAVEMENT.
3. SHIFT RAMP 35S-WCB TRAFFIC TO TEMPORARY LOCATION USING PROPOSED 35W SGP PAVEMENT.
4. CLOSE EXISTING RAMP BB-35S AND DETOUR TRAFFIC USING PROPOSED RAMP BB-MLS.

CONSTRUCTION:

1. PERFORM ALL CONSTRUCTION WITHIN EXISTING ROW.
2. CONSTRUCT PARTIAL OR FULL WIDTH OF PROPOSED PAVEMENT FOR 35W SGP LANES FROM 1515+87 TO STA 1536+62 INCLUDING BRIDGE CONSTRUCTION FOR OUTSIDE WIDENING OF IH 35W SB MAINLANES OVER BFC.
3. CONSTRUCT PROPOSED PAVEMENT FOR DC 35N-287W FROM STA 36+03 TO STA 46+66.
4. CONSTRUCT RAMPS AS FOLLOWS:
   - INSIDE OF RAMP 35N-NTP FROM STA 12+81 TO STA 20+55
   - RAMP BB-SGP FROM STA 18+80 TO STA 27+10 INCLUDING COMPLETE BRIDGE CONSTRUCTION OVER BFC
5. CONSTRUCT PROPOSED DRAINAGE STRUCTURES AND RETAINING WALLS ADJACENT OR RELATED TO THE PROPOSED CONSTRUCTION IN THIS STEP.
6. CONSTRUCT TEMPORARY PAVEMENT FOR OUTSIDE WIDENING OF IH 35W NB FROM ML STA 1412+95 TO ML STA 1419+23 AND ML STA 1420+97 TO ML STA 1423+23 AT RAMP 35N-NTP GORE AREA.
7. CONSTRUCT TEMPORARY PAVEMENT FOR MEDIAN WIDENING OF WESTERN CENTER BLVD FROM STA 11+42 TO STA 13+22 AND STA 17+73 TO STA 19+90.

PHASE 2 STEP 1

TRAFFIC:

1. MAINTAIN TRAFFIC PATTERNS FROM PREVIOUS PHASE
2. MAINTAIN AT LEAST TWO LANES OF TRAFFIC ALONG FRONTAGE ROADS AND SIDE STREETS AT ALL TIMES.
3. TRAFFIC SHIFT ON WCB TO CONSTRUCT WATER/ WASTE WATER AND OTHER UTILITIES

CONSTRUCTION:

1. CONSTRUCTION BEGINS IN PROPOSED ROW.
2. UTILITY CONSTRUCTION FOR W / WW AND FRANCHISE UTILITIES.
3. CONSTRUCT PARTIAL WIDTH OF PROPOSED PAVEMENT FOR 35W SGP LANES FROM STA 1584+29 TO STA 1588+51.
4. CONSTRUCT RAMPS AS FOLLOWS:
   - RAMP BB-35N FROM STA 15+57 TO STA 26+94
   - RAMP BB-287W FROM STA 13+05 TO END
   - RAMP WCB-35S FROM STA 16+74 TO STA 21+04
5. CONSTRUCT PROPOSED NBFR (FULL WIDTH OR PARTIAL OUTSIDE PORTION) FROM STA 1472+00 TO STA 1482+67, STA 1531+89 TO NORTH END OF WCB AND STA 1542+81 TO NBFR TRANSITION STA 3597+46 PROVIDING MAINTAIN ACCESS TO ALL PROPERTIES AND AT LEAST TWO LANES OF TRAFFIC AT ALL TIMES.
6. CONSTRUCT PROPOSED SBFR (FULL WIDTH OR PARTIAL OUTSIDE PORTION) FROM STA 34+50 TO STA 70+00, STA 3126+53 TO STA 135+90 AND STA 139+11 TO STA 152+11 PROVIDING ACCESS TO ALL PROPERTIES AND MAINTAINING AT LEAST TWO LANES OF TRAFFIC AT ALL TIMES.
7. CONSTRUCT OUTSIDE OF WCB WB FROM STA 11+66 TO NBFR AND STA 14+00 TO STA 17+00.
8. DEMOLISH OUTSIDE PORTION OF EXISTING FRONTAGE ROAD BRIDGES.
9. CONSTRUCT OUTSIDE OF FRONTAGE ROAD BRIDGES BY MAINTAINING TWO LANES OF TRAFFIC ON THE INSIDE OF EXISTING BRIDGES.
10. CONSTRUCT REMAINDER OF CULVERT 2 AT RAMP BB-287W AND SBFR WITH PAVEMENT CONSTRUCTION.
11. CONSTRUCT TEMPORARY TIE-IN PAVEMENT BETWEEN PROPOSED RAMP WCB-35S AND PROPOSED SBFR PAVEMENT FROM STA 14+33 TO STA 21+04 TO SHIFT RAMP TRAFFIC IN NEXT PHASE.
12. CONSTRUCT TEMPORARY PAVEMENT FOR OUTSIDE WIDENING OF EXISTING IH 35W SB LANES FROM STA 1588+51 TO STA 1597+82.

PHASE 2 STEP 1B

TRAFFIC:

1. SHIFT WCB TRAFFIC SOUTH SIDE AT WCB / FRONTAGE ROAD INTERSECTIONS.

CONSTRUCTION:

1. CONSTRUCT OUTSIDE OF WCB WB PAVEMENT FROM STA 11+66 TO STA 13+68, STA 17+00 TO STA 17+30 AND STA 17+72 TO STA 19+00.

PHASE 2 STEP 1C

TRAFFIC:

1. SHIFT WCB TRAFFIC NORTH SIDE TO THE NEWLY CONSTRUCTED PAVEMENT.

CONSTRUCTION:

1. CONSTRUCT OUTSIDE OF WCB EB FROM STA 12+05 TO STA 13+59, STA 13+93 TO STA 17+20 AND STA 17+63 TO STA 19+00.

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
8/29/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE NARRATIVE**

SCALE: NTS

SHEET 1 OF 3

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 182 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCNA_01.dgn

DRAWING DATE: 8/27/2012

PHASE 2 STEP 2

TRAFFIC:

1. CLOSE EXISTING RAMP BB-35N. DETOUR TRAFFIC USING PROPOSED RAMP BB-35N AND PROPOSED 35W NGP PAVEMENT.
2. CLOSE EXISTING RAMP WCB-35S AND DETOUR TRAFFIC USING 35W SGP PAVEMENT.
3. SHIFT FRONTAGE ROAD TRAFFIC TO THE PROPOSED PAVEMENT FROM NORTH OF BFC BRIDGE TO SOUTH END.
4. CLOSE WCB THROUGH TRAFFIC AT IH 35W AND DETOUR TRAFFIC VIA BASSWOOD BLVD AND MEACHAM BLVD U-TURNS.

CONSTRUCTION:

1. CONSTRUCT PART OF PROPOSED PAVEMENT FOR 35W NGP LANES FROM STA 1476+50 TO ML STA 1489+00 AND STA 1569+78 TO STA 1577+16.
2. CONSTRUCT RAMP 35N-WCB FROM BEGIN TO END.
3. CONSTRUCT PARTIAL WIDTH OF PROPOSED PAVEMENT FOR NBFR FROM STA 1491+40 TO STA 1495+85, STA 1531+89 TO STA 1534+25, STA 1545+71 TO STA 1548+49, STA 1554+68 TO 1591+16 AND NBFR TRANSITION STA 3595+52 TO STA 3597+46.
4. CONSTRUCT PARTIAL WIDTH OF PROPOSED PAVEMENT FOR SBFR FROM STA 138+08 TO STA 148+99.
5. CONSTRUCT SBFR TRANSITION PAVEMENT WITH US 287 FRONTAGE ROAD FROM STA 30+60 TO STA 34+50 IN STEPS BY MAINTAINING AT LEAST ONE LANE OF TRAFFIC AT ALL TIMES.
6. CONSTRUCT WCB / FRONTAGE ROAD INTERSECTIONS WITH HIGH EARLY STRENGTH (HES) CONCRETE PAVEMENT FROM STA 13+59 TO STA 14+09 AND STA 17+14 TO STA 17+63 BY OVERNIGHT / WEEK END OPERATION.
7. CONSTRUCT TEMPORARY PAVEMENT FOR RAMP 35N-WCB DETOUR FROM STA 29+25 TO STA 32+81. CONSTRUCT THE BASE FOR PROPOSED PAVEMENT UNDER THE TEMPORARY PAVEMENT.
8. CONSTRUCT DRAINAGE STRUCTURES AND RETAINING WALLS ADJACENT AND RELATED TO THE PROPOSED CONSTRUCTION IN THIS STEP.

PHASE 2 STEP 2B

TRAFFIC:

1. MAINTAIN TRAFFIC PATTERN FROM PREVIOUS STEP.
2. CLOSE FRONTAGE ROADS AT THE INTERSECTION OF WCB. DETOUR TRAFFIC THROUGH WCB MEDIAN OPENING.

CONSTRUCTION:

1. CONSTRUCT WCB/FRONTAGE ROAD INTERSECTIONS WITH HES CONCRETE PAVEMENT FROM STA 13+23 TO STA 13+59 AND STA 17+63 TO STA 18+03 BY OVERNIGHT / WEEK END OPERATION.

PHASE 2 STEP 3

TRAFFIC:

1. SHIFT RAMP 35N-WCB TRAFFIC TO THE PROPOSED LOCATION THROUGH THE TEMPORARY DETOUR CONSTRUCTED IN PREVIOUS STEP.
2. SHIFT SBFR TRAFFIC TO THE PROPOSED LOCATION BETWEEN US 287 AND BASSWOOD BLVD.
3. OPEN WCB AND FRONTAGE ROAD INTERSECTIONS FOR ALL DIRECTIONAL TRAFFIC.

CONSTRUCTION:

1. CONSTRUCT PART OF PROPOSED PAVEMENT FOR IH 35W ML FROM STA 1538+00 TO 1542+37 INCLUDING INSIDE WIDENING OF IH 35W MAINLANE BRIDGES OVER WCB.
2. CONSTRUCT PARTIAL OR FULL WIDTH OF PROPOSED PAVEMENT FOR 35W NGP LANES FROM STA 1538+13 TO STA 1569+78 AND STA 1577+16 TO STA 1598+00 INCLUDING BRIDGE CONSTRUCTION OF WIDENING OF IH 35W SB MAINLANES.
3. CONSTRUCT PARTIAL OR FULL WIDTH OF PROPOSED PAVEMENT FOR 35W SGP LANES FROM STA 1455+67 TO STA 1477+64.
4. CONSTRUCT OUTSIDE BRIDGE WIDENING FOR IH 35W SB MAINLANES FROM RAMP BB-35S STA 30+43 TO STA 33+16.
5. CONSTRUCT DIRECT CONNECTORS AND RAMPS AS FOLLOWS:
   - REMAINING PORTION OF DC 35N-287W BRIDGE FROM STA 50+27 TO STA 55+20 (SPANS 2,3,4). BEAM HANGING OPERATION TO BE PERFORMED DURING WEEKENDS AND/OR NIGHT CLOSURES.
   - RAMP 35S-BB FROM BEGIN TO STA 21+41
   - RAMP 35N-BB FROM STA 31+28 TO 35W SGP STA 1538+13
6. CONSTRUCT REMAINING INSIDE PAVEMENT FOR NBFR FROM RAMP WCB-35N STA 27+10 TO STA 1540+62 AND WCB STA 13+53 TO STA 1554+68 INCLUDING REMAINING INSIDE OF PROPOSED NBFR BRIDGE OVER BFC.
7. CONSTRUCT REMAINING INSIDE PAVEMENT FOR SBFR FROM STA 129+50 TO STA 136+89 INCLUDING REMAINING INSIDE OF PROPOSED SBFR BRIDGE OVER BFC.
8. CONSTRUCT REMAINING INSIDE PAVEMENT OF WCB FROM STA 11+66 TO STA 13+23, STA 13+53 TO STA 17+14 AND STA 17+92 TO STA 19+00.
9. CONSTRUCT PROPOSED PAVEMENT FOR BOTH WCB U-TURNS.
10. CONSTRUCT PART OF CULVERT 2 AT 35W SGP LANES AND CULVERT 3 AT 35W NGP LANES WITH PAVEMENT CONSTRUCTION LISTED ABOVE.
11. CONSTRUCT TEMPORARY PAVEMENT FOR INSIDE WIDENING OF RAMP NTP-35S FROM STA 13+87 TO STA 20+49
12. CONSTRUCT TEMPORARY PAVEMENT FOR INSIDE WIDENING FOR DC 287E-35S FROM STA 47+83 TO STA 60+03.
13. CONSTRUCT TEMPORARY PAVEMENT TO TIE PROPOSED NBFR TO PROPOSED 35W NGP FROM NGP STA 1590+39 TO STA 1598+34 TO DETOUR DC 820W-35S TRAFFIC IN PHASE 5 AND 5B .
14. CONSTRUCT DRAINAGE STRUCTURES AND RETAINING WALLS ADJACENT AND RELATED TO THE PROPOSED CONSTRUCTION IN THIS STEP.

PHASE 2 STEP 3B

TRAFFIC:

1. MAINTAIN TRAFFIC PATTERNS FROM PREVIOUS STEP.
2. CLOSE RAMP NTP-35S. DETOUR TRAFFIC VIA US 287 AND HARMON ROAD INTERSECTION.

CONSTRUCTION:

1. CONSTRUCT 35W SGP LANES FROM ML STA 1412+50 TO STA 1419+61.

PHASE 3 STEP 1

TRAFFIC:

1. SHIFT IH 35W SB TRAFFIC TO INSIDE AT NTP AND WCB AREA.
2. SHIFT DC 35N-287W TRAFFIC TO THE PROPOSED FACILITY.
3. SHIFT DC 287E-35S TRAFFIC INSIDE ONTO THE TEMPORARY WIDENING.
4. SHIFT RAMP NTP-35S TRAFFIC TO THE INSIDE.
5. SHIFT BB-287W TRAFFIC THROUGH DC 35N-287W TO ITS FINAL CONFIGURATION.
6. OPEN WCB U-TURNS TO TRAFFIC.
7. DETOUR IH 35W TRAFFIC DURING EXISTING DC 35N-287W BRIDGE DEMOLITION.

CONSTRUCTION:

1. CONSTRUCT PARTIAL OR FULL WIDTH OF PROPOSED PAVEMENT FOR 35W SGP LANES FROM ML STA 1401+00 TO ML STA 1412+50, RAMP NTP-35S STA 16+88 TO ML STA 1418+00, STA 1442+95 TO STA 1450+00, STA 1536+63 TO STA 1538+10 AND RAMP BB-35S STA 33+12 TO STA 1574+77.
2. CONSTRUCT INSIDE PAVEMENT FOR US 287E FROM STA 468+00 TO STA 481+65 AND US 287W FROM STA 474+52 TO DC MLN-287W STA 49+33.

PHASE 3 STEP 1 (CONT'D)

3. CONSTRUCT DIRECT CONNECTORS AND RAMPS AS FOLLOWS:
   - DC MLN-287W BRIDGE (SPAN 1,2) FROM STA 49+33 TO STA 51+69
   - DC 287E-35S FROM STA 50+65 TO 35W SGP STA 1455+67
   - RAMP BB-MLS FROM STA 27+02 TO STA 30+55
   - RAMP WCB-35S FROM STA 11+98 TO 35W SGP STA 1559+10
4. CONSTRUCT PART OF CULVERT 3 AT 35W SGP LANES WITH PAVEMENT CONSTRUCTION LISTED ABOVE.
5. CONSTRUCT TEMPORARY PAVEMENT OUTSIDE OF RAMP NTP-35S AND 35W SGP LANES FROM STA 12+27 TO STA 20+86
6. CONSTRUCT TEMPORARY PAVEMENT FROM STA 1455+93 TO STA 1460+07 IN BETWEEN PROPOSED 35W SGP PAVEMENT AND EXISTING IH 35W SB PAVEMENT TO DETOUR DC 287E-35S TRAFFIC IN NEXT STEP.
7. CONSTRUCT SIDEWALK ALONG NBFR JUST NORTH AND SOUTH OF BFC BRIDGE.
8. CONSTRUCT DRAINAGE STRUCTURES AND RETAINING WALLS ADJACENT TO AND RELATED TO THE PROPOSED CONSTRUCTION IN THIS STEP.

PHASE 3 STEP 1B

TRAFFIC:

1. MAINTAIN TRAFFIC PATTERN FROM PREVIOUS STEP.
2. CLOSE RAMP NTP-35S. DETOUR TRAFFIC VIA US 287 AND HARMON RD INTERSECTION.

CONSTRUCTION:

1. CONSTRUCT 35W SGP LANES FROM ML STA 1412+50 TO STA 1419+61.

PHASE 3 STEP 2

TRAFFIC:

1. SHIFT DC 35S-287W TO THE PROPOSED PAVEMENT.
2. SHIFT DC 287E-35S TRAFFIC TO THE PROPOSED PAVEMENT AND THE TEMPORARY DETOUR CONSTRUCTED IN PREVIOUS STEP.
3. DETOUR RAMP NTP-35S TRAFFIC THROUGH DETOUR RAMP TO US 287W TO U-TURN AT US 287W AND HARMON RD.

CONSTRUCTION:

1. CONSTRUCT PARTIAL OR FULL WIDTH OF PROPOSED PAVEMENT FOR 35W SGP LANES FROM STA 1433+90 TO STA 1435+95, STA 1450+00 TO STA 1455+01, STA 1486+95 TO STA 1515+87 AND STA 1574+77 TO STA 1591+90.
2. CONSTRUCT INSIDE PAVEMENT OF DC 287E-35S FROM STA 50+65 TO STA 55+37.
3. CONSTRUCT TEMPORARY PAVEMENT IN BETWEEN EXISTING IH 35W SB AND 35W SGP LANES FROM STA 1437+37 TO STA 1441+52.
4. CONSTRUCT TEMPORARY PAVEMENT FOR INSIDE WIDENING FOR IH 35W NB LANES FROM NGP TRANSITION STA 4601+45 TO ML STA 1615+95.
5. CONSTRUCT TEMPORARY PAVEMENT FOR INSIDE WIDENING OF DC 820W-35N FROM ML STA 1610+61 TO ML STA 1613+74.
6. CONSTRUCT DRAINAGE STRUCTURES AND RETAINING WALLS ADJACENT OR RELATED TO THE PROPOSED CONSTRUCTION IN THIS STEP.

PHASE 3 STEP 2B

TRAFFIC:

1. MAINTAIN TRAFFIC PATTERNS FROM PREVIOUS STEP.
2. DETOUR RAMP NTP-35S TRAFFIC USING PROPOSED 35W SGP PAVEMENT.
3. CLOSE RAMP 35S-BB AND DETOUR TRAFFIC VIA RAMP 35S-WCB.

CONSTRUCTION:

1. OVERLAY 35W SGP LANES FROM ML STA 1401+00 TO STA 1408+00 DURING WEEKEND OR NIGHT TIME. MAINTAIN AT LEAST ONE LANE OF TRAFFIC AT ALL TIMES.
2. CONSTRUCT PARTIAL OR FULL WIDTH OF 35W SGP LANES FROM STA 1419+00 TO STA 1433+90 AND STA 1473+90 TO STA 1480+78.
2. CONSTRUCT RAMP NTP-35S FROM STA 10+00 TO STA 19+10.
5. CONSTRUCT INSIDE PAVEMENT FOR SBFR FROM STA 86+40 TO STA 89+54.
6. CONSTRUCT PARTIAL CULVERT 1 AT 35W SGP LANES.

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

Shafee Yusuf
8/29/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE NARRATIVE**

SCALE: NTS

SHEET 2 OF 3

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 183 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

PHASE 4 STEP 1

TRAFFIC:

1. SHIFT 35W SGP TRAFFIC TO THE PROPOSED PAVEMENT.
2. SHIFT 35W NB TRAFFIC TO THE OUTSIDE AT THE NORTH END OF THE PROJECT AND TO THE INSIDE AT THE MIDDLE OF THE PROJECT.
3. SHIFT DC 287E-35S TRAFFIC TO THE PROPOSED PAVEMENT.
4. SHIFT RAMP NTP-35S, RAMP 35S-BB AND RAMP BB-35S TO THE PROPOSED LOCATION.

CONSTRUCTION:

1. CONSTRUCT PARTIAL OR FULL WIDTH OF PROPOSED PAVEMENT FOR 35W NGP LANES FROM ML STA 1401+00 TO ML STA 1419+00, STA 1444+00 TO STA 1453+00, STA 1468+35 TO STA 1476+50, STA 1485+30 TO RAMP WCB-35N STA 15+95, STA 1541+93 TO STA 1556+47 AND OVERLAY FROM ML STA 1580+20 TO NGP TRANSITION STA 4609+04.
2. CONSTRUCT INSIDE PAVEMENT FOR 35W SGP LANES FROM ML STA 1407+99 TO ML STA 1414+15, STA 1467+05 TO STA 1475+87, STA 1480+00 TO STA 1486+95 AND STA 1583+87 TO STA 1591+90.
3. CONSTRUCT PROPOSED RAMP MLN-BB FROM STA 25+46 TO STA 40+11 INCLUDING BRIDGE CONSTRUCTION OF SPANS 5,6,7,8,9,10.
4. CONSTRUCT DRAINAGE STRUCTURES AND RETAINING WALLS ADJACENT OR RELATED TO THE PROPOSED CONSTRUCTION IN THIS STEP.
5. CONSTRUCT TEMPORARY PAVEMENT ON INSIDE OF 35W NGP FROM ML STA 1419+00 TO ML STA 1423+61.

PHASE 4 STEP 2

TRAFFIC:

1. SHIFT EXISTING RAMP 35N-BB TRAFFIC TO THE PROPOSED RAMP MLN-BB FACILITY.
2. DETOUR RAMP WCB-35N TRAFFIC THROUGH BASSWOOD BLVD INTERSECTION.
3. DETOUR RAMP 35N-WCB TRAFFIC THROUGH RAMP MLN-BB AND BASSWOOD BLVD U-TURN.

CONSTRUCTION:

1. CONSTRUCT REMAINDER OF PROPOSED PAVEMENT FOR 35W NGP LANES FROM ML STA 1419+00 TO ML STA 1434+29, ML STA 1515+11 TO STA 1539+06, STA 1569+78 TO STA 1580+20 AND STA 1594+74 TO NGP TRANSITION STA 4609+04 INCLUDING BRIDGE CONSTRUCTION OF IH 35W NB OUTSIDE WIDENING ON BFC.
2. CONSTRUCT RAMP WCB-35N FROM STA 15+95 TO STA 22+25.
3. CONSTRUCT RAMP 35N-BB FROM STA 21+13 TO STA 31+26 AND COMPLETE BRIDGE CONSTRUCTION OVER BFC.
4. CONSTRUCT RAMP 35S-820W STUB-OUT FROM STA 17+88 TO STA 19+78.

PHASE 5

TRAFFIC:

1. SHIFT 35W NB TRAFFIC TO THE PROPOSED NGP PAVEMENT.
2. SHIFT RAMP 35N-NTP AND RAMP BB-35N TRAFFIC TO THE PROPOSED CONFIGURATION.
3. SHIFT RAMP WCB-35N, RAMP 35N-BB AND RAMP 35N-WCB TO THE PROPOSED LOCATION.
4. DETOUR DC 820W-35N TRAFFIC THROUGH NBFR AND THE TEMPORARY RAMP TO 35W NGP LANES.

CONSTRUCTION:

1. CONSTRUCT PROPOSED PAVEMENT FOR MANAGED LANES FROM STA 1414+16 TO STA 1533+83 AND STA 1542+31 TO STA 1591+48.
2. OVERLAY 35W NGP LANES FROM STA 1401+00 TO STA 1419+00 AND NGP TRANSITION STA 4597+05 TO STA 4609+04.
3. CONSTRUCT DC MLN-287W FROM STA 51+69 TO ML STA 1461+29 INCLUDING BRIDGE CONSTRUCTION OF SPANS 3 TO 8.
4. CONSTRUCT DC 287E-MLS FROM STA 56+60 TO THE END INCLUDING BRIDGE CONSTRUCTION OF SPANS 5,6,7.
5. CONSTRUCT TEMPORARY PAVEMENT AT THE GORE AREA OF IH 35W NB AND DC 820E-35N FROM STA 1601+45 TO STA 1605+19.
6. CONSTRUCT REMAINDER OF CULVERT 1,2,3 AT 35W ML.
7. CONSTRUCT DRAINAGE STRUCTURES AND RETAINING WALLS ADJACENT TO OR RELATED TO THE PROPOSED CONSTRUCTION IN THIS STEP.

PHASE 5B

TRAFFIC

1. SHIFT IH 35W NB TRAFFIC TO THE OUTSIDE AT THE US 820 INTERCHANGE AREA.
2. SHIFT DC 820E-35N TRAFFIC OUTSIDE ONTO THE TEMPORARY PAVEMENT.

CONSTRUCTION

1. CONSTRUCT PROPOSED INSIDE PAVEMENT FOR 35W NGP LANES FROM STA 1580+20 TO STA 1594+74 AND OVERLAY FROM STA 1594+74 TO 1602+72.

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

8/29/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE NARRATIVE**

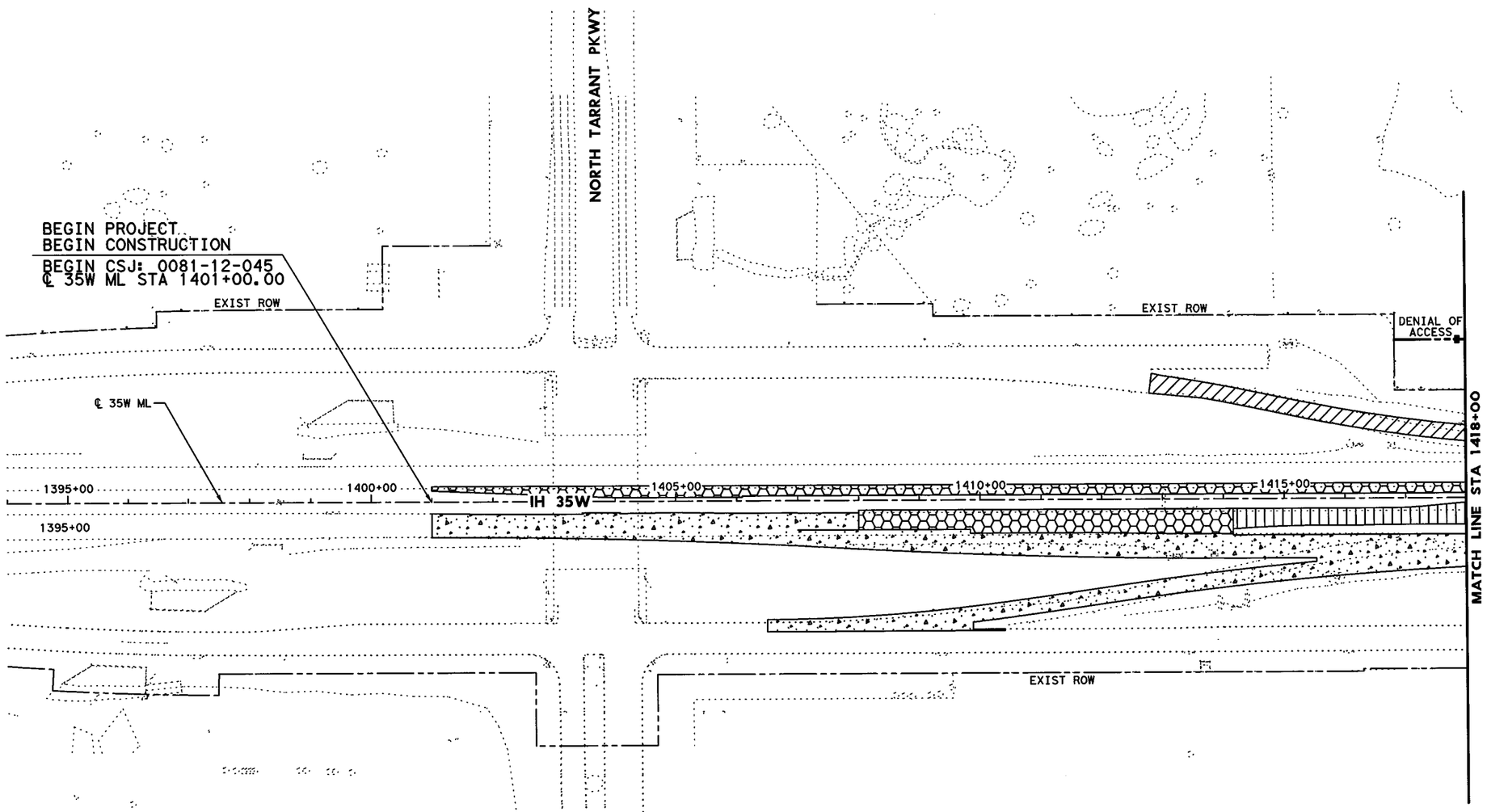
SCALE: NTS

SHEET 3 OF 3

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 183A |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCNA_03.dgn

DRAWING DATE: 8/27/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PHASE 1 CONSTRUCTION
- PHASE 2 CONSTRUCTION
- PHASE 3 CONSTRUCTION
- PHASE 4 CONSTRUCTION
- PHASE 5 CONSTRUCTION

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# OVERALL CONSTRUCTION SEQUENCE LAYOUT

## BEGIN PROJECT TO STA 1418+00

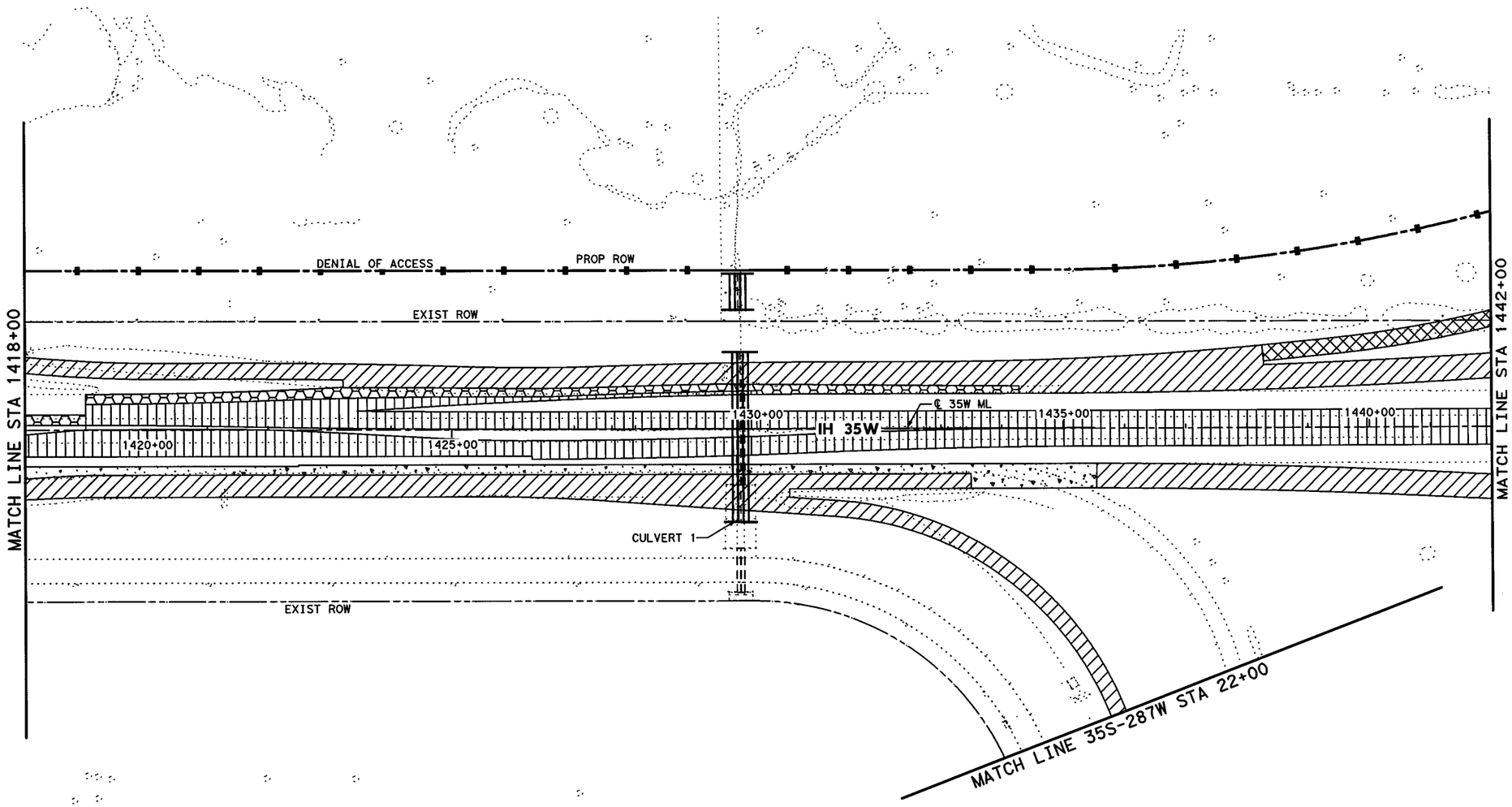
SCALE: 1" = 200'

SHEET 1 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 184 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCLOVR_01.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PHASE 1 CONSTRUCTION
- PHASE 2 CONSTRUCTION
- PHASE 3 CONSTRUCTION
- PHASE 4 CONSTRUCTION
- PHASE 5 CONSTRUCTION

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**OVERALL CONSTRUCTION SEQUENCE LAYOUT**

**STA 1418+00 TO STA 1442+00**

SCALE: 1" = 200'

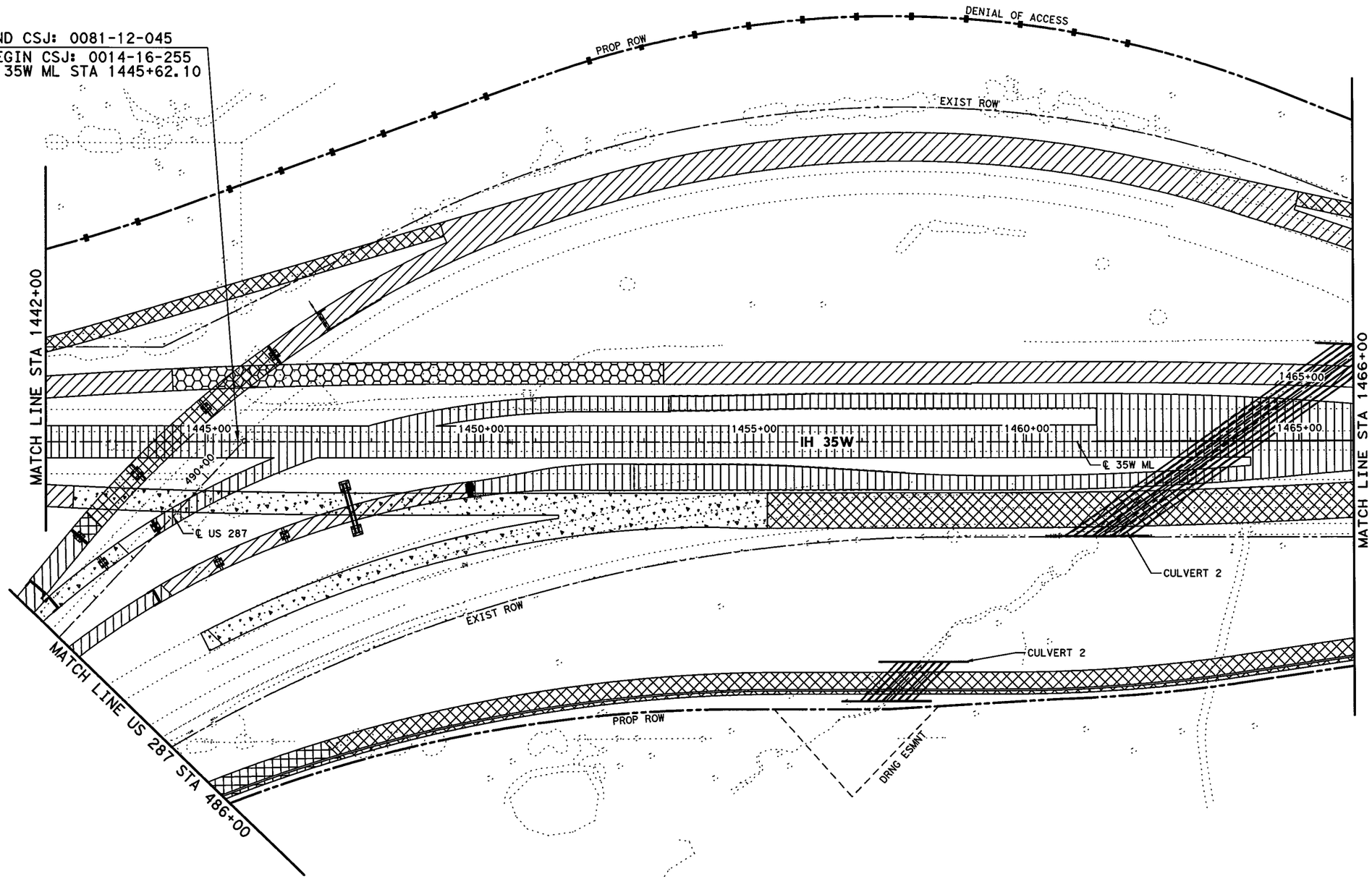
SHEET 2 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 185 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCLOVR_02.dgn

DRAWING DATE: 7/29/2012

END CSJ: 0081-12-045
BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




0' 50' 100' 200'
SCALE IN FEET

## LEGEND

- PHASE 1 CONSTRUCTION
- PHASE 2 CONSTRUCTION
- PHASE 3 CONSTRUCTION
- PHASE 4 CONSTRUCTION
- PHASE 5 CONSTRUCTION

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

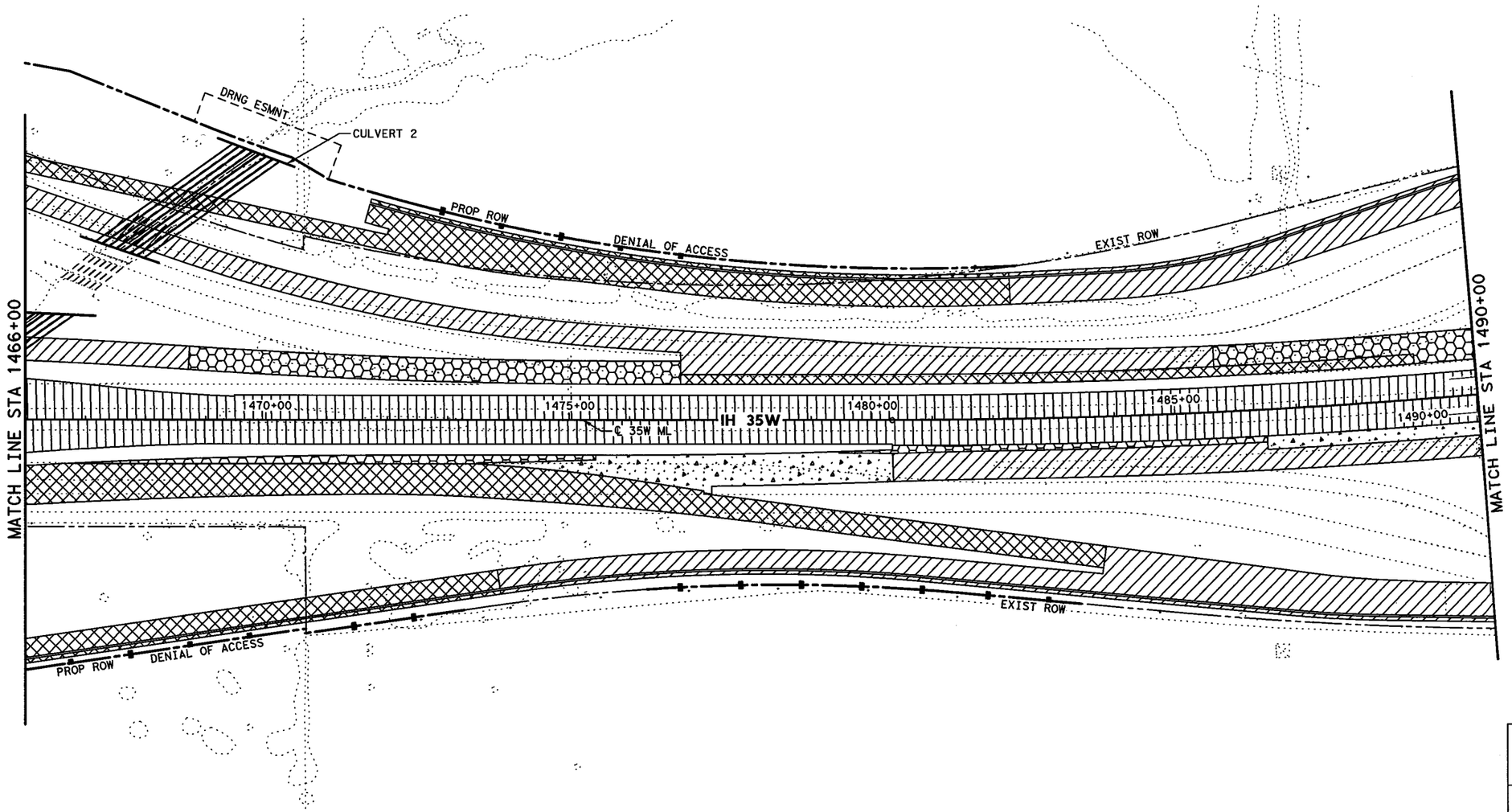
# OVERALL CONSTRUCTION SEQUENCE LAYOUT

## STA 1442+00 TO STA 1466+00

SCALE: 1" = 200'
SHEET 3 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 186 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCLOVR_03.dgn
DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PHASE 1 CONSTRUCTION
- PHASE 2 CONSTRUCTION
- PHASE 3 CONSTRUCTION
- PHASE 4 CONSTRUCTION
- PHASE 5 CONSTRUCTION

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# OVERALL CONSTRUCTION SEQUENCE LAYOUT

## STA 1466+00 TO STA 1490+00

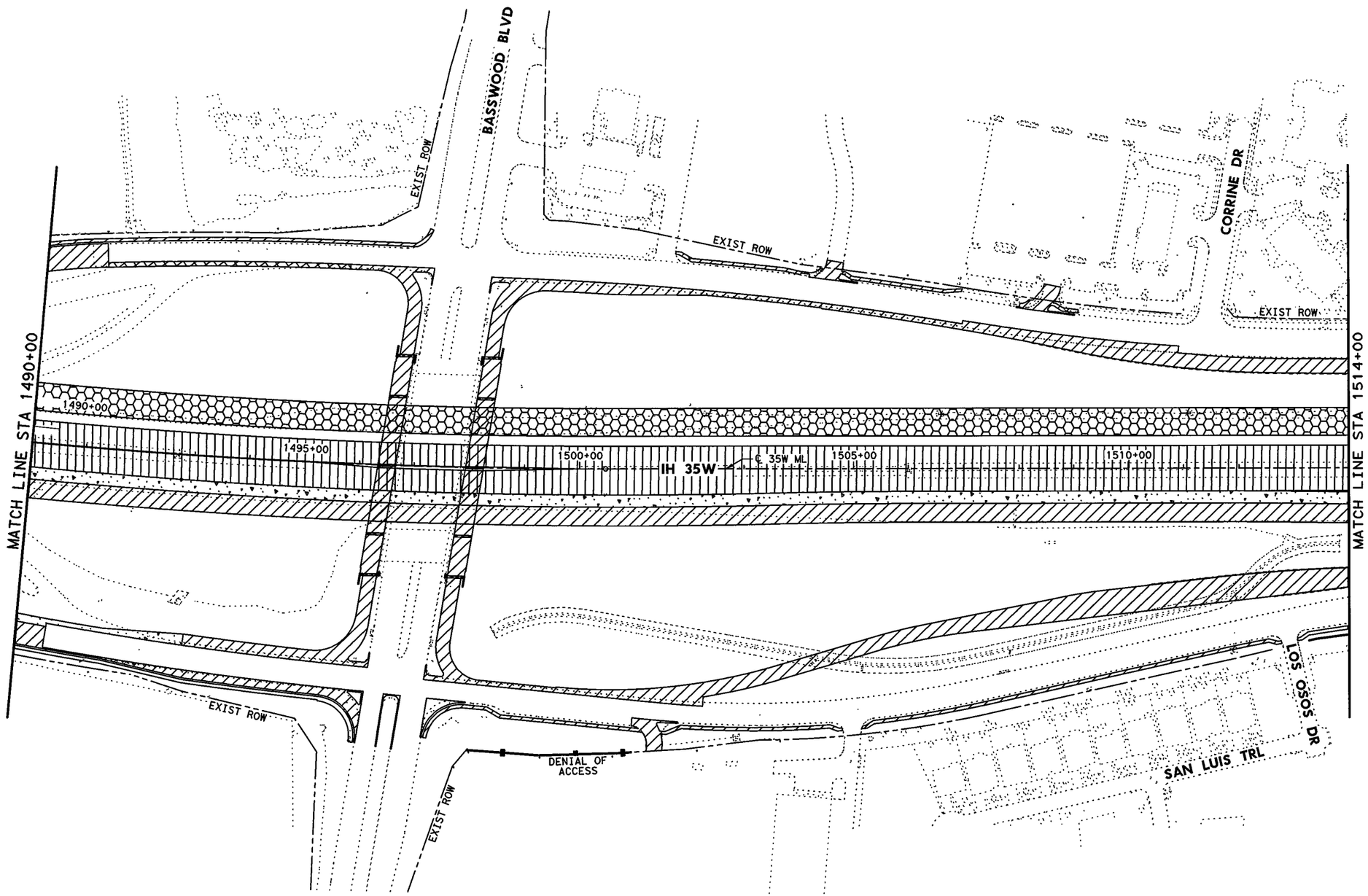
SCALE: 1" = 200'

SHEET 4 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 187 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCLOVR_04.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PHASE 1 CONSTRUCTION
- PHASE 2 CONSTRUCTION
- PHASE 3 CONSTRUCTION
- PHASE 4 CONSTRUCTION
- PHASE 5 CONSTRUCTION

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

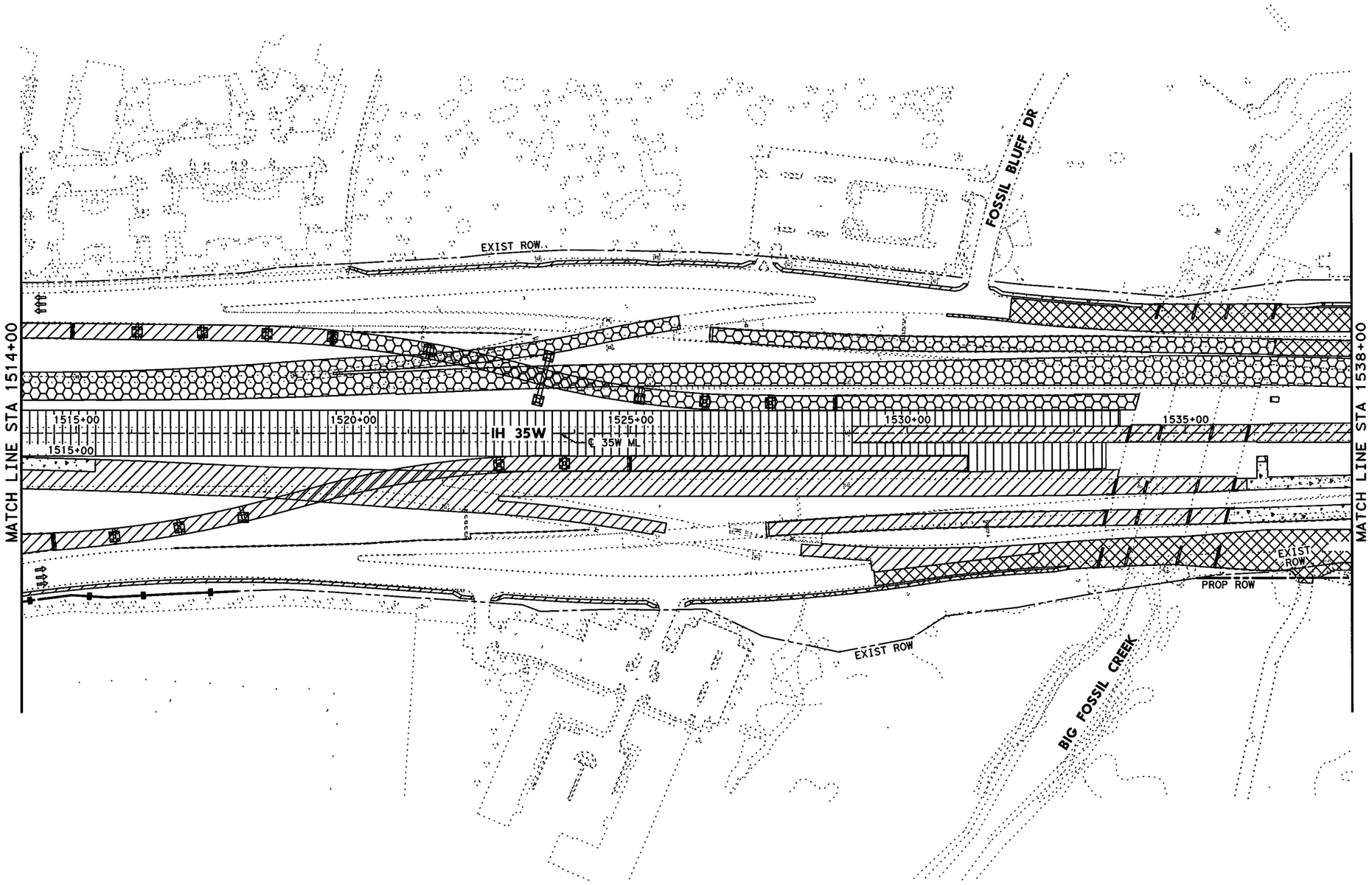
# OVERALL CONSTRUCTION SEQUENCE LAYOUT

## STA 1490+00 TO STA 1514+00

SCALE: 1" = 200' SHEET 5 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 188 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCLOVR_05.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PHASE 1 CONSTRUCTION
- PHASE 2 CONSTRUCTION
- PHASE 3 CONSTRUCTION
- PHASE 4 CONSTRUCTION
- PHASE 5 CONSTRUCTION

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## OVERALL CONSTRUCTION SEQUENCE LAYOUT

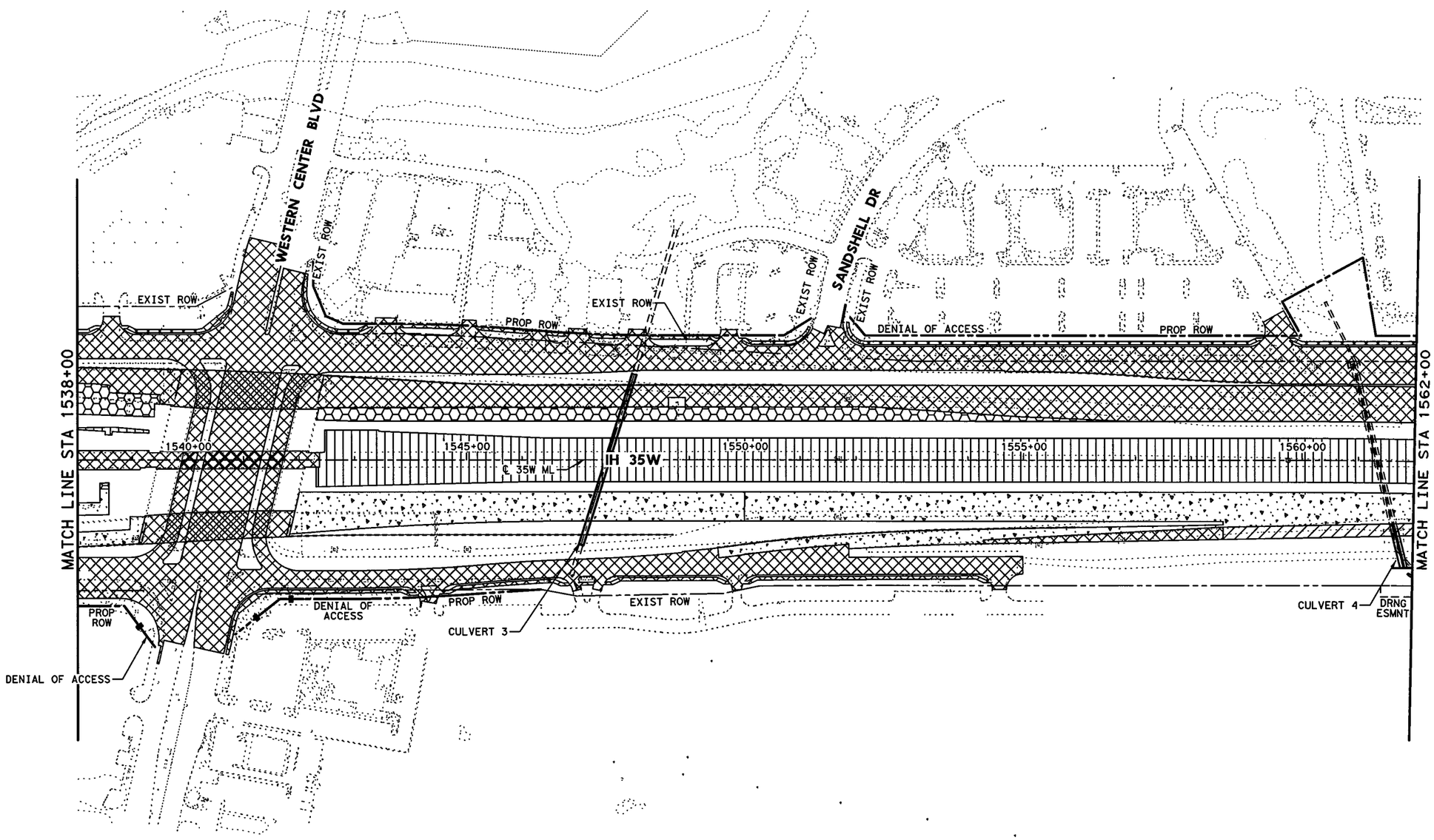
## STA 1514+00 TO STA 1538+00

SCALE: 1" = 200'

SHEET 6 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 189 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCLOVR_06.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PHASE 1 CONSTRUCTION
- PHASE 2 CONSTRUCTION
- PHASE 3 CONSTRUCTION
- PHASE 4 CONSTRUCTION
- PHASE 5 CONSTRUCTION

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**OVERALL CONSTRUCTION SEQUENCE LAYOUT**

**STA 1538+00 TO STA 1562+00**

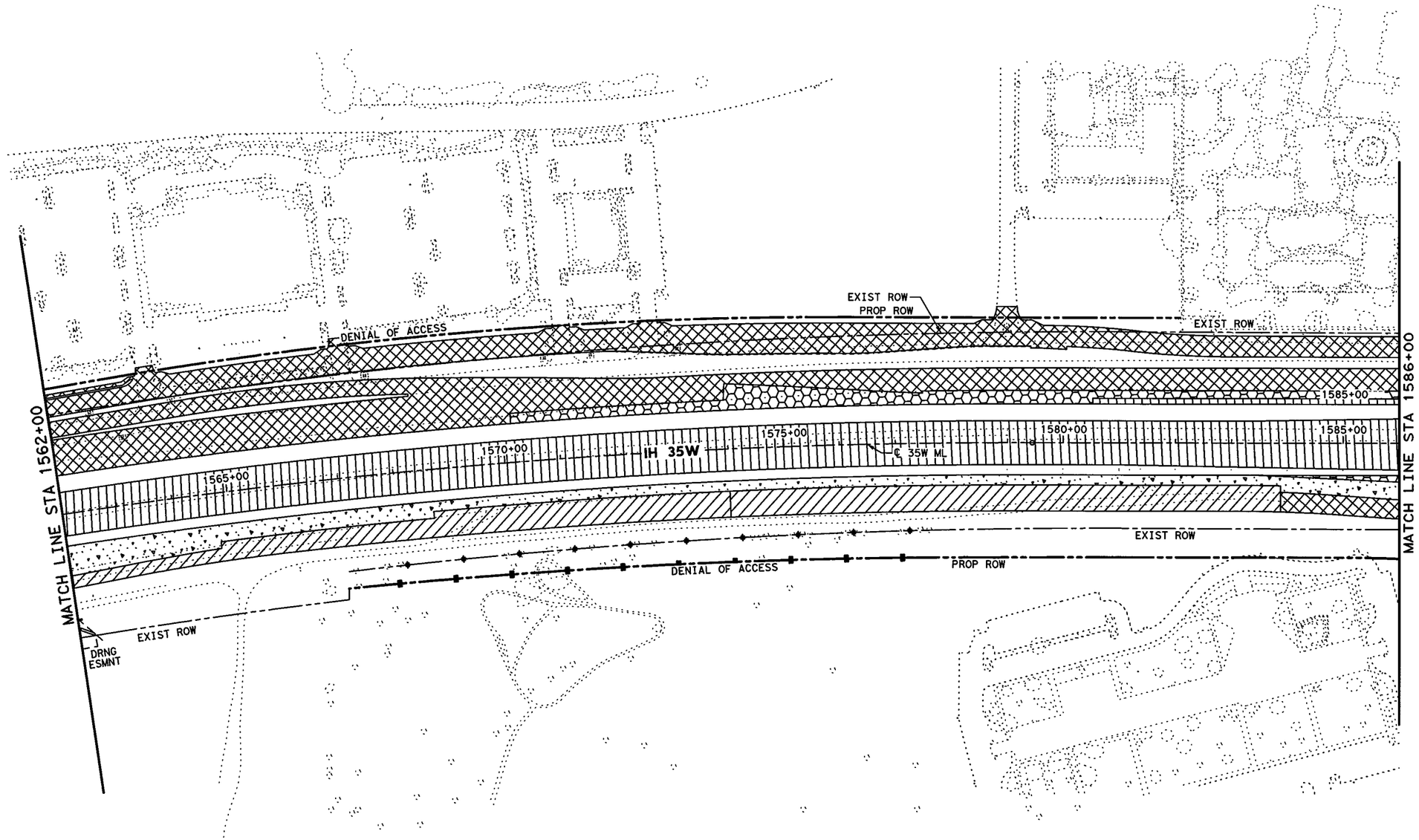
SCALE: 1" = 200'

SHEET 7 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 190 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCLOVR_07.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PHASE 1 CONSTRUCTION
- PHASE 2 CONSTRUCTION
- PHASE 3 CONSTRUCTION
- PHASE 4 CONSTRUCTION
- PHASE 5 CONSTRUCTION

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# OVERALL CONSTRUCTION SEQUENCE LAYOUT

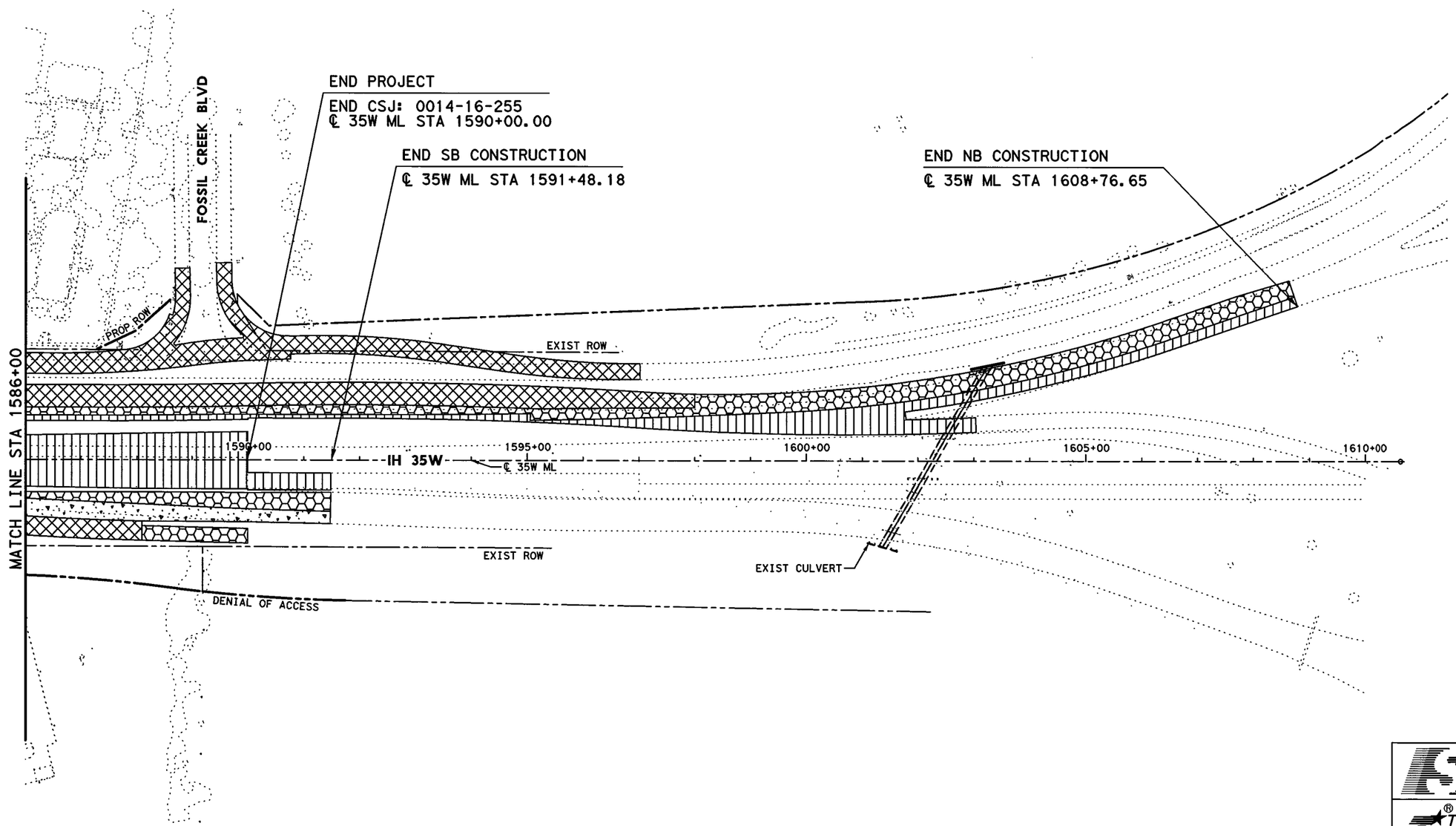
## STA 1562+00 TO STA 1586+00

SCALE: 1" = 200'

SHEET 8 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 191 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCLOVR_08.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PHASE 1 CONSTRUCTION
- PHASE 2 CONSTRUCTION
- PHASE 3 CONSTRUCTION
- PHASE 4 CONSTRUCTION
- PHASE 5 CONSTRUCTION

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## OVERALL CONSTRUCTION SEQUENCE LAYOUT

## STA 1586+00 TO END PROJECT

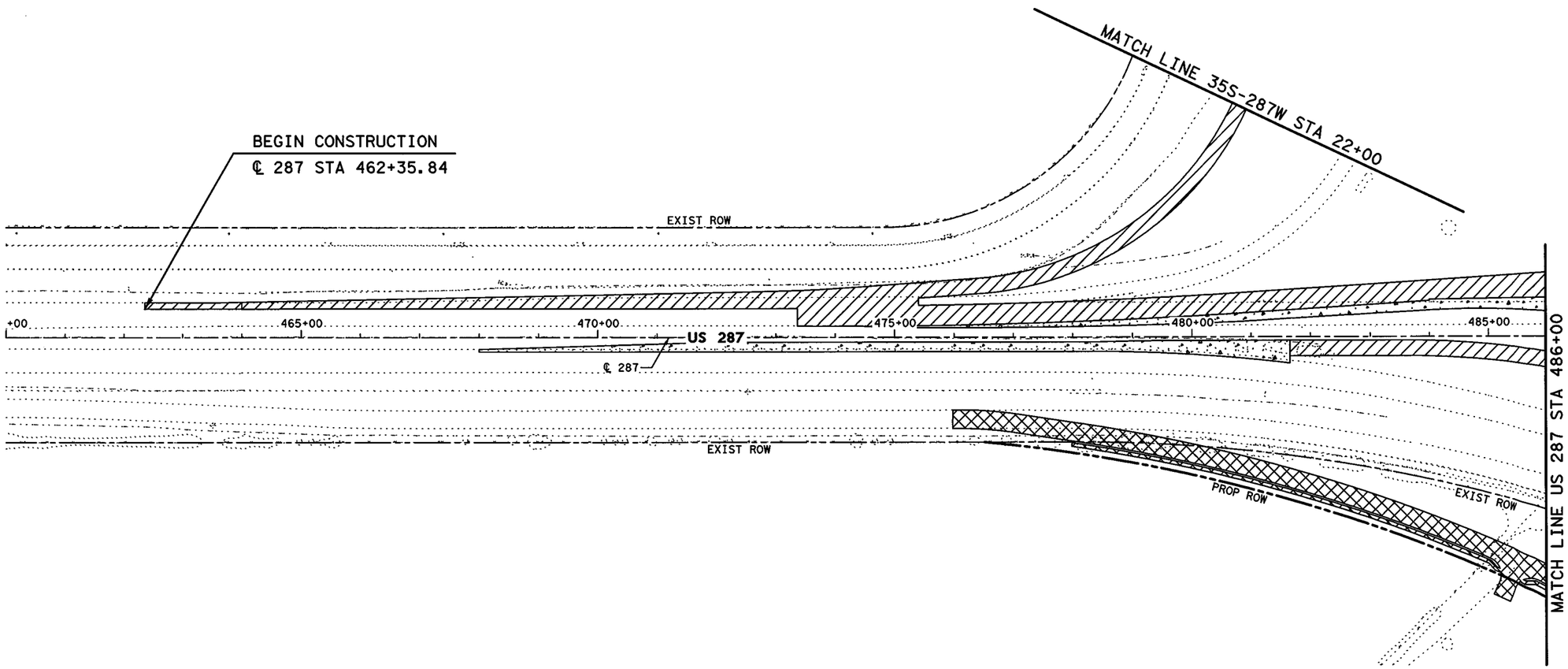
SCALE: 1" = 200'

SHEET 9 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 192 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCLOVR_09.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PHASE 1 CONSTRUCTION
- PHASE 2 CONSTRUCTION
- PHASE 3 CONSTRUCTION
- PHASE 4 CONSTRUCTION
- PHASE 5 CONSTRUCTION

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**OVERALL CONSTRUCTION SEQUENCE LAYOUT**

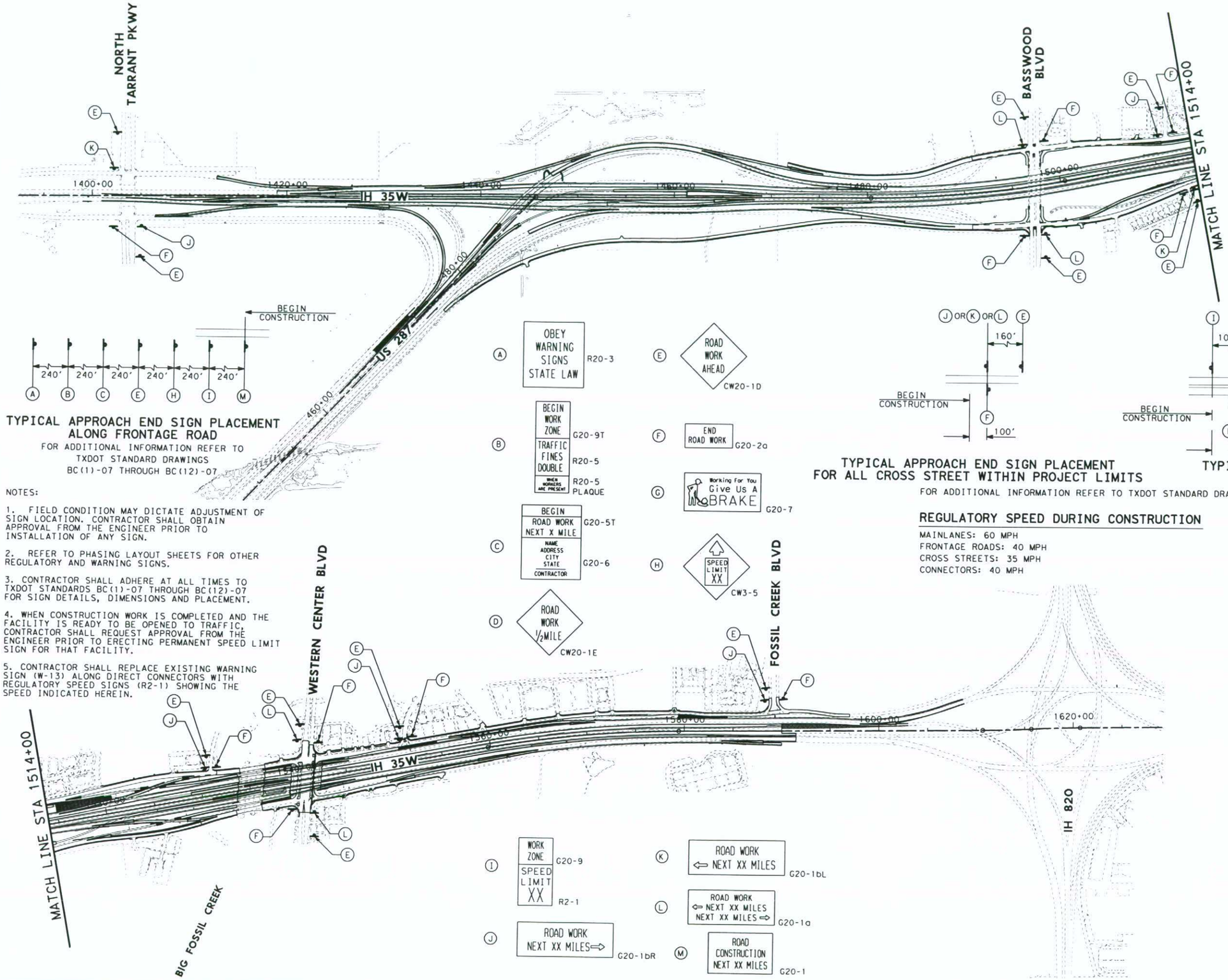
**STA 460+00 TO STA 486+00**

SCALE: 1" = 200' SHEET 10 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 193 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCLOVR_10.dgn

DRAWING DATE: 7/29/2012







## TYPICAL APPROACH END SIGN PLACEMENT ALONG FRONTAGE ROAD

FOR ADDITIONAL INFORMATION REFER TO TXDOT STANDARD DRAWINGS BC(1)-07 THROUGH BC(12)-07

NOTES:

1. FIELD CONDITION MAY DICTATE ADJUSTMENT OF SIGN LOCATION. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO INSTALLATION OF ANY SIGN.

2. REFER TO PHASING LAYOUT SHEETS FOR OTHER REGULATORY AND WARNING SIGNS.

3. CONTRACTOR SHALL ADHERE AT ALL TIMES TO TXDOT STANDARDS BC(1)-07 THROUGH BC(12)-07 FOR SIGN DETAILS, DIMENSIONS AND PLACEMENT.

4. WHEN CONSTRUCTION WORK IS COMPLETED AND THE FACILITY IS READY TO BE OPENED TO TRAFFIC, CONTRACTOR SHALL REQUEST APPROVAL FROM THE ENGINEER PRIOR TO ERECTING PERMANENT SPEED LIMIT SIGN FOR THAT FACILITY.

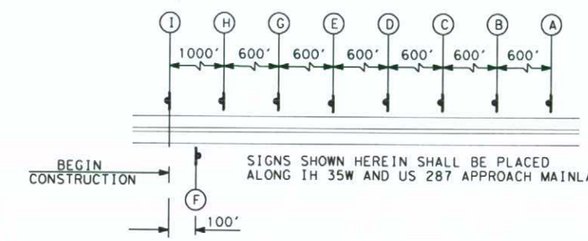
5. CONTRACTOR SHALL REPLACE EXISTING WARNING SIGN (W-13) ALONG DIRECT CONNECTORS WITH REGULATORY SPEED SIGNS (R2-1) SHOWING THE SPEED INDICATED HEREIN.







## TYPICAL APPROACH END SIGN PLACEMENT FOR ALL CROSS STREET WITHIN PROJECT LIMITS




SIGNS SHOWN HEREIN SHALL BE PLACED ALONG IH 35W AND US 287 APPROACH MAINLANES

## TYPICAL APPROACH END SIGN PLACEMENT FOR ALL FREEWAY MAINLINE

FOR ADDITIONAL INFORMATION REFER TO TXDOT STANDARD DRAWINGS BC(1)-07 THROUGH BC(12)-07

## REGULATORY SPEED DURING CONSTRUCTION

MAINLANES: 60 MPH
FRONTAGE ROADS: 40 MPH
CROSS STREETS: 35 MPH
CONNECTORS: 40 MPH

STATE OF TEXAS
PETE J. FERRIER
91776
LICENSED PROFESSIONAL ENGINEER
8/22/12

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

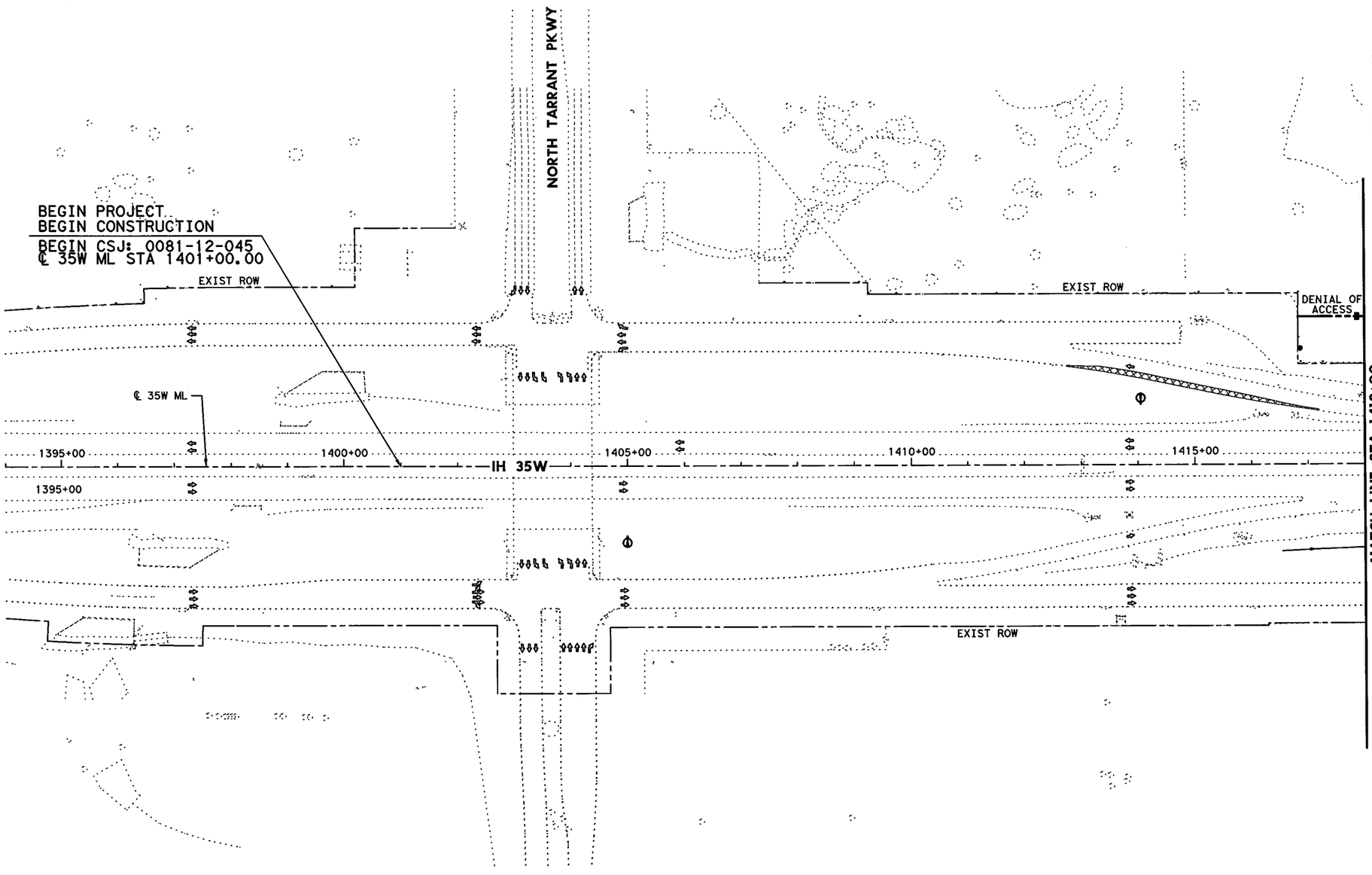
IH 35W FROM NORTH TARRANT PKWY TO IH 820

## ADVANCE WARNING SIGNS

SCALE 1" = 1000' SHEET 1 OF 1

| DESIGN | FED. RD. DIV. NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 194 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCWS*01.dgn
DRAWING DATE: 9/10/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 1 STEP 1

## BEGIN PROJECT TO STA 1418+00

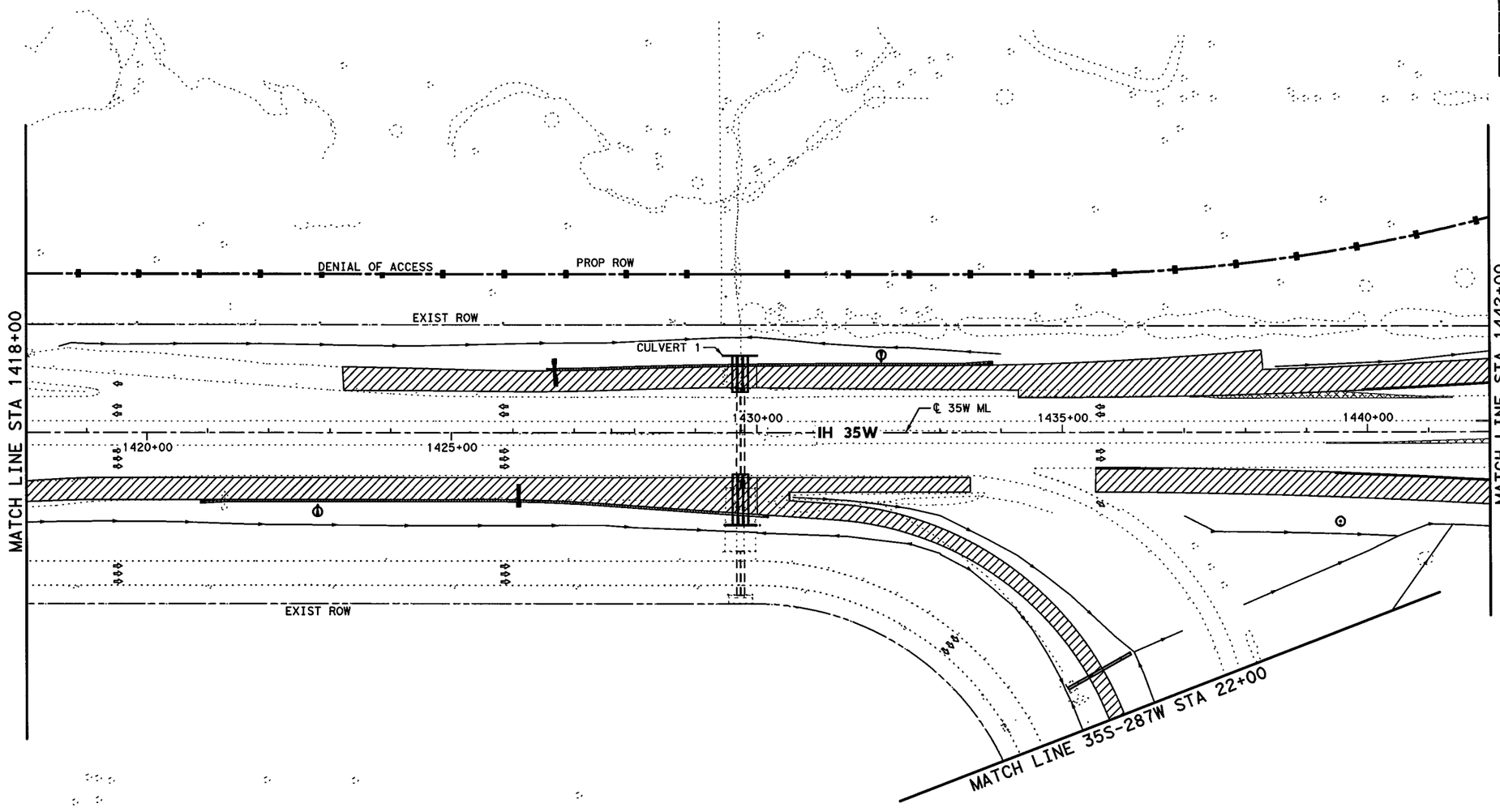
SCALE: 1" = 200'

SHEET 1 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 195 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL11_01.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 1 STEP 1**

**STA 1418+00 TO STA 1442+00**

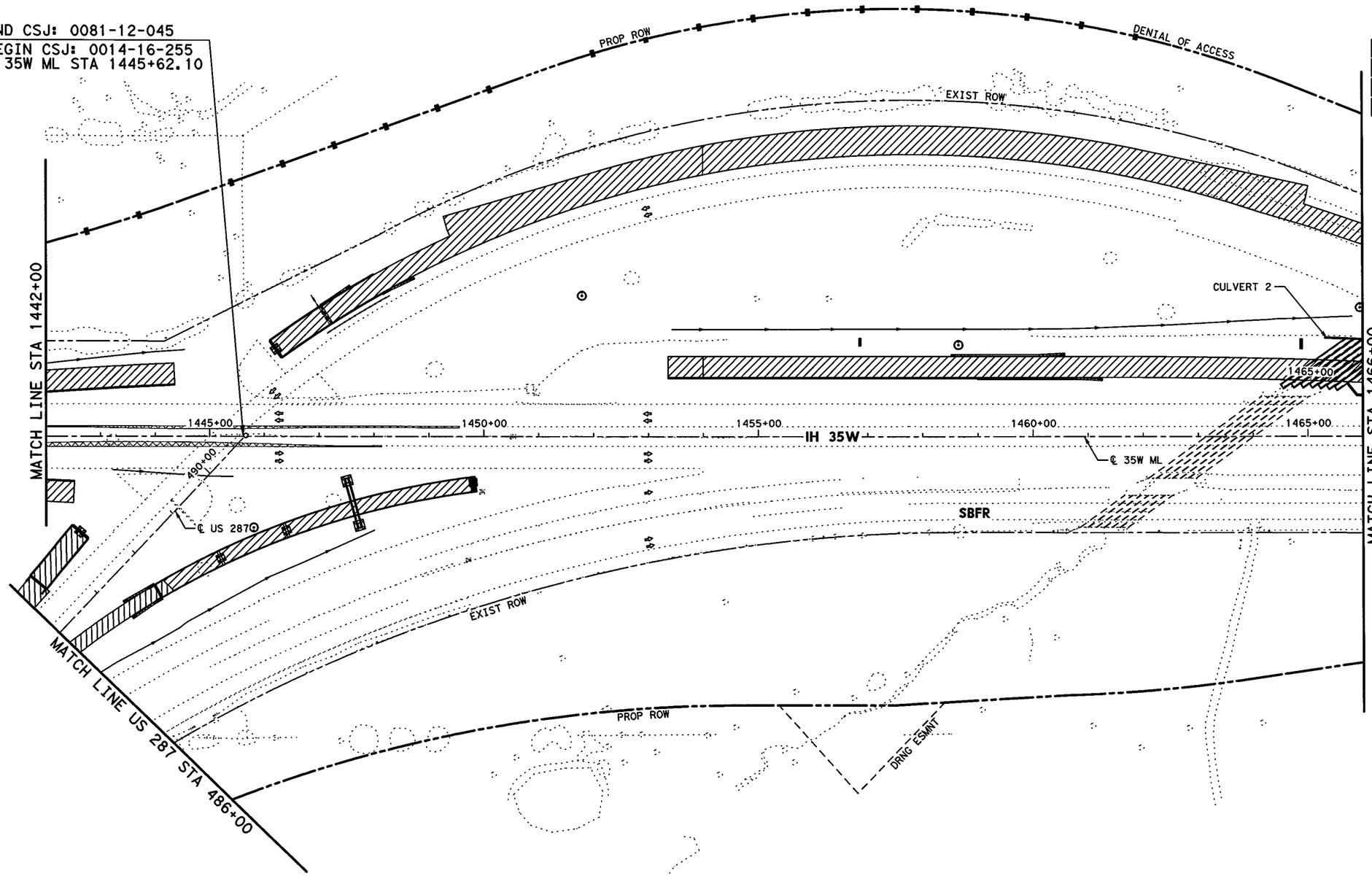
SCALE: 1" = 200' SHEET 2 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 196 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL11_02.dgn

DRAWING DATE: 7/29/2012

END CSJ: 0081-12-045
BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




0' 50' 100' 200'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

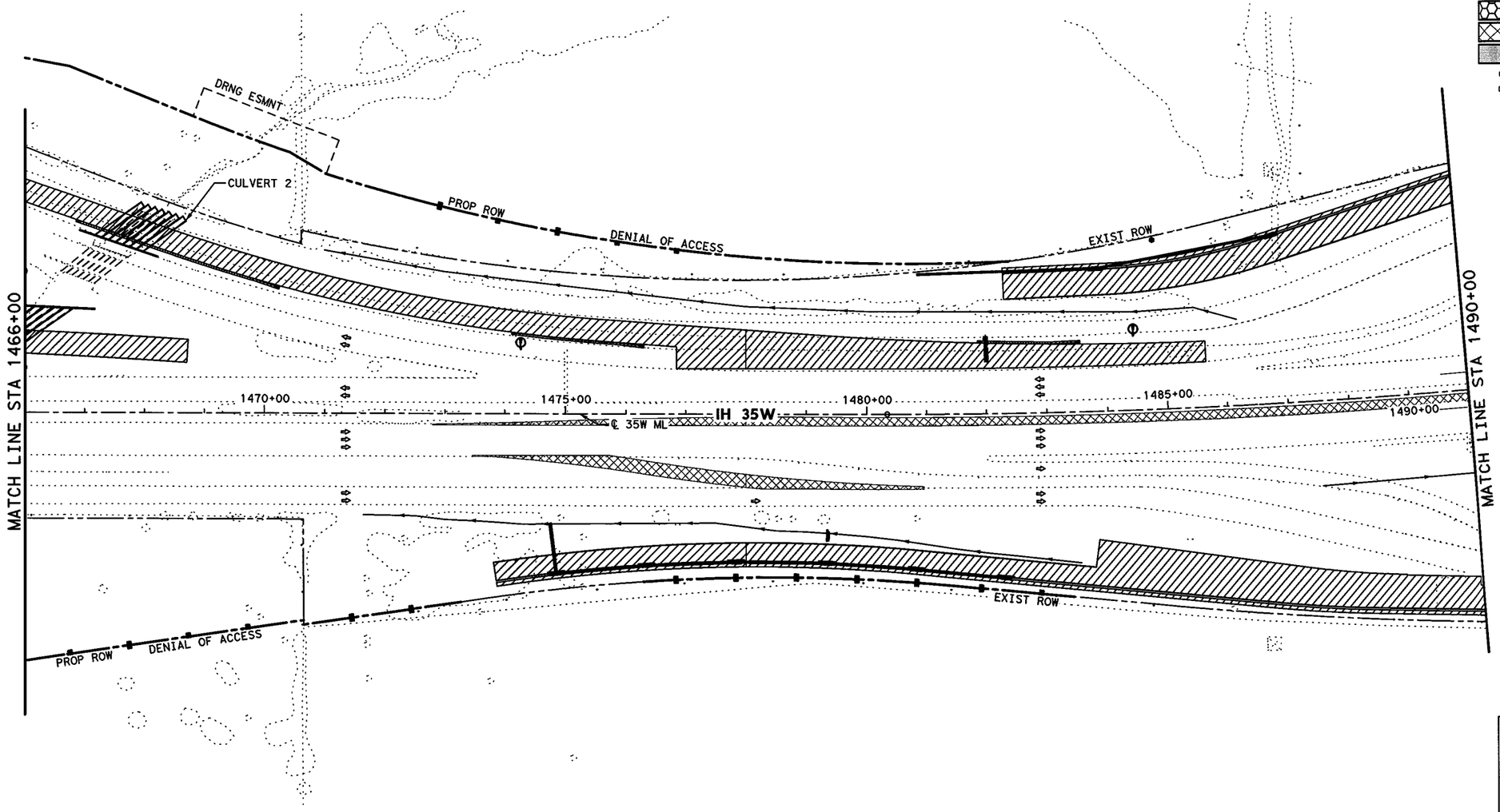
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**
**PHASE 1 STEP 1**
**STA 1442+00 TO STA 1466+00**

SCALE: 1" = 200' SHEET 3 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 197 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF / SY | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL11_03.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 1 STEP 1**

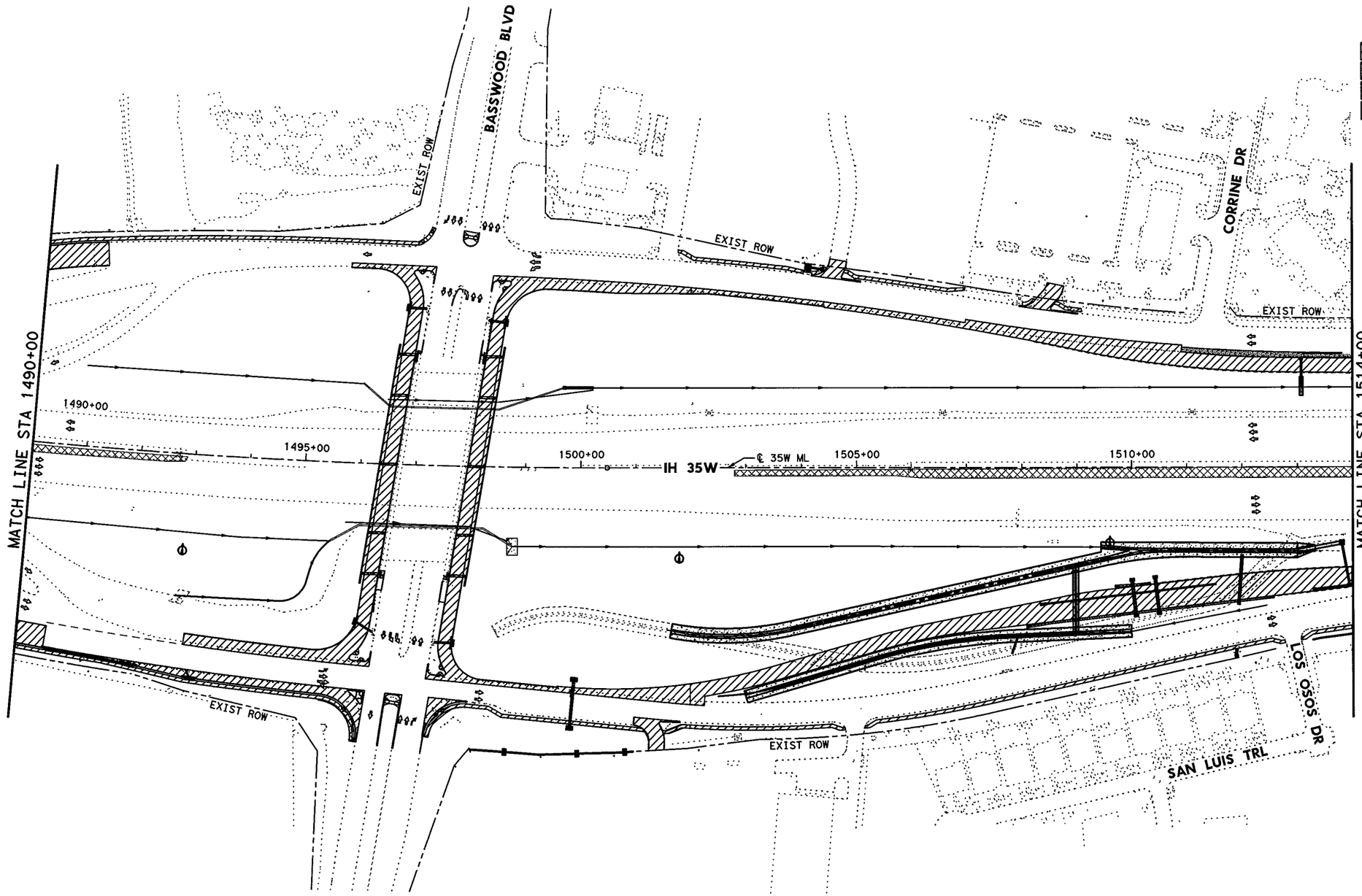
**STA 1466+00 TO STA 1490+00**

SCALE: 1" = 200' SHEET 4 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 198 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL11_04.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 1 STEP 1

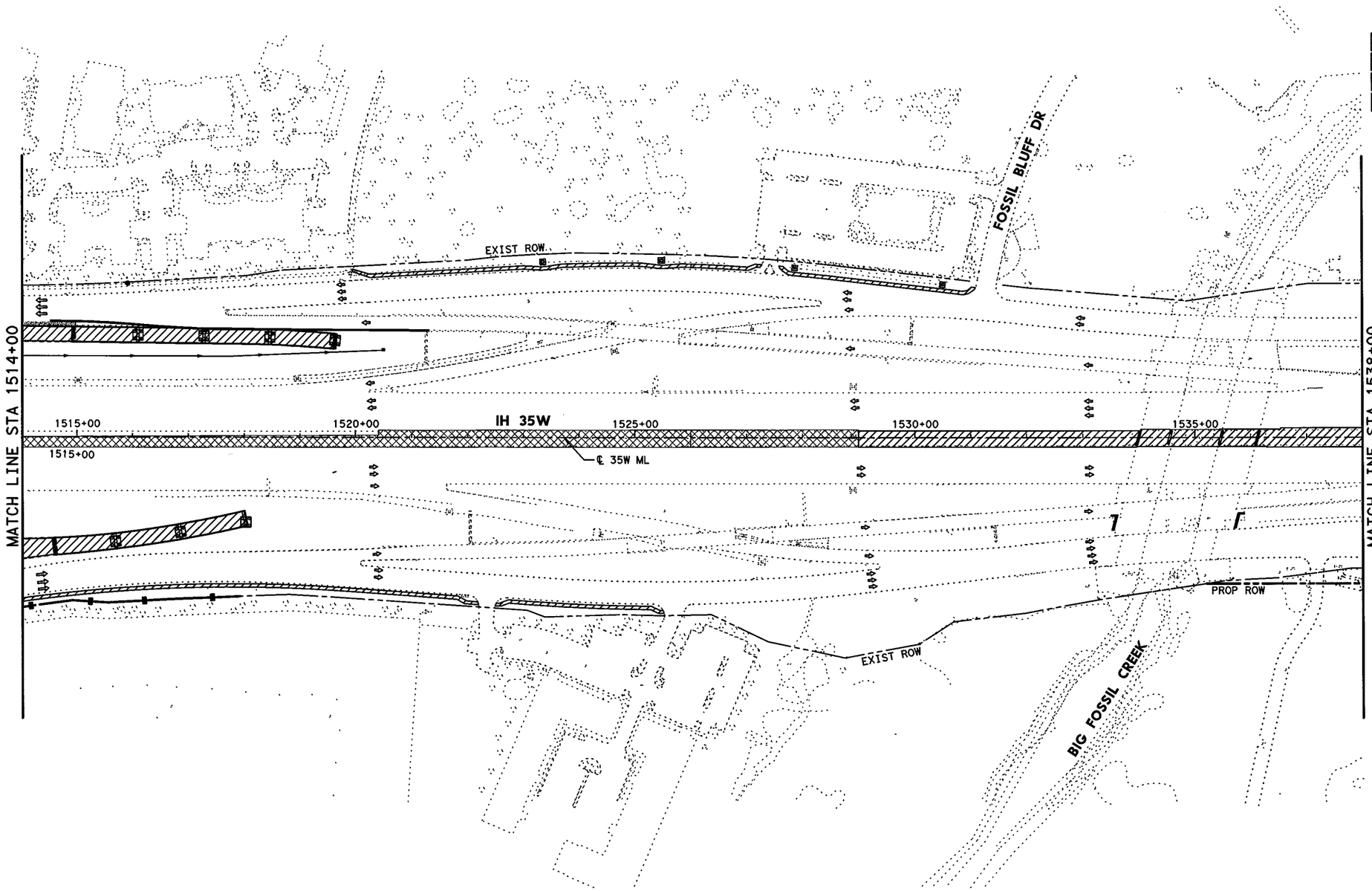
## STA 1490+00 TO STA 1514+00

SCALE: 1" = 200'

SHEET 5 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 199 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL11_05.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

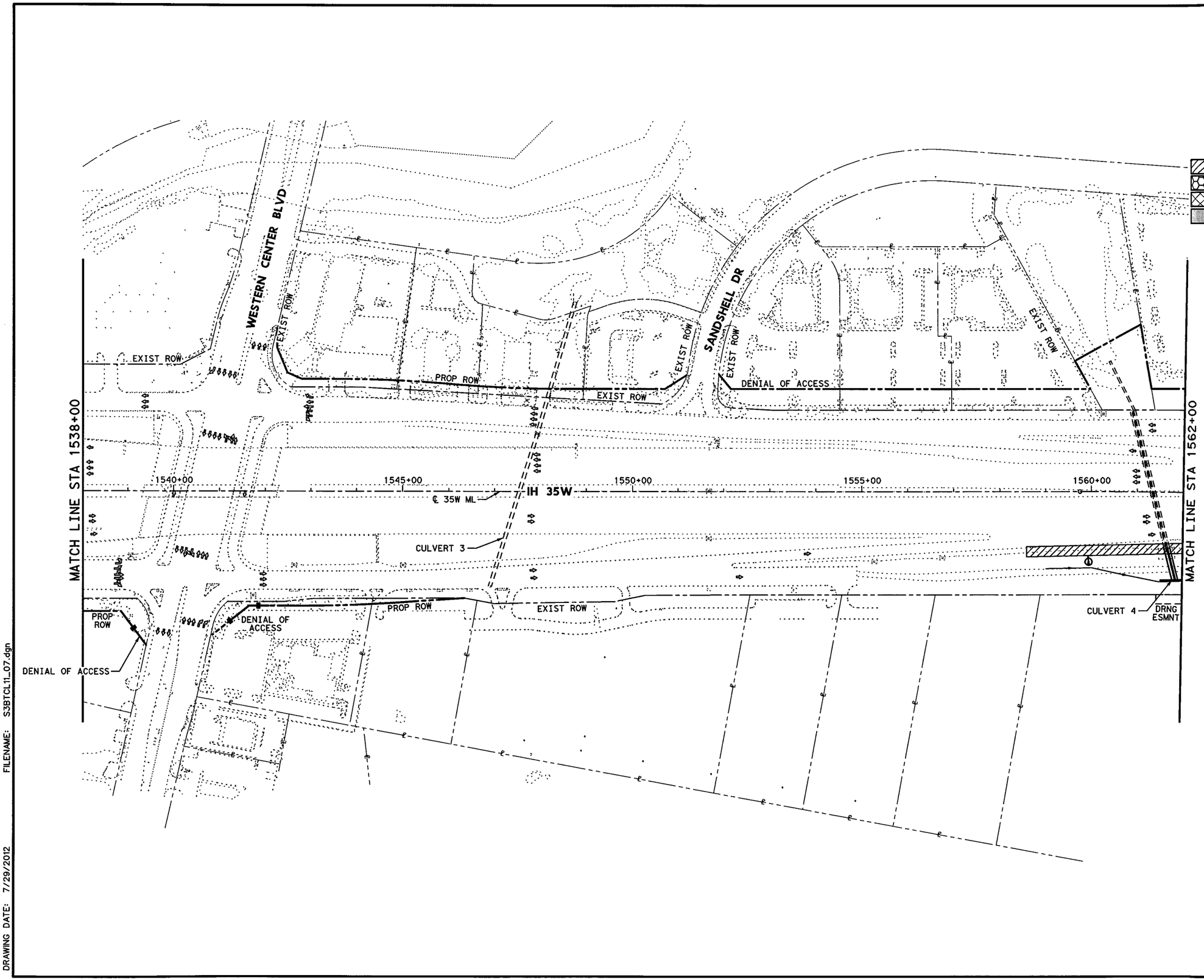
**PHASE 1 STEP 1**

**STA 1514+00 TO STA 1538+00**

SCALE: 1" = 200' SHEET 6 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 200 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL11_06.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 1 STEP 1

## STA 1538+00 TO STA 1562+00

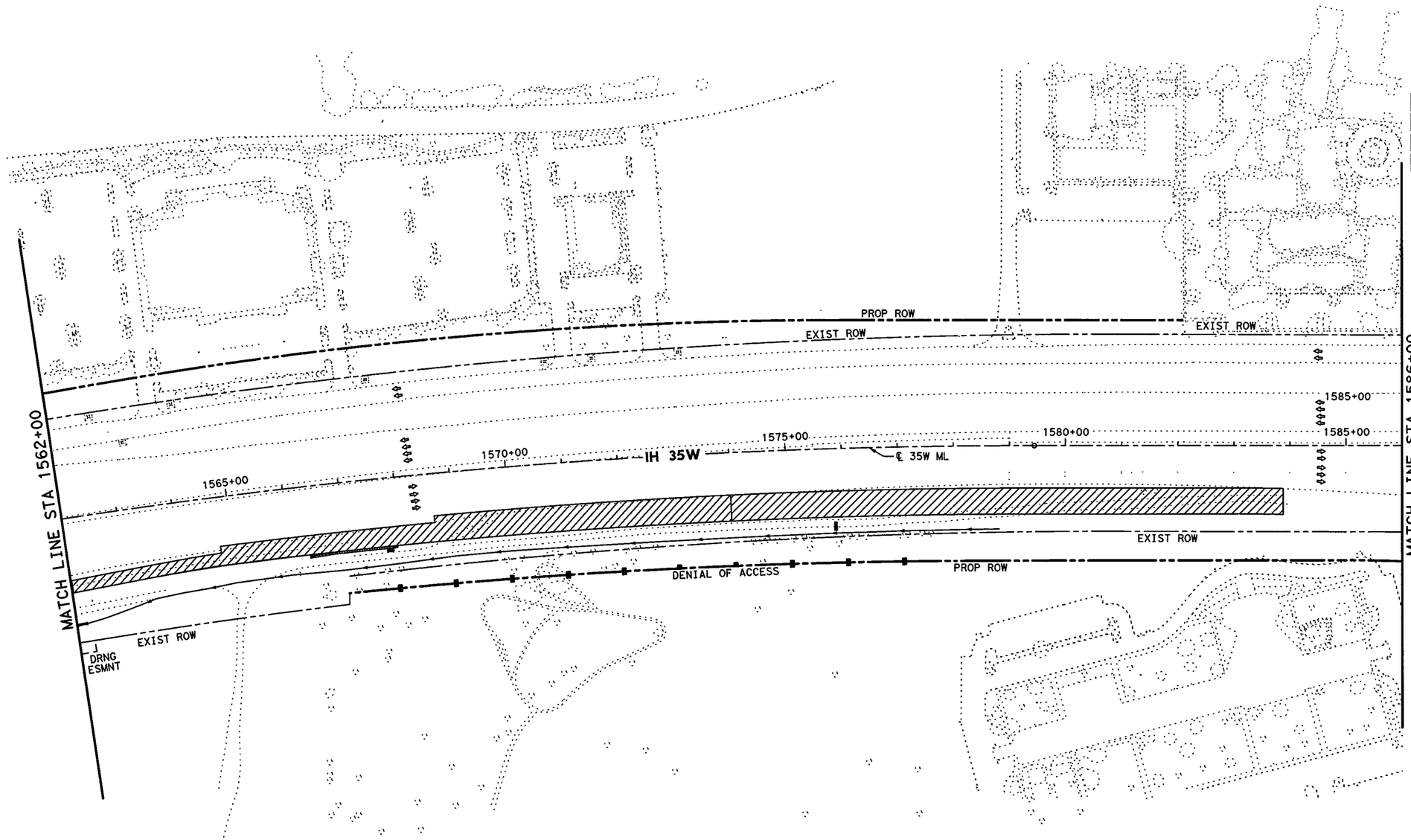
SCALE: 1" = 200'

SHEET 7 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 201 |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S38TCL11_07.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

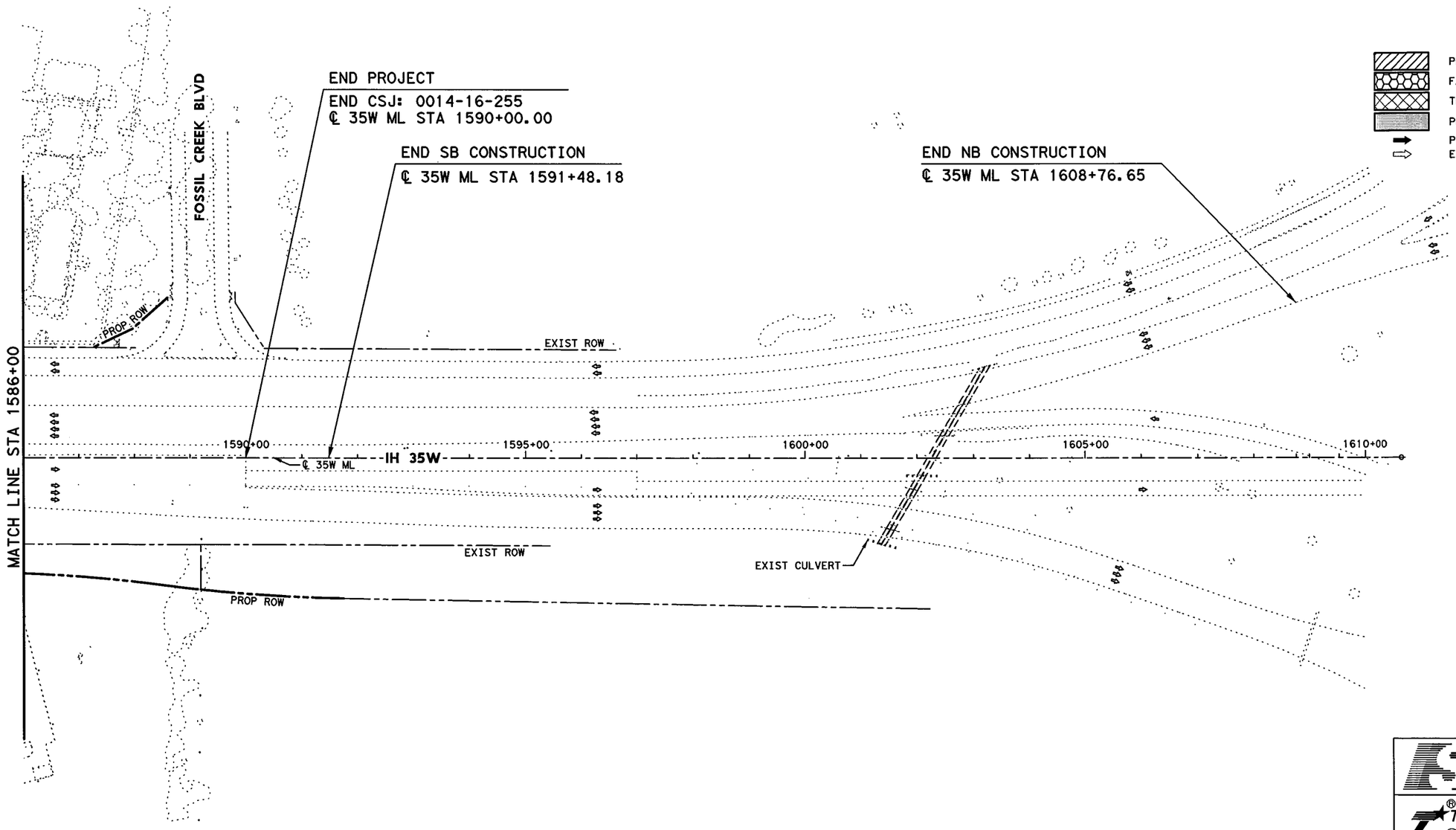
**PHASE 1 STEP 1**

**STA 1562+00 TO STA 1586+00**

SCALE: 1" = 200' SHEET 8 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 202 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL11_08.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

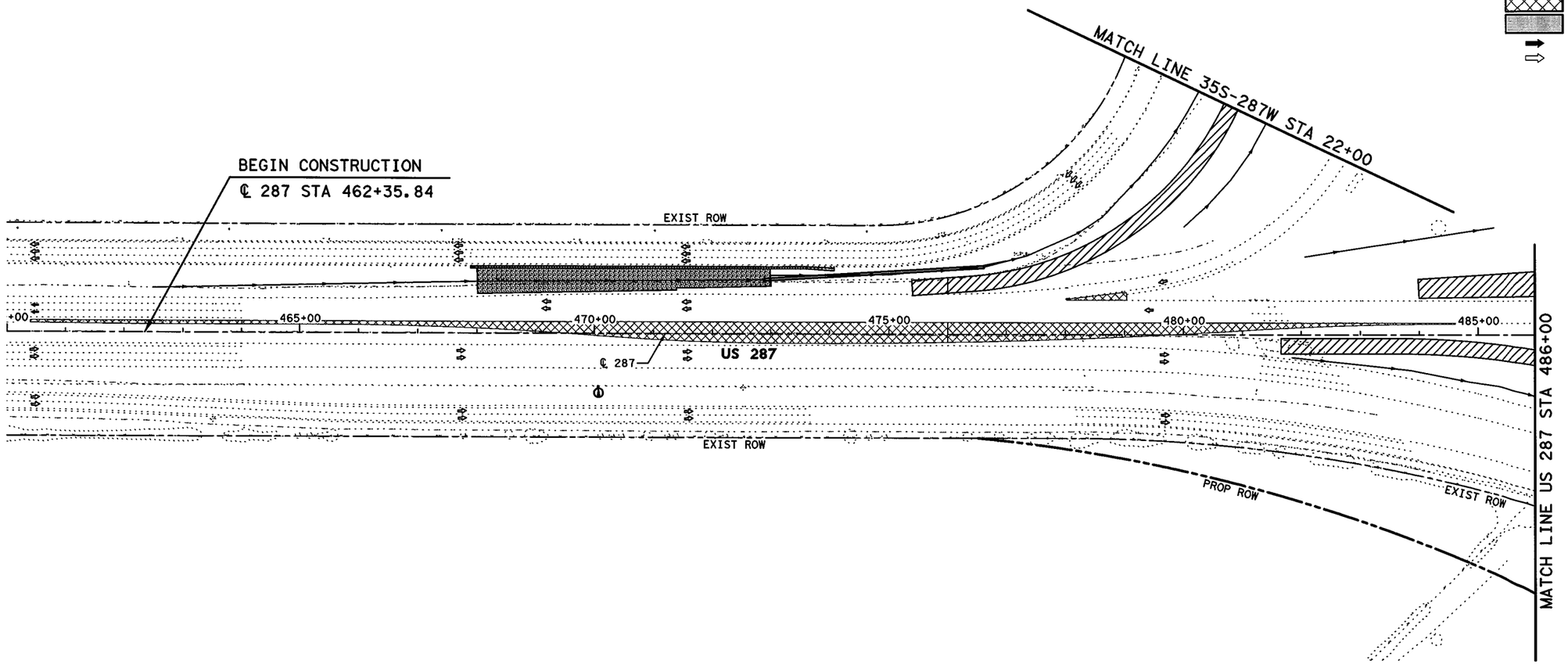
# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 1 STEP 1
## STA 1586+00 TO END PROJECT

SCALE: 1" = 200'

SHEET 9 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 203 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL11_09.dgn




0′ 50′ 100′ 200′

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 1 STEP 1**

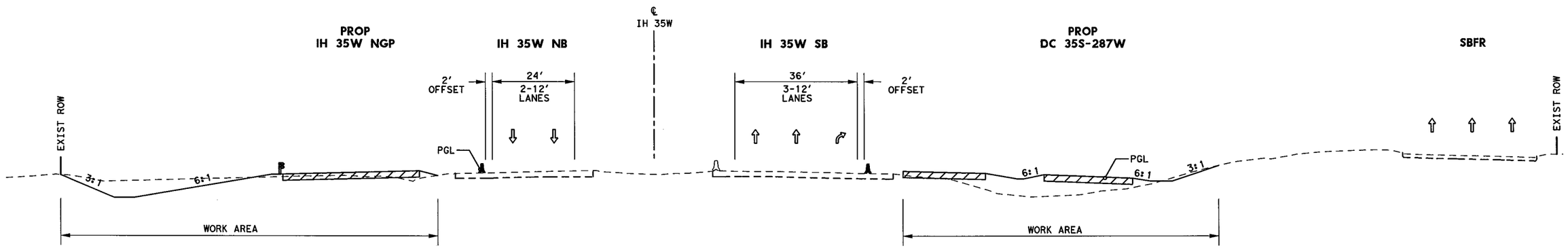
**STA 460+00 TO STA 486+00**

SCALE: 1" = 200′ SHEET 10 OF 10

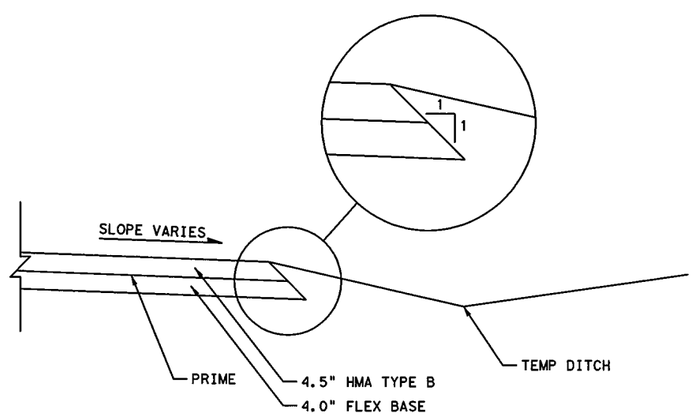
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 204 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL11_10.dgn

DRAWING DATE: 7/29/2012




TCP SECTION A-A
STA 1431+00




DETOUR & TEMP WIDENING
TYPICAL SECTION

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

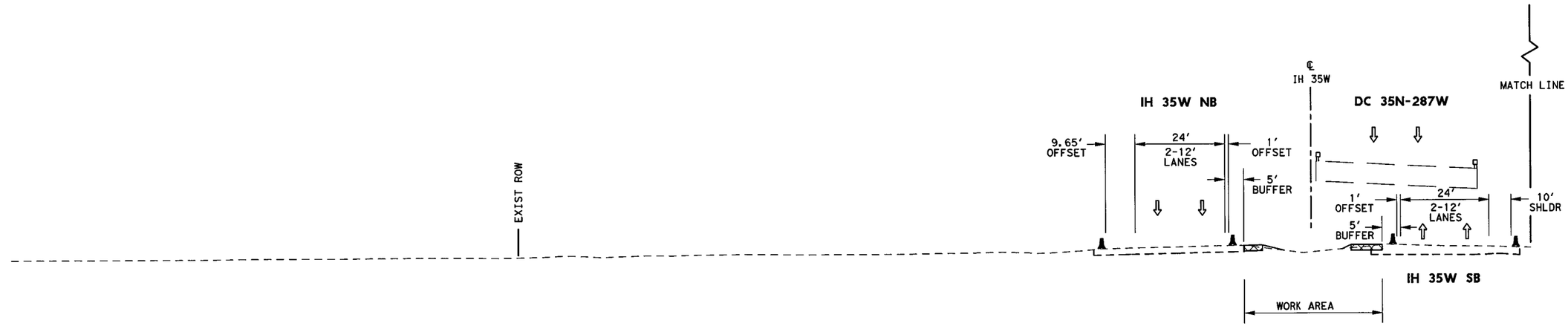
IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 1 STEP 1

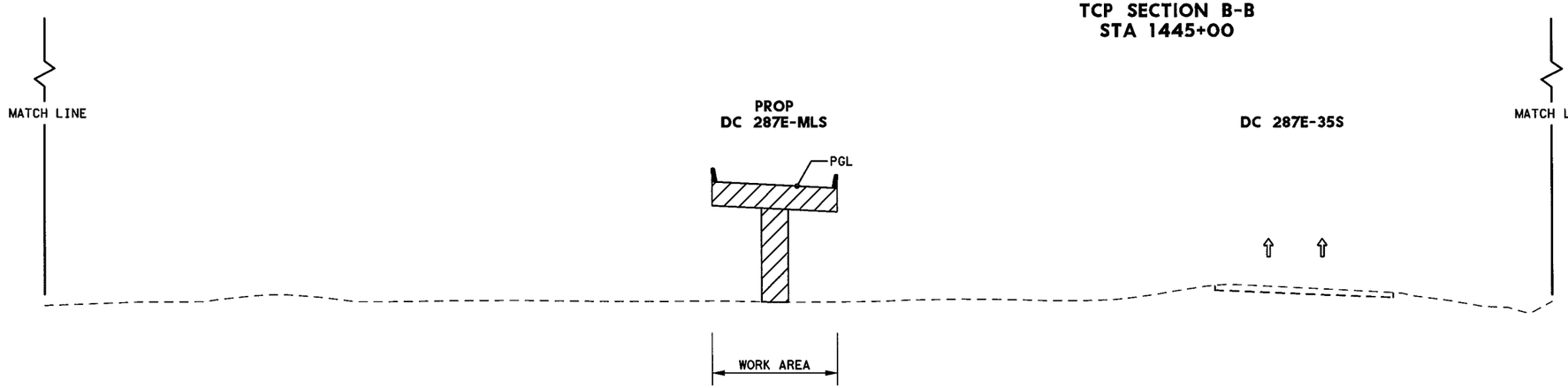
SCALE: NTS
SHEET 1 OF 4

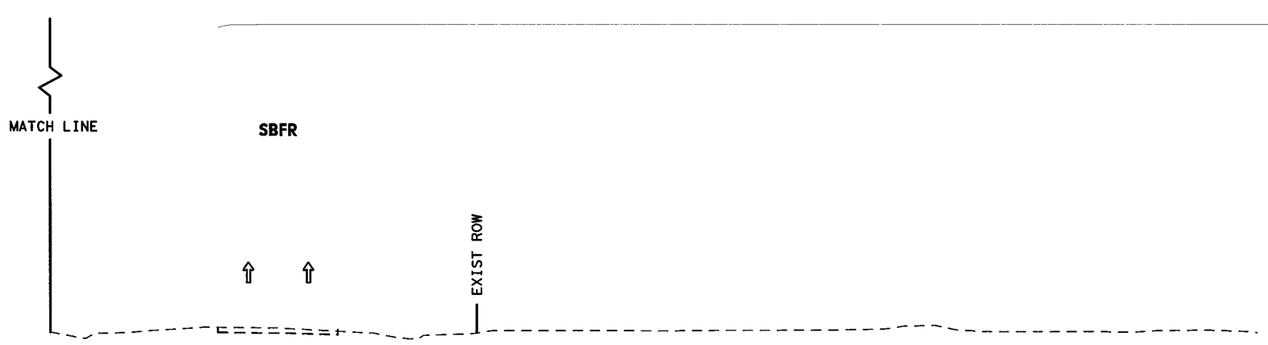
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 205 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCT11_01.dgn
DRAWING DATE: 7/29/2012




## TCP SECTION B-B
## STA 1445+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED PROFESSIONAL ENGINEER
7/30/12

I.S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

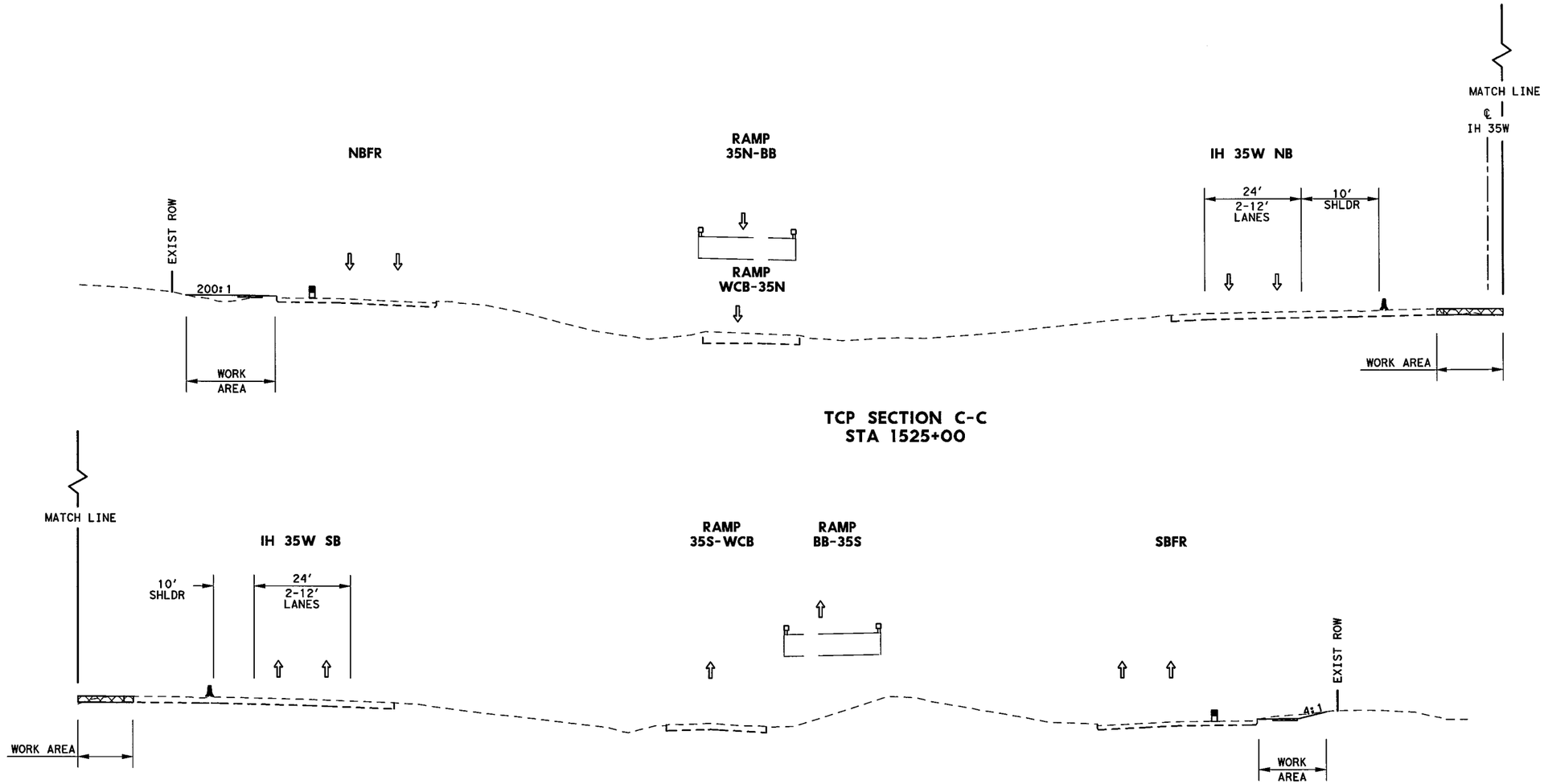
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 1 STEP 1**

SCALE: NTS — SHEET 2 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 206 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCT11_02.dgn
DRAWING DATE: 7/29/2012




## TCP SECTION C-C
## STA 1525+00

### LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 1 STEP 1**

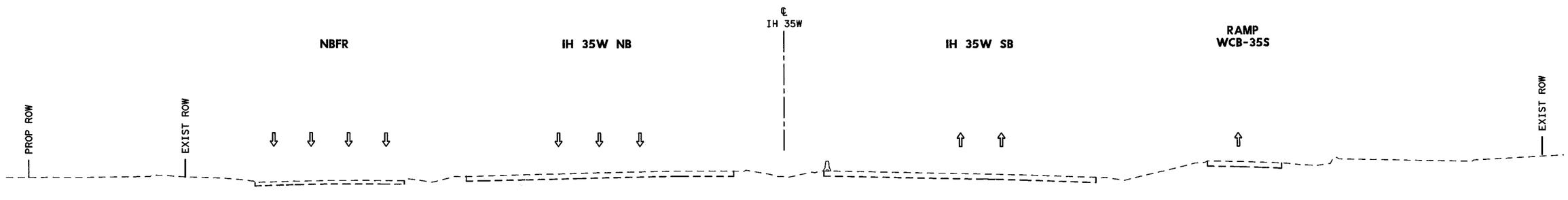
SCALE: NTS

SHEET 3 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 207 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT11_03.dgn

DRAWING DATE: 7/29/2012




**TCP SECTION D-D**
**STA 1554+00**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

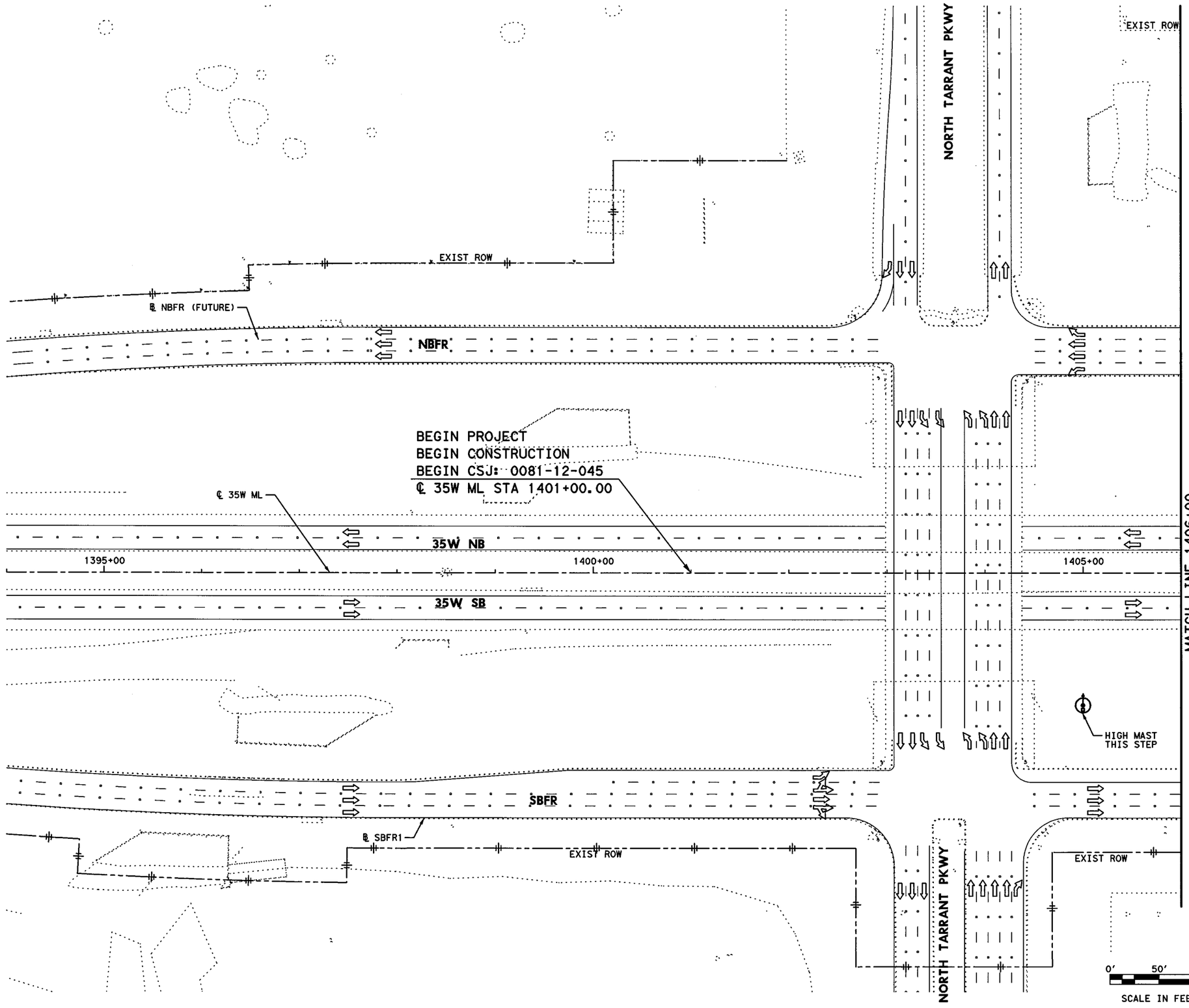
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 1 STEP 1**

SCALE: NTS — SHEET 4 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 208 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCT11_04.dgn




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 1

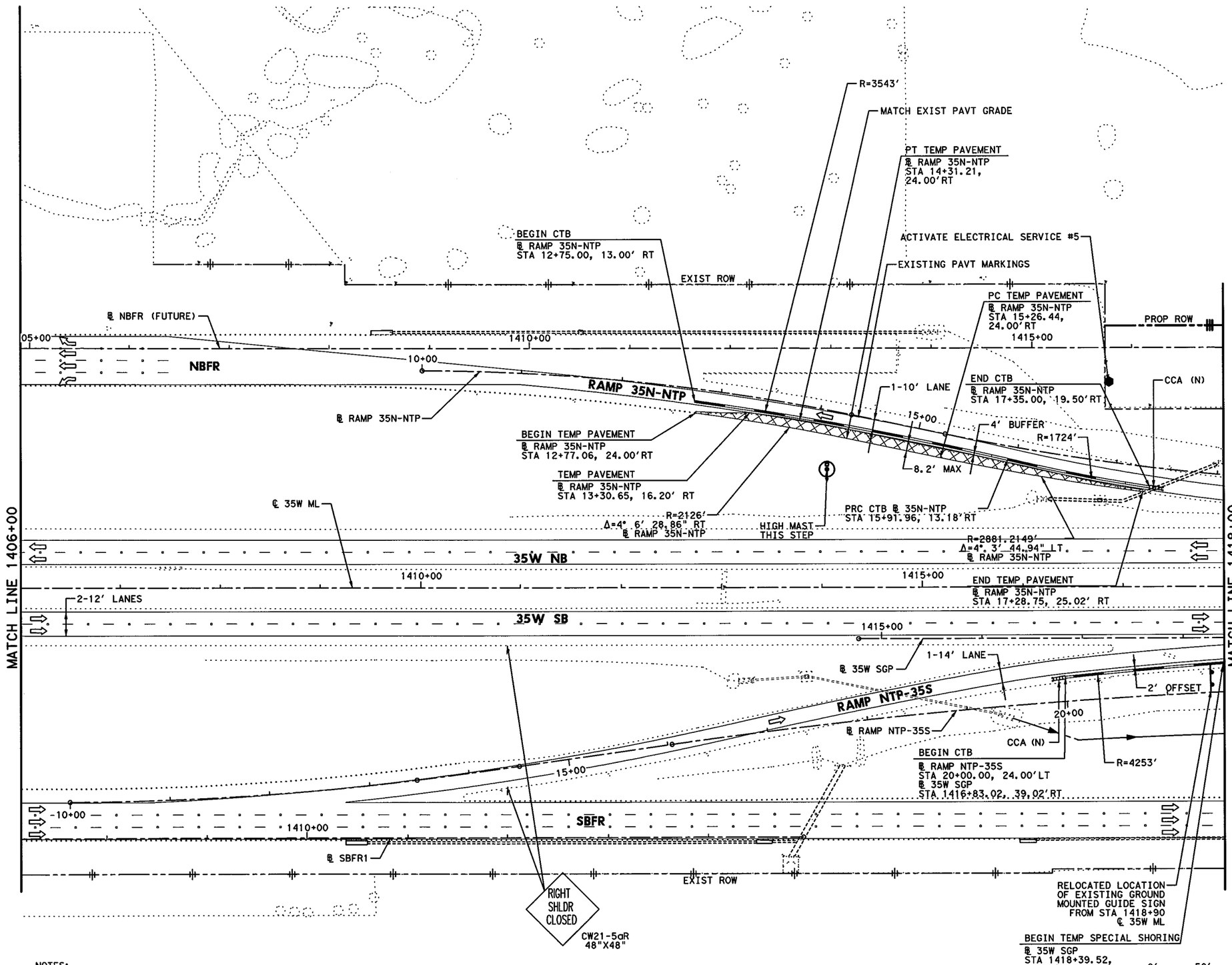
SCALE 1" = 100'

SHEET 1 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 209 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP11_01.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:
1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
2. RELOCATE EXISTING GROUND MOUNTED DC 35S-287W GUIDE SIGN PANEL AT STA 1428+85 TO STA 1418+90 IN THIS STEP.

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

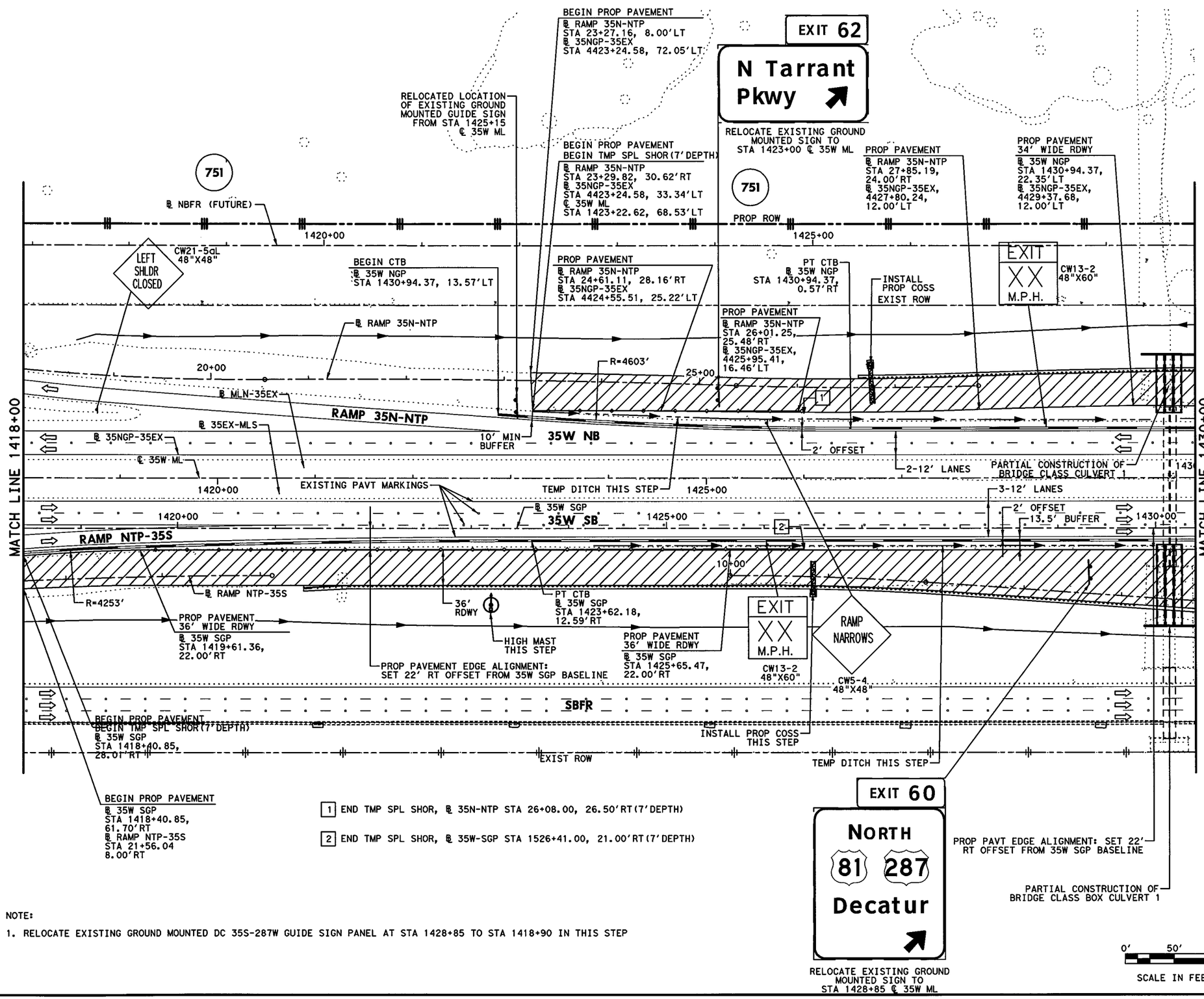
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

SCALE 1" = 100' SHEET 2 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 210 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_02.dgn
DRAWING DATE: 7/30/2012




1 END TMP SPL SHOR, ℞ 35N-NTP STA 26+08.00, 26.50'RT(7'DEPTH)

2 END TMP SPL SHOR, ℞ 35W-SGP STA 1526+41.00, 21.00'RT(7'DEPTH)

NOTE:

1. RELOCATE EXISTING GROUND MOUNTED DC 35S-287W GUIDE SIGN PANEL AT STA 1428+85 TO STA 1418+90 IN THIS STEP

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

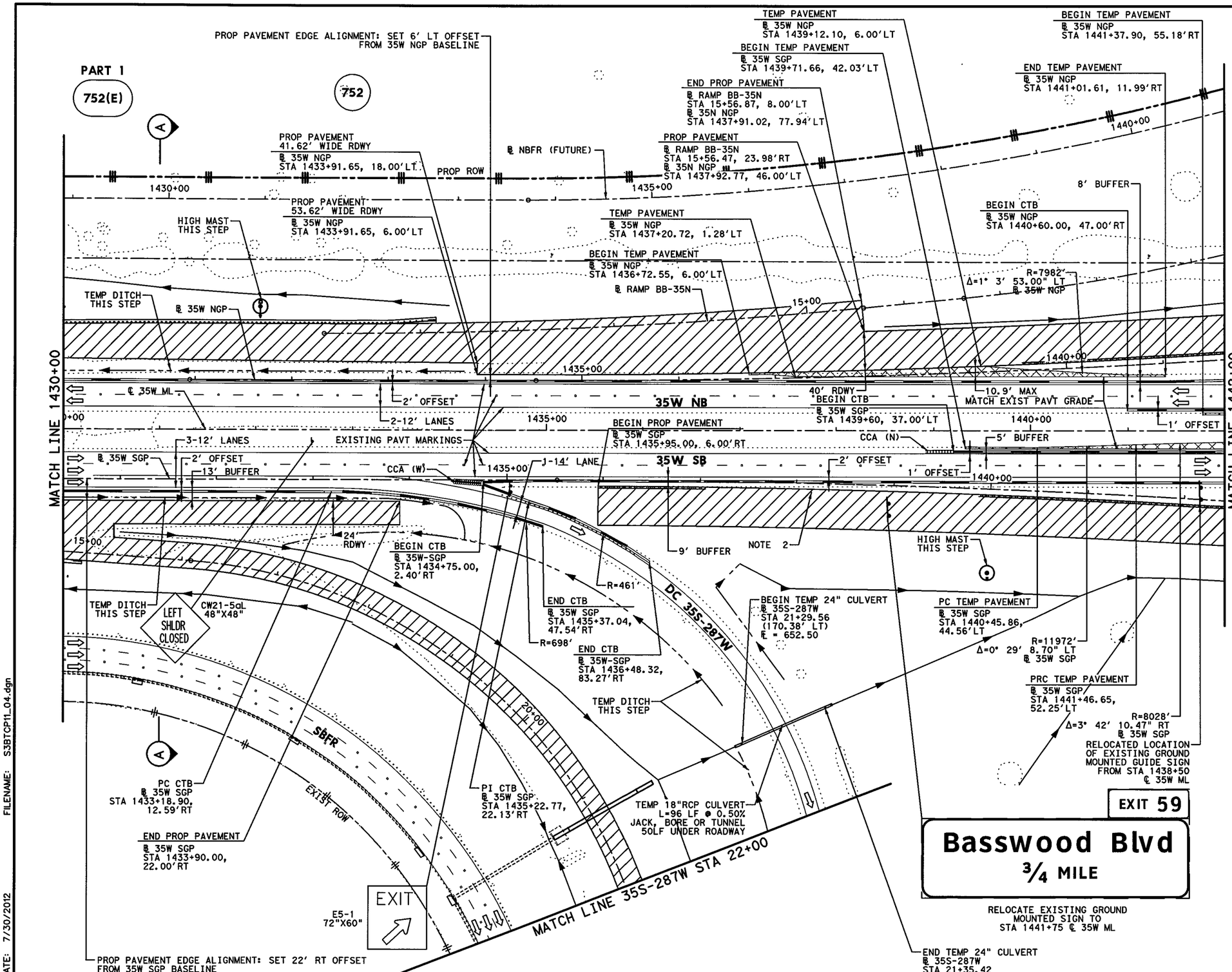
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

SCALE 1" = 100' SHEET 3 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 211 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_03.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
1. PROP BARRIER NOT TO BE PLACED UNTIL PHASE 4 STEP 1 IN ORDER TO ALLOW FOR TEMP RAMP NTP TO 35W SGP CONNECTION IN PHASE 3 STEP 2B.

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

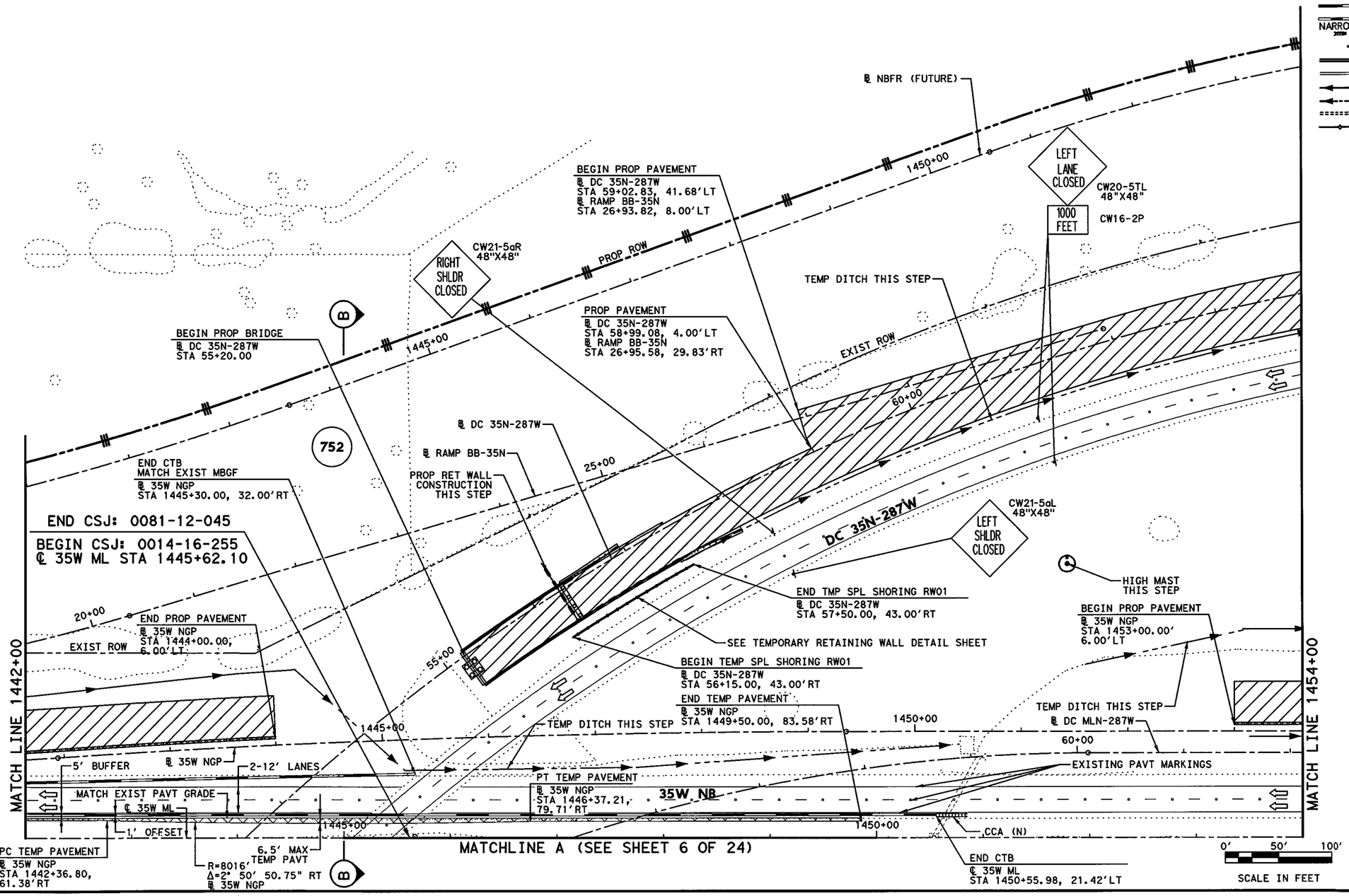
SCALE 1" = 100'
SHEET 4 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 212 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP11_04.dgn
DRAWING DATE: 7/30/2012

NOTES:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 1

SCALE 1" = 100'

SHEET 5 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 213 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_05.dgn

DRAWING DATE: 7/30/2012

END CSJ: 0081-12-045

BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10

MATCH EXIST PAVT GRADE

PRC TEMP PAVEMENT
℄ 35W SGP
STA 1446+70.18,
78.97'LT

R=11972'
Δ=0° 31' 27.74" LT
℄ 35W SGP

PT TEMP PAVEMENT
℄ 35W SGP
STA 1447+80.48,
78.87'LT

END TEMP PAVEMENT
℄ 35W SGP
STA 1448+55.23, 78.78'LT

END CTB
℄ 35W SGP
STA 1448+60.00,
76.00'LT

BEGIN CTB
MATCH EXIST MBGF
℄ 35W SGP
STA 1445+25.00, 28.07'LT

END Ⓒ
MATCH EXIST
PAVT MARKINGS
END LANE TRANSITION
℄ US 287
STA 489+58.00

R=8028'
Δ=3° 4' 31.90" RT
℄ 35W SGP

Ⓑ

5' BUFFER

8.1' MAX

MATCHLINE A (SEE SHEET 5 OF 24)

2-12' LANES

END CTB
℄ 35W SGP
STA 1450+42.00,
39.50'LT

55+00

10' SHLDR 35W SB

℄ 35W ML

1' OFFSET

MATCH LINE 1442+00

1445+00

490+00

EXISTING PAVT MARKINGS

TEMP DITCH THIS STEP

1450+00

60+00

55+00

CCA (N)

DC 35N-287W

℄ 35W SGP

60

END PROP BRIDGE
℄ DC 287E-MLS
STA 56+60.00

℄ DC MLN-287W

Ⓠ

HIGH MAST
THIS STEP

55+00

℄ DC 287E-35S

℄ DC 287E-MLS

END CTB
MATCH EXIST MBGF
℄ 35W SGP
STA 1443+00.00, 21.88'LT

END CTB
℄ US 287
STA 489+58.00,
25.00'LT

DC 287E-35S

SBFR

EXIST ROW

END PROP PAVEMENT
℄ 35W SGP
STA 1442+94.64,
45.12'RT

MATCH LINE US 287 STA 488+00

Ⓑ

754

50+

45+00

PROP ROW

℄ SBFRI

MATCH LINE 1454+00

0' 50' 100'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:
1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

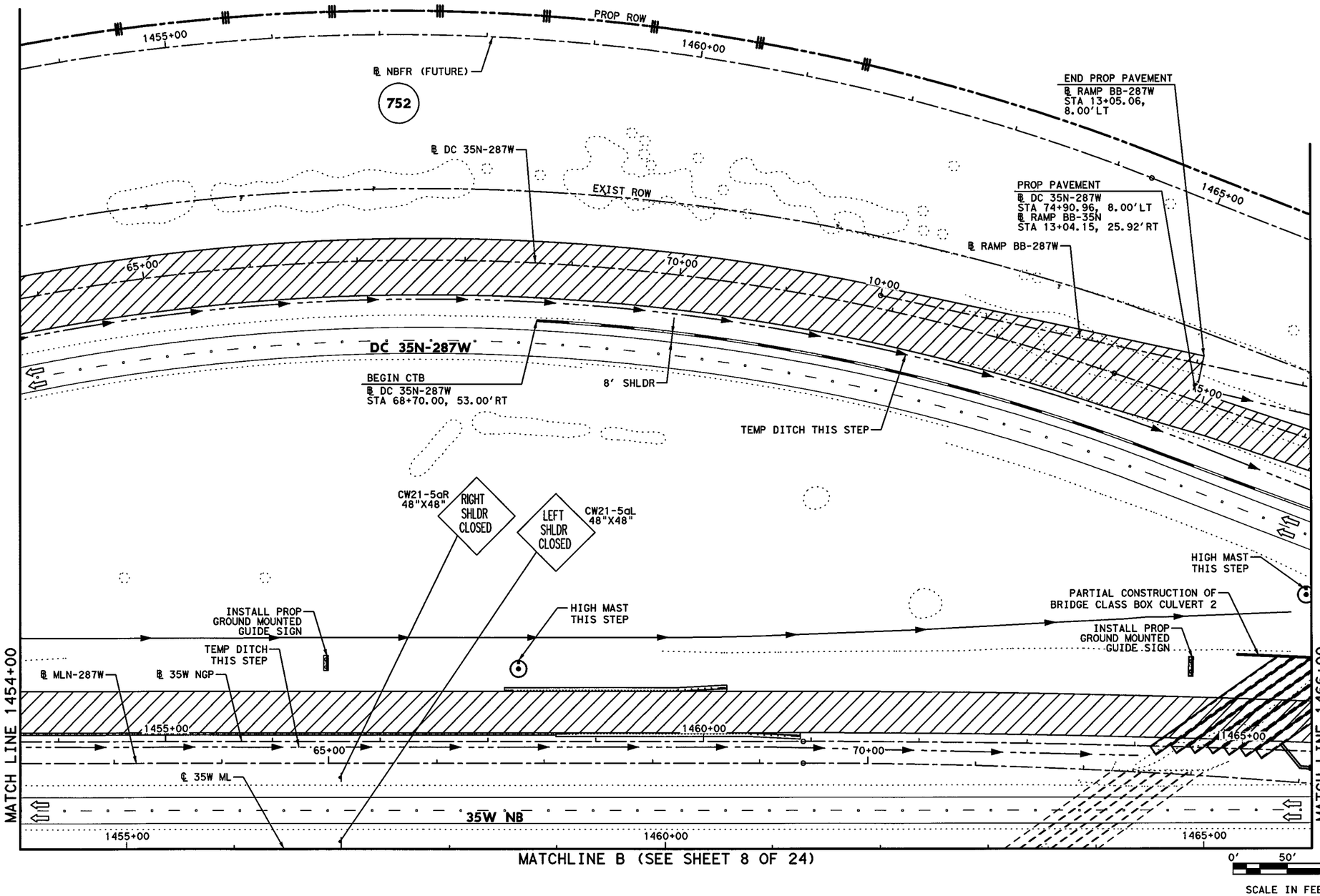
# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 1

SCALE 1" = 100' SHEET 6 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 214 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP11_06.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

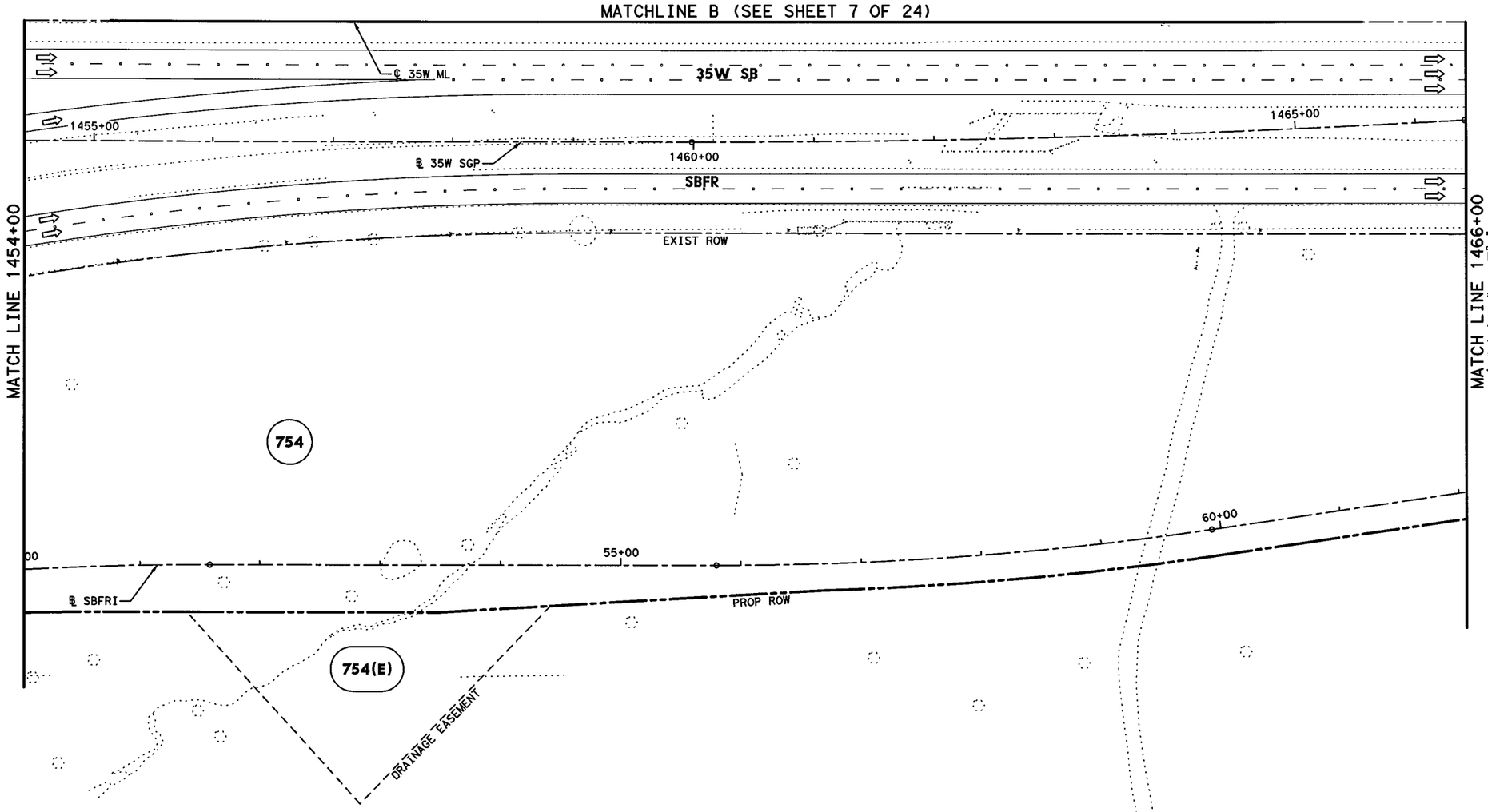
# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 1

SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 215 |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP11_07.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

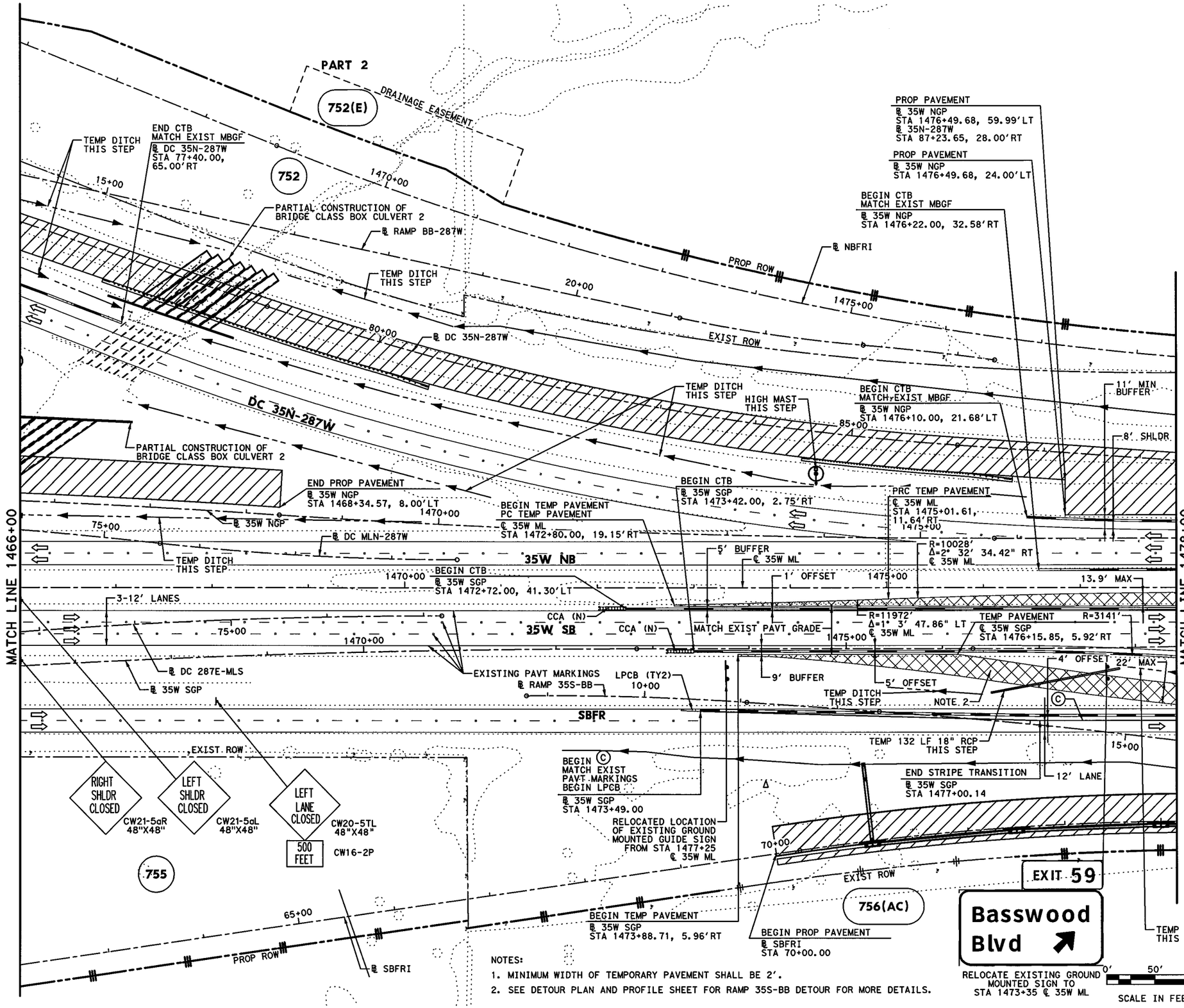
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

SCALE 1" = 100' SHEET 8 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 216 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_08.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
2. SEE DETOUR PLAN AND PROFILE SHEET FOR RAMP 35S-BB DETOUR FOR MORE DETAILS.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

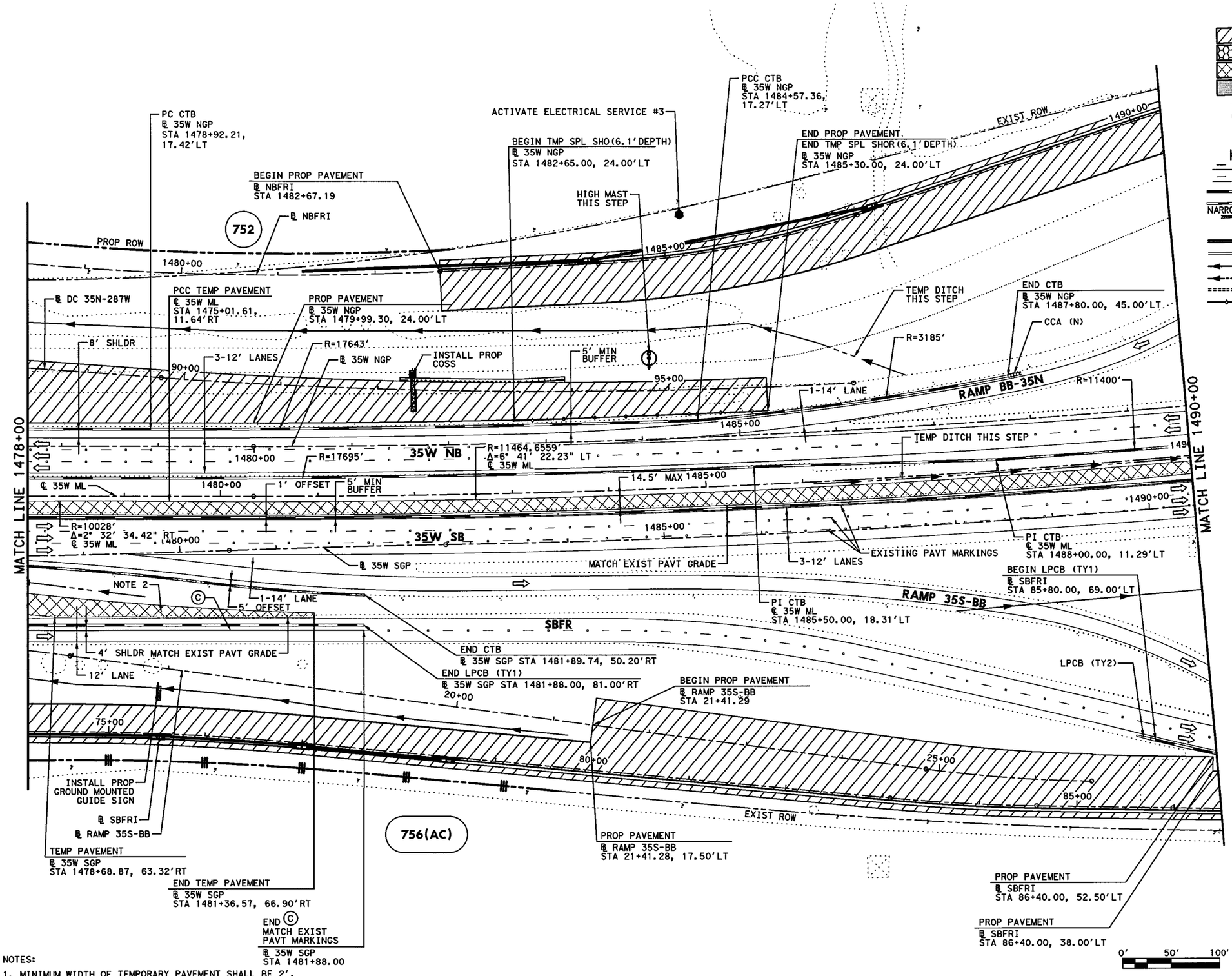
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

SCALE 1" = 100' SHEET 9 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 217 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_09.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:
1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
2. SEE DETOUR PLAN AND PROFILE SHEET FOR RAMP 35W SB-BB DETOUR FOR MORE DETAILS.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

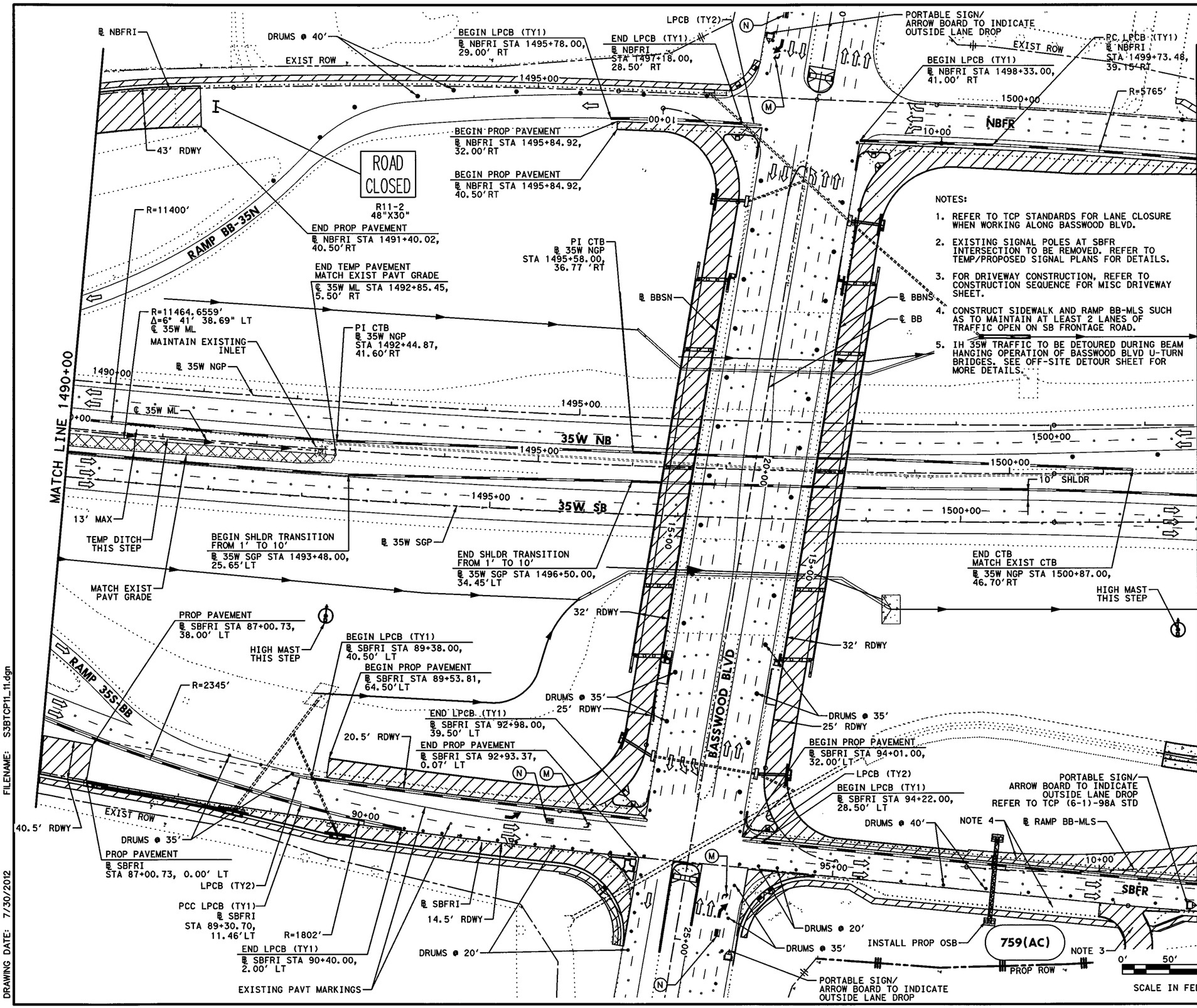
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

SCALE 1" = 100' SHEET 10 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 218 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_10.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. REFER TO TCP STANDARDS FOR LANE CLOSURE WHEN WORKING ALONG BASSWOOD BLVD.
2. EXISTING SIGNAL POLES AT SBFR INTERSECTION TO BE REMOVED. REFER TO TEMP/PROPOSED SIGNAL PLANS FOR DETAILS.
3. FOR DRIVEWAY CONSTRUCTION, REFER TO CONSTRUCTION SEQUENCE FOR MISC DRIVEWAY SHEET.
4. CONSTRUCT SIDEWALK AND RAMP BB-MLS SUCH AS TO MAINTAIN AT LEAST 2 LANES OF TRAFFIC OPEN ON SB FRONTAGE ROAD.
5. IH 35W TRAFFIC TO BE DETOURED DURING BEAM HANGING OPERATION OF BASSWOOD BLVD U-TURN BRIDGES. SEE OFF-SITE DETOUR SHEET FOR MORE DETAILS.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

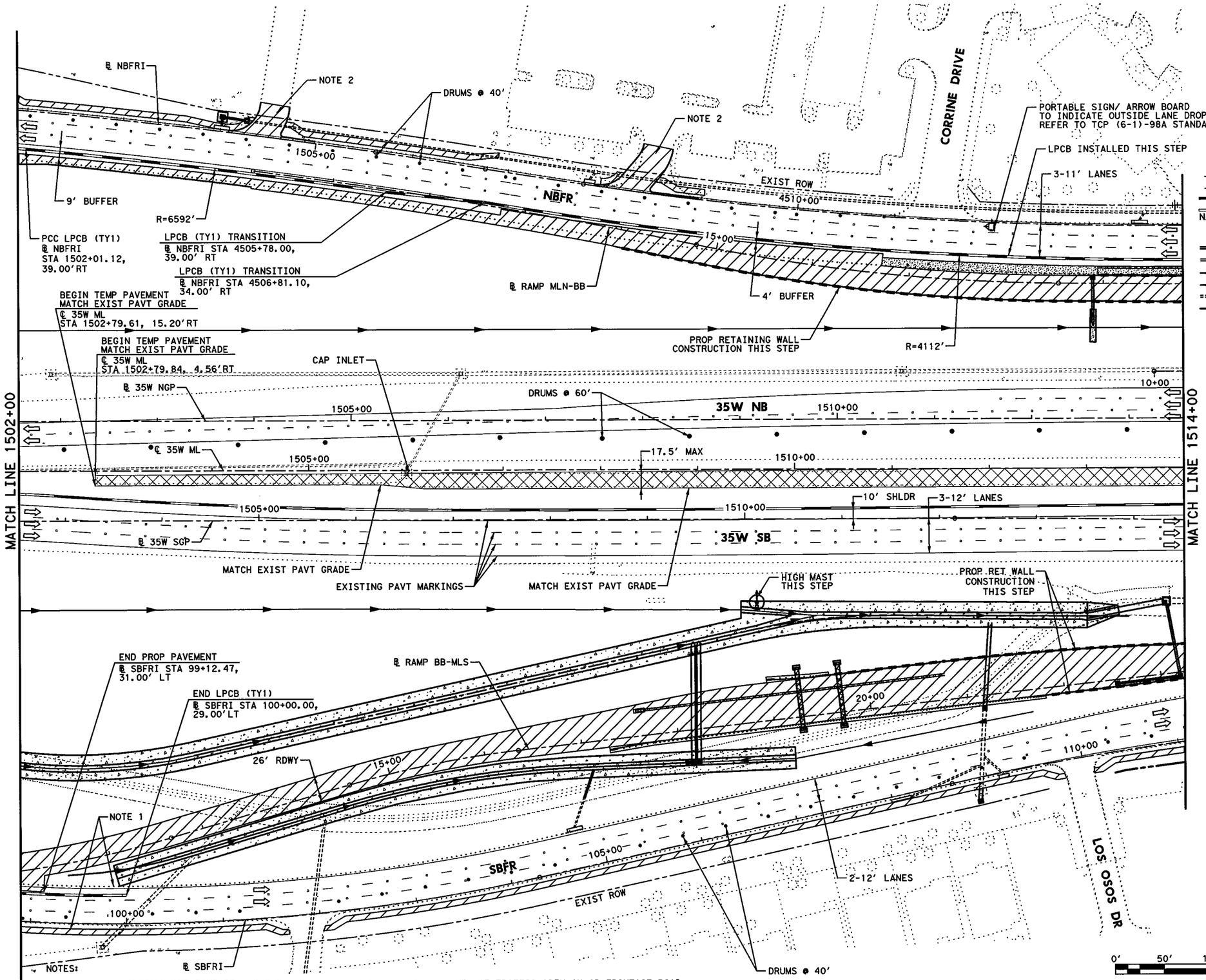
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 1

SCALE 1" = 100' SHEET 11 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 219 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_11.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. CONSTRUCT SIDEWALK AND RAMP BB-MLS SUCH AS TO MAINTAIN AT LEAST 2 LANES OF TRAFFIC OPEN ON SB FRONTAGE ROAD.
2. FOR DRIVEWAY CONSTRUCTION, REFER TO CONSTRUCTION SEQUENCE FOR MISC DRIVEWAY SHEET.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

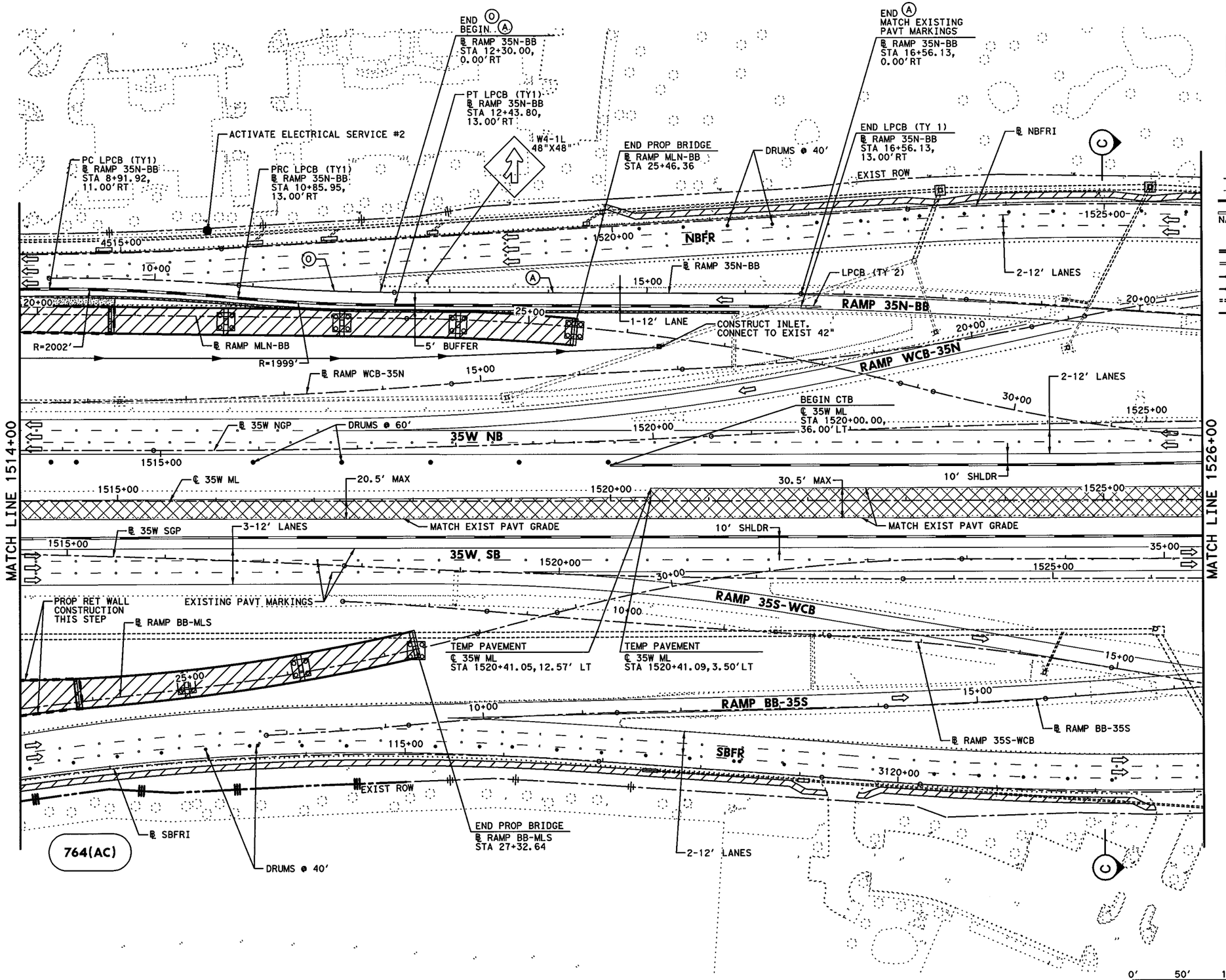
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

SCALE 1" = 100' SHEET 12 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 220 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_12.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

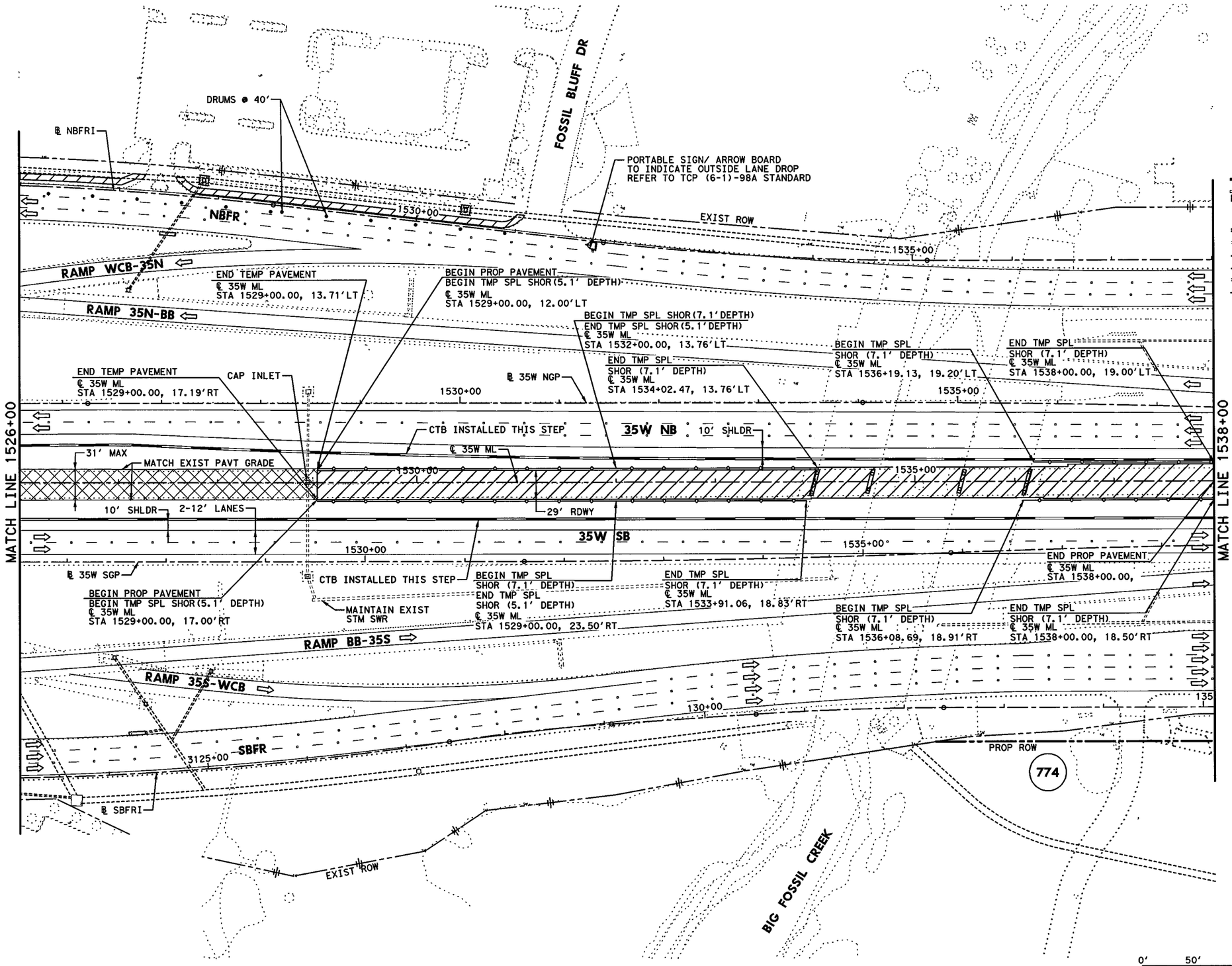
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 1

SCALE 1" = 100' — SHEET 13 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 221 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP11_13.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

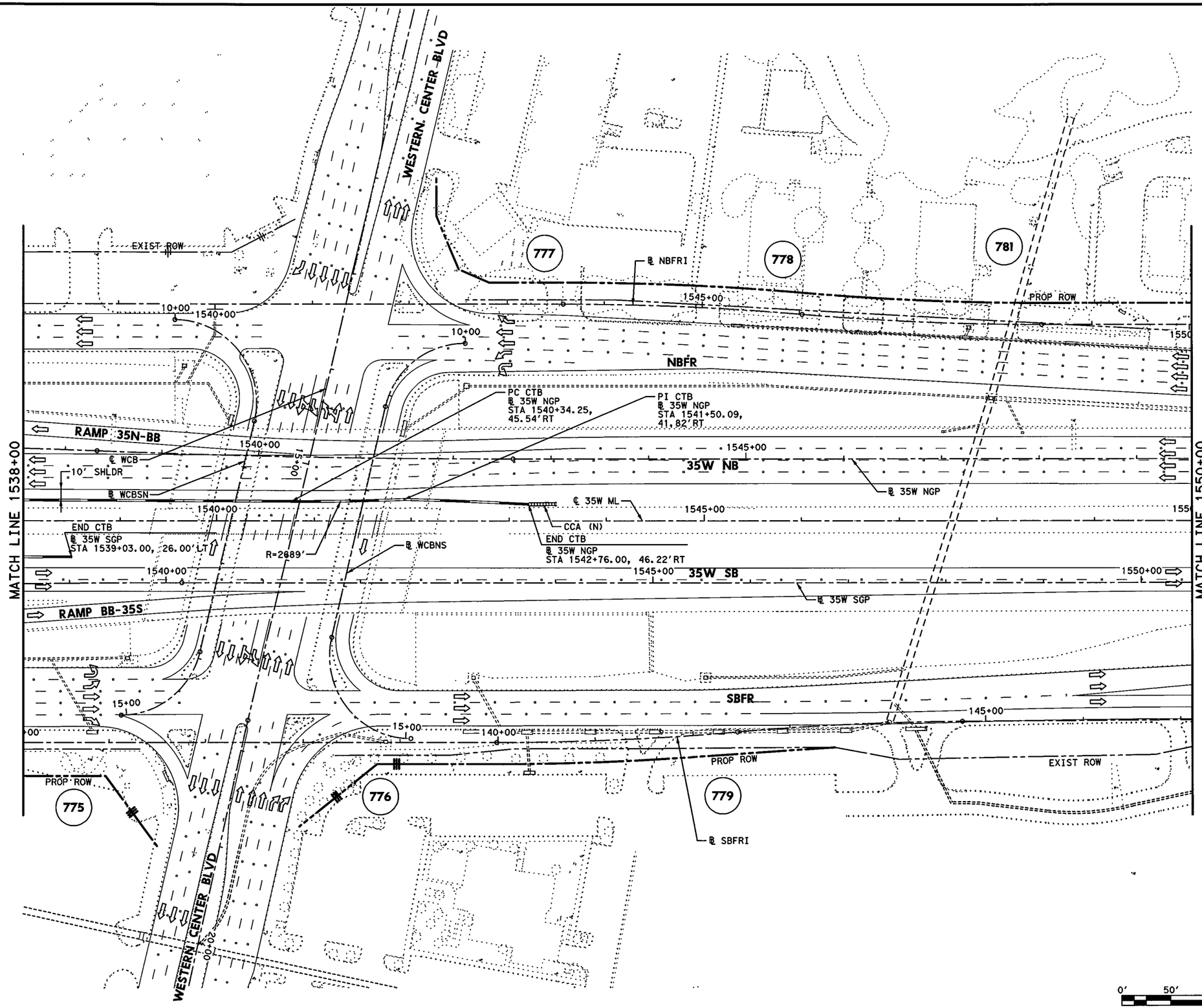
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

SCALE 1" = 100' SHEET 14 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 222 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_14.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 1

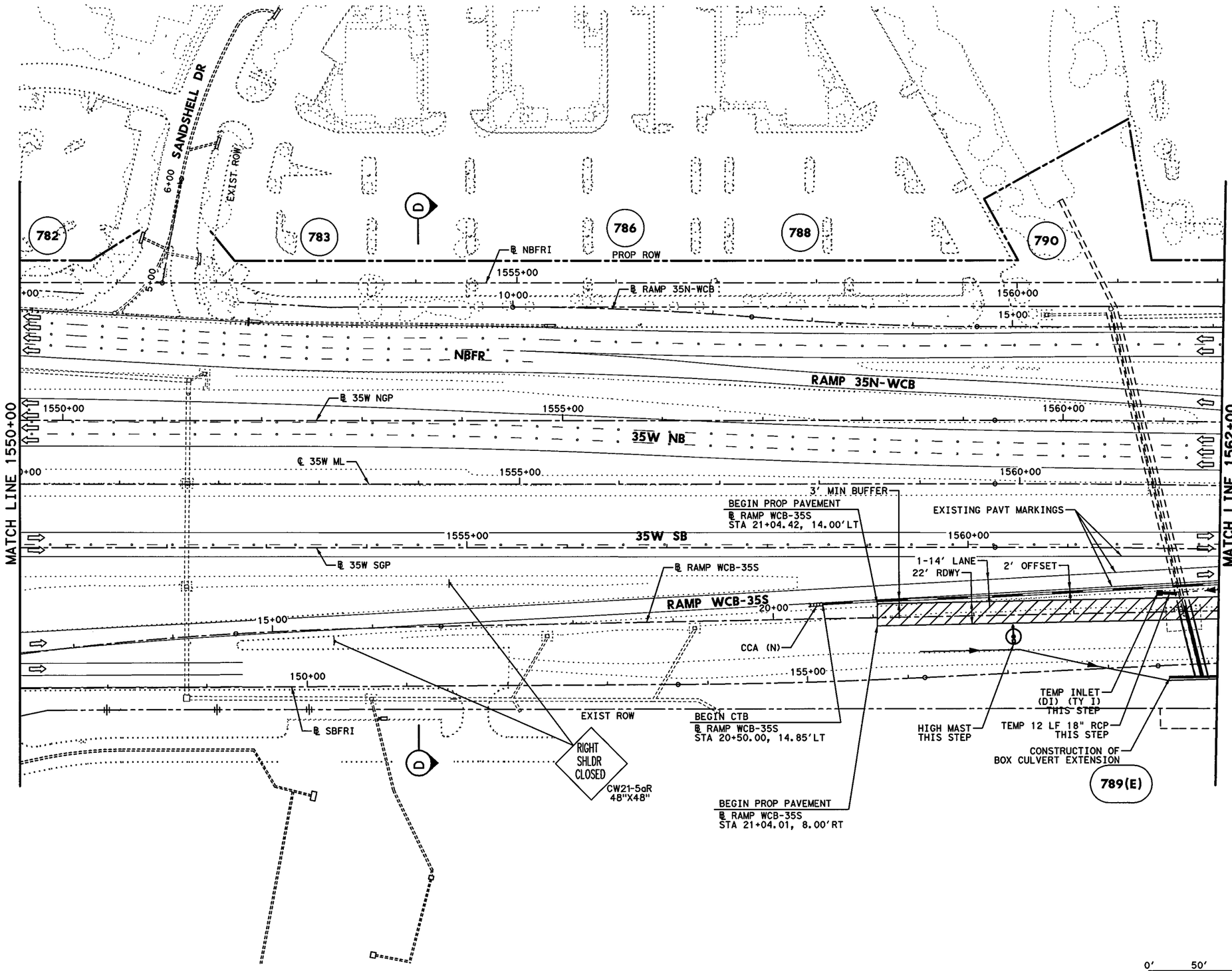
SCALE 1" = 100'

SHEET 15 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 223 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_15.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 1

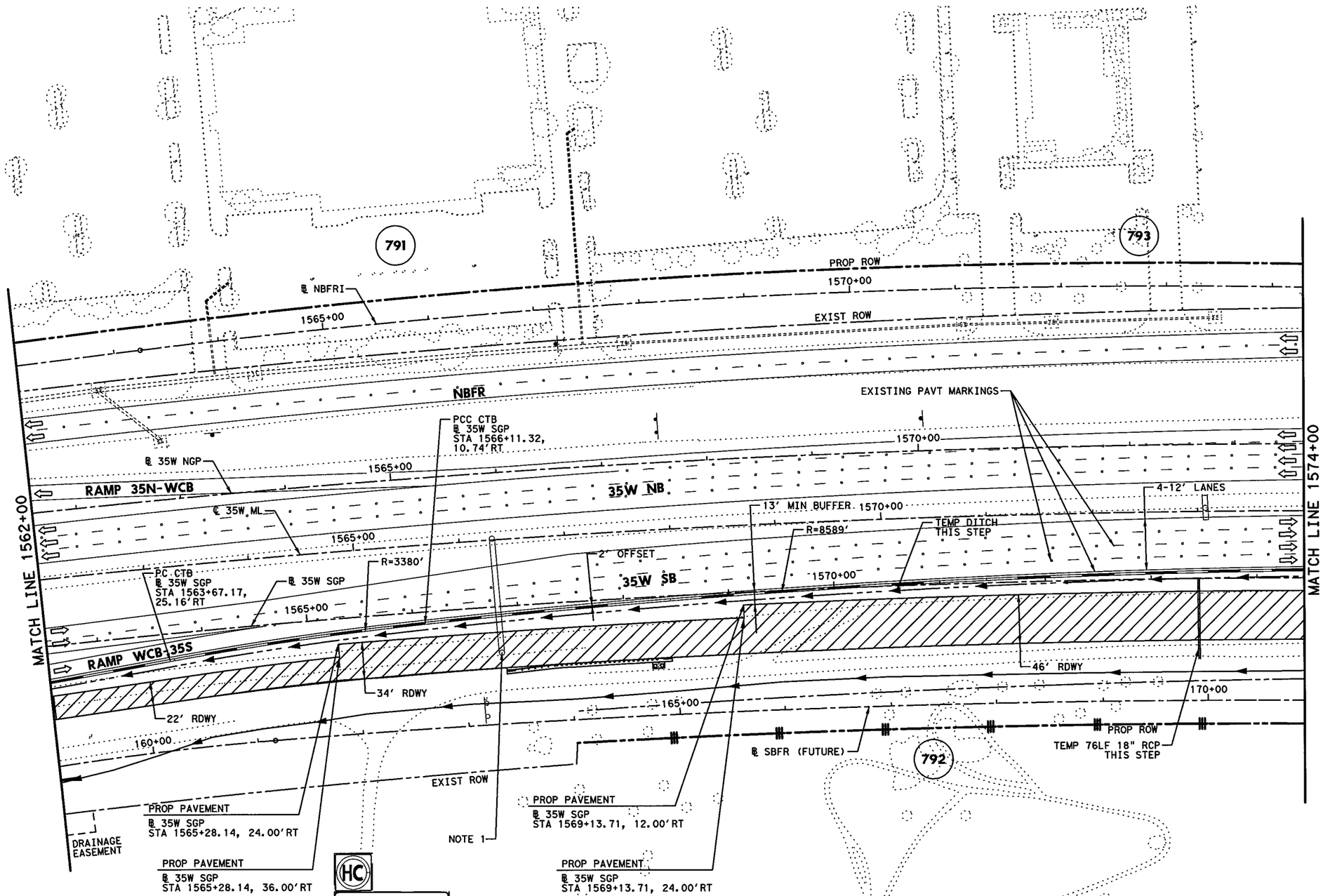
SCALE 1" = 100'

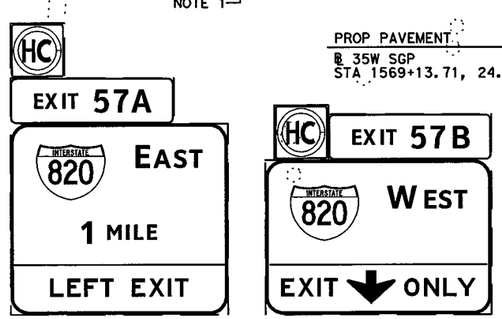
SHEET 16 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 224 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_16.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. EXIST OSB AND GUIDE SIGN PANELS TO BE REMOVED.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

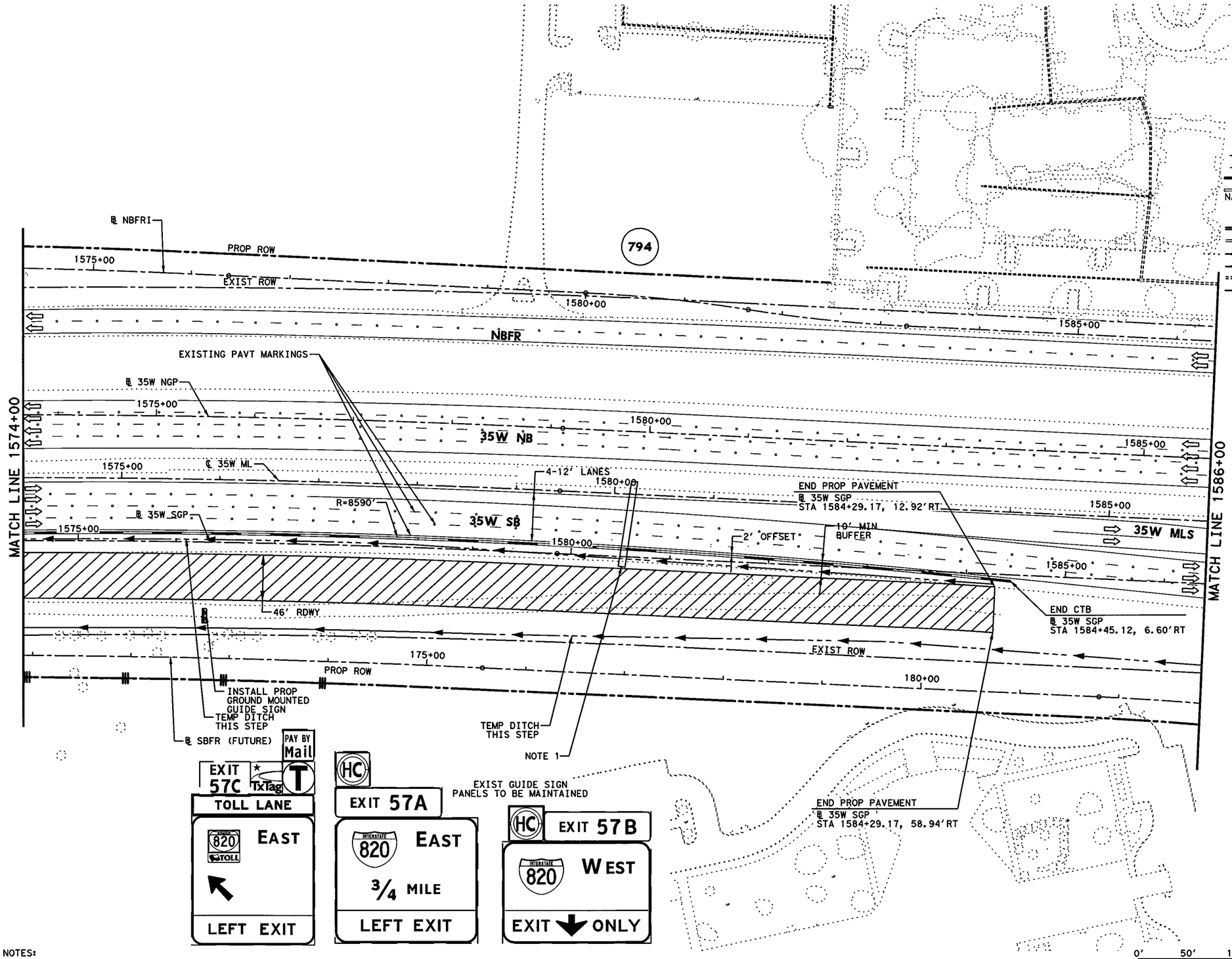
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

SCALE 1" = 100' SHEET 17 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 225 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_17.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. MAINTAIN EXISTING OSB AND GUIDE SIGN PANELS PLACED BY SEGMENT 1 ADVANCED PACKAGE.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

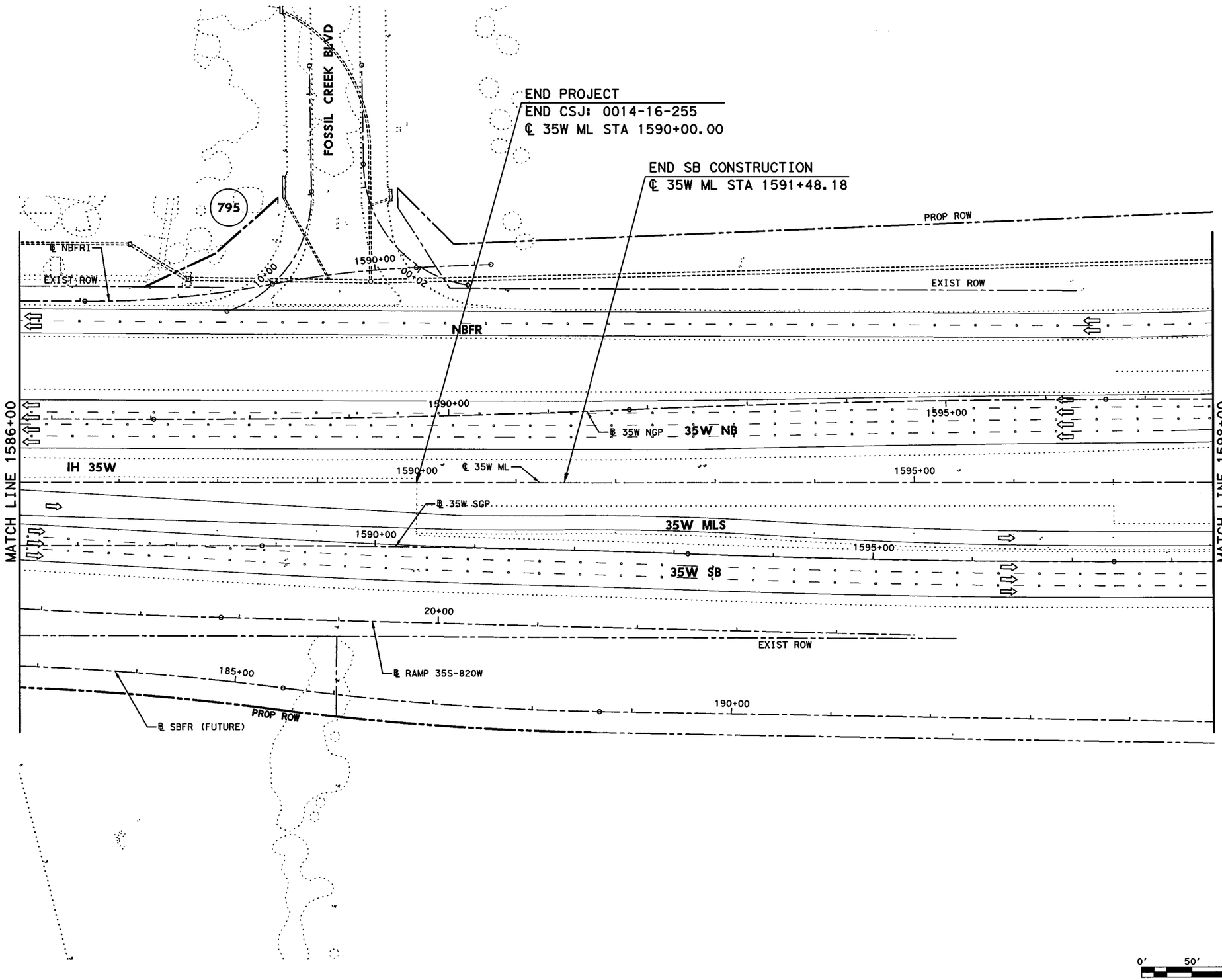
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

SCALE 1" = 100' SHEET 18 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 226 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_18.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

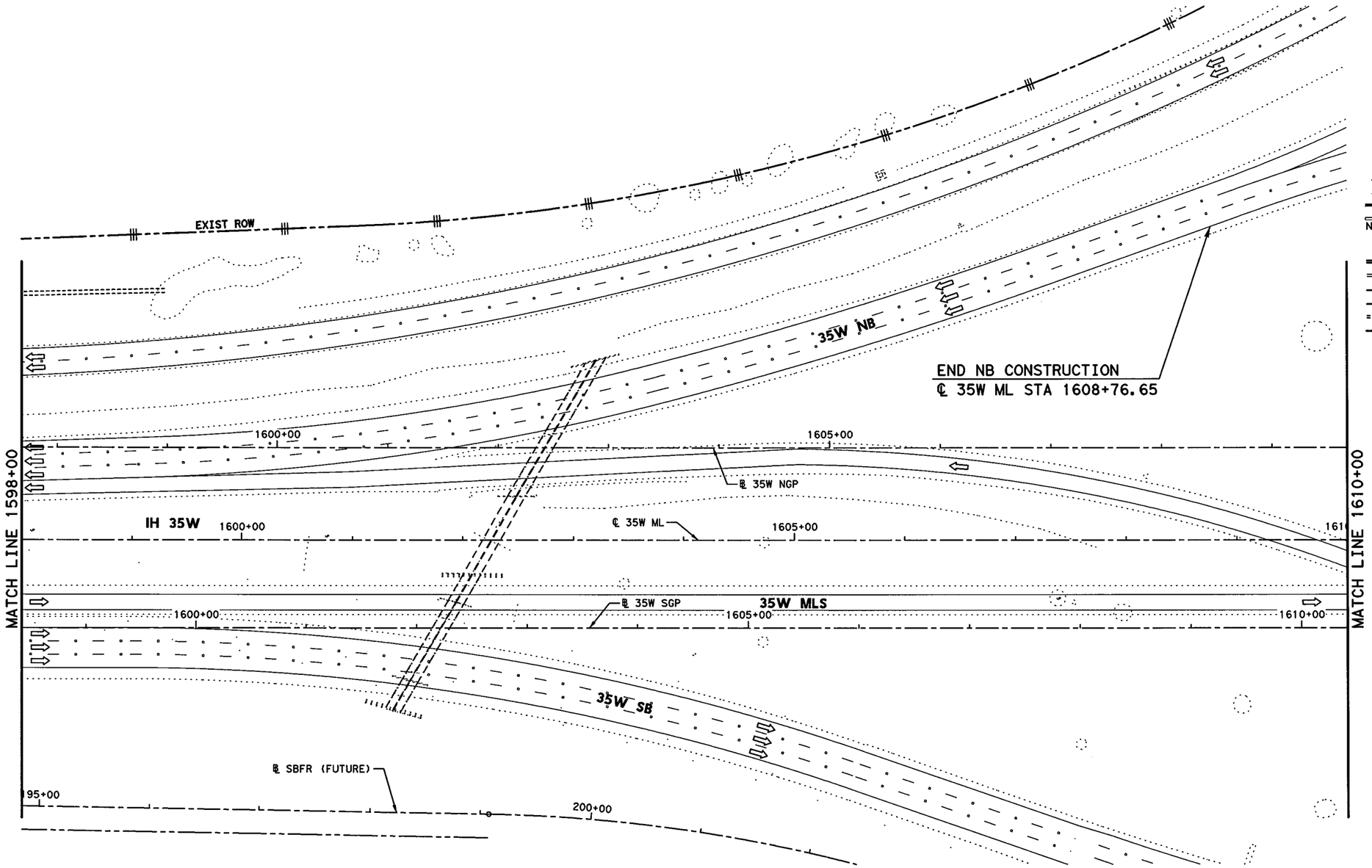
**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 227 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_19.dgn
DRAWING DATE: 7/30/2012




0' 50' 100'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

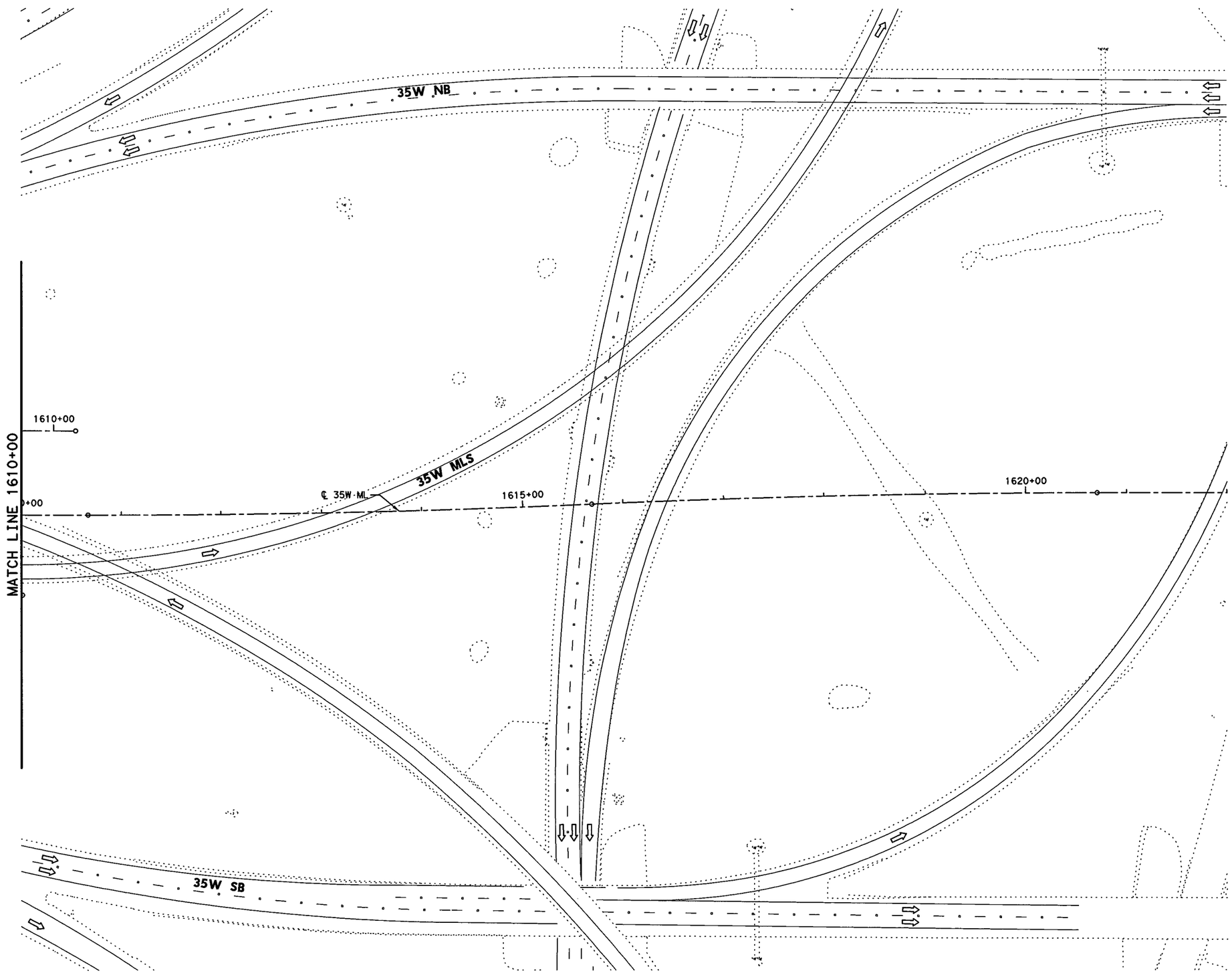
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

SCALE 1" = 100'
SHEET 20 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 228 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S38TCP11_20.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 1

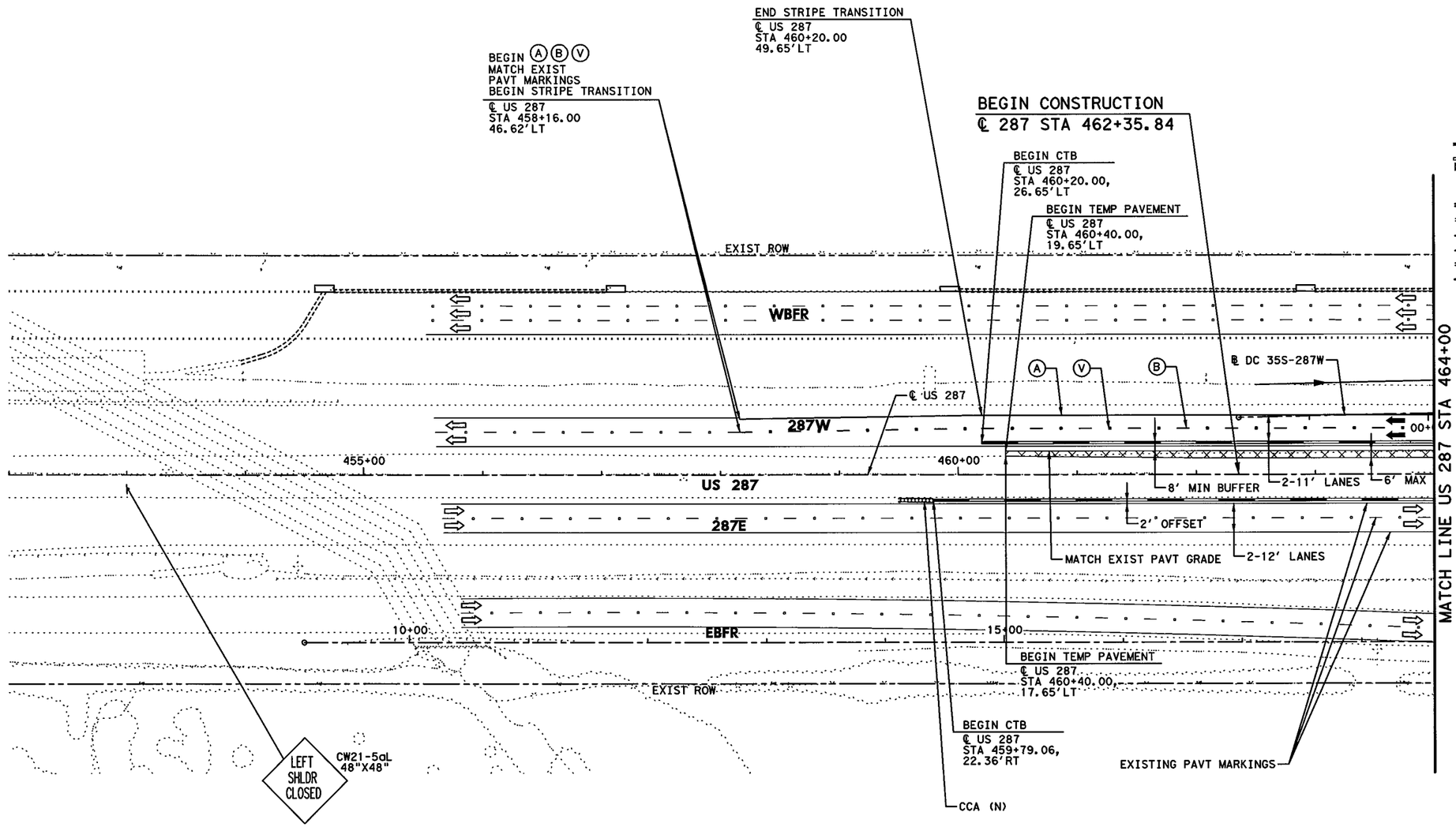
SCALE 1" = 100'

SHEET 21 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 229 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP11_21.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:
1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

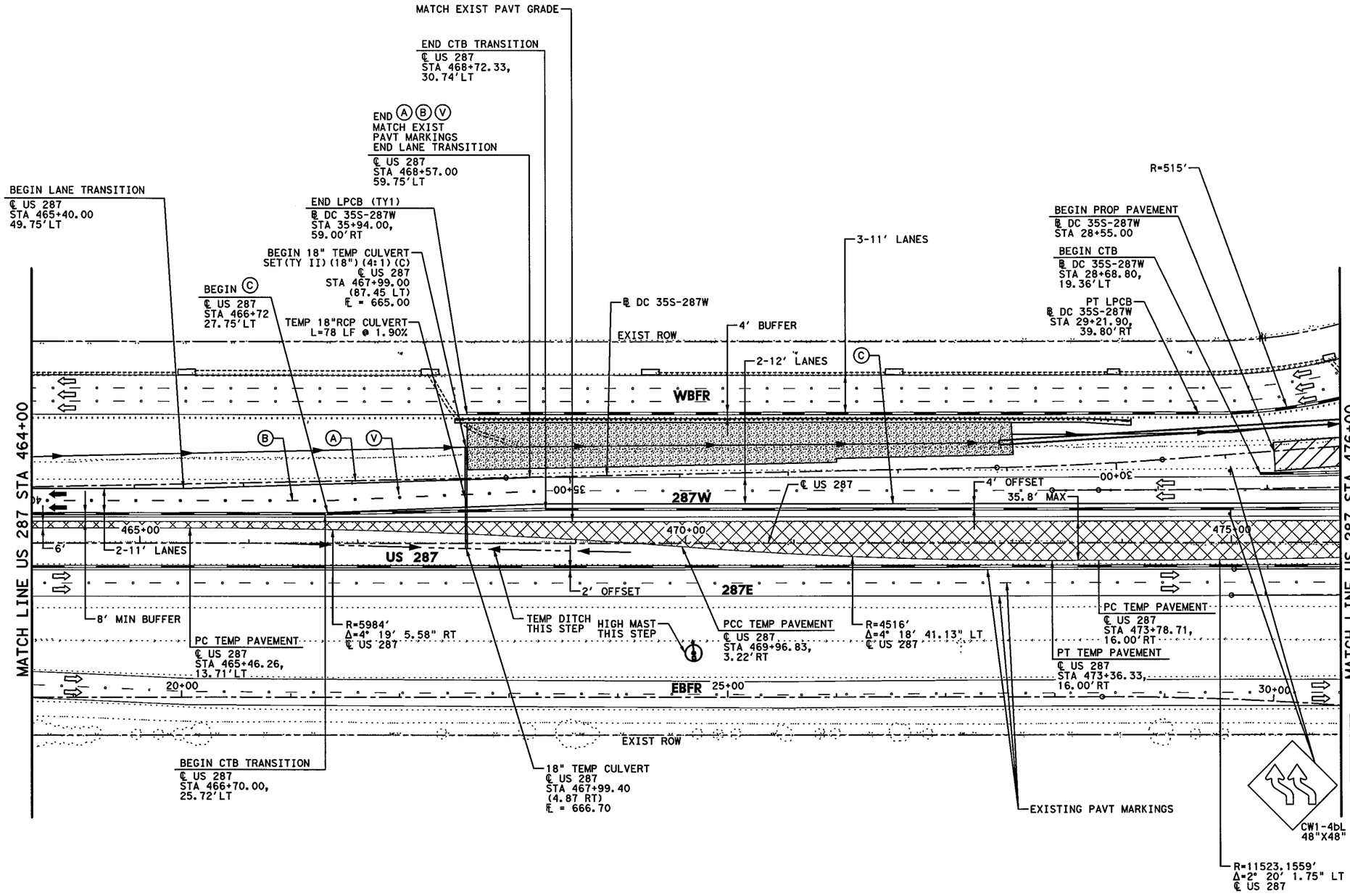
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

SCALE 1" = 100' SHEET 22 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 230 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP11_22.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:
1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

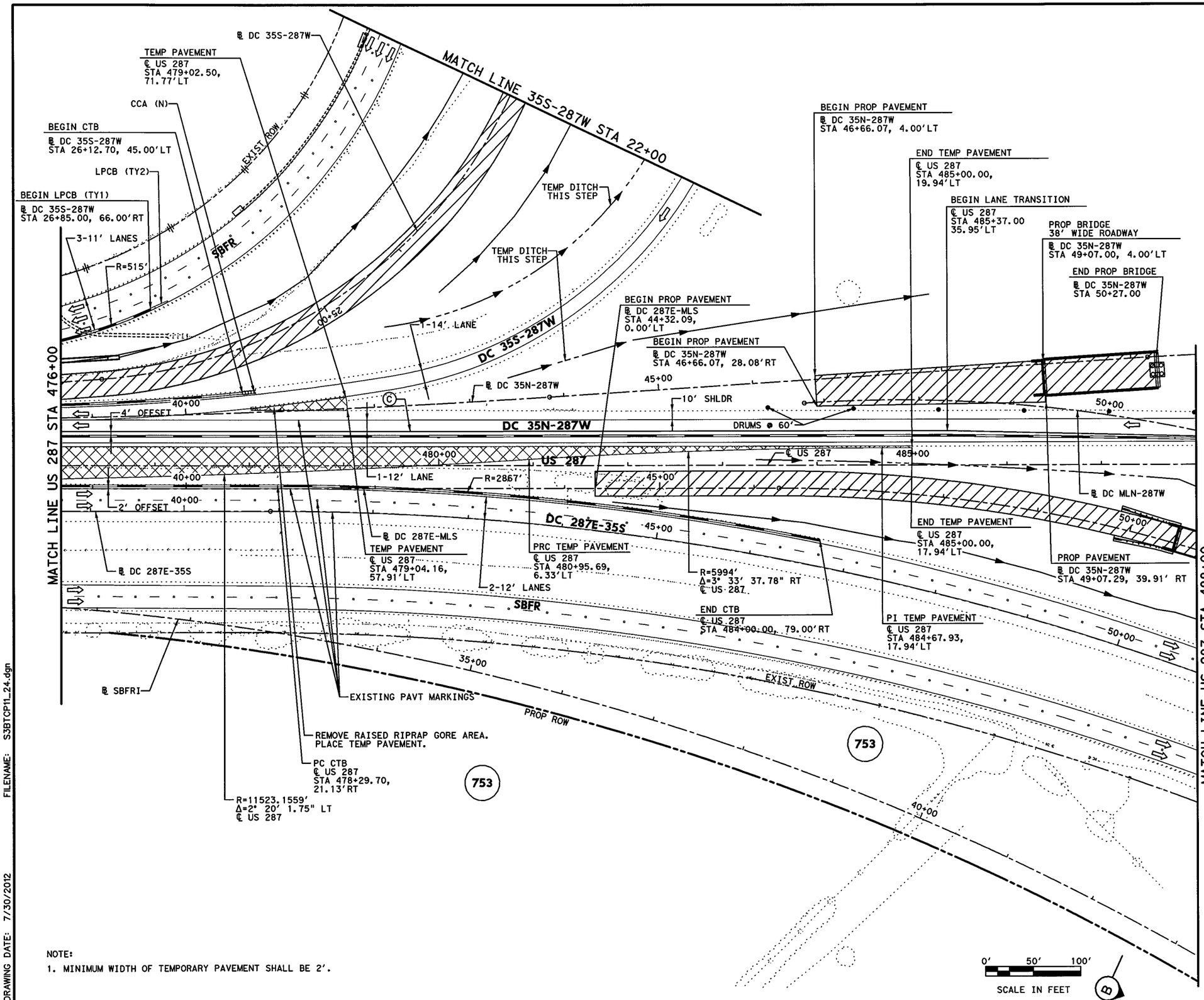
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 1**

SCALE 1" = 100' SHEET 23 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 231 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP11_23.dgn
DRAWING DATE: 7/30/2012




NOTE:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
W. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

W. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

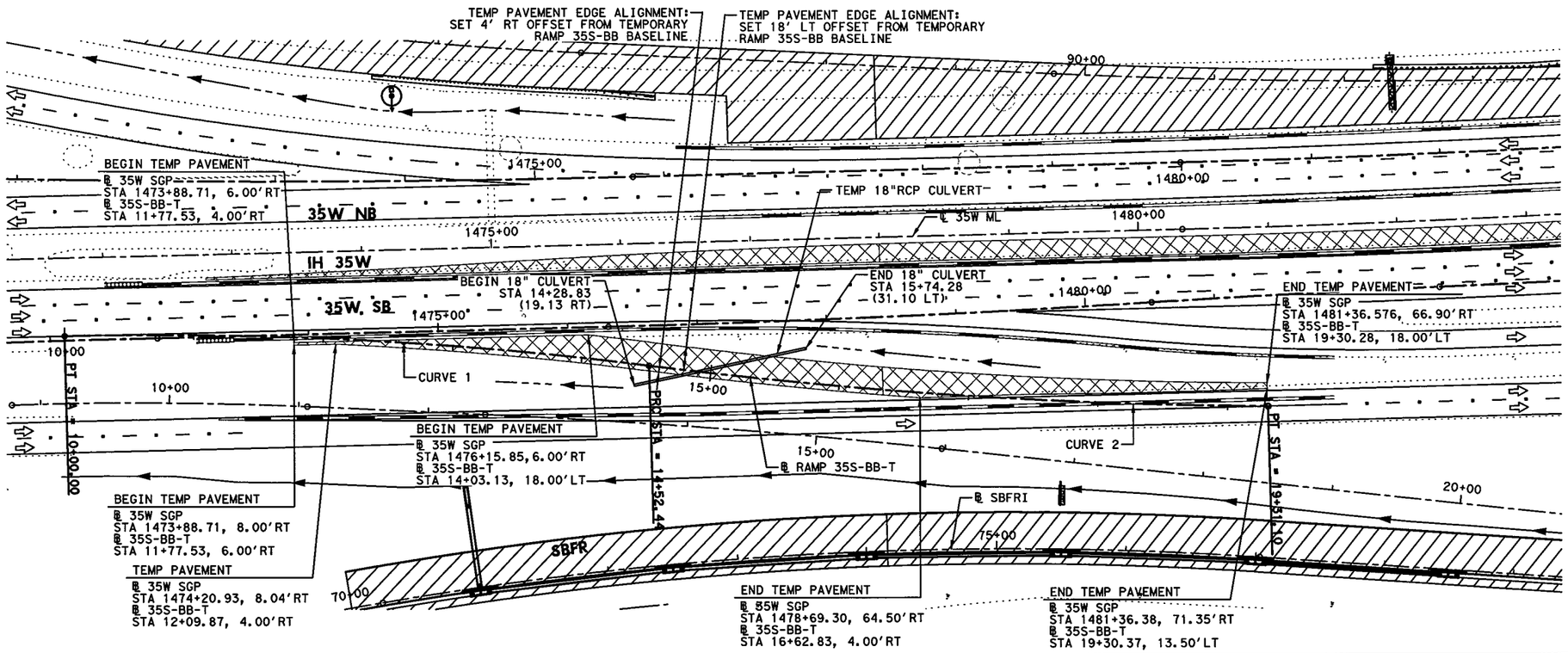
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 1

SCALE 1" = 100' SHEET 24 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 232 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP11_24.dgn
DRAWING DATE: 7/30/2012

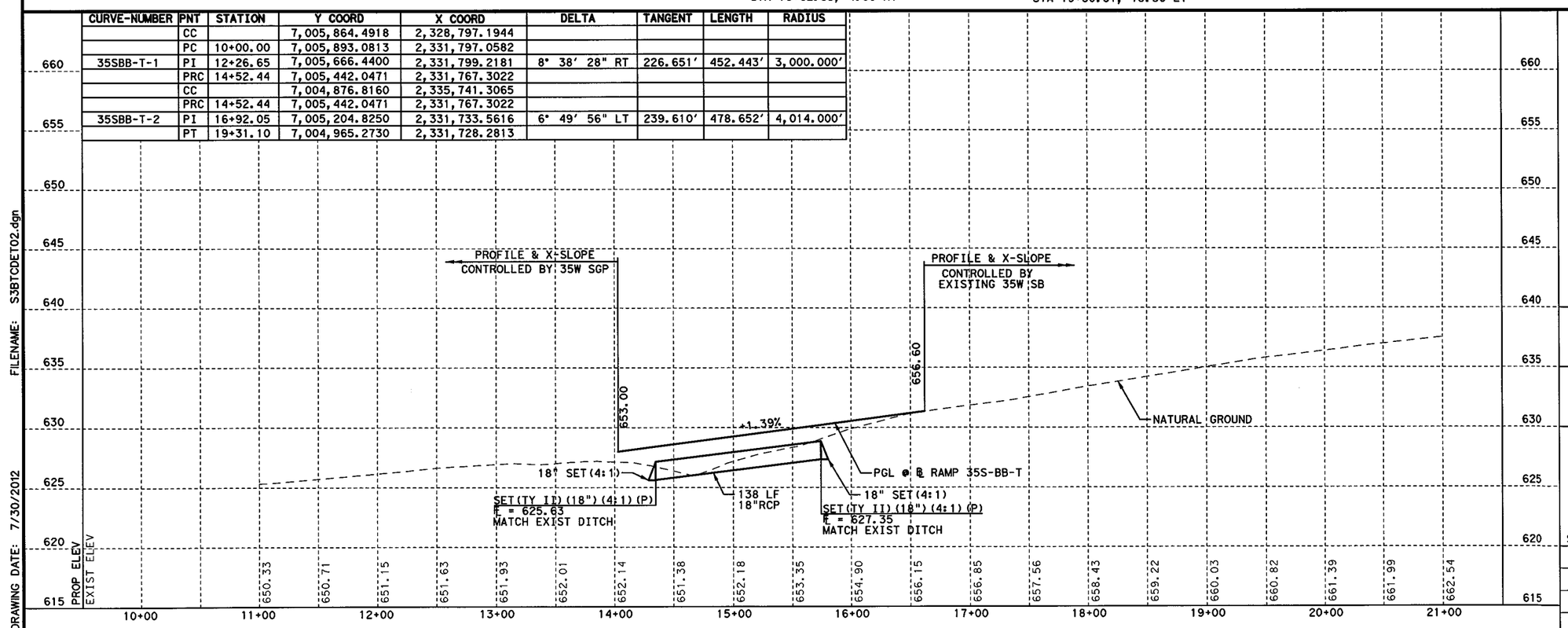



HORZ 0' 25' 50' 100'
VERT 0' 5' 10'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- NEW PAVEMENT OPEN TO TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- PORTABLE SIGN/ARROW BOARD
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

| CURVE-NUMBER | PNT | STATION | Y COORD | X COORD | DELTA | TANGENT | LENGTH | RADIUS |
|---|---|---|---|---|---|---|---|---|
| | CC | | 7,005,864.4918 | 2,328,797.1944 | | | | |
| | PC | 10+00.00 | 7,005,893.0813 | 2,331,797.0582 | | | | |
| 35SBB-T-1 | PI | 12+26.65 | 7,005,666.4400 | 2,331,799.2181 | 8° 38' 28" RT | 226.651' | 452.443' | 3,000.000' |
| | PRC | 14+52.44 | 7,005,442.0471 | 2,331,767.3022 | | | | |
| | CC | | 7,004,876.8160 | 2,335,741.3065 | | | | |
| | PRC | 14+52.44 | 7,005,442.0471 | 2,331,767.3022 | | | | |
| 35SBB-T-2 | PI | 16+92.05 | 7,005,204.8250 | 2,331,733.5616 | 6° 49' 56" LT | 239.610' | 478.652' | 4,014.000' |
| | PT | 19+31.10 | 7,004,965.2730 | 2,331,728.2813 | | | | |




STATE OF TEXAS
B. VANDERWALT
81580
LICENSED
PROFESSIONAL ENGINEER
B. Vanderwalt P.E.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

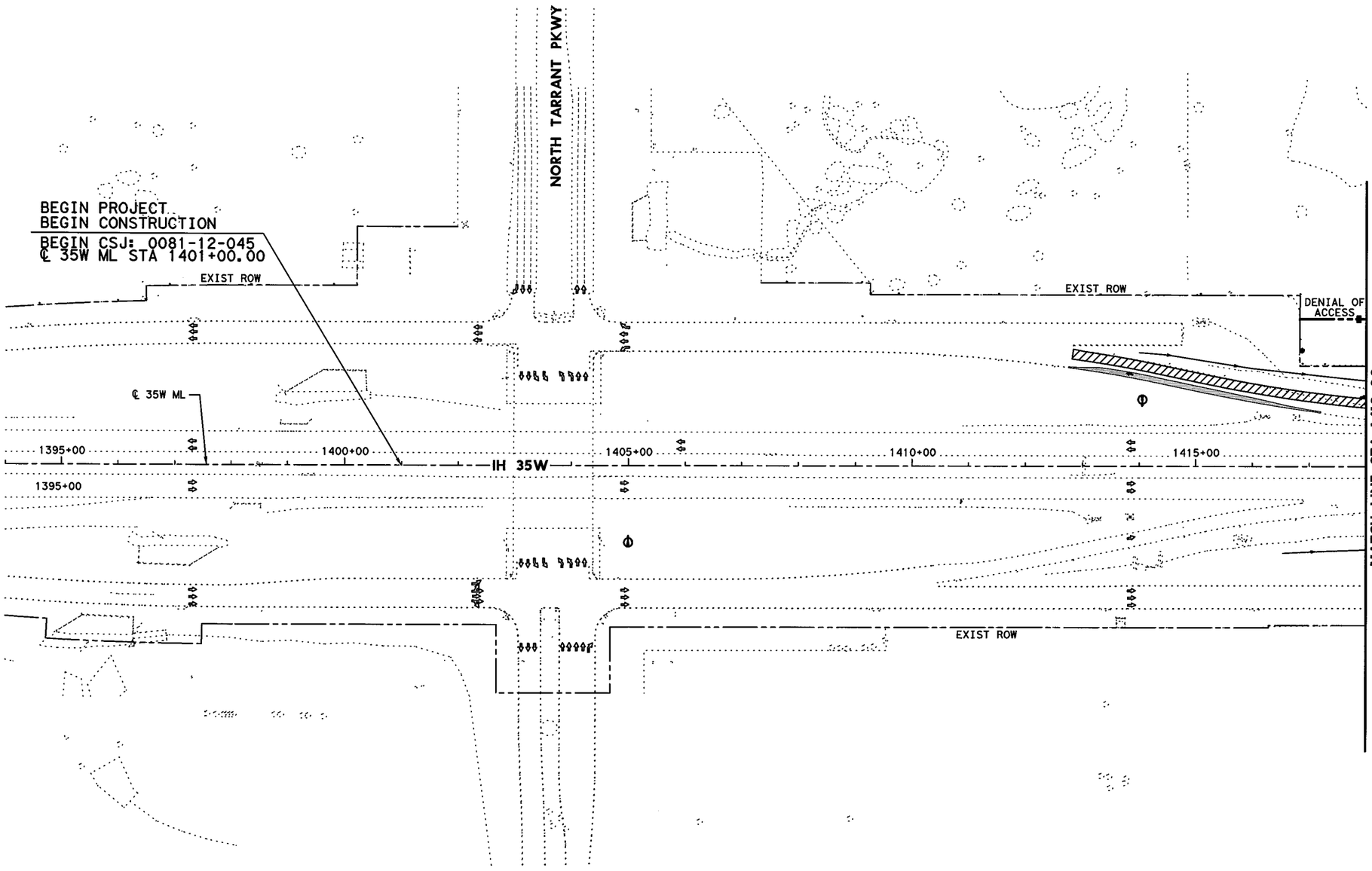
# DETOUR RAMP 35S-BB

SCALE 1" = 100'

SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 233 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCDET02.dgn
DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 1 STEP 2

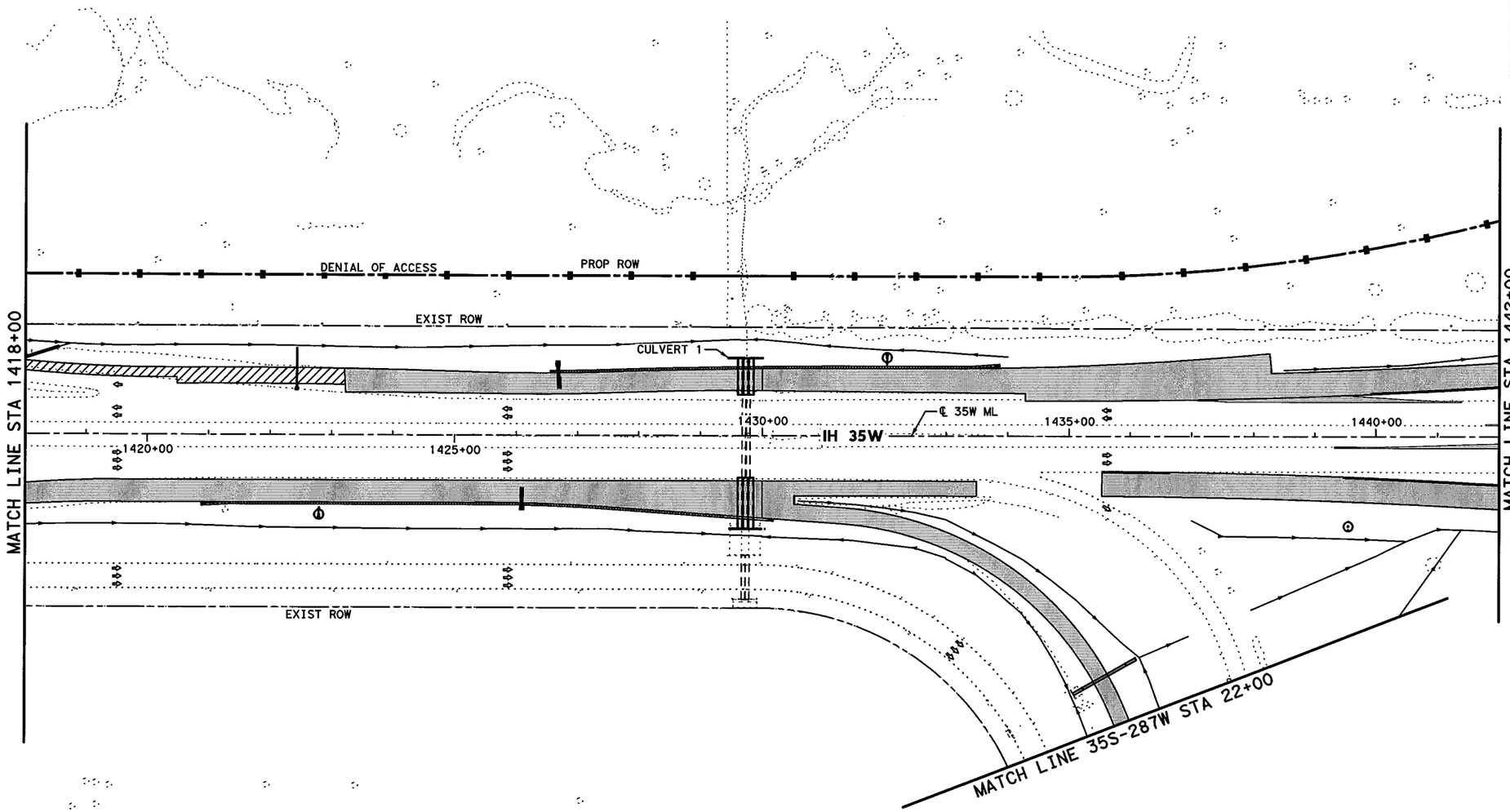
## BEGIN PROJECT TO STA 1418+00

SCALE: 1" = 200' SHEET 1 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 234 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL12_01.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 1 STEP 2**

**STA 1418+00 TO STA 1442+00**

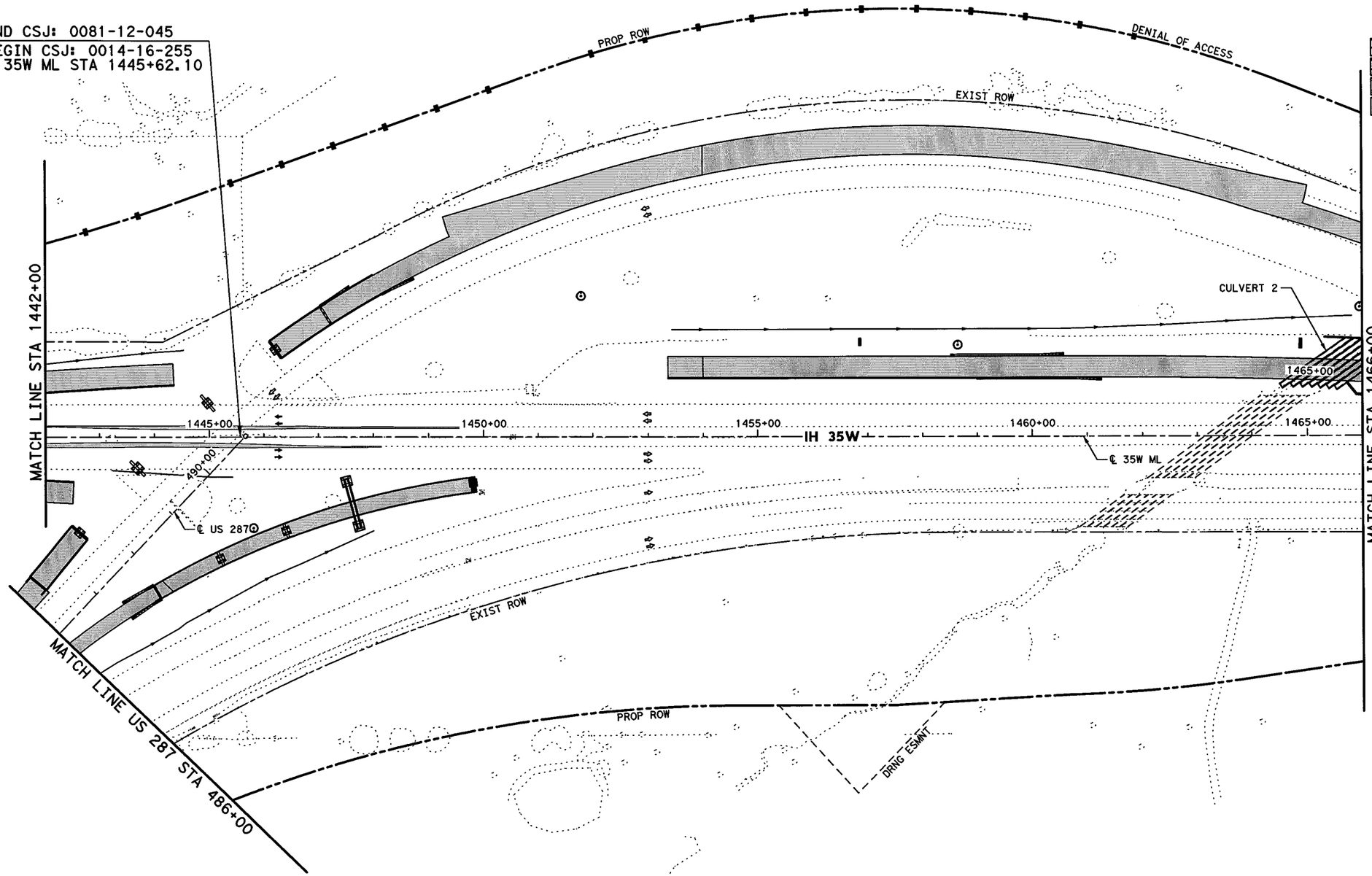
SCALE: 1" = 200' SHEET 2 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 235 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL12_02.dgn

DRAWING DATE: 7/29/2012

END CSJ: 0081-12-045
BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




0' 50' 100' 200'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

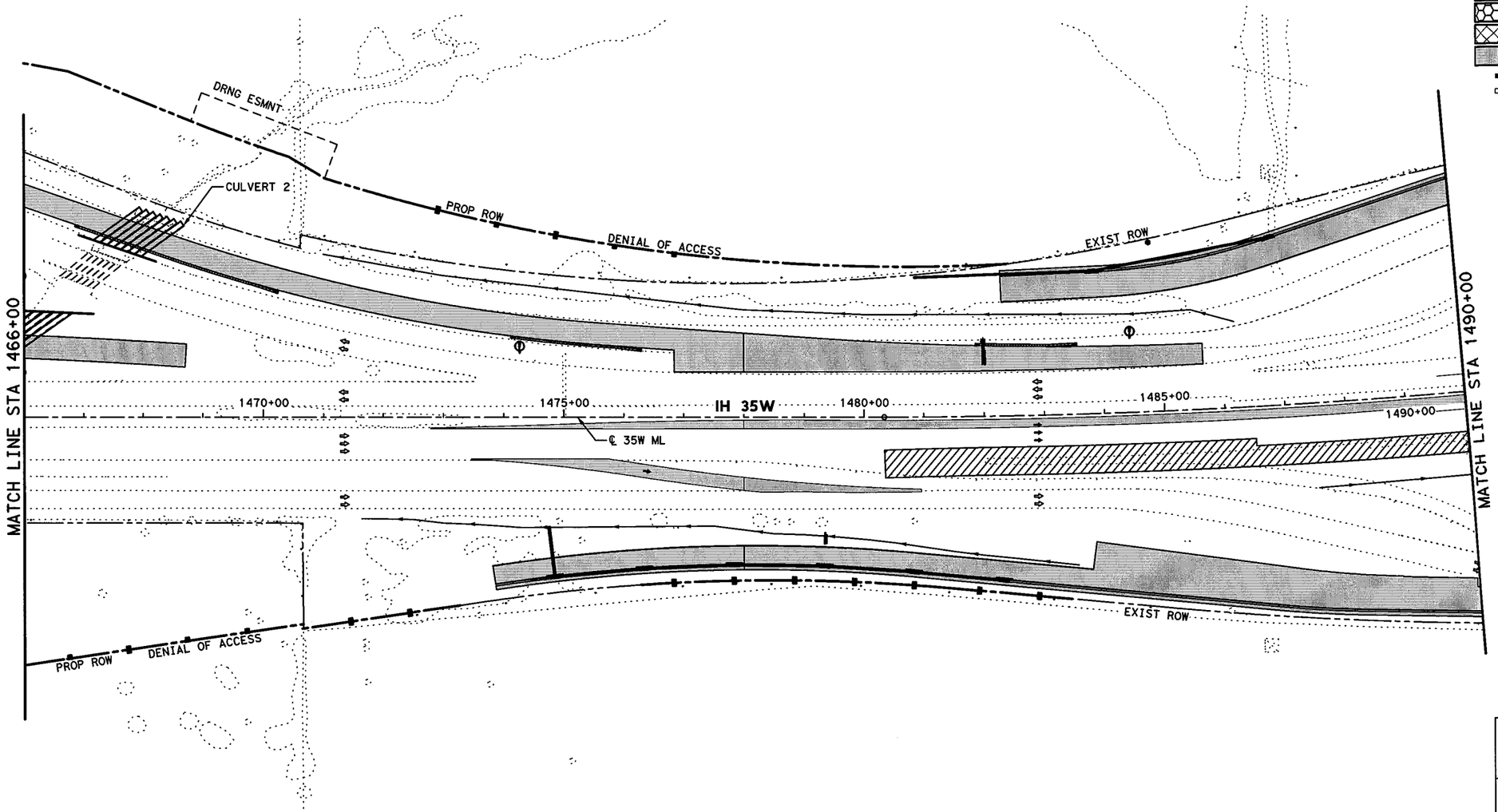
**PHASE 1 STEP 2**

**STA 1442+00 TO STA 1466+00**

SCALE: 1" = 200' SHEET 3 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 236 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL12_03.dgn
DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

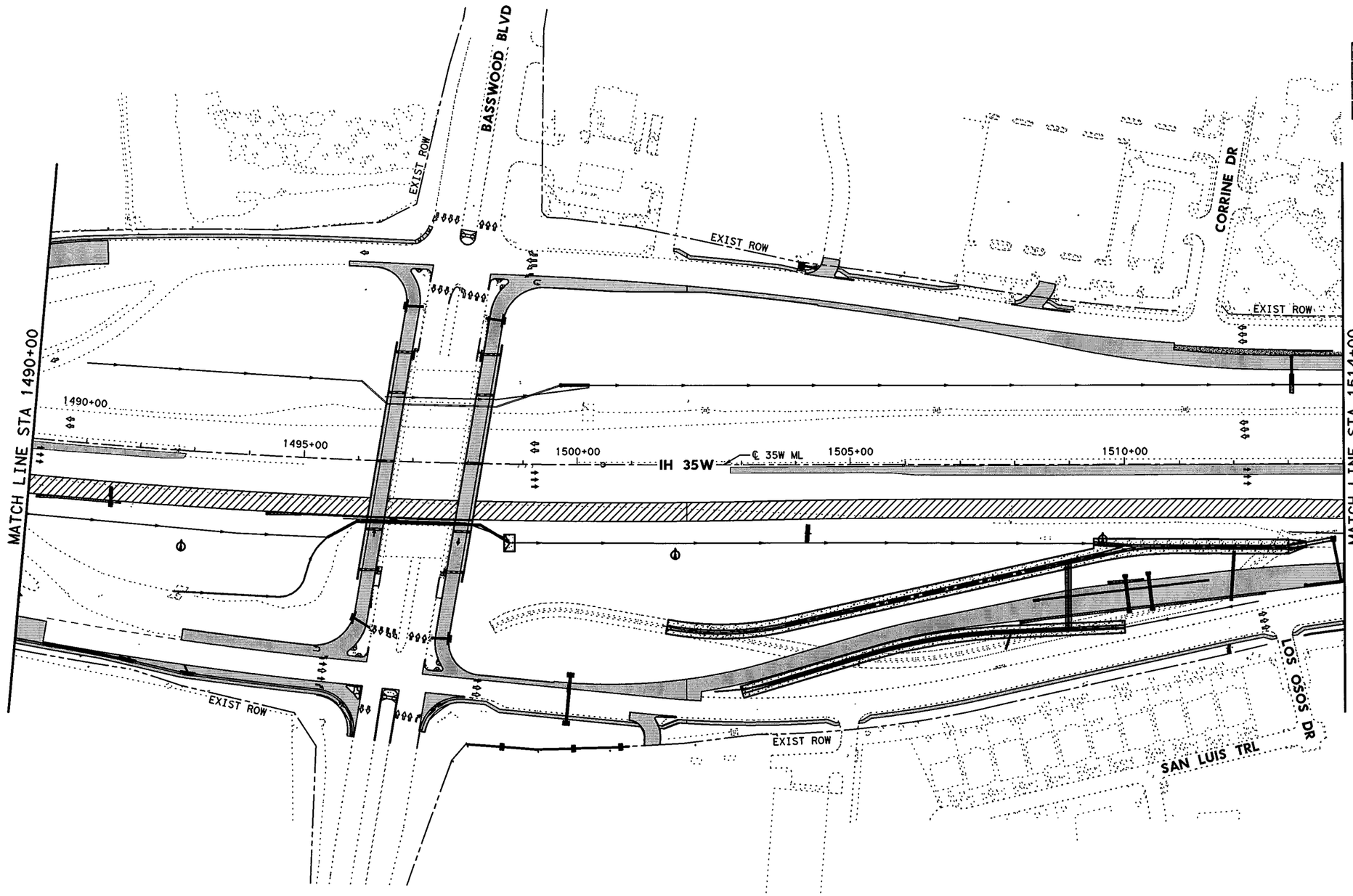
**PHASE 1 STEP 2**

**STA 1466+00 TO STA 1490+00**

SCALE: 1" = 200' SHEET 4 OF 10

| | | | | |
|---|---|---|---|---|
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 237 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL12_04.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 1 STEP 2

## STA 1490+00 TO STA 1514+00

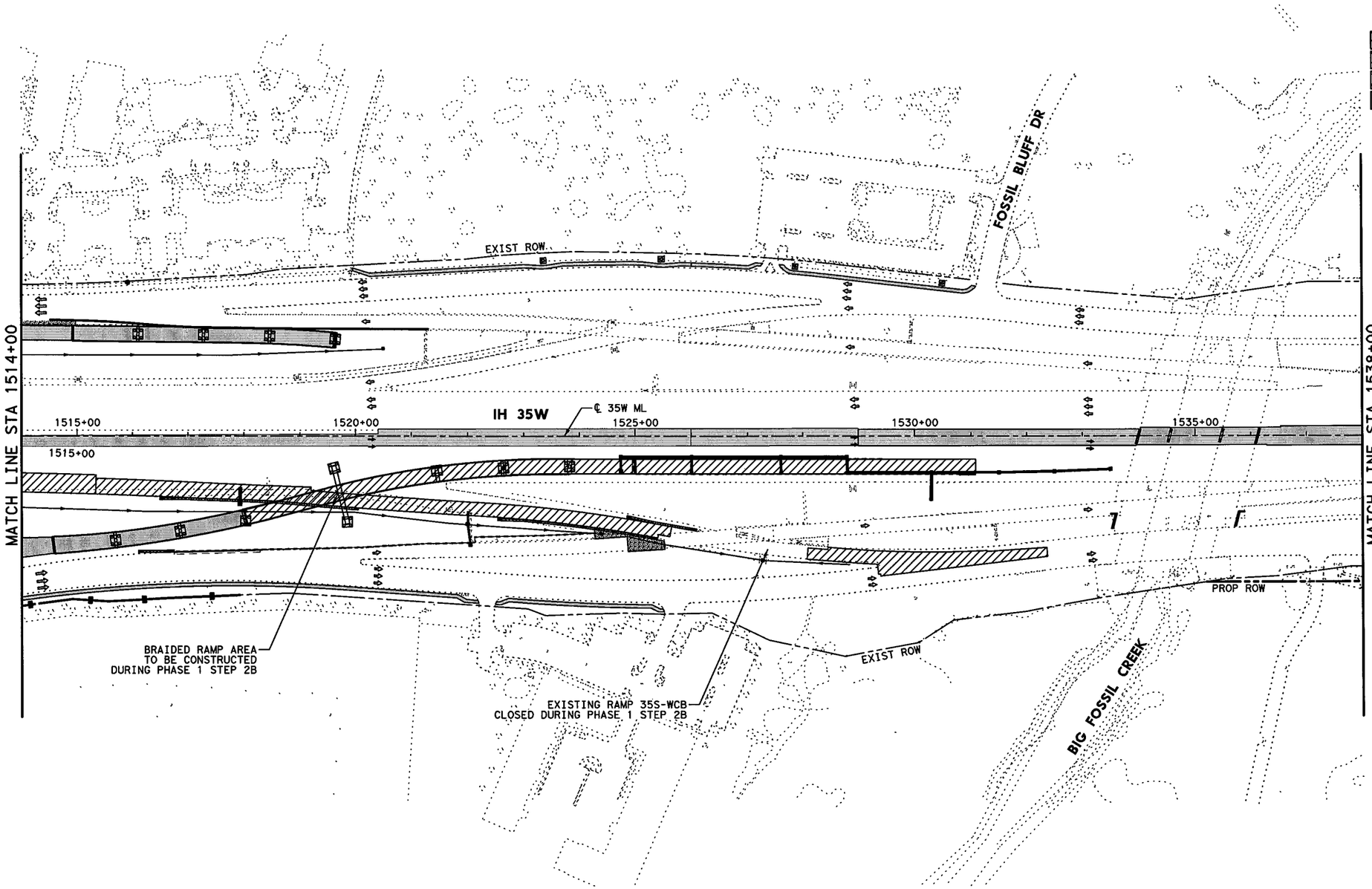
SCALE: 1" = 200'

SHEET 5 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 238 |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL12_05.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 1 STEP 2**

**STA 1514+00 TO STA 1538+00**

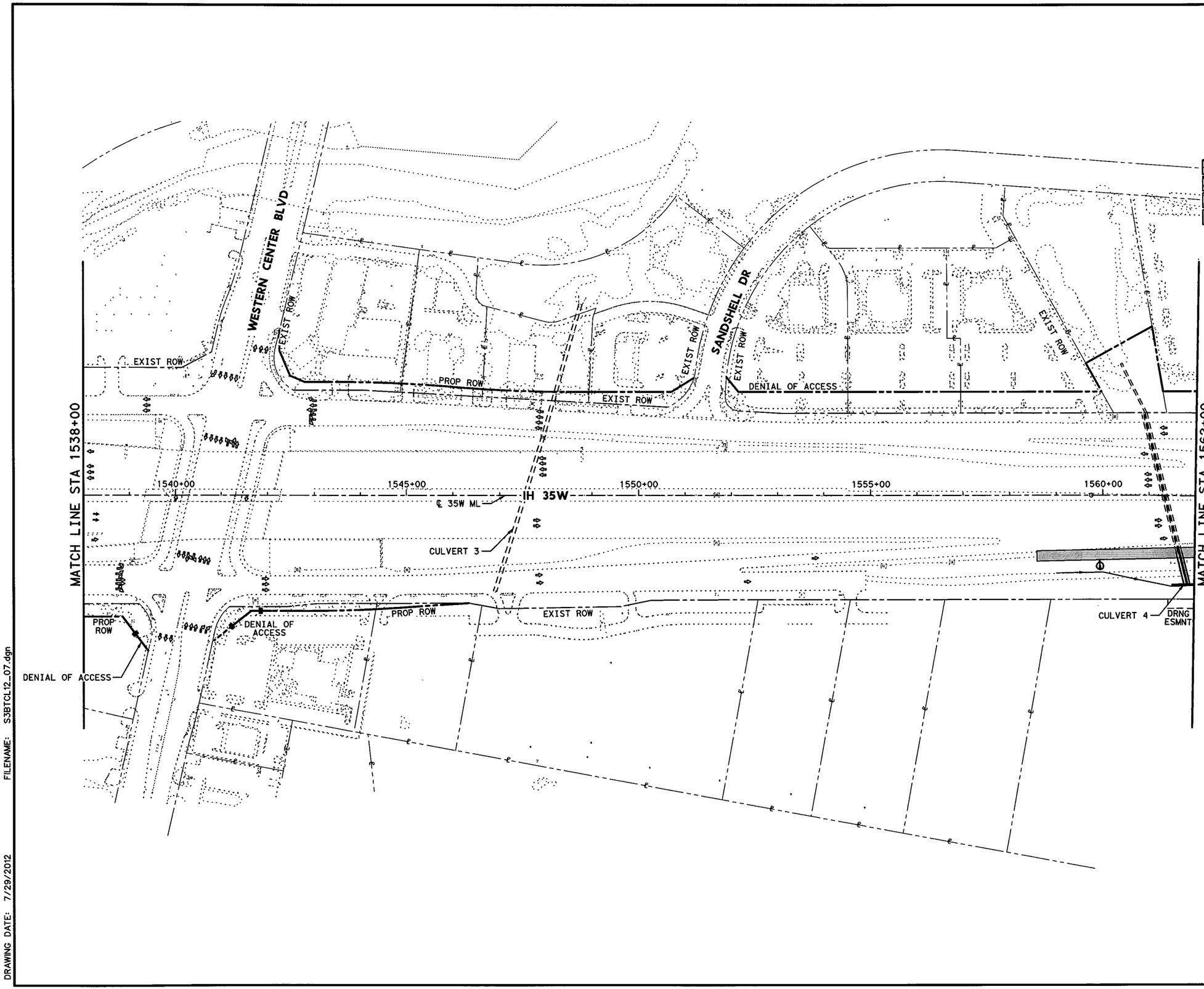
SCALE: 1" = 200'

SHEET 6 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 239 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL12_06.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 1 STEP 2

## STA 1538+00 TO STA 1562+00

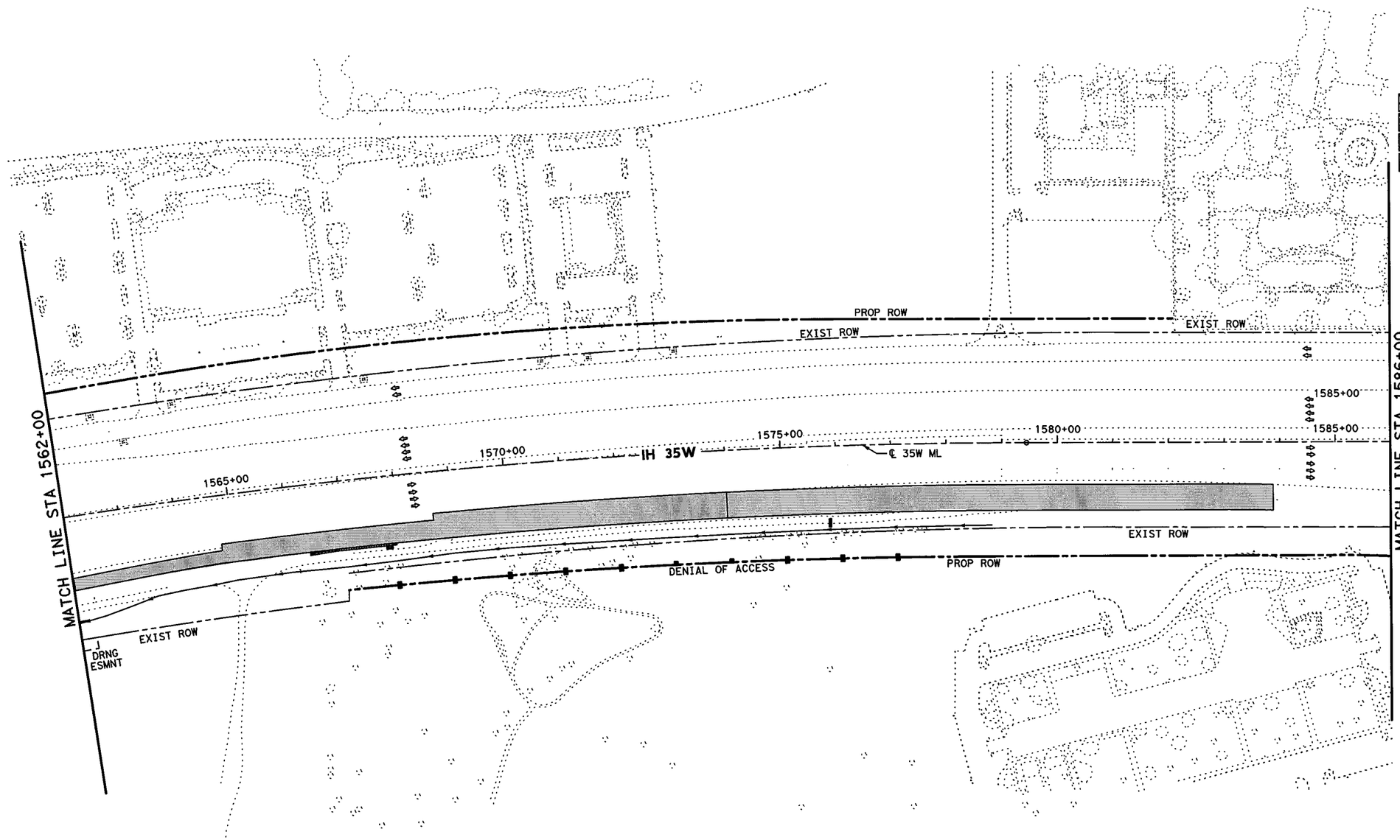
SCALE: 1" = 200'

SHEET 7 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 240 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL12_07.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 1 STEP 2**

**STA 1562+00 TO STA 1586+00**

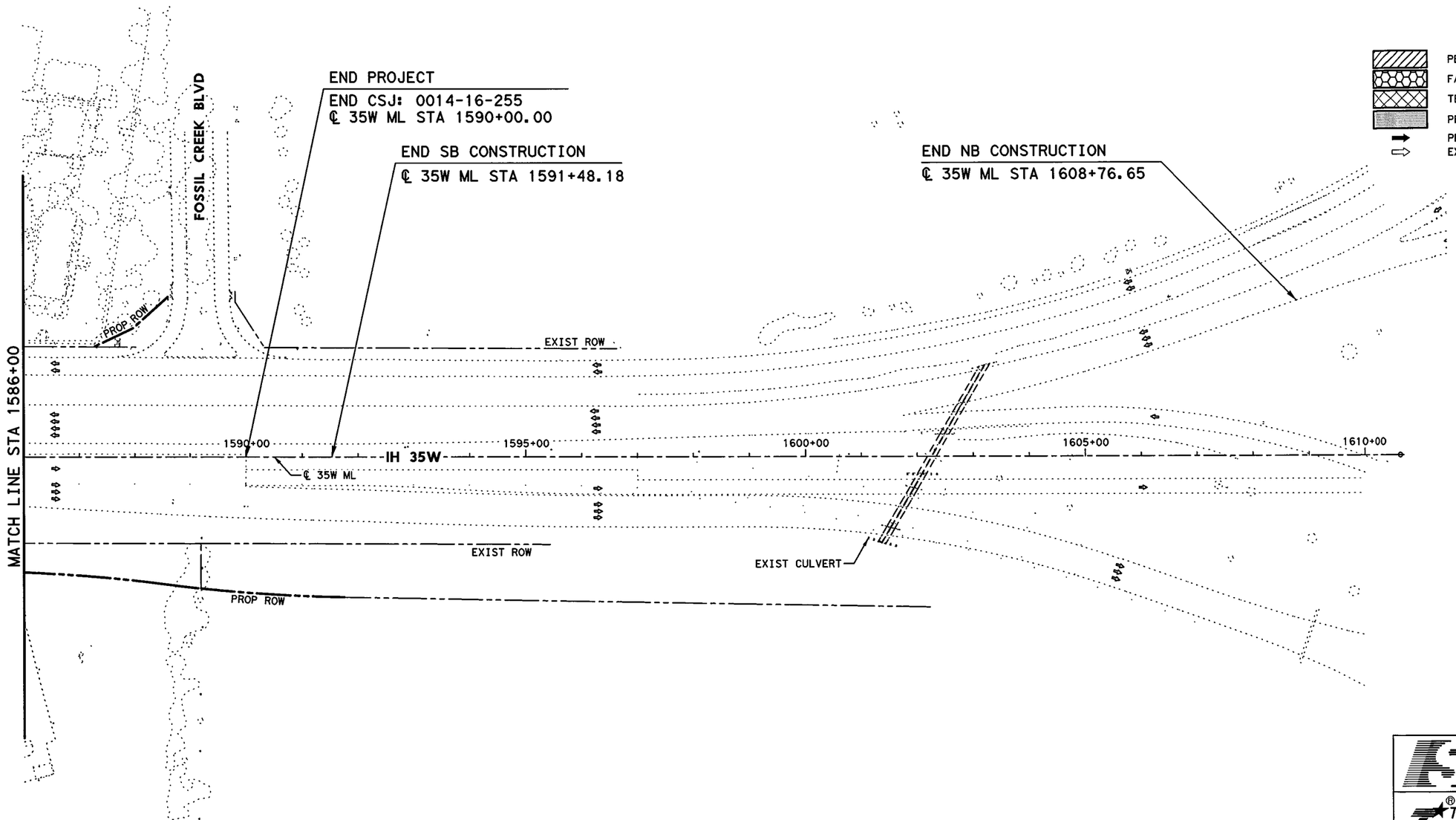
SCALE: 1" = 200'

SHEET 8 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 241 |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL12_08.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 1 STEP 2

## STA 1586+00 TO END PROJECT

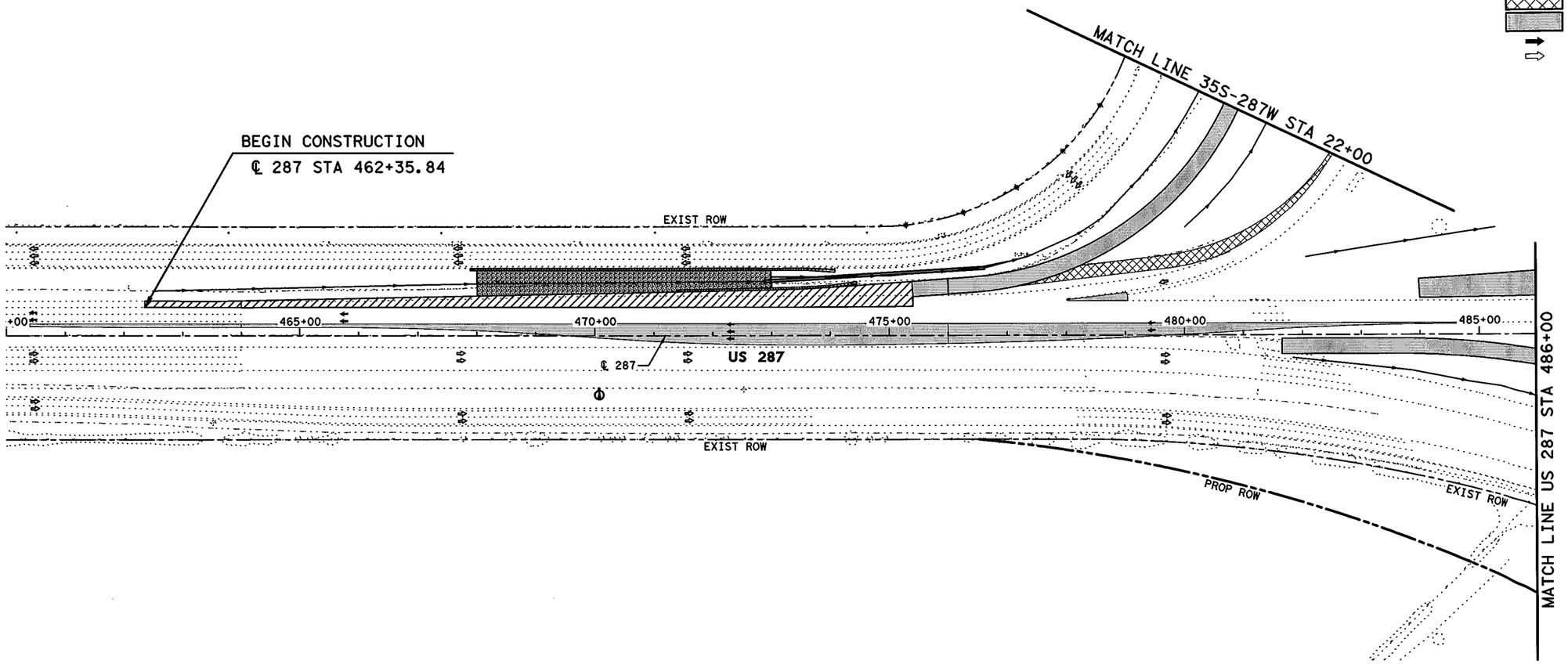
SCALE: 1" = 200'

SHEET 9 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 242 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL12_09.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 1 STEP 2**

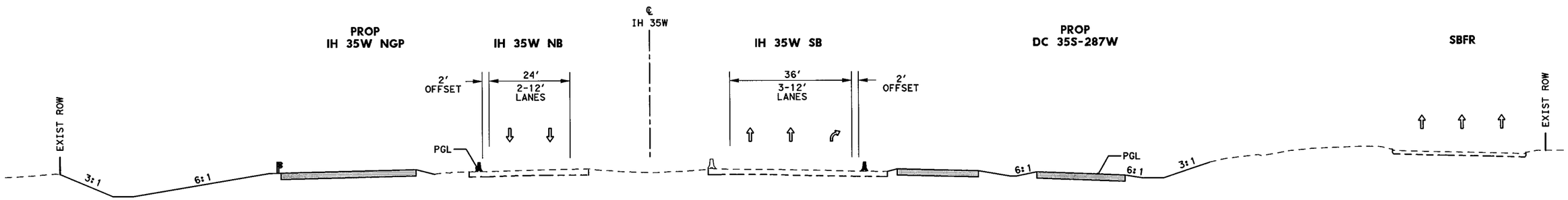
**STA 460+00 TO STA 486+00**

SCALE: 1" = 200' SHEET 10 OF 10

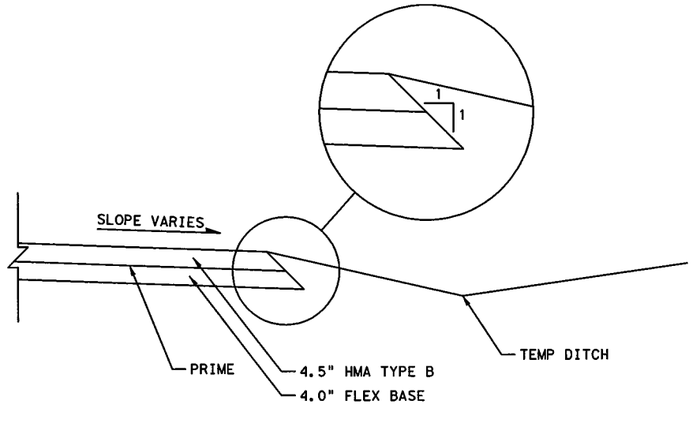
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 243 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL12_10.dgn

DRAWING DATE: 7/29/2012




TCP SECTION A-A
STA 1431+00




DETOUR & TEMP WIDENING
TYPICAL SECTION

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

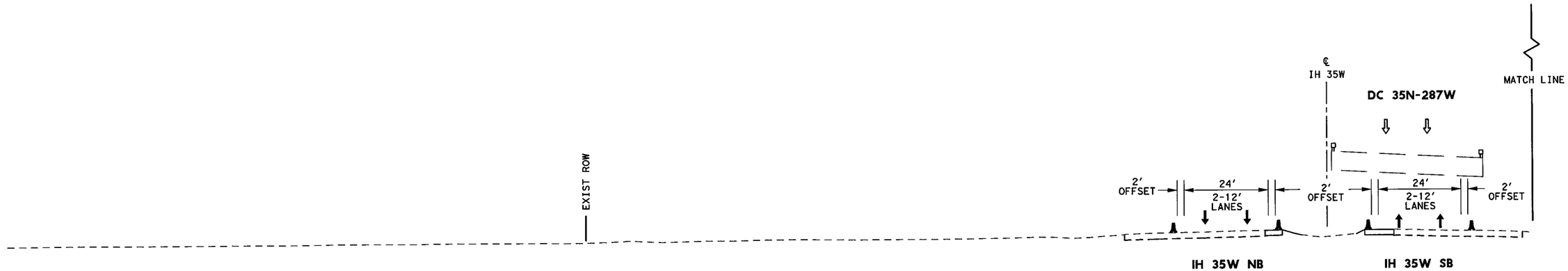
IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 1 STEP 2

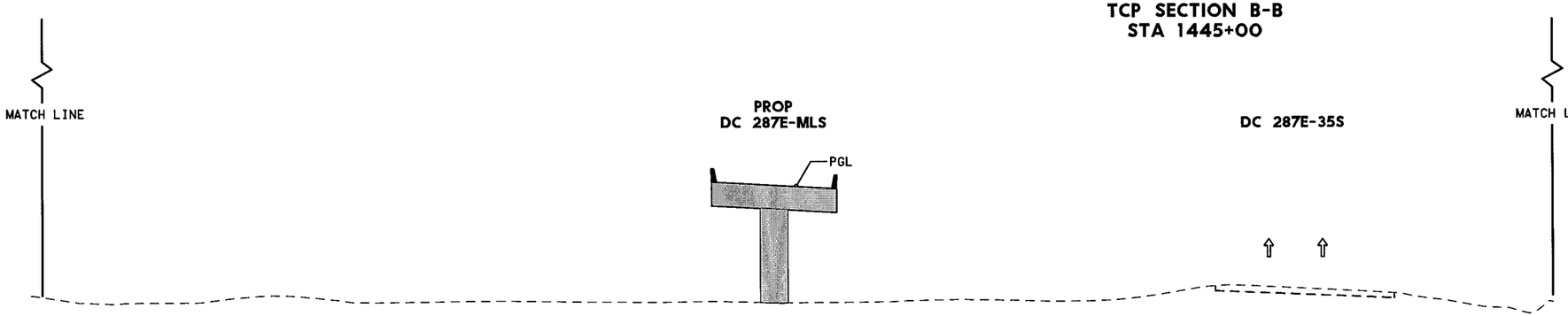
SCALE: NTS
SHEET 1 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 244 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT12_01.dgn
DRAWING DATE: 7/29/2012




## TCP SECTION B-B
## STA 1445+00



## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

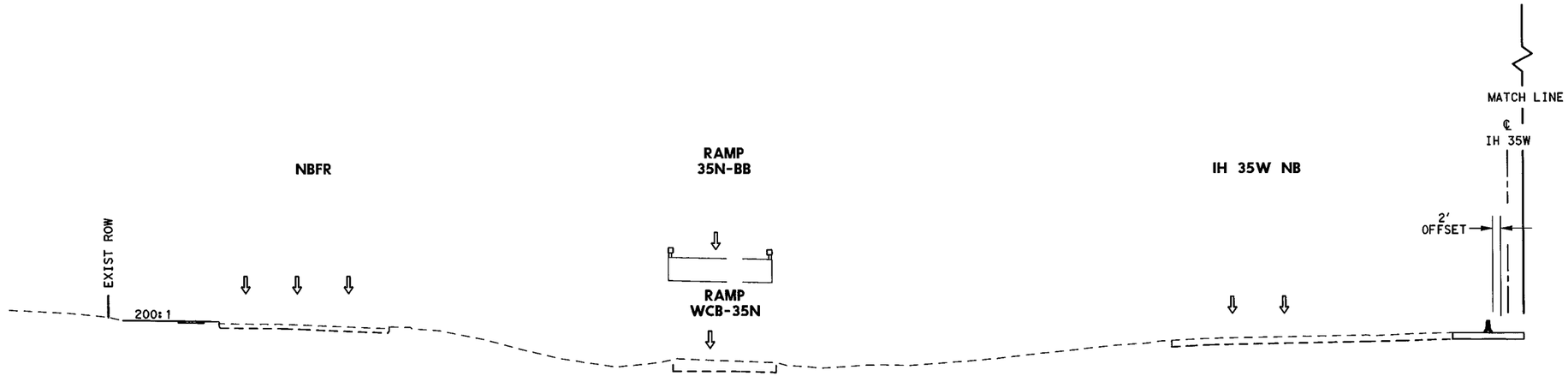
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 1 STEP 2**

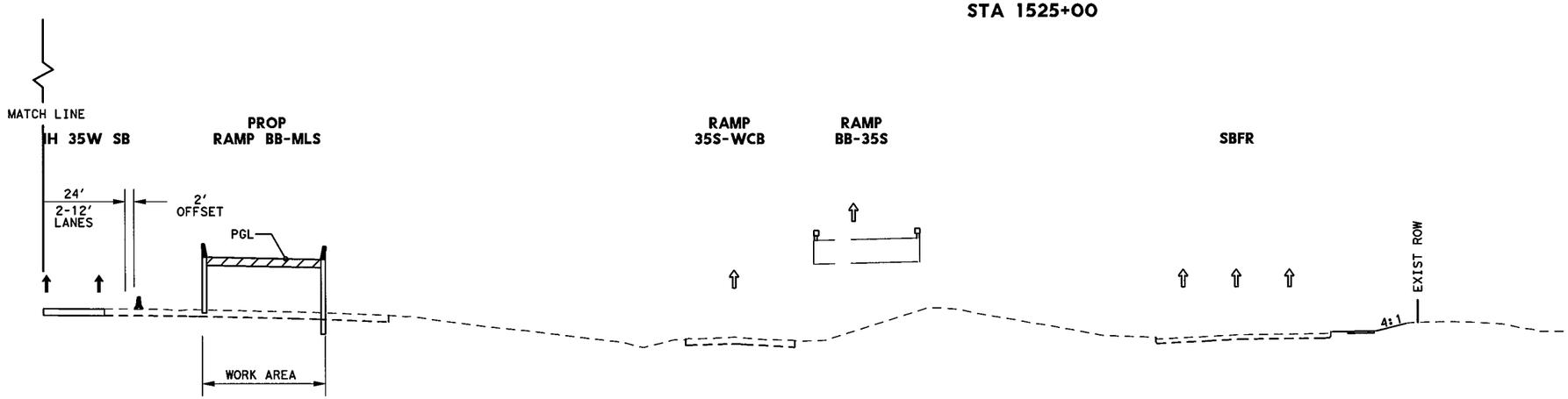
SCALE: NTS — SHEET 2 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 245 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT12_02.dgn
DRAWING DATE: 7/29/2012




TCP SECTION C-C
STA 1525+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 1 STEP 2

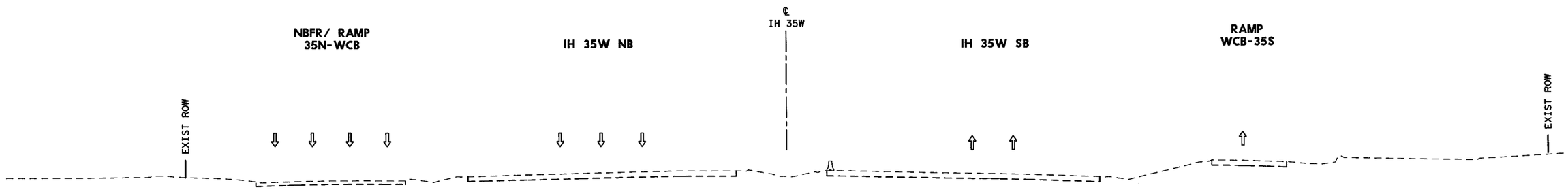
SCALE: NTS

SHEET 3 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 246 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCT12_03.dgn

DRAWING DATE: 7/29/2012




**TCP SECTION D-D**
**STA 1554+00**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

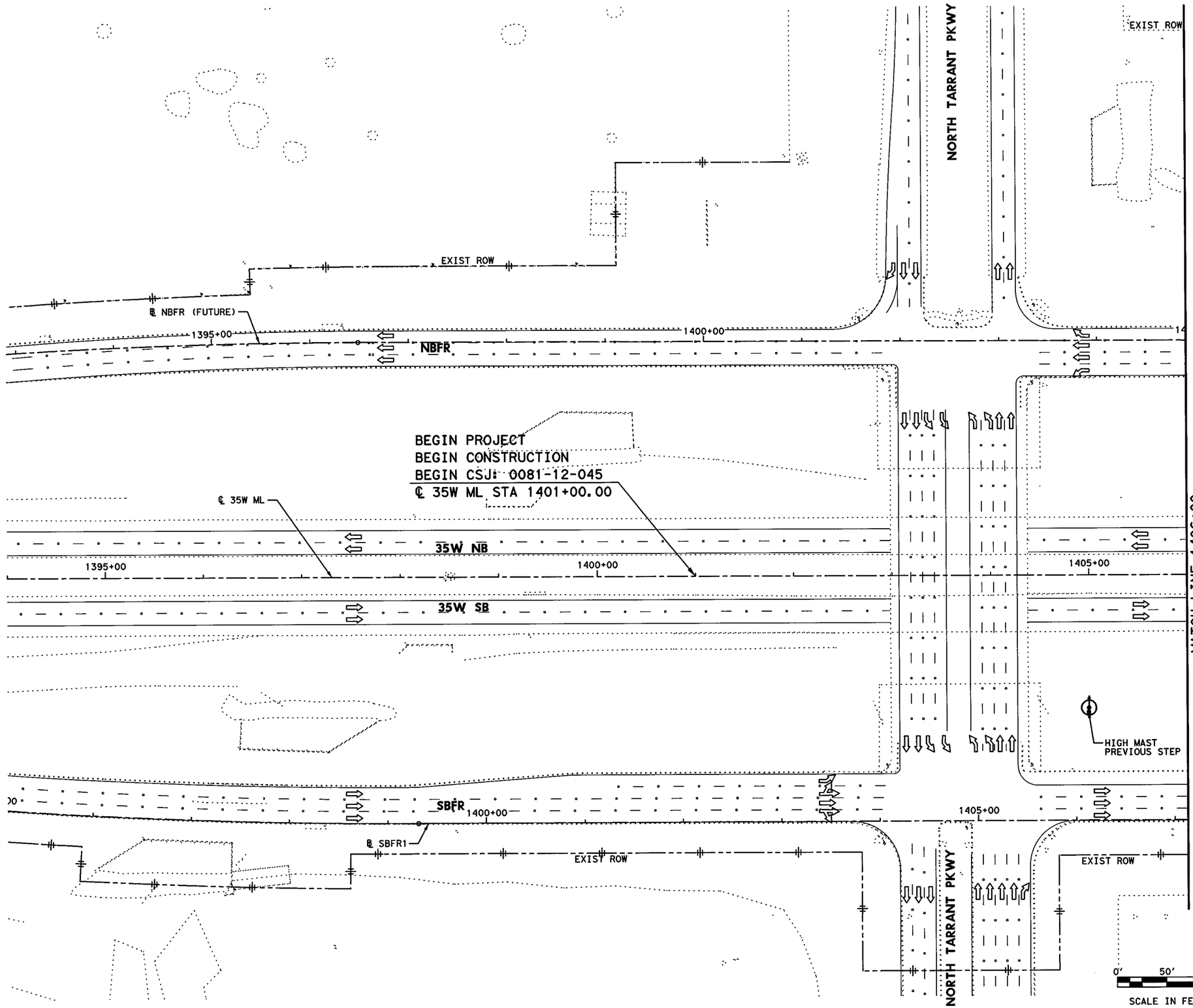
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 1 STEP 2**

SCALE: NTS — SHEET 4 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 247 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCT12_04.dgn




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

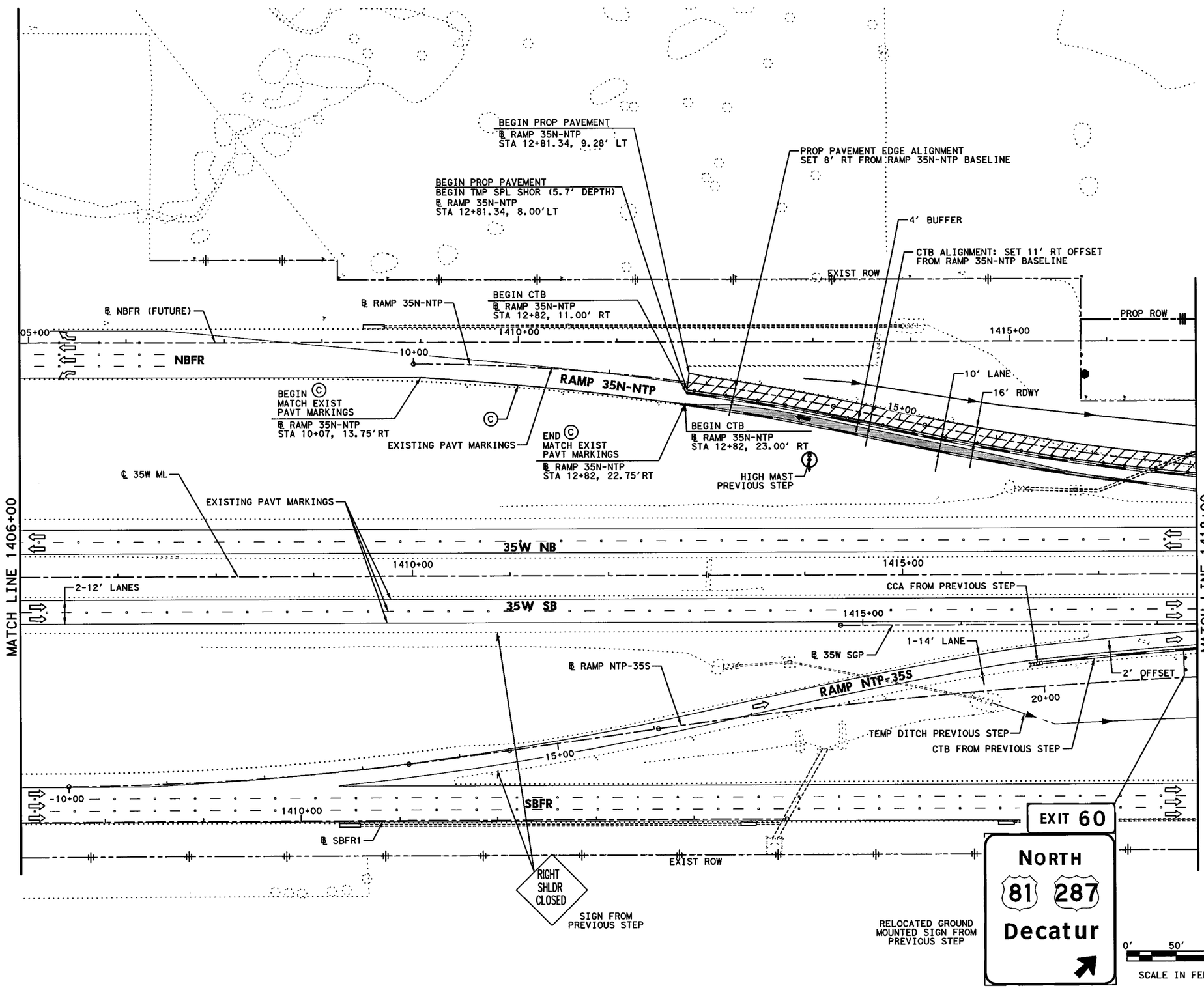
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100' SHEET 1 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 248 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP12_01.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

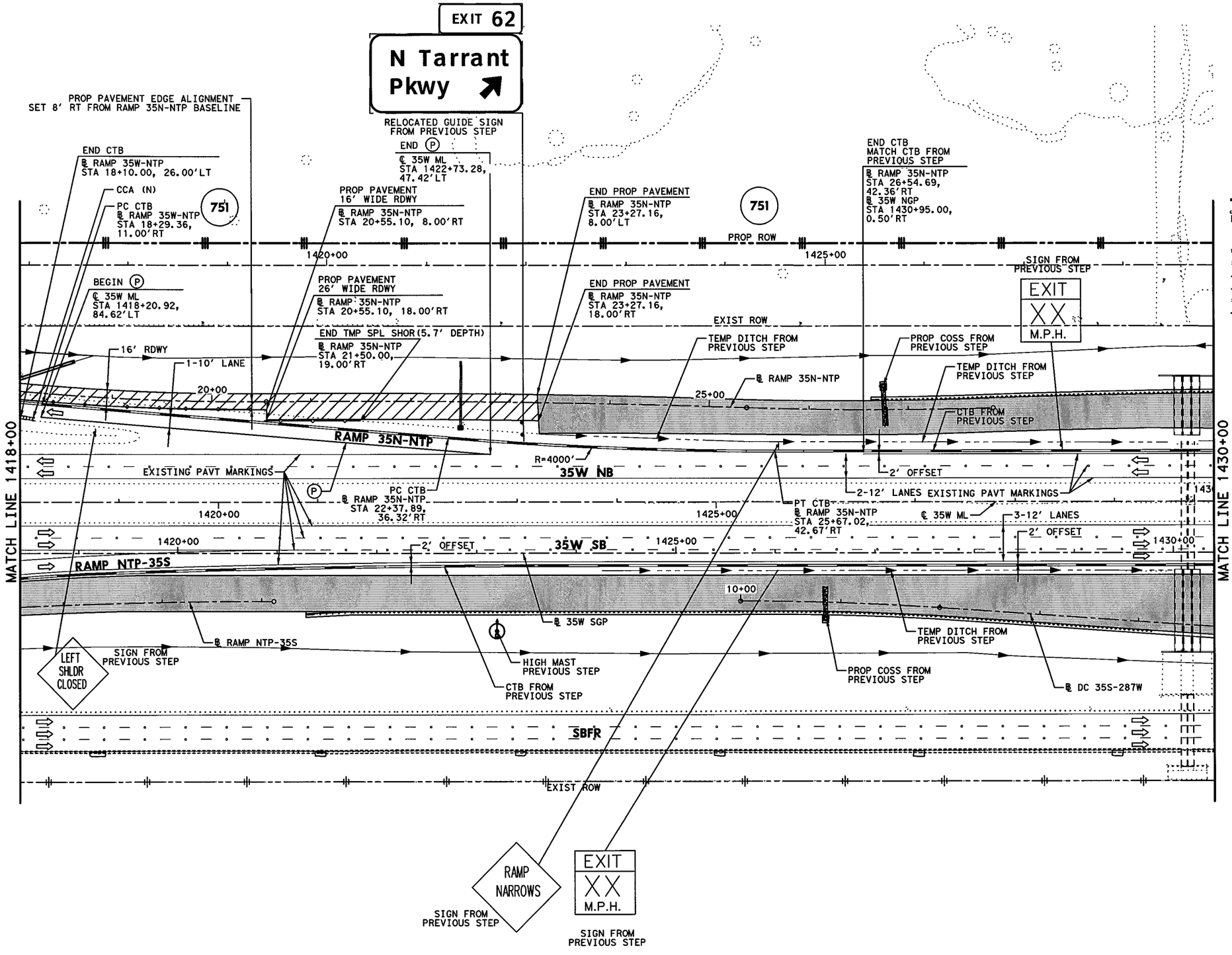
**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 249 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP12_02.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

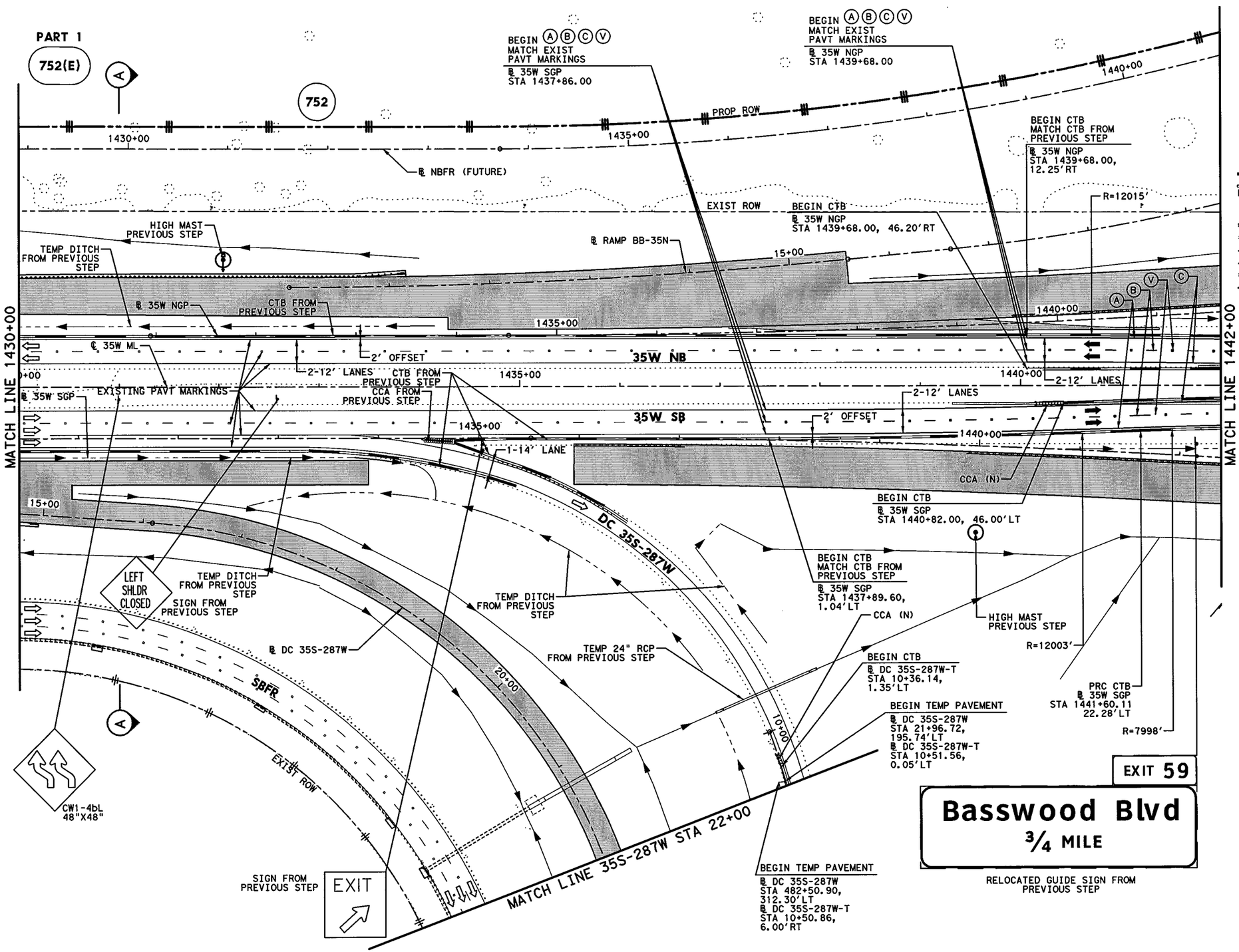
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100' SHEET 3 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 250 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP12_03.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

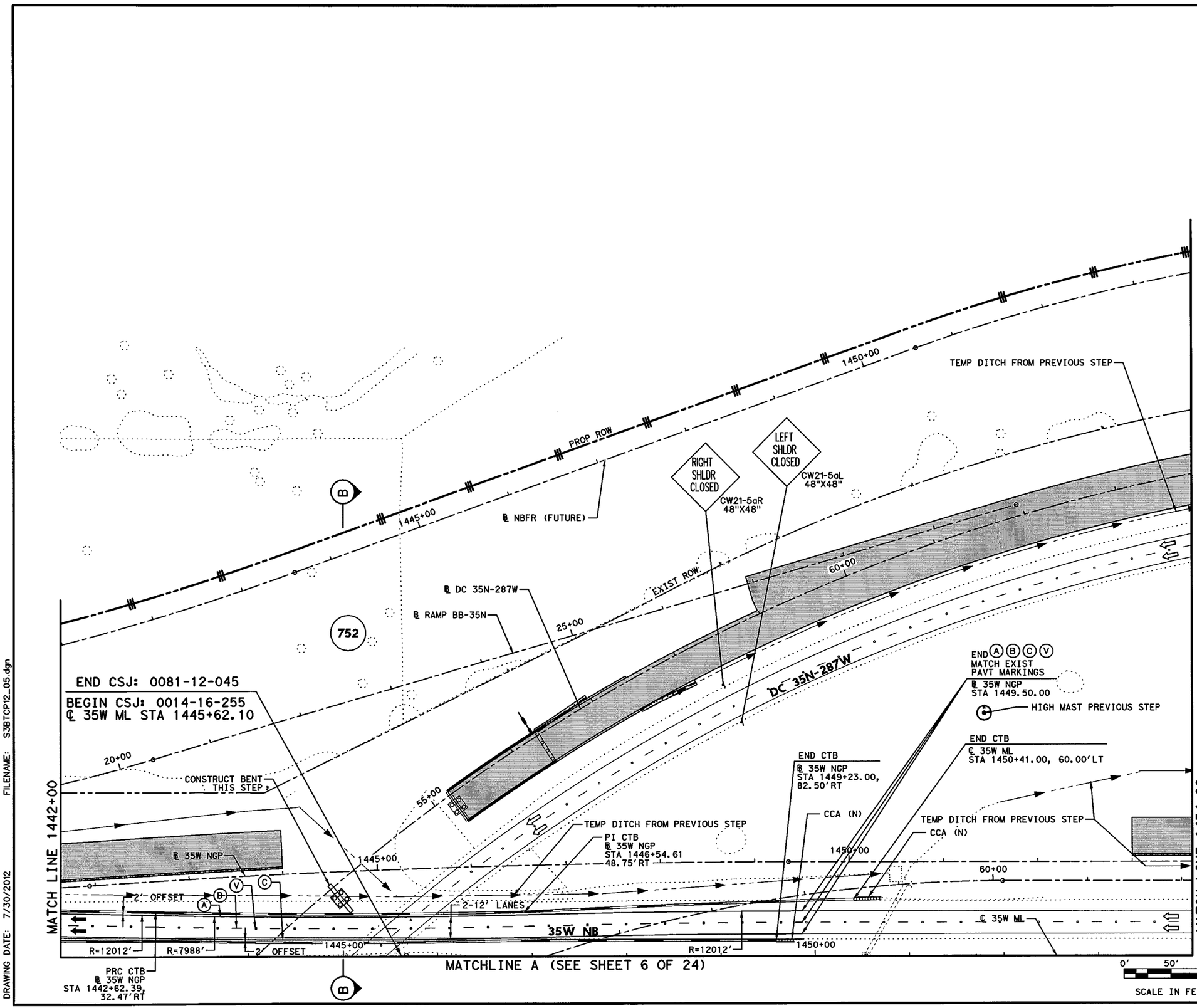
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100' SHEET 4 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 251 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCP12_04.dgn




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

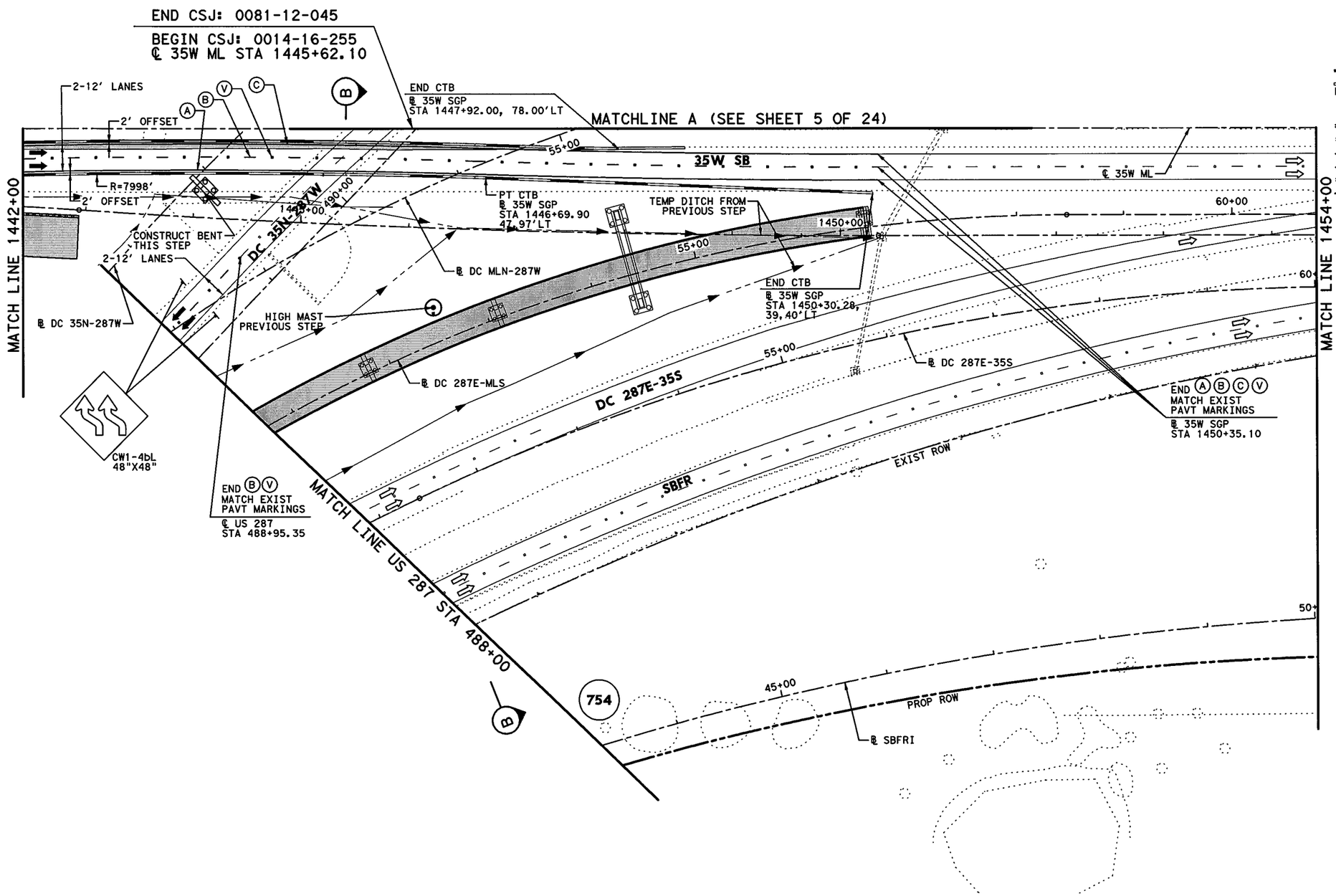
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100' SHEET 5 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 252 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP12_05.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
W. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

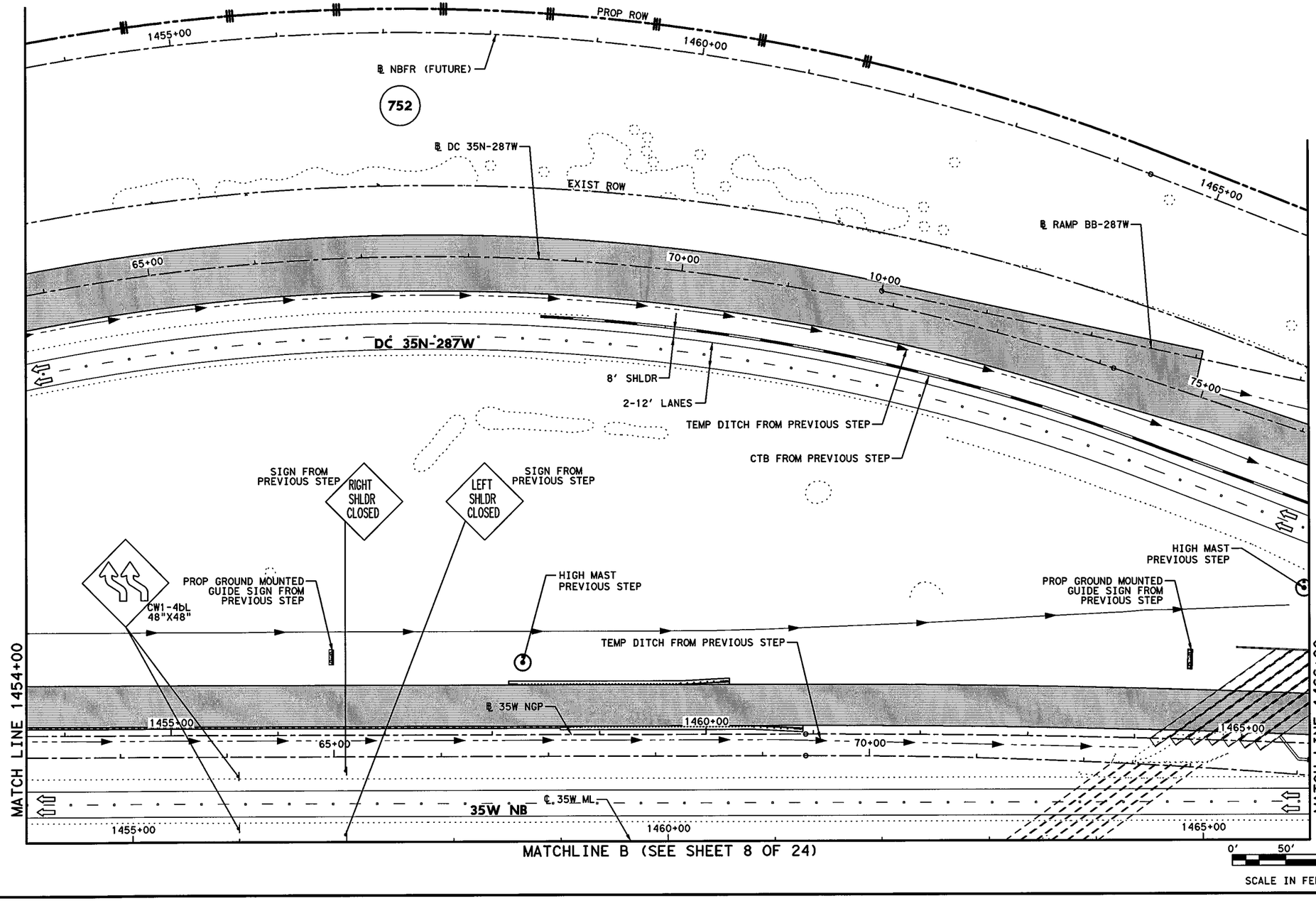
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 2

SCALE 1" = 100' SHEET 6 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 253 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP12_06.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

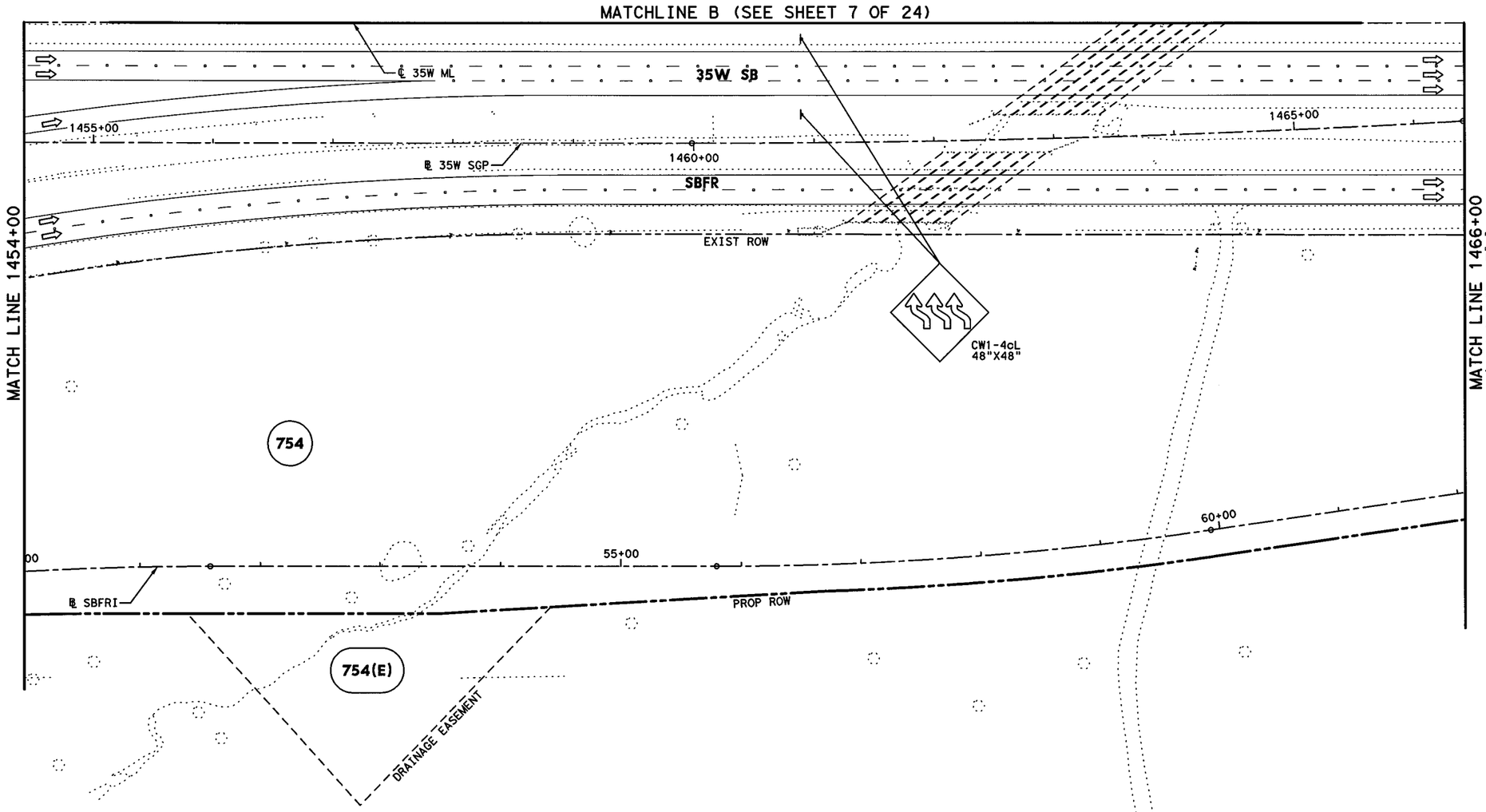
# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 2

SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 254 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP12_07.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

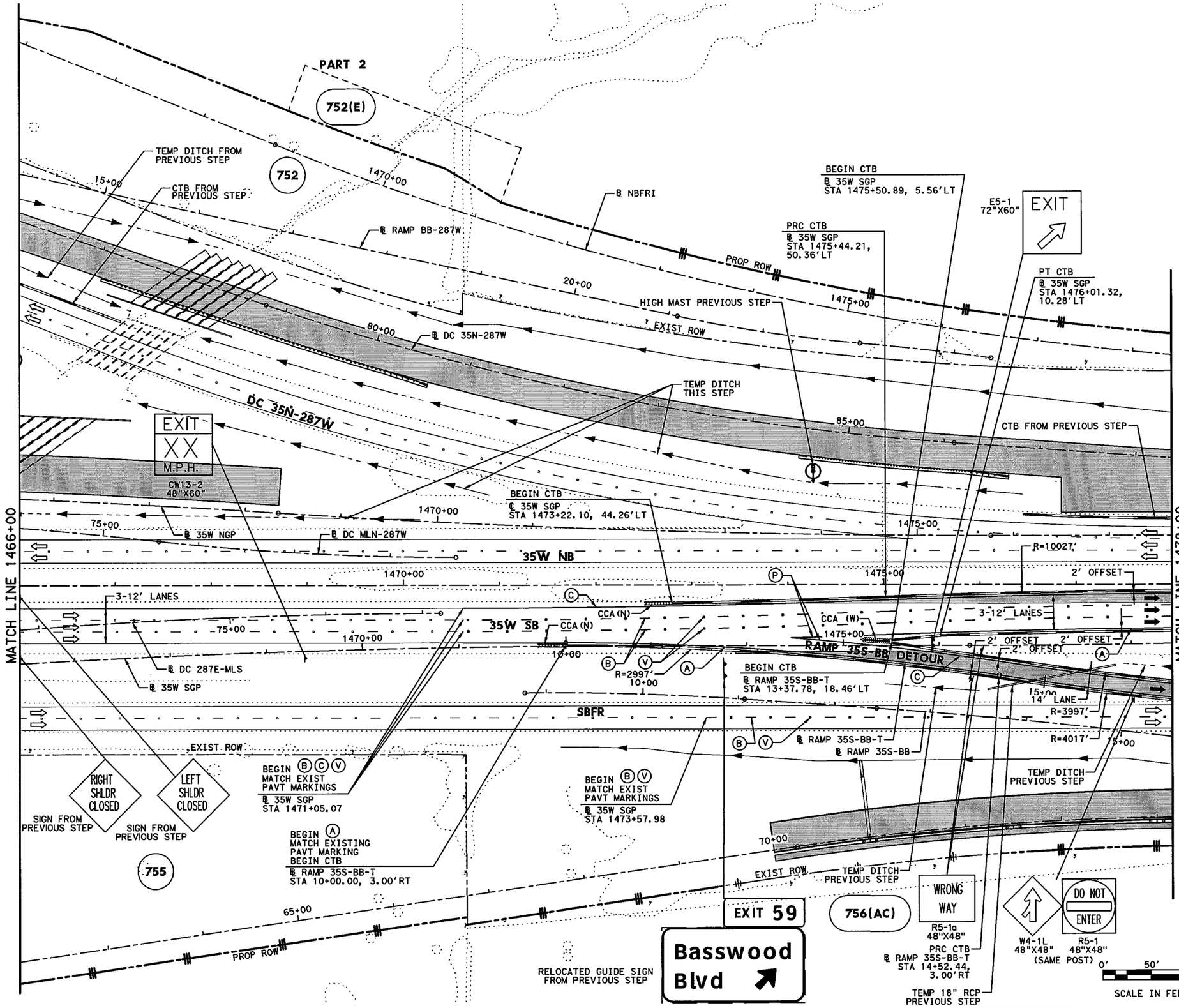
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100' SHEET 8 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 255 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP12_08.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

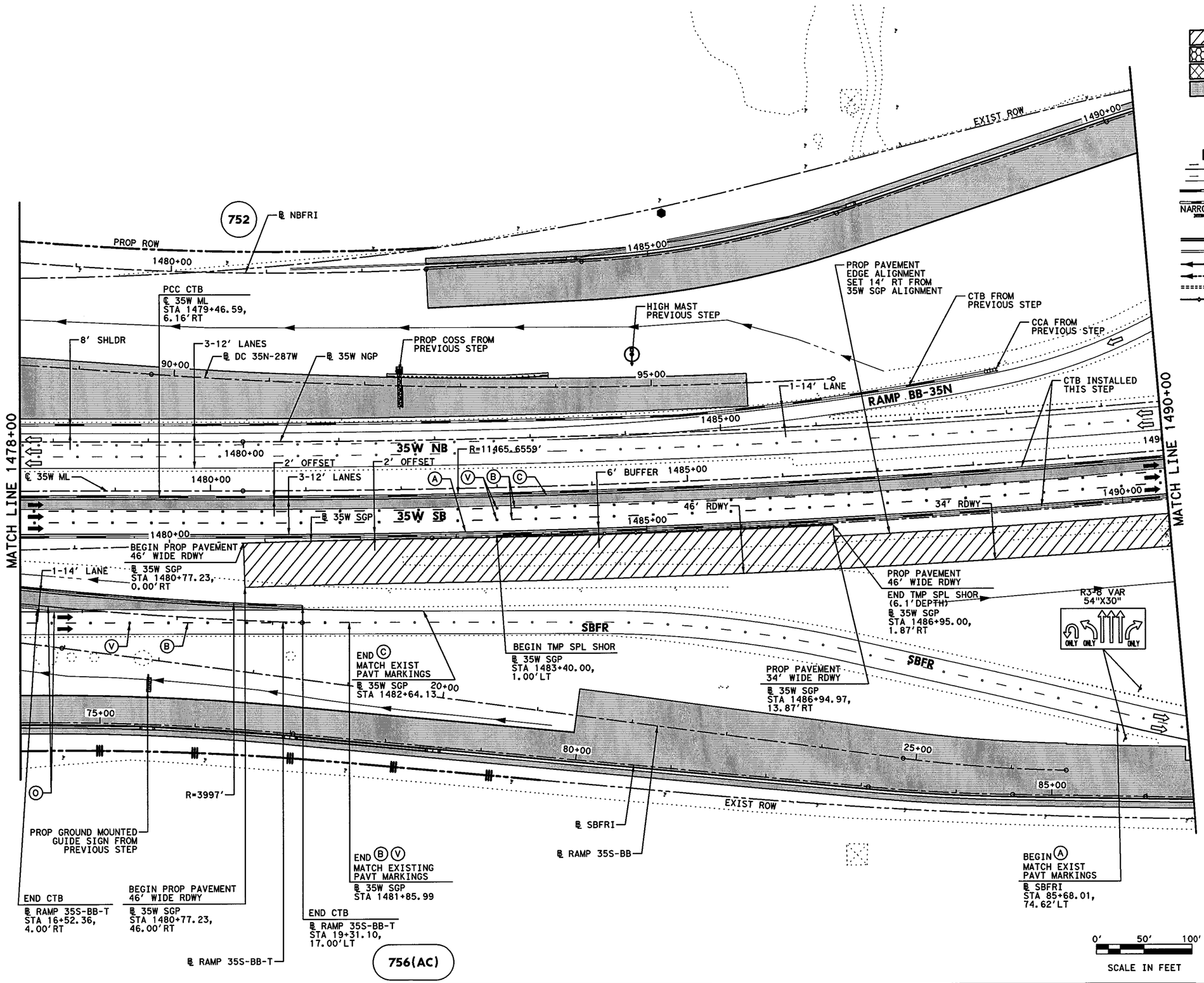
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100'
SHEET 9 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 256 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP12_09.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

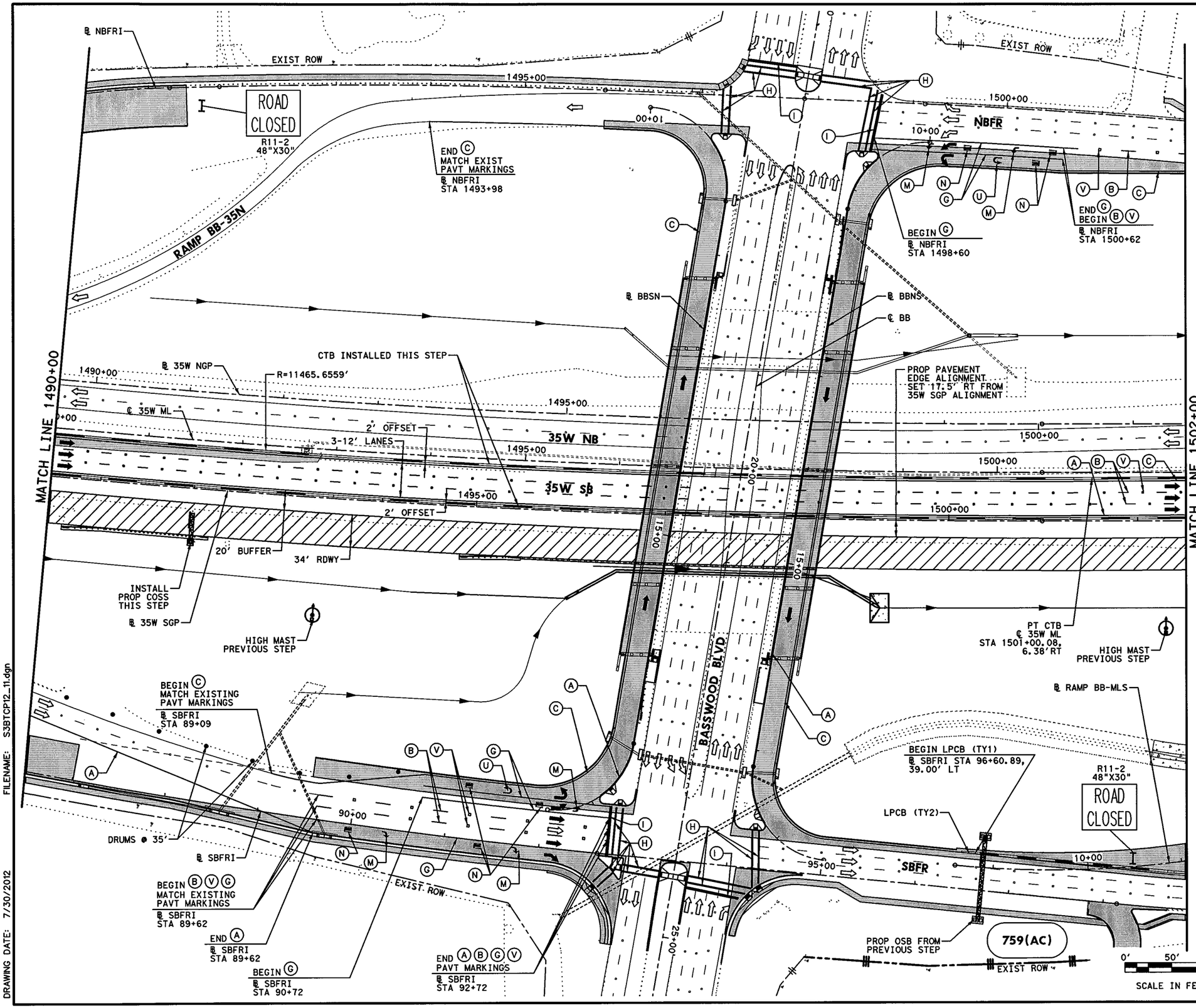
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100' SHEET 10 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 257 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP12_10.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

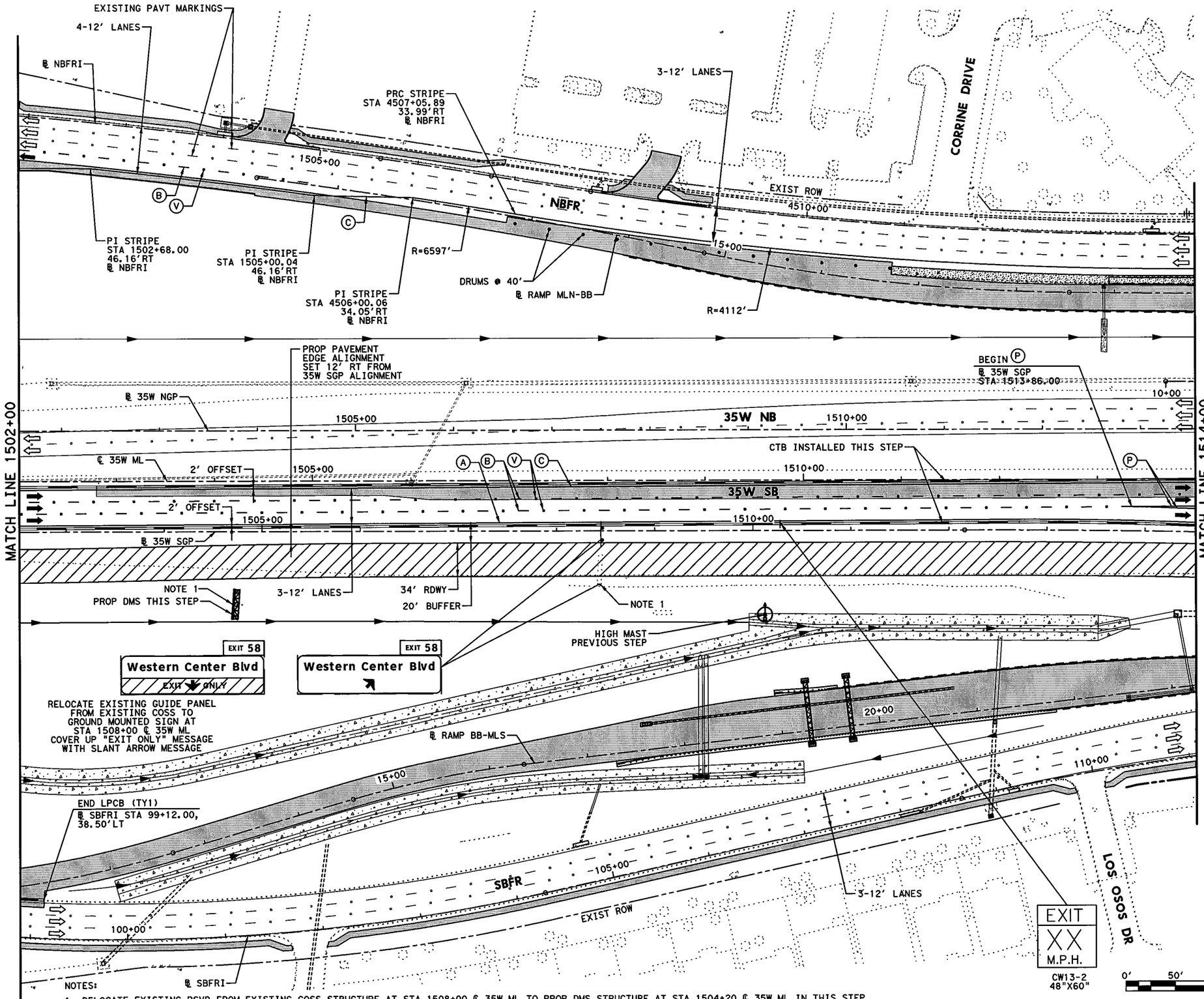
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100' SHEET 11 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 258 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP12_11.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. RELOCATE EXISTING RSVD FROM EXISTING COSS STRUCTURE AT STA 1508+00 ℄ 35W ML TO PROP DMS STRUCTURE AT STA 1504+20 ℄ 35W ML IN THIS STEP.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

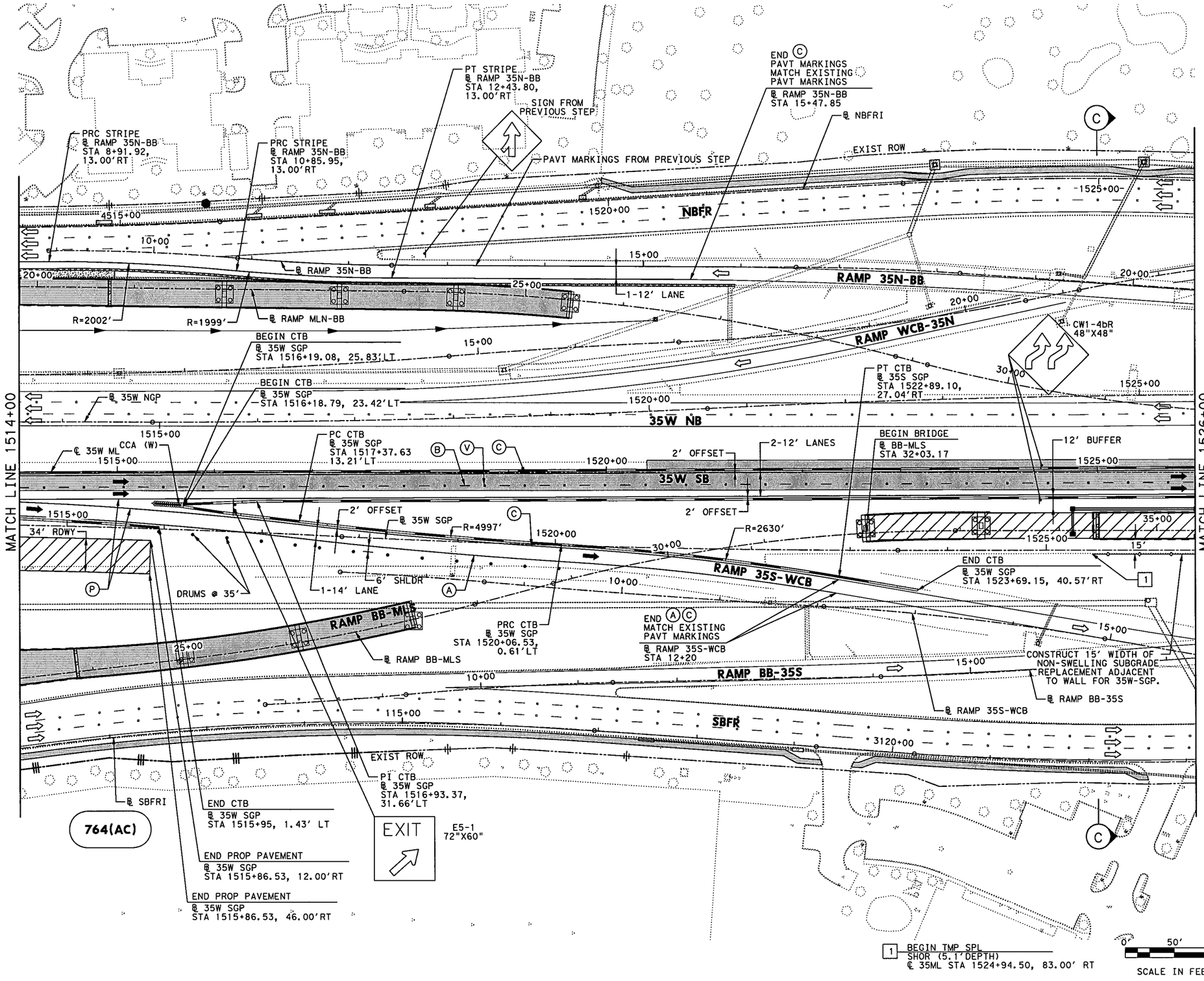
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 2

SCALE 1" = 100' SHEET 12 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 259 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP12_12.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE — LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

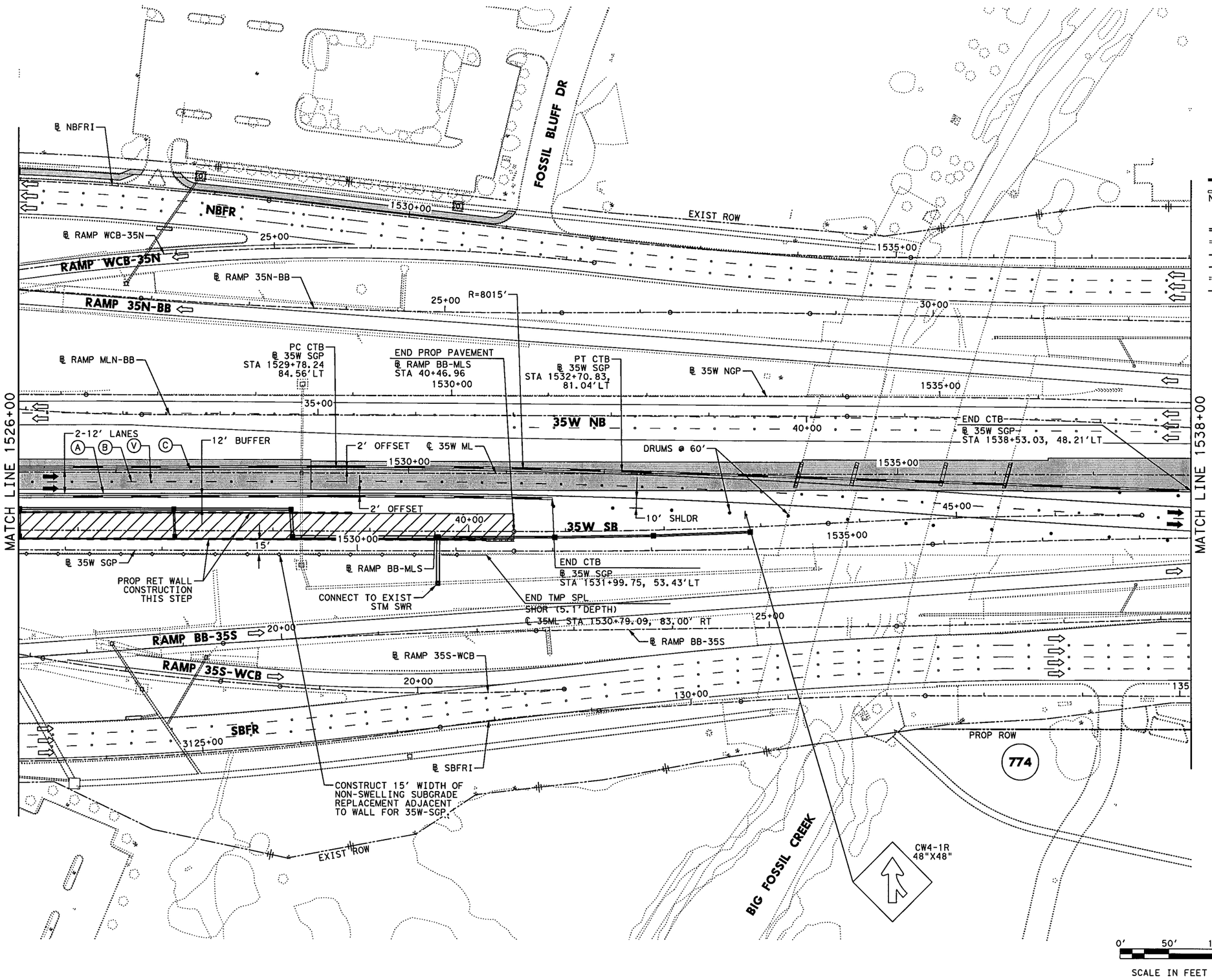
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100' SHEET 13 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 260 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP12_13.dgn
DRAWING DATE: 7/31/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

- (A) WK ZN PAV MRK REMOV (W) 4" (SLD)
- (B) WK ZN PAV MRK REMOV (W) 4" (BRK)
- (C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
- (G) WK ZN PAV MRK REMOV (W) 8" (SLD)
- (H) WK ZN PAV MRK REMOV (W) 12" (SLD)
- (I) WK ZN PAV MRK REMOV (W) 24" (SLD)
- (M) WK ZN PAV MRK REMOV (W)(ARROW)
- (N) WK ZN PAV MRK REMOV (W)(WORD)
- (O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
- (P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
- (S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
- (T) WK ZN PAV MRK REMOV (W) 4" (DOT)
- (U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
- (V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

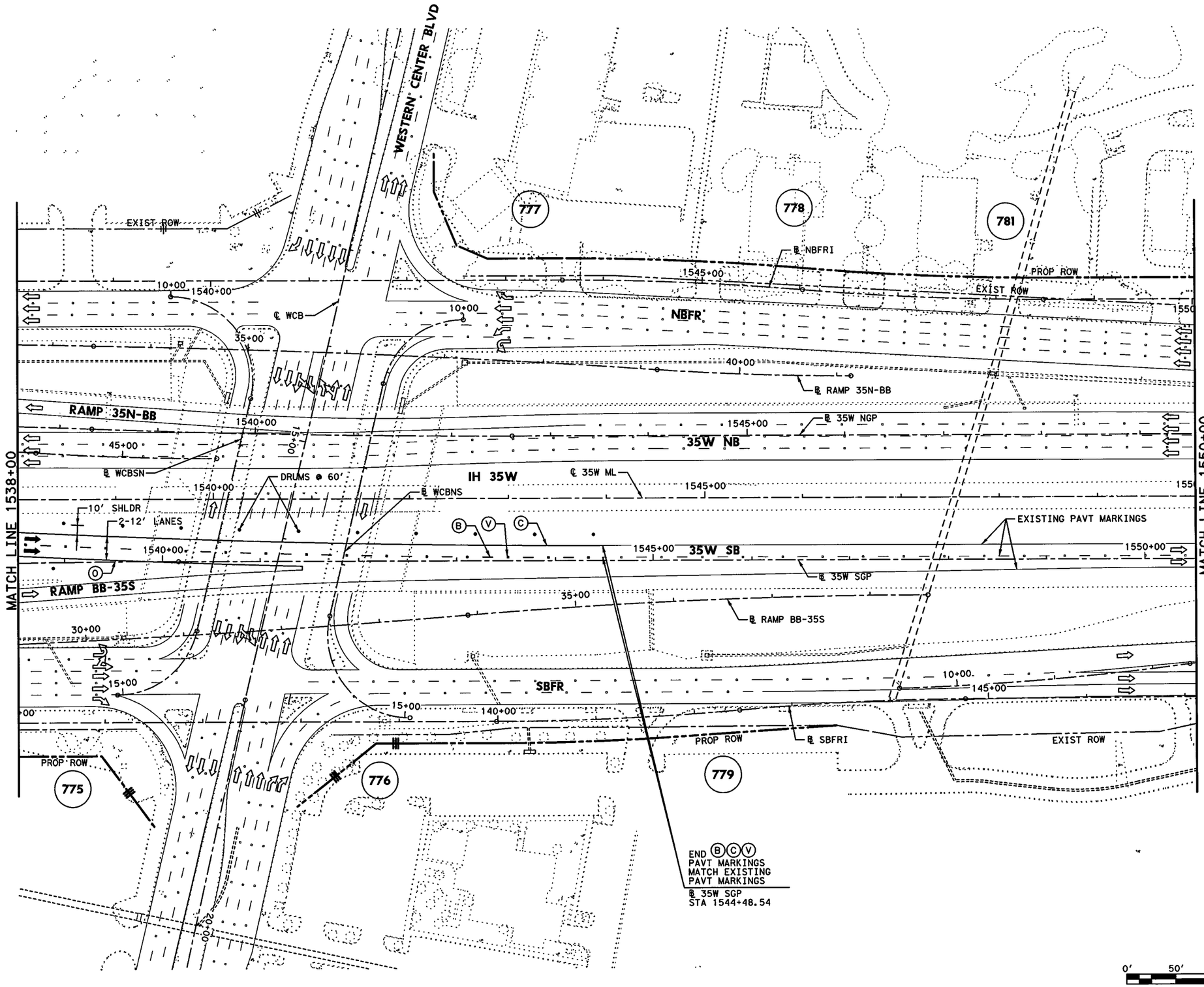
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100' SHEET 14 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 261 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP12_14.dgn
DRAWING DATE: 7/31/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

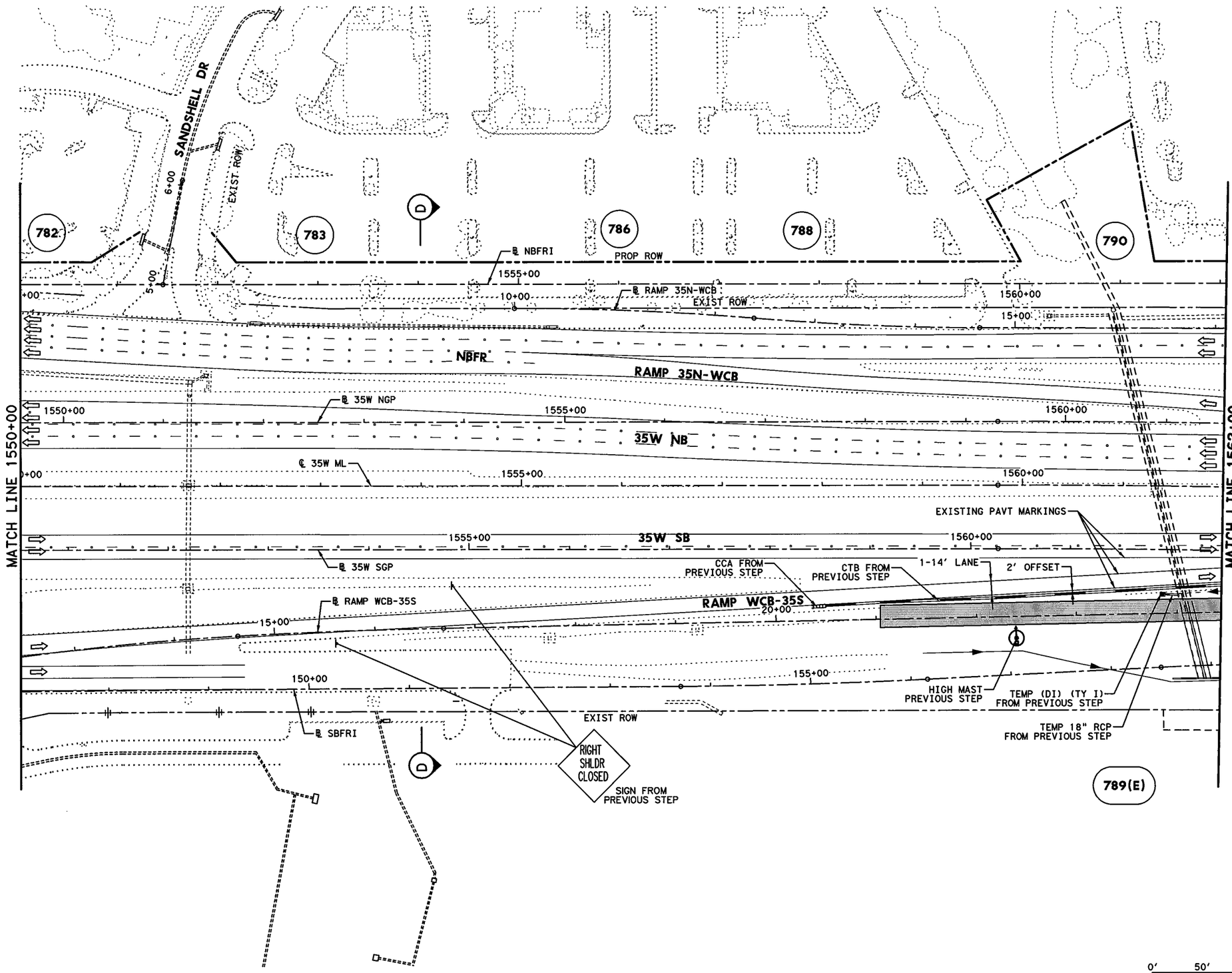
# TRAFFIC CONTROL PLAN
## PHASE 1 STEP 2

SCALE 1" = 100'

SHEET 15 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 262 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP12_15.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

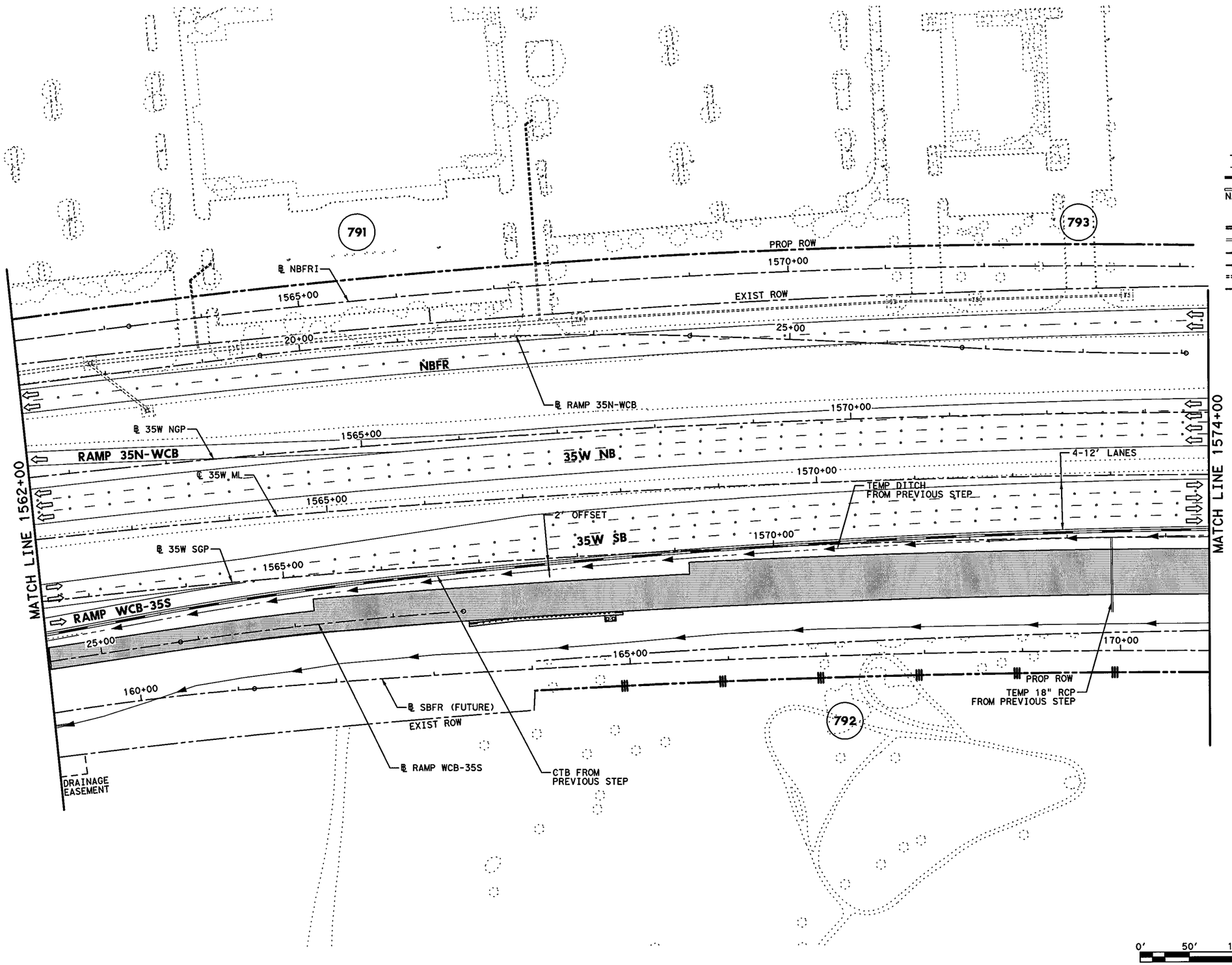
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100' SHEET 16 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 263 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP12_16.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

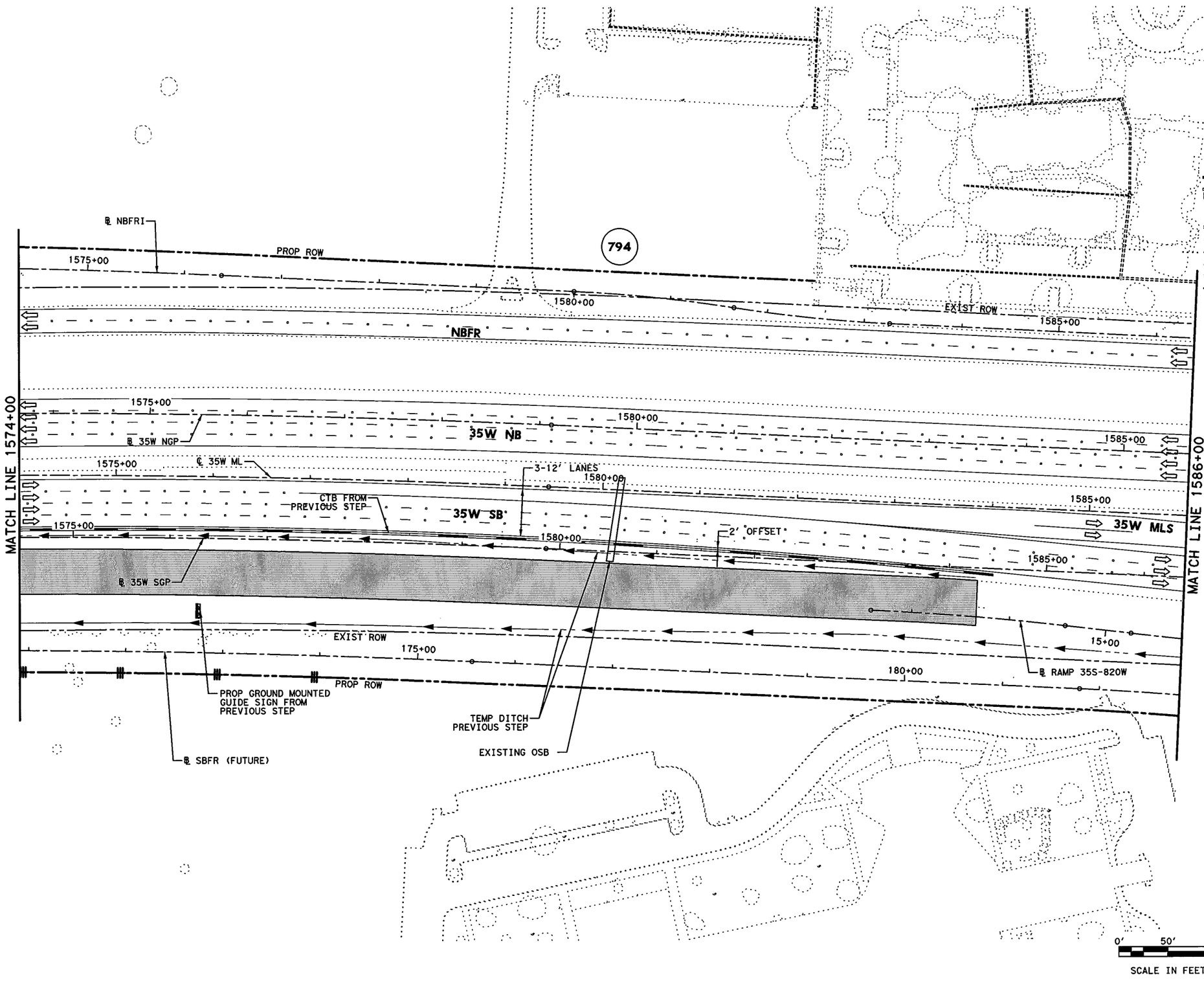
**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100'

SHEET 17 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 264 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP12_17.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

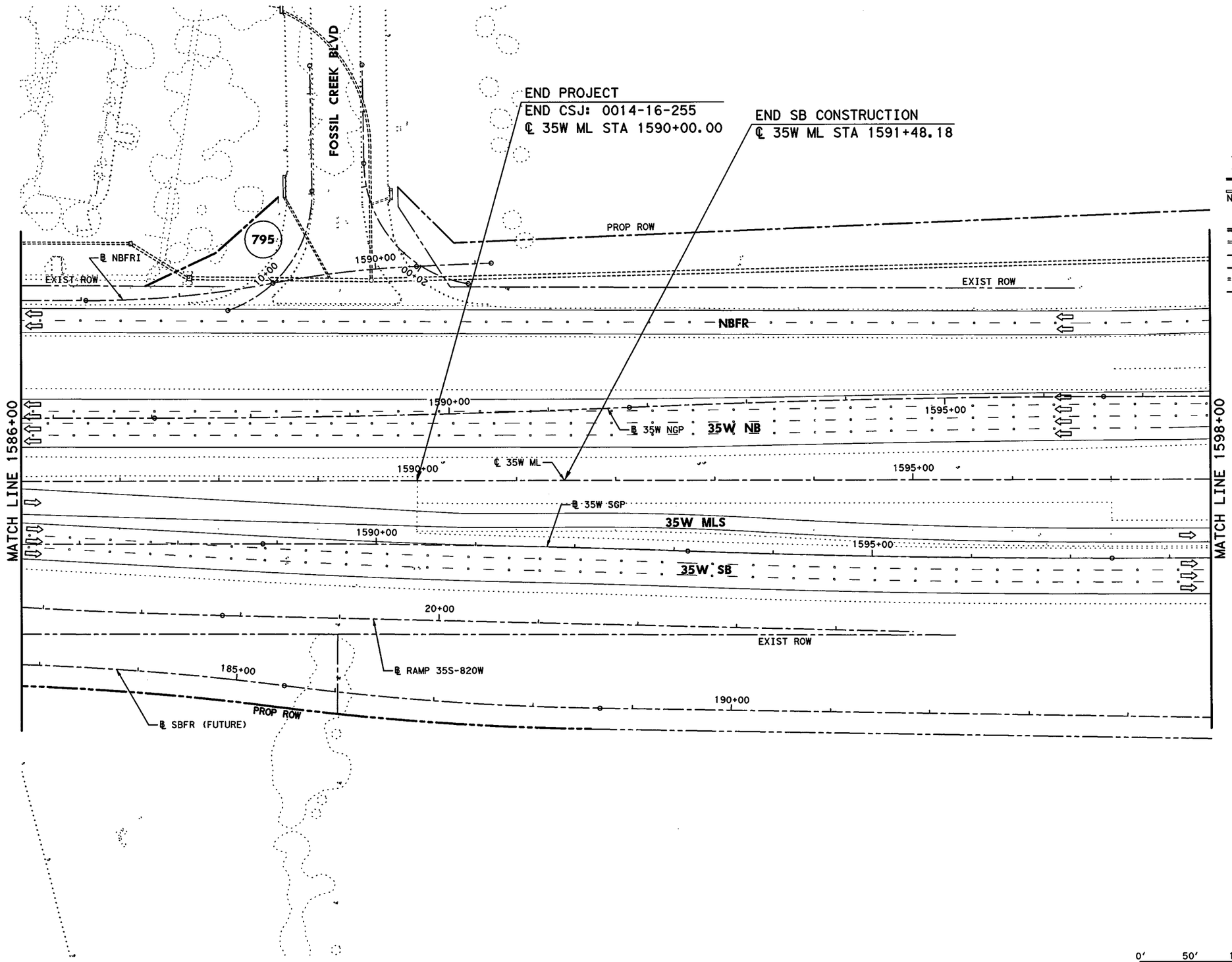
# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 2

SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 265 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCP12_18.dgn




0' 50' 100'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

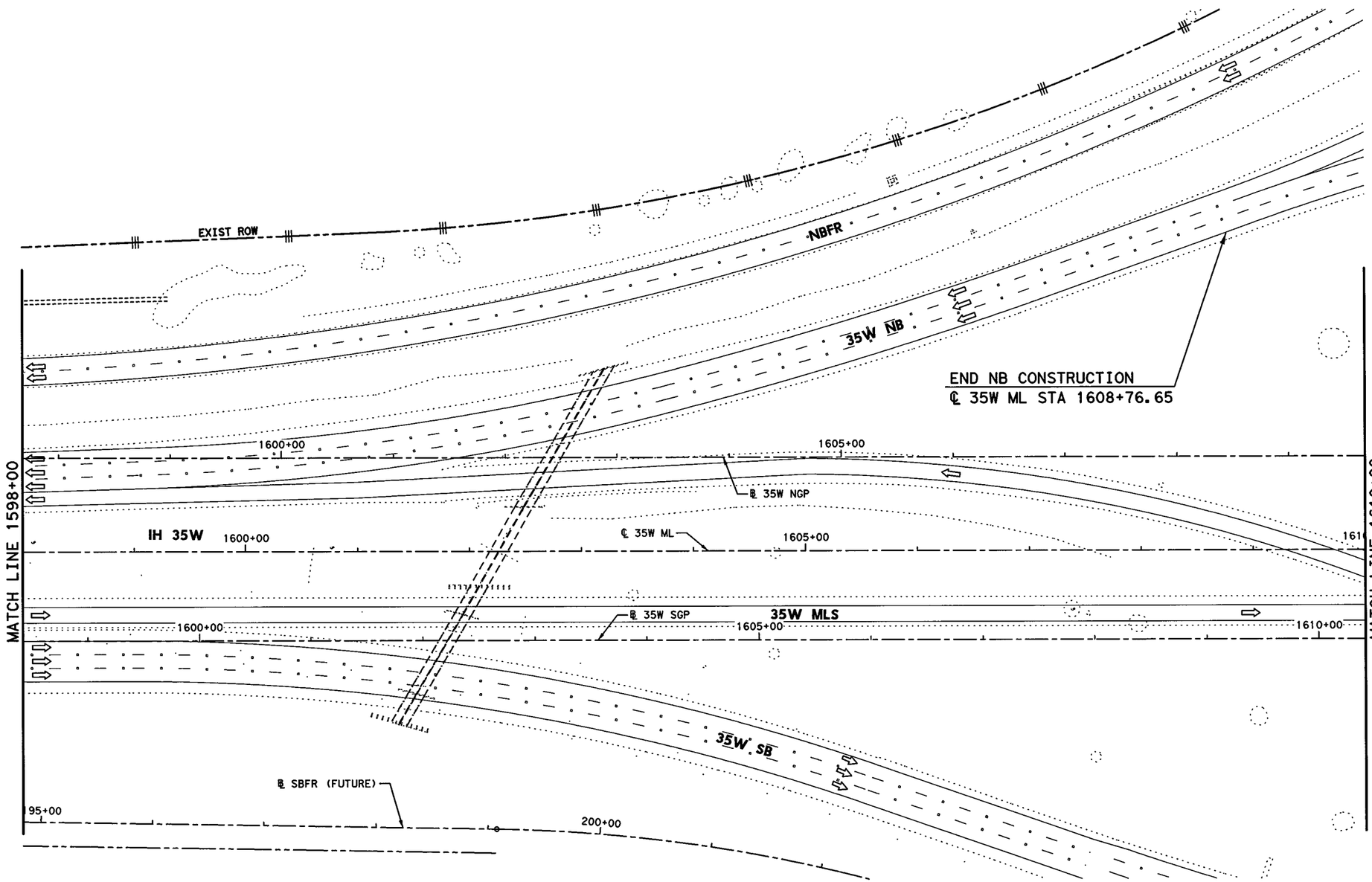
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100'
SHEET 19 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 266 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP12_19.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

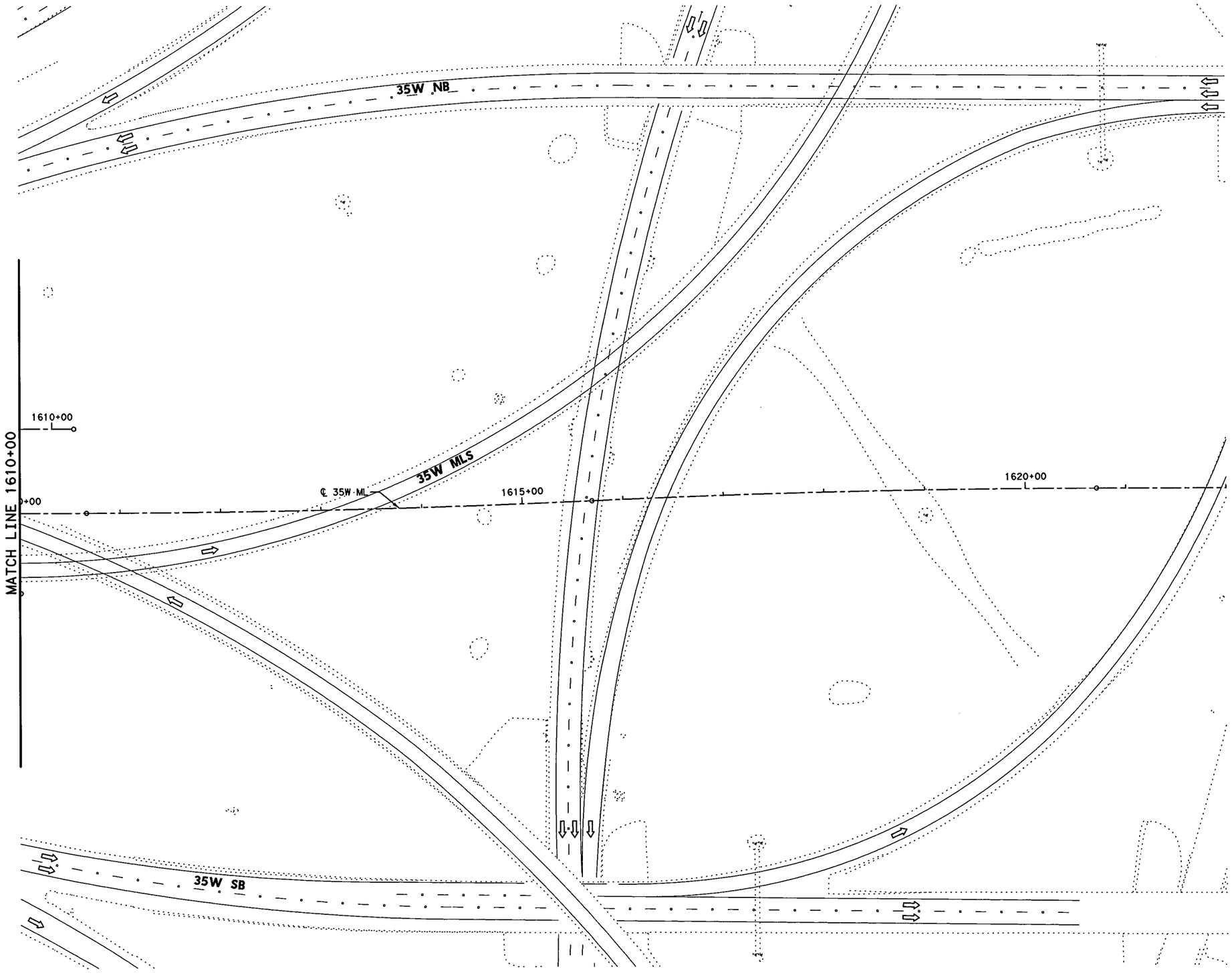
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100'
SHEET 20 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 267 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP12_20.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

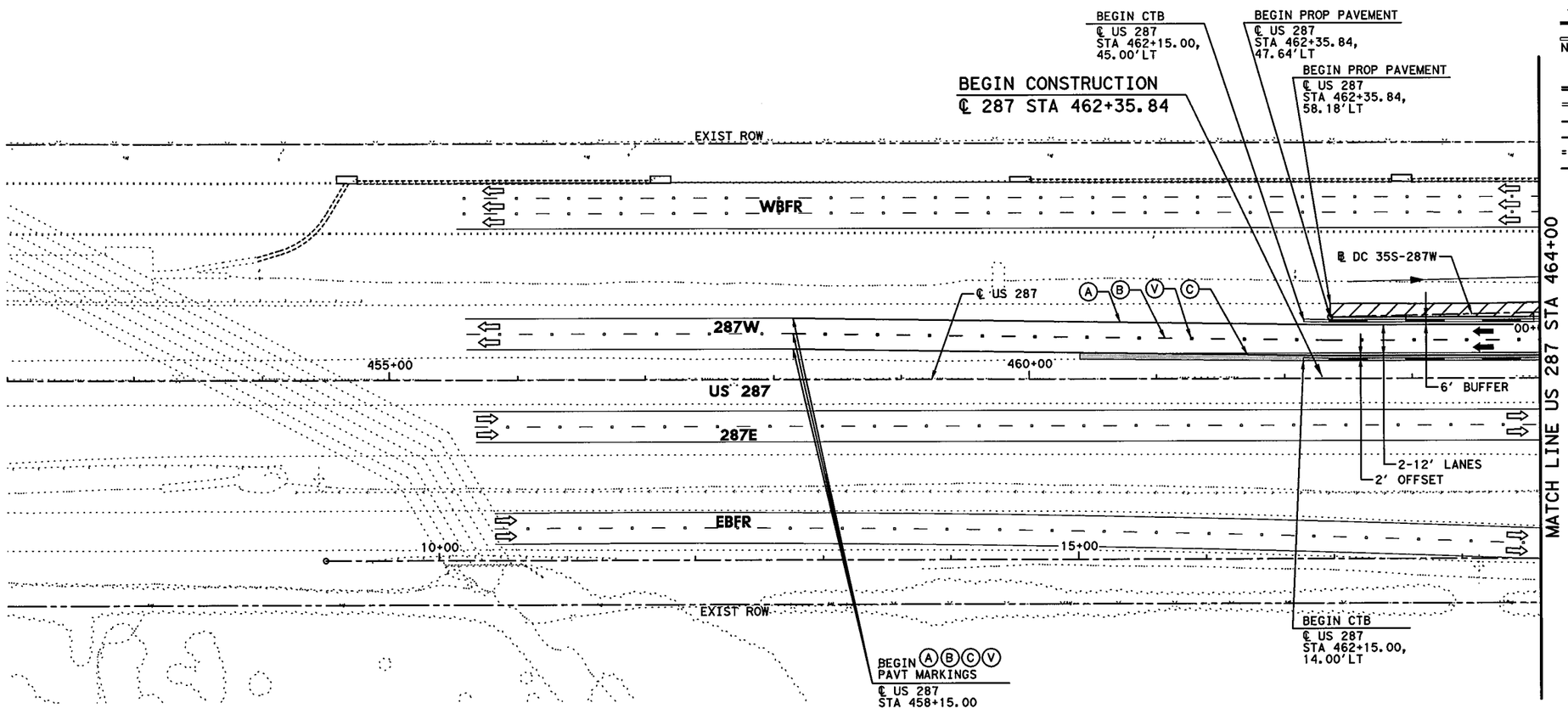
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100' SHEET 21 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 268 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP12_21.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

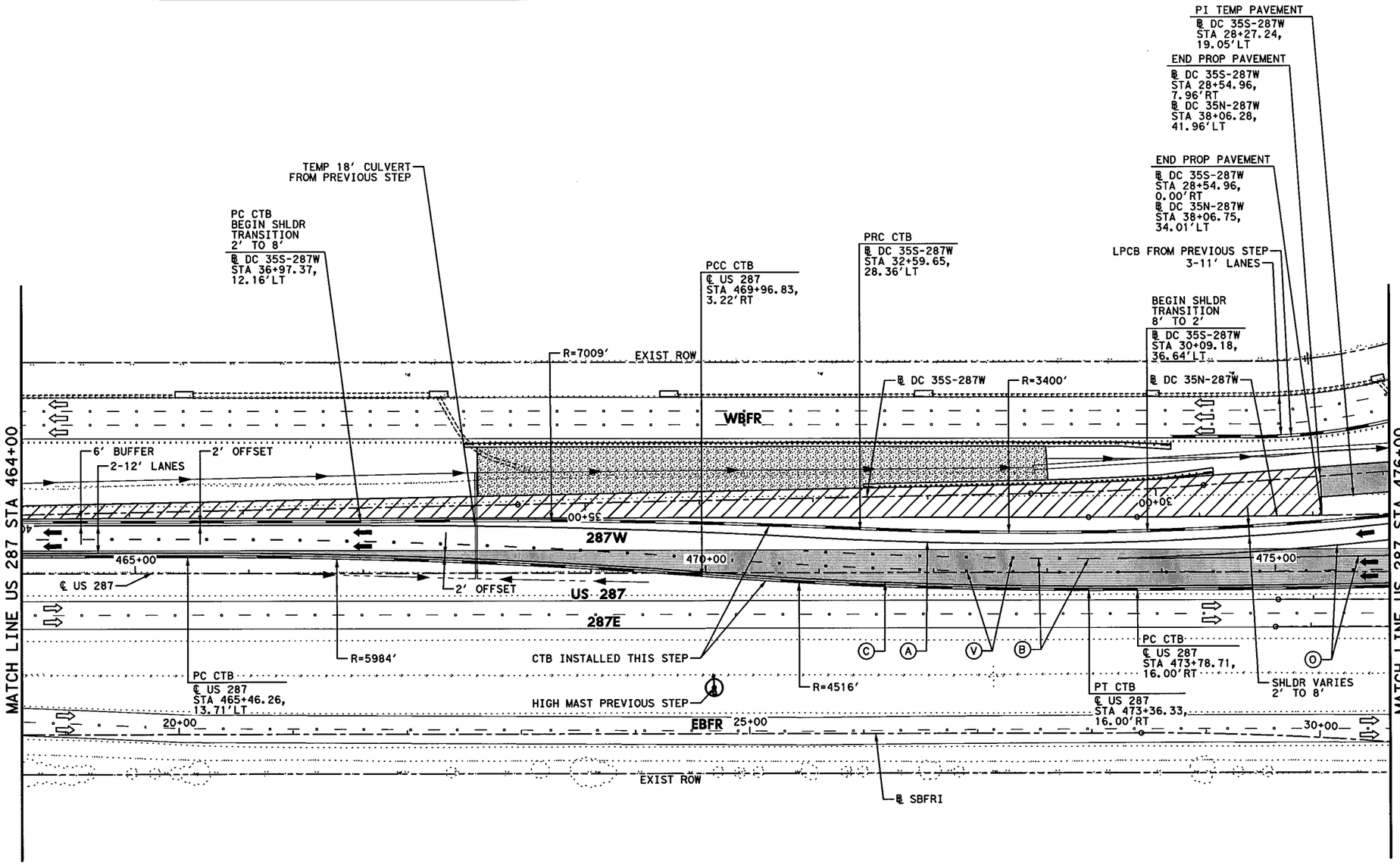
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100' SHEET 22 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 269 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP12_22.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

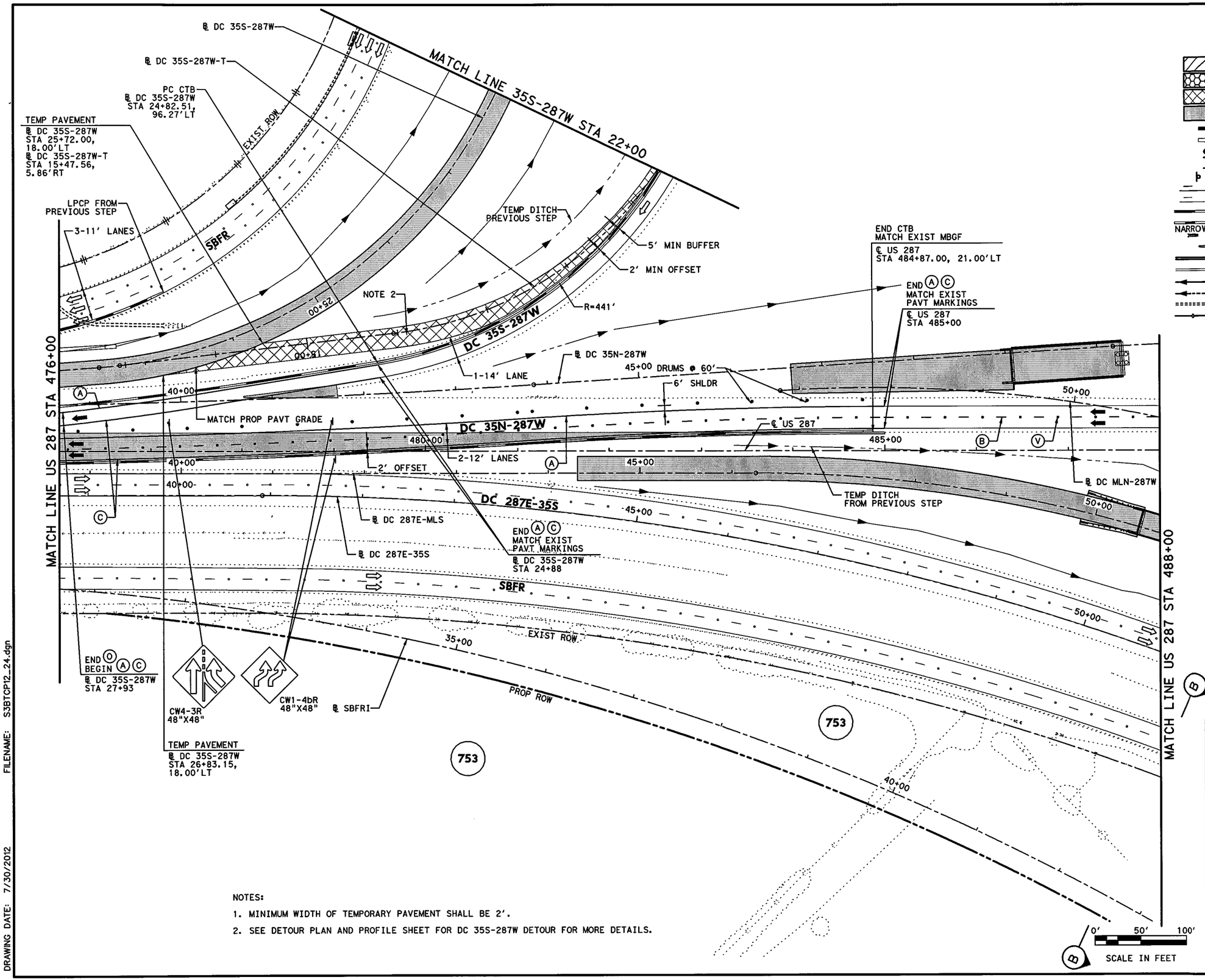
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

SCALE 1" = 100' SHEET 23 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 270 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP12_23.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

- Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
- Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
- Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
- Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
- Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
- Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
- Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
- Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
- Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
- Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
- Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
- Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
- Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
- Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

NOTES:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
2. SEE DETOUR PLAN AND PROFILE SHEET FOR DC 35S-287W DETOUR FOR MORE DETAILS.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

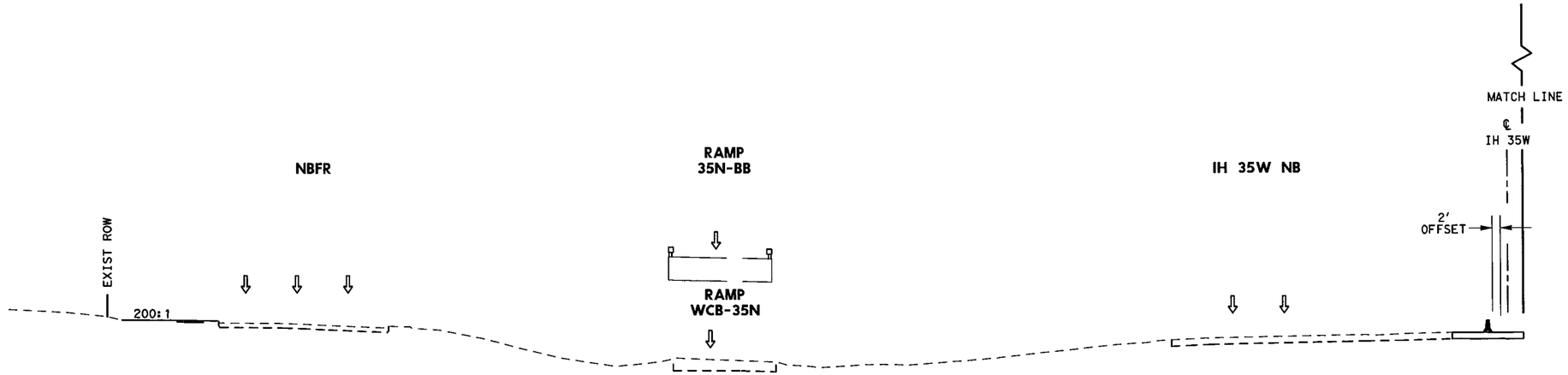
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2**

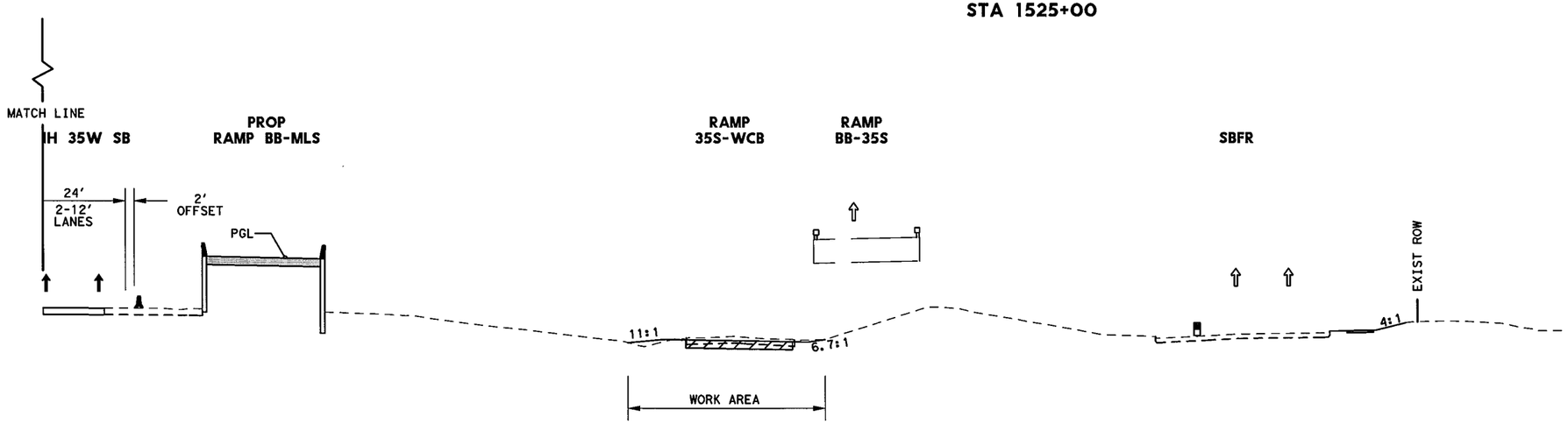
SCALE 1" = 100' SHEET 24 OF 24

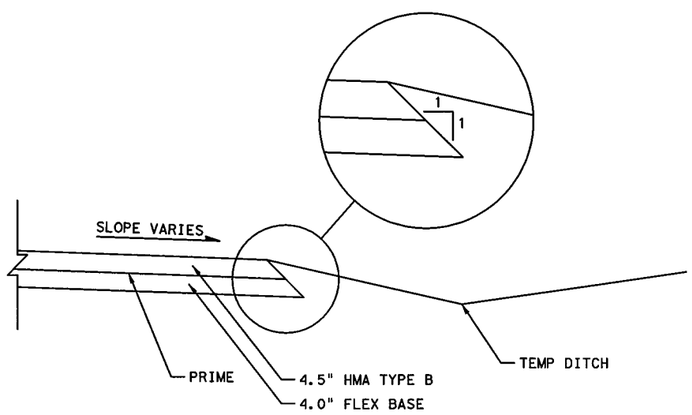
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 271 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP12_24.dgn
DRAWING DATE: 7/30/2012




TCP SECTION C-C
STA 1525+00




DETOUR & TEMP WIDENING
TYPICAL SECTION

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

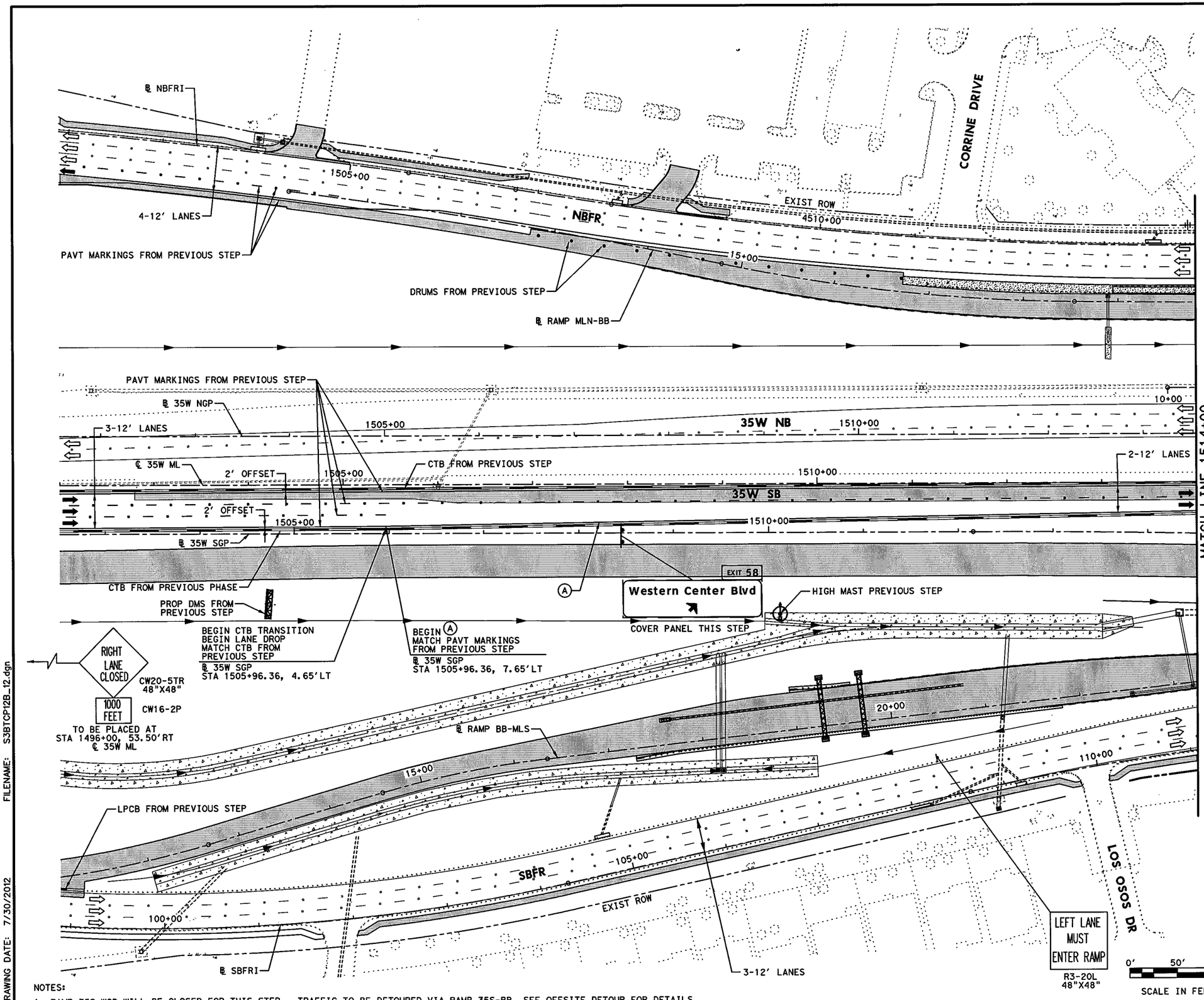
IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 1 STEP 2B

SCALE: NTS
SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 272 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT12B_01.dgn
DRAWING DATE: 7/29/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2B**

SCALE 1" = 100' SHEET 1 OF 3

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 273 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

NOTES:
1. RAMP 35S-WCB WILL BE CLOSED FOR THIS STEP. TRAFFIC TO BE DETOURED VIA RAMP 35S-BB. SEE OFFSITE DETOUR FOR DETAILS.

FILENAME: S3BTCP12B_12.dgn
DRAWING DATE: 7/30/2012

END (A)
MATCH PAVT MARKINGS
FROM PREVIOUS STEP
℄ 35W SGP
STA 1516+93.37, 31.65'LT

END CTB TRANSITION
END LANE DROP
MATCH CTB FROM
PREVIOUS STEP
℄ 35W SGP
STA 1516+93.37, 31.65'LT

PAVT MARKINGS FROM PREVIOUS STEP

SIGN FROM
PREVIOUS STEP

℄ NBFRI

EXIST ROW

NBFR

1520+00

1525+00

4515+00

10+00

15+00

20+00

25+00

1-12' LANE

RAMP 35N-BB

20+00

℄ RAMP 35N-BB

PROP PAVEMENT
30' WIDE RDWY
℄ 35W SGP
STA 1519+72.76, 18.00'RT
℄ RAMP 35S-WCB
STA 9+02.50, 24.00'LT

RAMP WCB-35N

SIGN FROM
PREVIOUS STEP

℄ RAMP MLN-BB

15+00

30+00

PAVT MARKINGS FROM PREVIOUS STEP

1525+00

℄ 35W NGP

1520+00

35W NB

MATCH LINE 1514+00

MATCH LINE 1526+00

1515+00

℄ 35W ML

1515+00

BEGIN BRIDGE
℄ RAMP BB-MLS
STA 27+32.64

2' OFFSET
2-12' LANES

END BRIDGE
℄ RAMP BB-MLS
STA 32+03.17

1520+00

1525+00

35W SB

2' OFFSET

1515+00

℄ 35W SGP

CTB FROM PREVIOUS STEP

35+00

28' RDWY

1520+00

30+00

12' BUFFER

1525+00

℄ RAMP 35S-WCB

END PROP PAVEMENT
℄ RAMP 35S-WCB
STA 15+50.00

NOTE 1

24' RDWY

10+00

RAMP 35S-WCB

℄ RAMP BB-MLS

25+00

RAMP BB-MLS

2-12' LANES
1-14' LANE

15+00

RAMP BB-35S

10+00

15+00

℄ RAMP BB-35S

END PROP PAVEMENT
℄ RAMP 35S-WCB
STA 15+29.19, 6.00'RT

115+00

SBFR

3120+00

EXIST ROW

℄ SBFRI

764(AC)

EXISTING PAVT MARKINGS

BEGIN (P)
℄ SBFRI
STA 113+82.31,
26.15'LT

BEGIN PROP PAVEMENT
℄ 35W SGP
STA 1515+86.53, 18.00'RT

PROP PAVEMENT
28' WIDE RDWY
℄ 35W SGP
STA 1517+82.35, 18.00'RT
℄ RAMP 35S-WCB
STA 7+12.56, 18.00'LT

BEGIN PROP PAVEMENT
℄ 35W SGP
STA 1515+86.53, 46.00'RT

INSTALL PROP COSS
THIS STEP

R=11477.1559'
Δ=0° 57' 7.41" LT

END (P) (C)
BEGIN
℄ SBFRI
STA 117+20.24,
23.85'LT

END (P)
MATCH EXISTING
PAVT MARKINGS
℄ SBFRI
STA 117+40.85,
51.79'LT

PROP PAVEMENT
24' WIDE RDWY
℄ 35S WCB
STA 9+02.80, 18.00'LT

DRUMS @ 40'

PROP RET WALL
CONSTRUCTION
THIS STEP

R=11441.1559'
Δ=1° 31' 5.49" LT

R=2518'
Δ=6° 35' 58.08" RT

PHYSICAL GORE
℄ 35W SGP
STA 1523+15.56,
42.00'RT
℄ RAMP 35S-WCB
STA 12+47.24,
18.00'LT

PRC PROP PAVEMENT
24' WIDE RDWY
℄ 35W SGP
STA 1522+74.70, 39.50'RT
℄ RAMP 35S-WCB
STA 12+06.44, 18.00'LT

NARROW
LANES
AHEAD

CW20-8T
48"X48"

0' 50' 100'
SCALE IN FEET

NOTES:
1. RAMP 35S-WCB WILL BE CLOSED FOR THIS STEP. TRAFFIC TO BE DETOURED VIA RAMP 35S-BB. SEE OFFSITE DETOUR FOR DETAILS.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

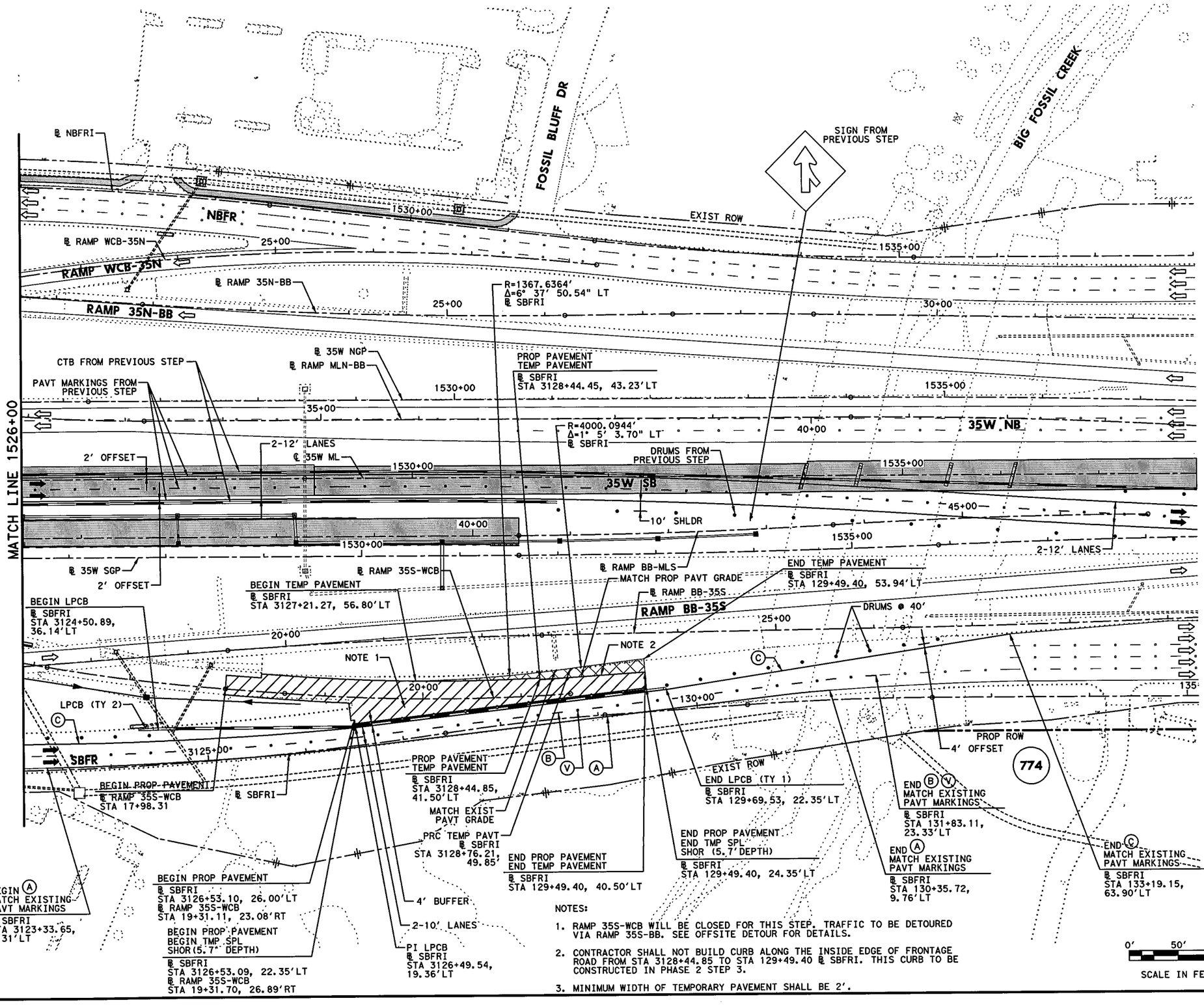
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2B**

SCALE 1" = 100' SHEET 2 OF 3

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 274 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP12B_13.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. RAMP 35S-WCB WILL BE CLOSED FOR THIS STEP. TRAFFIC TO BE DETOURED VIA RAMP 35S-BB. SEE OFFSITE DETOUR FOR DETAILS.
2. CONTRACTOR SHALL NOT BUILD CURB ALONG THE INSIDE EDGE OF FRONTAGE ROAD FROM STA 3128+44.85 TO STA 129+49.40 ℄ SBFRI. THIS CURB TO BE CONSTRUCTED IN PHASE 2 STEP 3.
3. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

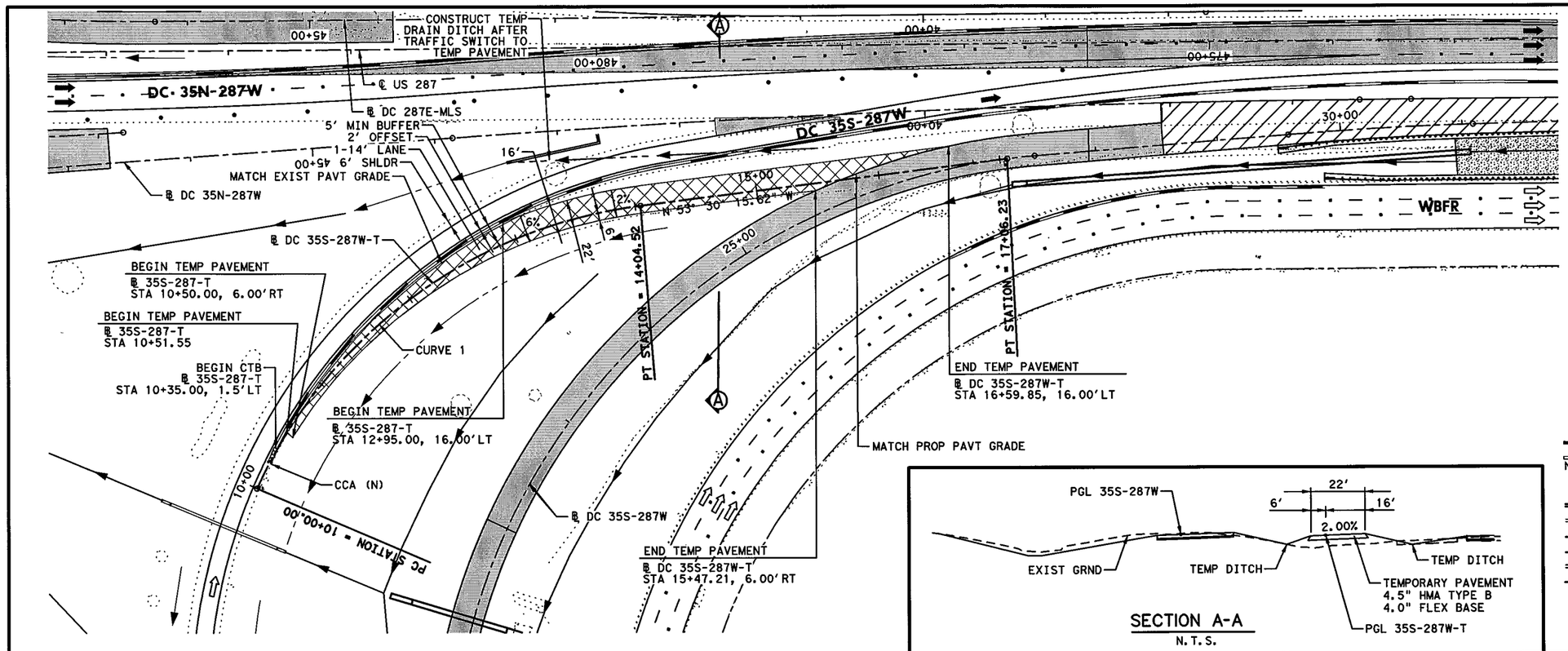
**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 2B**

SCALE 1" = 100'

SHEET 3 OF 3

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 274A |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S35TCP12B_14.dgn
DRAWING DATE: 7/30/2012







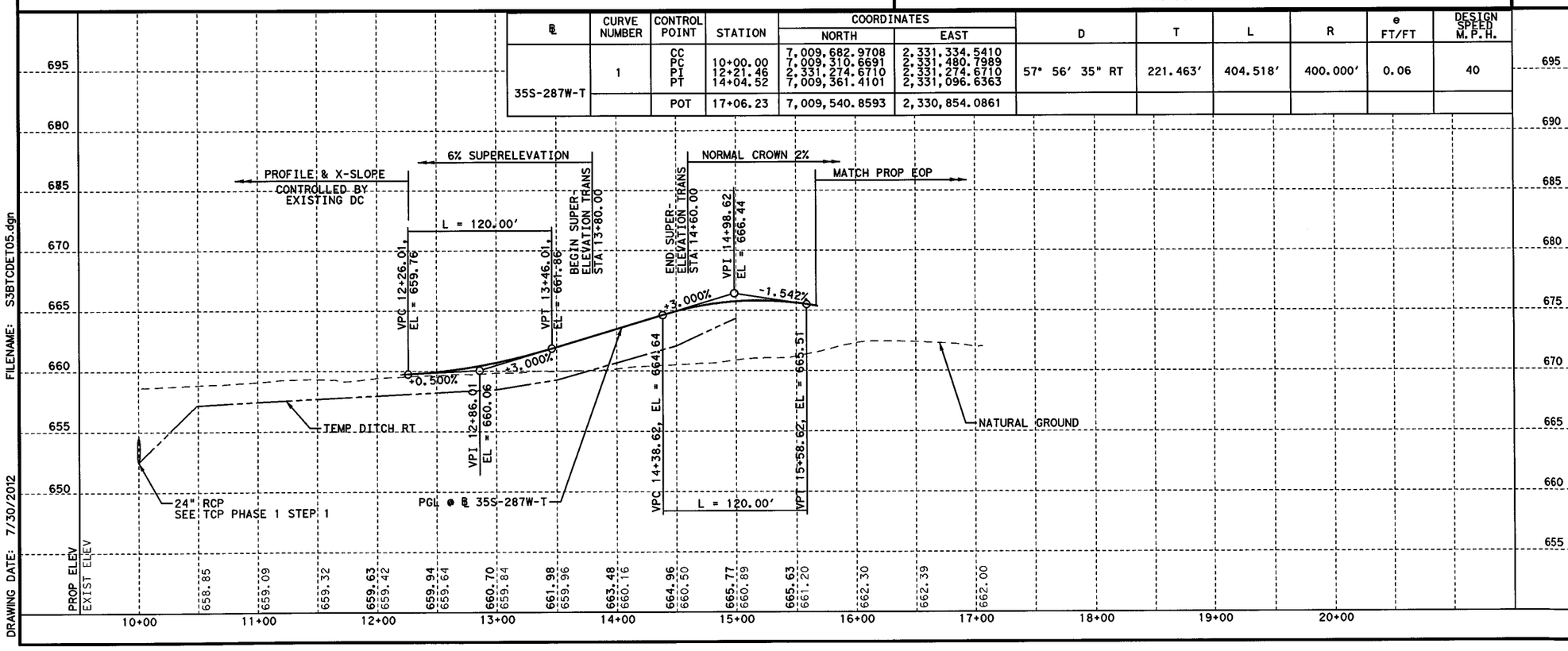
SECTION A-A
N.T.S.

HORZ 0' 25' 50' 100'
VERT 0' 5' 10'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- NEW PAVEMENT OPEN TO TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- PORTABLE SIGN/ARROW BOARD
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

| ℄ | CURVE NUMBER | CONTROL POINT | STATION | COORDINATES NORTH | COORDINATES EAST | D | T | L | R | e FT/FT | DESIGN SPEED M.P.H. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 35S-287W-T | 1 | CC | | 7,009,682.9708 | 2,331,334.5410 | 57° 56' 35" RT | 221.463' | 404.518' | 400.000' | 0.06 | 40 |
| | | PC | 10+00.00 | 7,009,310.6691 | 2,331,480.7989 | | | | | | |
| | | PI | 12+21.46 | 2,331,274.6710 | 2,331,274.6710 | | | | | | |
| | | PT | 14+04.52 | 7,009,361.4101 | 2,331,096.6363 | | | | | | |
| | | POT | 17+06.23 | 7,009,540.8593 | 2,330,854.0861 | | | | | | |




STATE OF TEXAS
B. VANDERWALT
81580
LICENSED
PROFESSIONAL ENGINEER
B. Vanderwalt P.E.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

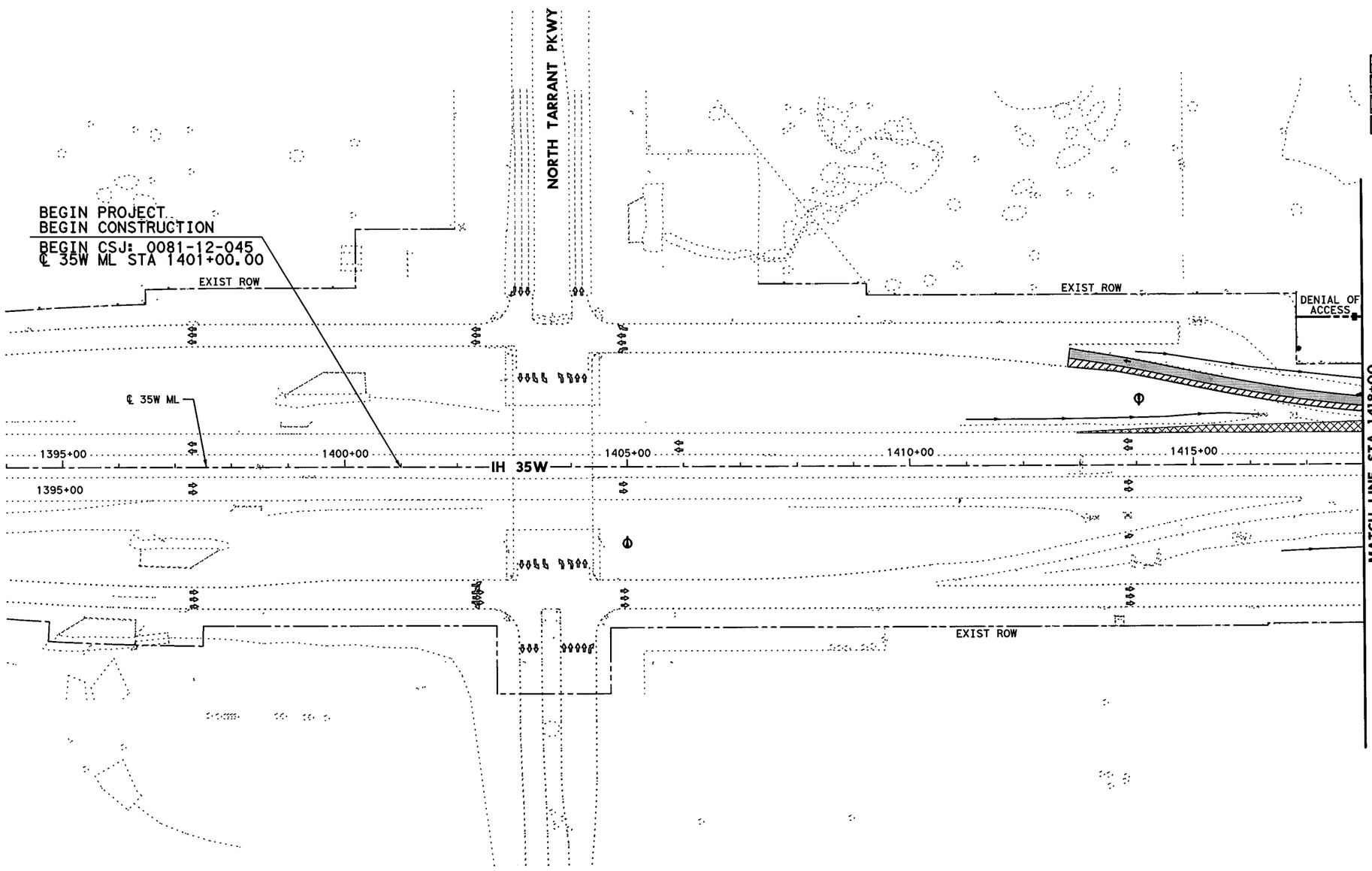
# DETOUR DC 35S-287W

SCALE 1" = 100' SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | HIGHWAY NO. |
|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | IH 35W |
| | STATE | DISTRICT | COUNTY |
| CHECK | TEXAS | FTW | TARRANT |
| CHECK | CONTROL | SECTION | JOB |
| | 0014 | 16 | 255, ETC. |

SHEET NO. 275

FILENAME: S3BTCDET05.dgn
DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 1 STEP 3

## BEGIN PROJECT TO STA 1418+00

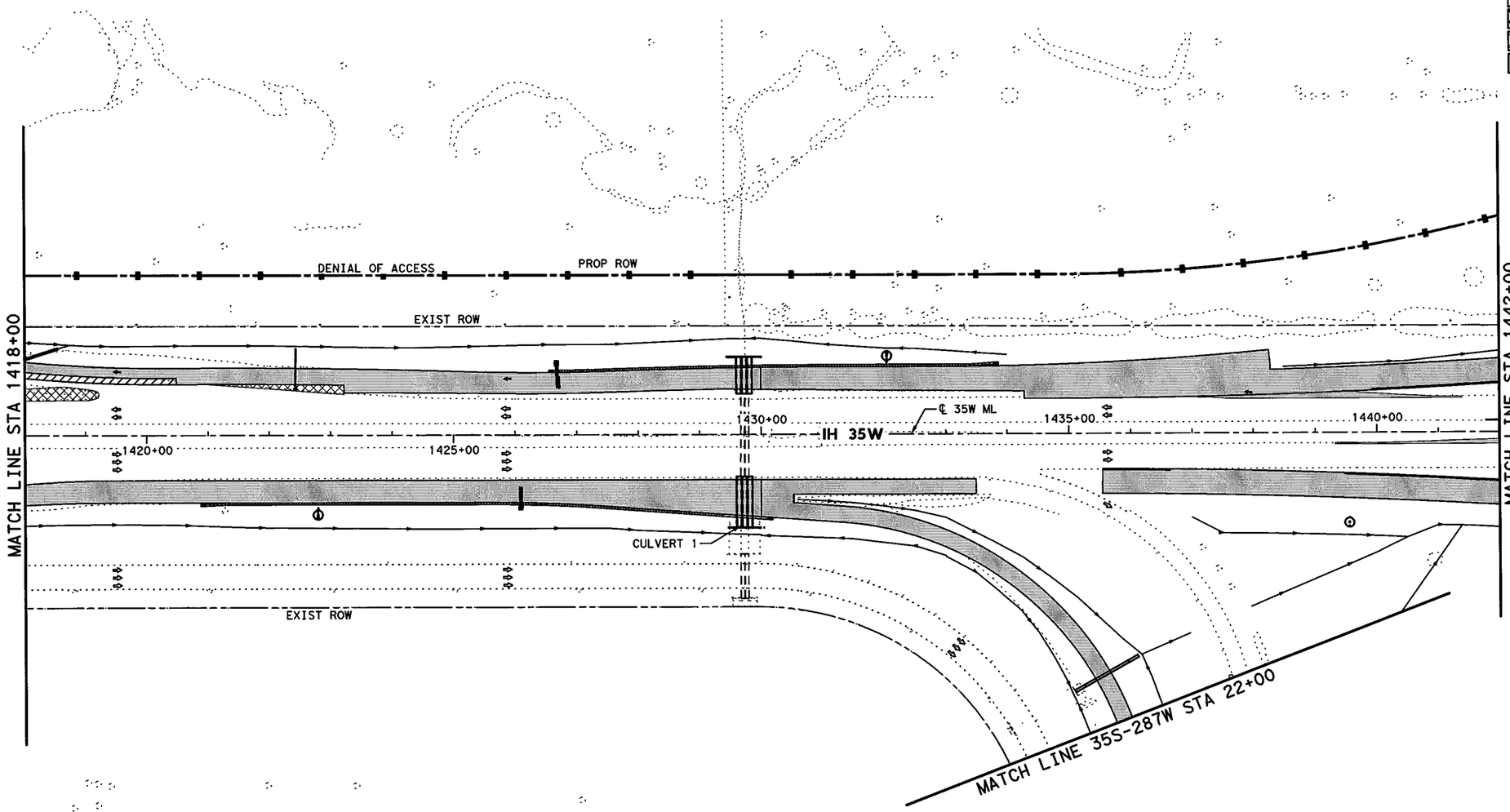
SCALE: 1" = 200'

SHEET 1 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 276 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL13_01.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 1 STEP 3

## STA 1418+00 TO STA 1442+00

SCALE: 1" = 200'

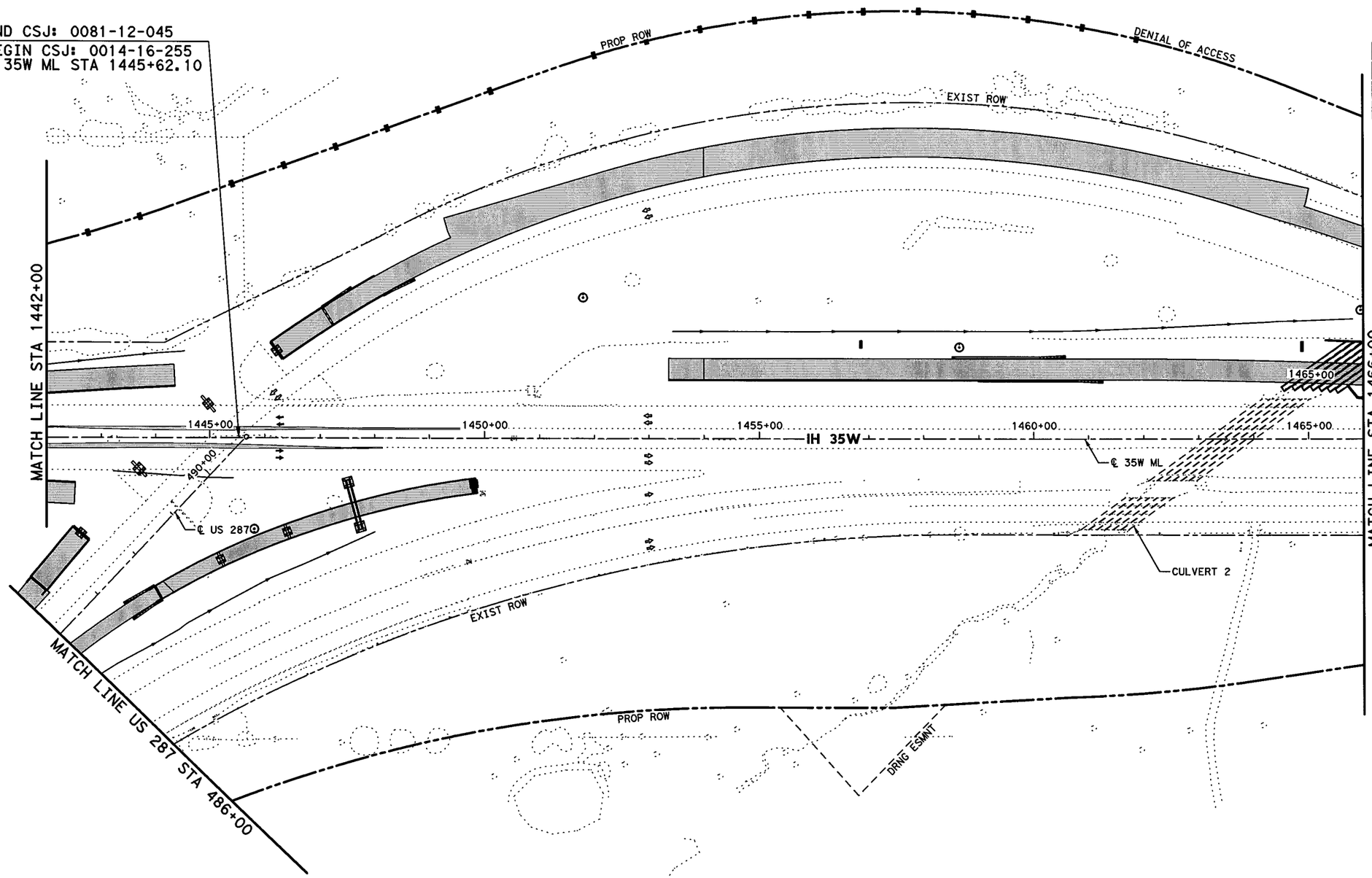
SHEET 2 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 277 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL13_02.dgn

DRAWING DATE: 7/29/2012

END CSJ: 0081-12-045
BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




0' 50' 100' 200'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

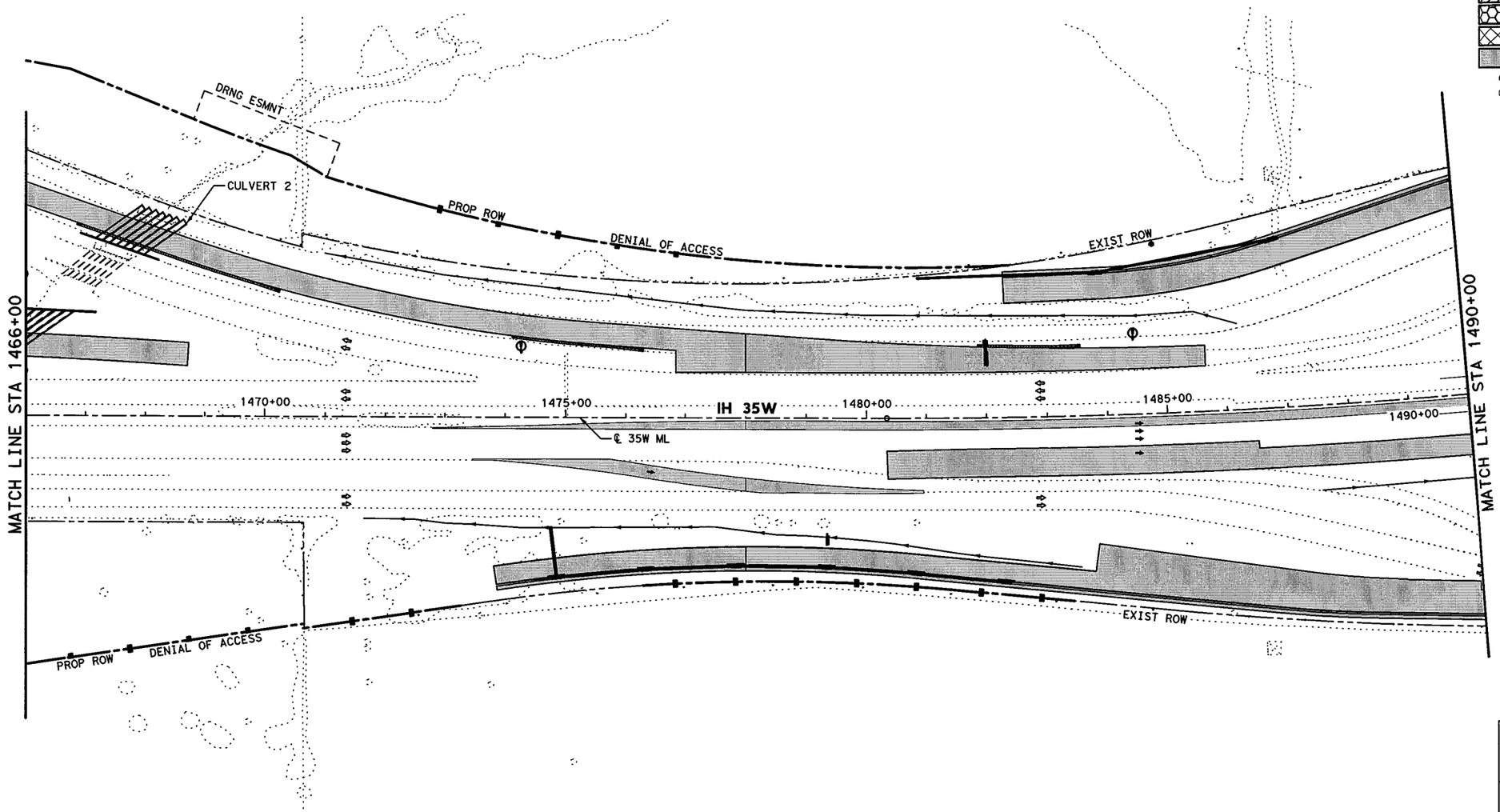
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 1 STEP 3
## STA 1442+00 TO STA 1466+00

SCALE: 1" = 200' SHEET 3 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 278 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL13_03.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

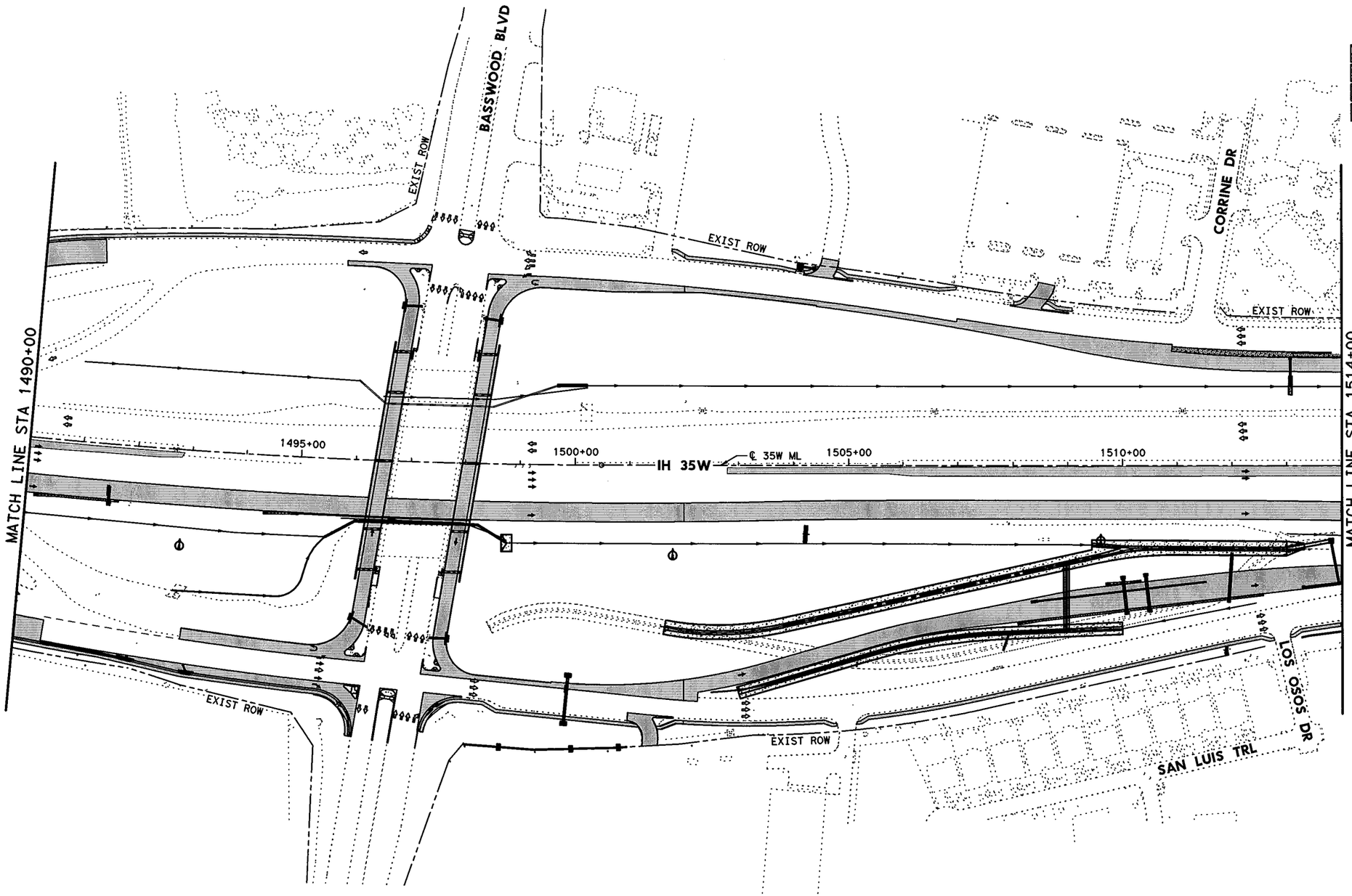
**PHASE 1 STEP 3**

**STA 1466+00 TO STA 1490+00**

SCALE: 1" = 200' SHEET 4 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 279 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL13_04.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 1 STEP 3

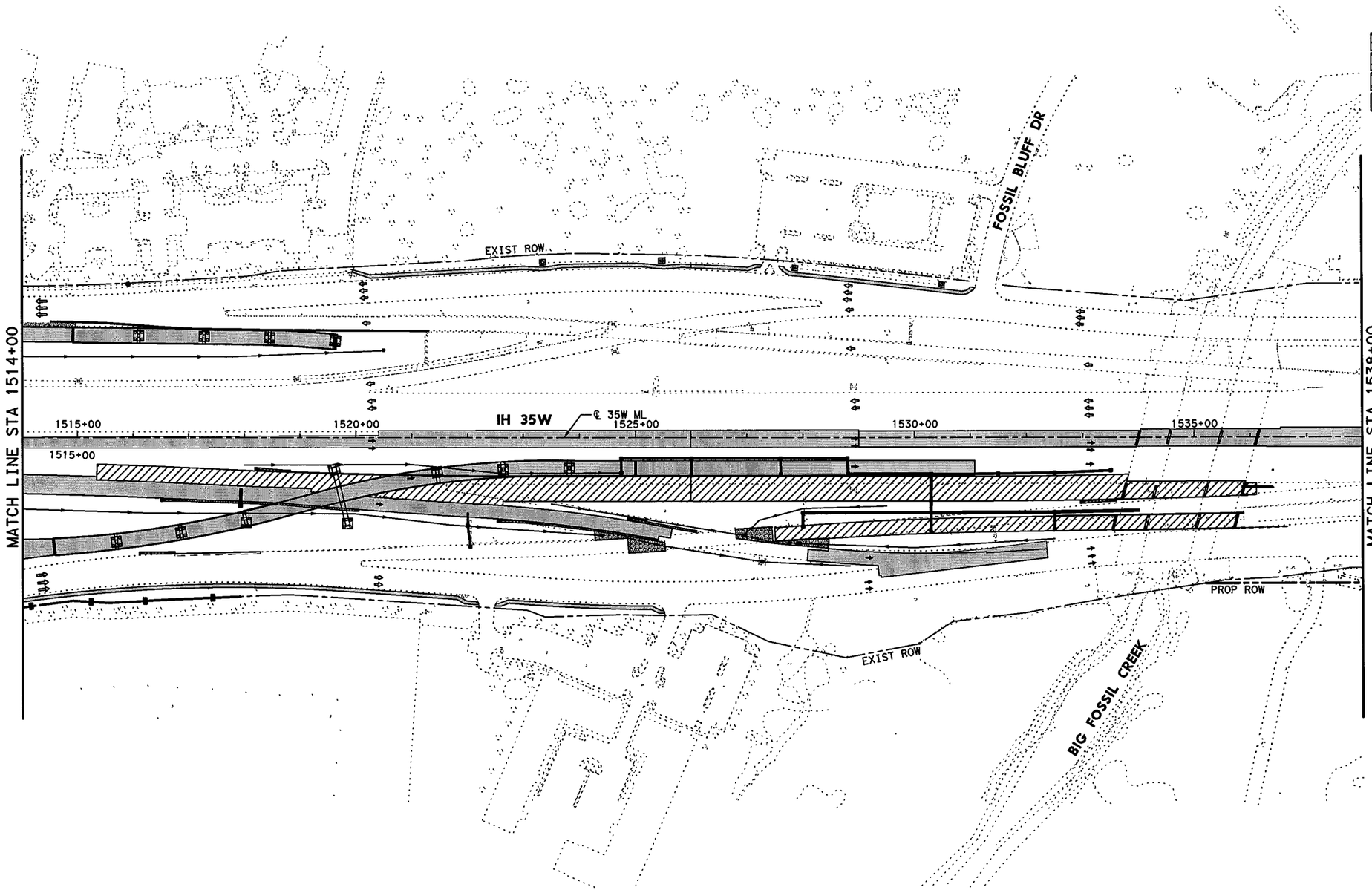
## STA 1490+00 TO STA 1514+00

SCALE: 1" = 200'

SHEET 5 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 280 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL13_05.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

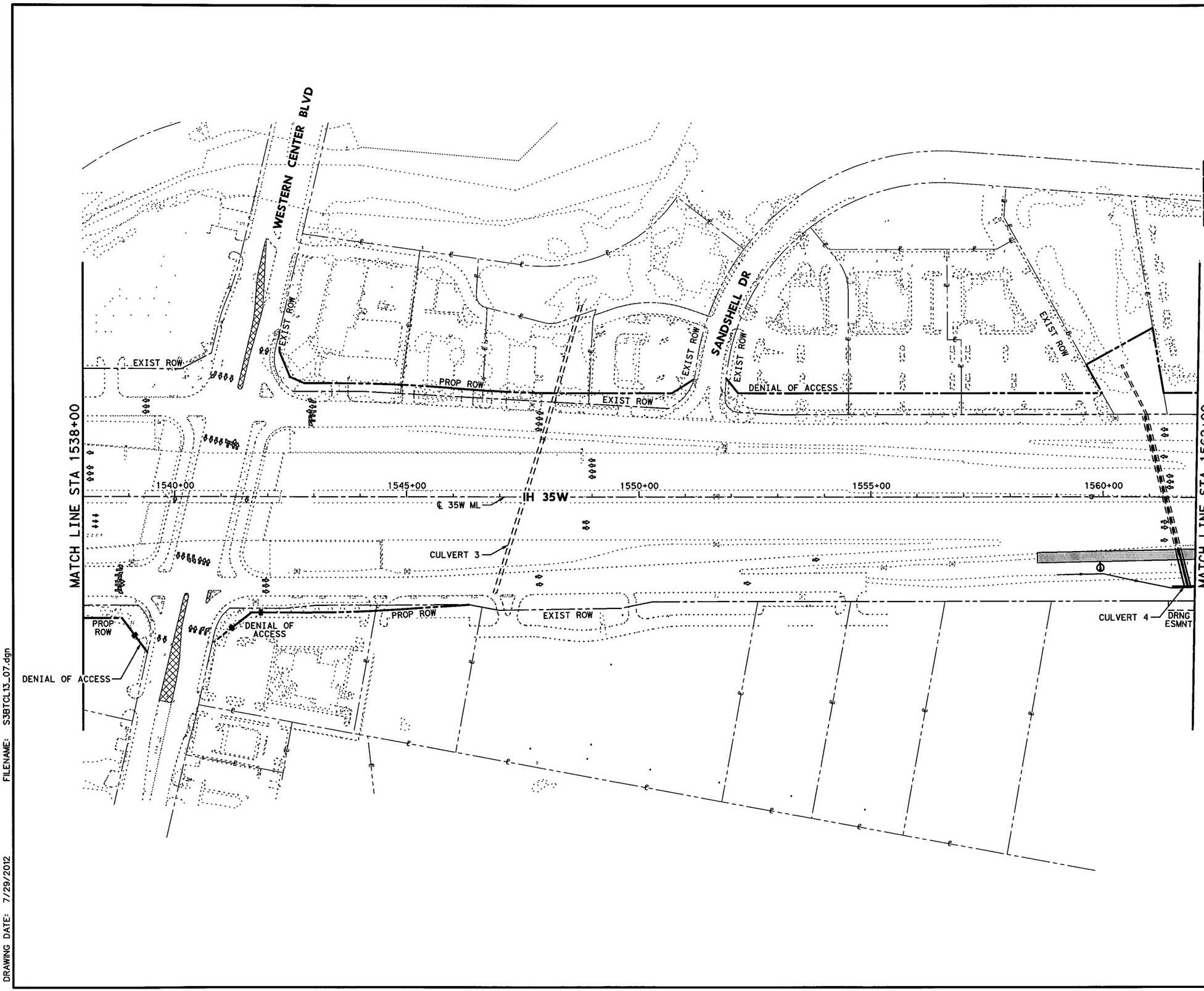
# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 1 STEP 3
## STA 1514+00 TO STA 1538+00

SCALE: 1" = 200'

SHEET 6 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 281 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL13_06.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 1 STEP 3**

**STA 1538+00 TO STA 1562+00**

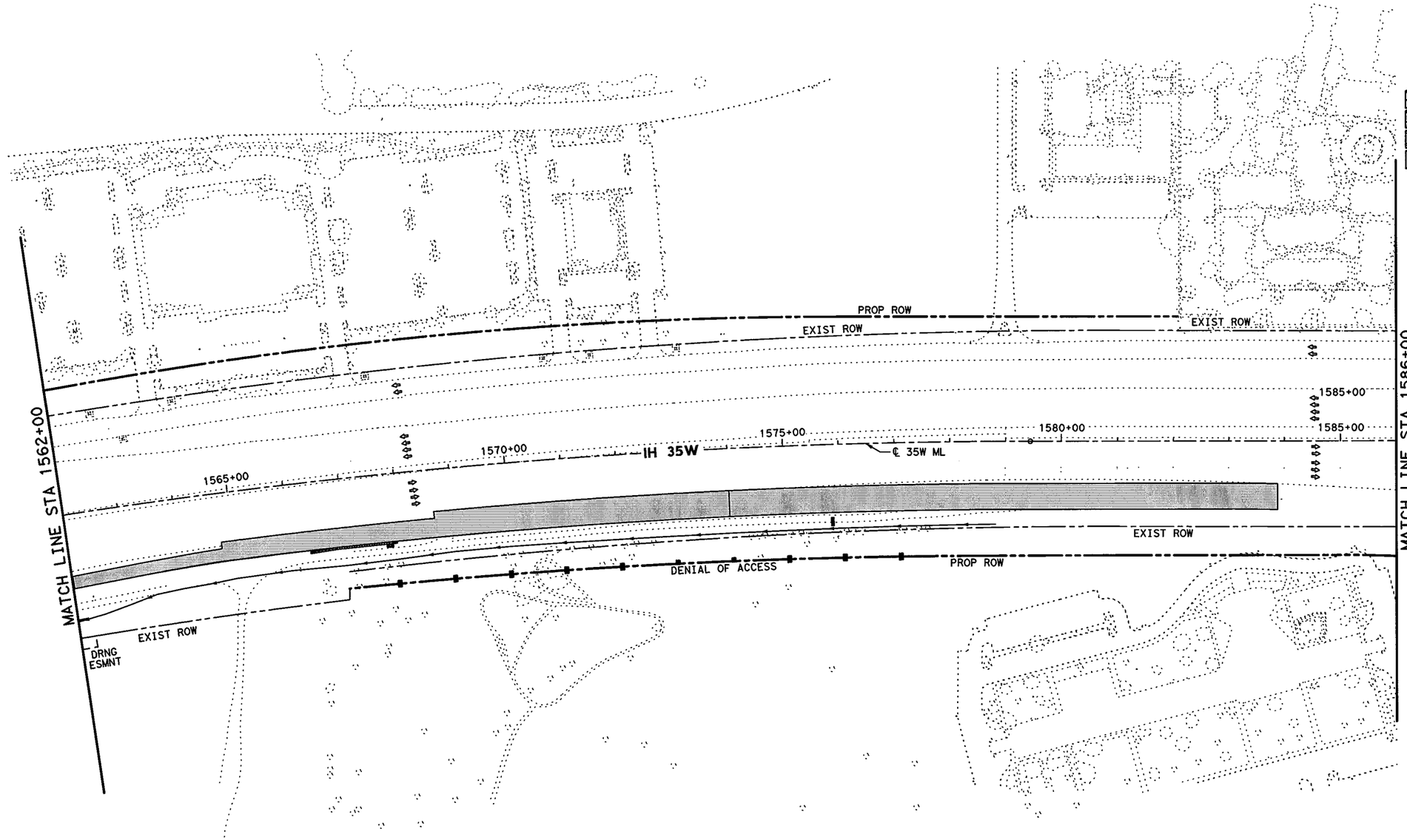
SCALE: 1" = 200'

SHEET 7 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 282 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL13_07.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 1 STEP 3

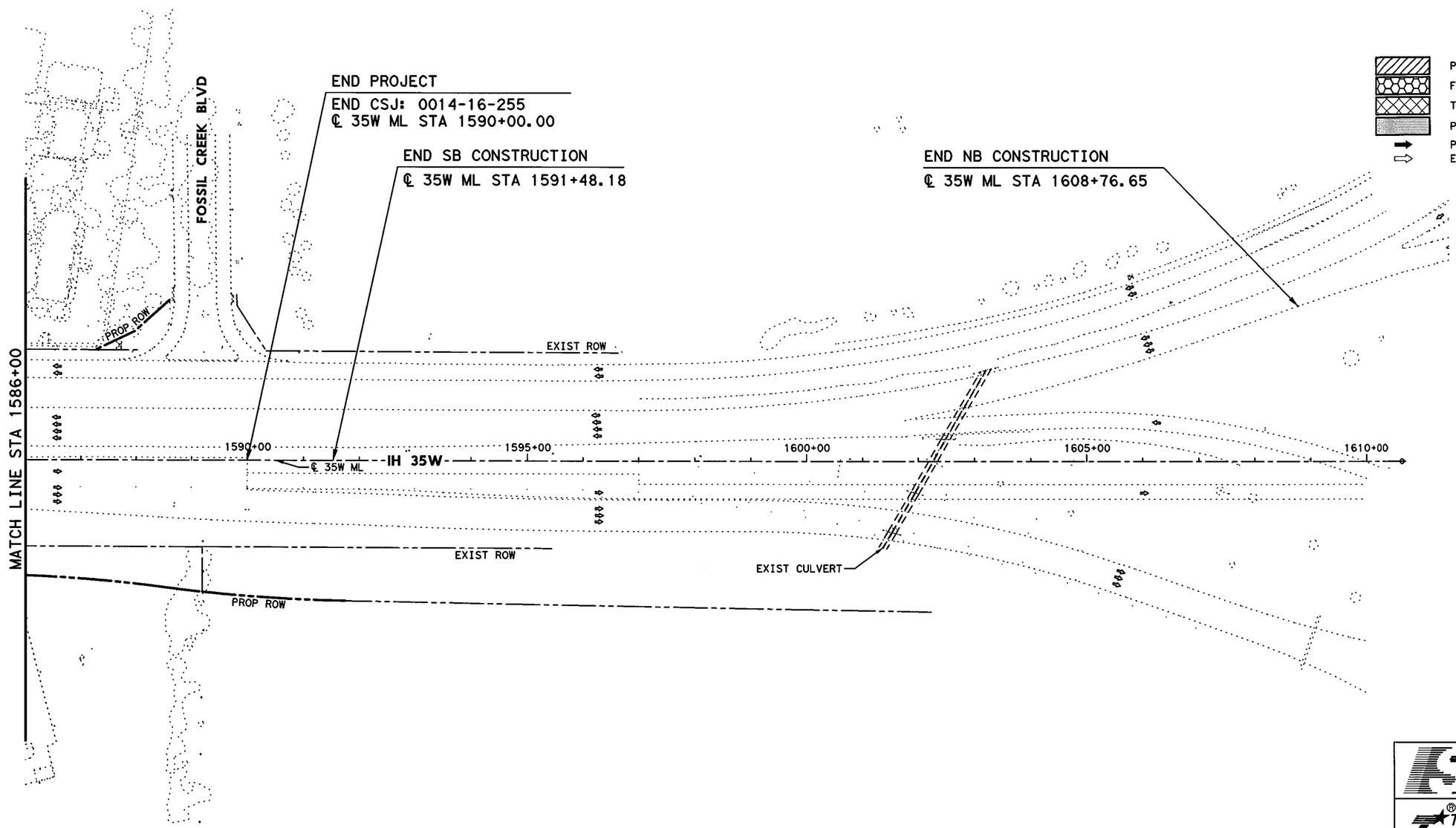
## STA 1562+00 TO STA 1586+00

SCALE: 1" = 200'

SHEET 8 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 283 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL13_08.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 1 STEP 3**

**STA 1586+00 TO END PROJECT**

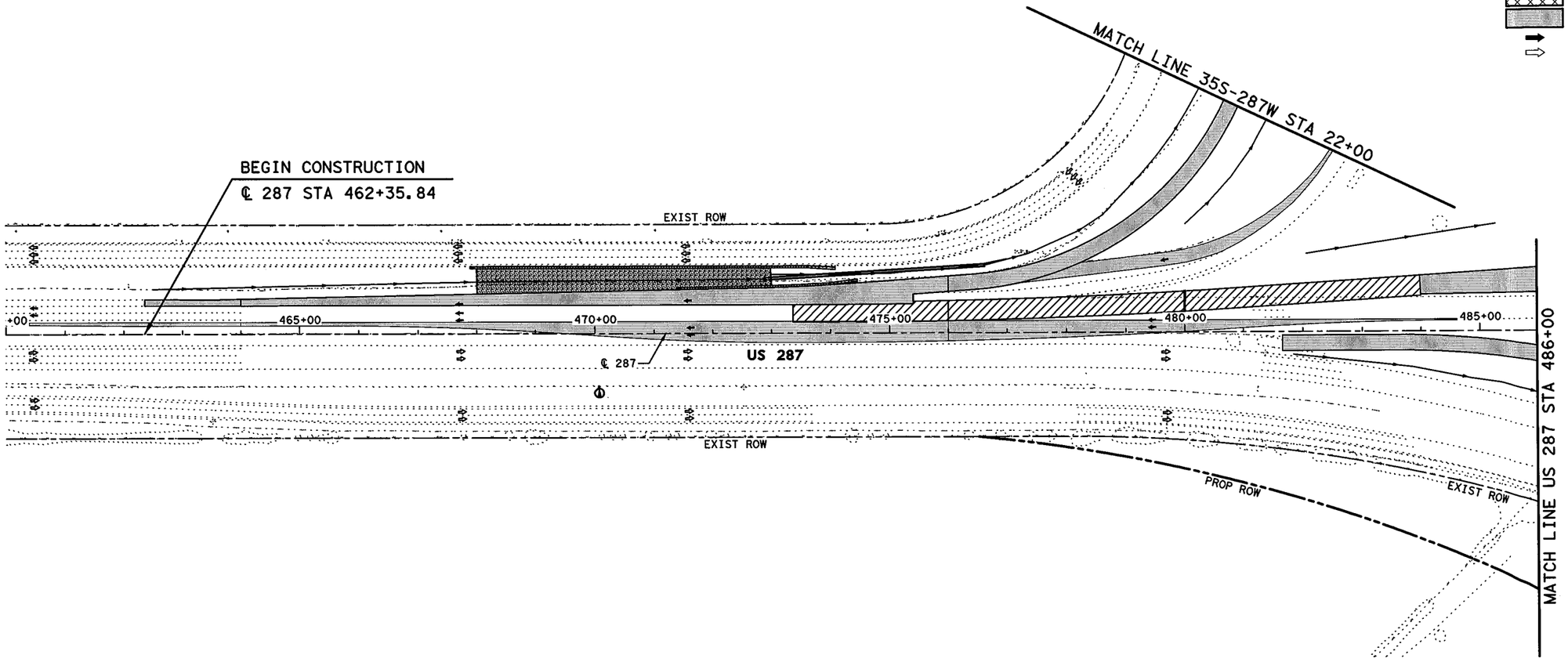
SCALE: 1" = 200'

SHEET 9 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 284 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL13_09.dgn

DRAWING DATE: 7/29/2012




0′ 50′ 100′ 200′

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 1 STEP 3**

**STA 460+00 TO STA 486+00**

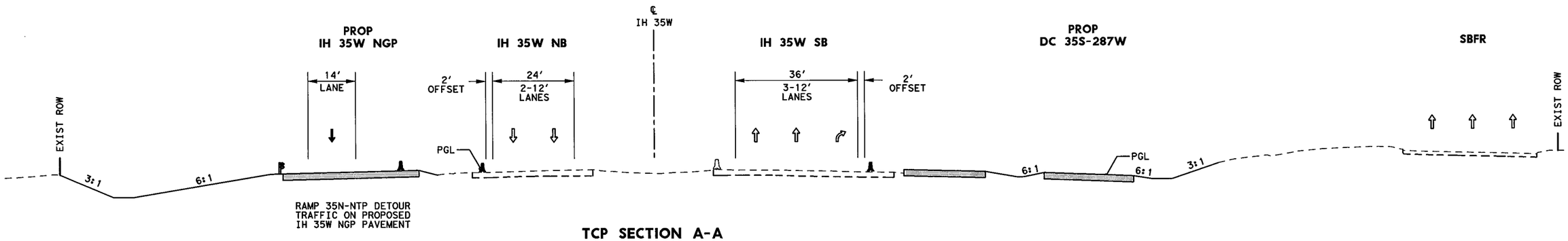
SCALE: 1" = 200'

SHEET 10 OF 10

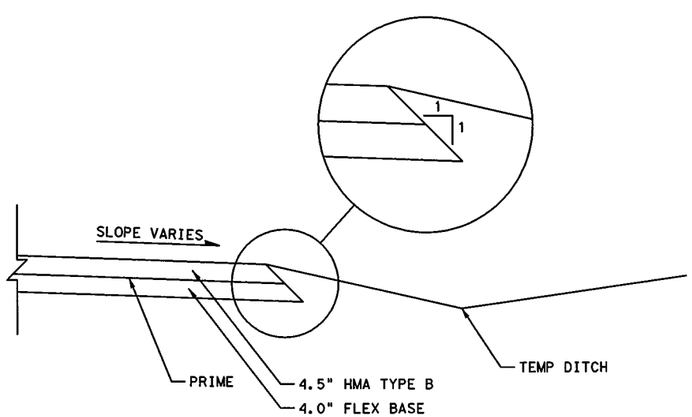
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 285 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL13_10.dgn

DRAWING DATE: 7/29/2012




**TCP SECTION A-A**
**STA 1431+00**




**DETOUR & TEMP WIDENING**
**TYPICAL SECTION**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

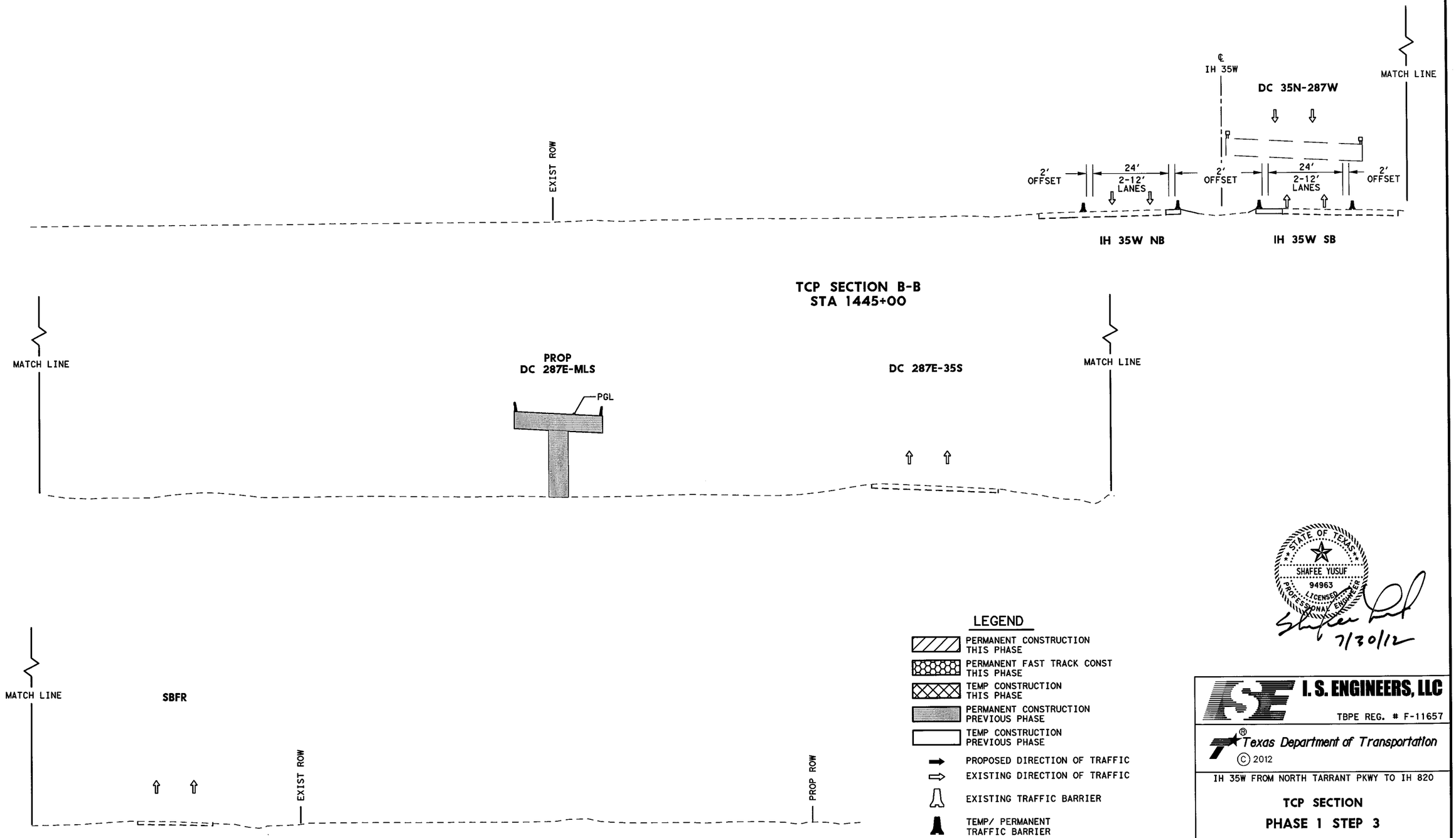
**TCP SECTION**
**PHASE 1 STEP 3**

SCALE: NTS

SHEET 1 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 286 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCT13_01.dgn




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

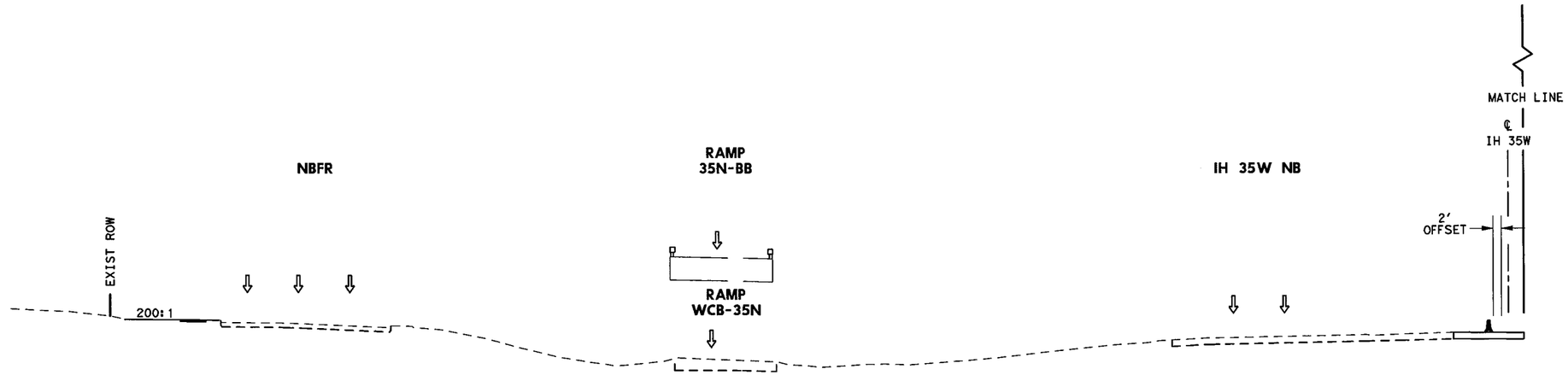
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 1 STEP 3**

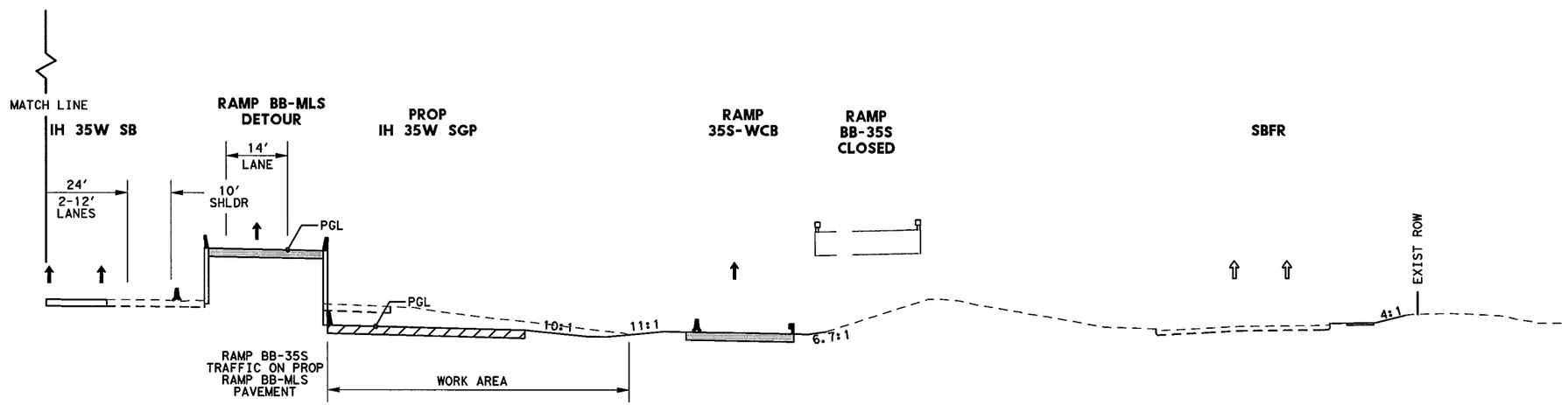
SCALE: NTS — SHEET 2 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 287 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCT13_02.dgn
DRAWING DATE: 7/29/2012




TCP SECTION C-C
STA 1525+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

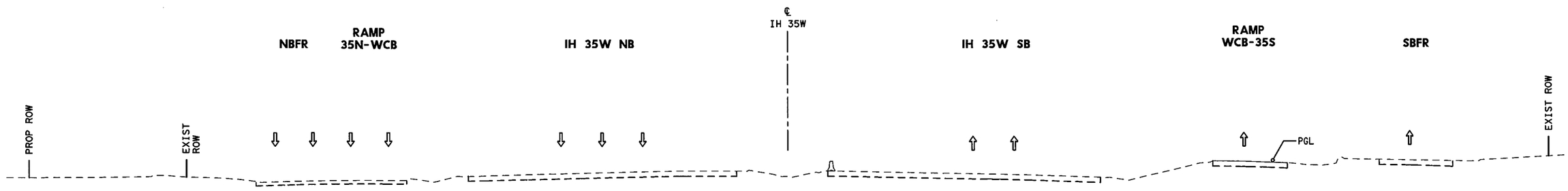
IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 1 STEP 3

SCALE: NTS
SHEET 3 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 288 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCT13_03.dgn
DRAWING DATE: 7/29/2012




**TCP SECTION D-D**
**STA 1554+00**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

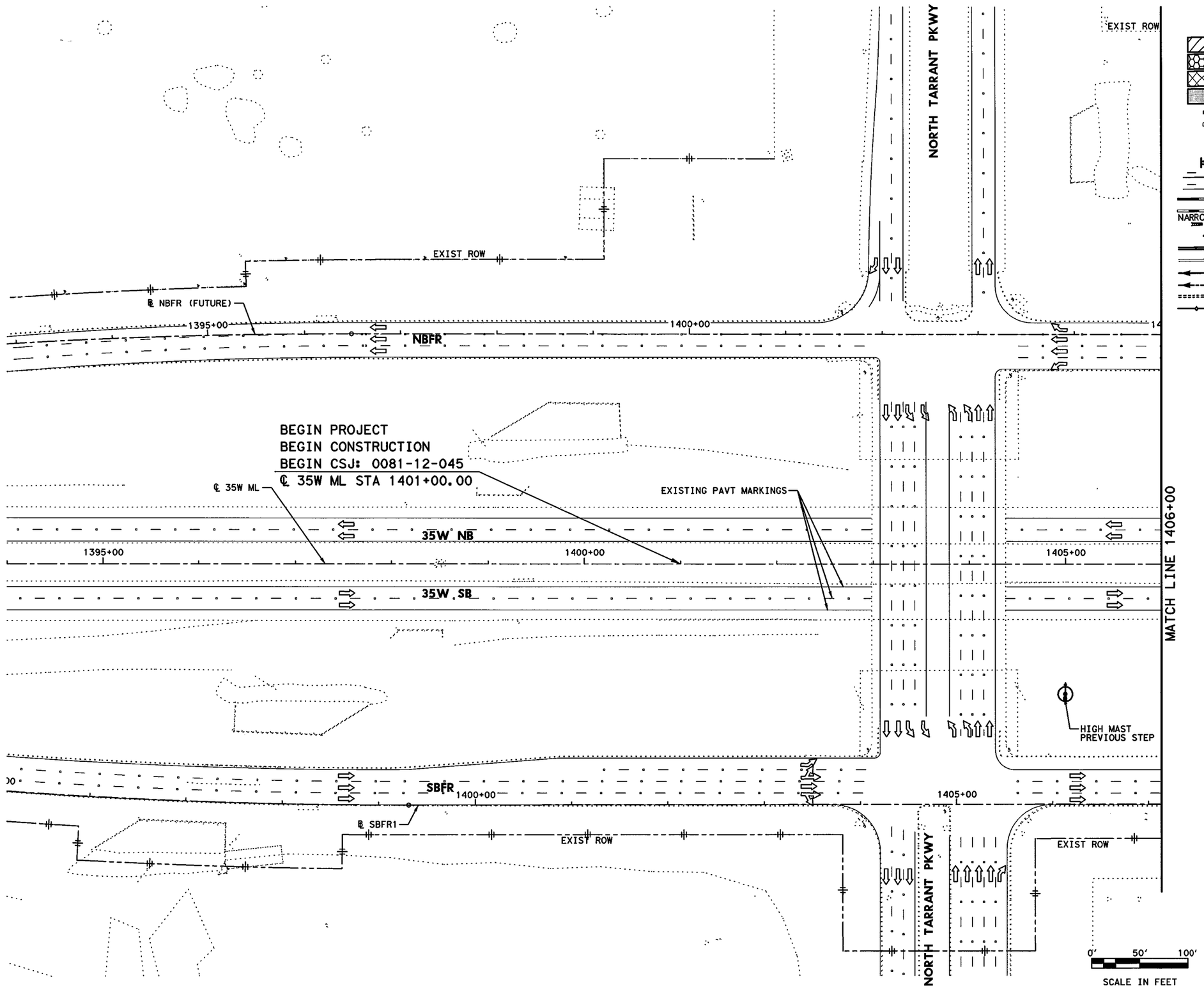
**TCP SECTION**
**PHASE 1 STEP 3**

SCALE: NTS

SHEET 4 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 289 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCT13_04.dgn




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

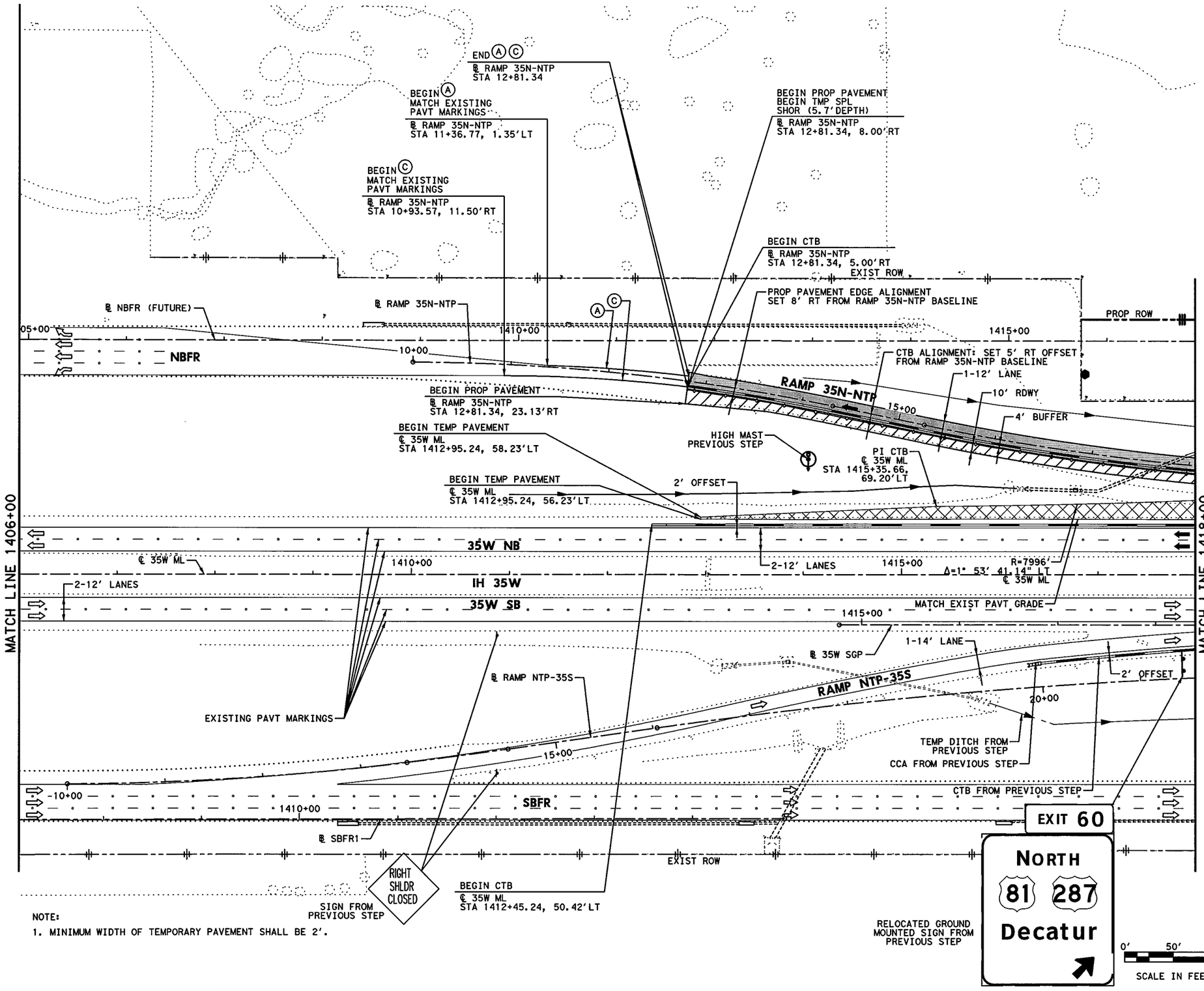
**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100'

SHEET 1 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 290 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP13_01.dgn
DRAWING DATE: 7/30/2012




NOTE:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

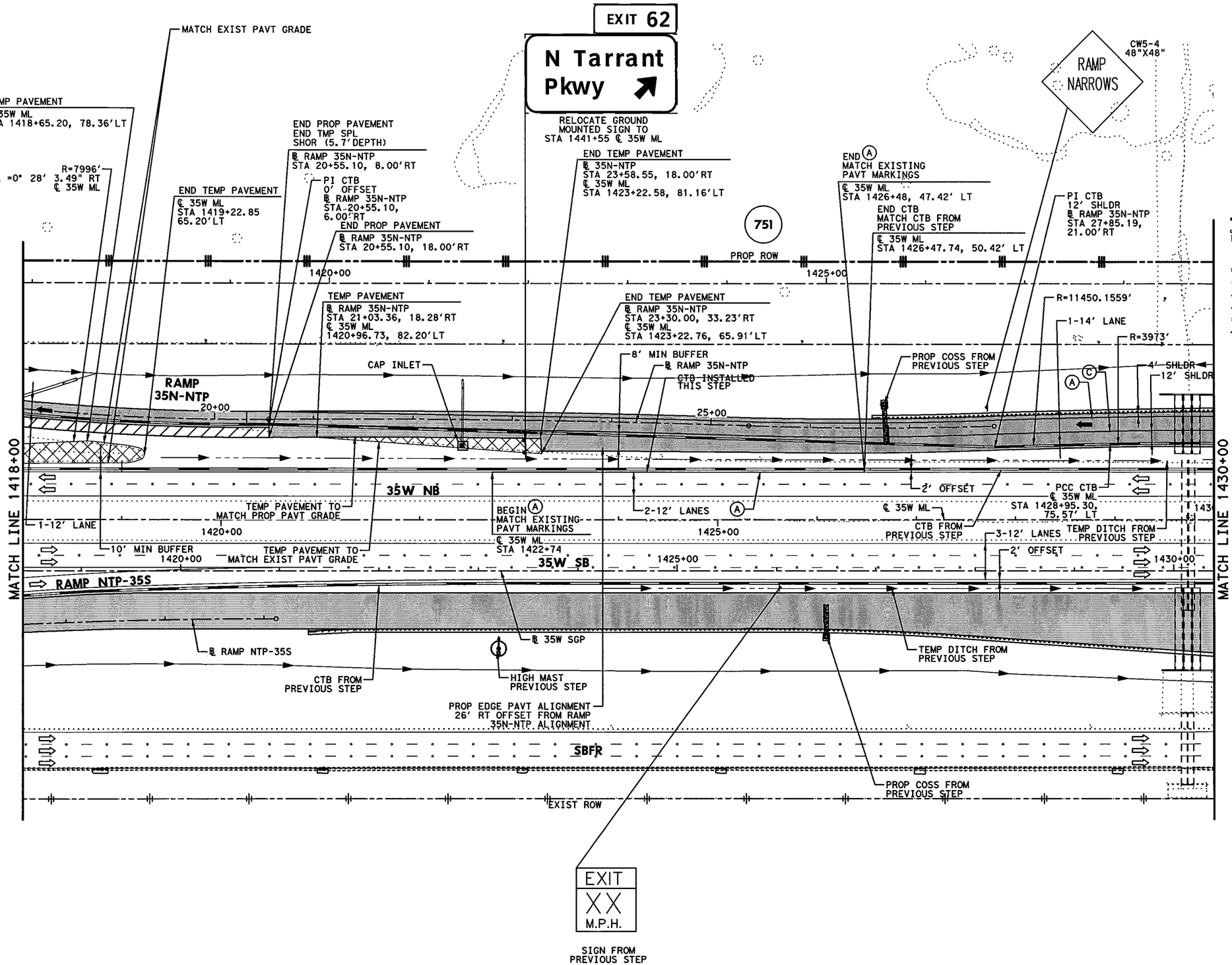
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 2 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 291 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP13_02.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE — CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:
1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

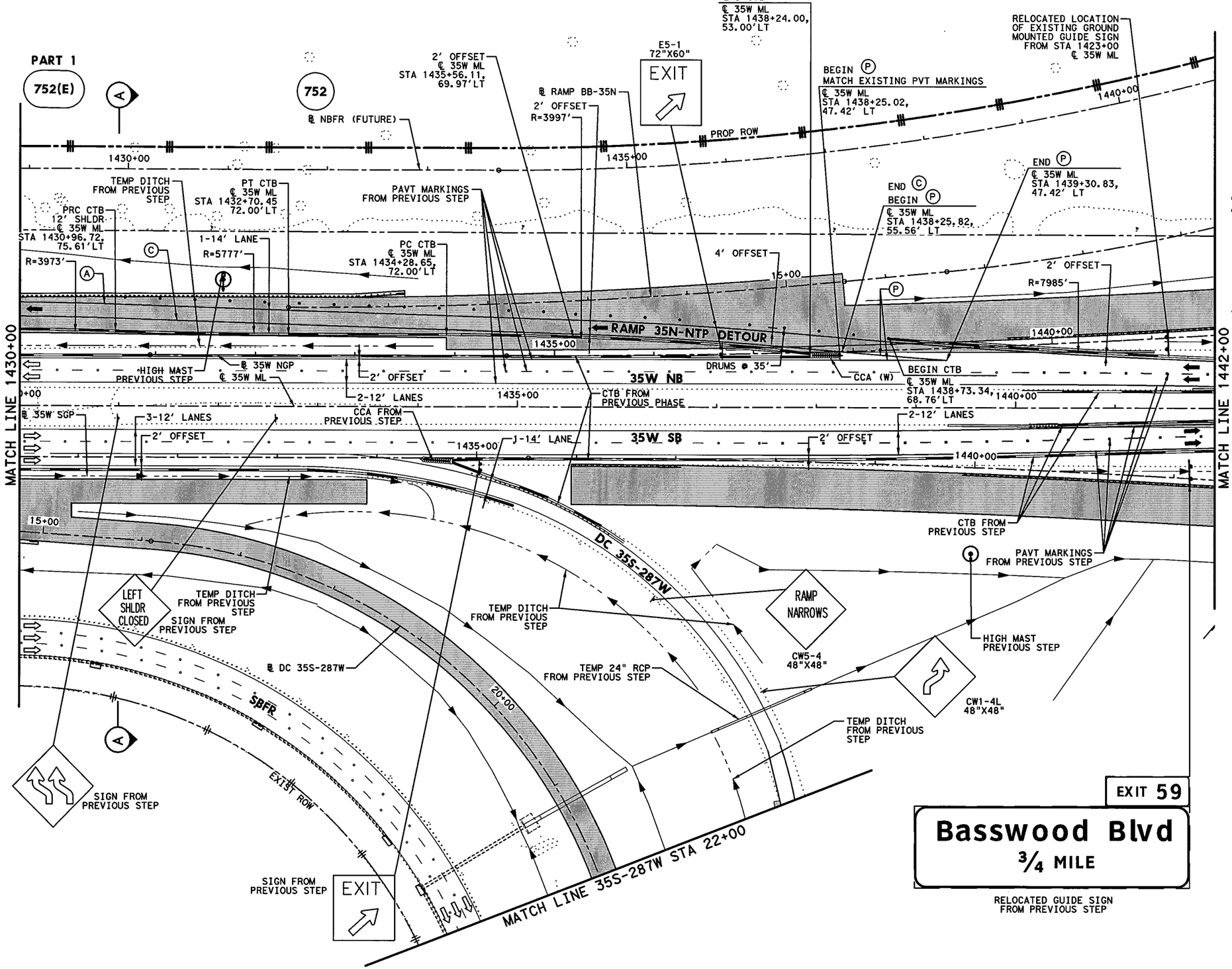
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 3 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 292 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP13_03.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

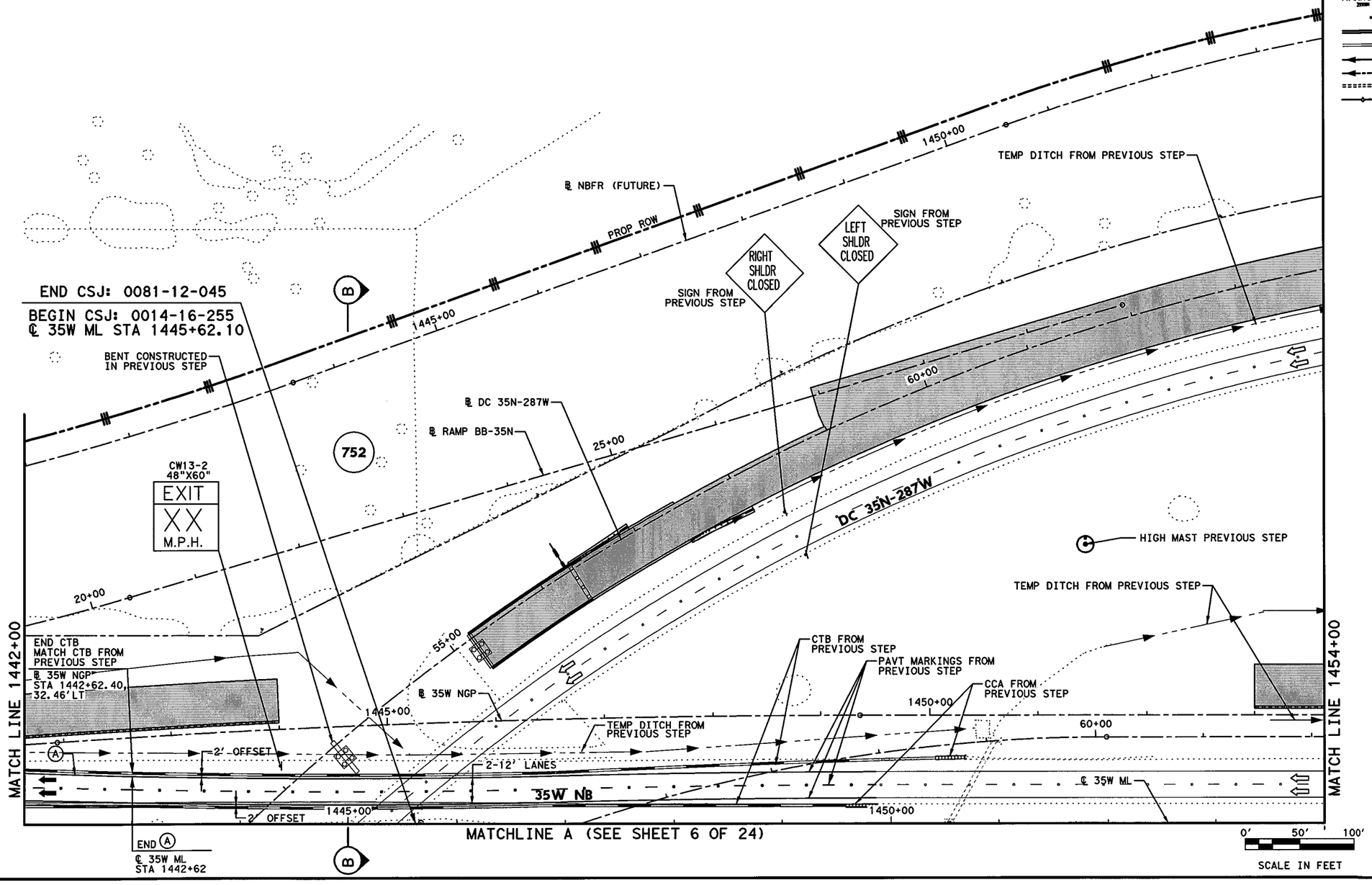
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 4 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 293 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP13_04.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

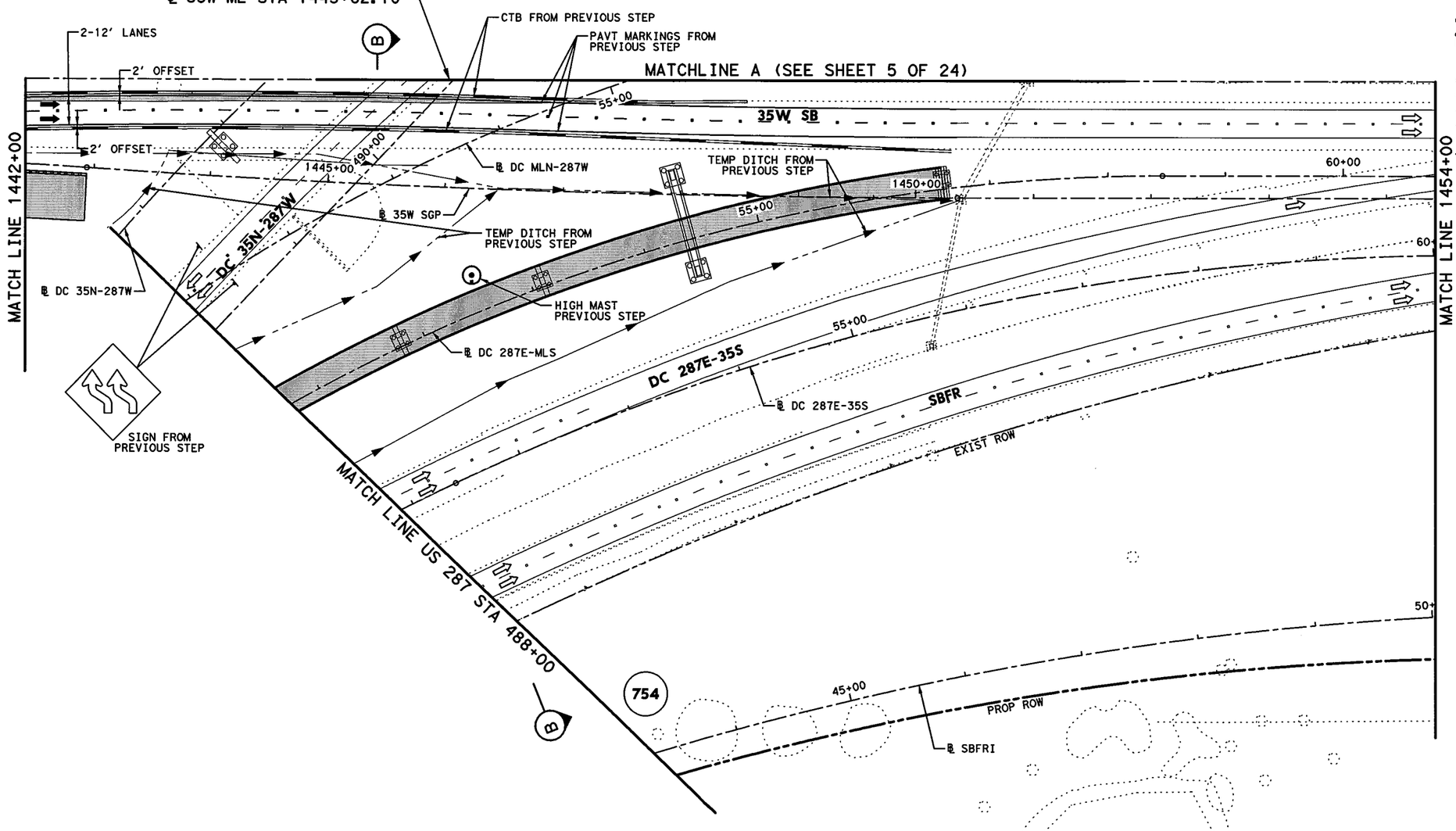
SCALE 1" = 100' SHEET 5 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 294 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP13_05.dgn
DRAWING DATE: 7/30/2012

END CSJ: 0081-12-045

BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

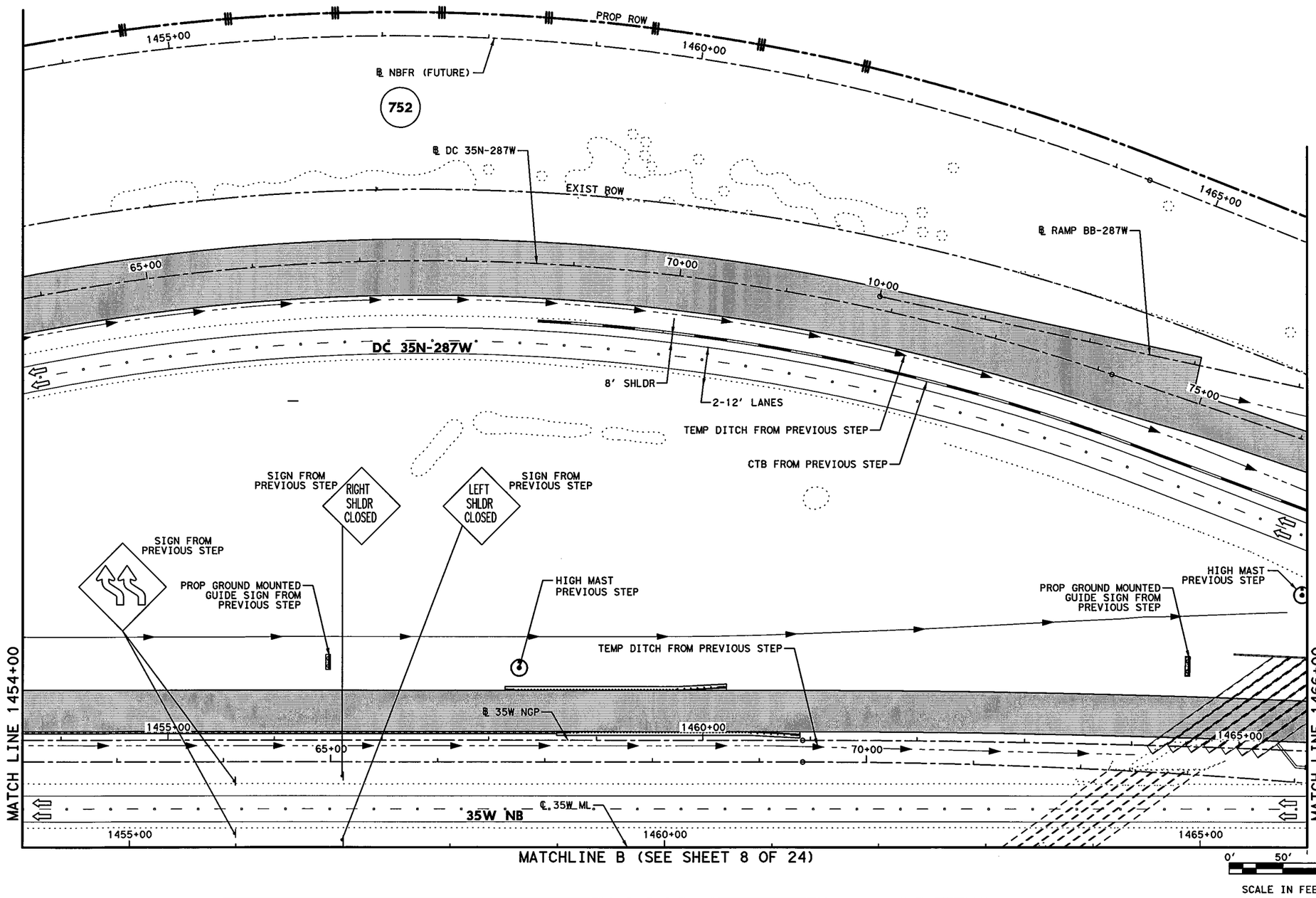
SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 295 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP13_06.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

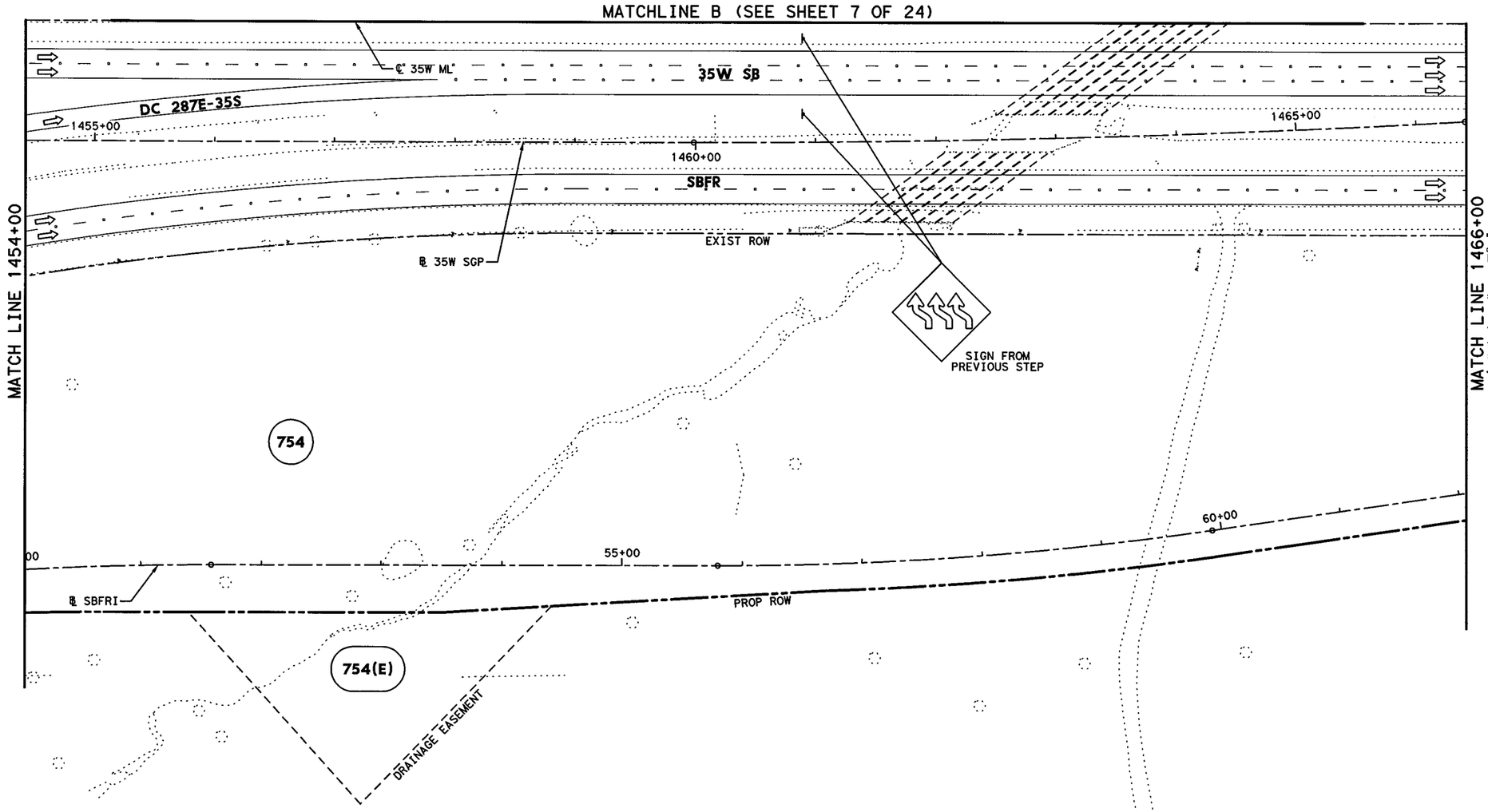
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 7 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 296 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP13_07.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

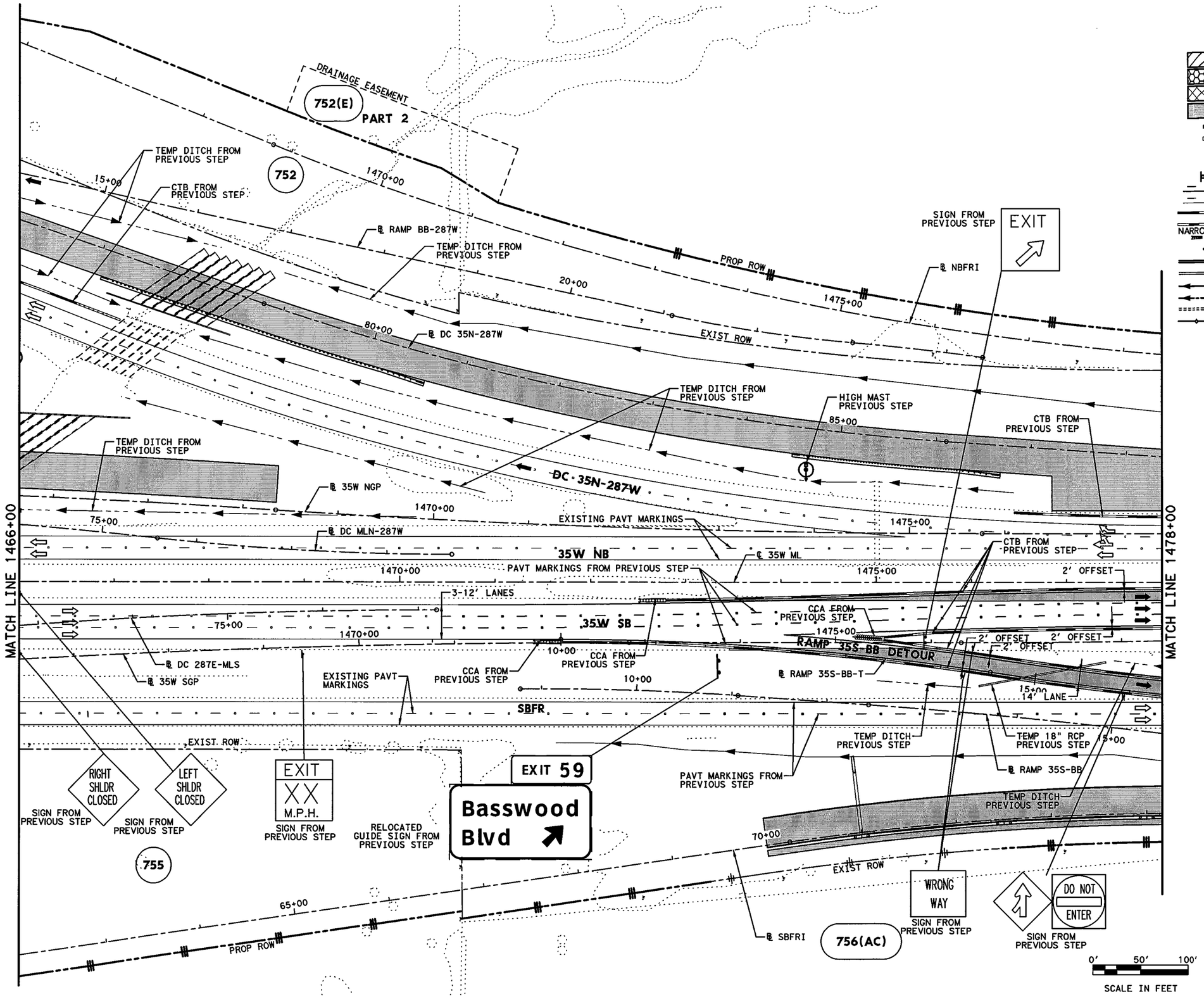
**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 297 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S35TCP13_08.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 3

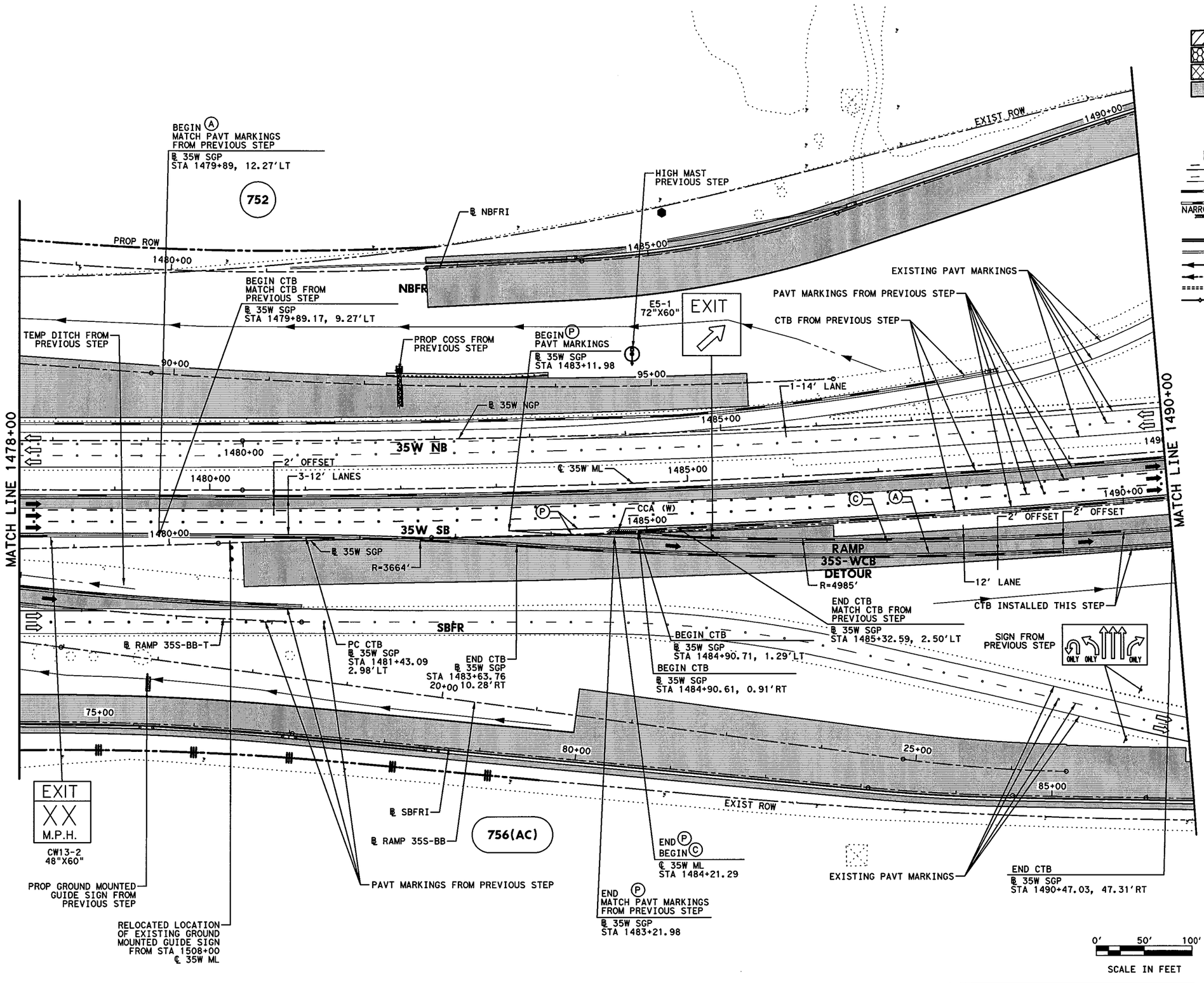
SCALE 1" = 100'

SHEET 9 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 298 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP13_09.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

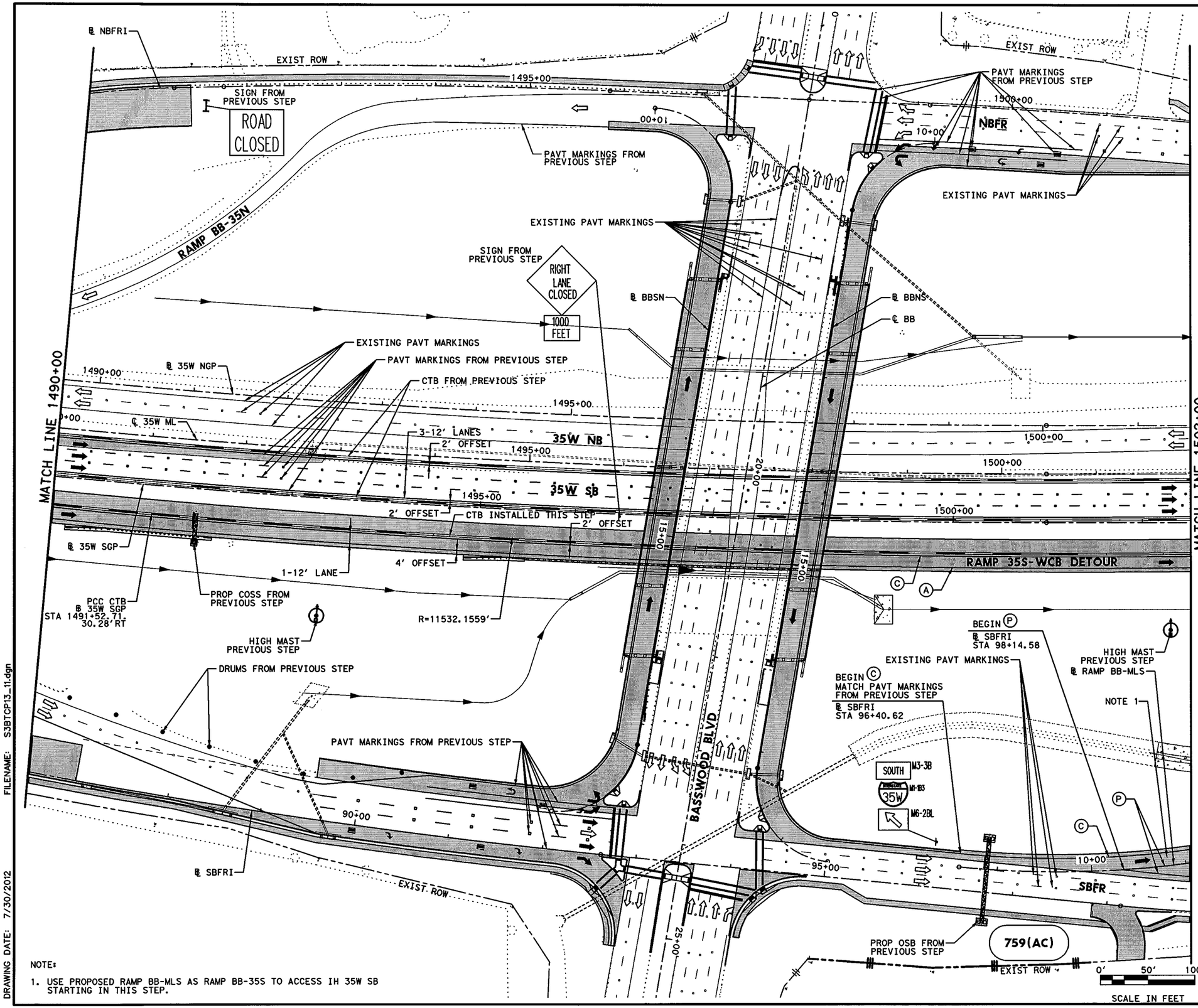
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 10 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 299 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP13_10.dgn
DRAWING DATE: 7/30/2012




NOTE:

1. USE PROPOSED RAMP BB-MLS AS RAMP BB-35S TO ACCESS IH 35W SB STARTING IN THIS STEP.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

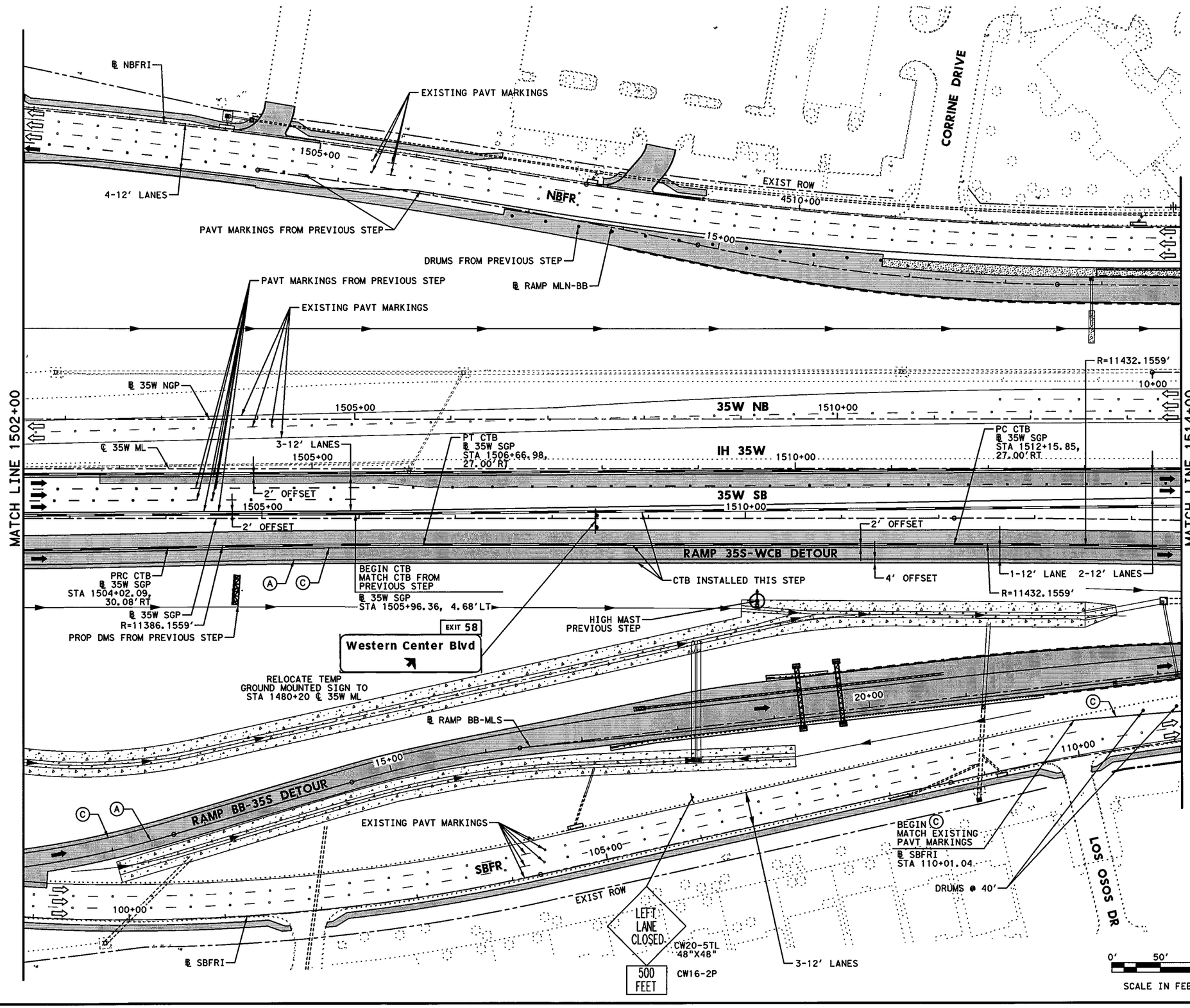
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 11 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 300 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP13_11.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

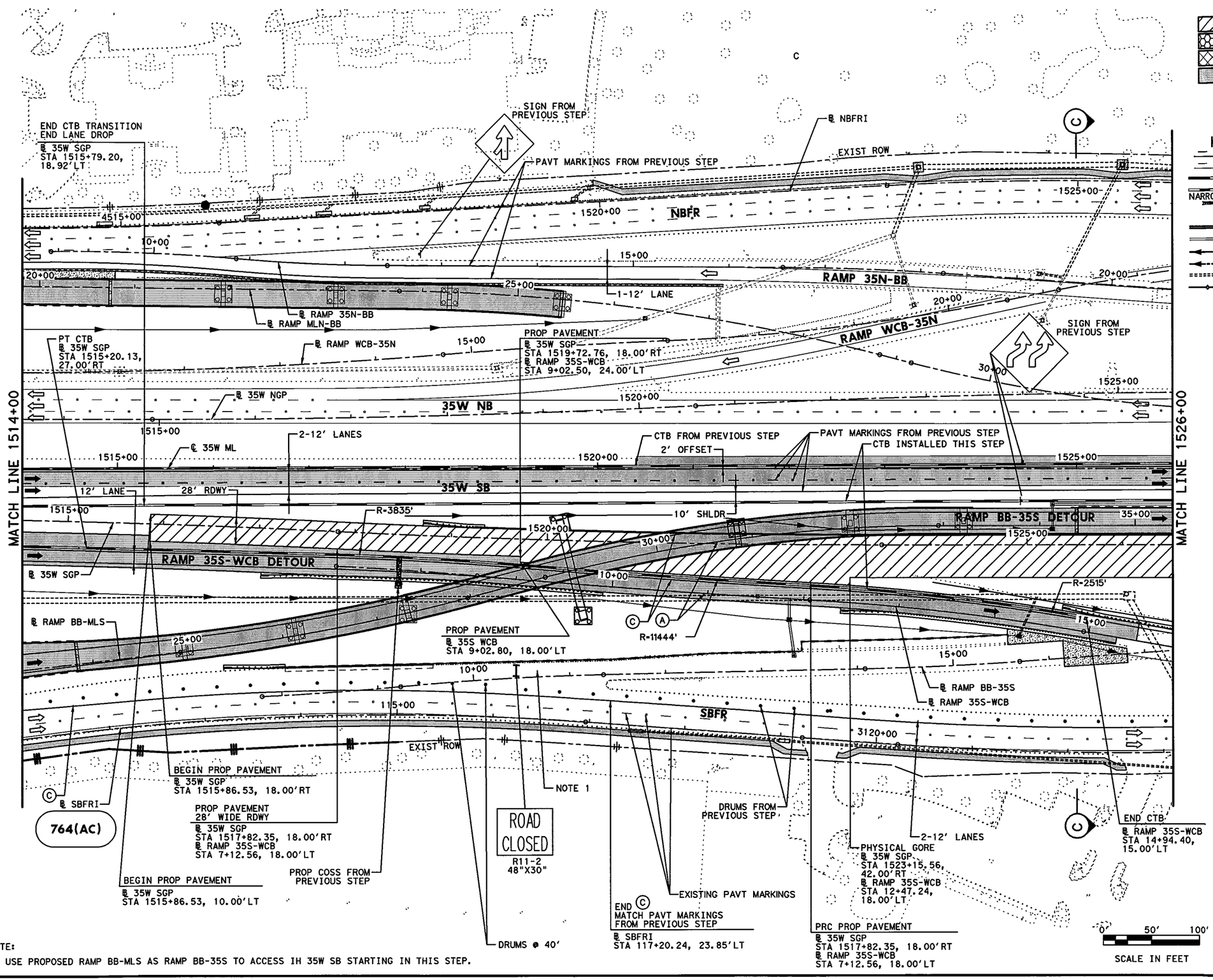
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 12 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 301 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP13_12.dgn
DRAWING DATE: 7/30/2012




NOTE:

1. USE PROPOSED RAMP BB-MLS AS RAMP BB-35S TO ACCESS IH 35W SB STARTING IN THIS STEP.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

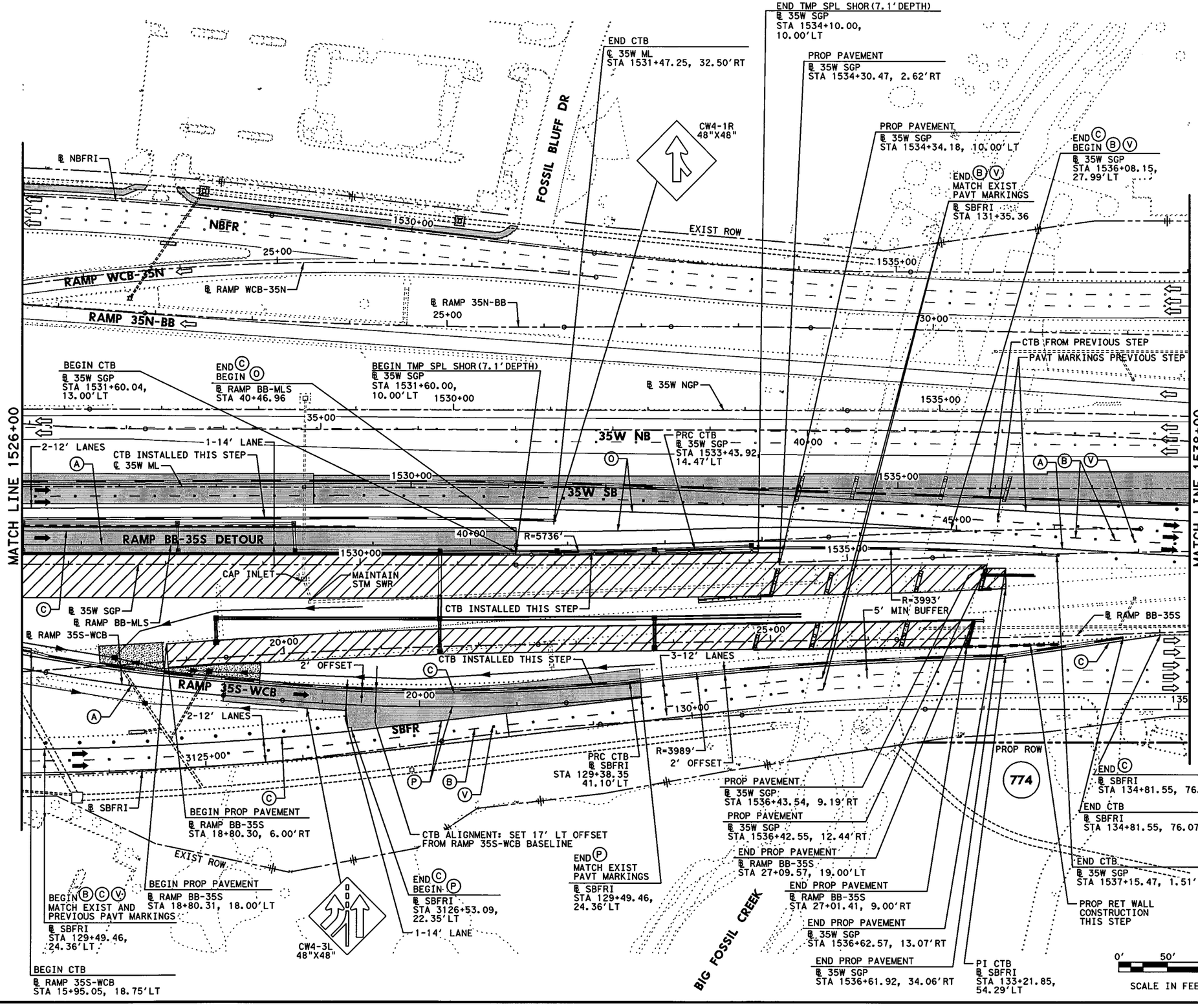
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 3

SCALE 1" = 100' SHEET 13 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 302 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP13_13.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

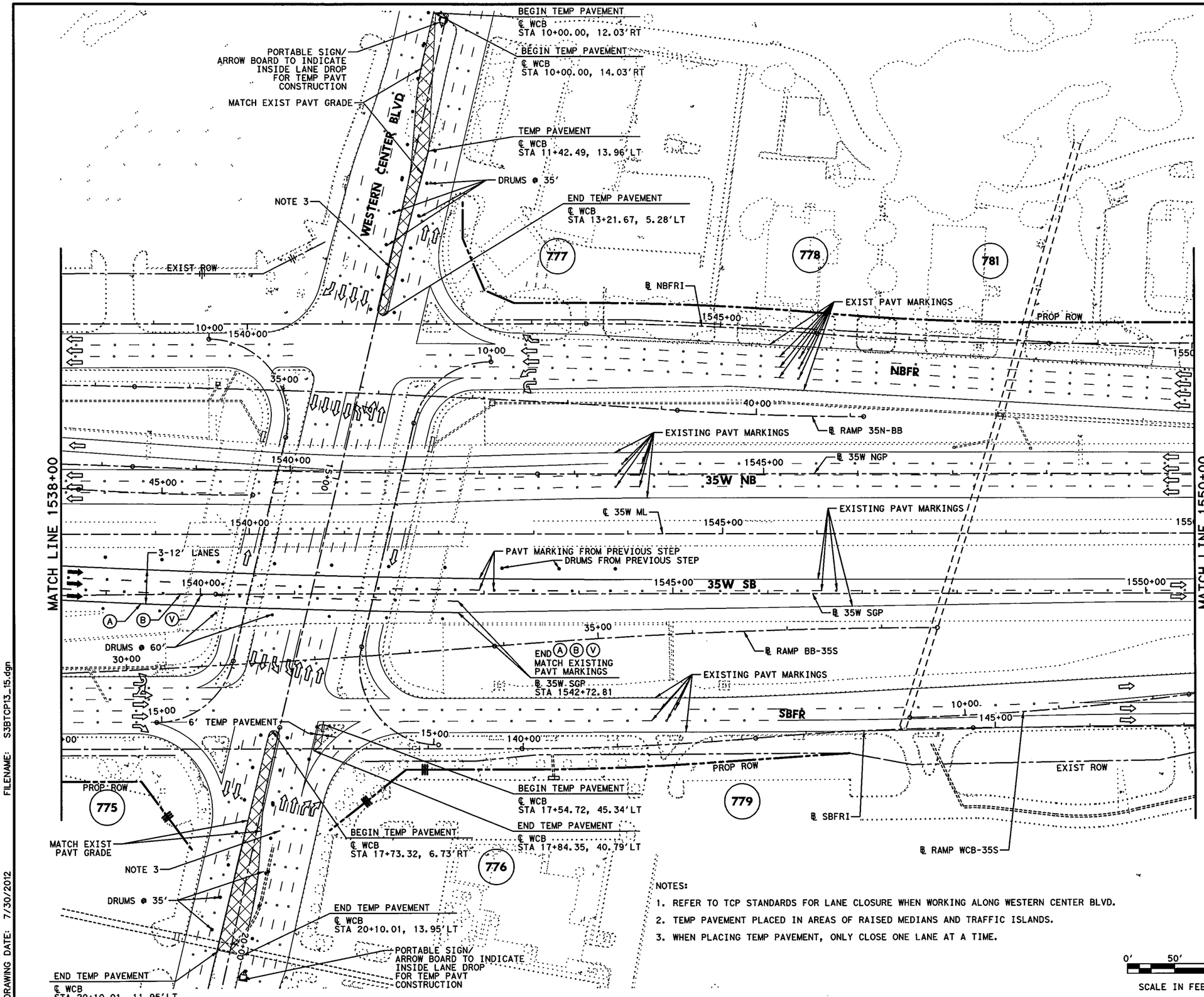
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 3

SCALE 1" = 100' SHEET 14 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 303 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP13_14.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. REFER TO TCP STANDARDS FOR LANE CLOSURE WHEN WORKING ALONG WESTERN CENTER BLVD.
2. TEMP PAVEMENT PLACED IN AREAS OF RAISED MEDIANS AND TRAFFIC ISLANDS.
3. WHEN PLACING TEMP PAVEMENT, ONLY CLOSE ONE LANE AT A TIME.

0' 50' 100'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

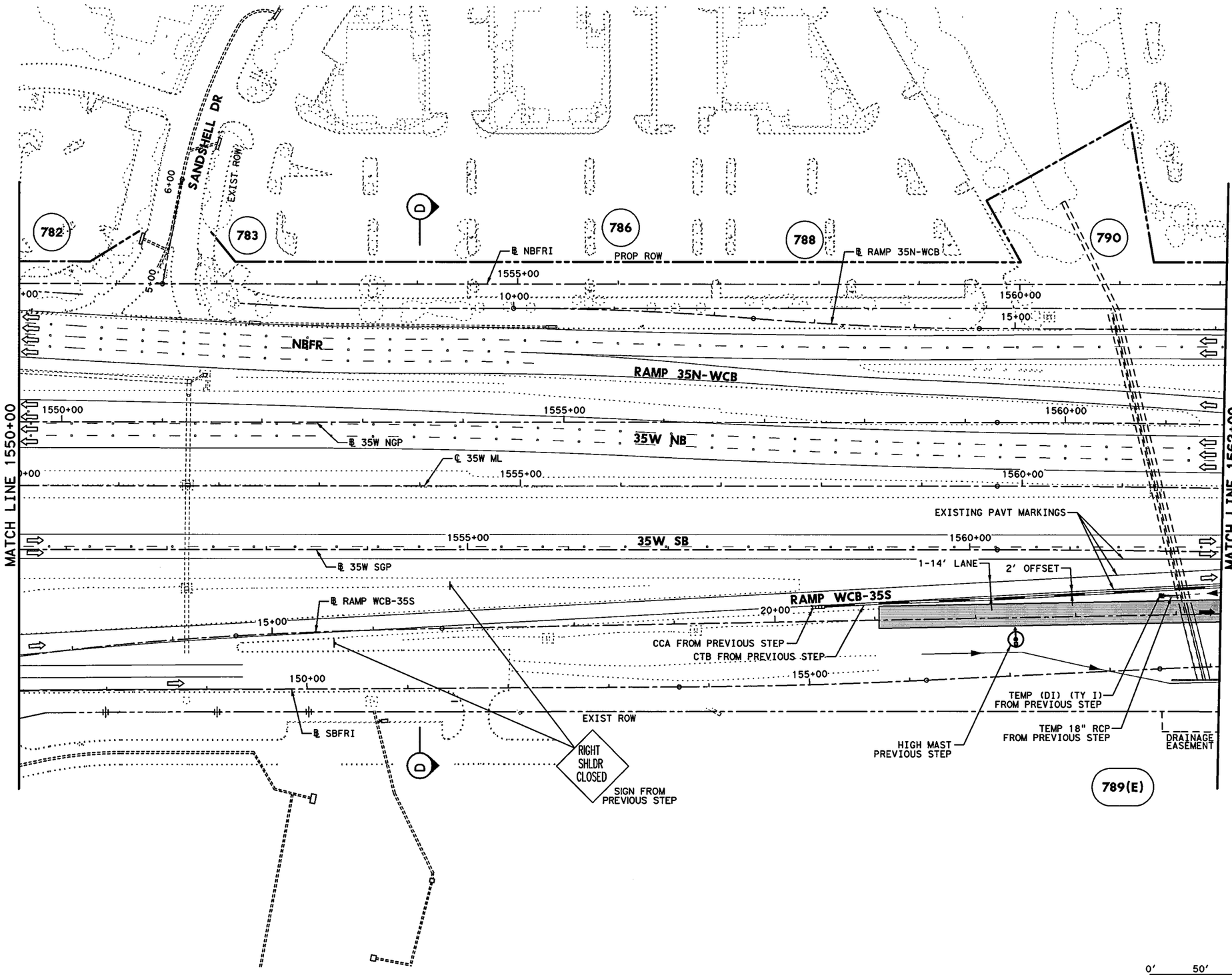
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 15 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 304 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP13_15.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

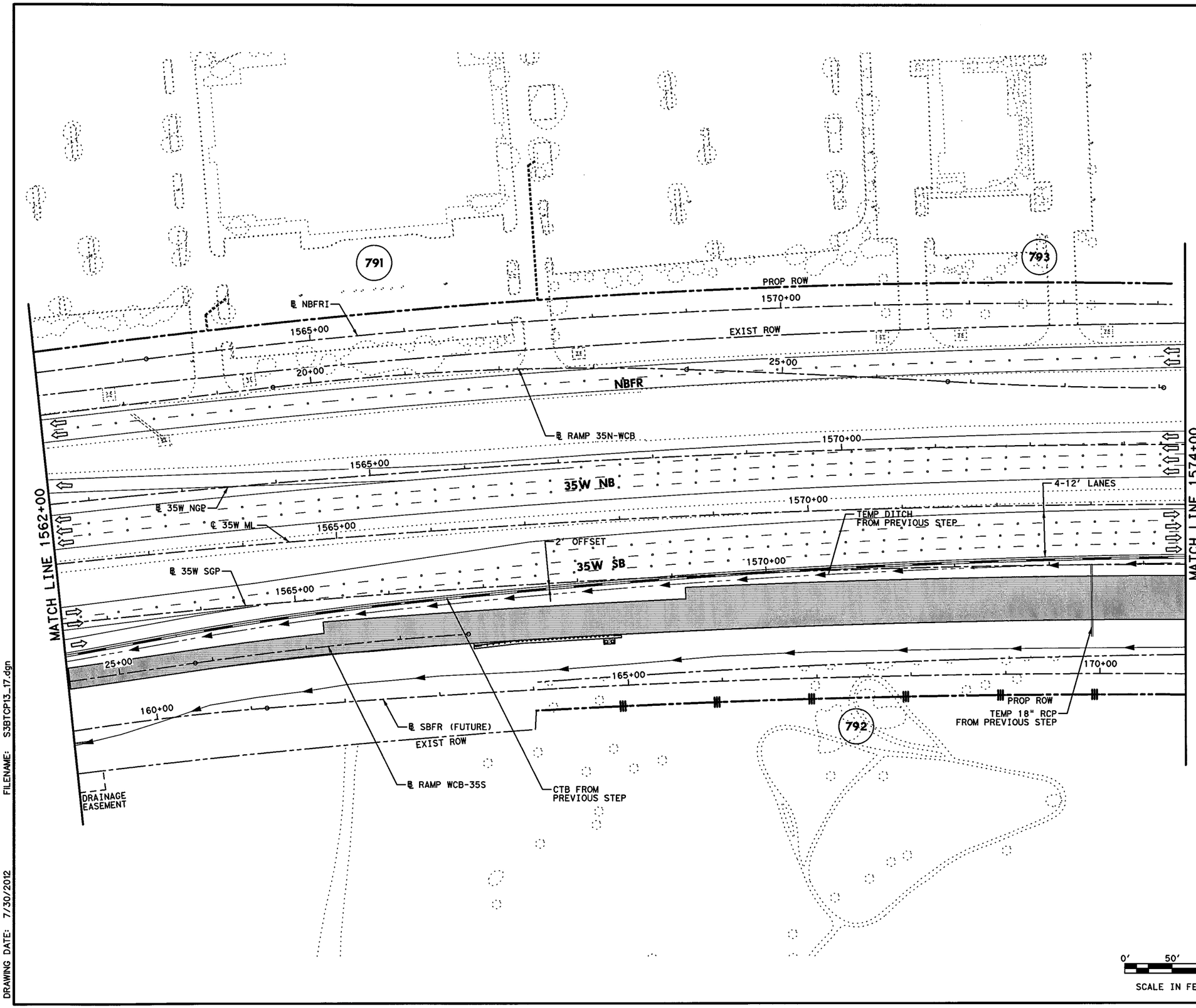
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 16 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 305 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP13_16.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 3

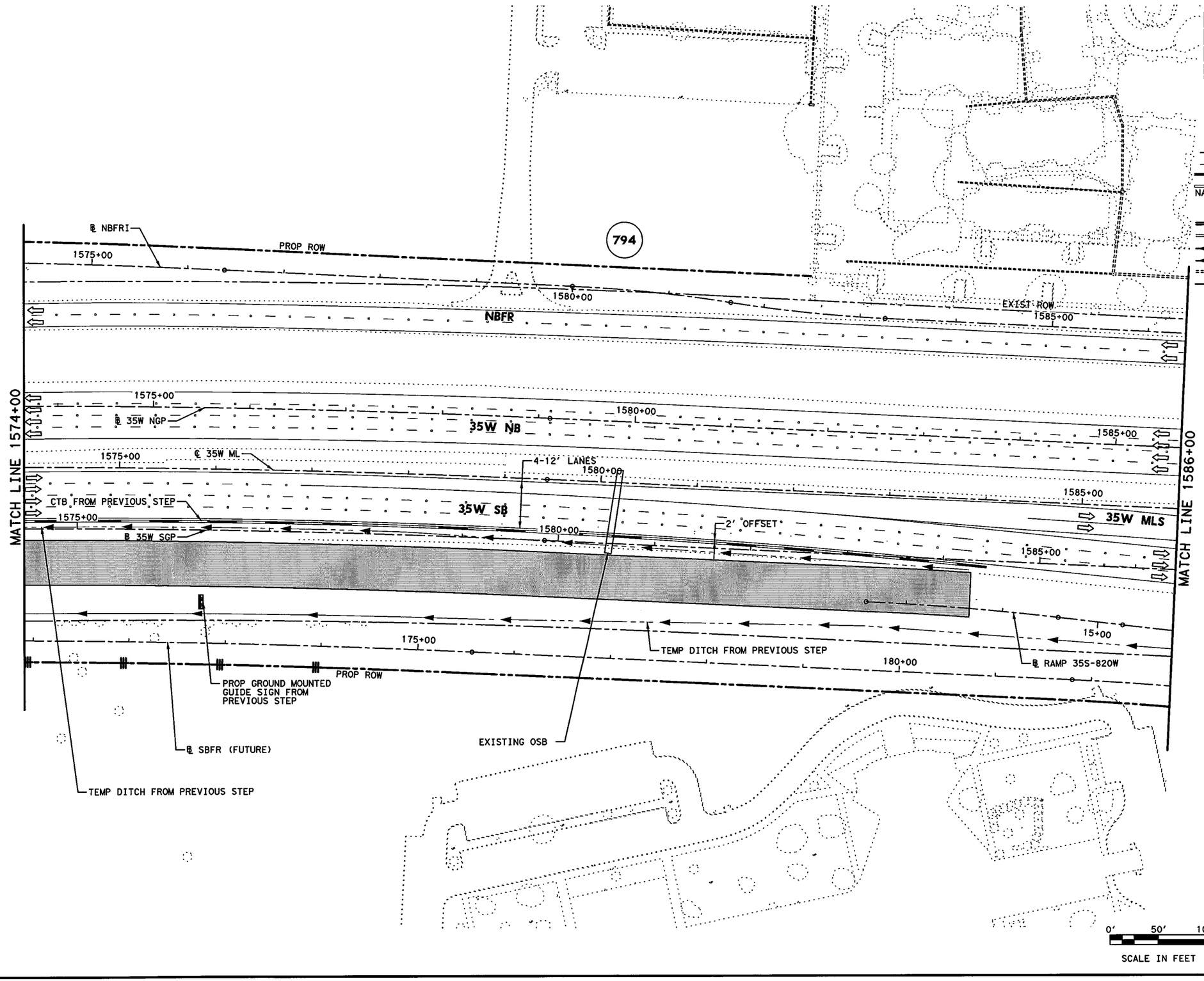
SCALE 1" = 100'

SHEET 17 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 306 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP13_17.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

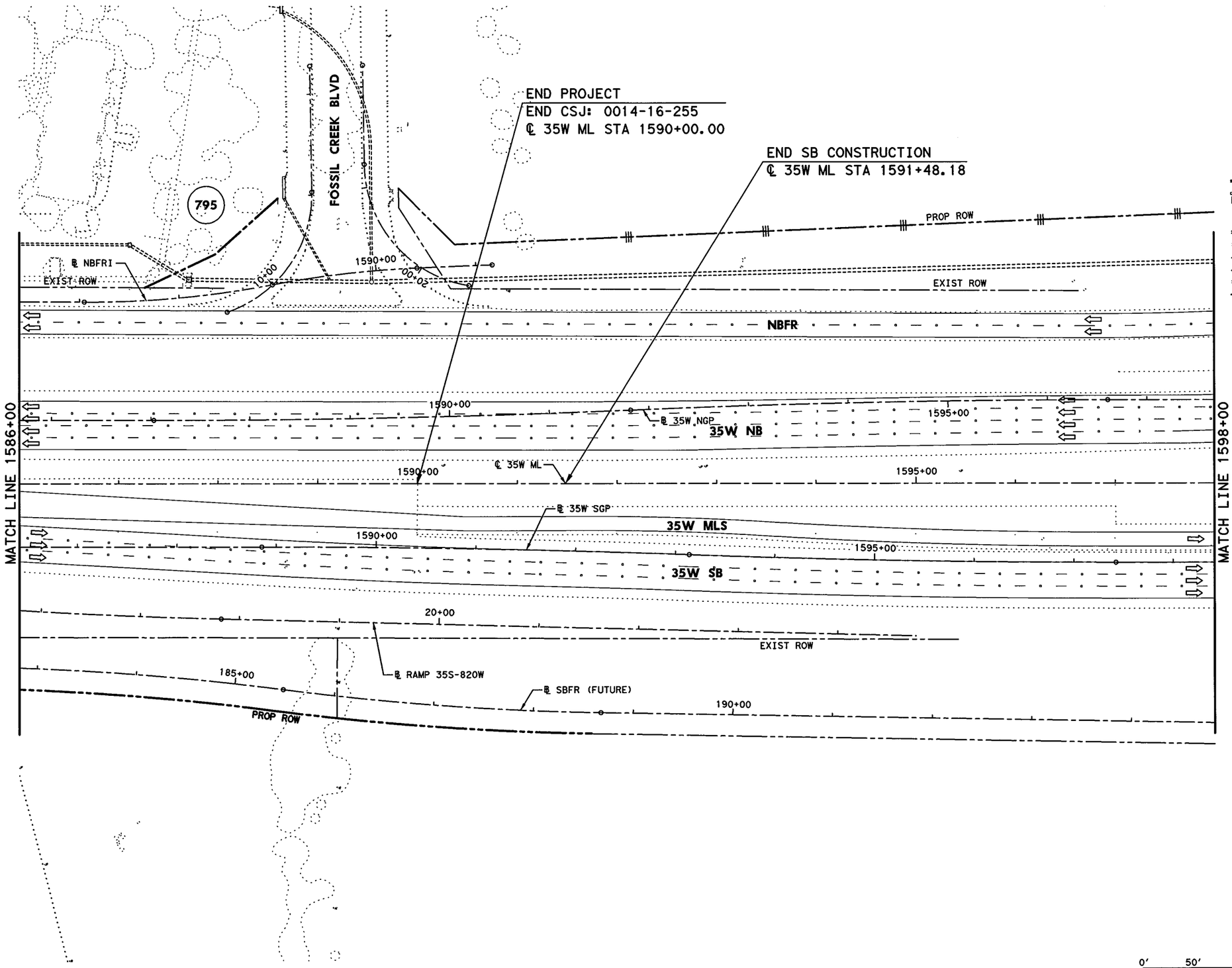
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 18 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 307 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP13_18.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

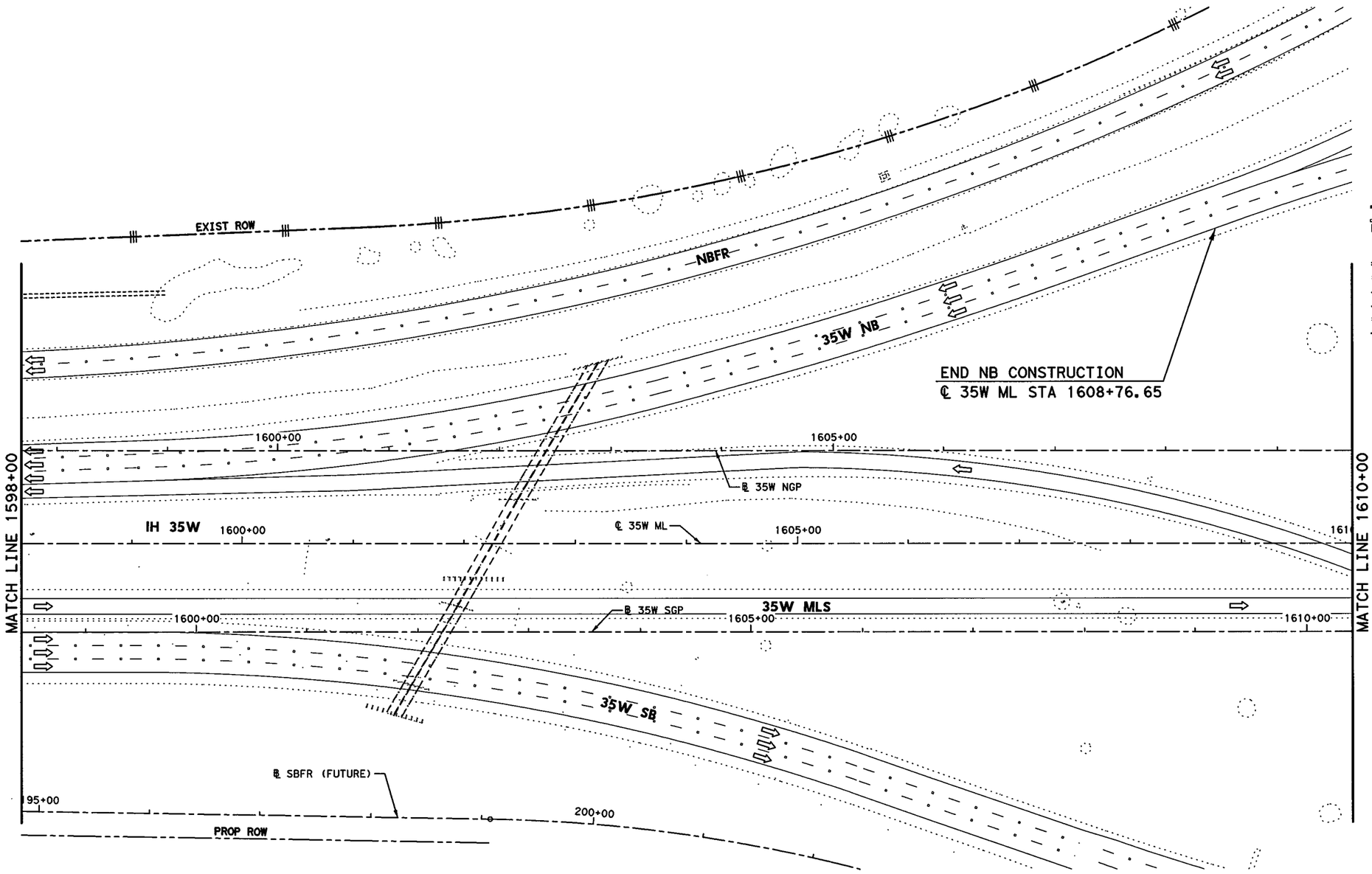
**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100'

SHEET 19 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 308 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCP13_19.dgn




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING
- (A) WK ZN PAV MRK REMOV (W) 4" (SLD)
- (B) WK ZN PAV MRK REMOV (W) 4" (BRK)
- (C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
- (G) WK ZN PAV MRK REMOV (W) 8" (SLD)
- (H) WK ZN PAV MRK REMOV (W) 12" (SLD)
- (I) WK ZN PAV MRK REMOV (W) 24" (SLD)
- (M) WK ZN PAV MRK REMOV (W)(ARROW)
- (N) WK ZN PAV MRK REMOV (W)(WORD)
- (O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
- (P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
- (S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
- (T) WK ZN PAV MRK REMOV (W) 4" (DOT)
- (U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
- (V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

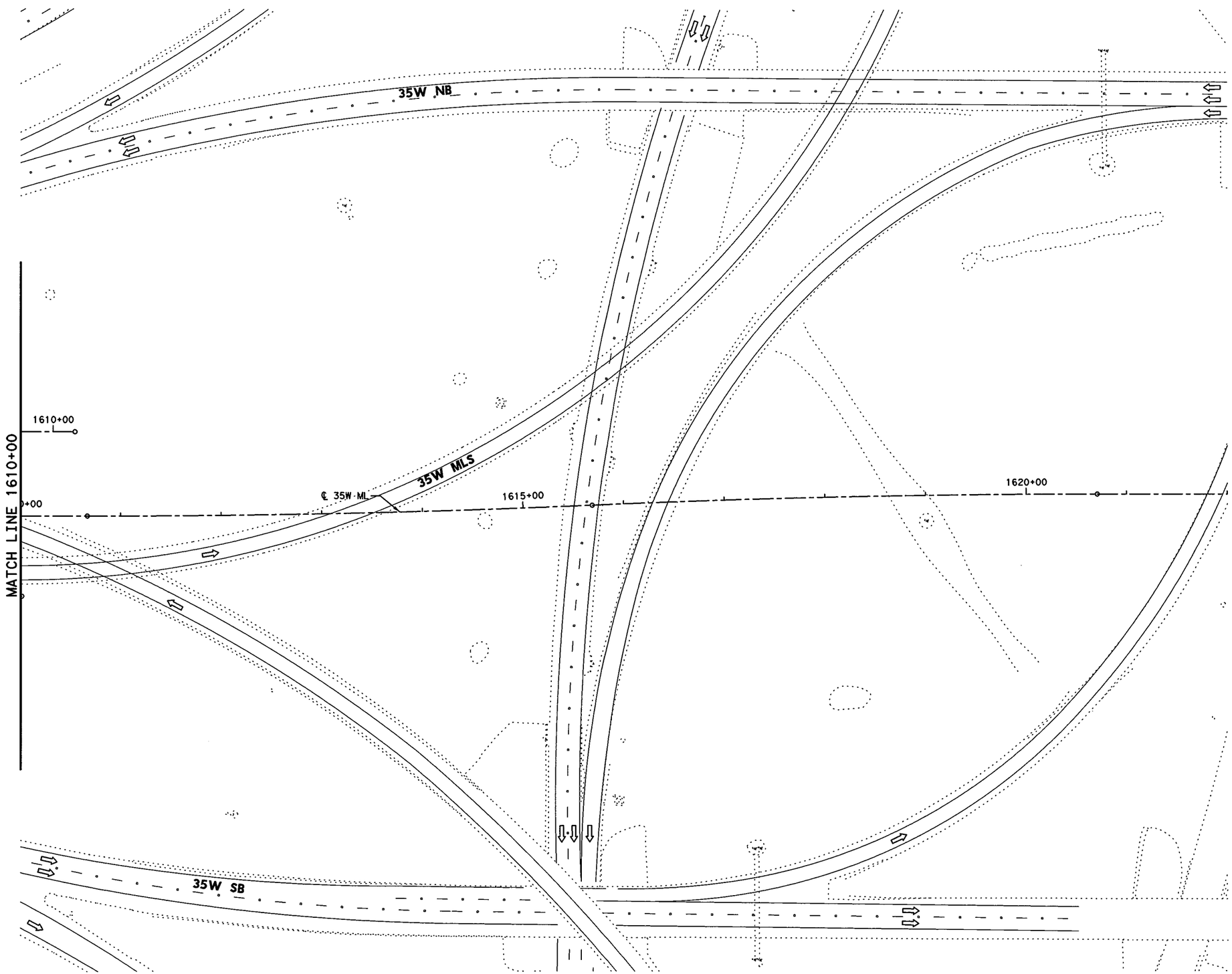
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 20 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 309 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP13_20.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

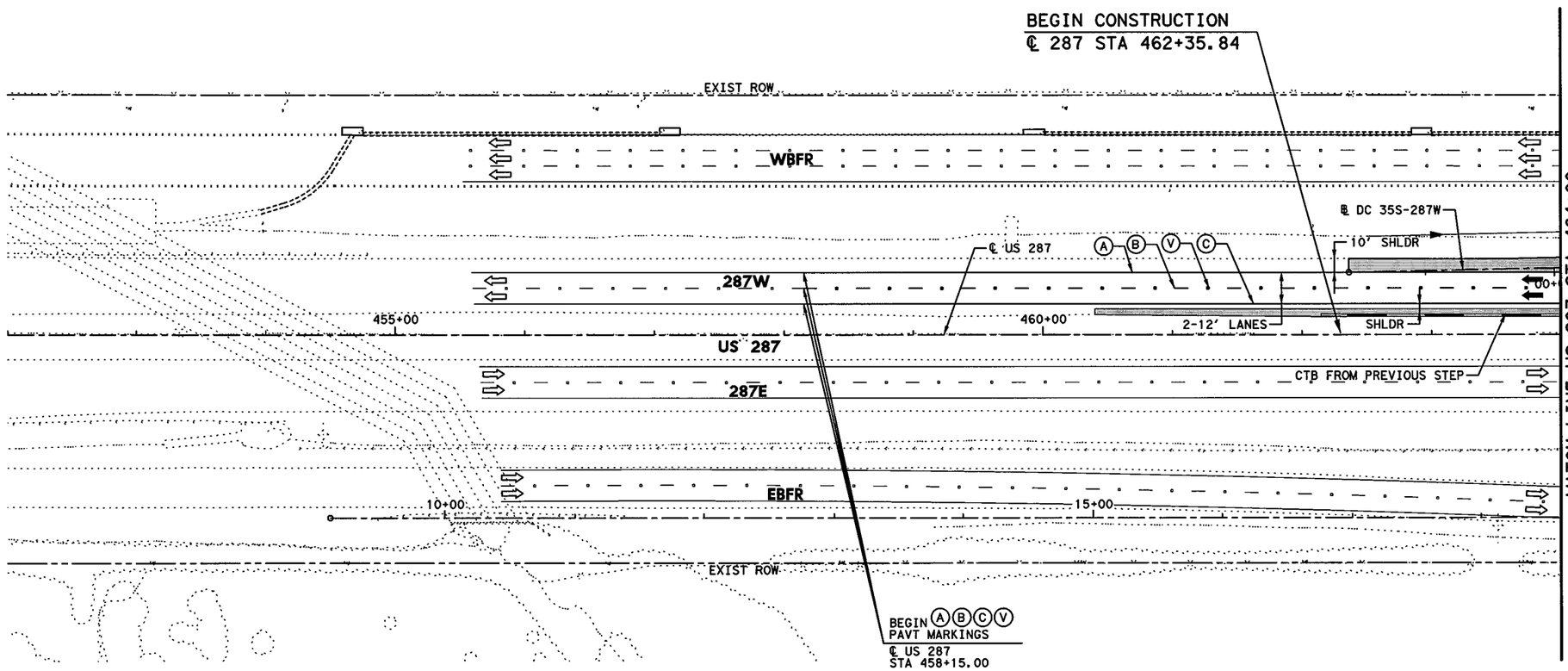
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 21 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 310 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP13_21.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM (NARROW, WIDE)
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

- (A) WK ZN PAV MRK REMOV (W) 4" (SLD)
- (B) WK ZN PAV MRK REMOV (W) 4" (BRK)
- (C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
- (G) WK ZN PAV MRK REMOV (W) 8" (SLD)
- (H) WK ZN PAV MRK REMOV (W) 12" (SLD)
- (I) WK ZN PAV MRK REMOV (W) 24" (SLD)
- (M) WK ZN PAV MRK REMOV (W)(ARROW)
- (N) WK ZN PAV MRK REMOV (W)(WORD)
- (O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
- (P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
- (S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
- (T) WK ZN PAV MRK REMOV (W) 4" (DOT)
- (U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
- (V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

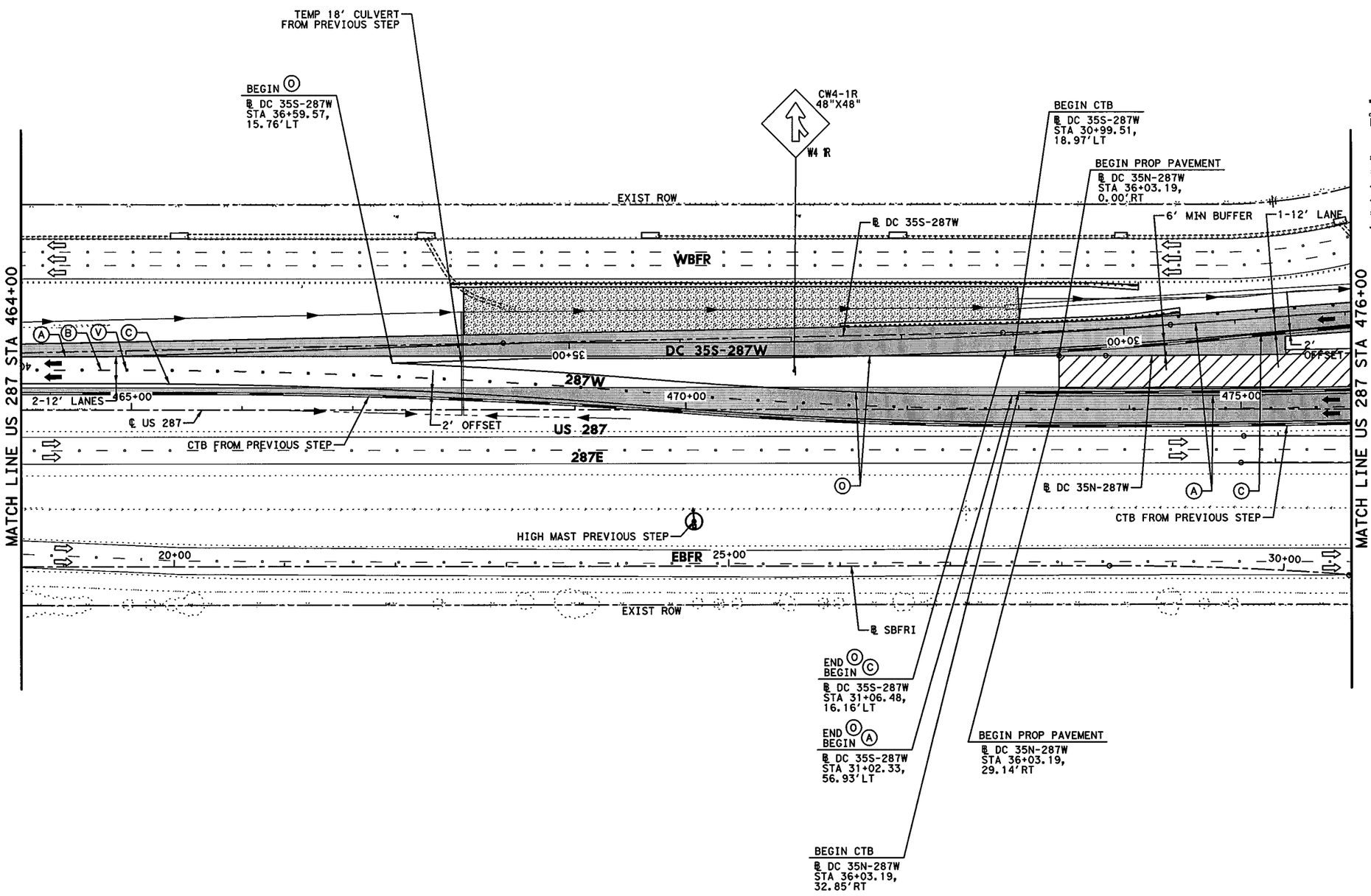
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 1 STEP 3

SCALE 1" = 100' — SHEET 22 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 311 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP13_22.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

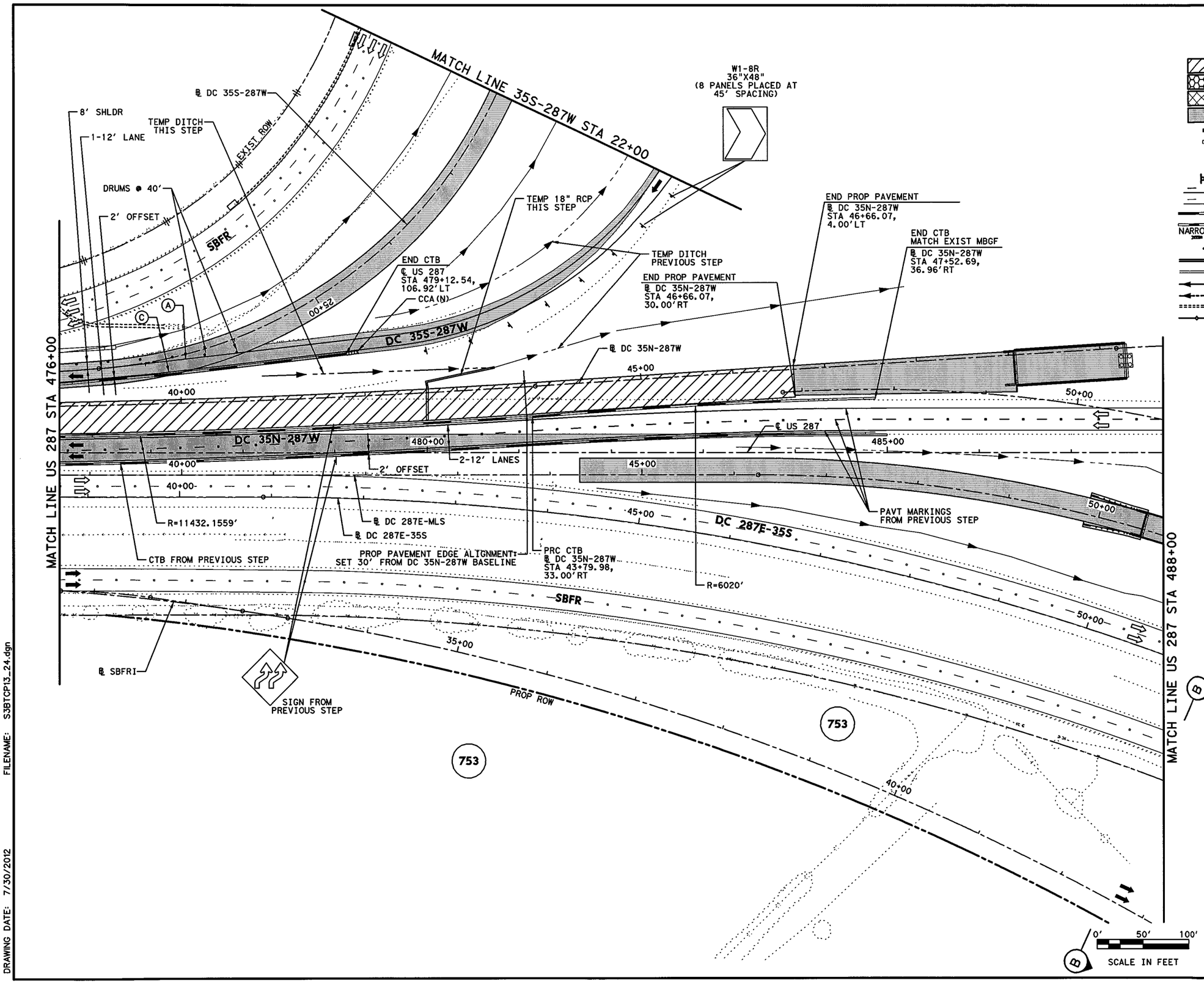
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 23 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 312 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP13_23.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

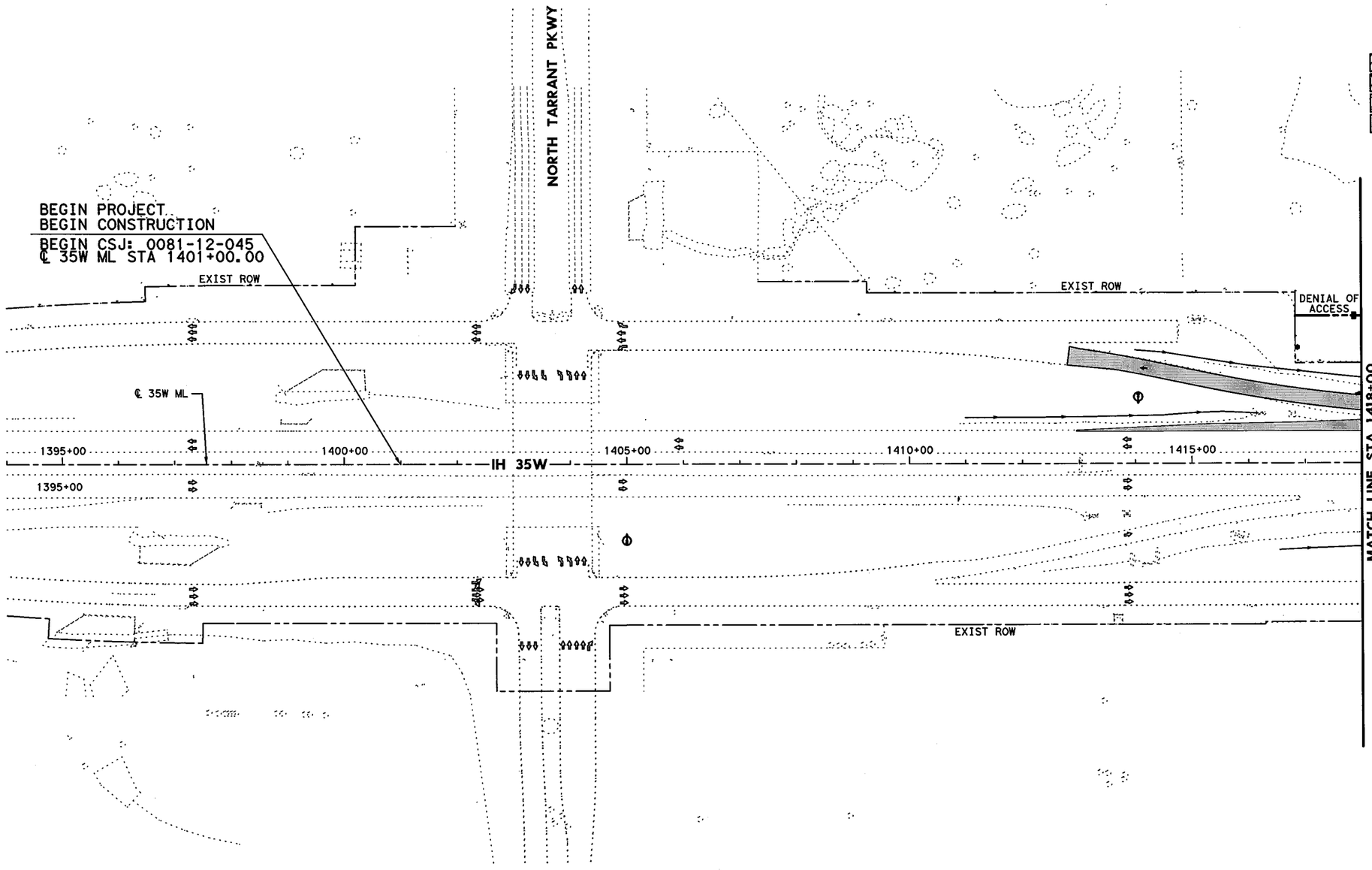
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 1 STEP 3**

SCALE 1" = 100' SHEET 24 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 313 |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP13_24.dgn
DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 2 STEP 1

## BEGIN PROJECT TO STA 1418+00

SCALE: 1" = 200' SHEET 1 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 314 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL21_01.dgn

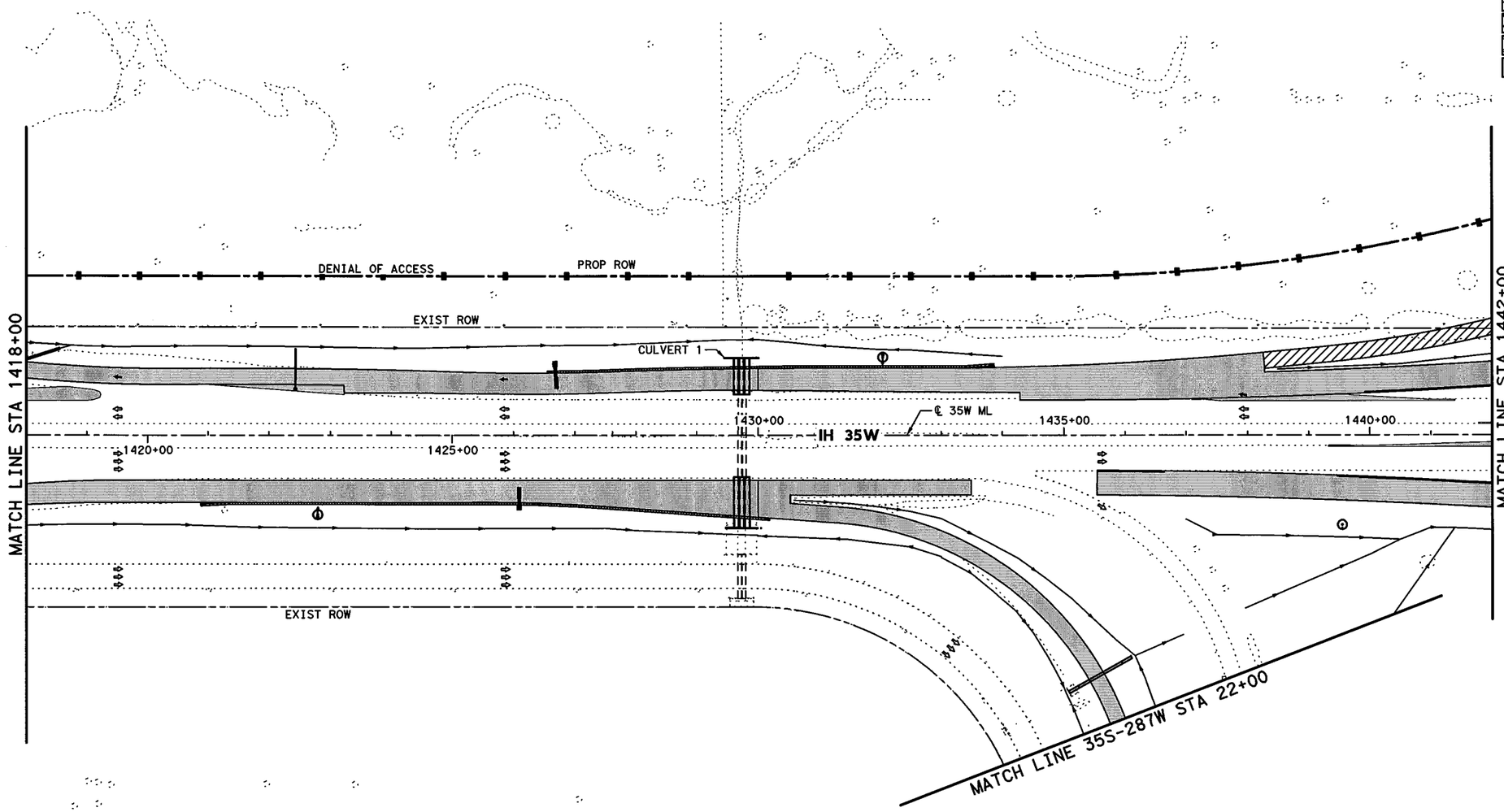
DRAWING DATE: 7/29/2012

0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC




STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 2 STEP 1**

**STA 1418+00 TO STA 1442+00**

SCALE: 1" = 200'

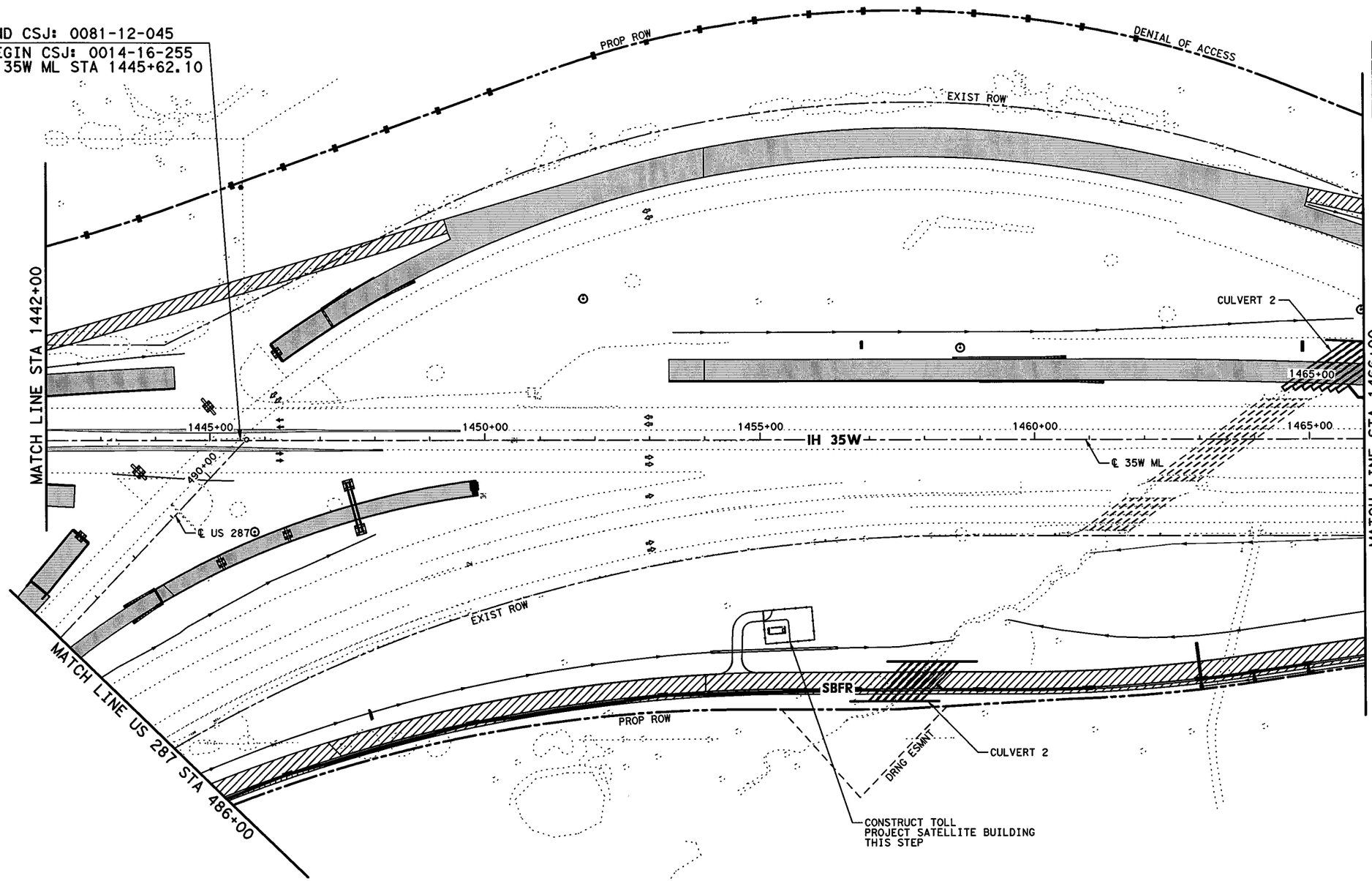
SHEET 2 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 315 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL21_02.dgn

DRAWING DATE: 7/29/2012

END CSJ: 0081-12-045
BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




0' 50' 100' 200'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

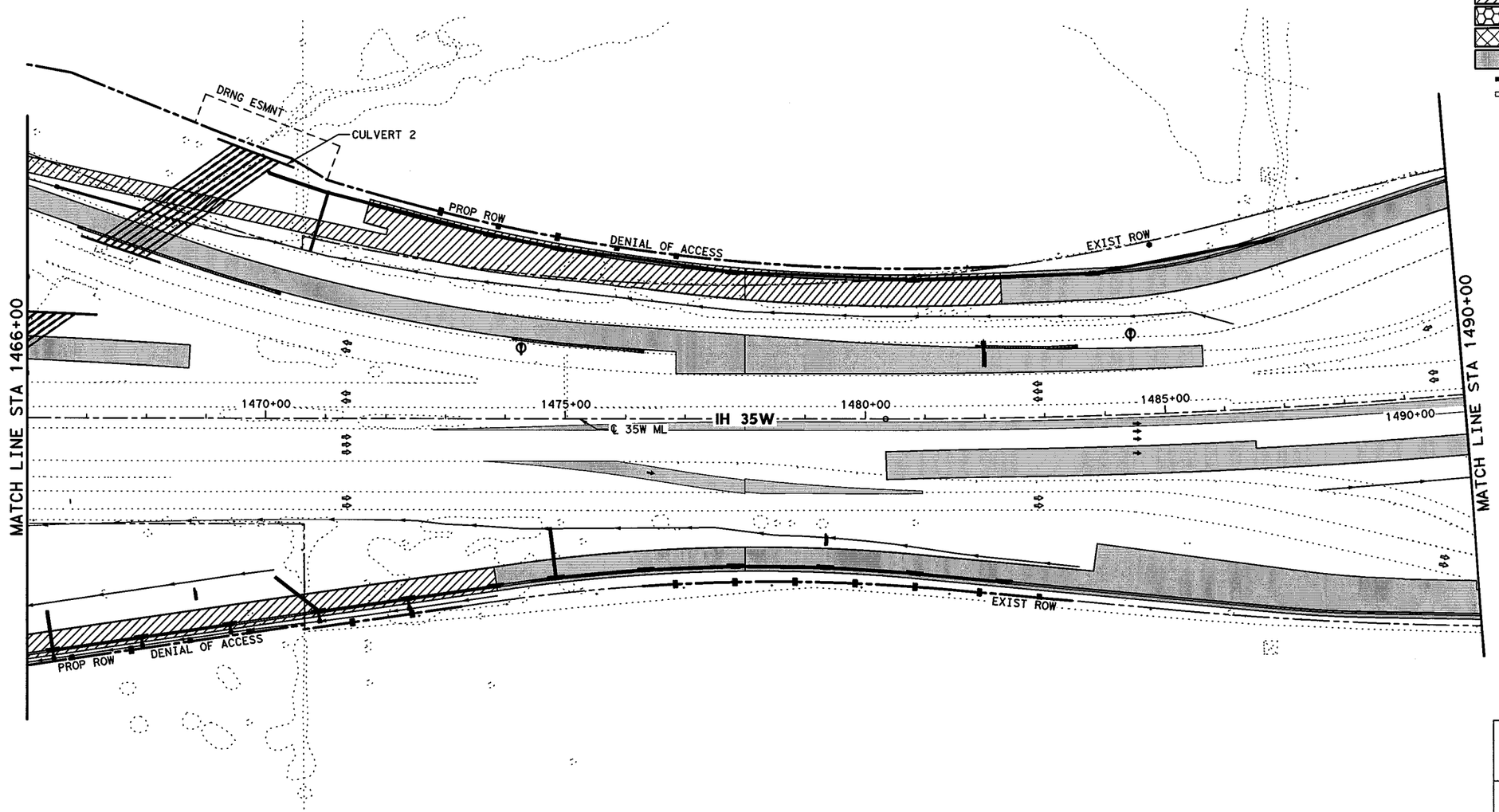
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 2 STEP 1
## STA 1442+00 TO STA 1466+00

SCALE: 1" = 200'
SHEET 3 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 316 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL21_03.dgn
DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

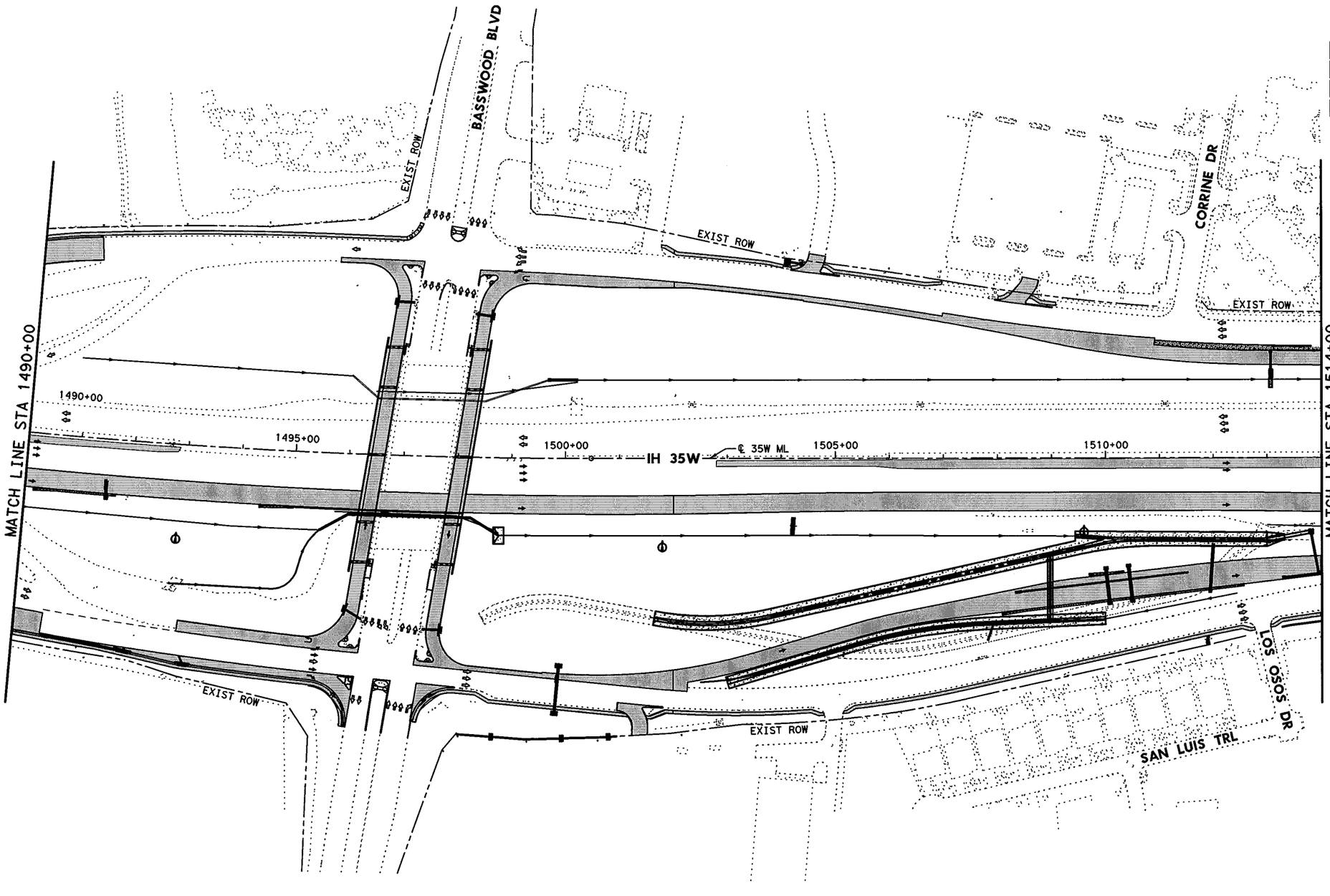
**PHASE 2 STEP 1**

**STA 1466+00 TO STA 1490+00**

SCALE: 1" = 200' SHEET 4 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 317 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL21_04.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 2 STEP 1

## STA 1490+00 TO STA 1514+00

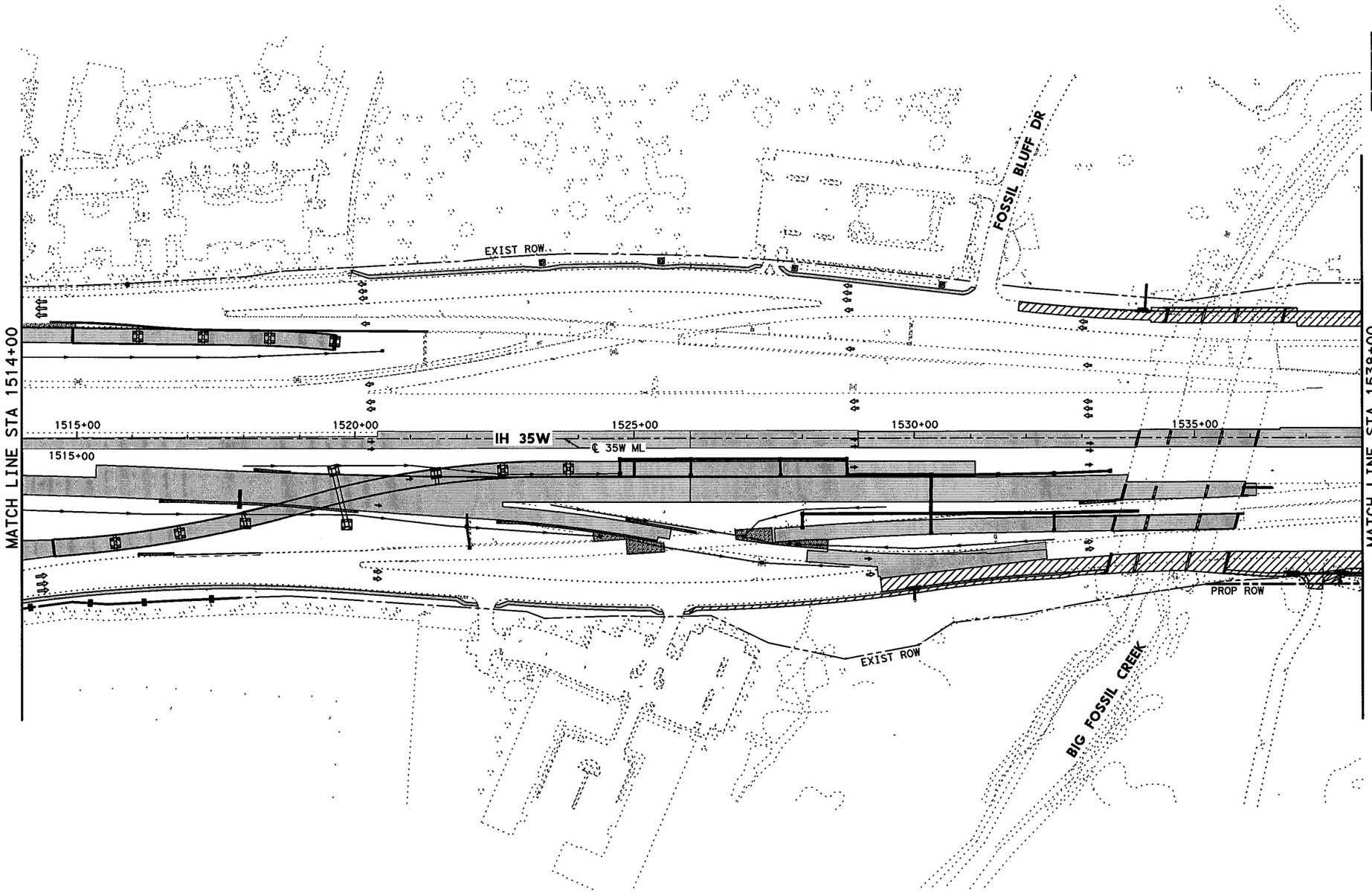
SCALE: 1" = 200'

SHEET 5 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 318 |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL21_L05.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 2 STEP 1

## STA 1514+00 TO STA 1538+00

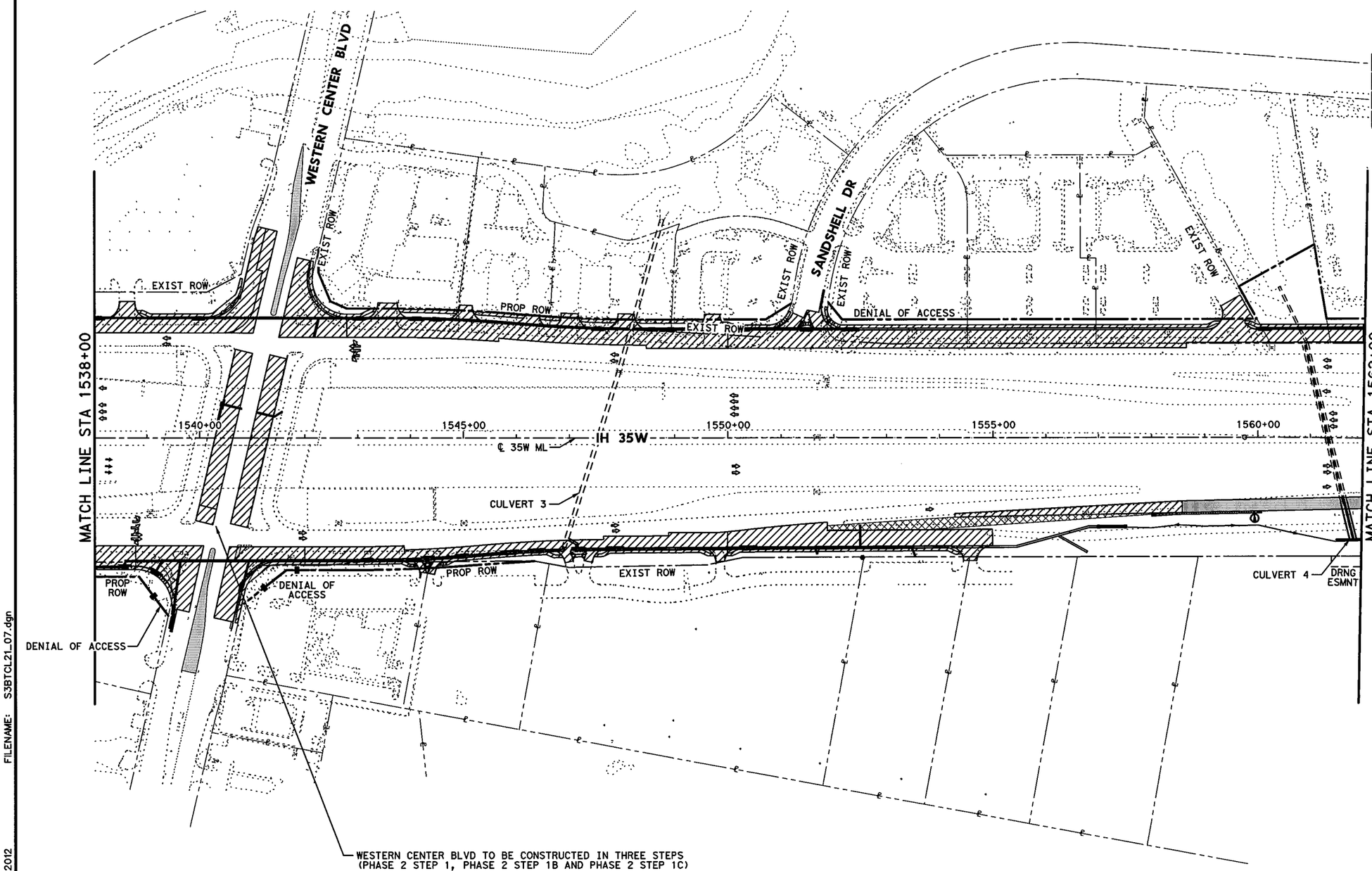
SCALE: 1" = 200'

SHEET 6 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 319 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL21_06.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 2 STEP 1

## STA 1538+00 TO STA 1562+00

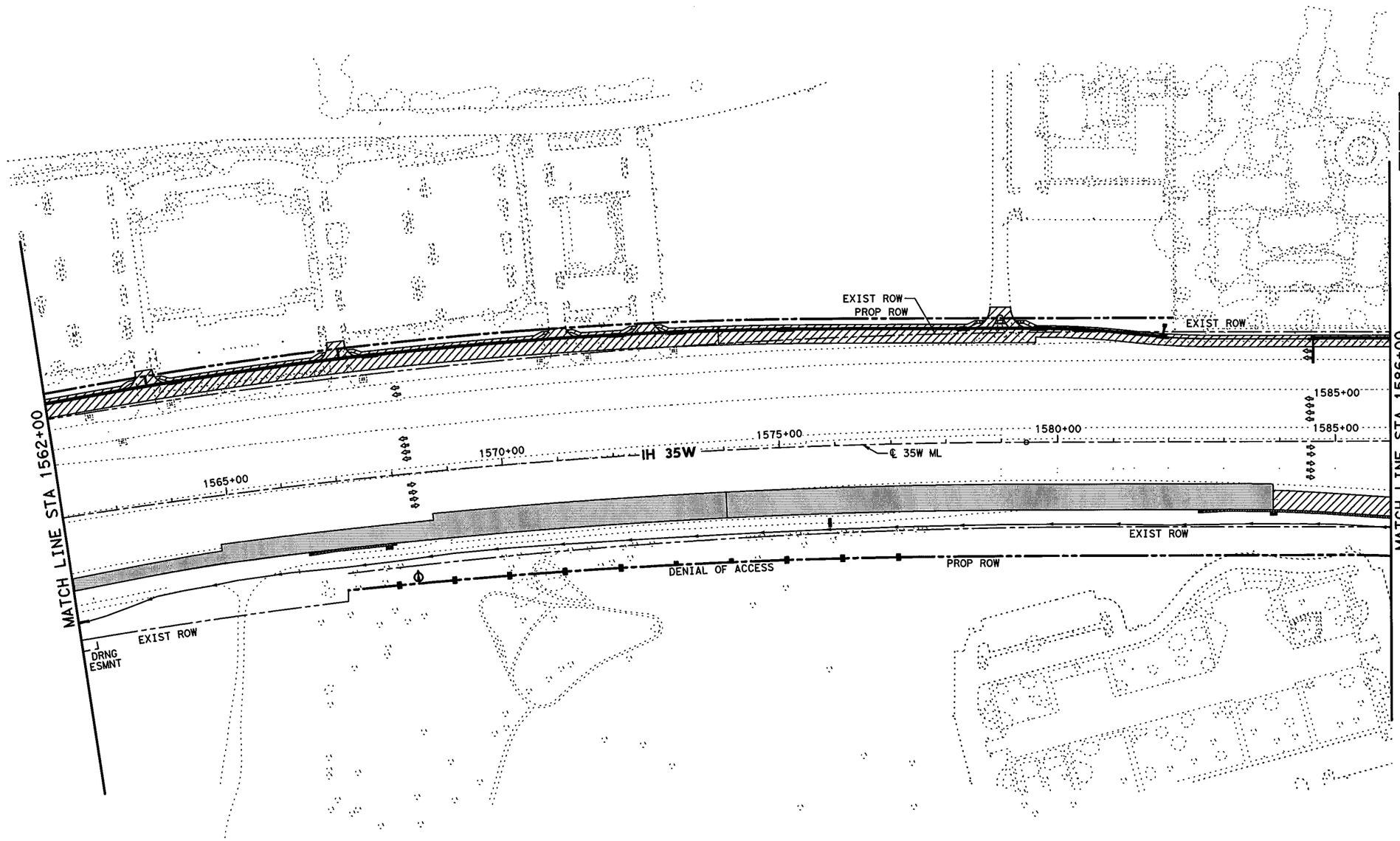
SCALE: 1" = 200'

SHEET 7 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 320 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL21_07.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 2 STEP 1

## STA 1562+00 TO STA 1586+00

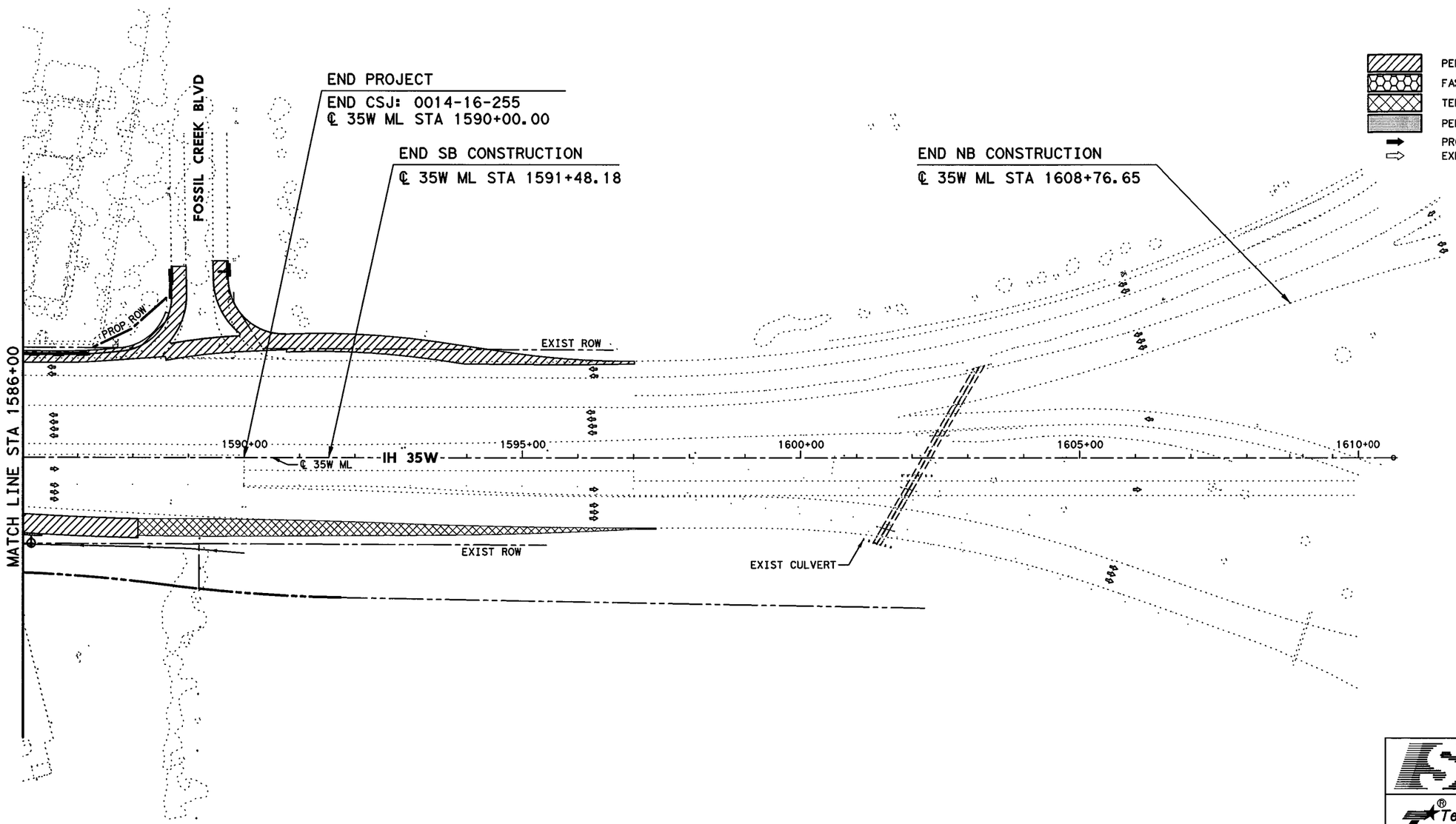
SCALE: 1" = 200'

SHEET 8 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 321 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL21_08.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 2 STEP 1
## STA 1586+00 TO END PROJECT

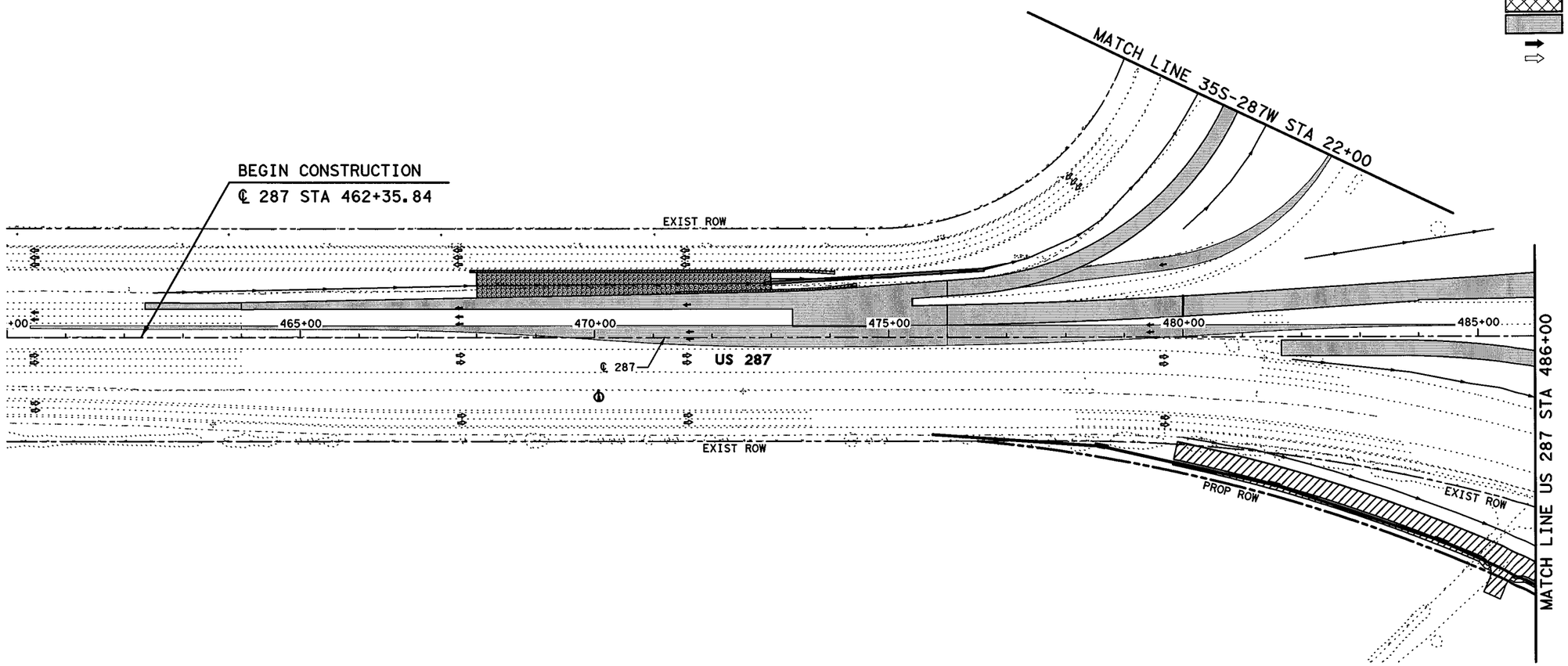
SCALE: 1" = 200'

SHEET 9 OF 10

| | | | | |
|---|---|---|---|---|
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 322 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL21_09.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 2 STEP 1**

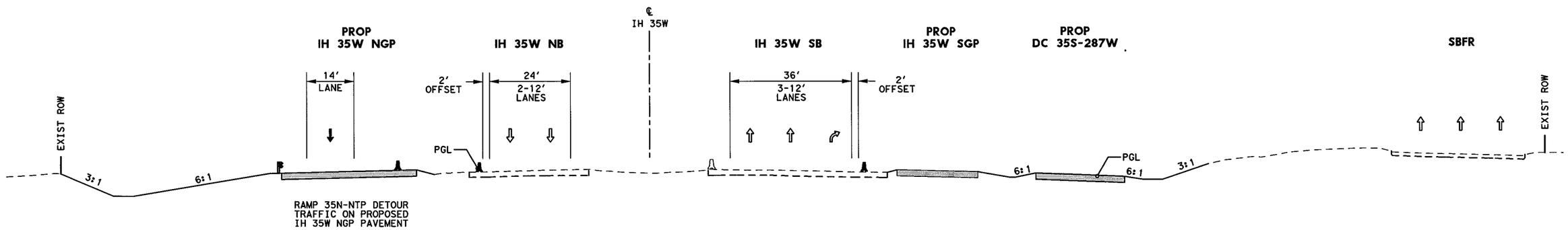
**STA 460+00 TO STA 486+00**

SCALE: 1" = 200'

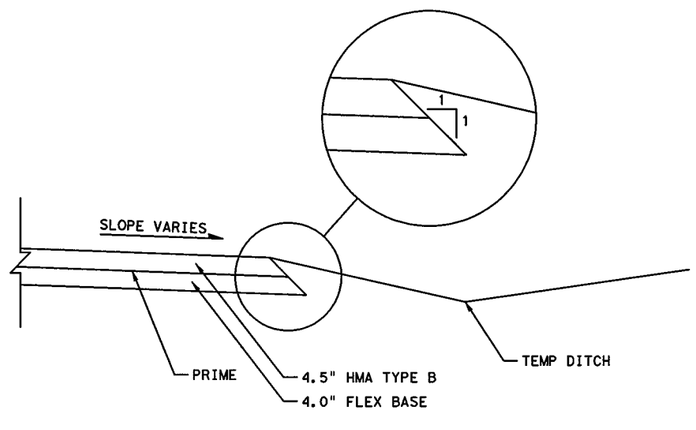
SHEET 10 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 323 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL21_10.dgn




**TCP SECTION A-A**
**STA 1431+00**




**DETOUR & TEMP WIDENING**
**TYPICAL SECTION**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

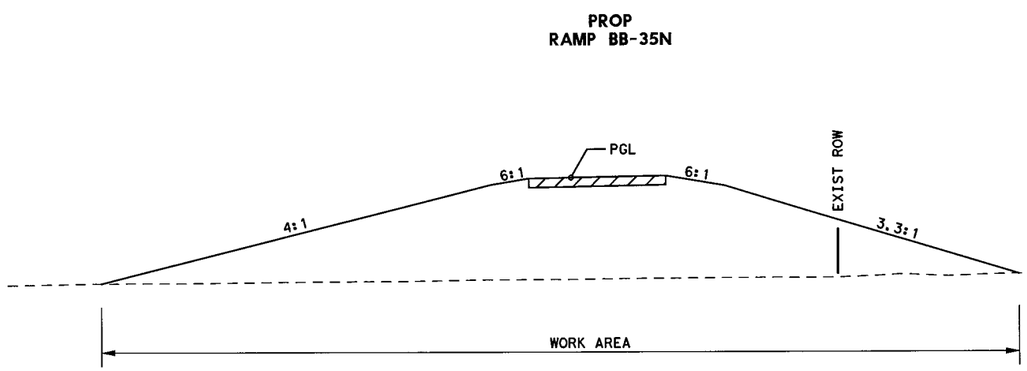
IH 35W FROM NORTH TARRANT PKWY TO IH 820

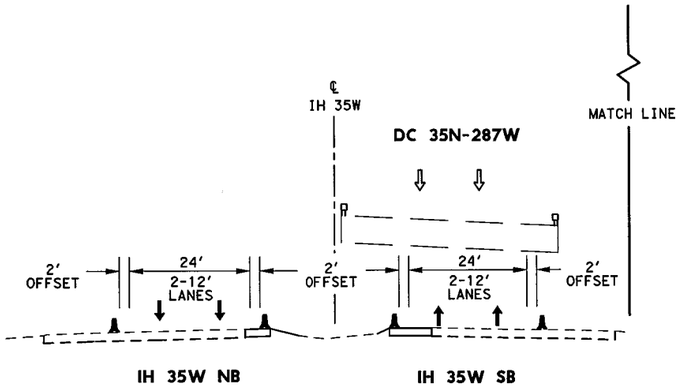
**TCP SECTION**
**PHASE 2 STEP 1**

SCALE: NTS — SHEET 1 OF 4

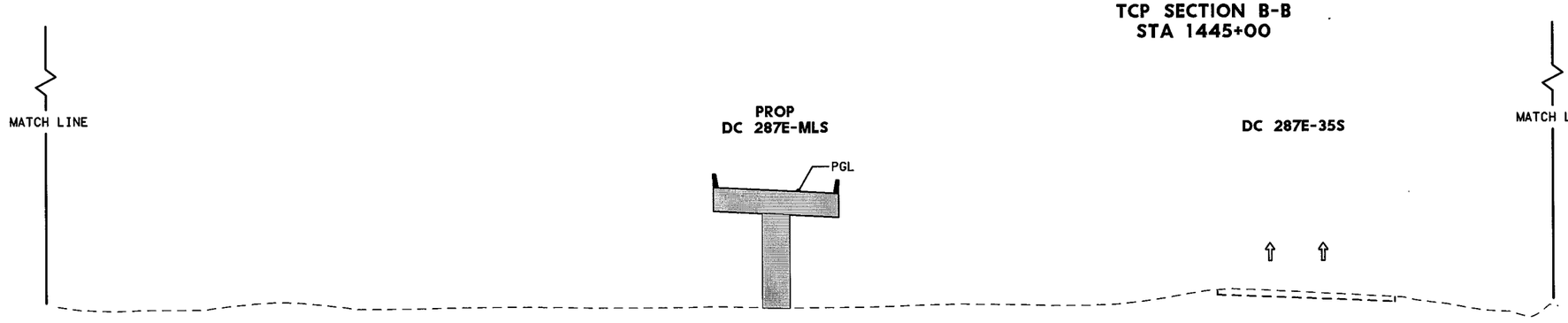
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 324 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

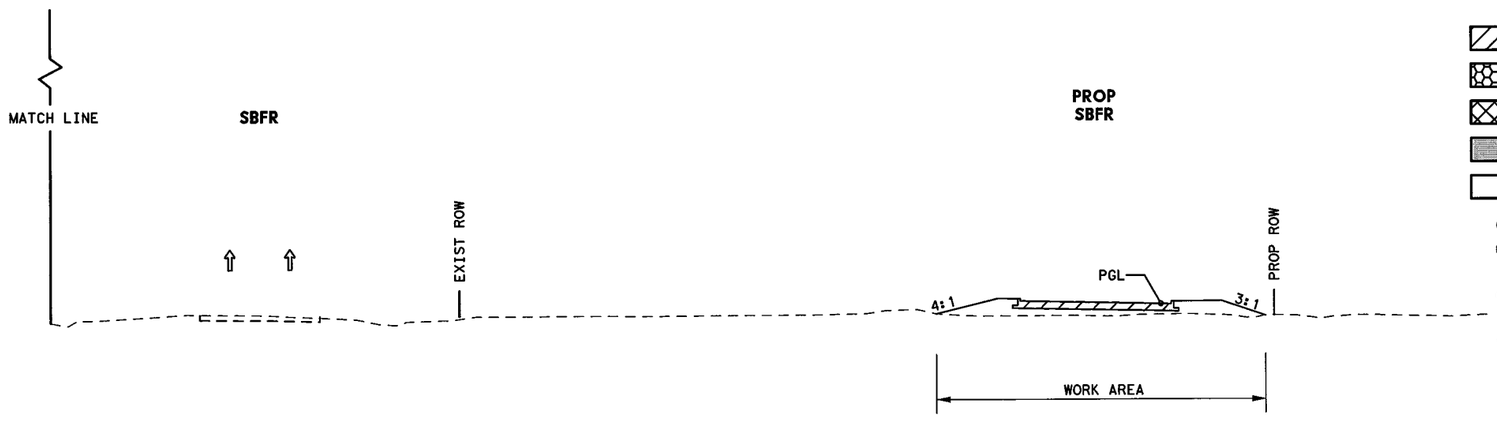
FILENAME: S3BTCT21_01.dgn
DRAWING DATE: 7/29/2012




## TCP SECTION B-B
## STA 1445+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/20/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 2 STEP 1**

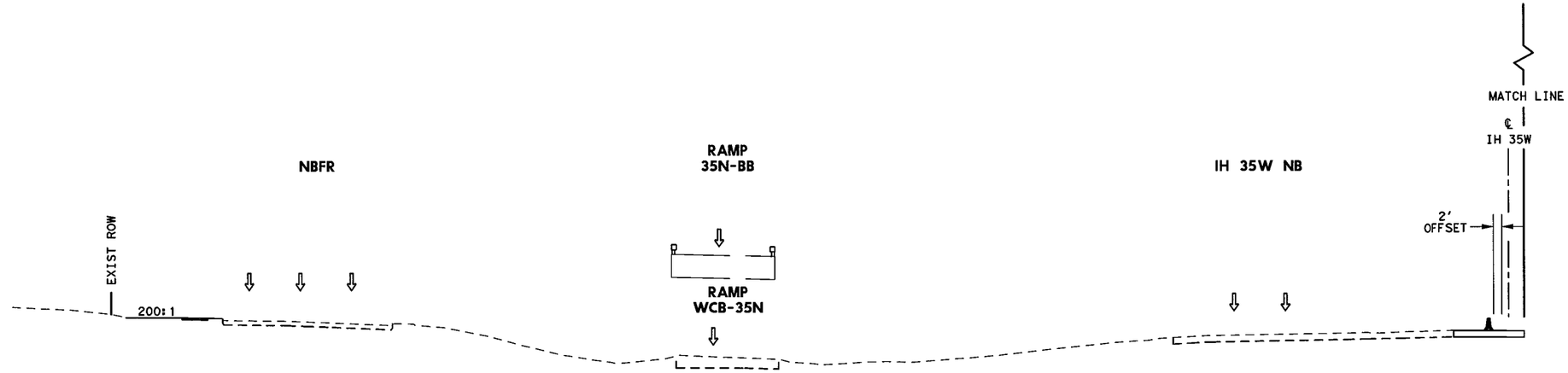
SCALE: NTS

SHEET 2 OF 4

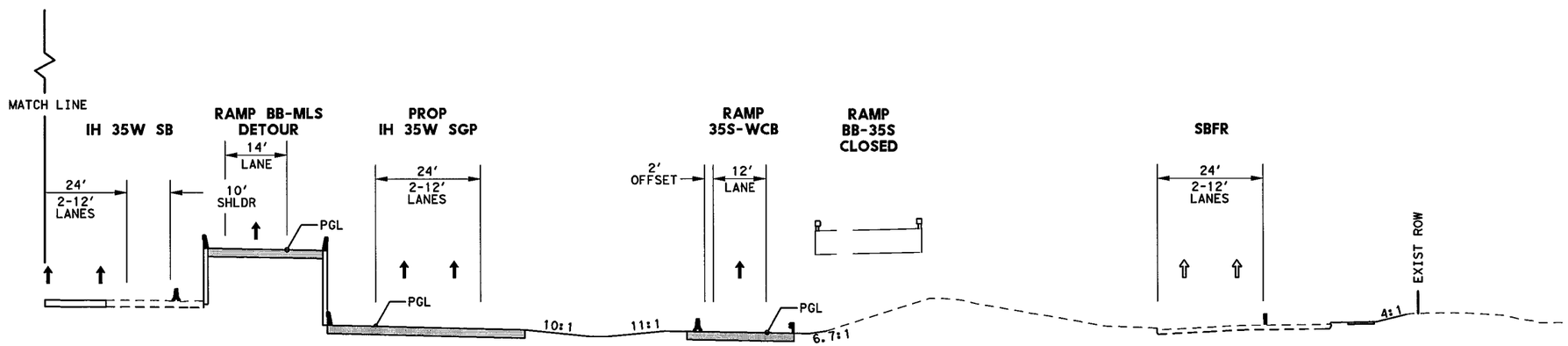
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 325 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCT21_02.dgn

DRAWING DATE: 7/29/2012




TCP SECTION C-C
STA 1525+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 2 STEP 1

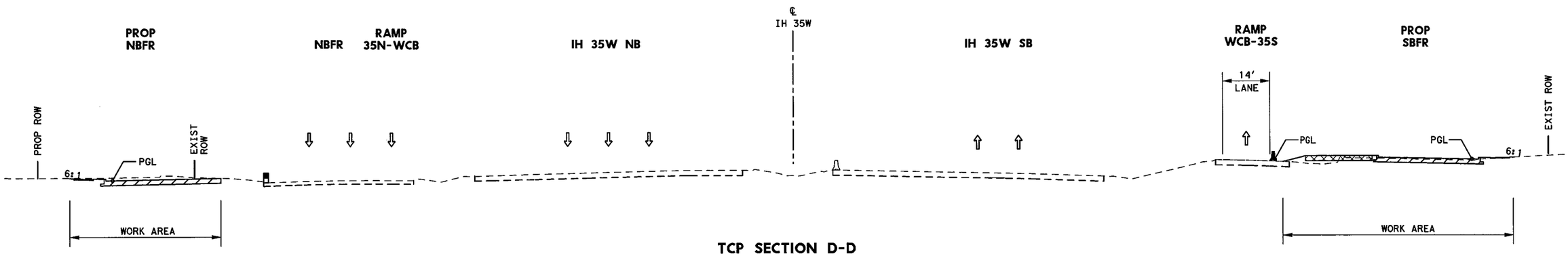
SCALE: NTS

SHEET 3 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 326 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCT21_03.dgn

DRAWING DATE: 7/29/2012




**TCP SECTION D-D**
**STA 1554+00**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 2 STEP 1**

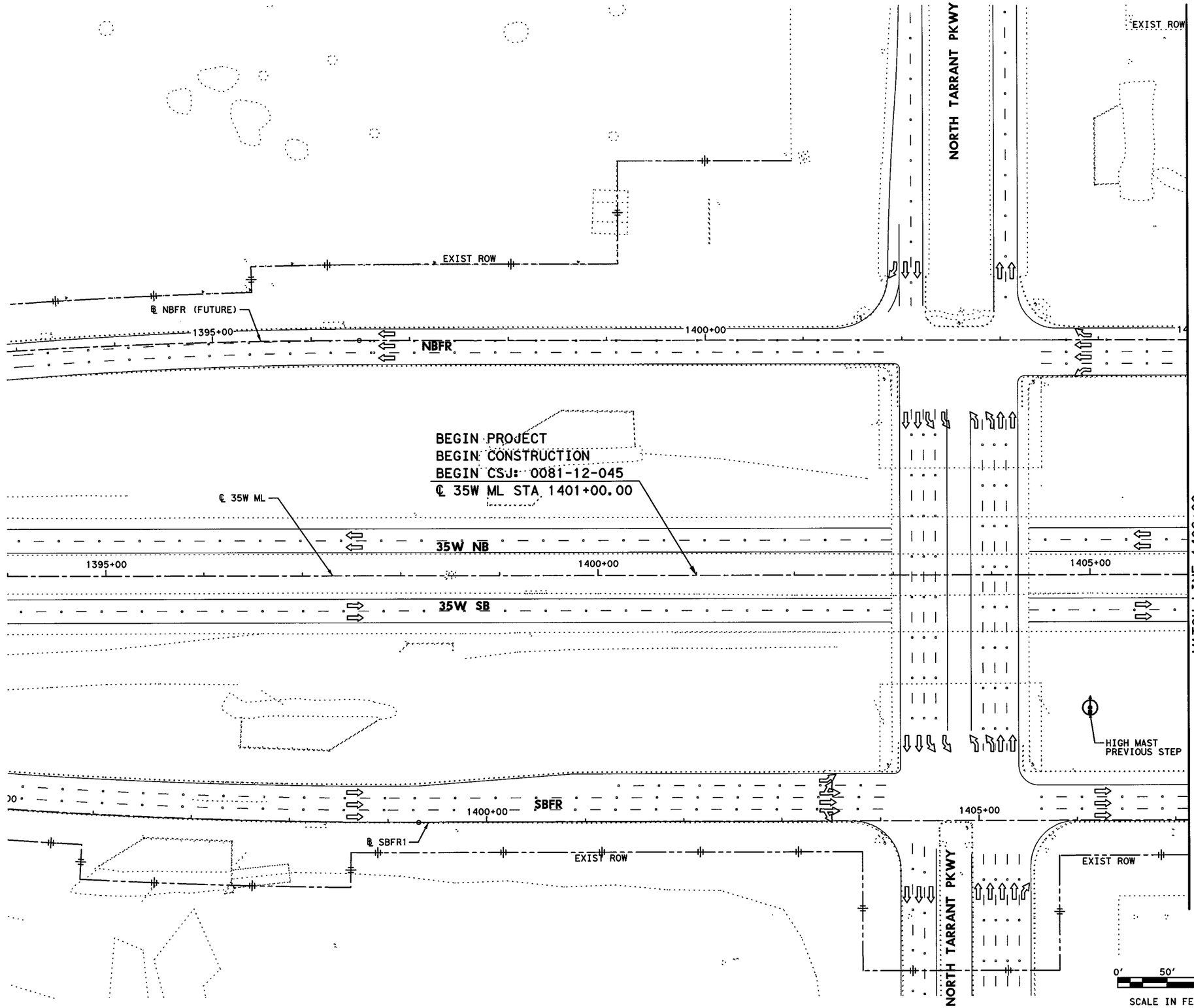
SCALE: NTS

SHEET 4 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 327 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCT21_04.dgn

DRAWING DATE: 7/29/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 1

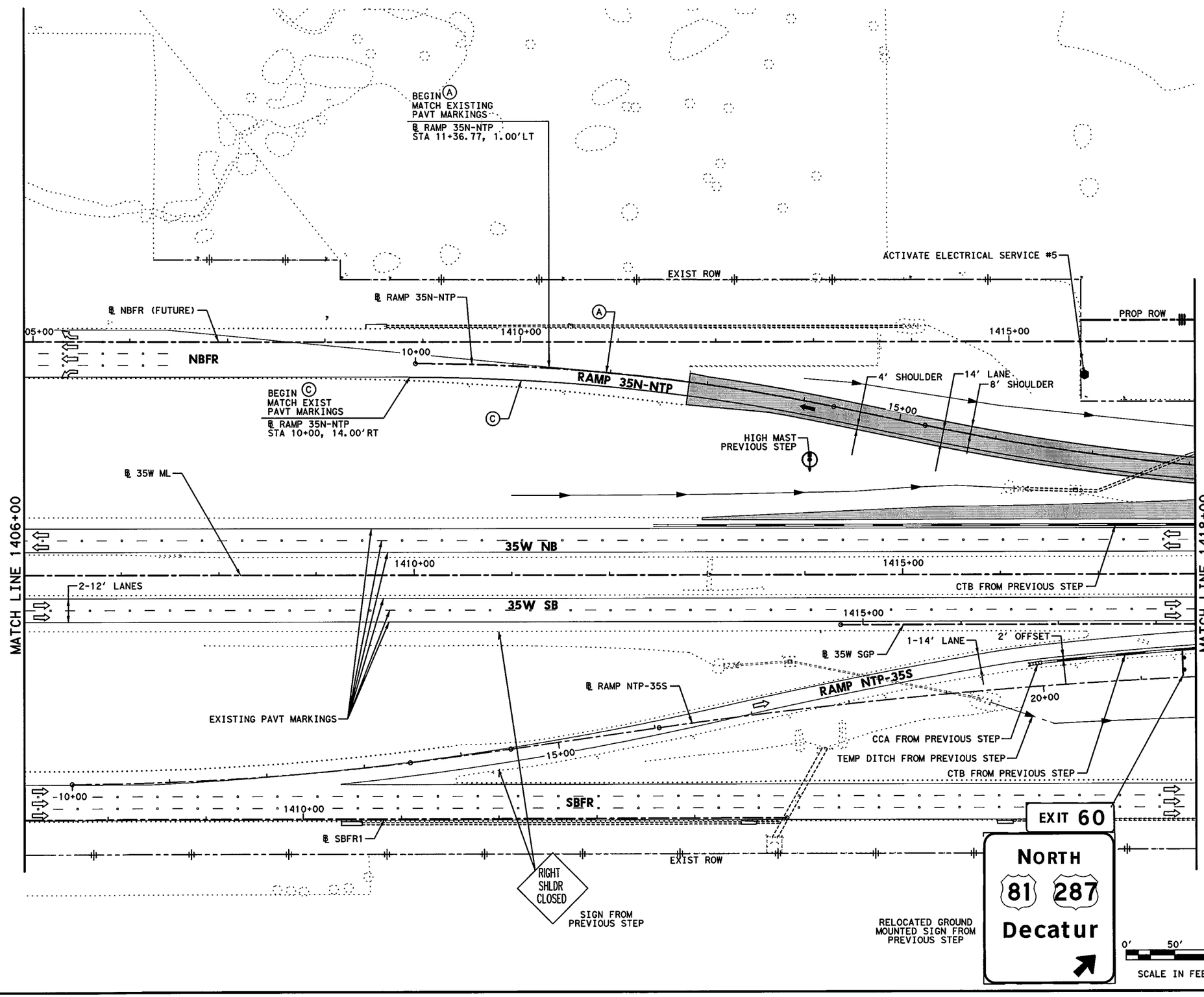
SCALE 1" = 100'

SHEET 1 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 328 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21_01.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

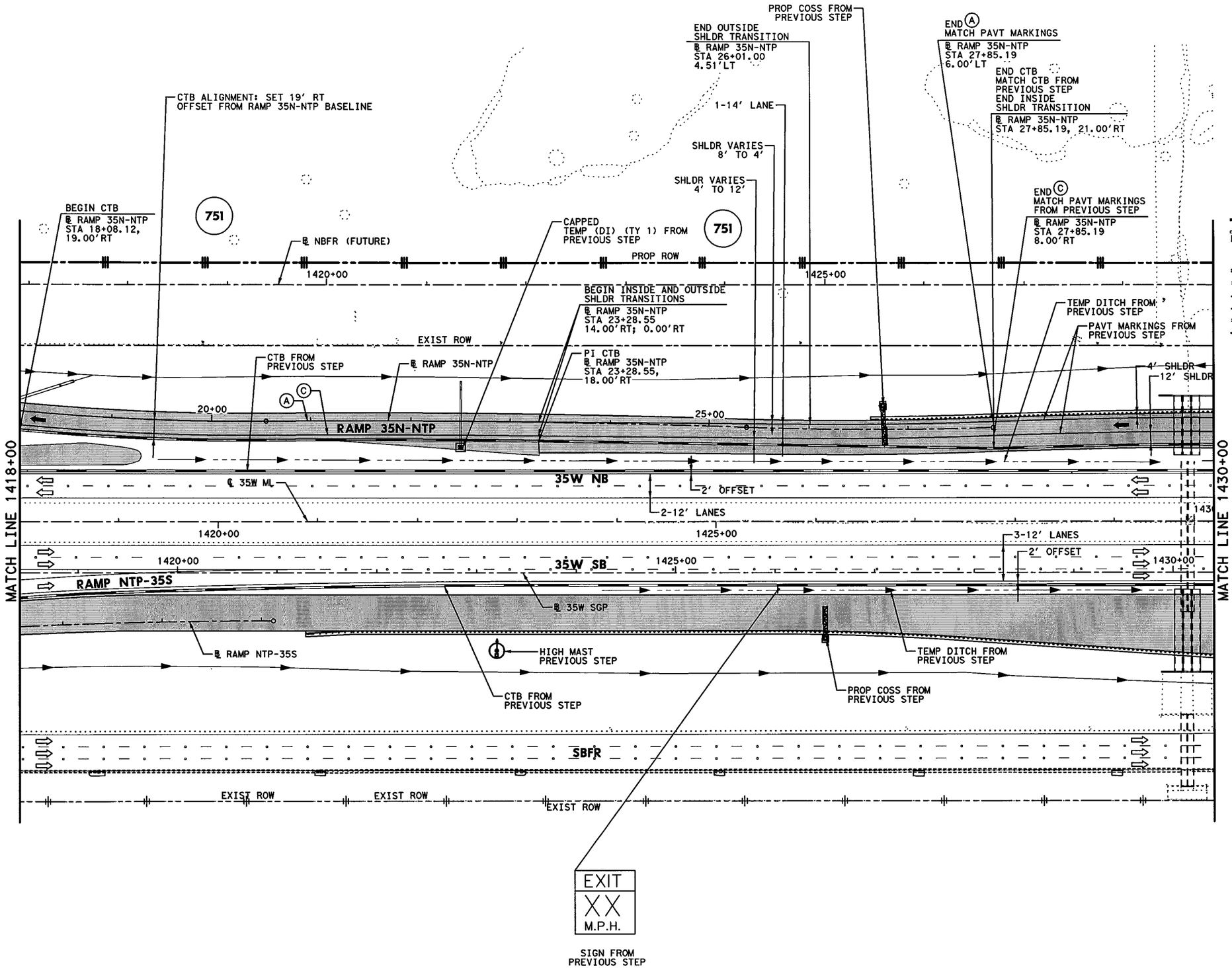
**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100'

SHEET 2 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 329 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP21_02.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

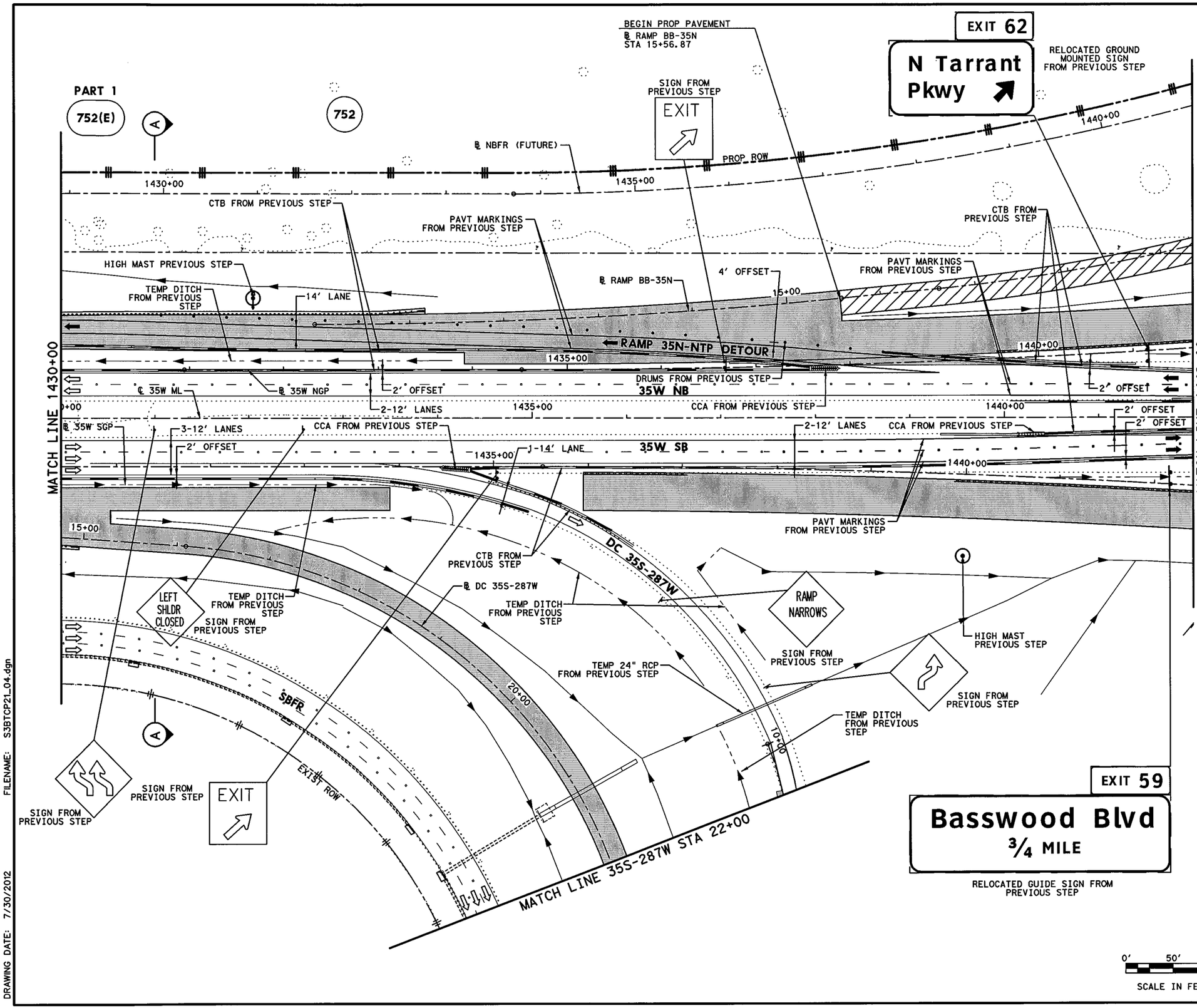
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100' SHEET 3 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 330 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21_03.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

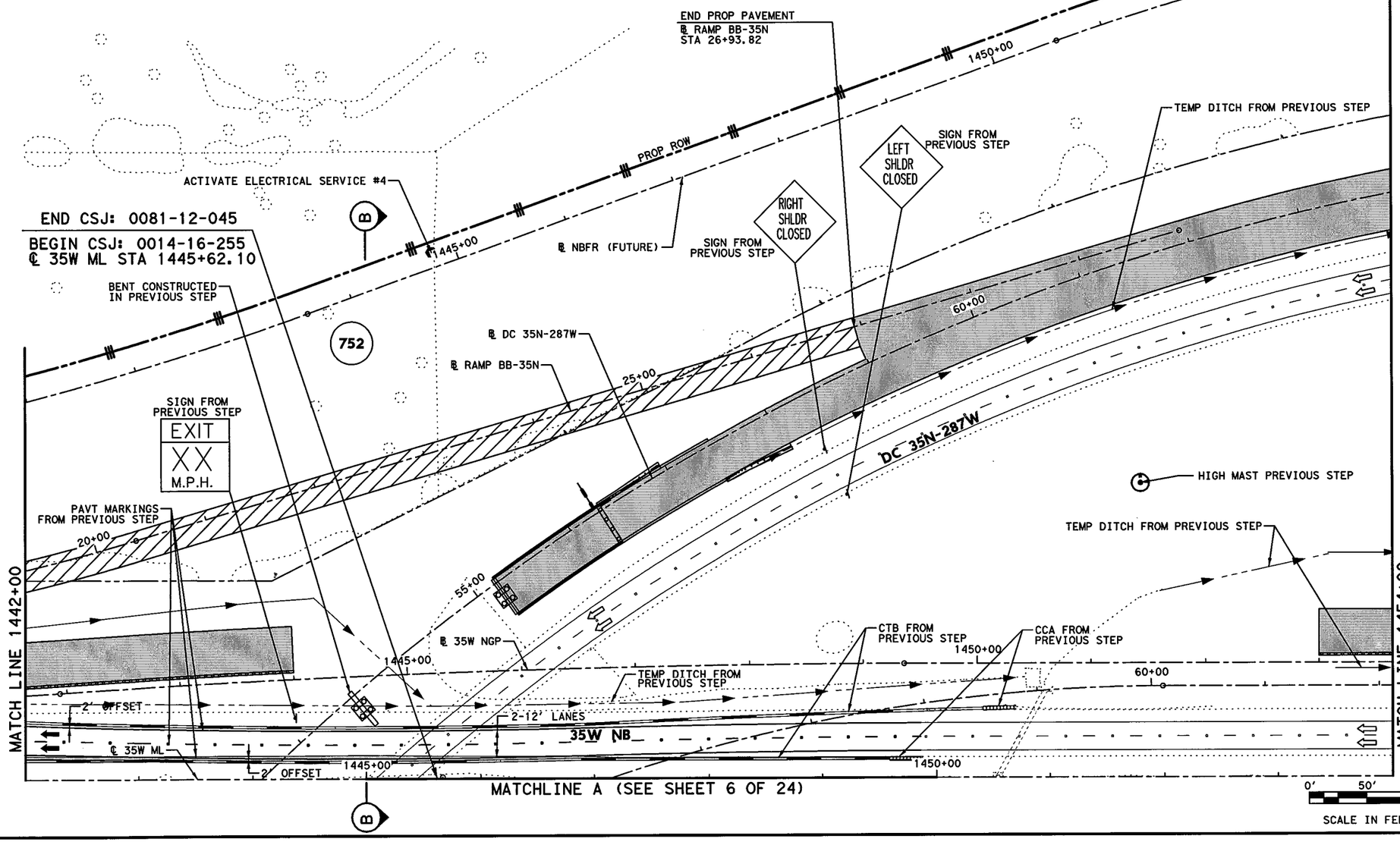
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100'
SHEET 4 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 331 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21_04.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

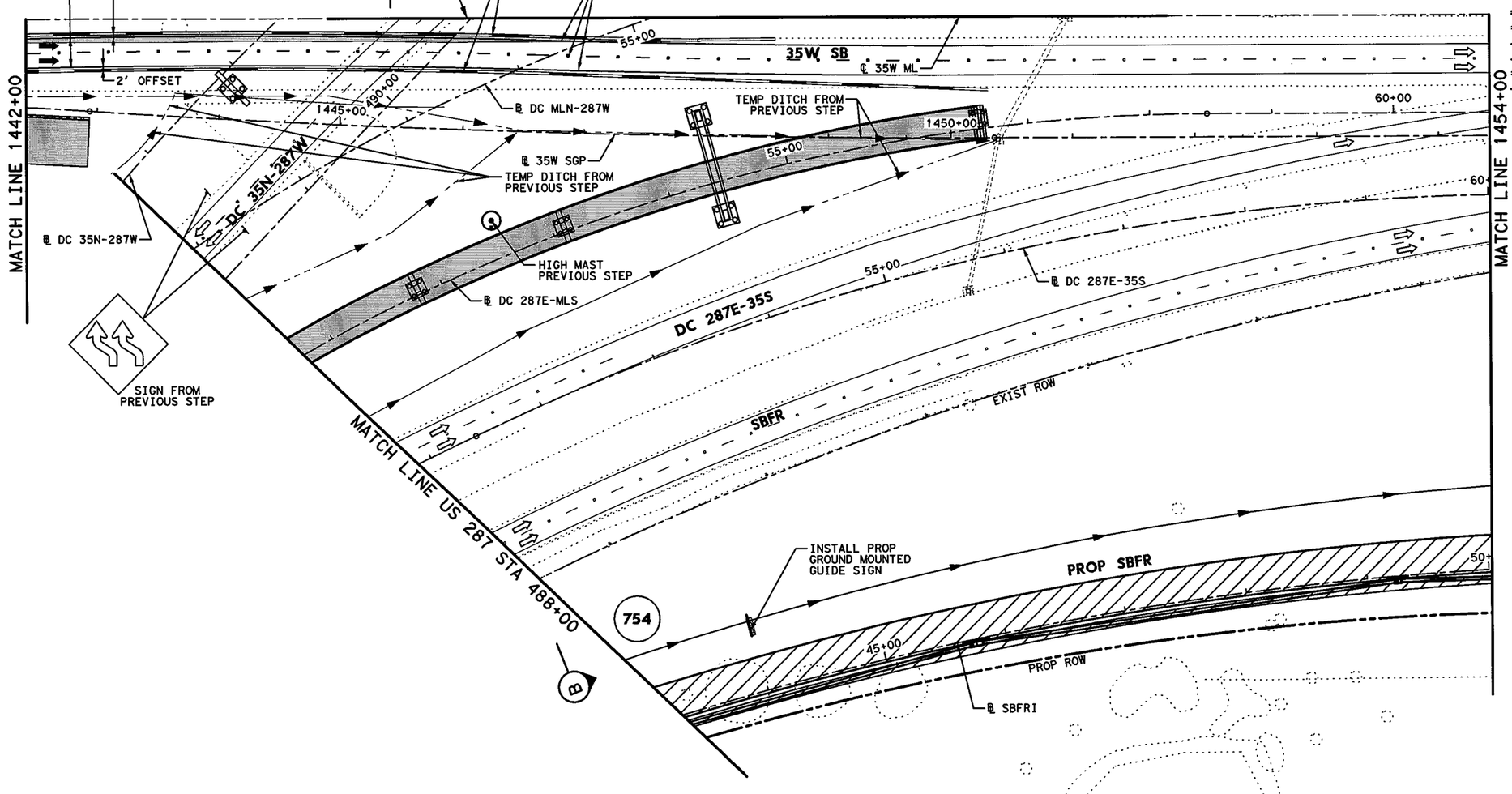
SCALE 1" = 100' SHEET 5 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 332 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP21_05.dgn
DRAWING DATE: 7/30/2012

END CSJ: 0081-12-045

BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

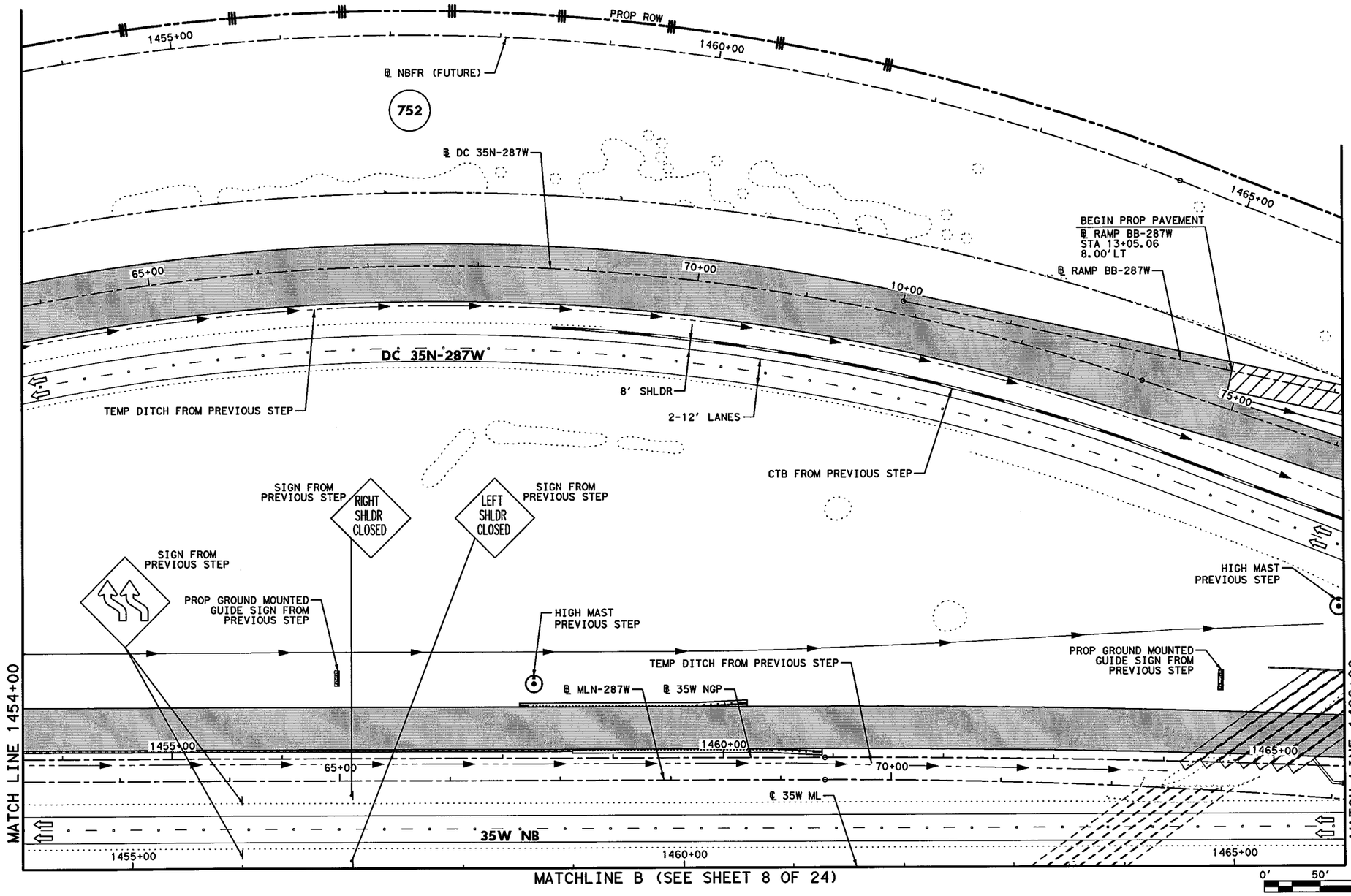
# TRAFFIC CONTROL PLAN
## PHASE 2 STEP 1

SCALE 1" = 100' SHEET 6 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 333 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21_06.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

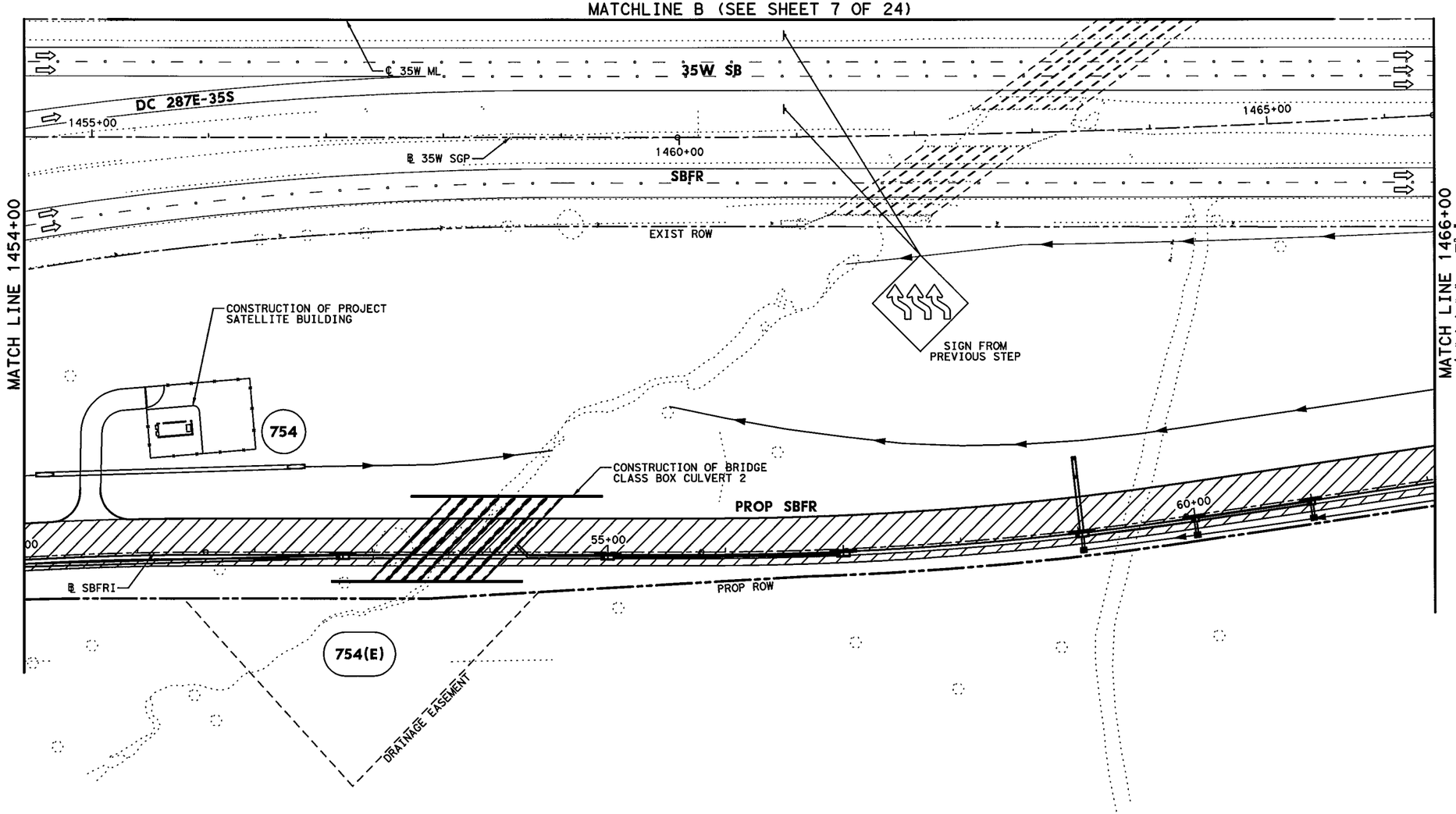
**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100'
SHEET 7 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 334 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21_07.dgn
DRAWING DATE: 7/30/2012

MATCHLINE B (SEE SHEET 7 OF 24)




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

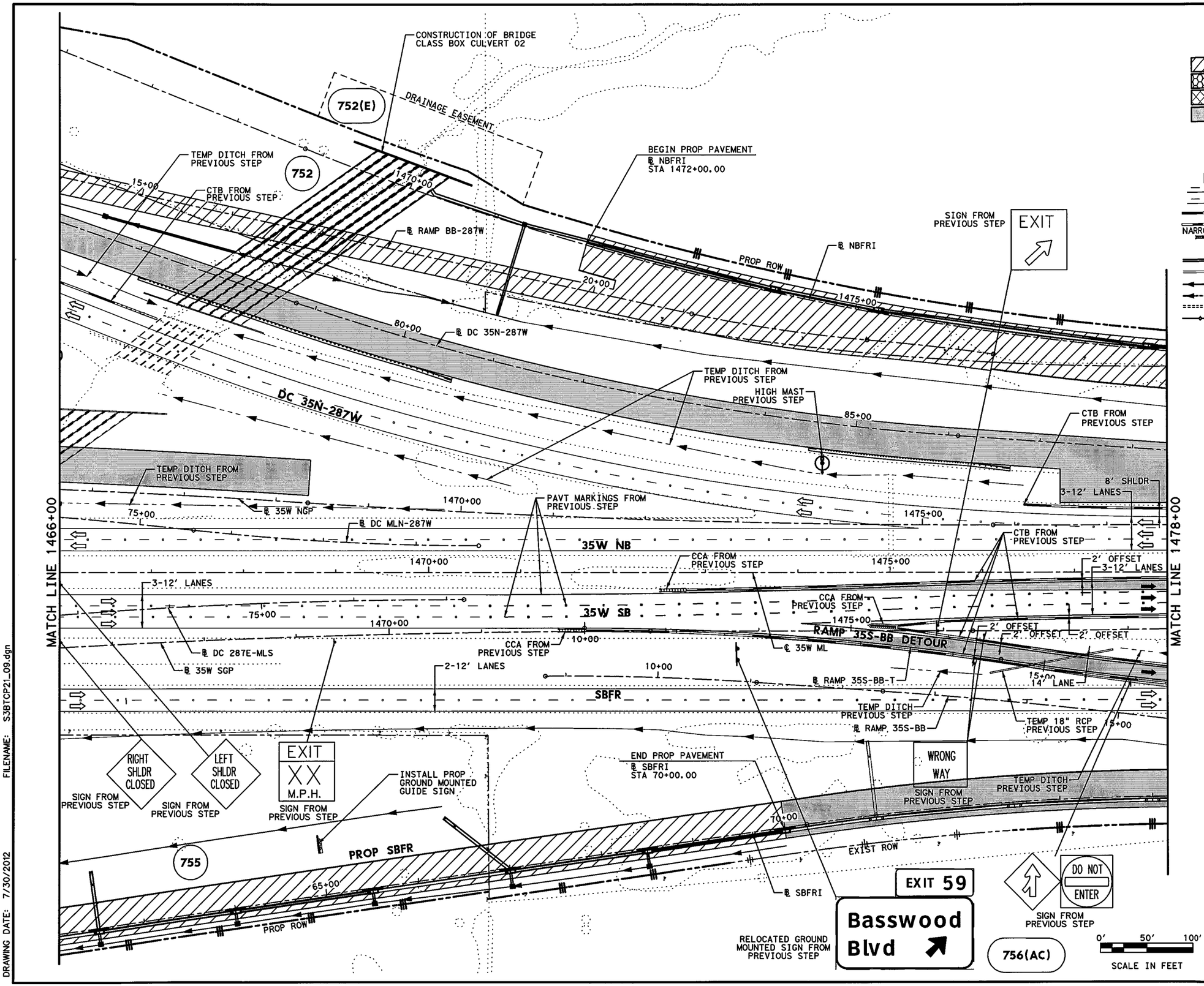
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100' SHEET 8 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 335 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21_08.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

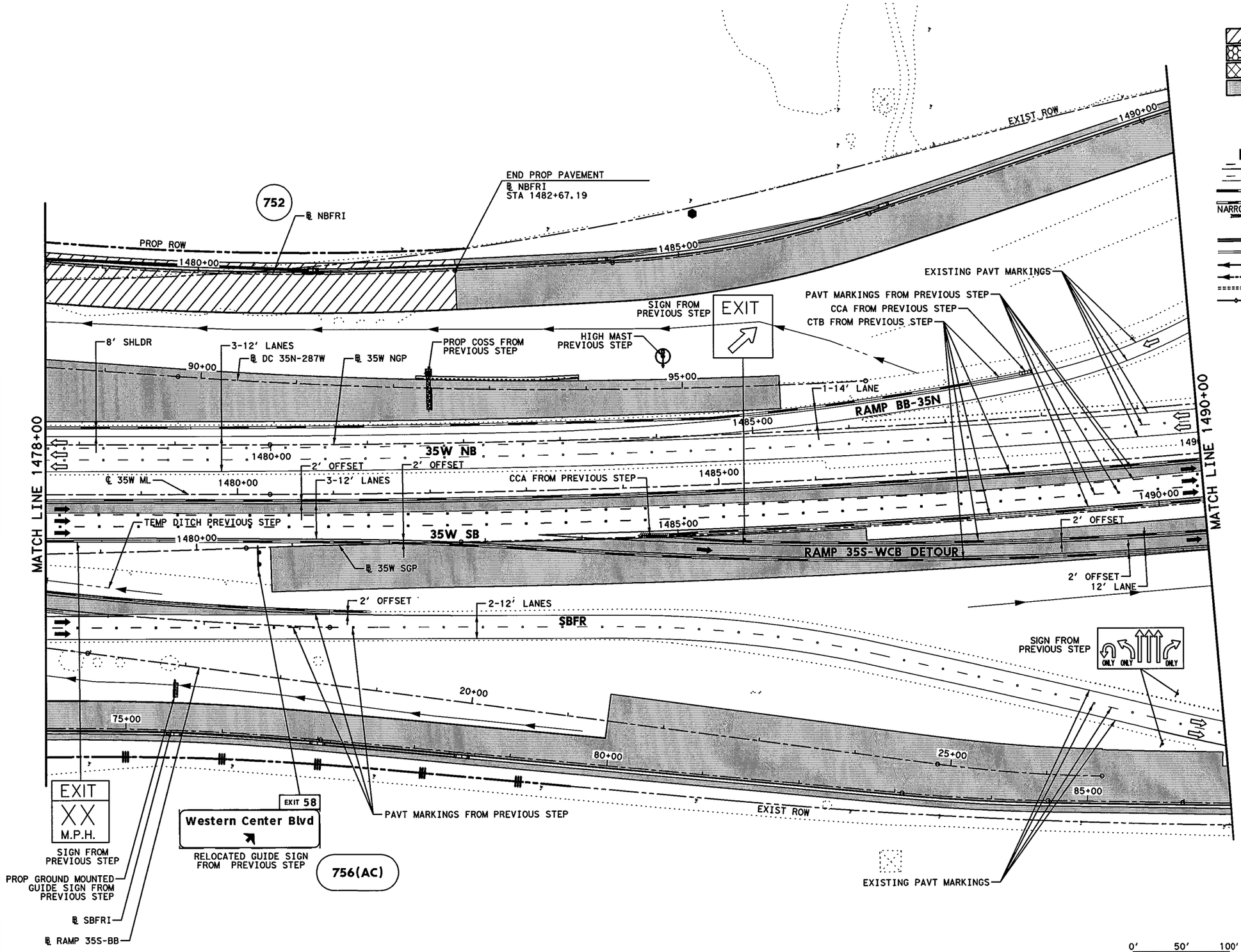
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100' SHEET 9 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 336 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21_09.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

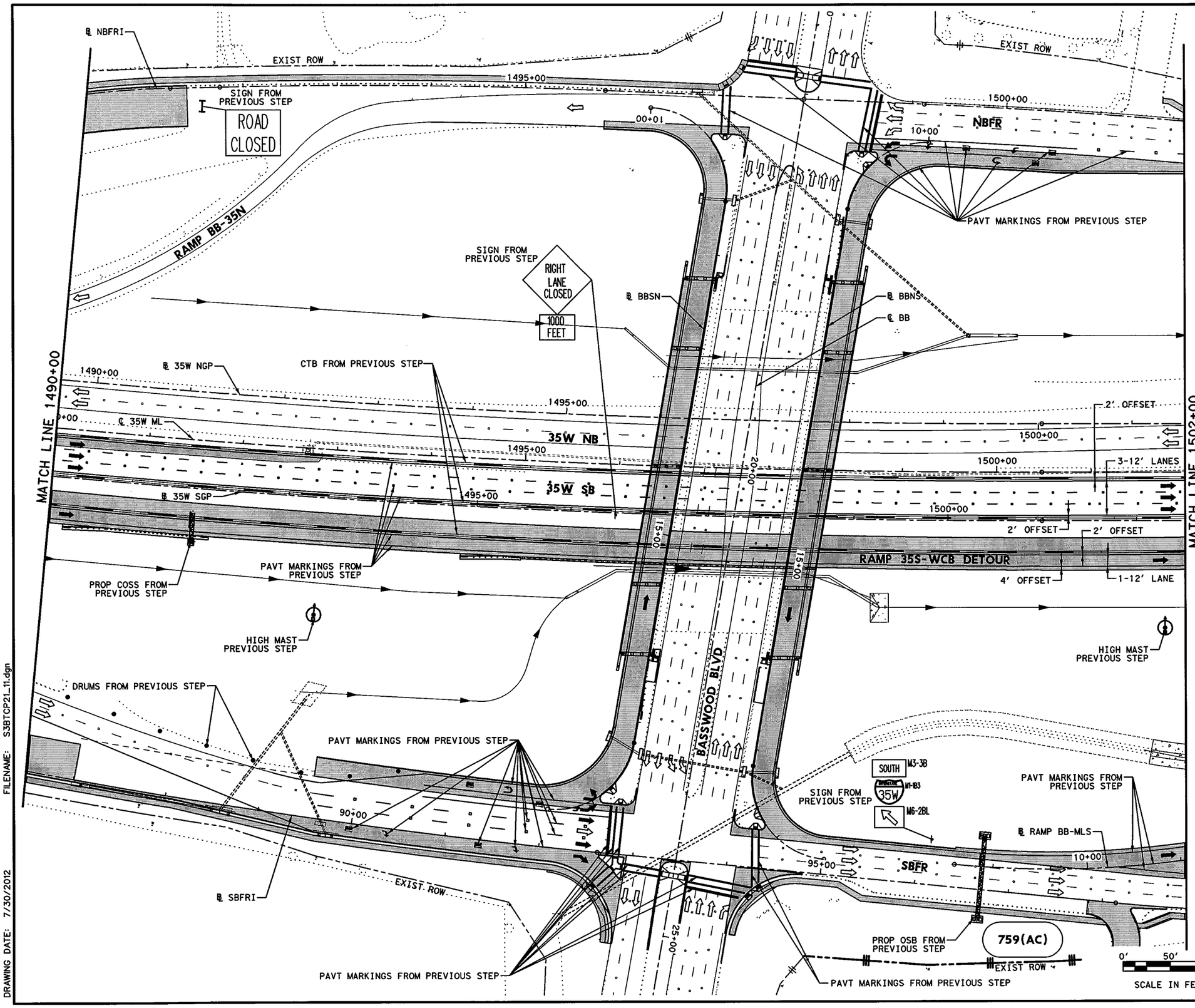
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100' SHEET 10 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 337 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP21_10.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

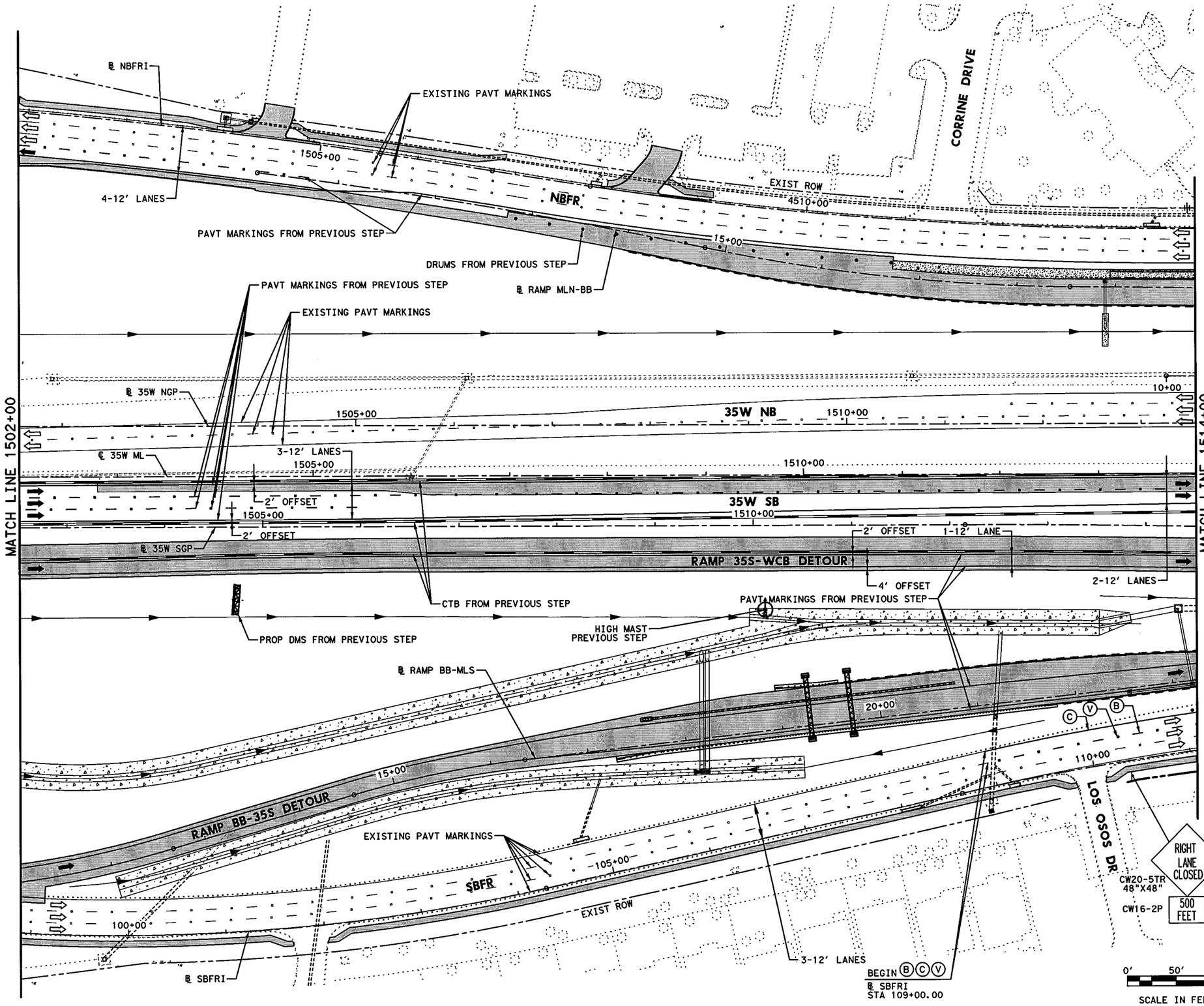
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100' SHEET 11 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 338 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP21_11.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

- (A) WK ZN PAV MRK REMOV (W) 4" (SLD)
- (B) WK ZN PAV MRK REMOV (W) 4" (BRK)
- (C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
- (G) WK ZN PAV MRK REMOV (W) 8" (SLD)
- (H) WK ZN PAV MRK REMOV (W) 12" (SLD)
- (I) WK ZN PAV MRK REMOV (W) 24" (SLD)
- (M) WK ZN PAV MRK REMOV (W)(ARROW)
- (N) WK ZN PAV MRK REMOV (W)(WORD)
- (O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
- (P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
- (S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
- (T) WK ZN PAV MRK REMOV (W) 4" (DOT)
- (U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
- (V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

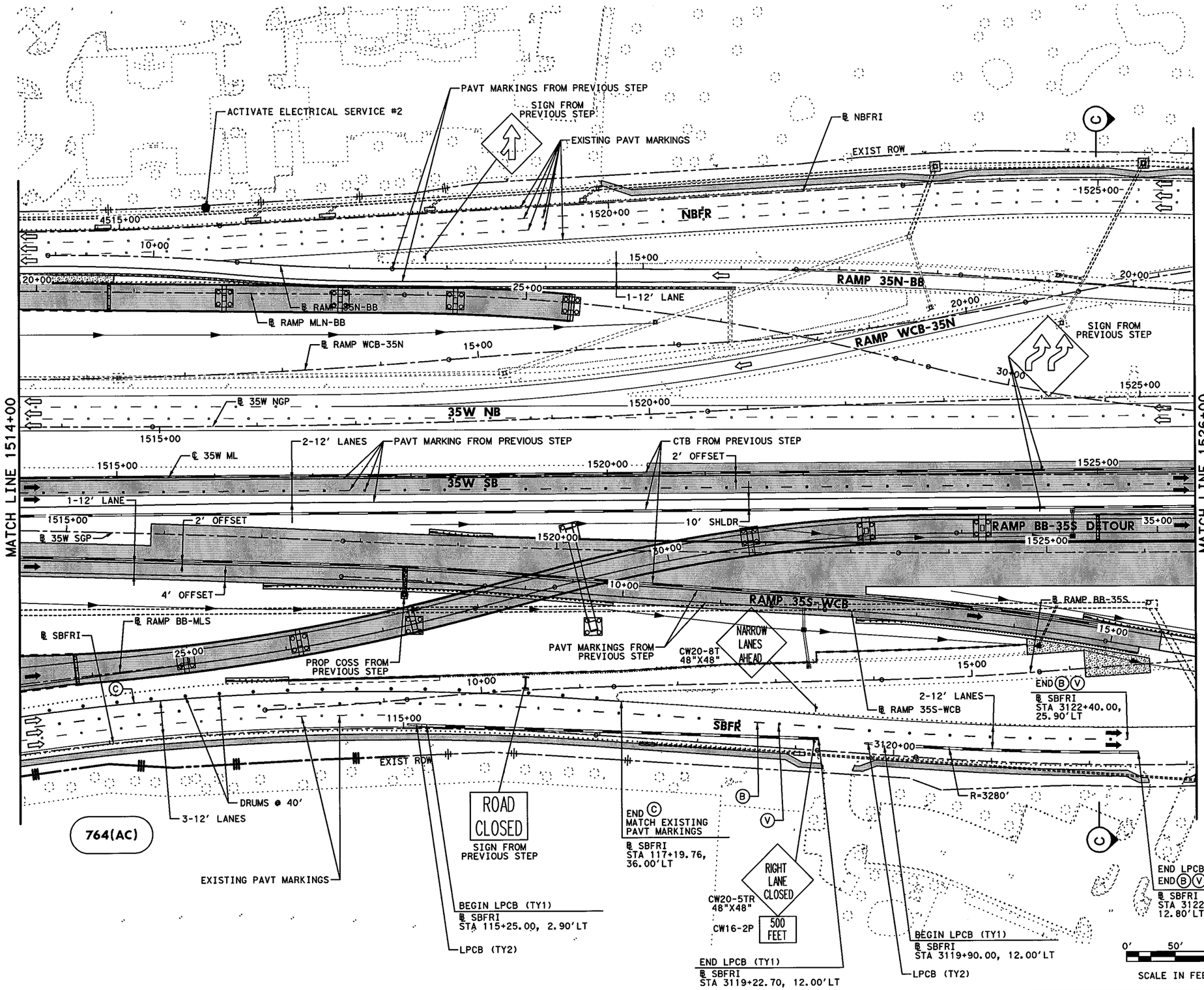
**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100'

SHEET 12 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 339 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP21_12.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

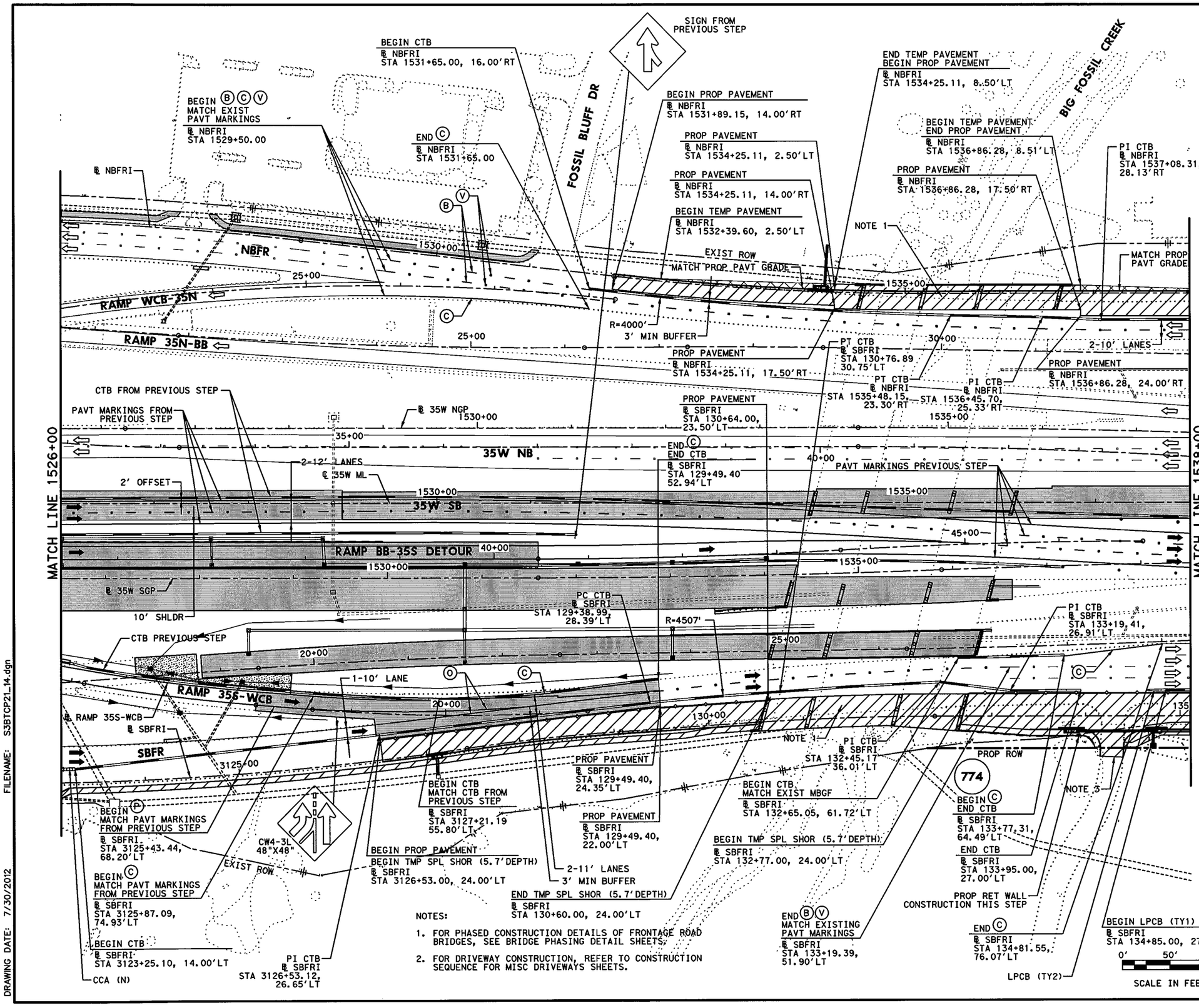
# TRAFFIC CONTROL PLAN
## PHASE 2 STEP 1

SCALE 1" = 100'

SHEET 13 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 340 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP21_13.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. FOR PHASED CONSTRUCTION DETAILS OF FRONTAGE ROAD BRIDGES, SEE BRIDGE PHASING DETAIL SHEETS.
2. FOR DRIVEWAY CONSTRUCTION, REFER TO CONSTRUCTION SEQUENCE FOR MISC DRIVEWAYS SHEETS.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

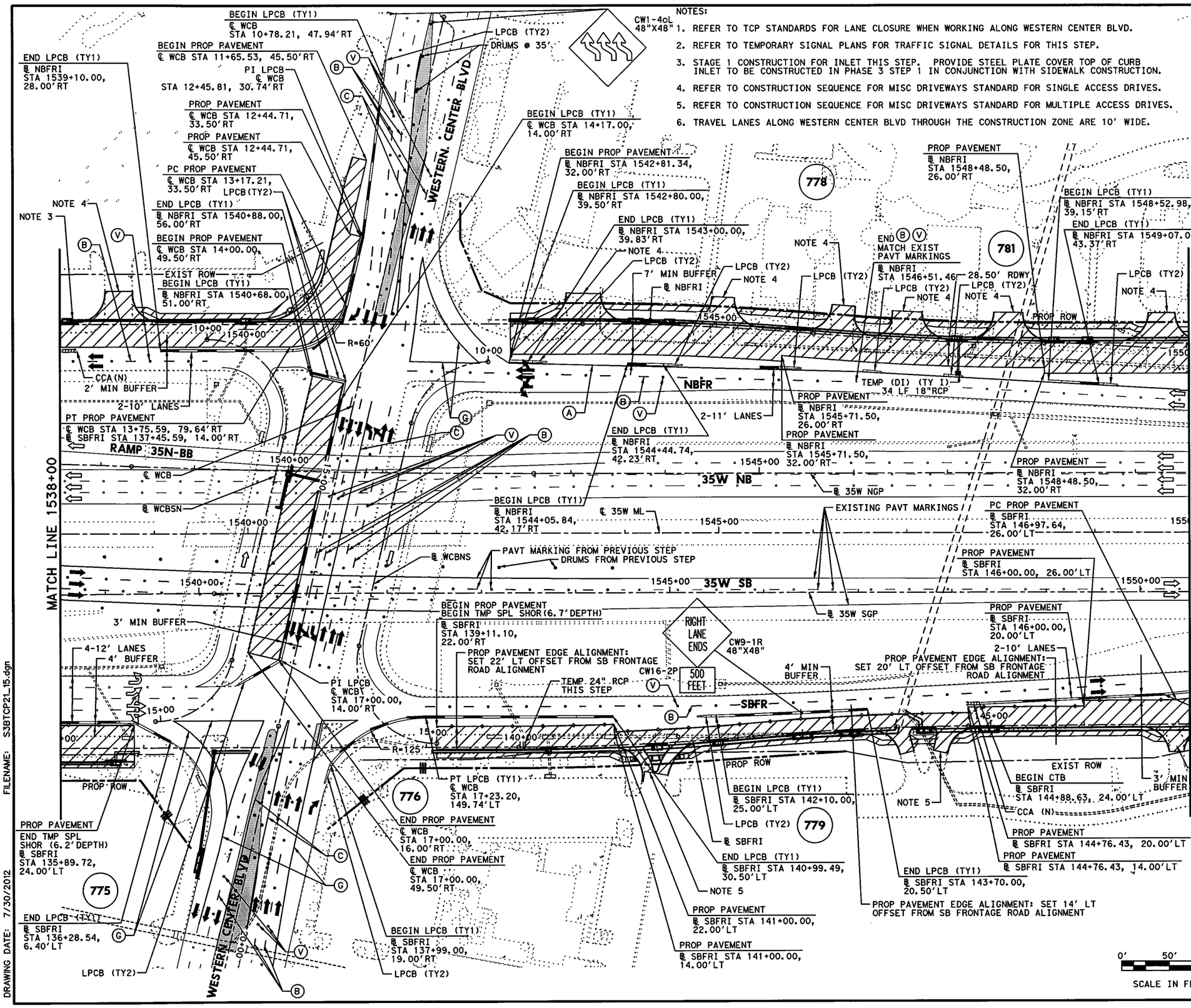
SCALE 1" = 100' SHEET 14 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 341 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF / SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP21_14.dgn
DRAWING DATE: 7/30/2012

NOTES:

1. REFER TO TCP STANDARDS FOR LANE CLOSURE WHEN WORKING ALONG WESTERN CENTER BLVD.
2. REFER TO TEMPORARY SIGNAL PLANS FOR TRAFFIC SIGNAL DETAILS FOR THIS STEP.
3. STAGE 1 CONSTRUCTION FOR INLET THIS STEP. PROVIDE STEEL PLATE COVER TOP OF CURB INLET TO BE CONSTRUCTED IN PHASE 3 STEP 1 IN CONJUNCTION WITH SIDEWALK CONSTRUCTION.
4. REFER TO CONSTRUCTION SEQUENCE FOR MISC DRIVEWAYS STANDARD FOR SINGLE ACCESS DRIVES.
5. REFER TO CONSTRUCTION SEQUENCE FOR MISC DRIVEWAYS STANDARD FOR MULTIPLE ACCESS DRIVES.
6. TRAVEL LANES ALONG WESTERN CENTER BLVD THROUGH THE CONSTRUCTION ZONE ARE 10' WIDE.




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

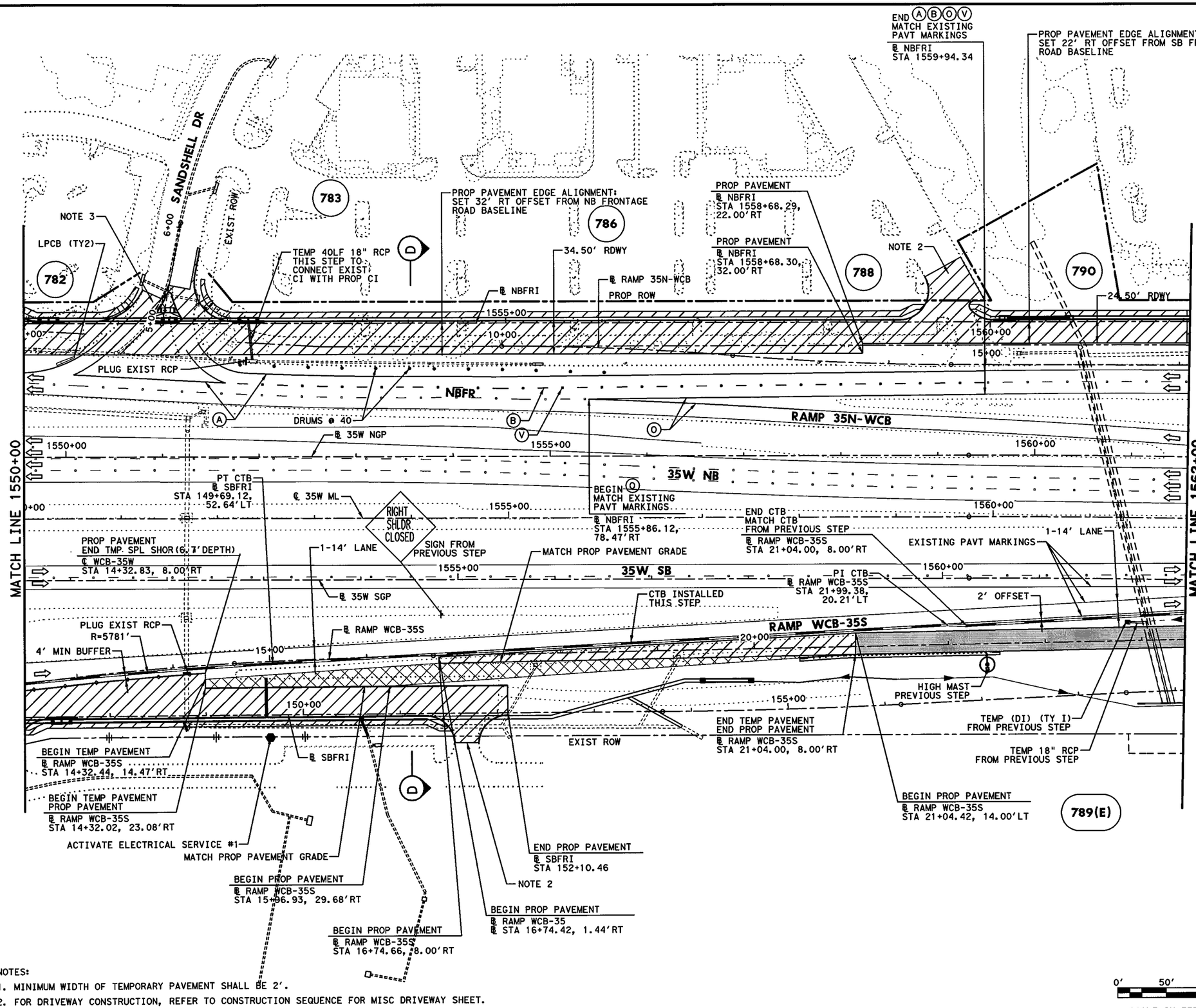
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 1

SCALE 1" = 100' SHEET 15 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 342 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21_15.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:
1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
2. FOR DRIVEWAY CONSTRUCTION, REFER TO CONSTRUCTION SEQUENCE FOR MISC DRIVEWAY SHEET.
3. CONSTRUCT SANDSHELL DR INTERSECTION AS A SINGLE ACCESS DRIVE WAY.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

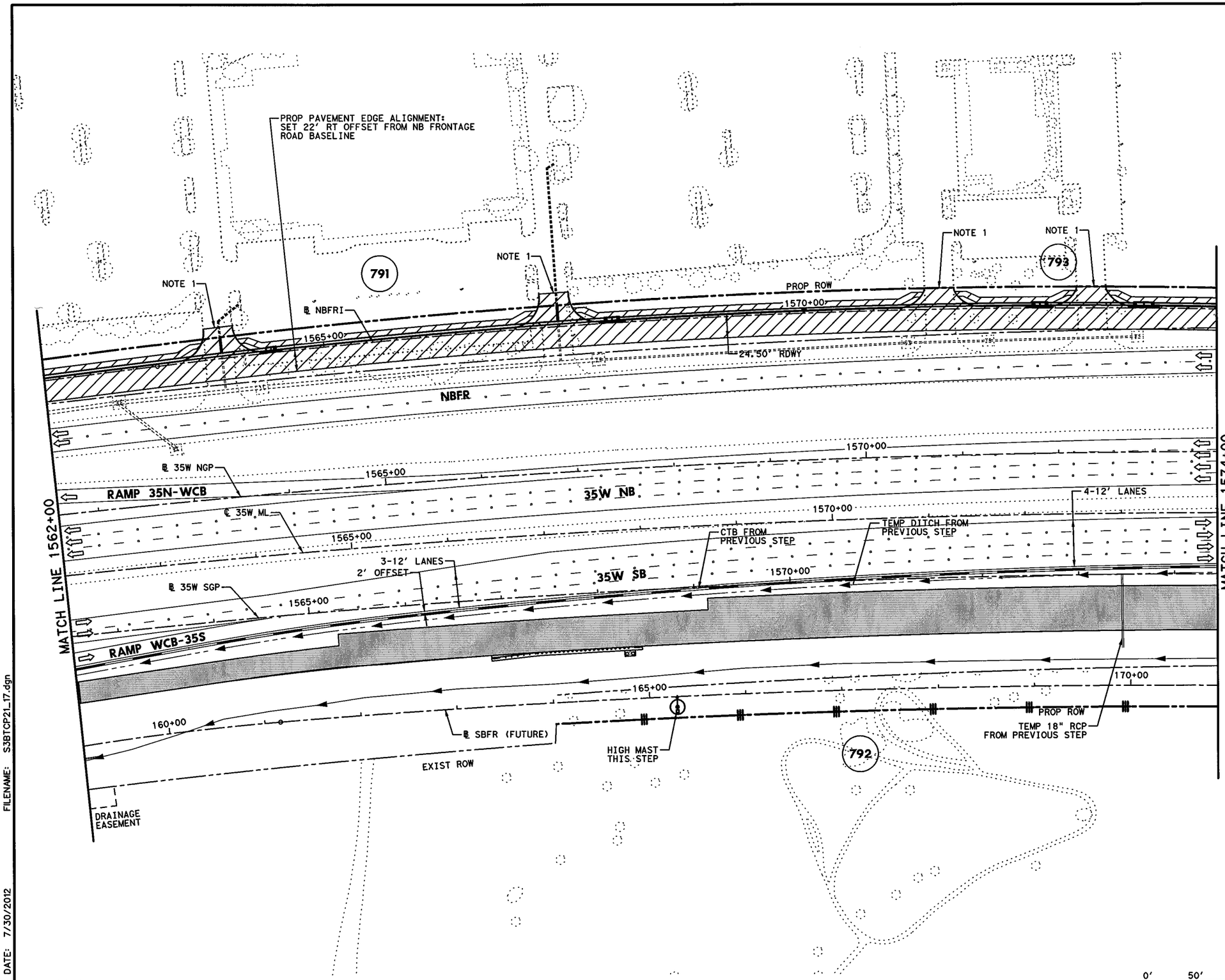
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100' SHEET 16 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 343 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21_16.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. FOR DRIVEWAY CONSTRUCTION, REFER TO CONSTRUCTION SEQUENCE FOR MISC DRIVEWAY CONSTRUCTION SHEET.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

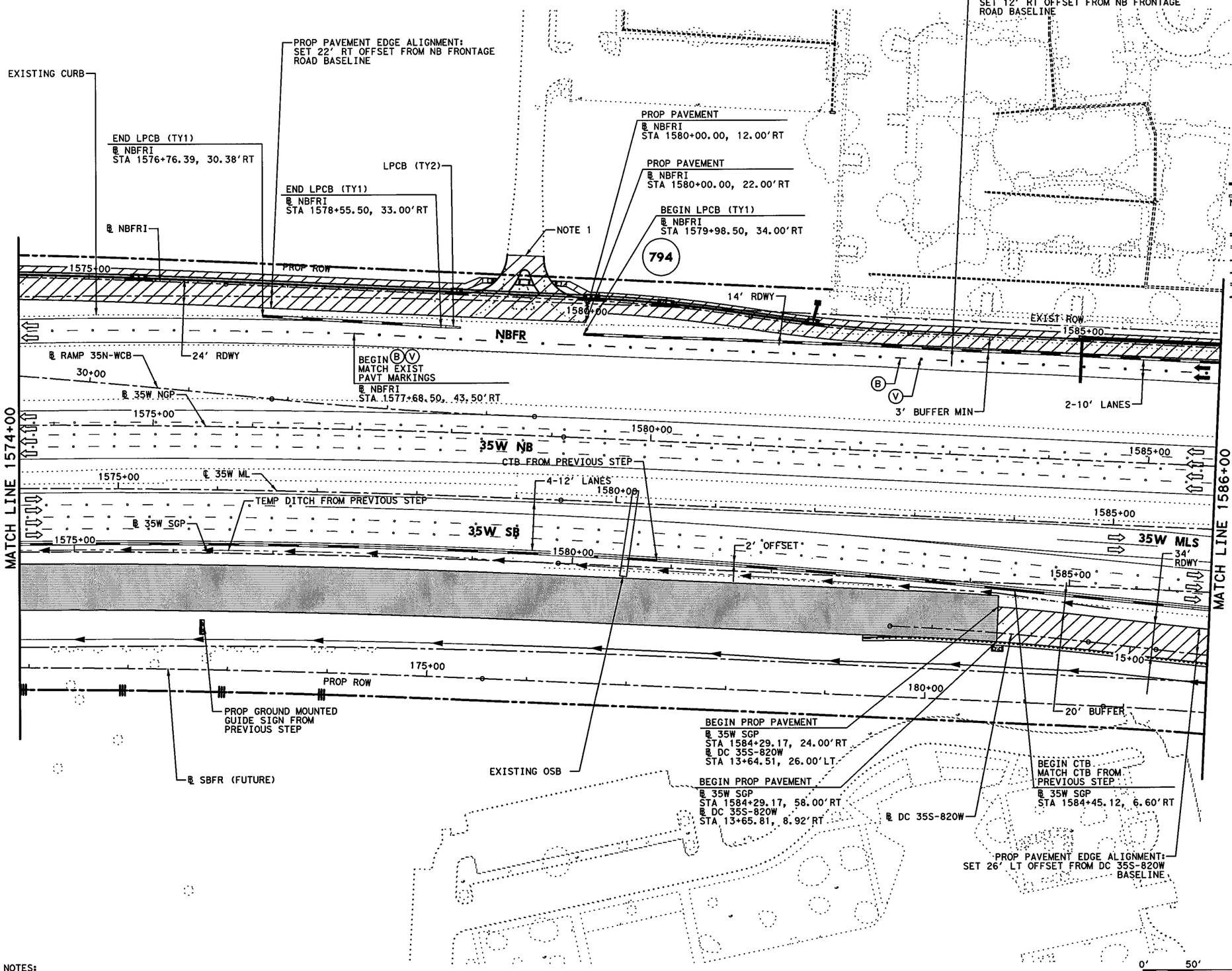
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100' SHEET 17 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 344 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21_17.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. FOR DRIVEWAY CONSTRUCTION, REFER TO CONSTRUCTION SEQUENCE FOR MISC DRIVEWAY SHEET.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

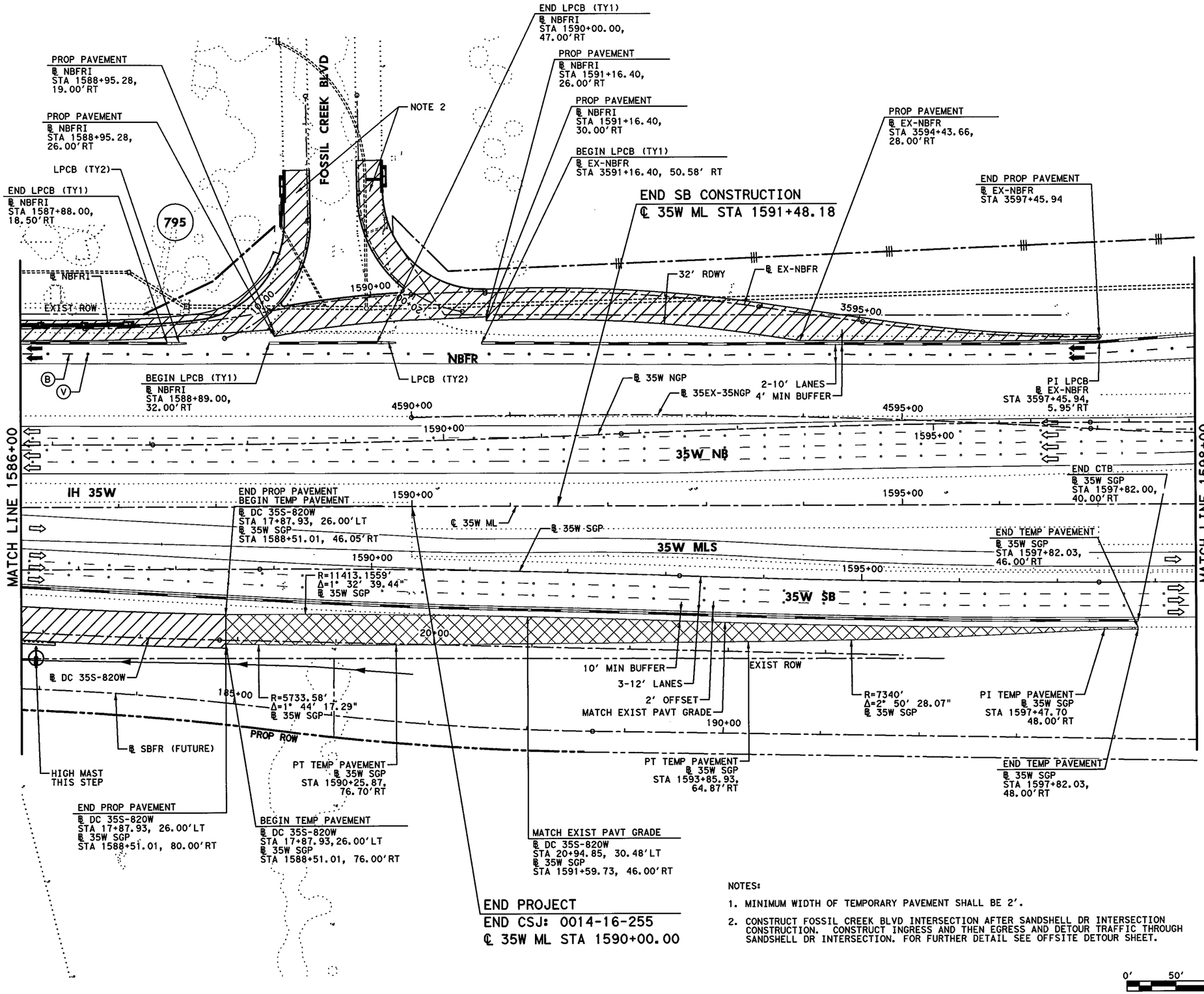
**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 345 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP21_18.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
2. CONSTRUCT FOSSIL CREEK BLVD INTERSECTION AFTER SANDSHELL DR INTERSECTION CONSTRUCTION. CONSTRUCT INGRESS AND THEN EGRESS AND DETOUR TRAFFIC THROUGH SANDSHELL DR INTERSECTION. FOR FURTHER DETAIL SEE OFFSITE DETOUR SHEET.

0' 50' 100'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

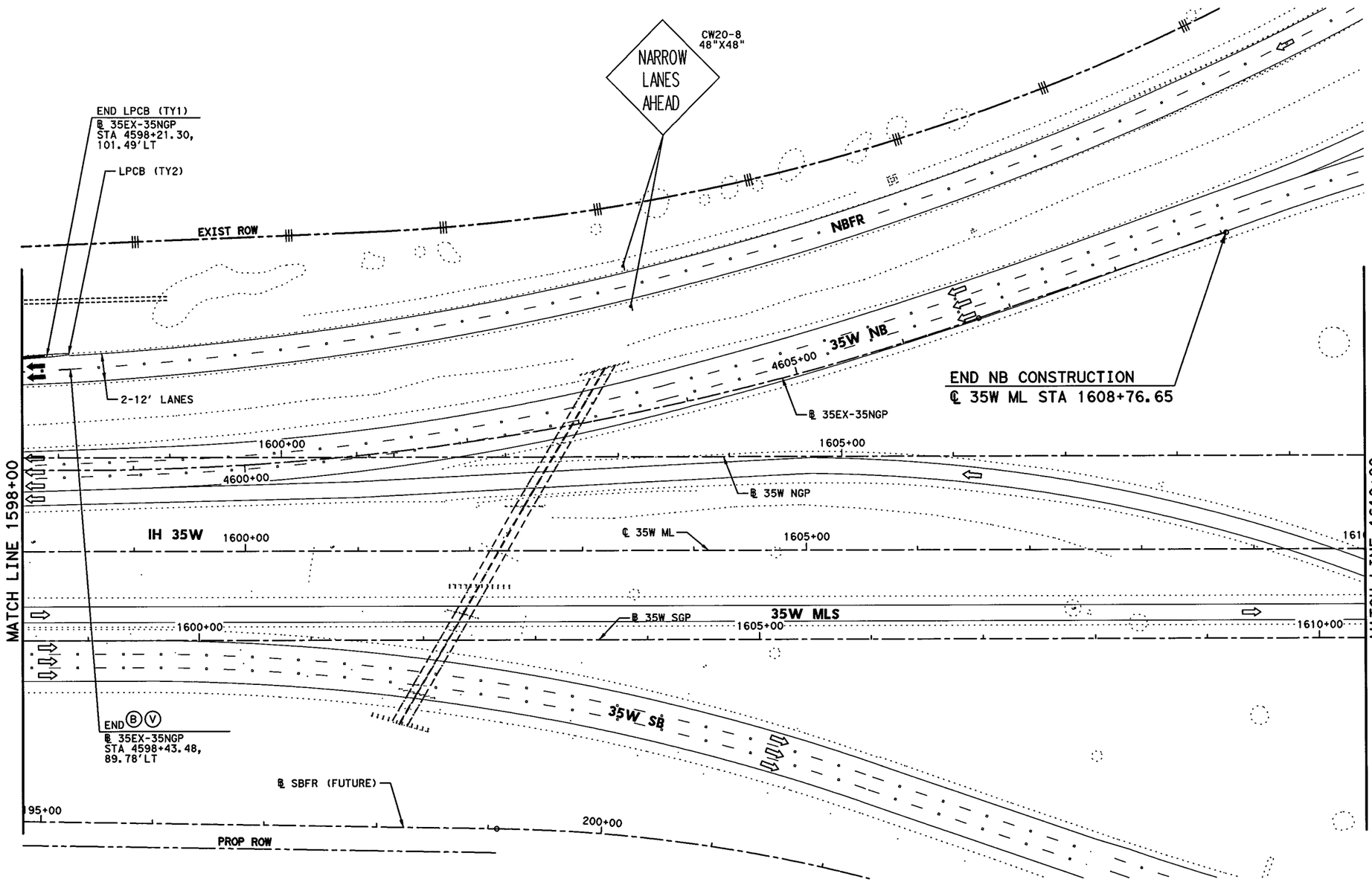
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100' SHEET 19 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 346 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21_19.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

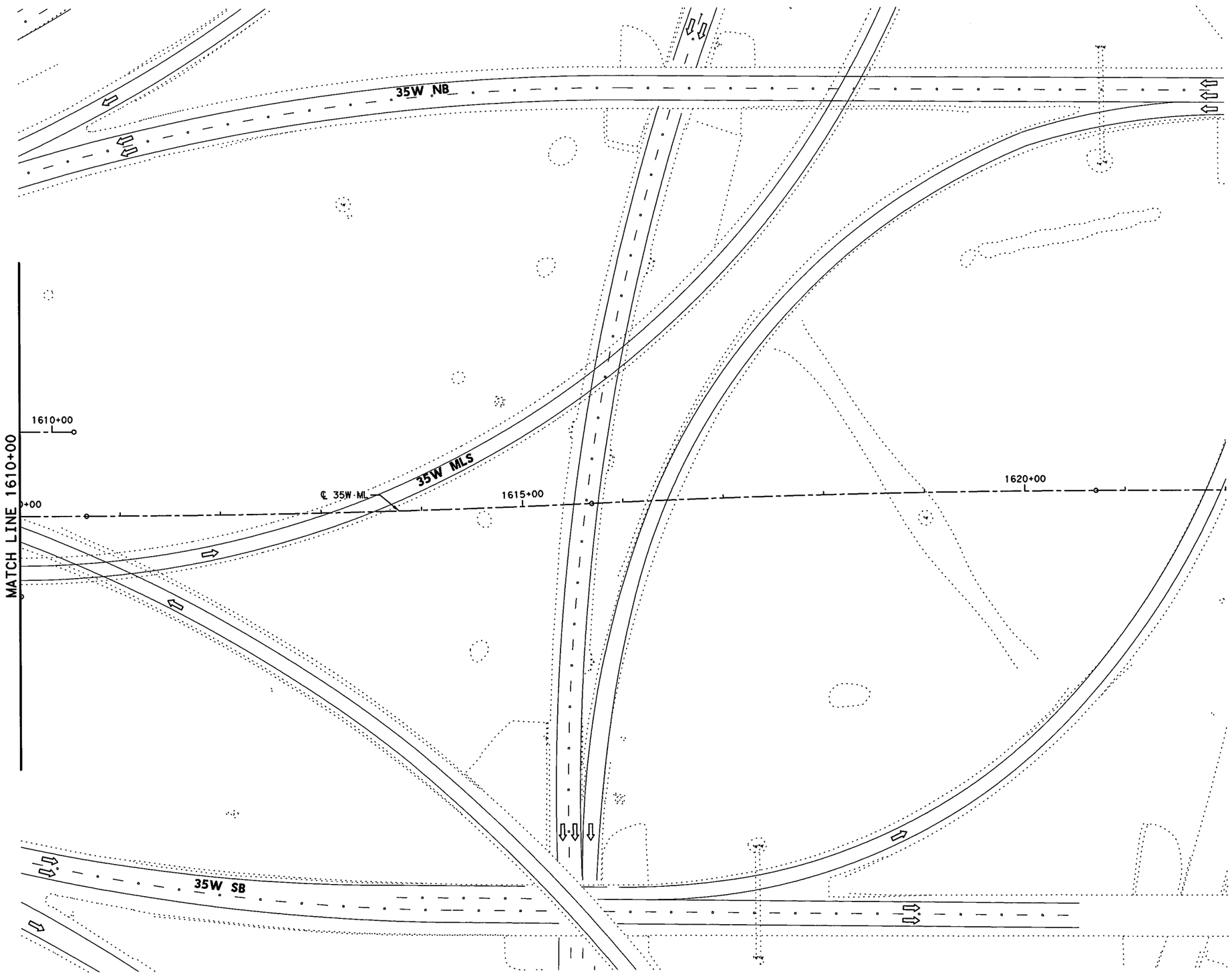
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100' SHEET 20 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 347 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21_20.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

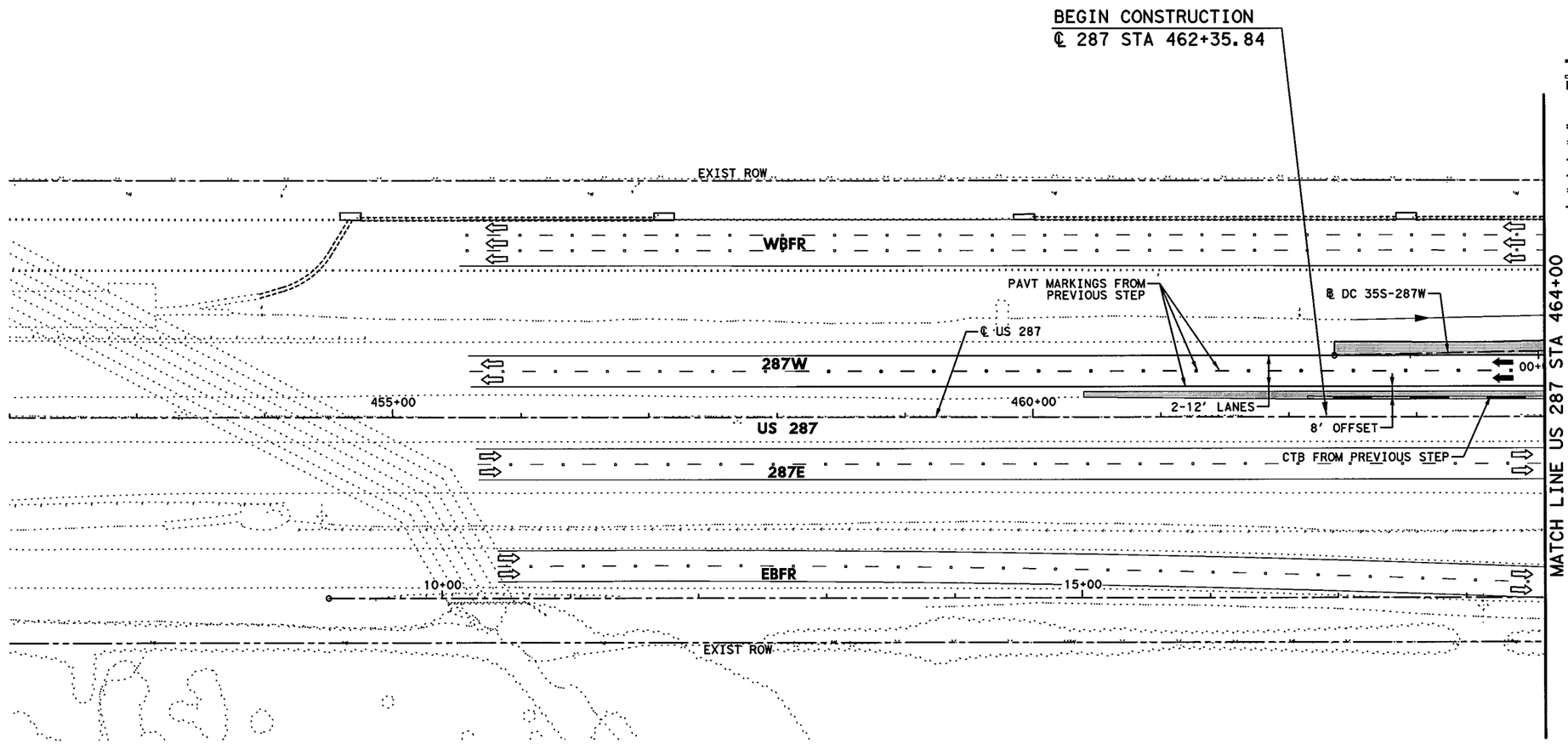
# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 1

SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 348 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP21_21.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

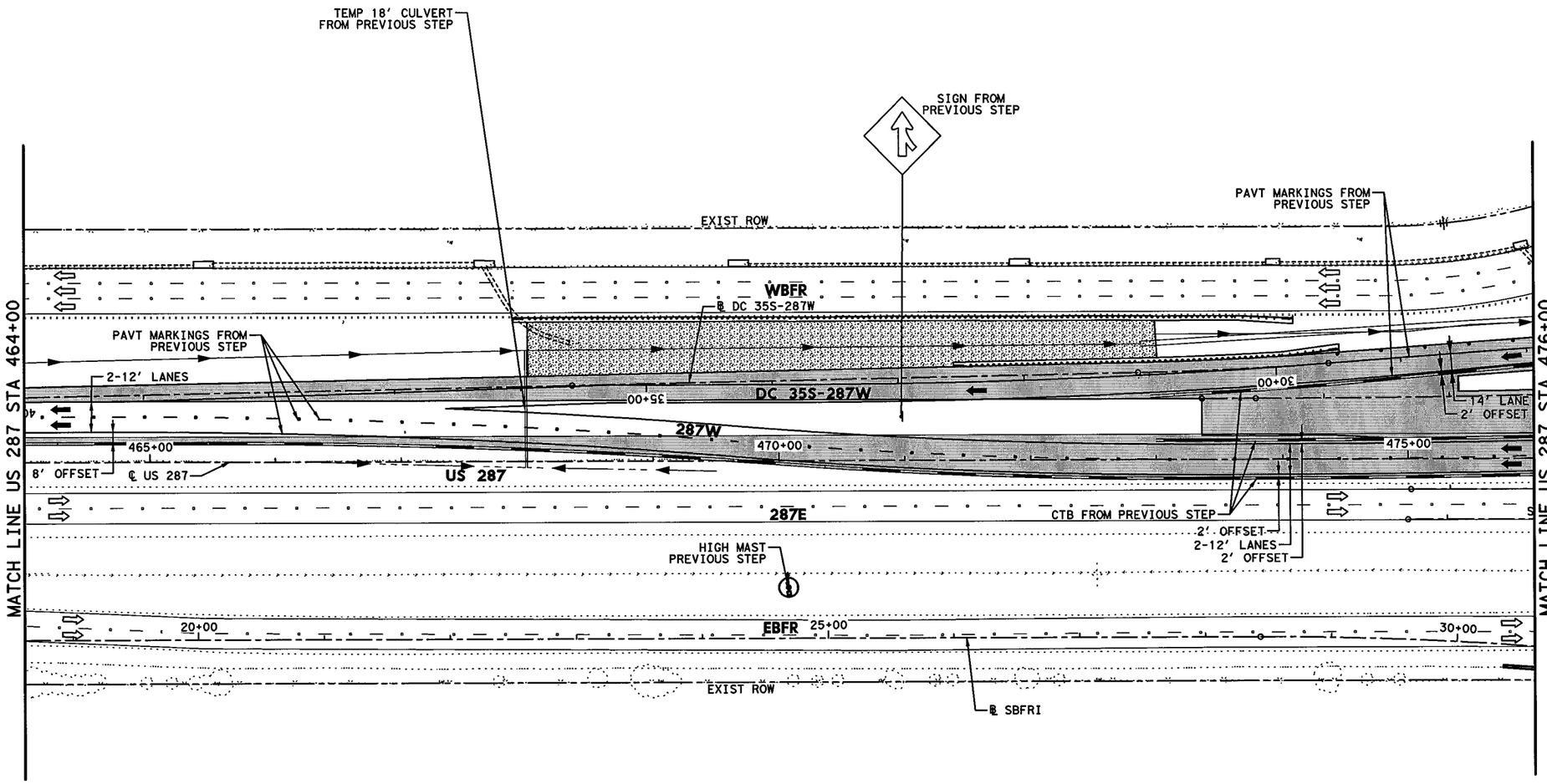
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100' SHEET 22 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 349 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP21_22.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

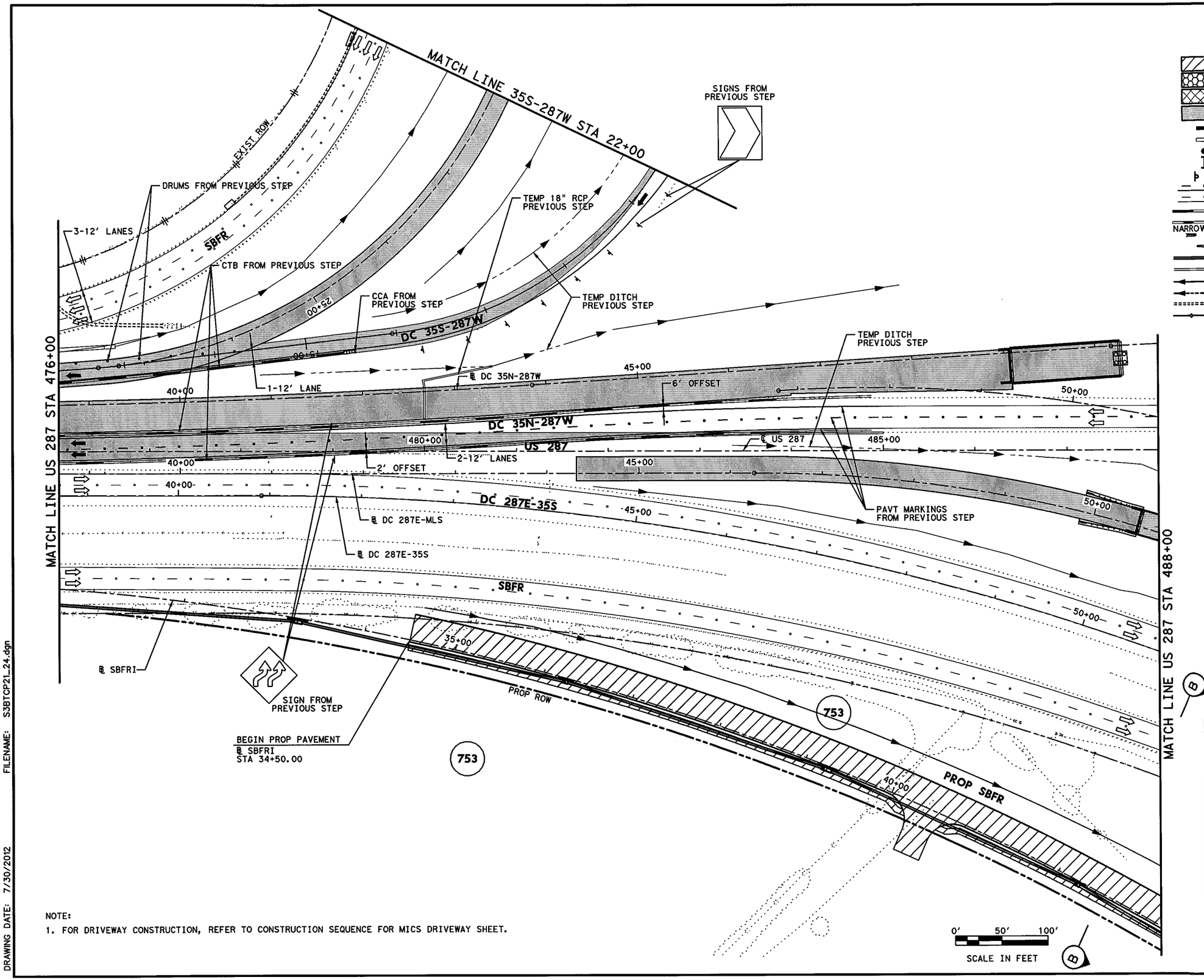
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100' SHEET 23 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 350 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP21_23.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:
1. FOR DRIVEWAY CONSTRUCTION, REFER TO CONSTRUCTION SEQUENCE FOR MICS DRIVEWAY SHEET.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

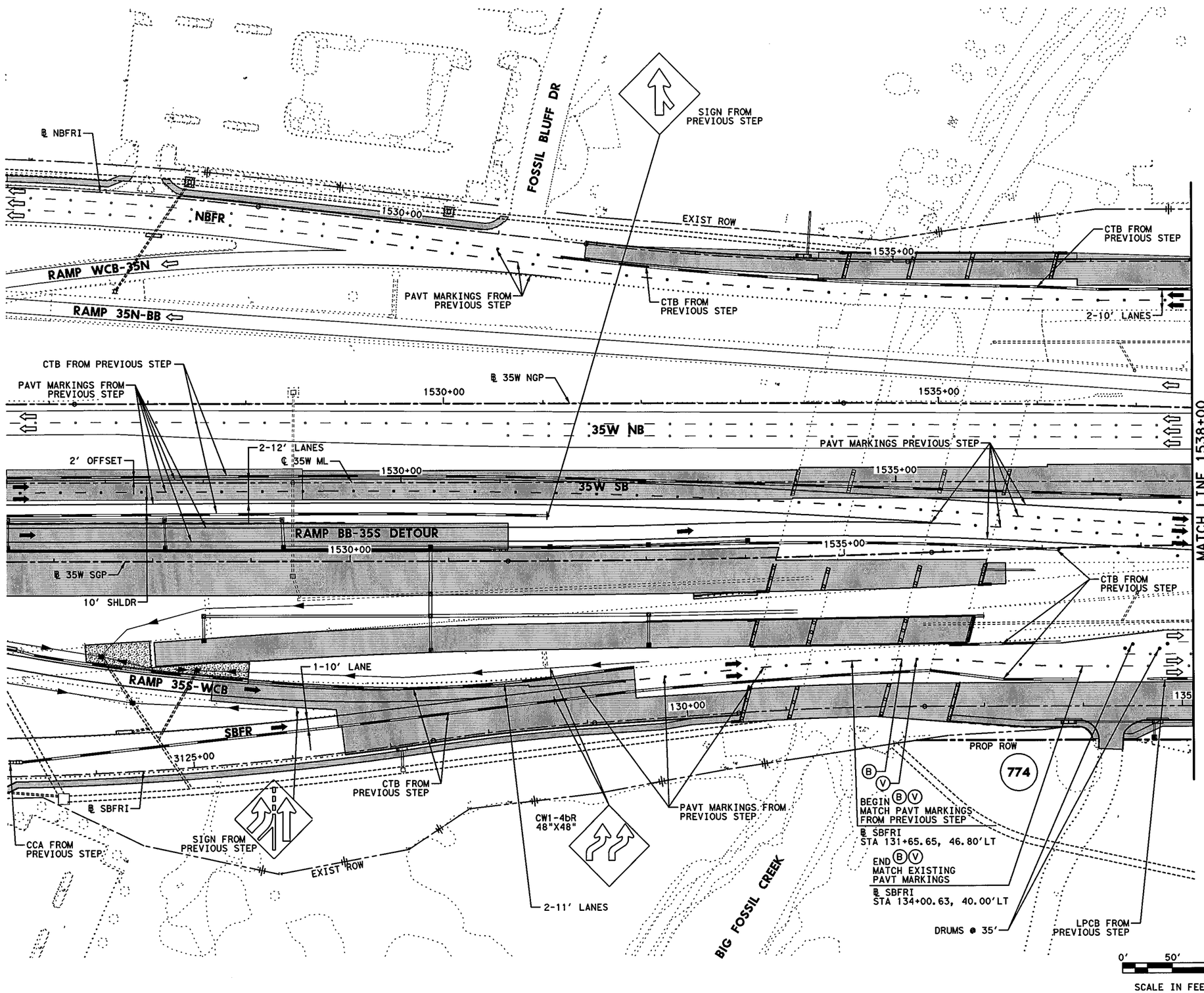
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1**

SCALE 1" = 100' SHEET 24 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 351 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21_24.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

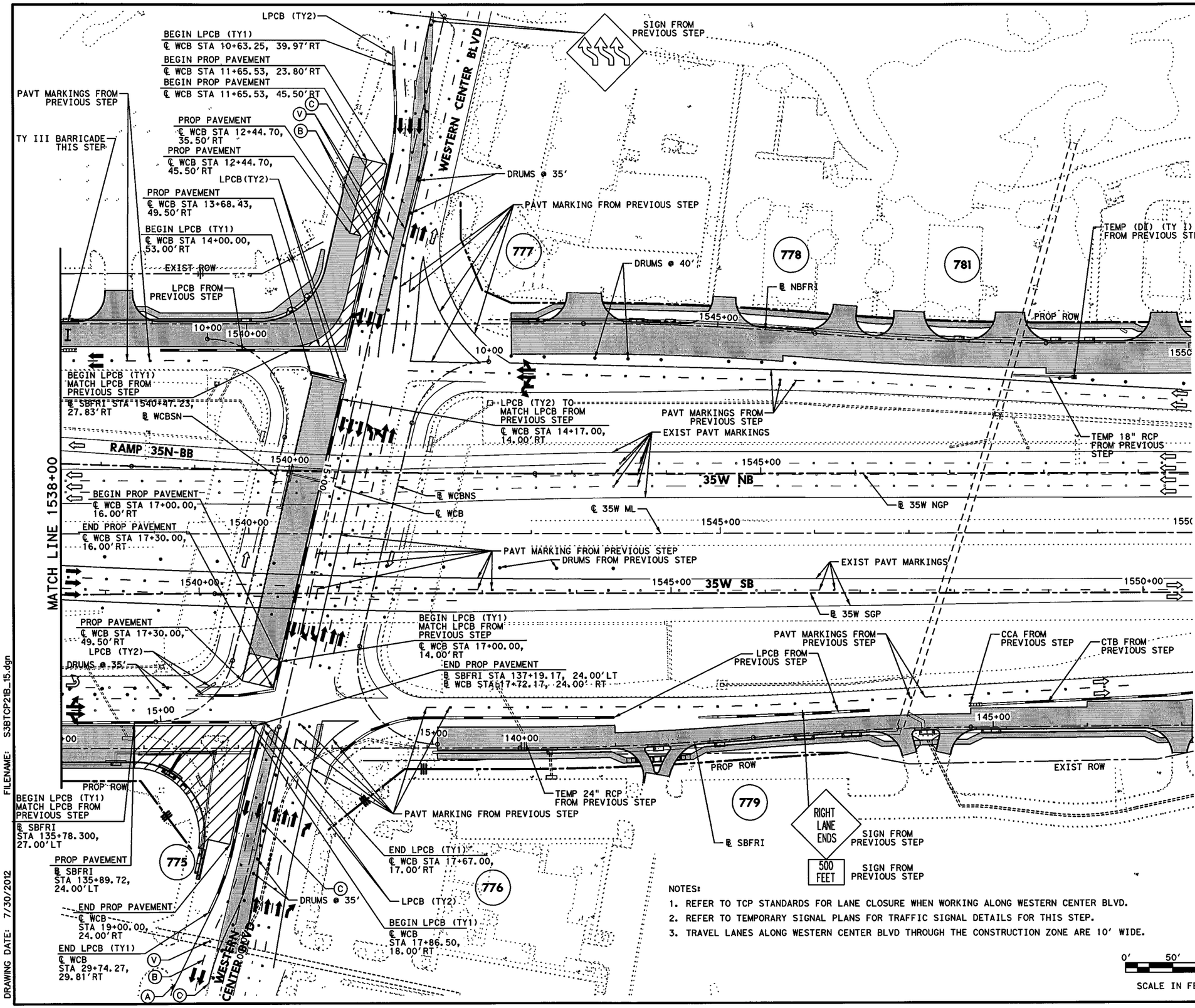
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 1B

SCALE 1" = 100' — SHEET 1 OF 2

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 352 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCP21B_14.dgn




NOTES:

1. REFER TO TCP STANDARDS FOR LANE CLOSURE WHEN WORKING ALONG WESTERN CENTER BLVD.
2. REFER TO TEMPORARY SIGNAL PLANS FOR TRAFFIC SIGNAL DETAILS FOR THIS STEP.
3. TRAVEL LANES ALONG WESTERN CENTER BLVD THROUGH THE CONSTRUCTION ZONE ARE 10' WIDE.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

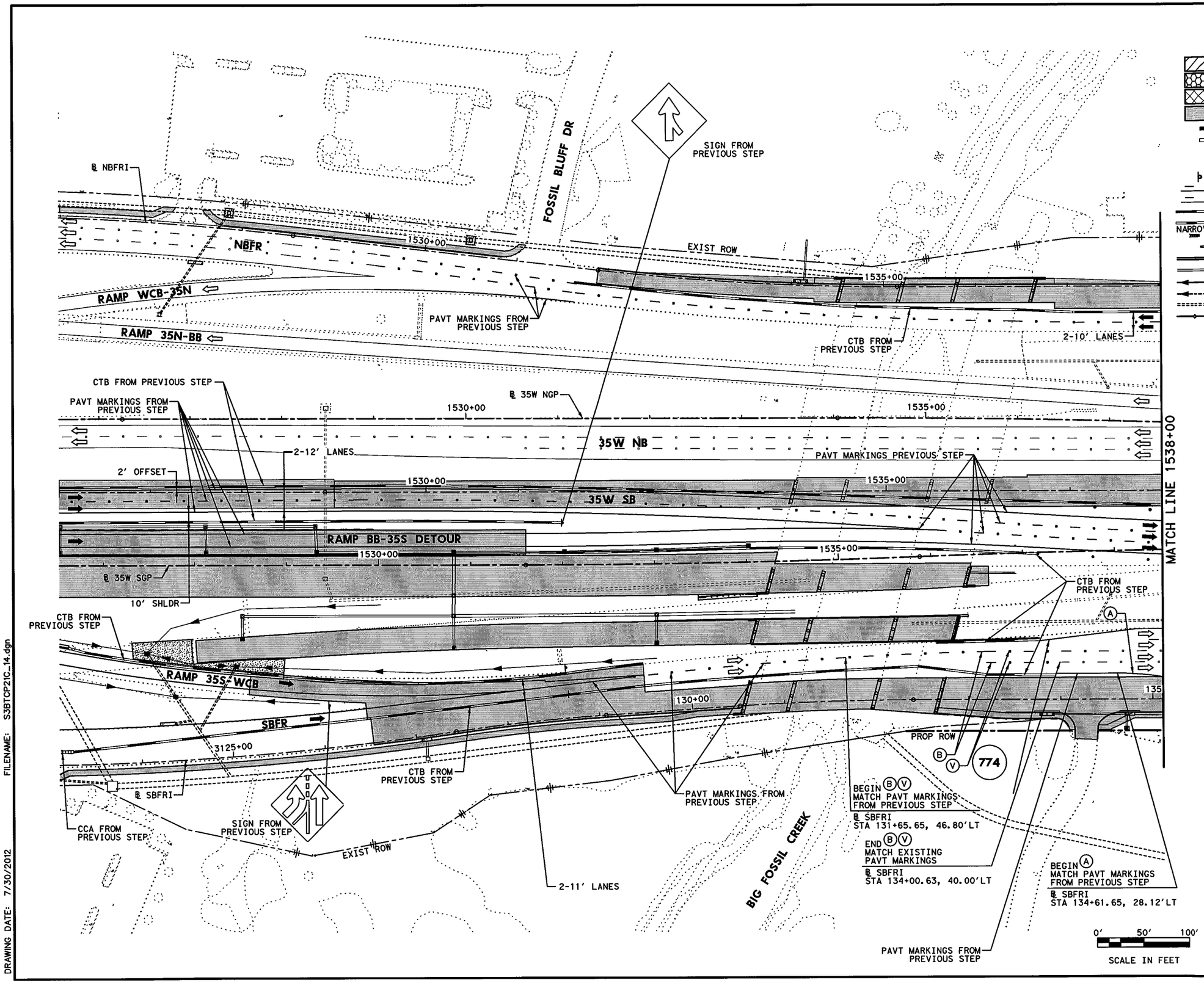
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1B**

SCALE 1" = 100' SHEET 2 OF 2

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 353 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21B_15.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

- (A) WK ZN PAV MRK REMOV (W) 4" (SLD)
- (B) WK ZN PAV MRK REMOV (W) 4" (BRK)
- (C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
- (G) WK ZN PAV MRK REMOV (W) 8" (SLD)
- (H) WK ZN PAV MRK REMOV (W) 12" (SLD)
- (I) WK ZN PAV MRK REMOV (W) 24" (SLD)
- (M) WK ZN PAV MRK REMOV (W)(ARROW)
- (N) WK ZN PAV MRK REMOV (W)(WORD)
- (O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
- (P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
- (S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
- (T) WK ZN PAV MRK REMOV (W) 4" (DOT)
- (U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
- (V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 1C

SCALE 1" = 100'

SHEET 1 OF 2

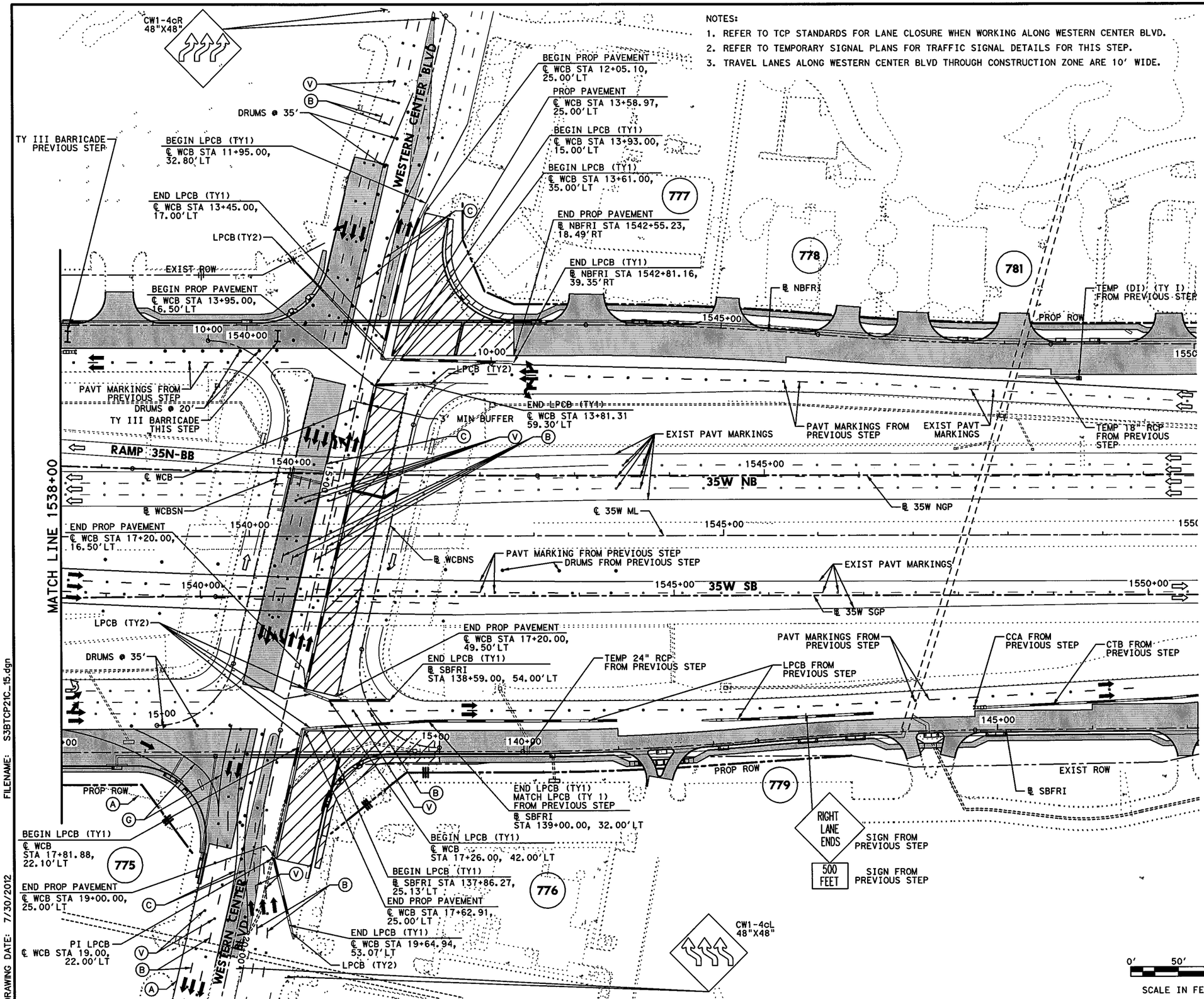
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 354 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP21C_14.dgn

DRAWING DATE: 7/30/2012

NOTES:

1. REFER TO TCP STANDARDS FOR LANE CLOSURE WHEN WORKING ALONG WESTERN CENTER BLVD.
2. REFER TO TEMPORARY SIGNAL PLANS FOR TRAFFIC SIGNAL DETAILS FOR THIS STEP.
3. TRAVEL LANES ALONG WESTERN CENTER BLVD THROUGH CONSTRUCTION ZONE ARE 10' WIDE.




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

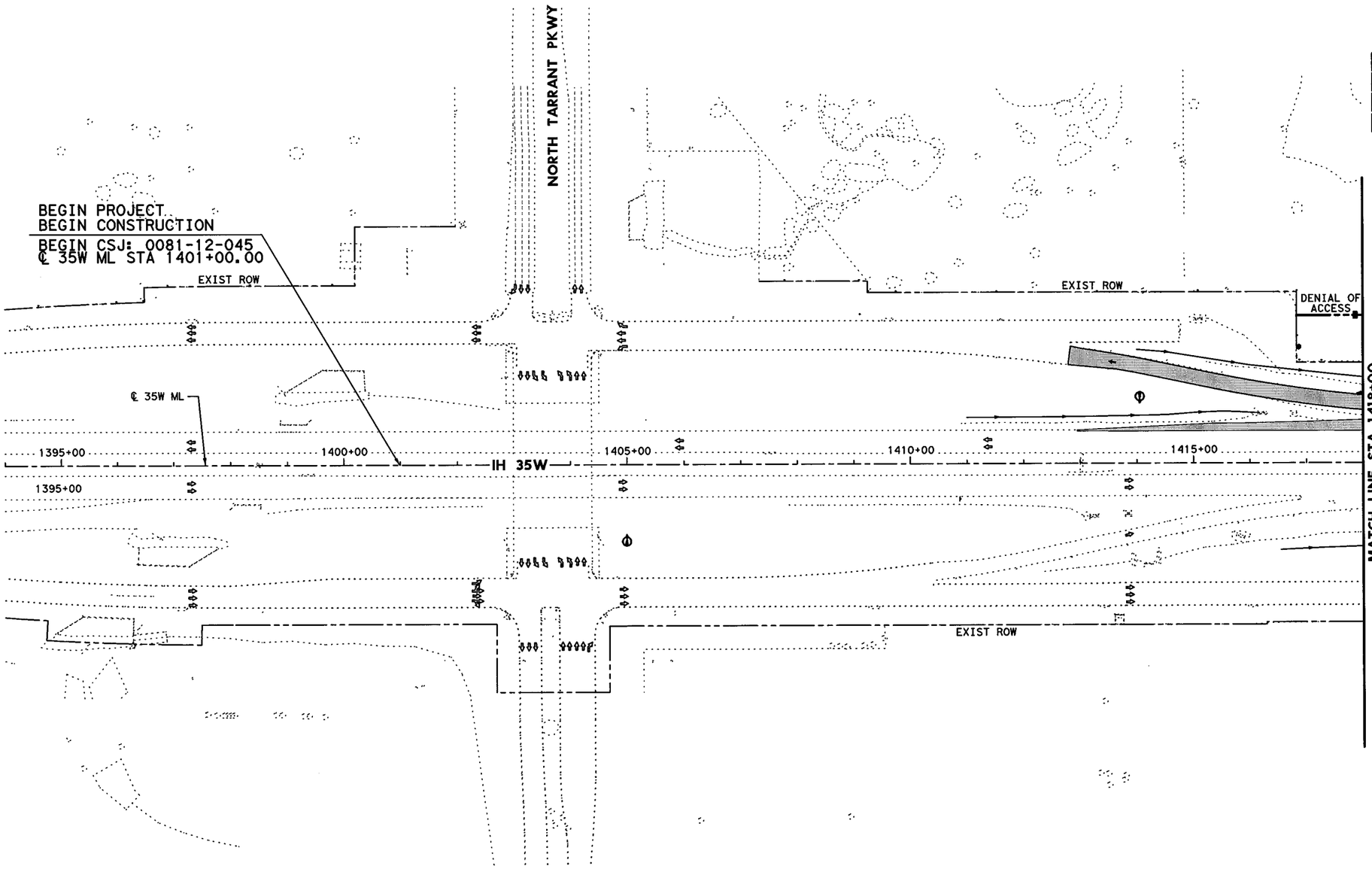
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 1C**

SCALE 1" = 100' SHEET 2 OF 2

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 355 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP21C_15.dgn
DRAWING DATE: 7/30/2012




0' 50' 100' 200'

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 2 STEP 2
## BEGIN PROJECT TO STA 1418+00

SCALE: 1" = 200'

SHEET 1 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 356 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL22_01.dgn

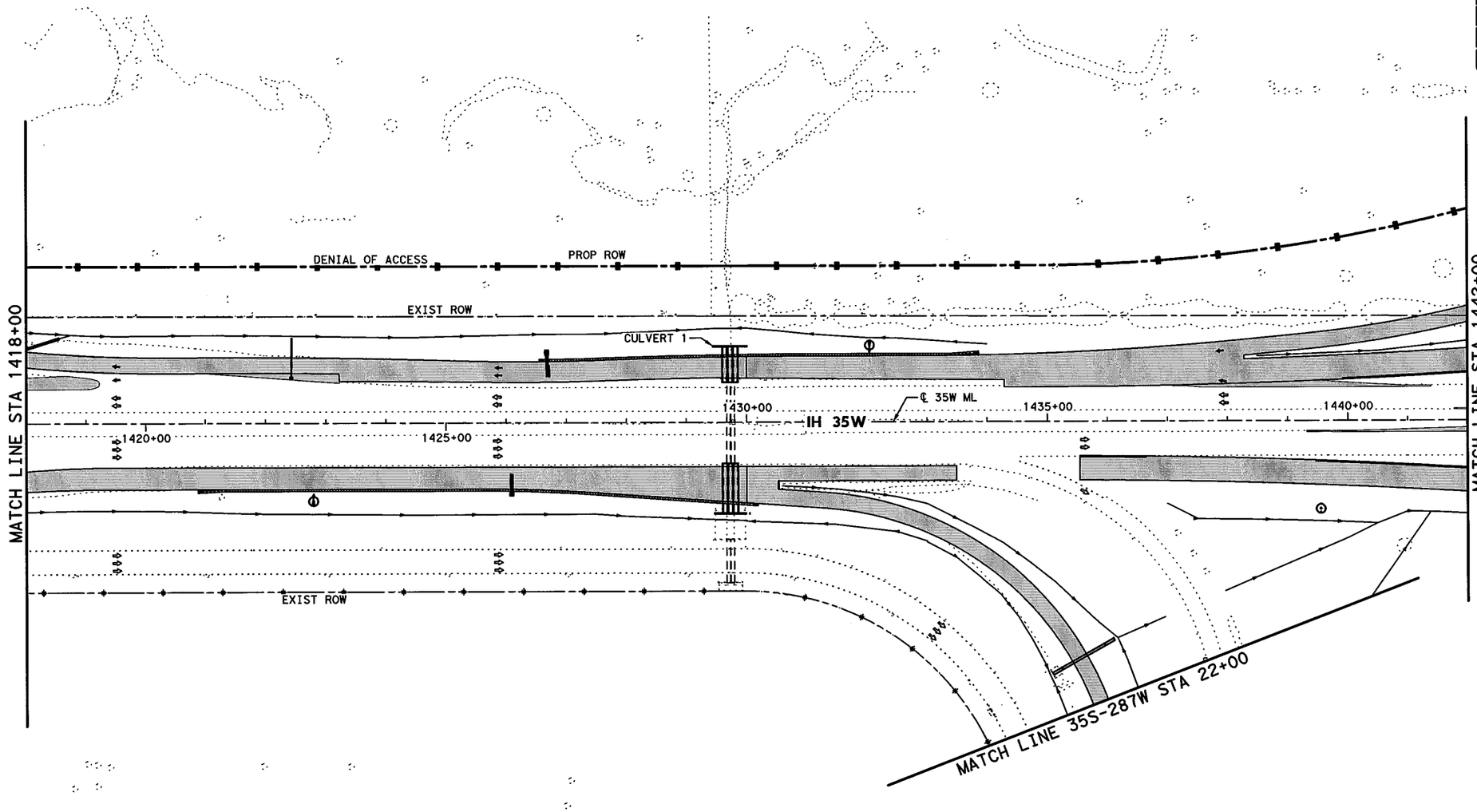
DRAWING DATE: 7/29/2012

0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC




STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 2 STEP 2**

**STA 1418+00 TO STA 1442+00**

SCALE: 1" = 200'

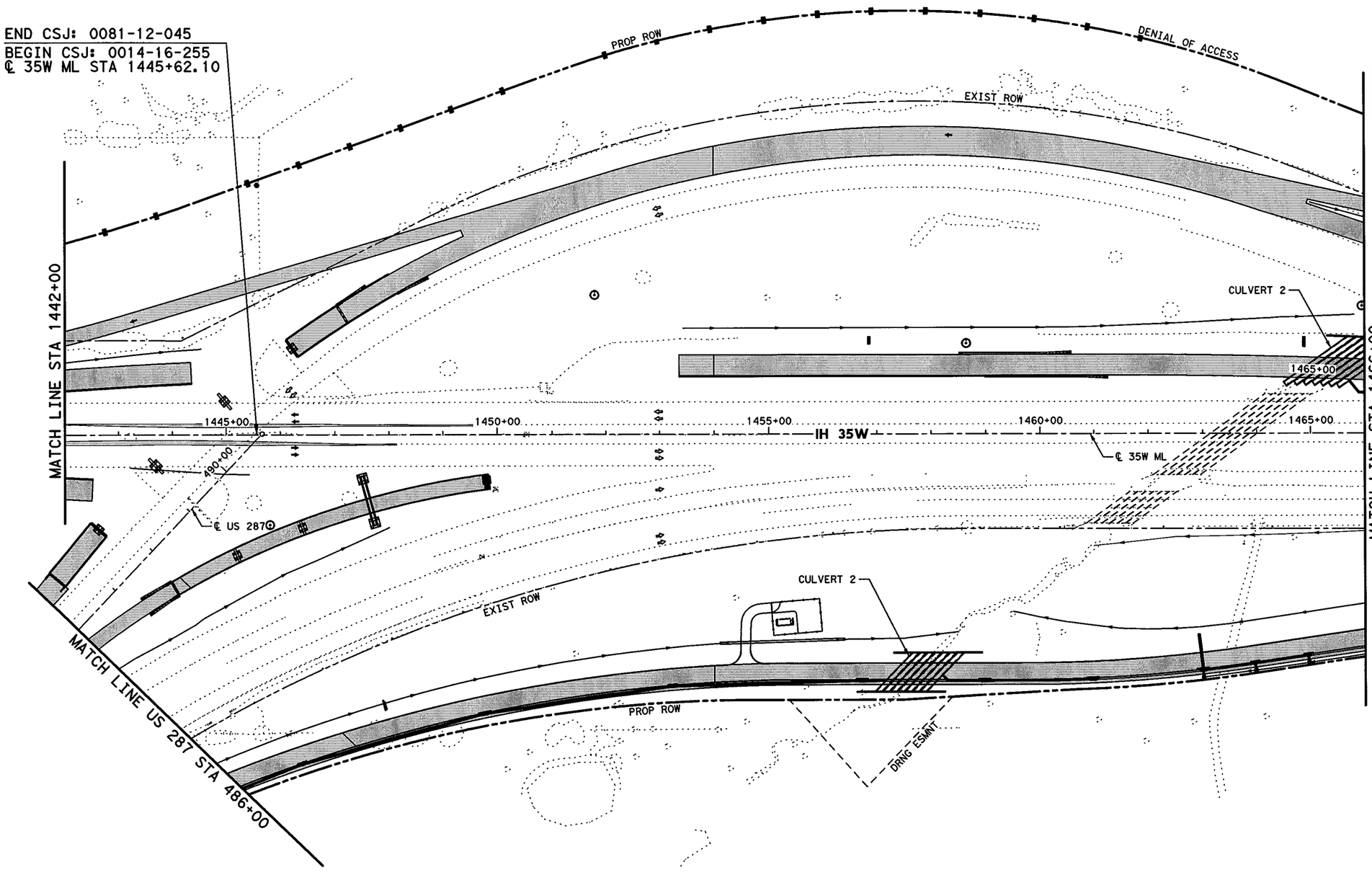
SHEET 2 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 357 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL22_02.dgn

DRAWING DATE: 7/29/2012

END CSJ: 0081-12-045
BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




0' 50' 100' 200'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

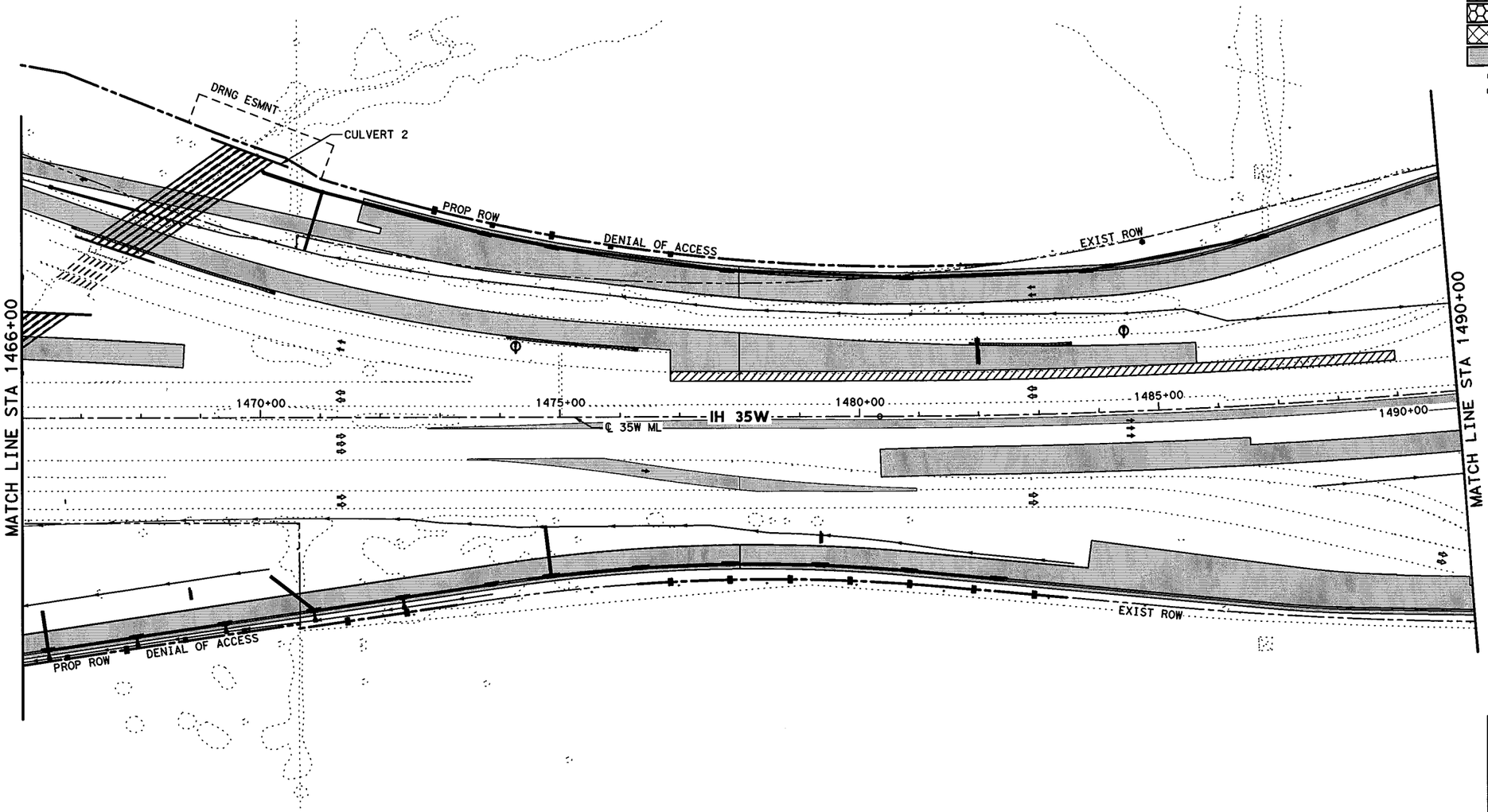
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**
**PHASE 2 STEP 2**
**STA 1442+00 TO STA 1466+00**

SCALE: 1" = 200'
SHEET 3 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 358 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL22_03.dgn
DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED PROFESSIONAL ENGINEER
7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 2 STEP 2

## STA 1466+00 TO STA 1490+00

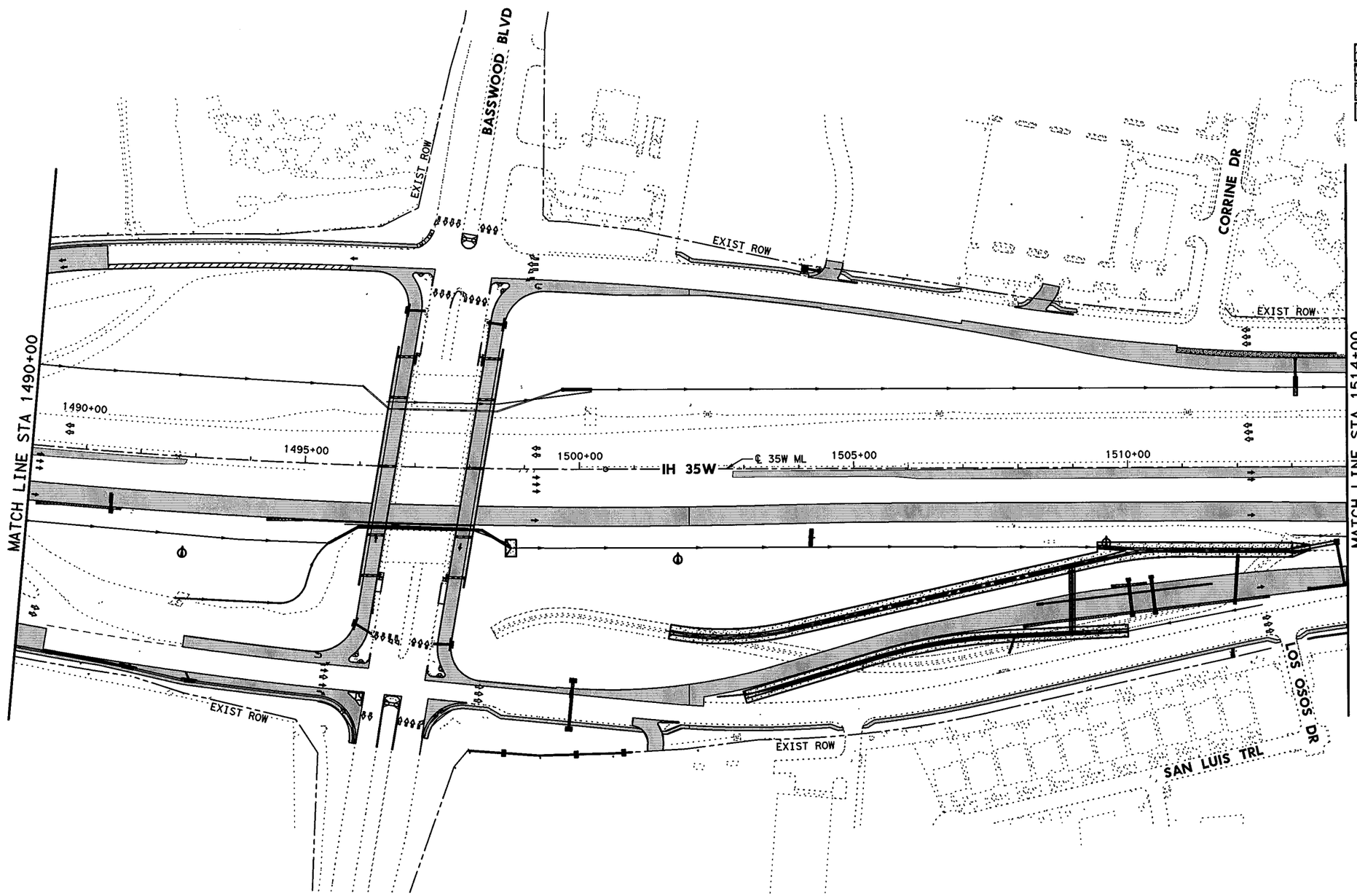
SCALE: 1" = 200'

SHEET 4 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 359 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL22_04.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 2 STEP 2

## STA 1490+00 TO STA 1514+00

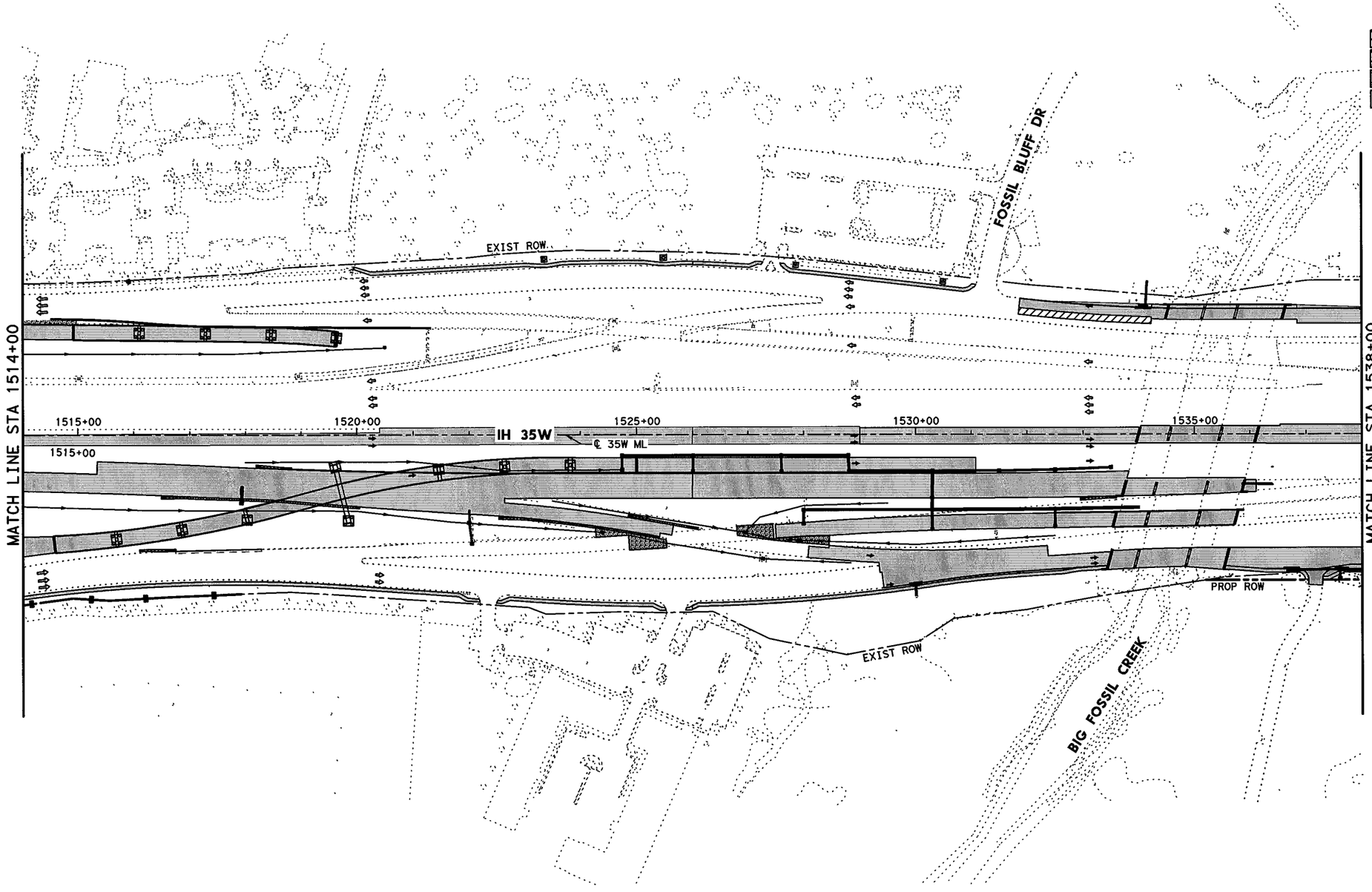
SCALE: 1" = 200'

SHEET 5 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 360 |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL22_05.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

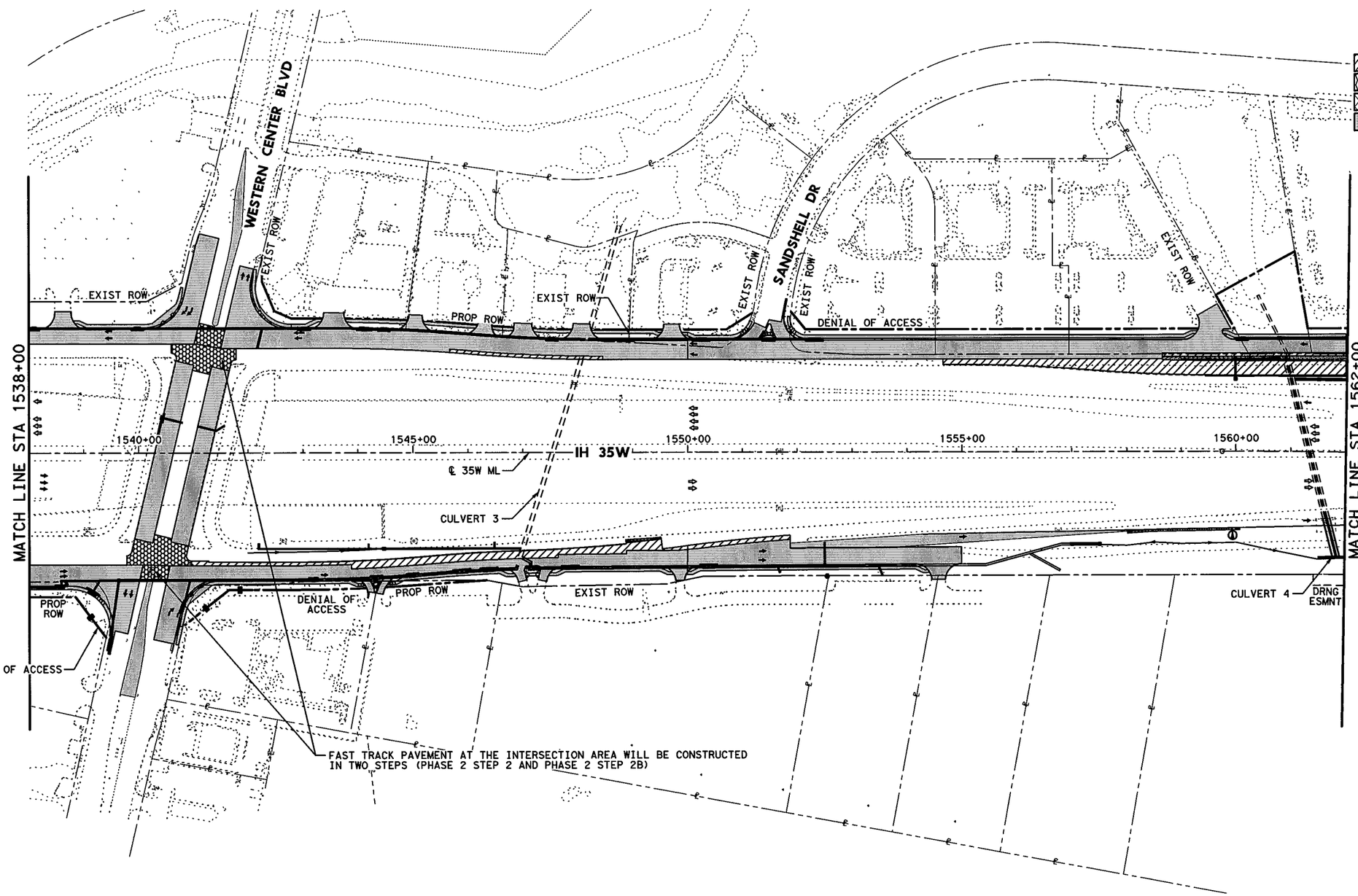
# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 2 STEP 2
## STA 1514+00 TO STA 1538+00

SCALE: 1" = 200' SHEET 6 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 361 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL22_06.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 2 STEP 2**

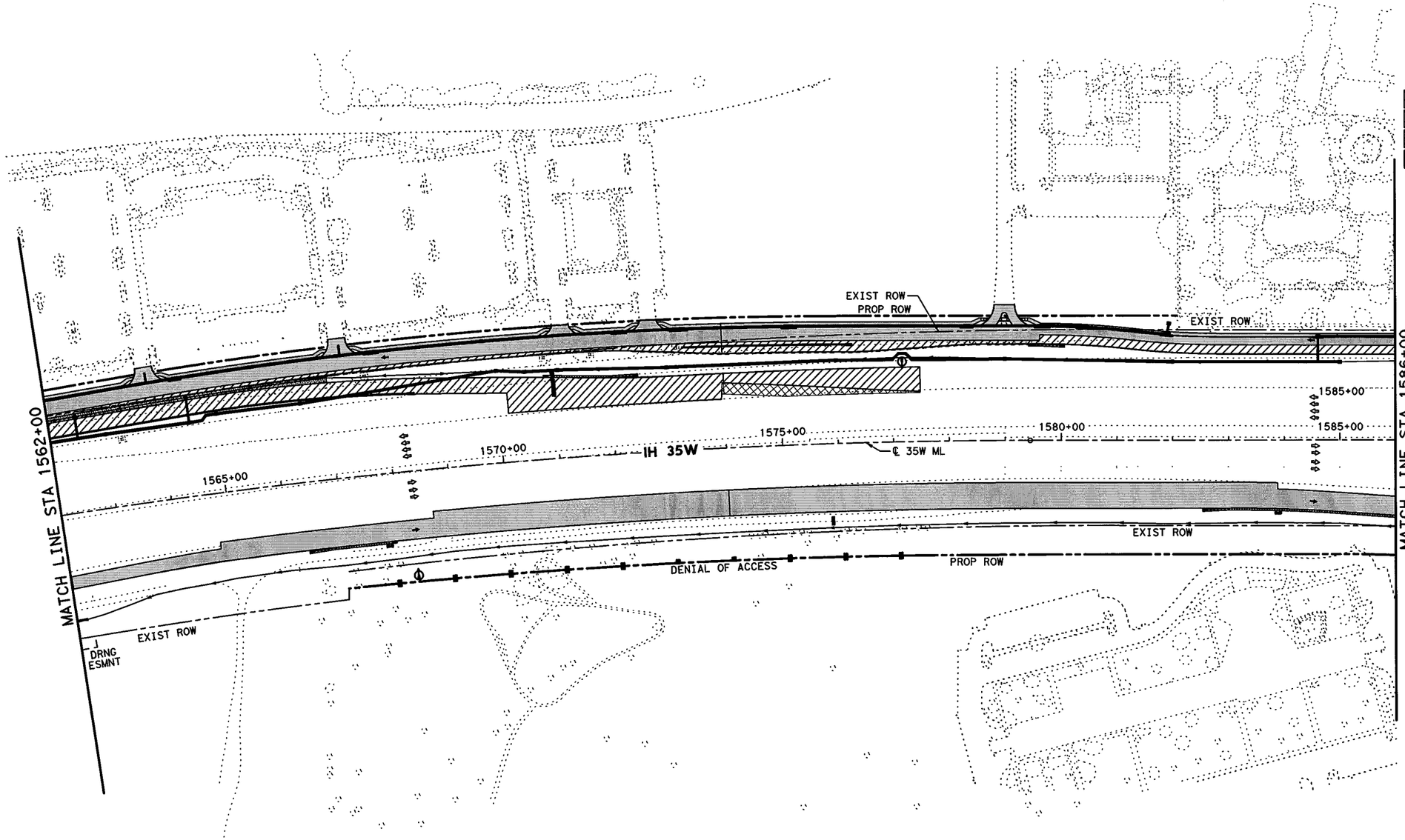
**STA 1538+00 TO STA 1562+00**

SCALE: 1" = 200' SHEET 7 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 362 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL22_07.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 2 STEP 2

## STA 1562+00 TO STA 1586+00

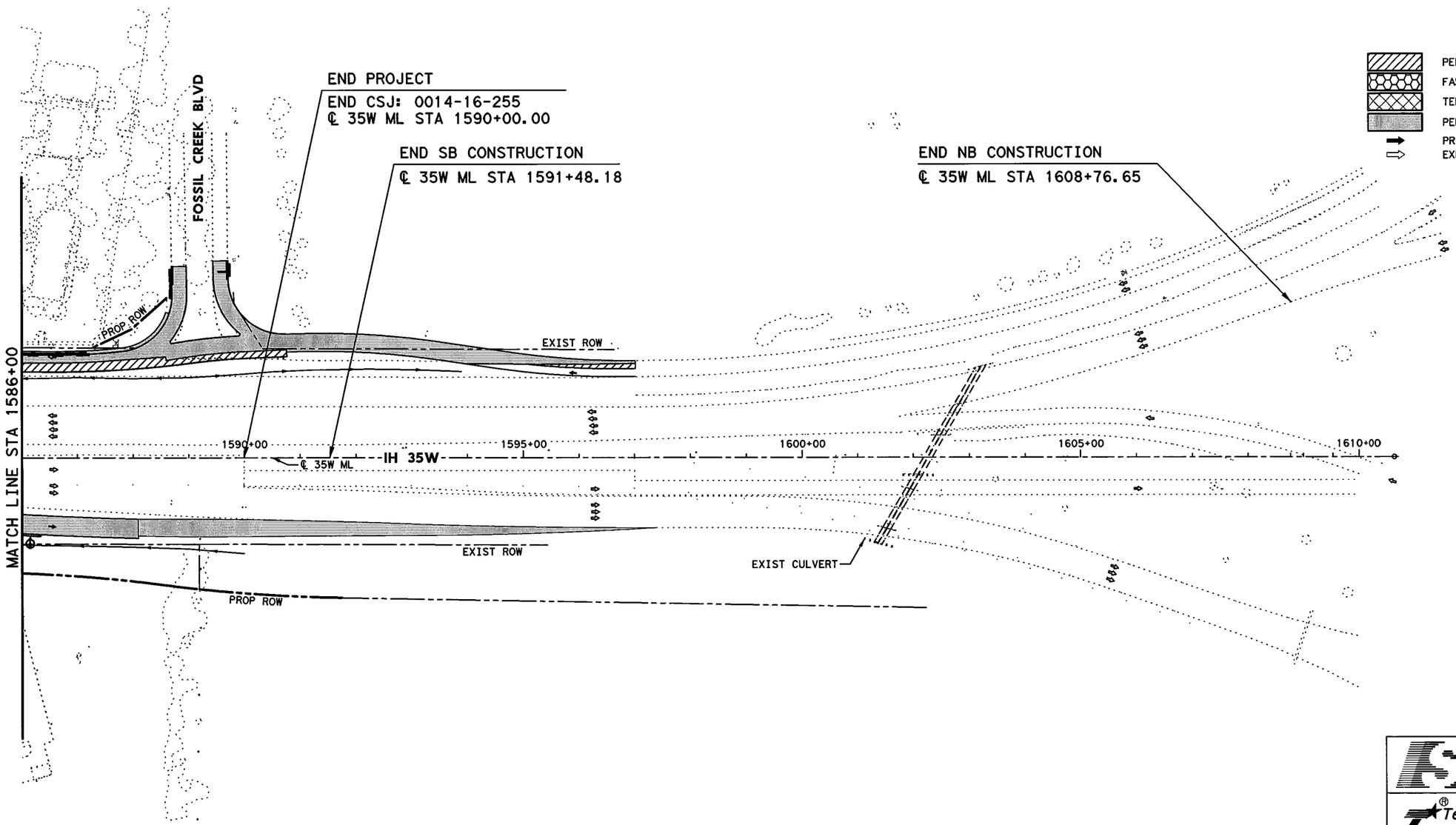
SCALE: 1" = 200'

SHEET 8 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 363 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL22_08.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 2 STEP 2
## STA 1586+00 TO END PROJECT

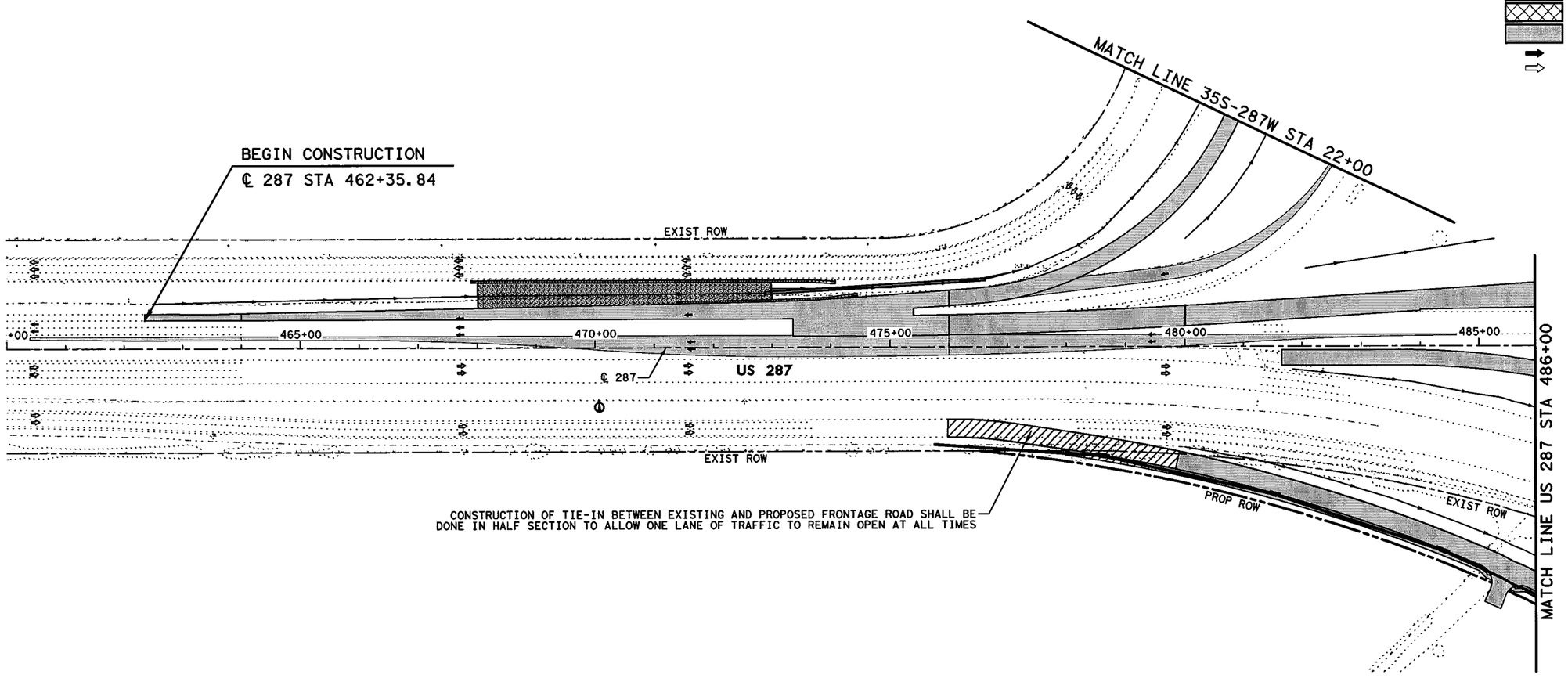
SCALE: 1" = 200'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 364 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL22_09.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 2 STEP 2**

**STA 460+00 TO STA 486+00**

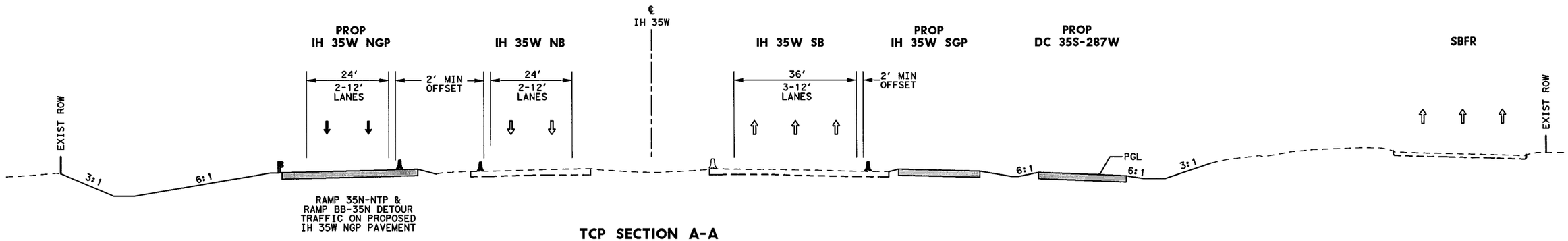
SCALE: 1" = 200'

SHEET 10 OF 10

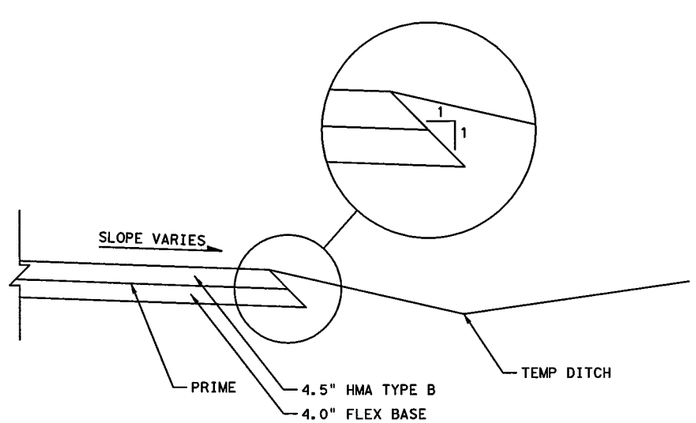
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 365 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL22_10.dgn

DRAWING DATE: 7/29/2012




**TCP SECTION A-A**
**STA 1431+00**




**DETOUR & TEMP WIDENING**
**TYPICAL SECTION**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

2/30/12

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

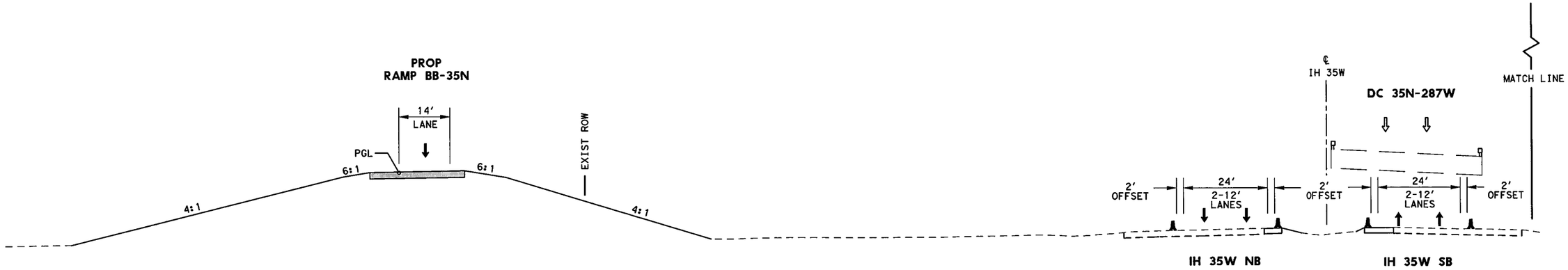
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 2 STEP 2**

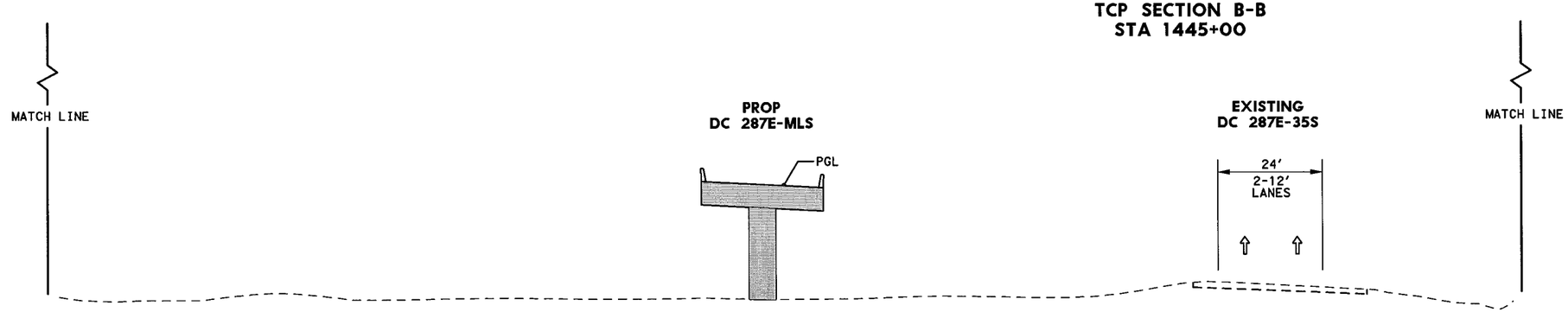
SCALE: NTS — SHEET 1 OF 4

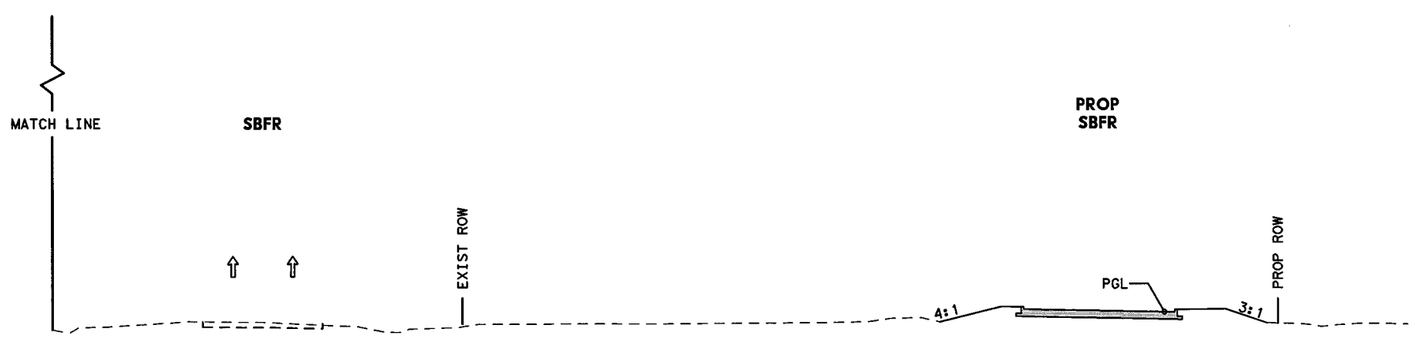
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 366 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCT22_01.dgn
DRAWING DATE: 7/29/2012




## TCP SECTION B-B
## STA 1445+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

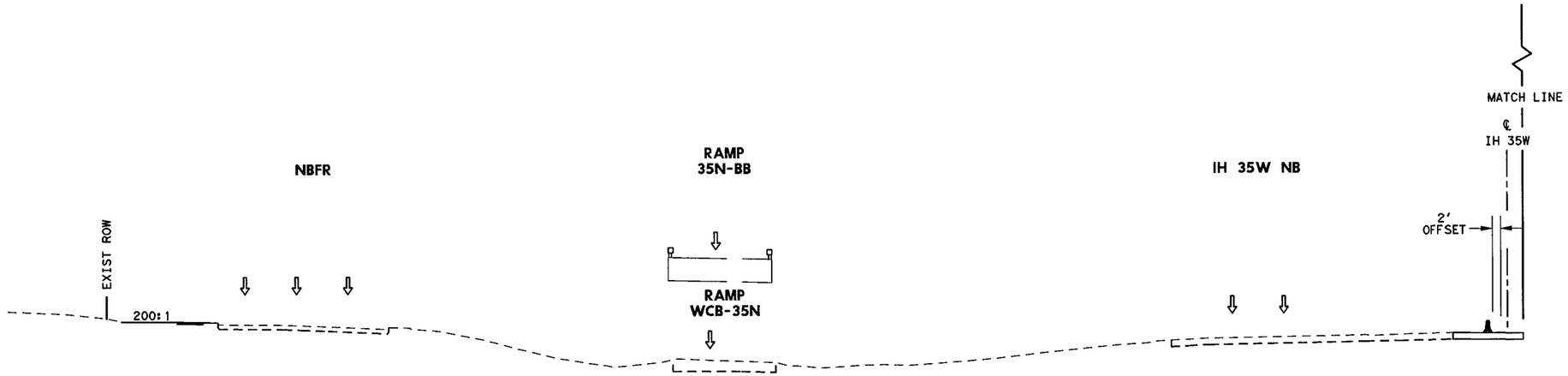
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 2 STEP 2**

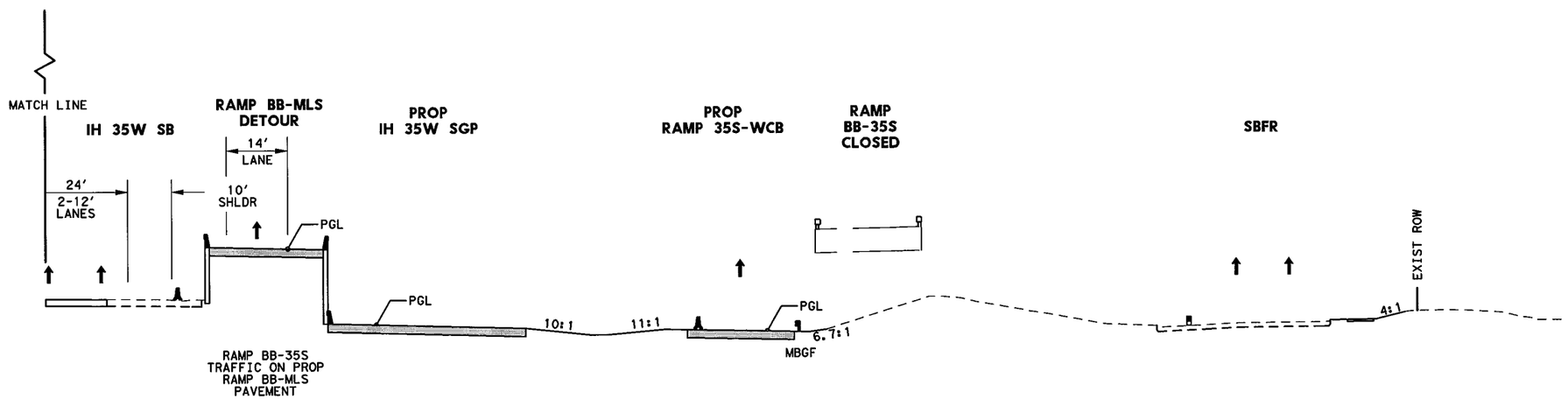
SCALE: NTS — SHEET 2 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 367 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT22_02.dgn
DRAWING DATE: 7/29/2012




TCP SECTION C-C
STA 1525+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

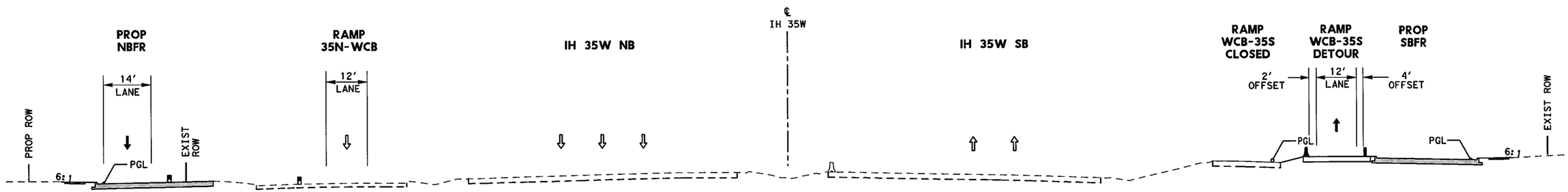
IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 2 STEP 2

SCALE: NTS
SHEET 3 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 368 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT22_03.dgn
DRAWING DATE: 7/29/2012




**TCP SECTION D-D**
**STA 1554+00**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

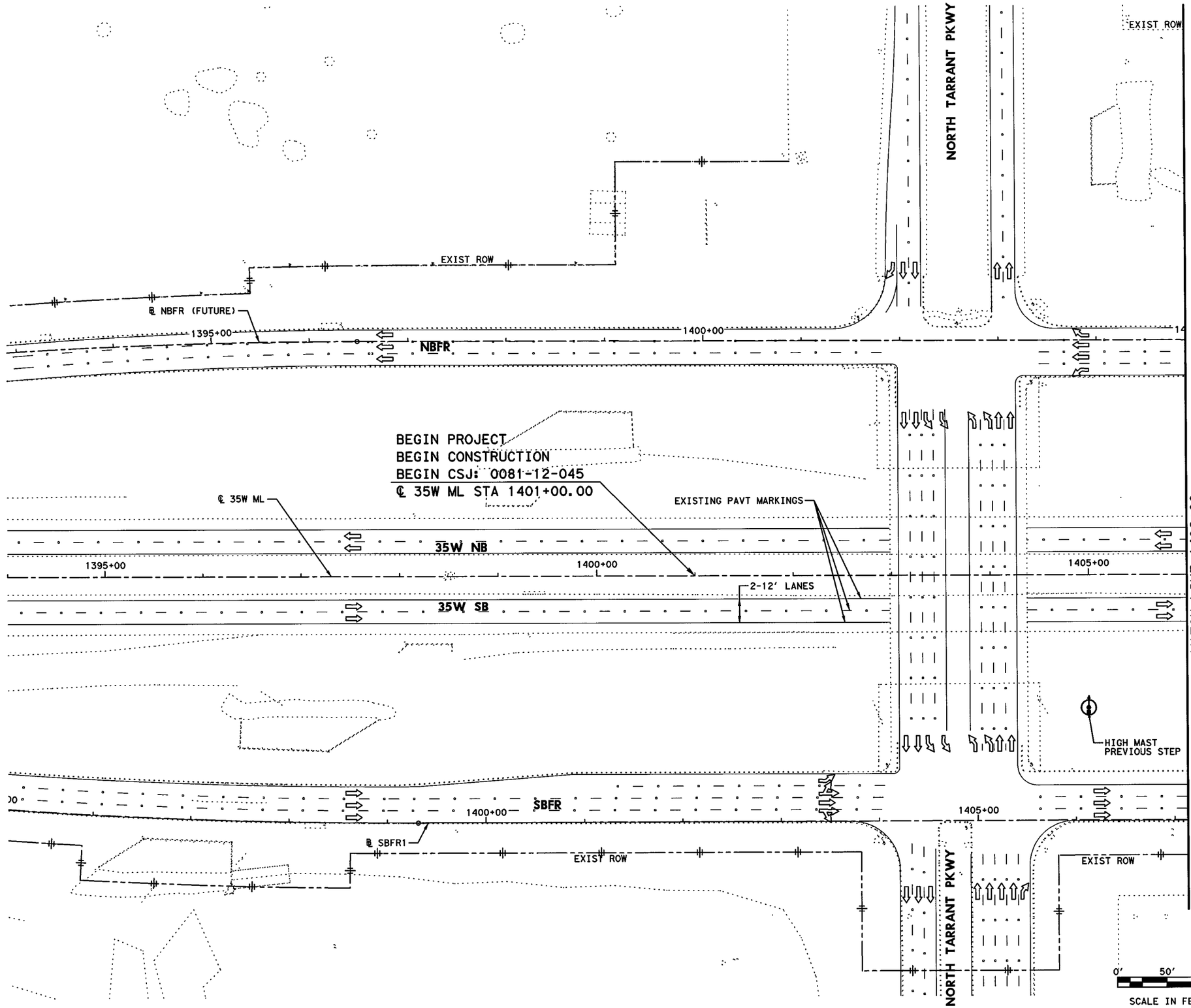
**TCP SECTION**
**PHASE 2 STEP 2**

SCALE: NTS

SHEET 4 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 369 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCT22_04.dgn
DRAWING DATE: 7/29/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

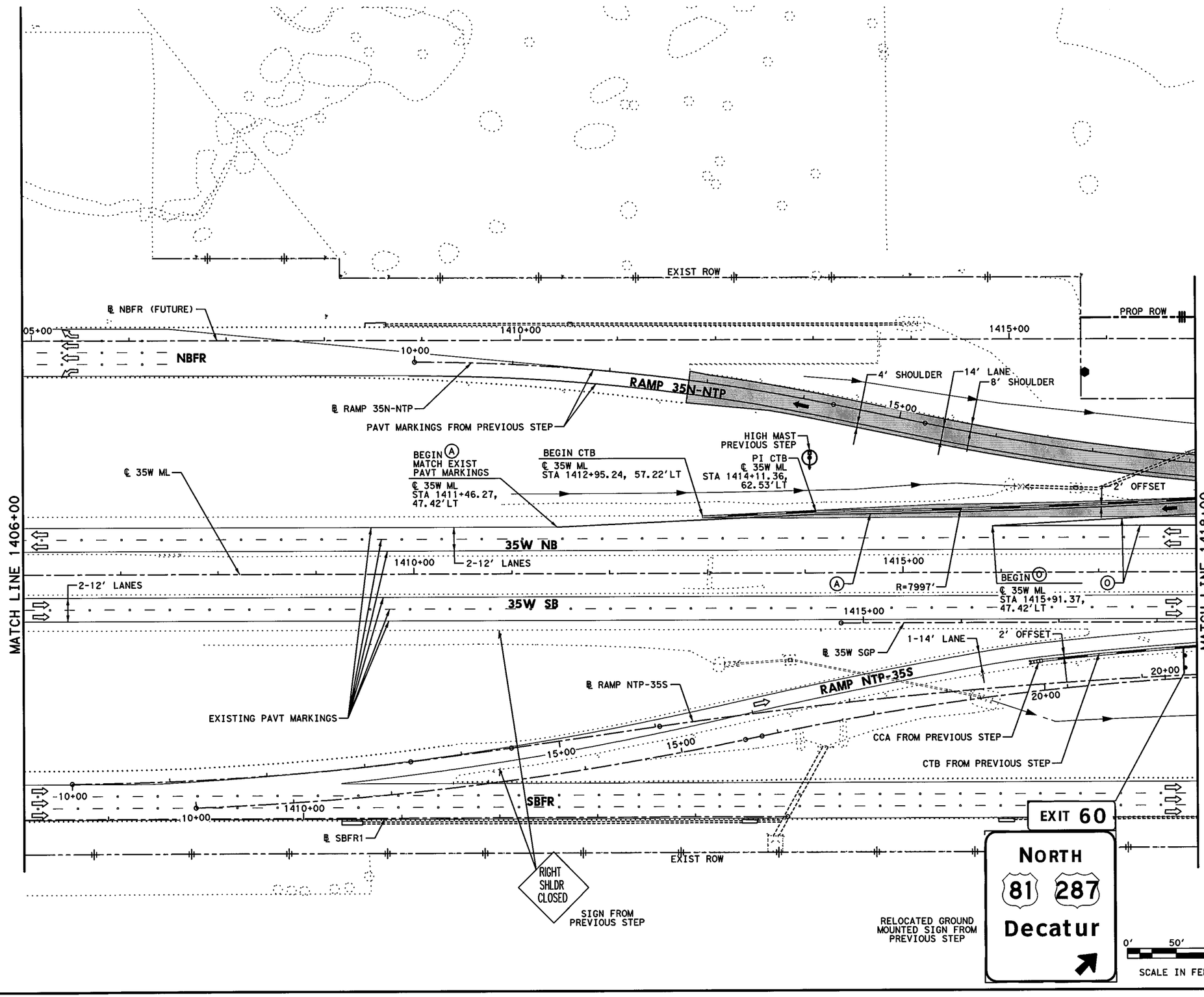
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 1 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 370 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP22_01.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

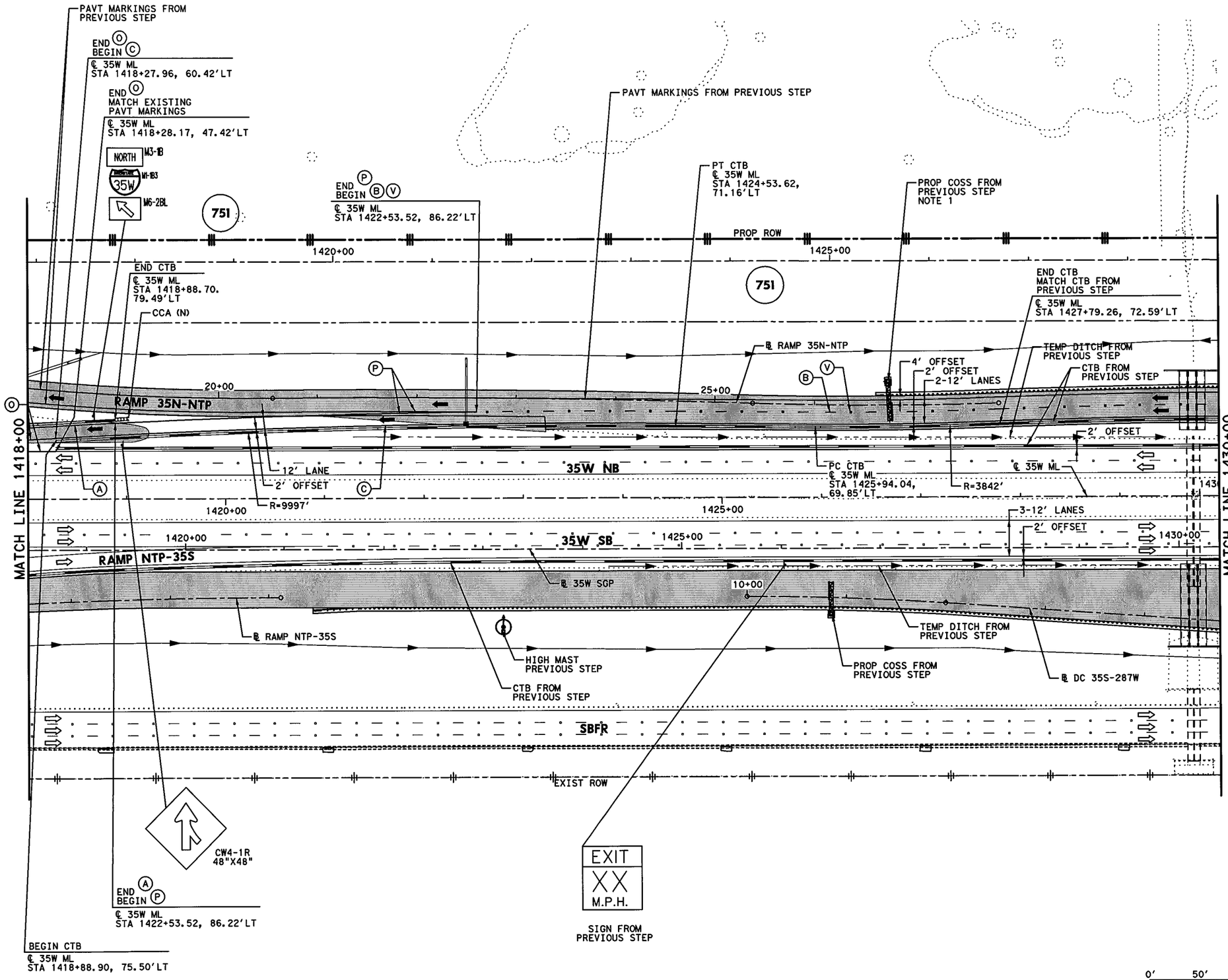
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 2 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 371 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP22_02.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. PROPOSED GUIDE SIGN ON COSS AVAILABLE TO DIRECT TRAFFIC TO NORTH TARRANT PKWY. SEE SIGN LAYOUT SHEETS.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

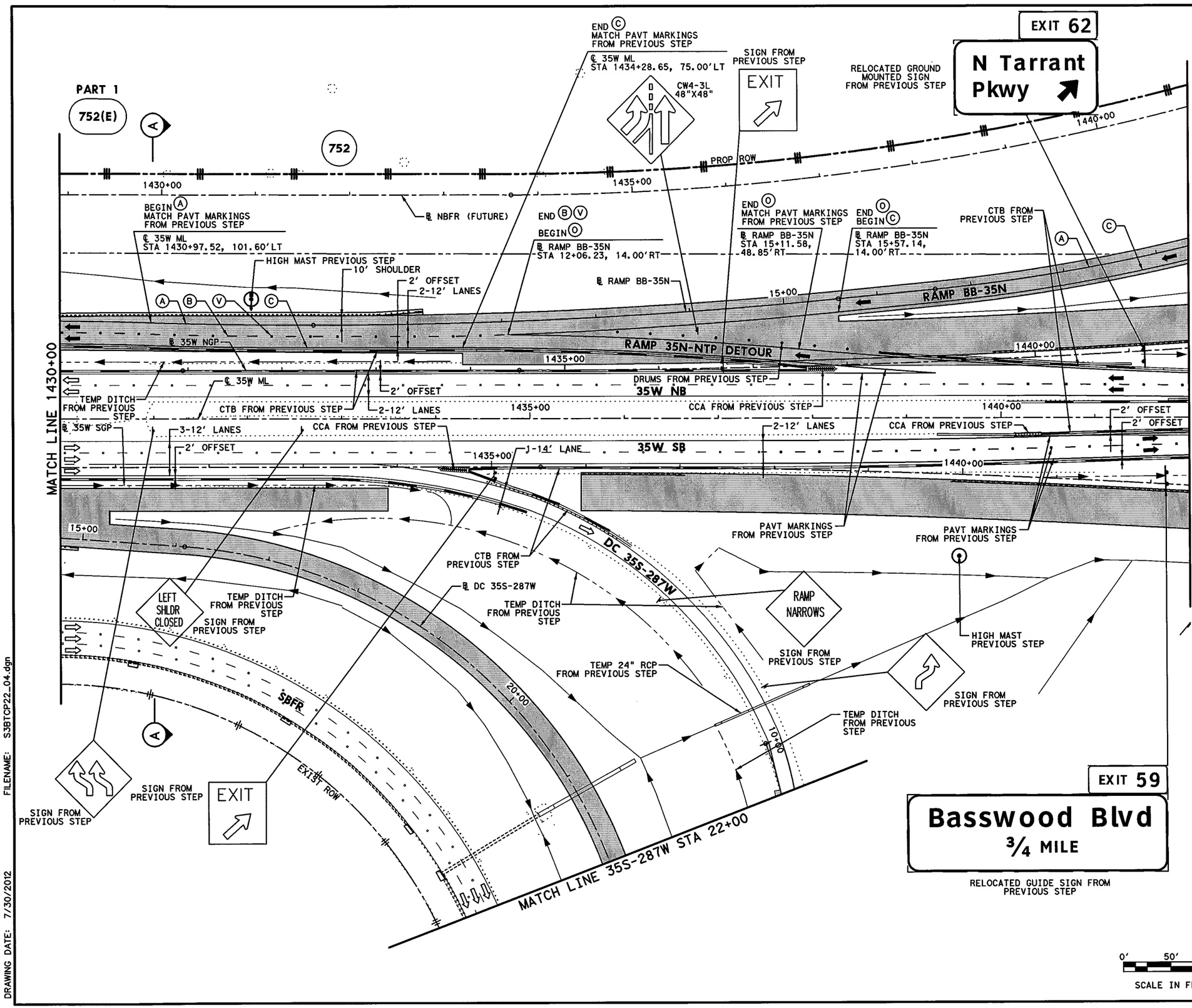
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 3 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 372 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP22_03.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

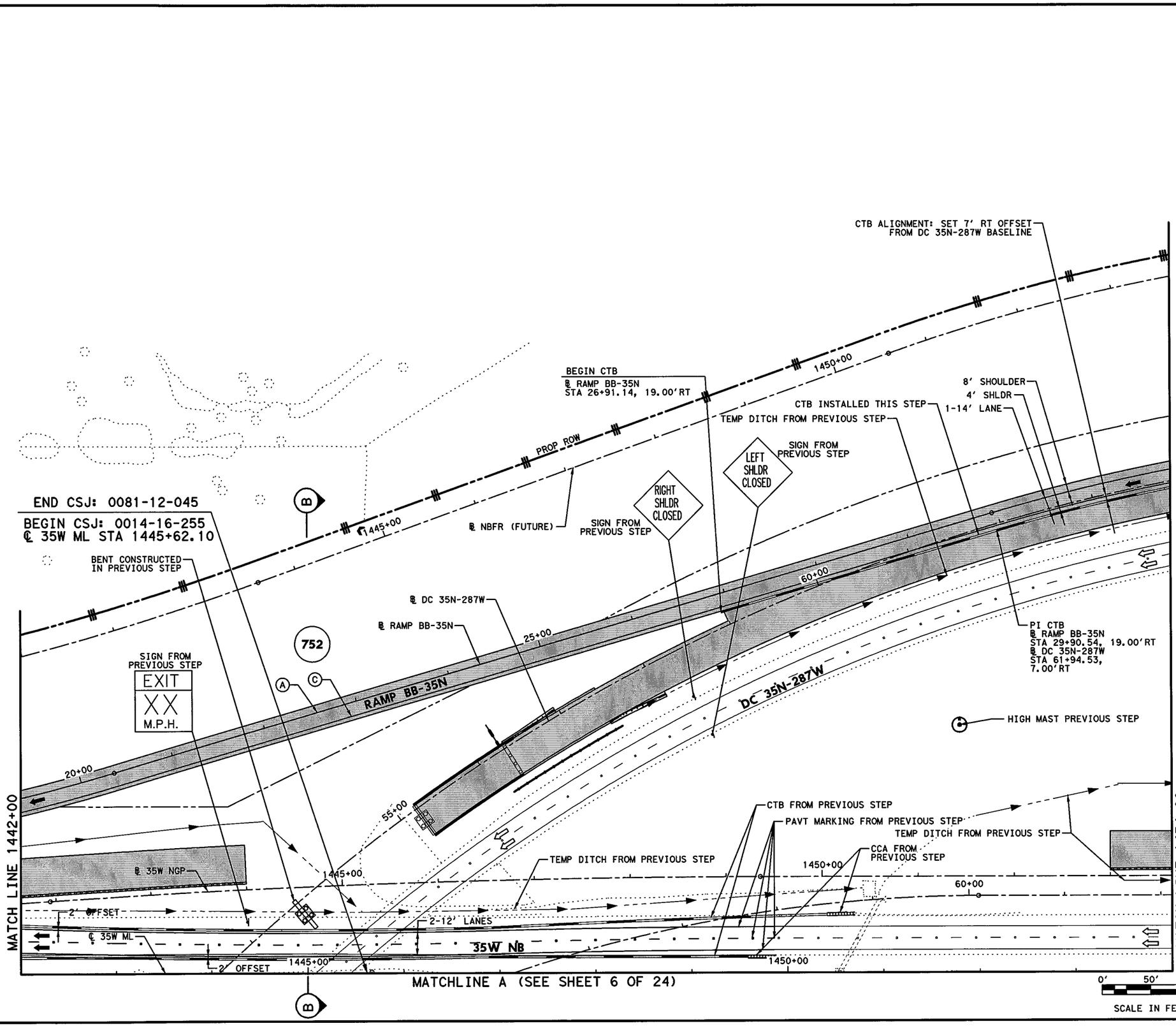
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 4 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 373 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP22_04.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 5 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 374 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP22_05.dgn
DRAWING DATE: 7/30/2012

END CSJ: 0081-12-045

BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10

PAVT MARKING FROM PREVIOUS STEP

CTB FROM PREVIOUS STEP

2' OFFSET

BENT CONSTRUCTED IN PREVIOUS STEP

MATCHLINE A (SEE SHEET 5 OF 24)

2-12' LANES

35W SB

℄ 35W ML

55+00

2' OFFSET

1445+00

490+00

TEMP DITCH FROM PREVIOUS STEP

1450+00

60+00

℄ 35W SGP

55+00

DC 35N-287W

HIGH MAST PREVIOUS STEP

℄ DC 287E-MLS

℄ DC MLN-287W

55+00

℄ DC 287E-35S

DC 287E-35S

SBFR

SIGN FROM PREVIOUS STEP

MATCH LINE US 287 STA 488+00

754

PROP GROUND MOUNTED GUIDE SIGN FROM PREVIOUS STEP

PROP SBFR

45+00

PROP ROW

℄ SBFRI

MATCH LINE 1442+00

MATCH LINE 1454+00

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 2

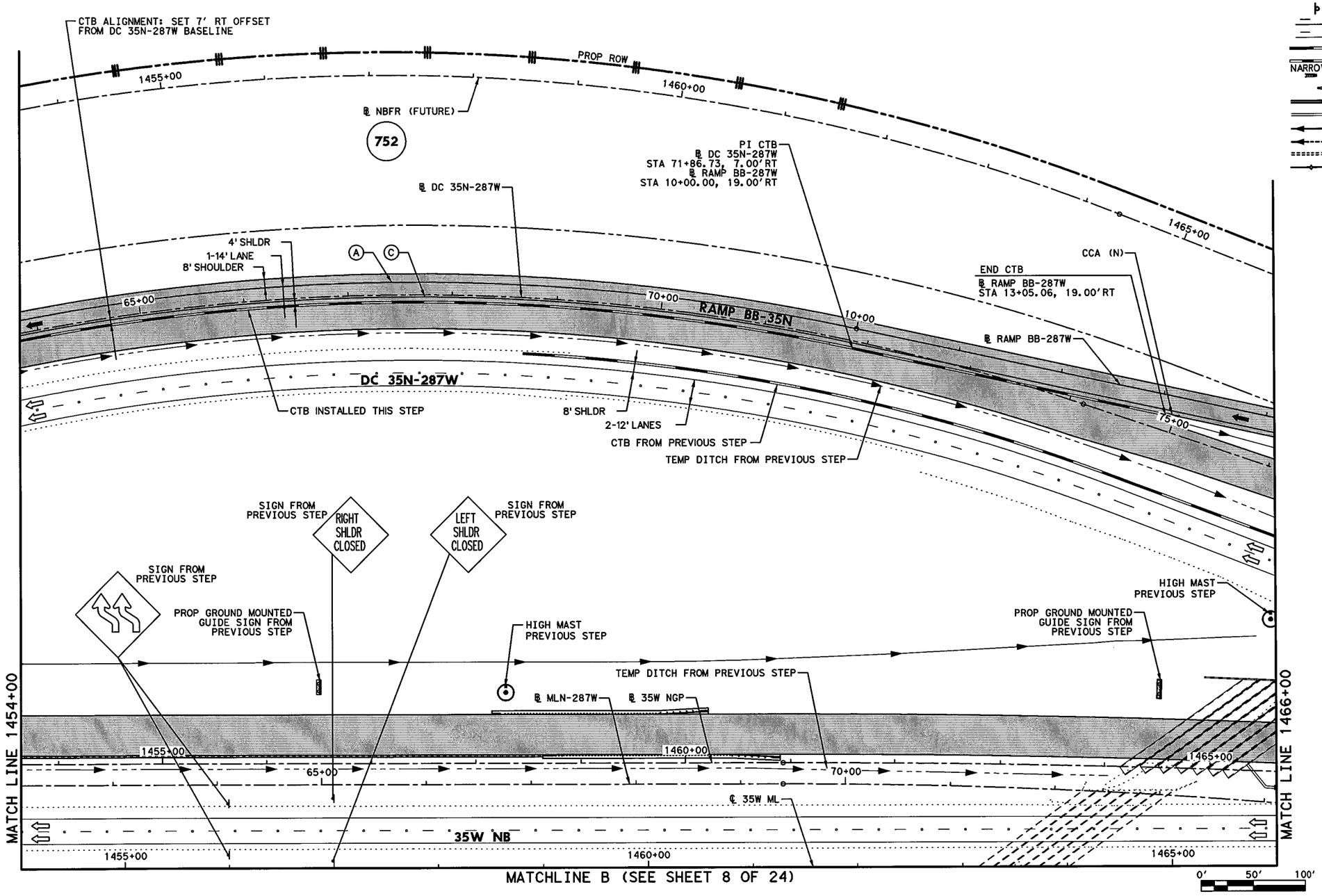
SCALE 1" = 100'

SHEET 6 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 375 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP22_06.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

- (A) WK ZN PAV MRK REMOV (W) 4" (SLD)
- (B) WK ZN PAV MRK REMOV (W) 4" (BRK)
- (C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
- (G) WK ZN PAV MRK REMOV (W) 8" (SLD)
- (H) WK ZN PAV MRK REMOV (W) 12" (SLD)
- (I) WK ZN PAV MRK REMOV (W) 24" (SLD)
- (M) WK ZN PAV MRK REMOV (W)(ARROW)
- (N) WK ZN PAV MRK REMOV (W)(WORD)
- (O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
- (P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
- (S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
- (T) WK ZN PAV MRK REMOV (W) 4" (DOT)
- (U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
- (V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100'

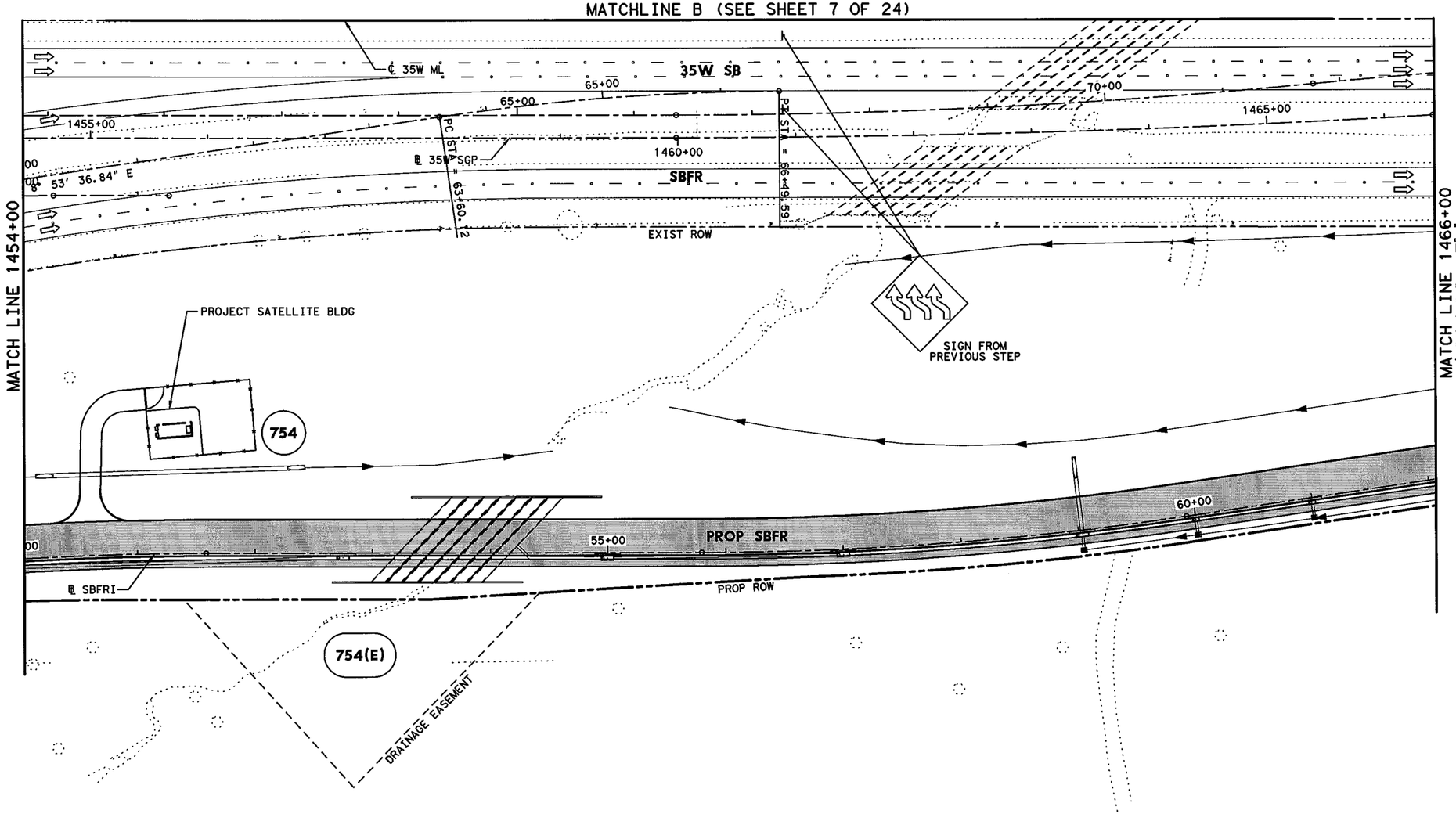
SHEET 7 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 376 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP22_07.dgn

DRAWING DATE: 7/30/2012

MATCHLINE B (SEE SHEET 7 OF 24)




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

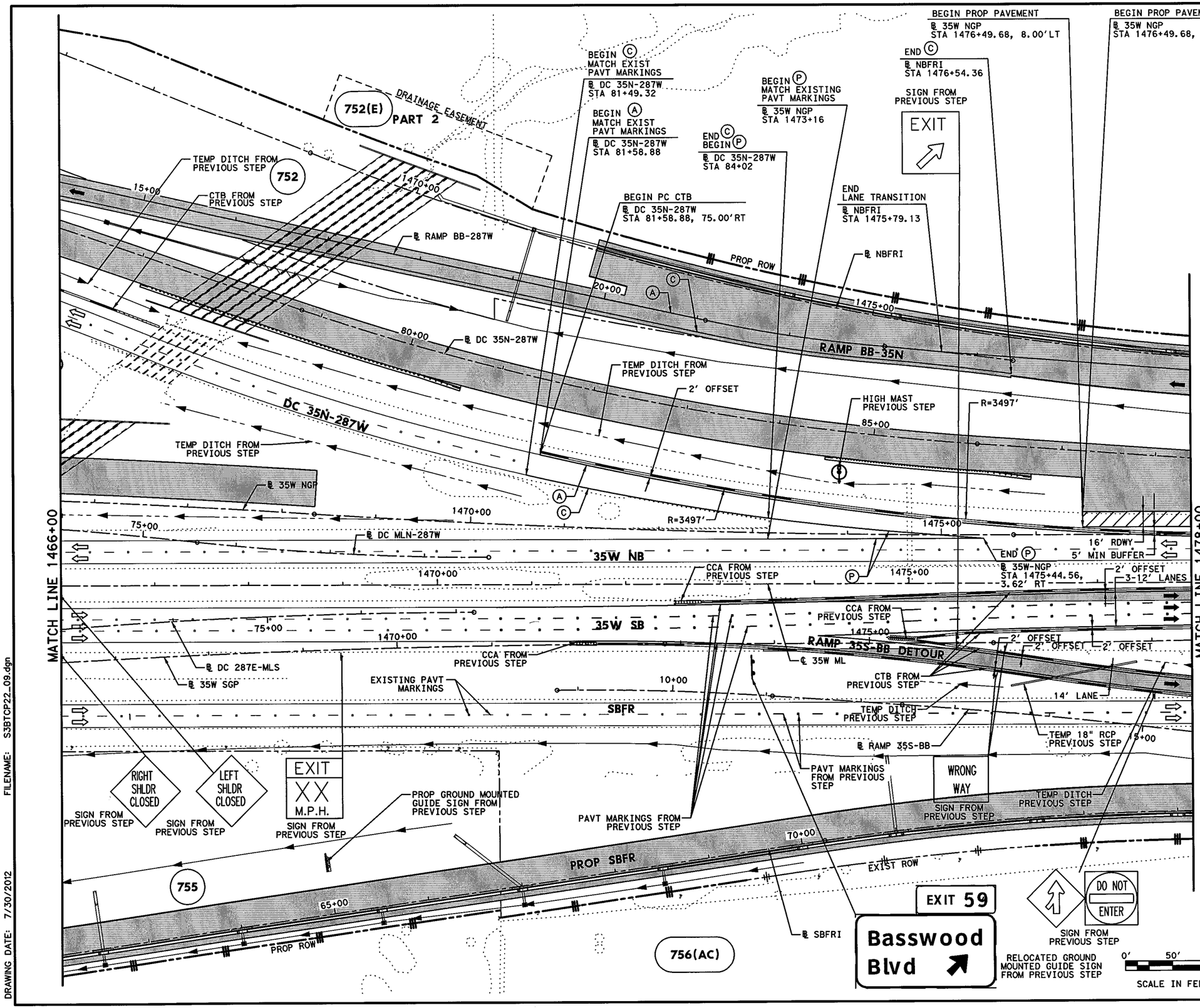
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100'
SHEET 8 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 377 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP22_08.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

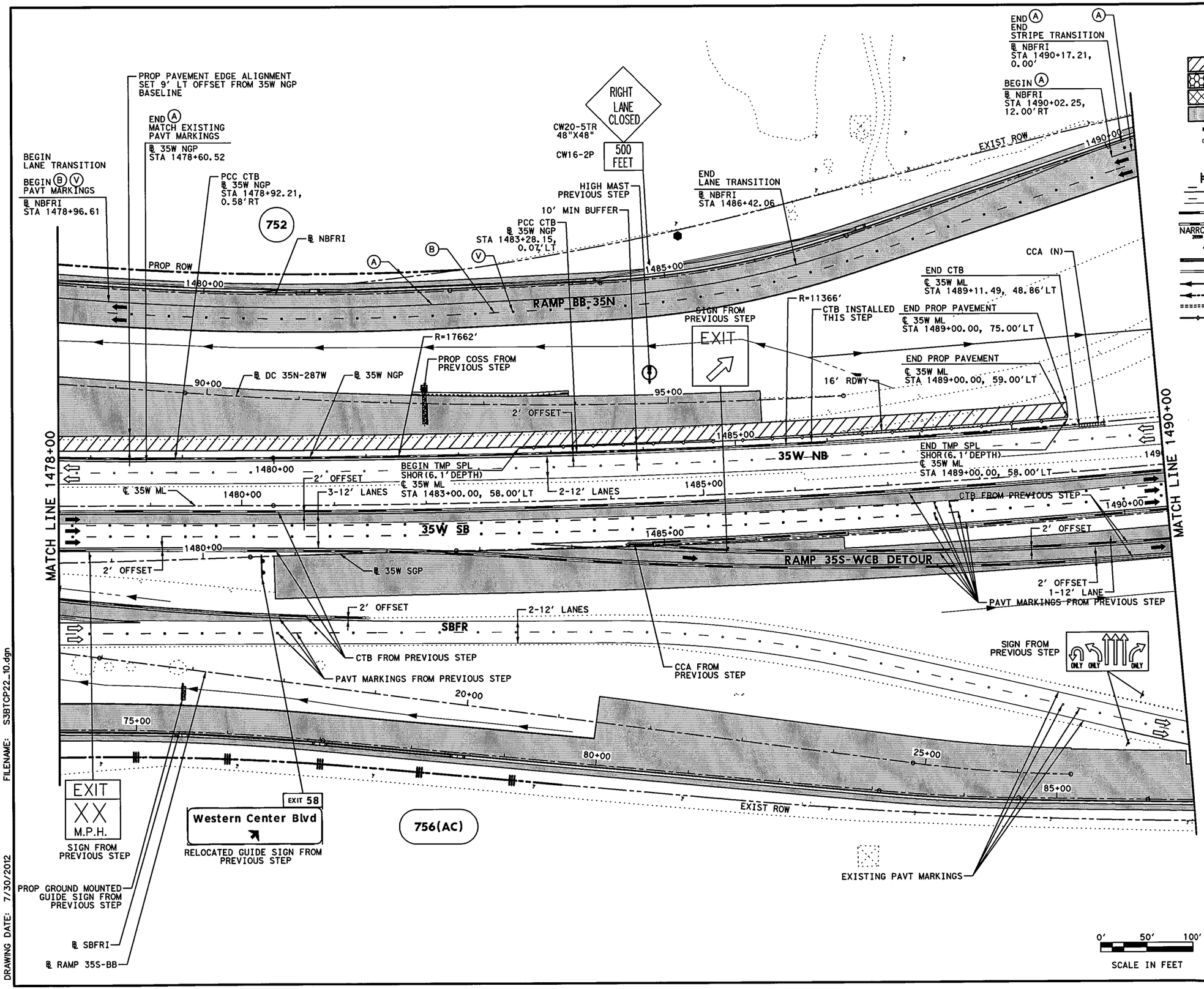
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 9 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 378 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP22_09.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

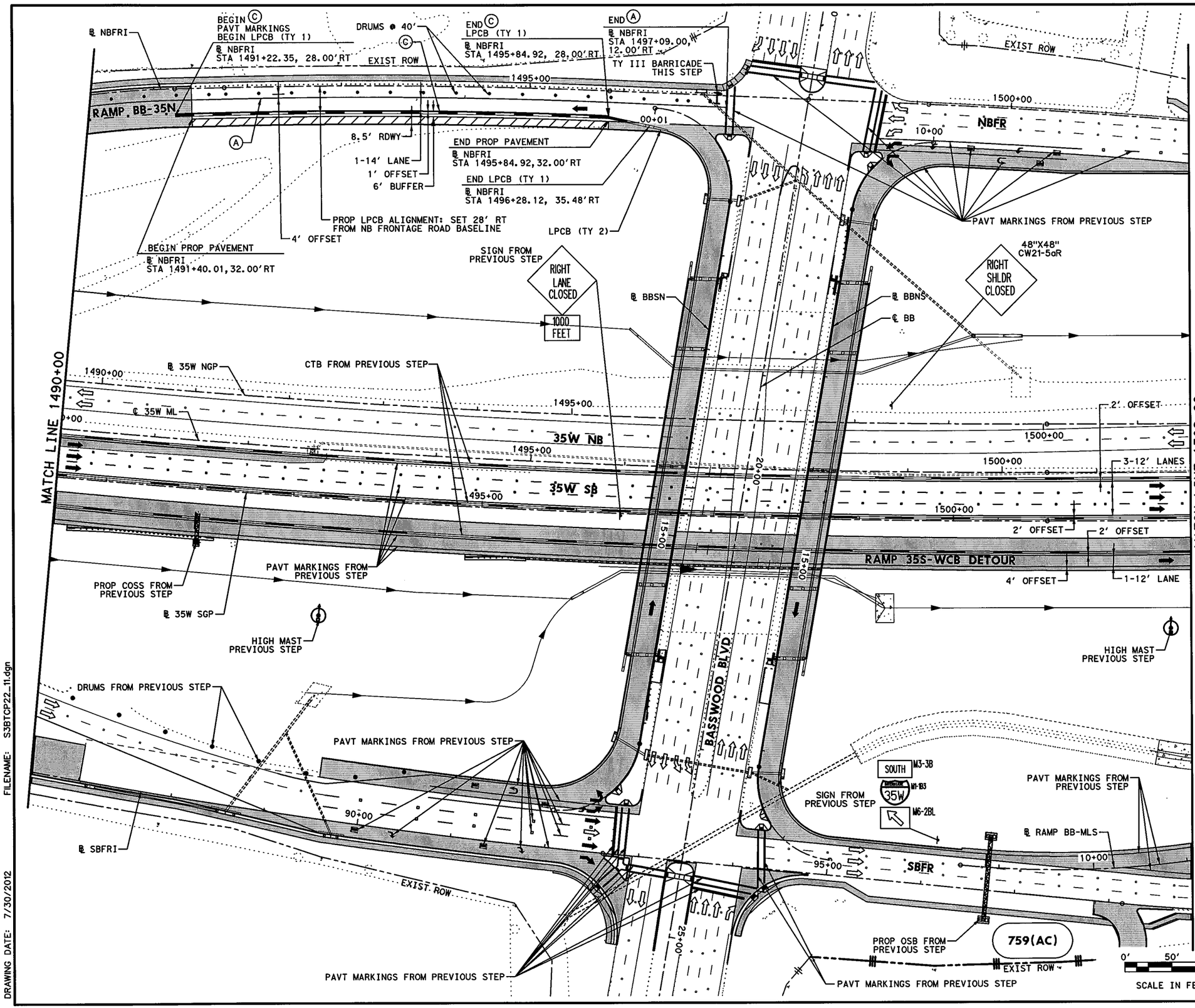
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 10 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 379 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF / SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP22_10.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

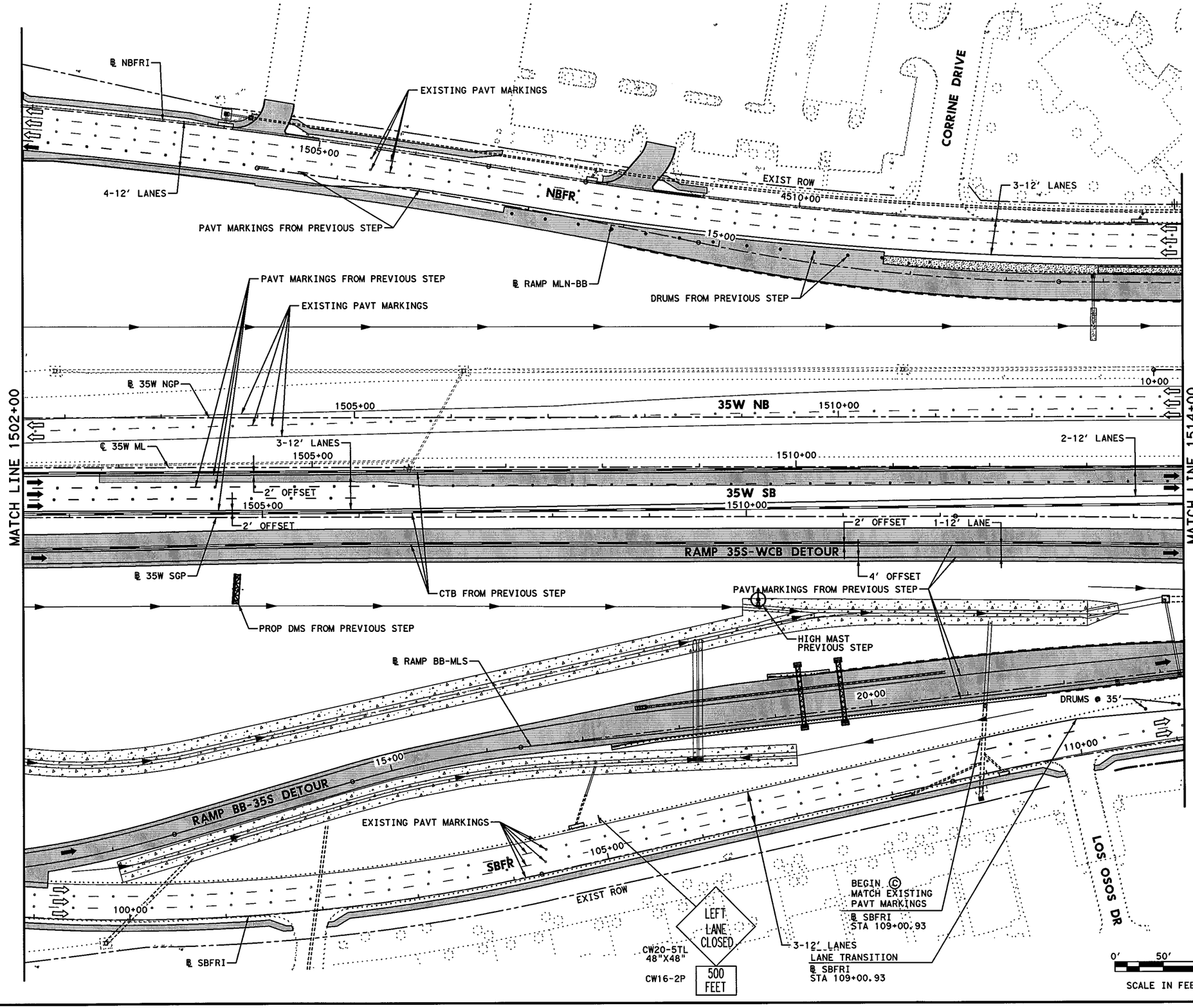
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 11 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 380 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP22_11.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 2

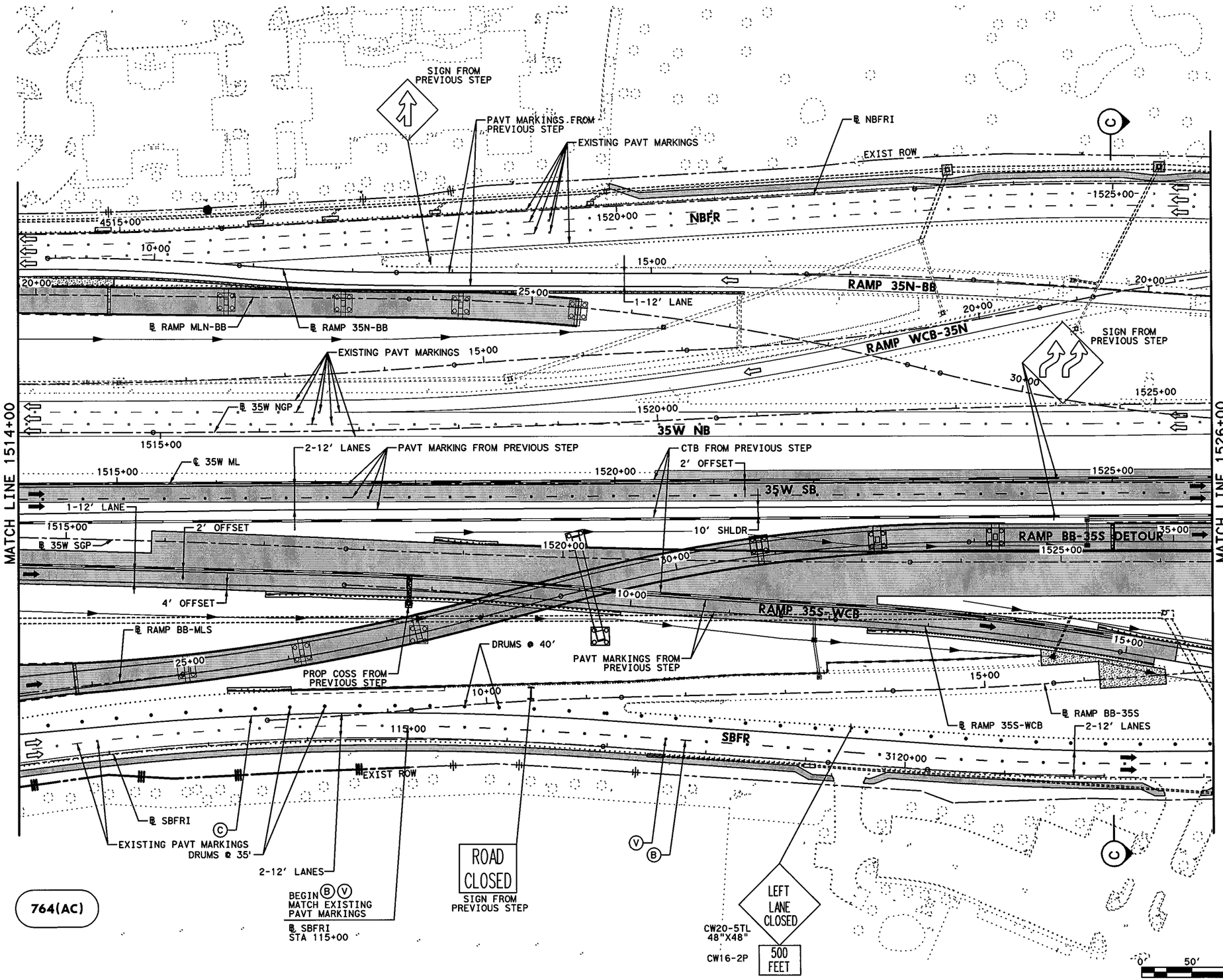
SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 381 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP22_12.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

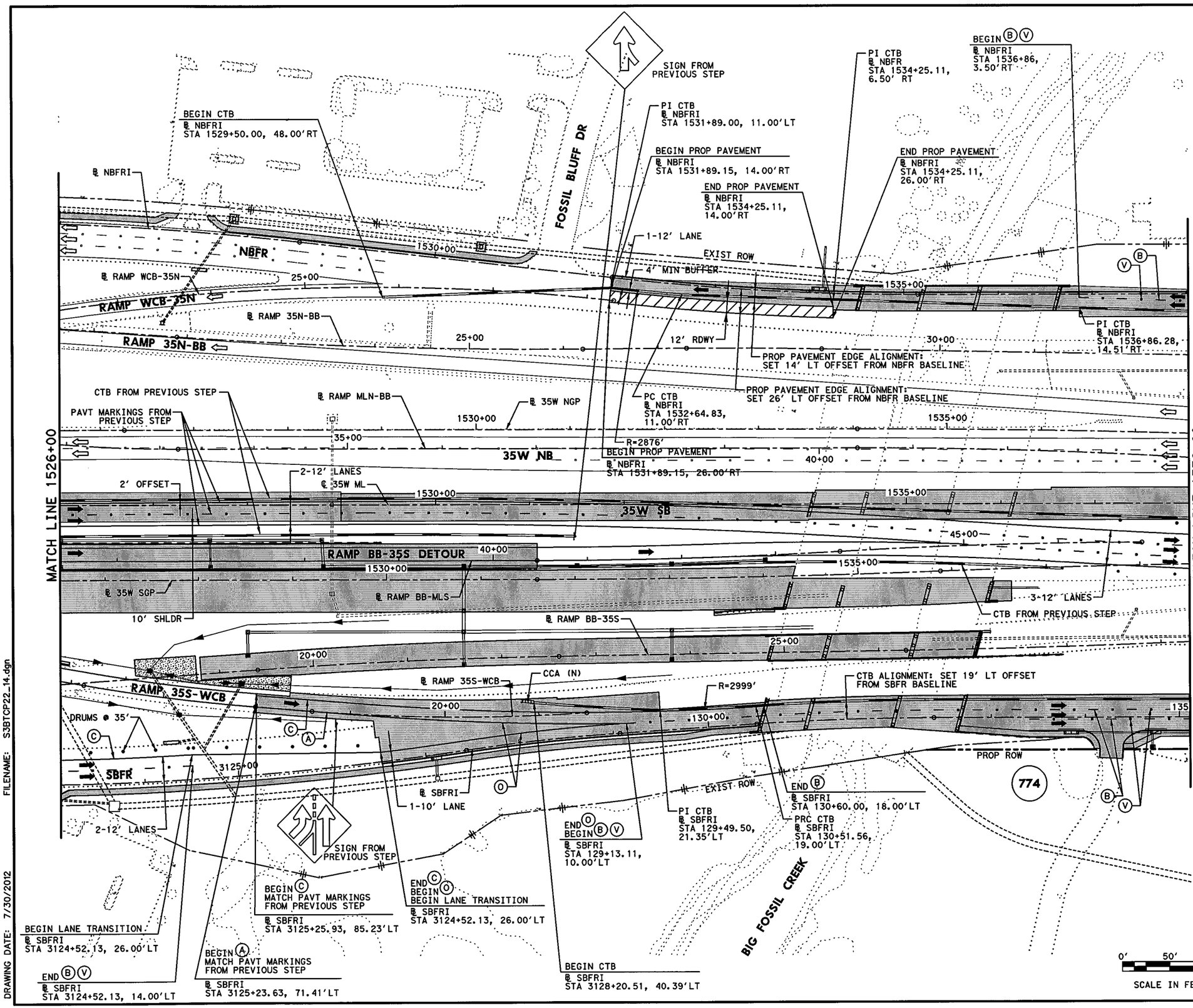
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 13 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 382 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP22_13.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

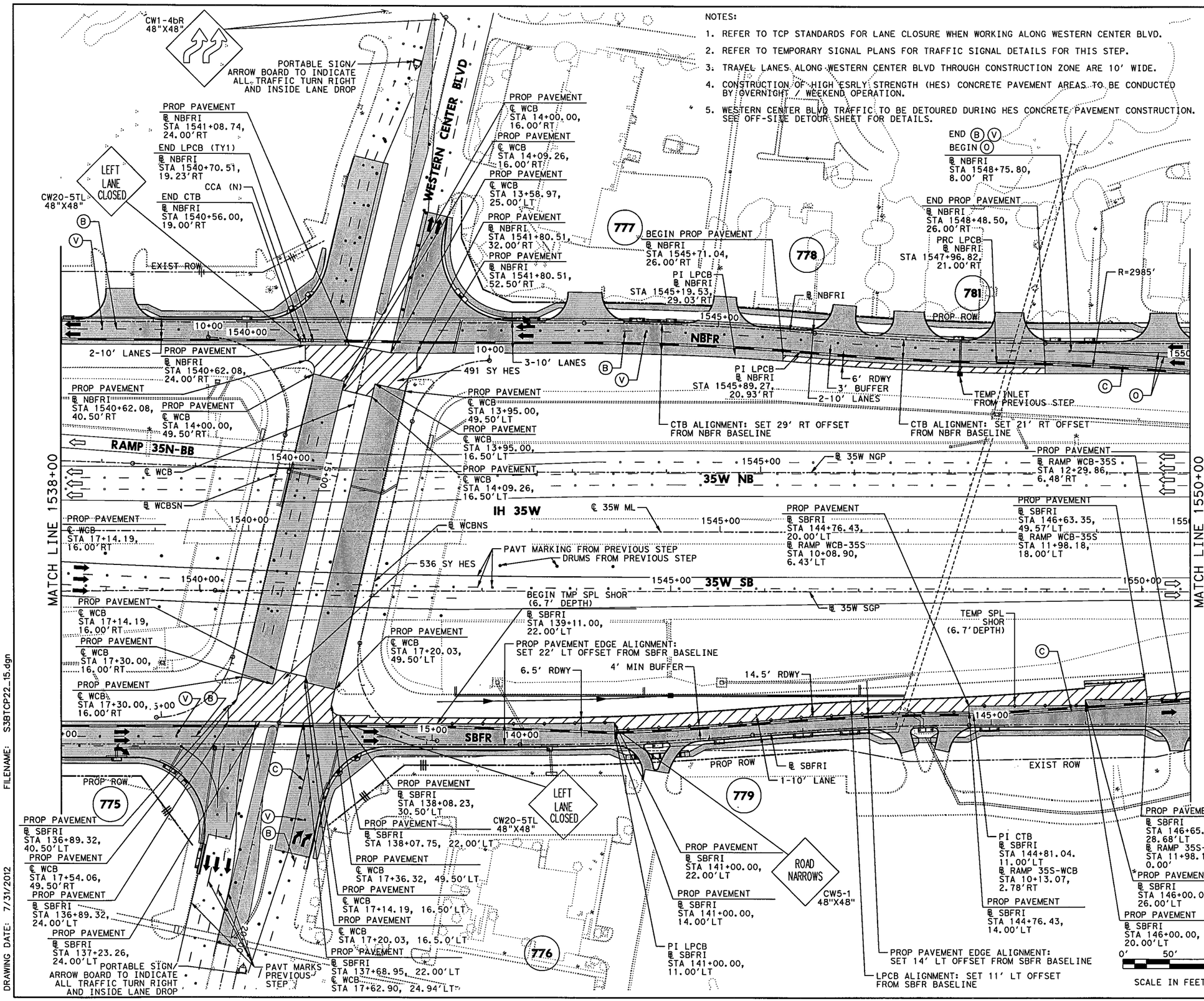
SCALE 1" = 100' SHEET 14 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 383 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCP22_14.dgn

NOTES:

1. REFER TO TCP STANDARDS FOR LANE CLOSURE WHEN WORKING ALONG WESTERN CENTER BLVD.
2. REFER TO TEMPORARY SIGNAL PLANS FOR TRAFFIC SIGNAL DETAILS FOR THIS STEP.
3. TRAVEL LANES ALONG WESTERN CENTER BLVD THROUGH CONSTRUCTION ZONE ARE 10' WIDE.
4. CONSTRUCTION OF HIGH ESRLY STRENGTH (HES) CONCRETE PAVEMENT AREAS TO BE CONDUCTED BY OVERNIGHT / WEEKEND OPERATION.
5. WESTERN CENTER BLVD TRAFFIC TO BE DETOURED DURING HES CONCRETE PAVEMENT CONSTRUCTION. SEE OFF-SITE DETOUR SHEET FOR DETAILS.




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS (NARROW / WIDE)
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

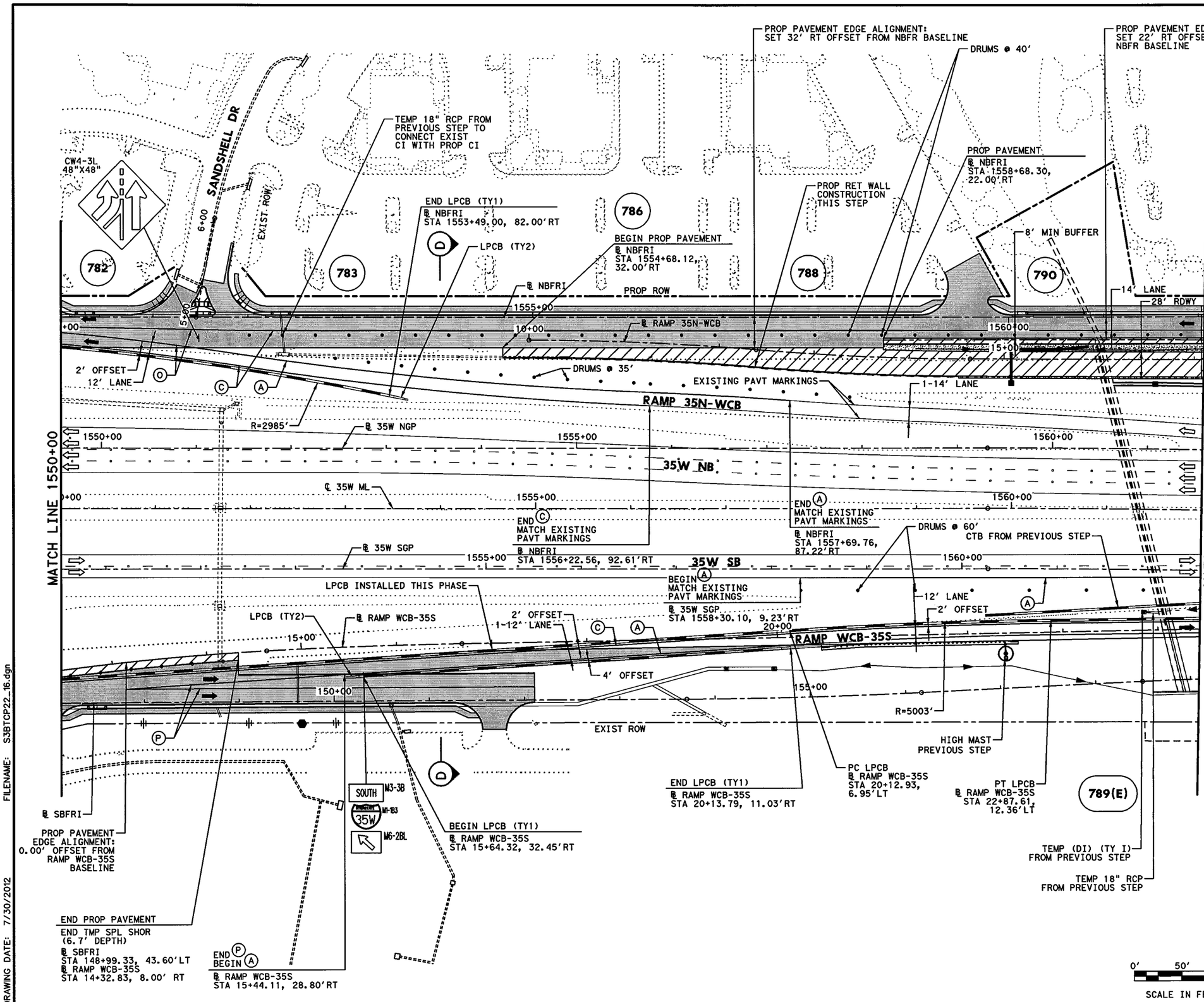
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 15 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 384 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP22_15.dgn
DRAWING DATE: 7/31/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

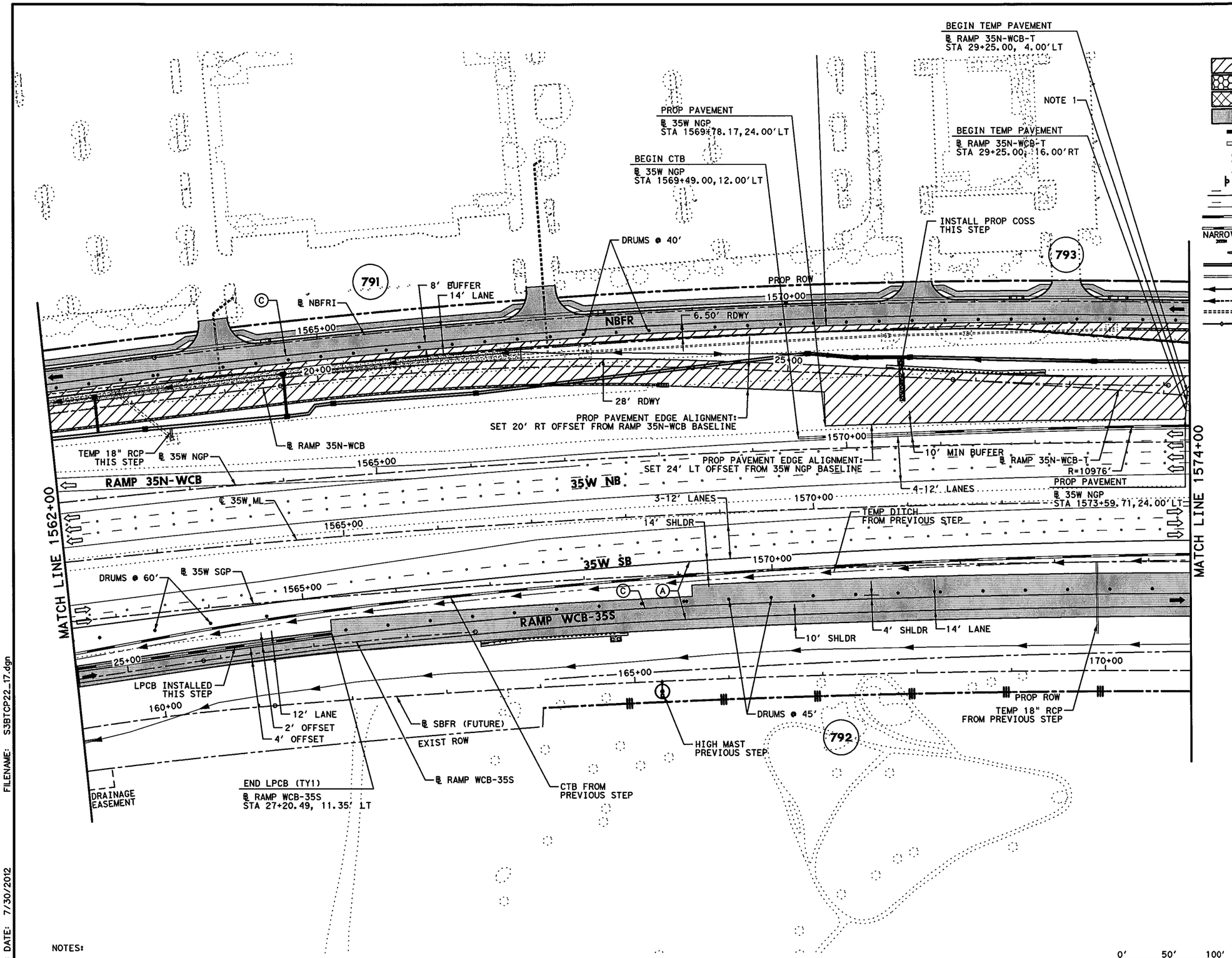
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 16 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 385 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP22_16.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. SEE DETOUR PLAN AND PROFILE SHEET FOR RAMP 35N-WCB DETOUR FOR MORE DETAILS.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

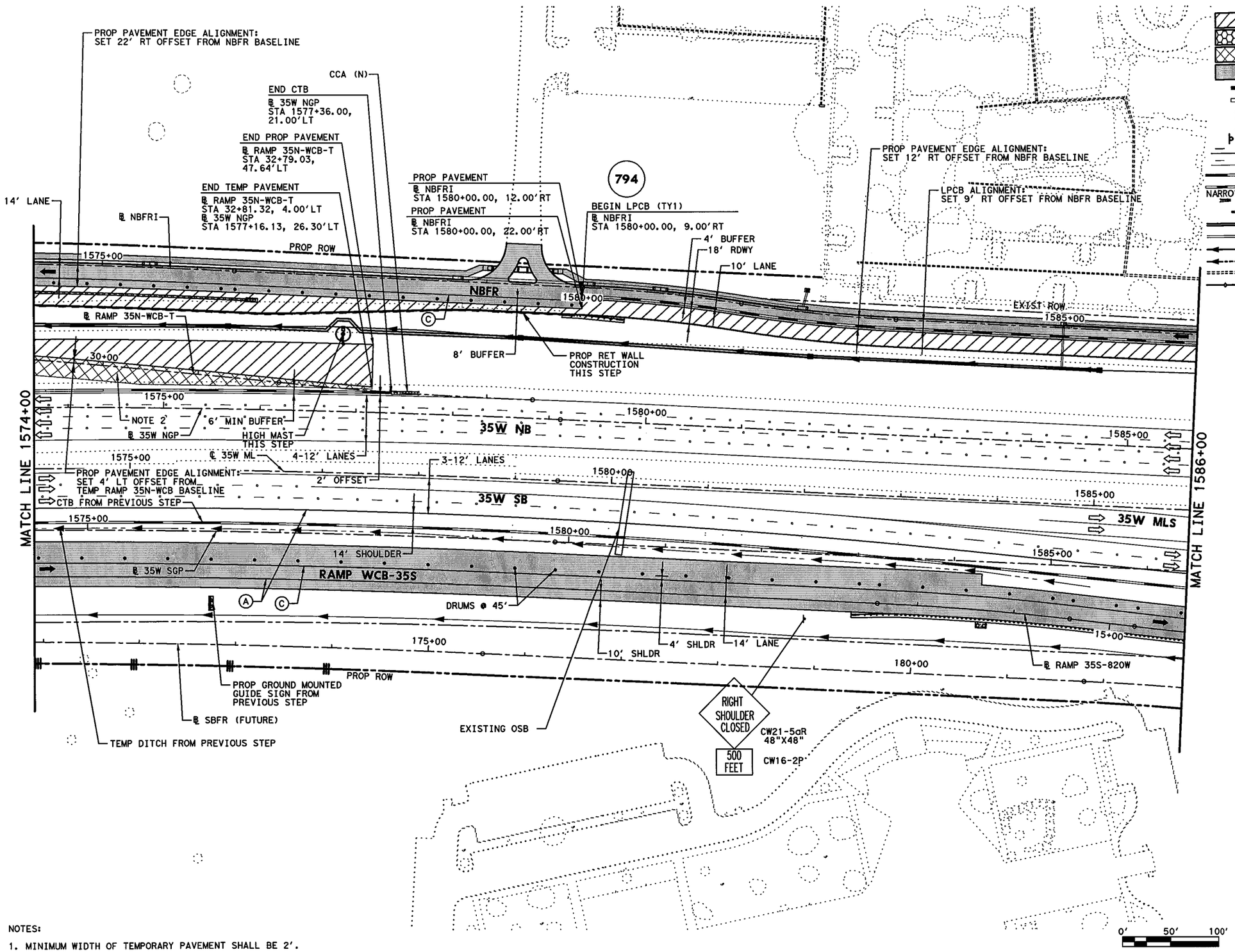
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 2

SCALE 1" = 100' SHEET 17 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 386 |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP22_17.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE — CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

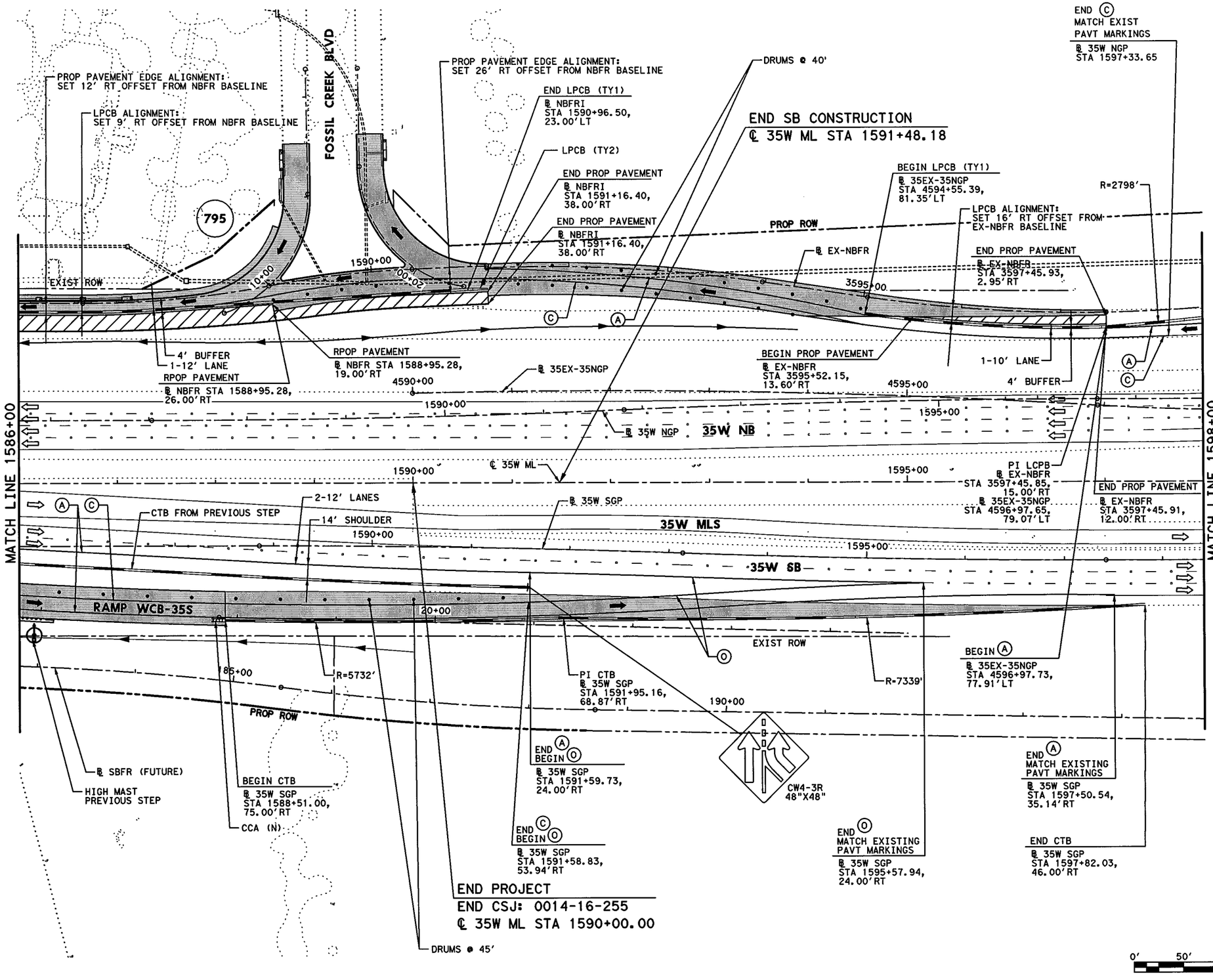
**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 18 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 387 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

NOTES:
1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
2. FOR TEMP PAVEMENT DETAIL SEE DETOUR RAMP 35N-WCB PLAN PROFILE SHEET.

FILENAME: S3BTCP22_18.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

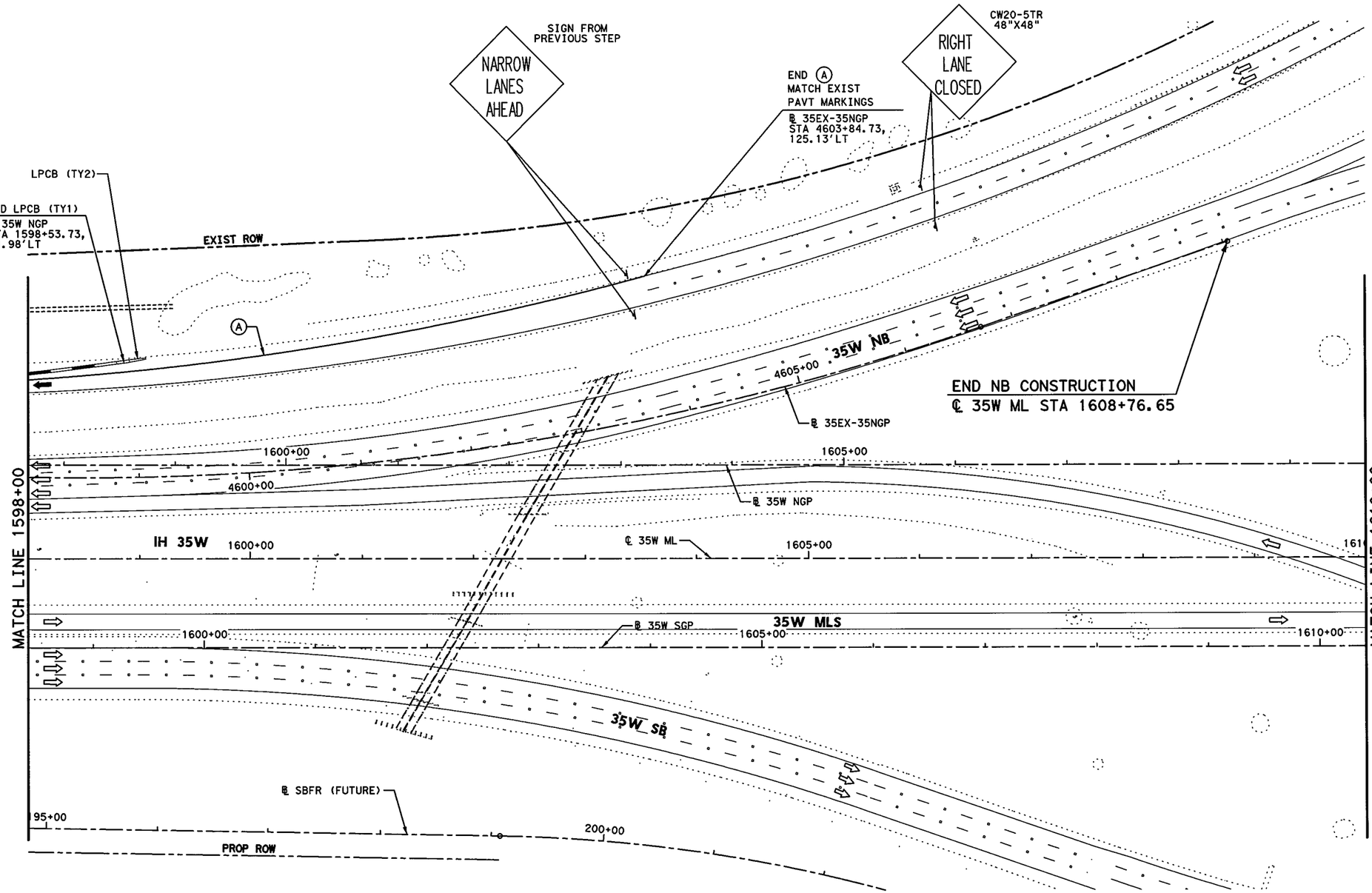
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 19 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 388 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP22_19.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

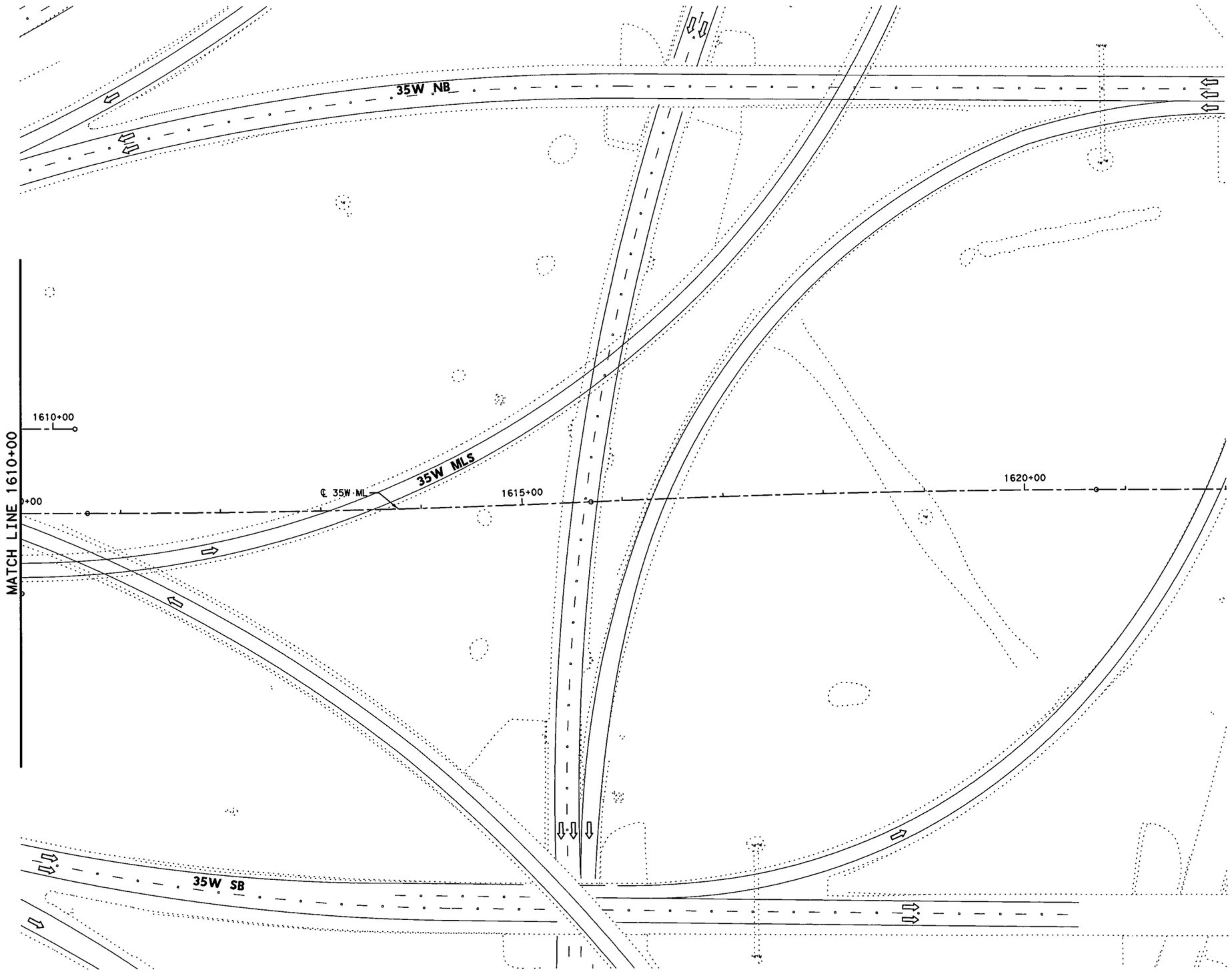
# TRAFFIC CONTROL PLAN
## PHASE 2 STEP 2

SCALE 1" = 100'

SHEET 20 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 389 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP22_20.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

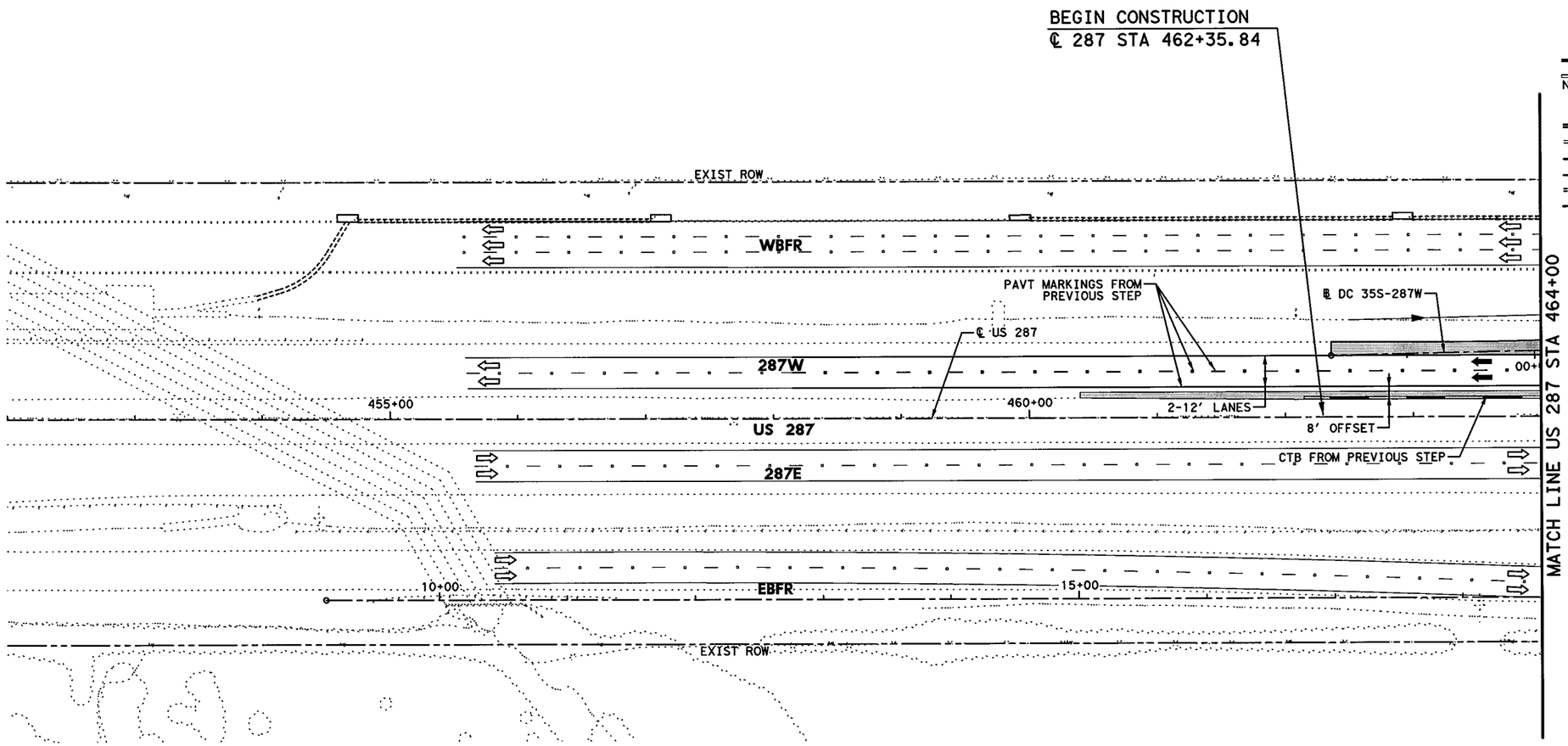
# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 2

SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 390 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP22_21.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

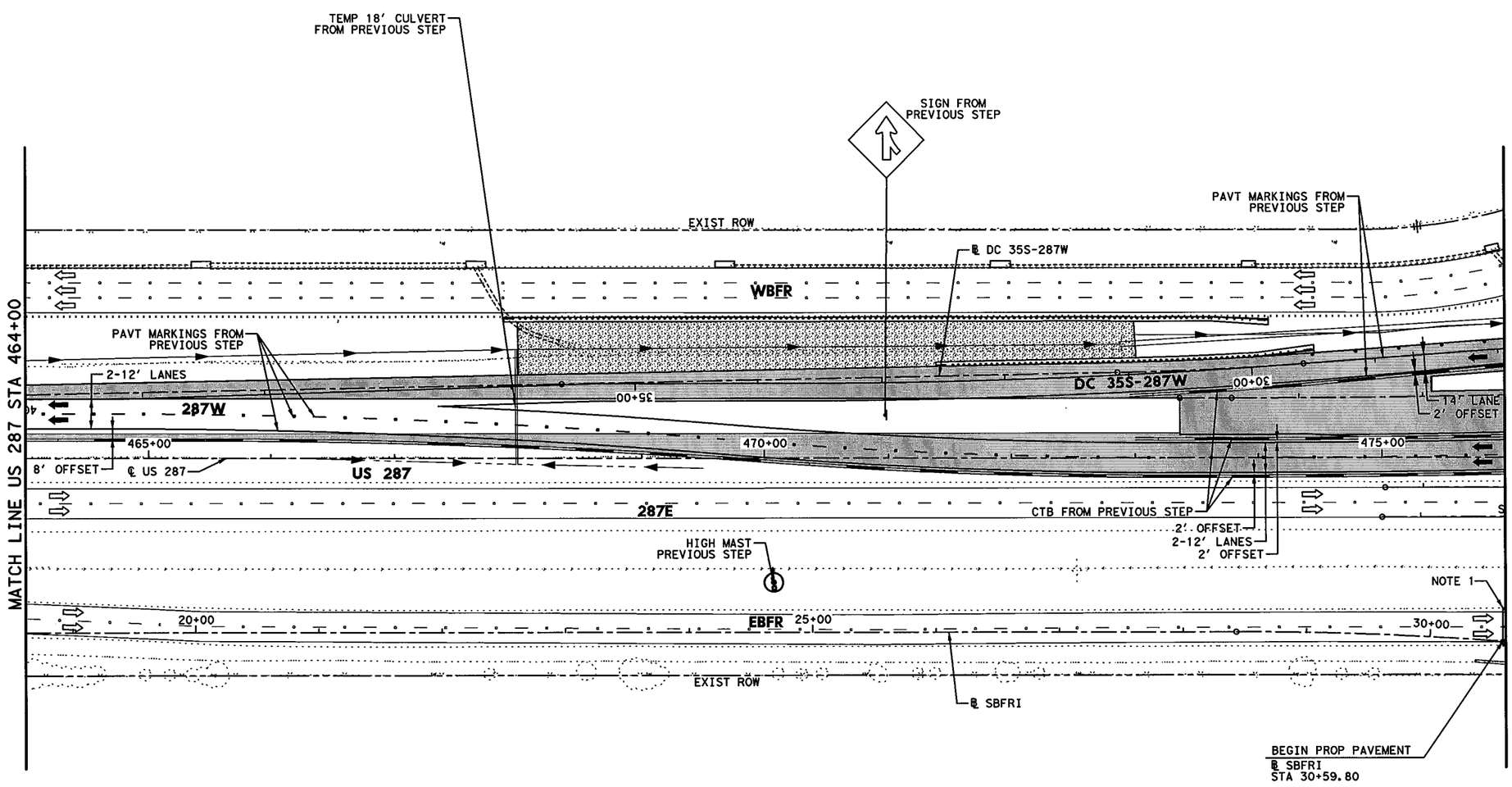
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 22 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 391 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP22_22.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. CONSTRUCTION OF TIE-IN BETWEEN EXISTING AND PROPOSED SB FRONTAGE RD SHALL BE DONE IN HALF SECTION TO ALLOW ONE LANE OF TRAFFIC TO REMAIN OPEN AT ALL TIMES.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

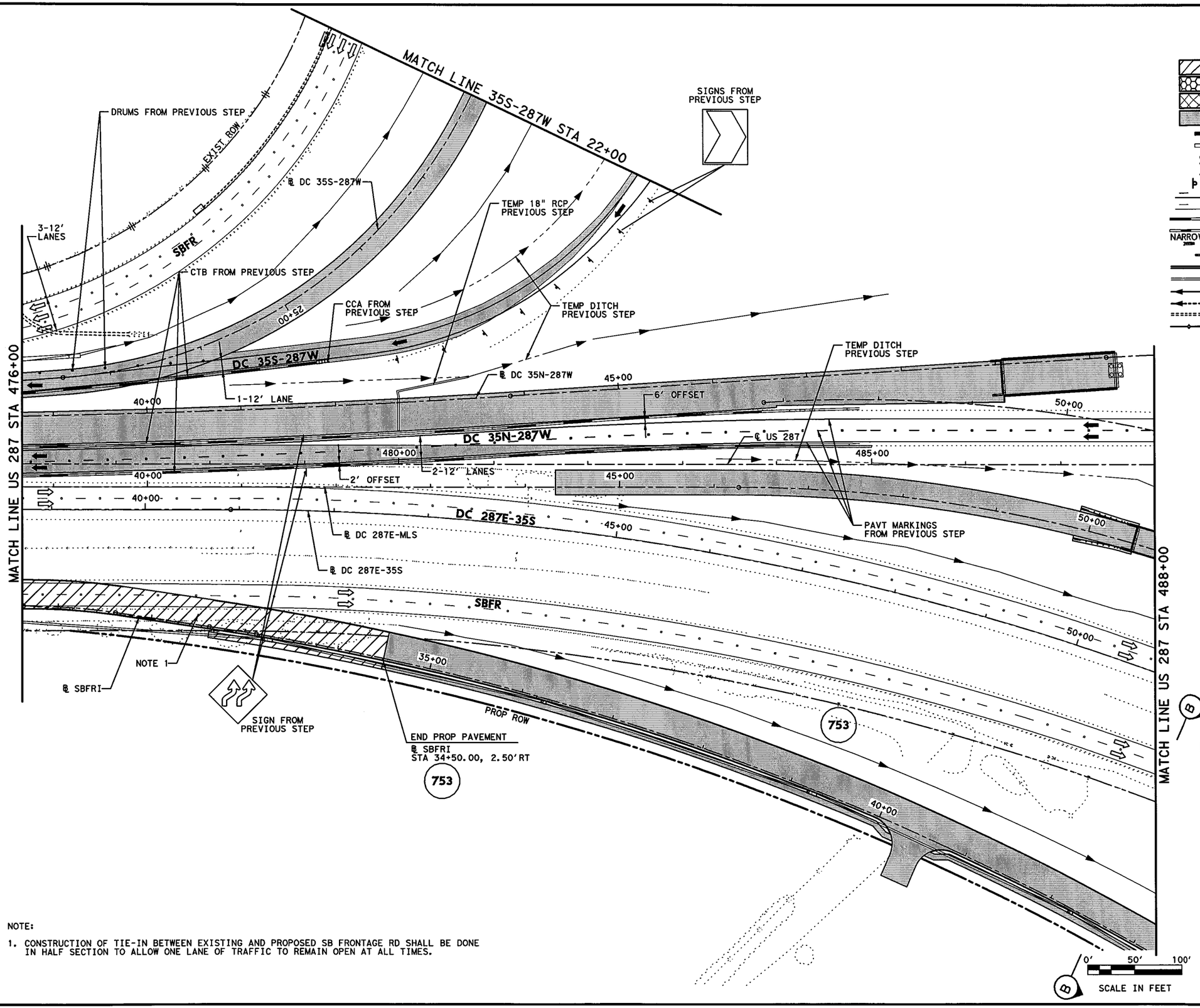
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100' SHEET 23 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 392 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP22_23.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:

1. CONSTRUCTION OF TIE-IN BETWEEN EXISTING AND PROPOSED SB FRONTAGE RD SHALL BE DONE IN HALF SECTION TO ALLOW ONE LANE OF TRAFFIC TO REMAIN OPEN AT ALL TIMES.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

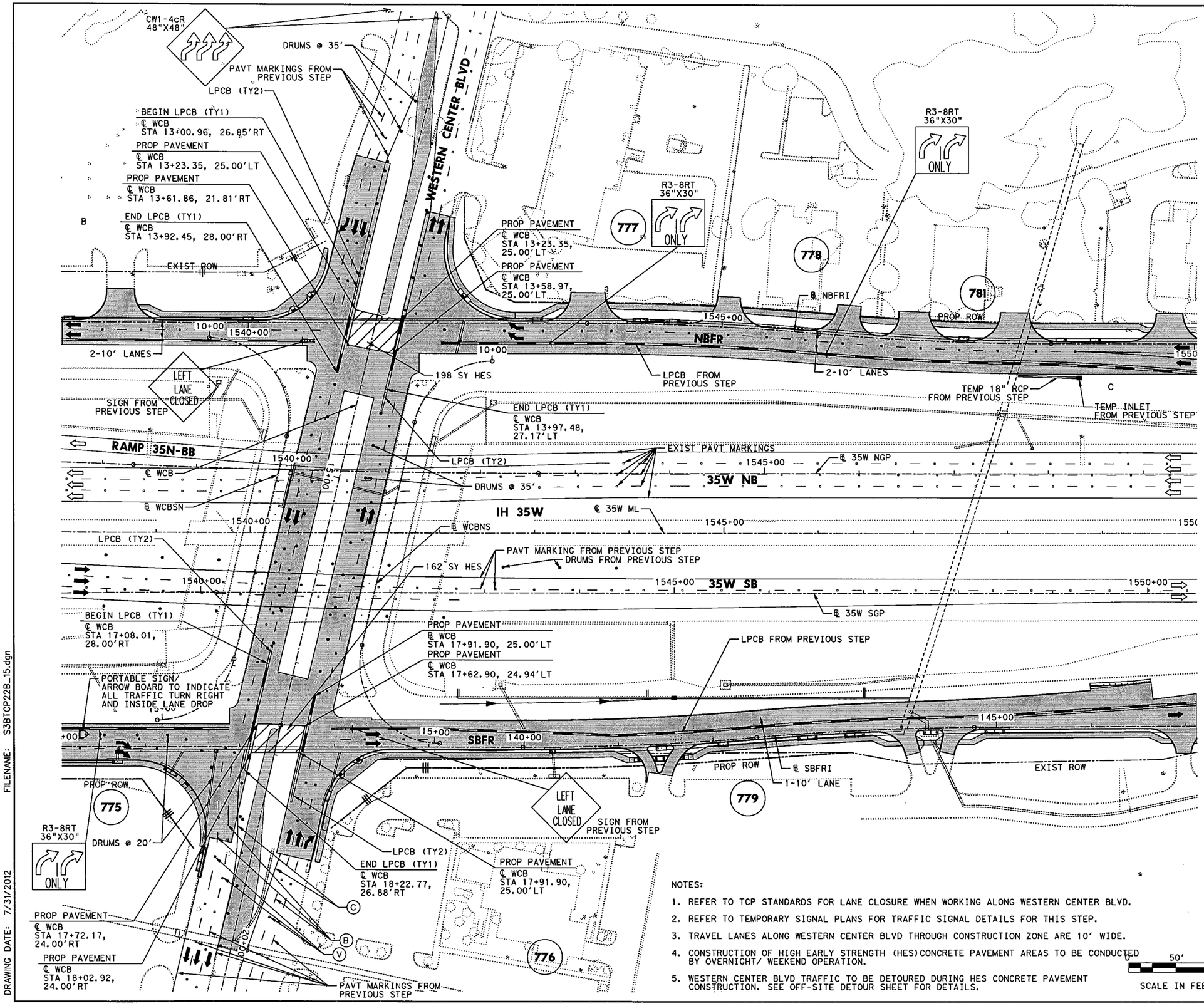
**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2**

SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 393 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP22_24.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. REFER TO TCP STANDARDS FOR LANE CLOSURE WHEN WORKING ALONG WESTERN CENTER BLVD.
2. REFER TO TEMPORARY SIGNAL PLANS FOR TRAFFIC SIGNAL DETAILS FOR THIS STEP.
3. TRAVEL LANES ALONG WESTERN CENTER BLVD THROUGH CONSTRUCTION ZONE ARE 10' WIDE.
4. CONSTRUCTION OF HIGH EARLY STRENGTH (HES)CONCRETE PAVEMENT AREAS TO BE CONDUCTED BY OVERNIGHT/ WEEKEND OPERATION.
5. WESTERN CENTER BLVD TRAFFIC TO BE DETOURED DURING HES CONCRETE PAVEMENT CONSTRUCTION. SEE OFF-SITE DETOUR SHEET FOR DETAILS.

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

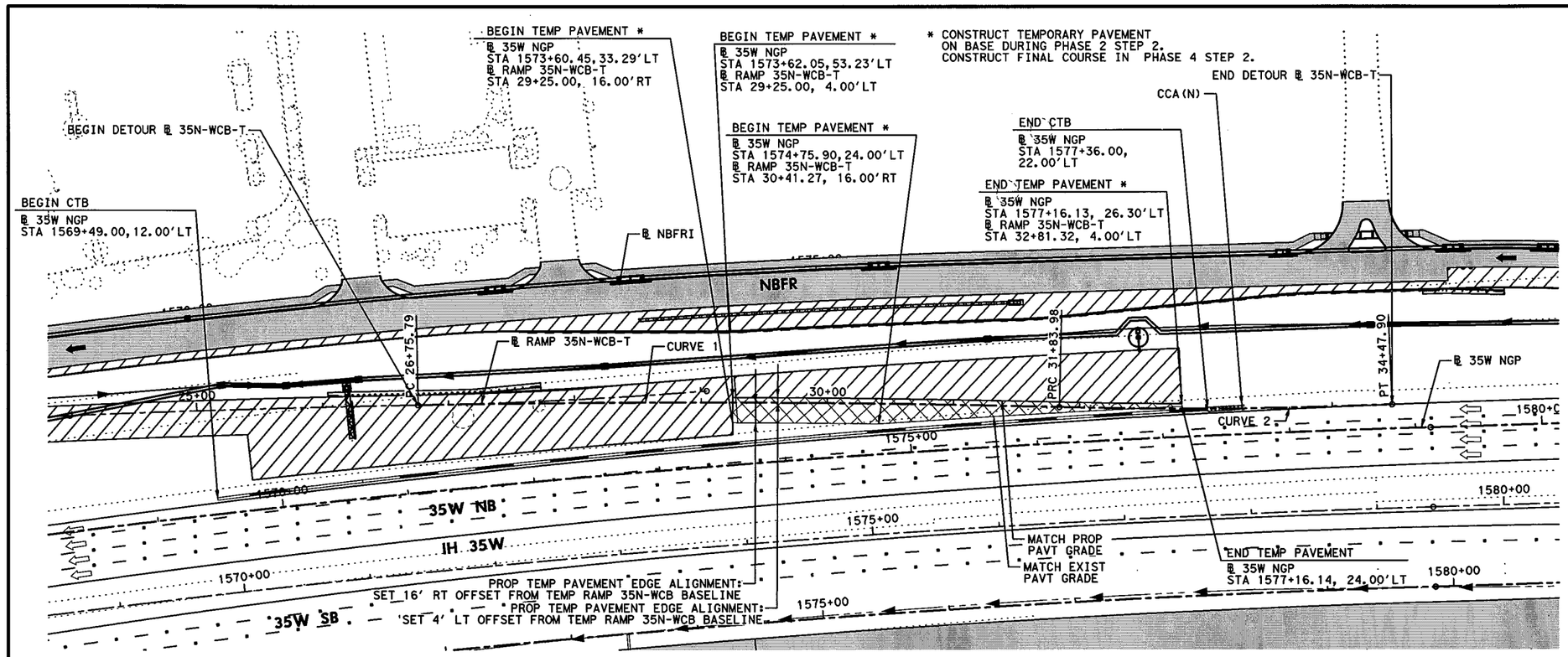
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 2B**

SCALE 1" = 100' SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 393A |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP22B_15.dgn
DRAWING DATE: 7/31/2012

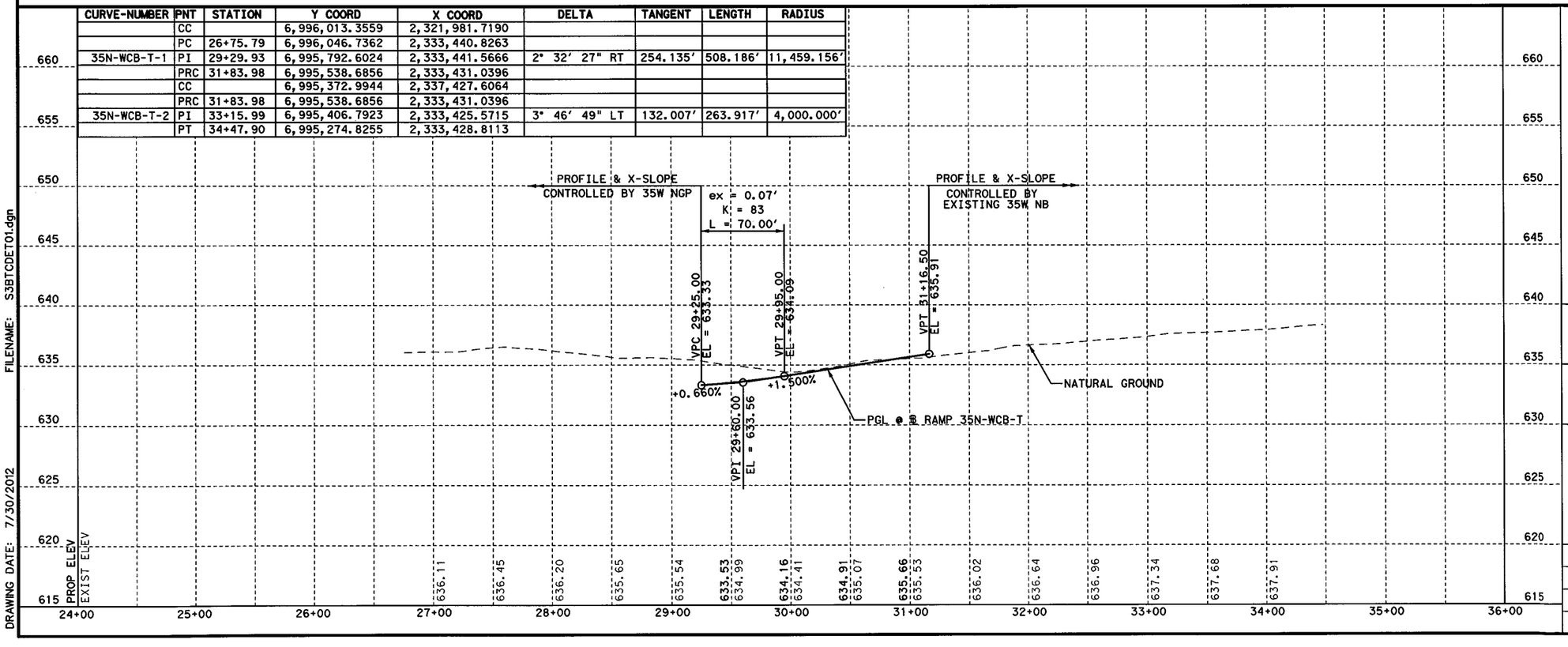



HORZ 0' 25' 50' 100'
VERT 0' 5' 10'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- NEW PAVEMENT OPEN TO TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- PORTABLE SIGN/ARROW BOARD
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

| CURVE-NUMBER | PNT | STATION | Y COORD | X COORD | DELTA | TANGENT | LENGTH | RADIUS |
|---|---|---|---|---|---|---|---|---|
| | CC | | 6,996,013.3559 | 2,321,981.7190 | | | | |
| | PC | 26+75.79 | 6,996,046.7362 | 2,333,440.8263 | | | | |
| 35N-WCB-T-1 | PI | 29+29.93 | 6,995,792.6024 | 2,333,441.5666 | 2° 32' 27" RT | 254.135' | 508.186' | 11,459.156' |
| | PRC | 31+83.98 | 6,995,538.6856 | 2,333,431.0396 | | | | |
| | CC | | 6,995,372.9944 | 2,337,427.6064 | | | | |
| | PRC | 31+83.98 | 6,995,538.6856 | 2,333,431.0396 | | | | |
| 35N-WCB-T-2 | PI | 33+15.99 | 6,995,406.7923 | 2,333,425.5715 | 3° 46' 49" LT | 132.007' | 263.917' | 4,000.000' |
| | PT | 34+47.90 | 6,995,274.8255 | 2,333,428.8113 | | | | |




STATE OF TEXAS
B. VANDERWALT
81580
LICENSED
PROFESSIONAL ENGINEER
P.E.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

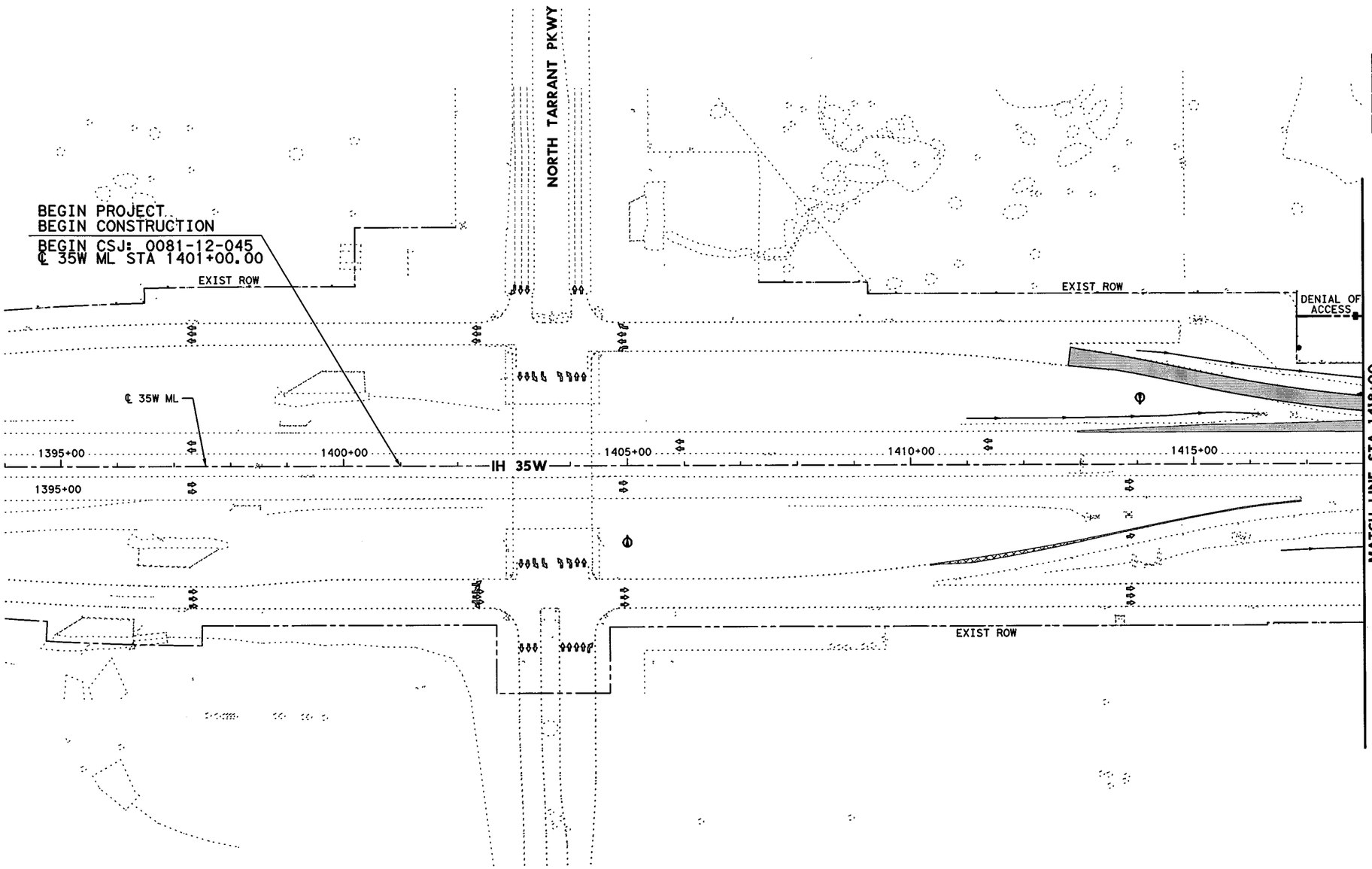
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**DETOUR RAMP 35N-WCB**

SCALE 1" = 100' SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 394 |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCDET01.dgn
DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 2 STEP 3
## BEGIN PROJECT TO STA 1418+00

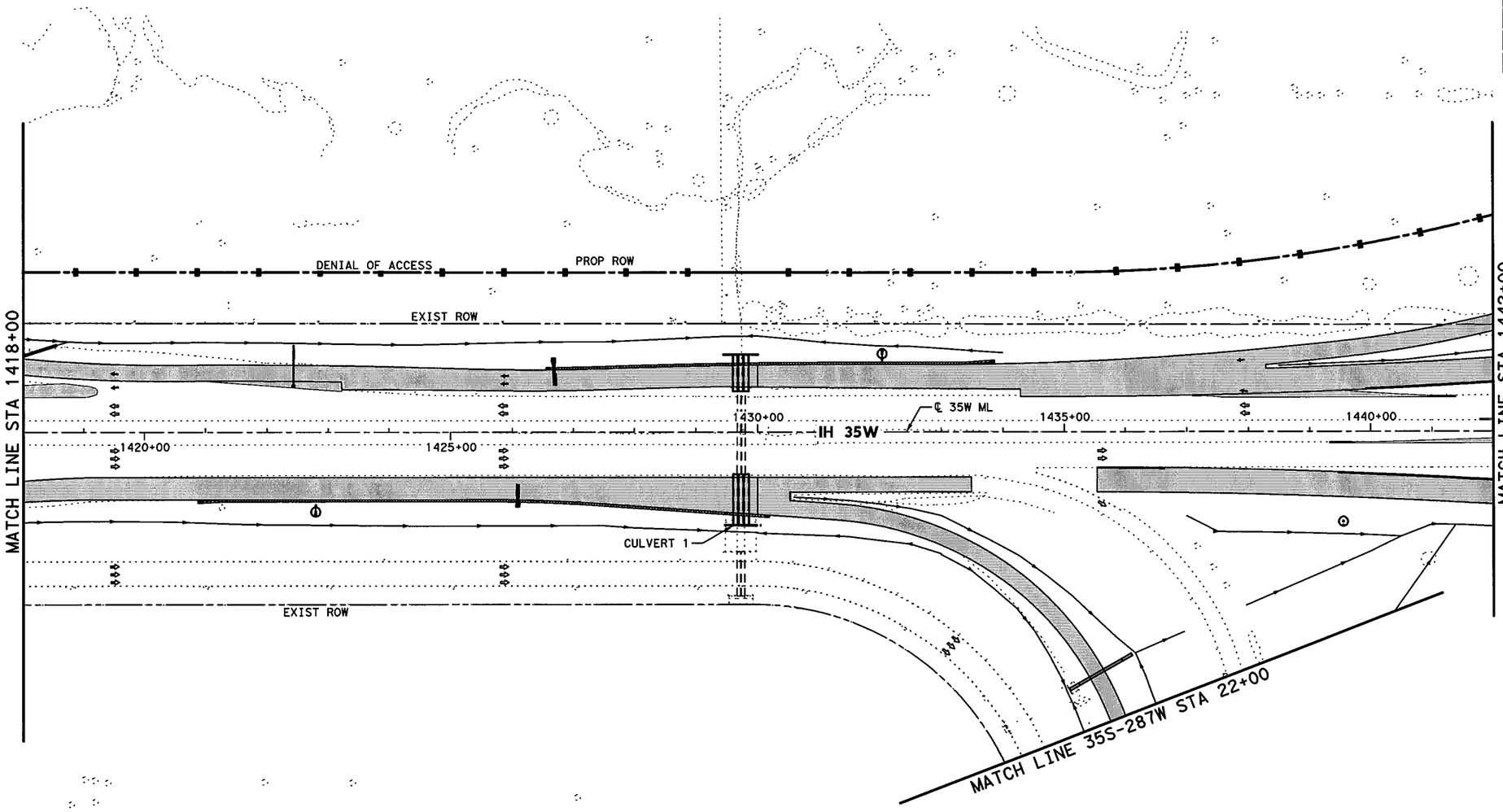
SCALE: 1" = 200'

SHEET 1 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 395 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL23_01.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 2 STEP 3**

**STA 1418+00 TO STA 1442+00**

SCALE: 1" = 200'

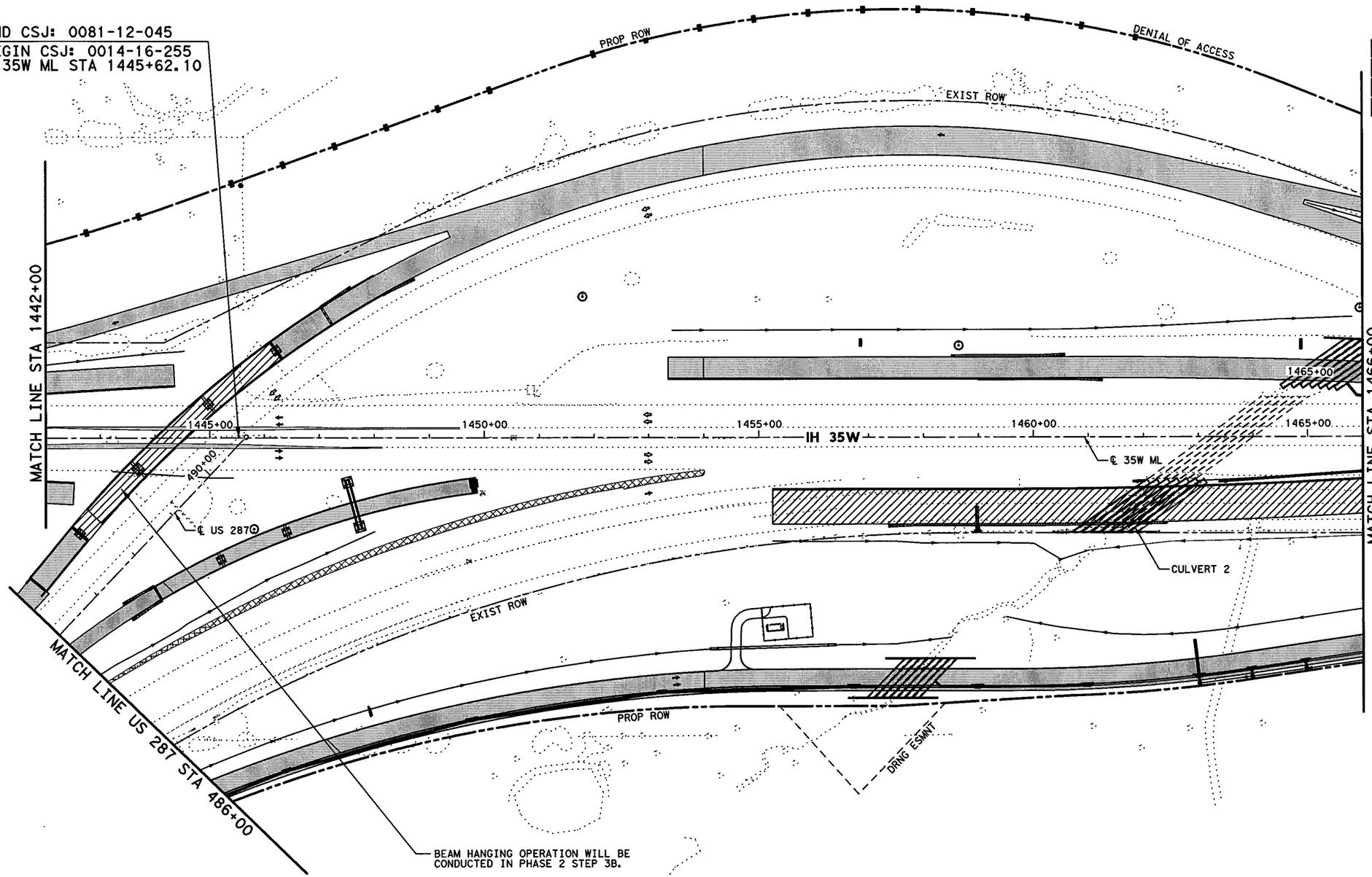
SHEET 2 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 396 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL23_02.dgn

DRAWING DATE: 7/29/2012

END CSJ: 0081-12-045
BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




0' 50' 100' 200'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

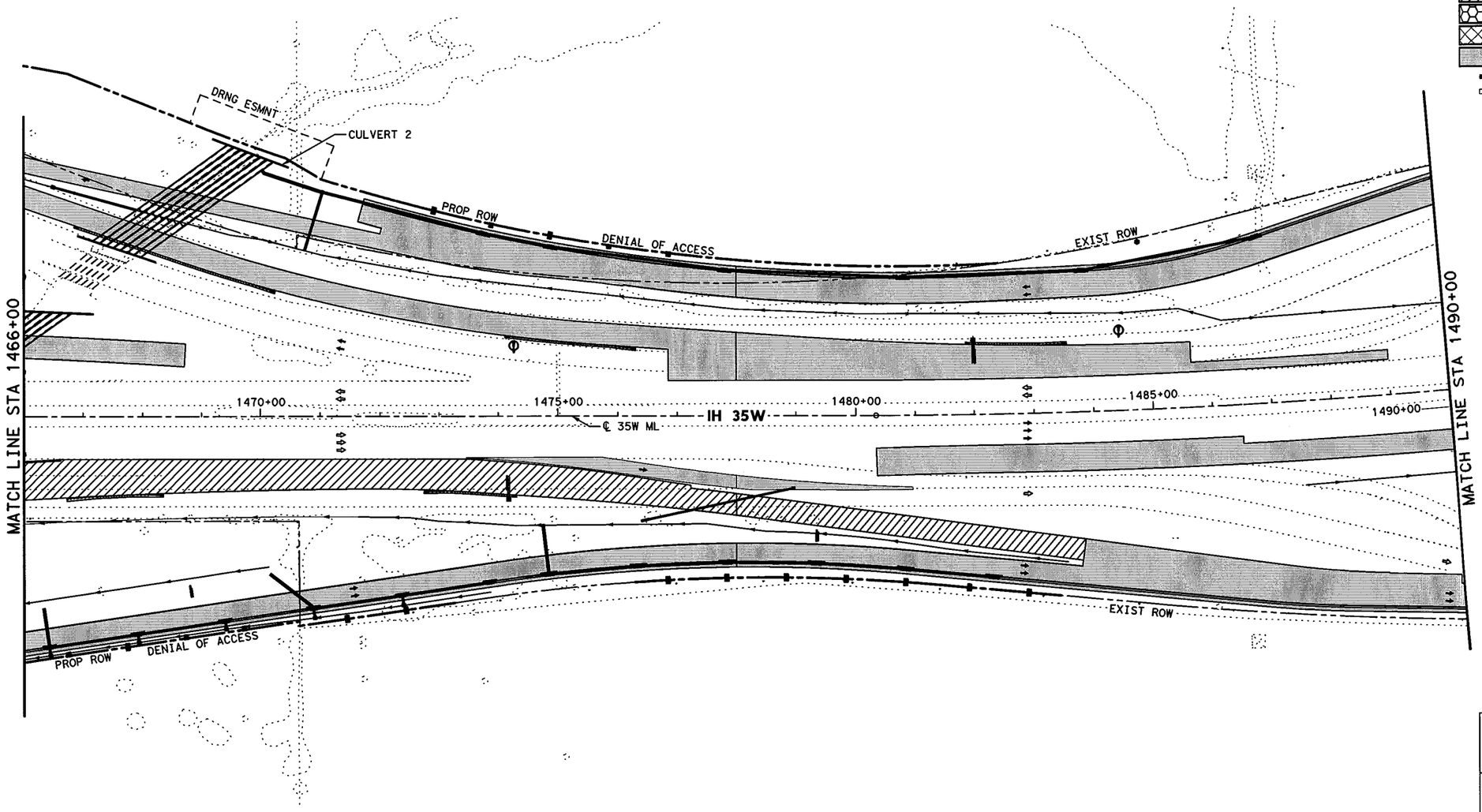
**PHASE 2 STEP 3**

**STA 1442+00 TO STA 1466+00**

SCALE: 1" = 200'
SHEET 3 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 397 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL23_03.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 2 STEP 3**

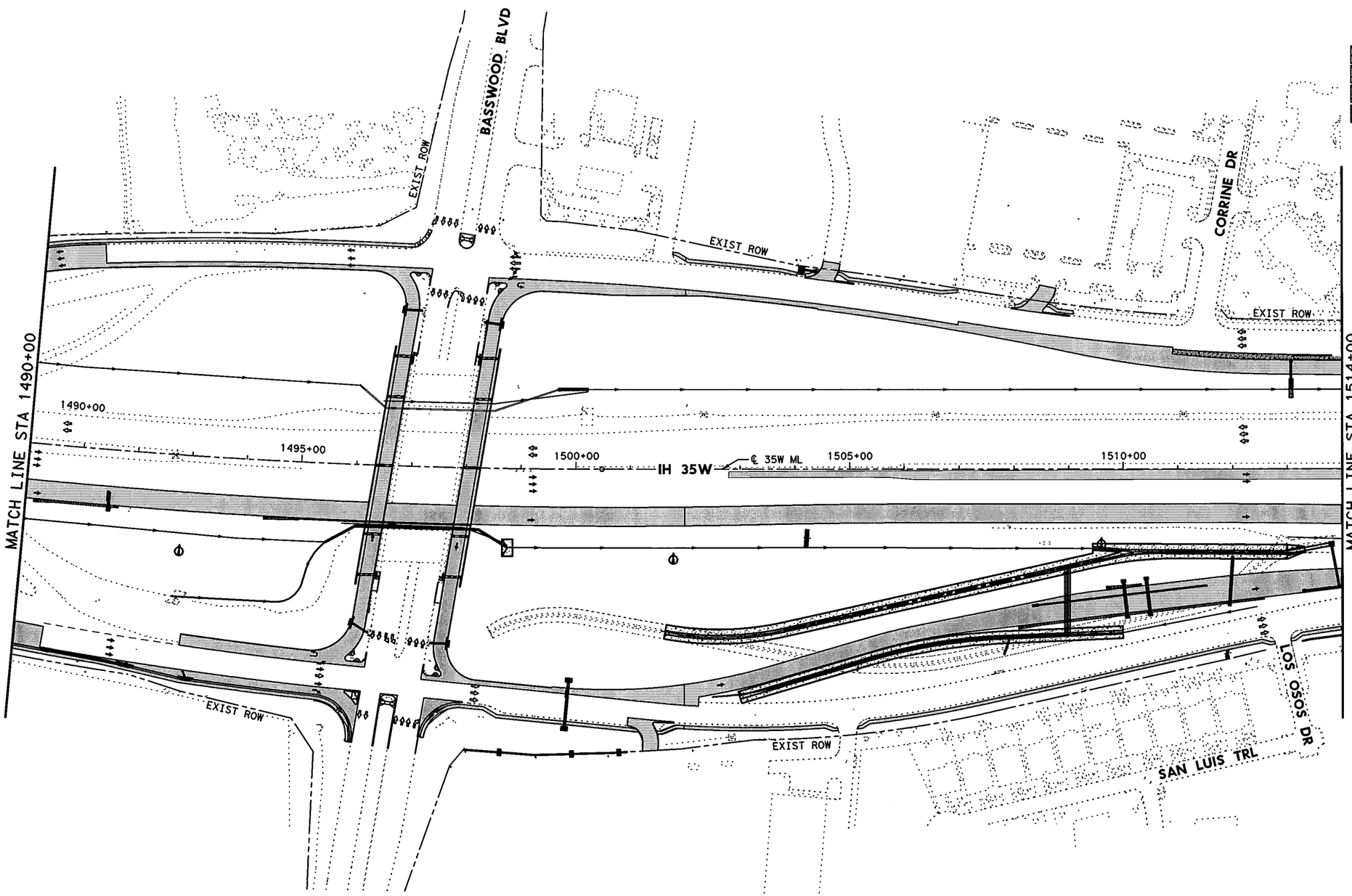
**STA 1466+00 TO STA 1490+00**

SCALE: 1" = 200' SHEET 4 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 398 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL23_04.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 2 STEP 3
## STA 1490+00 TO STA 1514+00

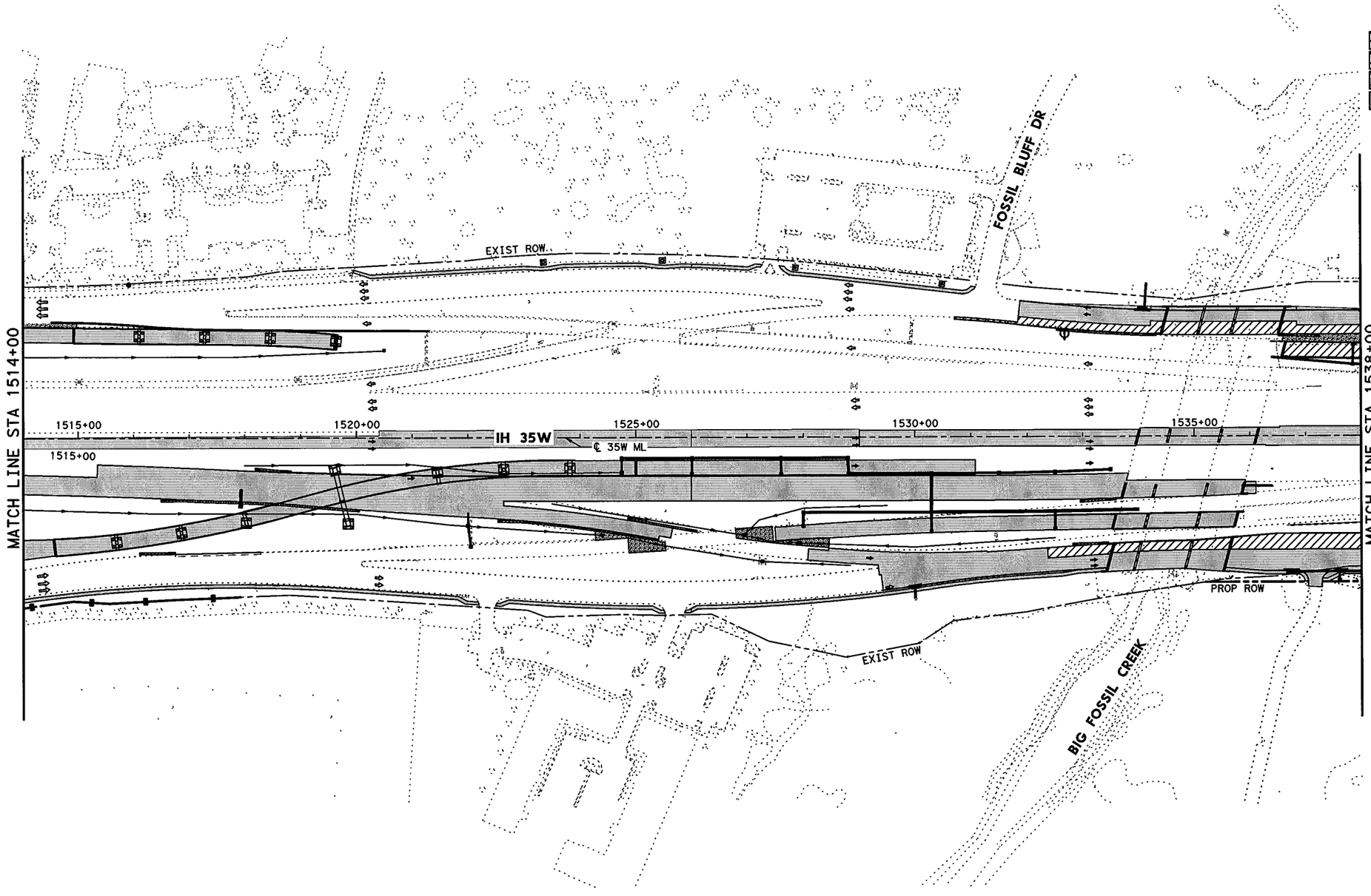
SCALE: 1" = 200'

SHEET 5 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 399 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCL23_05.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 2 STEP 3

## STA 1514+00 TO STA 1538+00

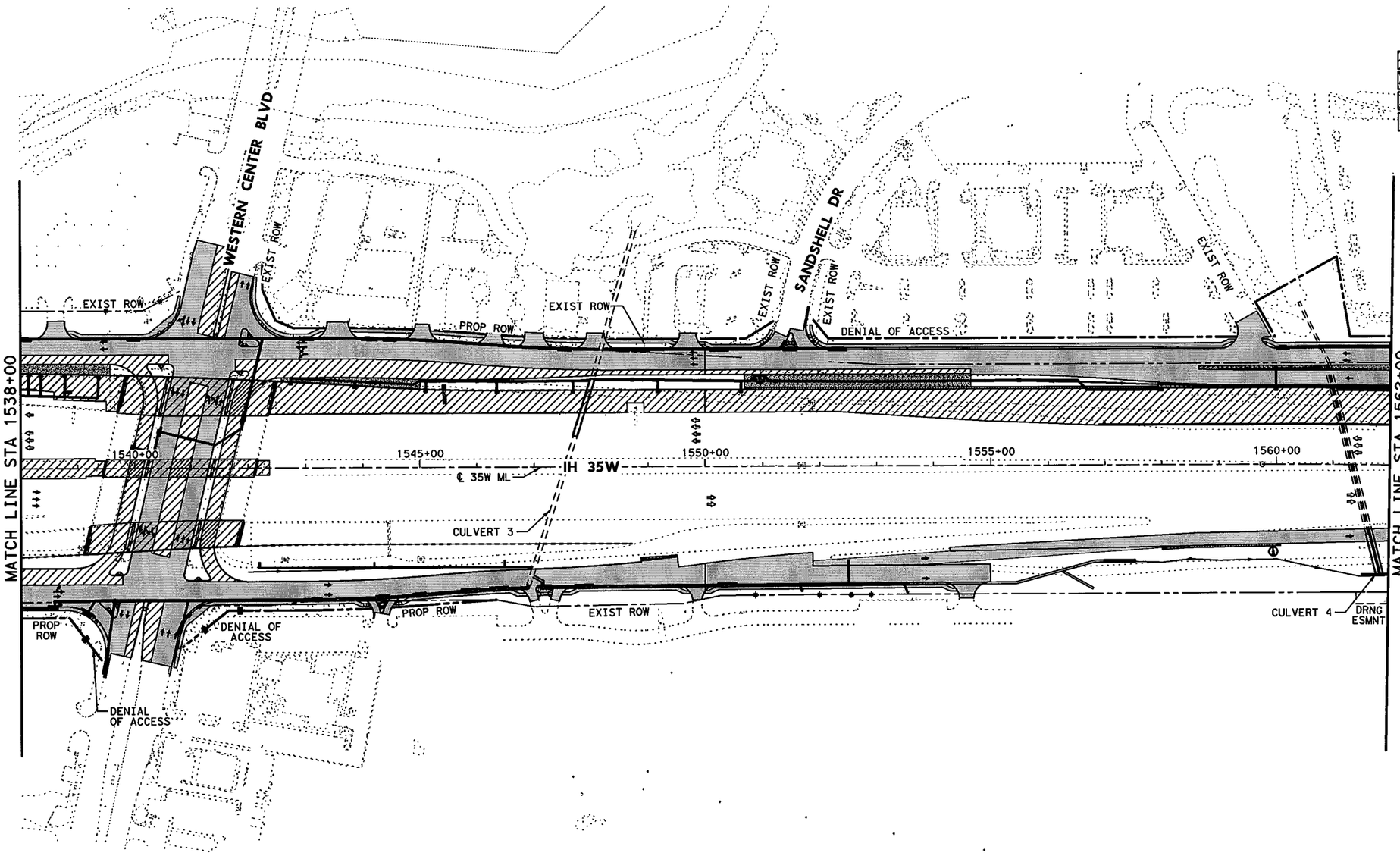
SCALE: 1" = 200'

SHEET 6 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 400 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL23_06.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/20/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 2 STEP 3

## STA 1538+00 TO STA 1562+00

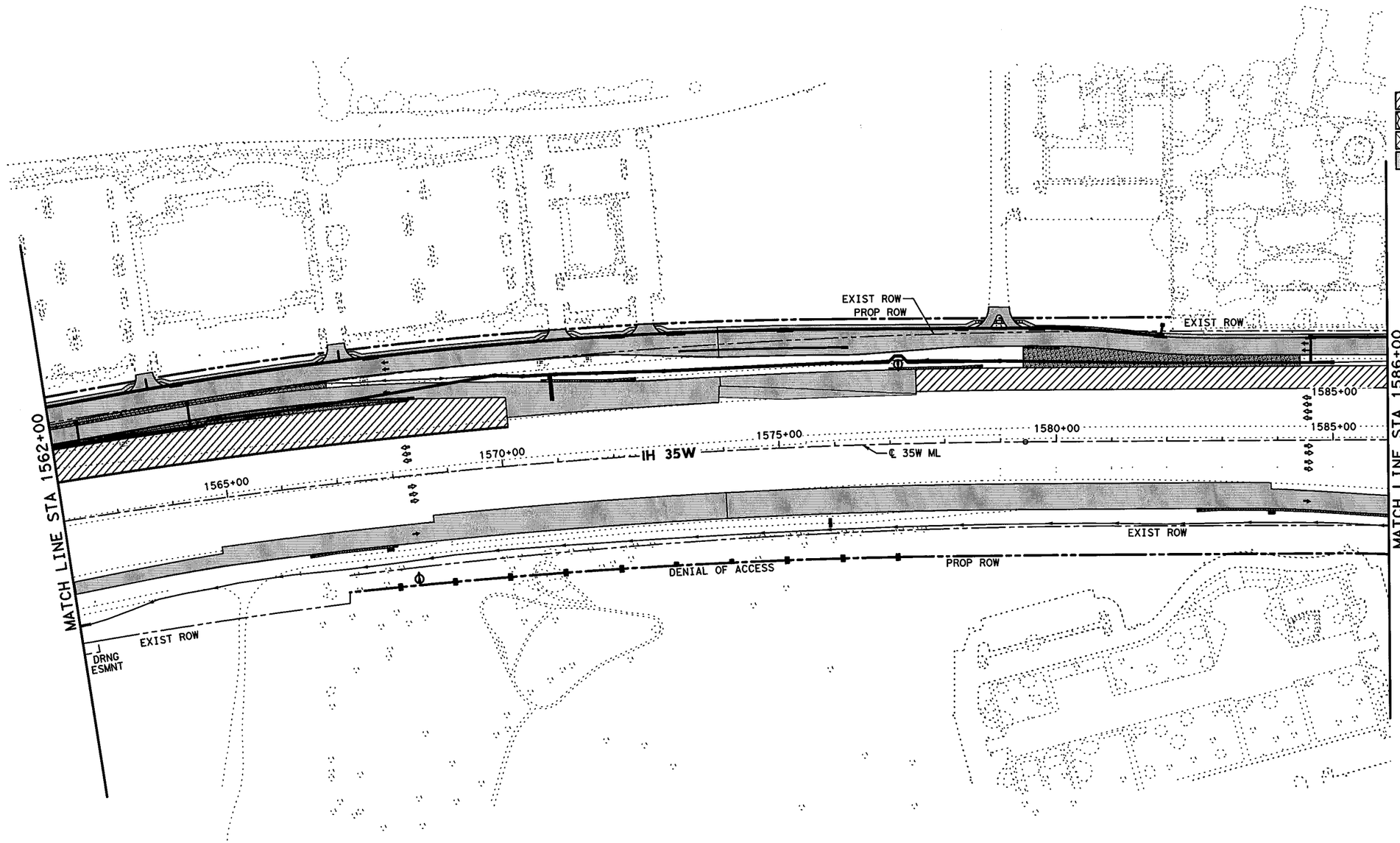
SCALE: 1" = 200'

SHEET 7 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 401 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL23_07.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 2 STEP 3

## STA 1562+00 TO STA 1586+00

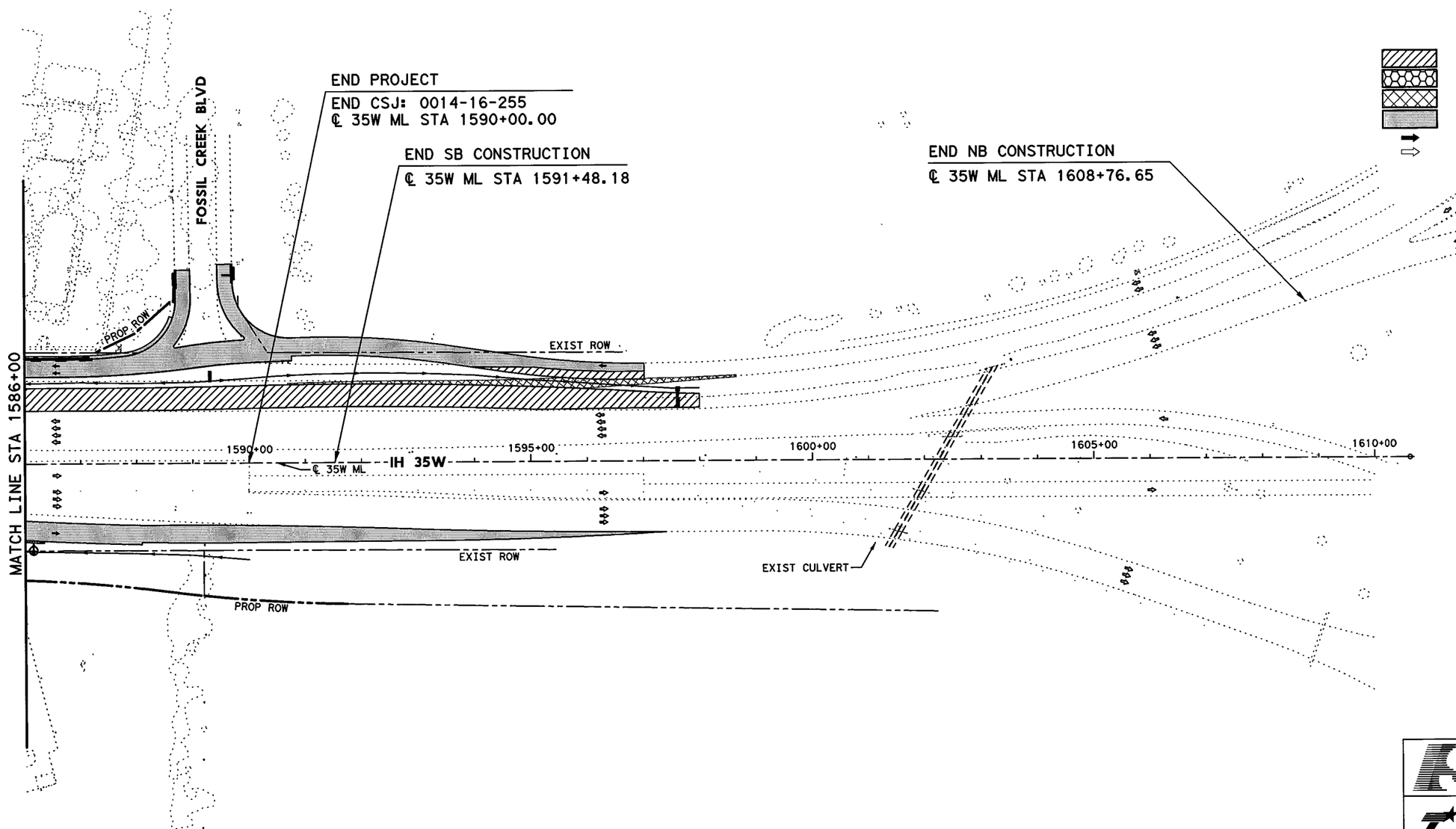
SCALE: 1" = 200'

SHEET 8 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 402 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCL23_08.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 2 STEP 3**

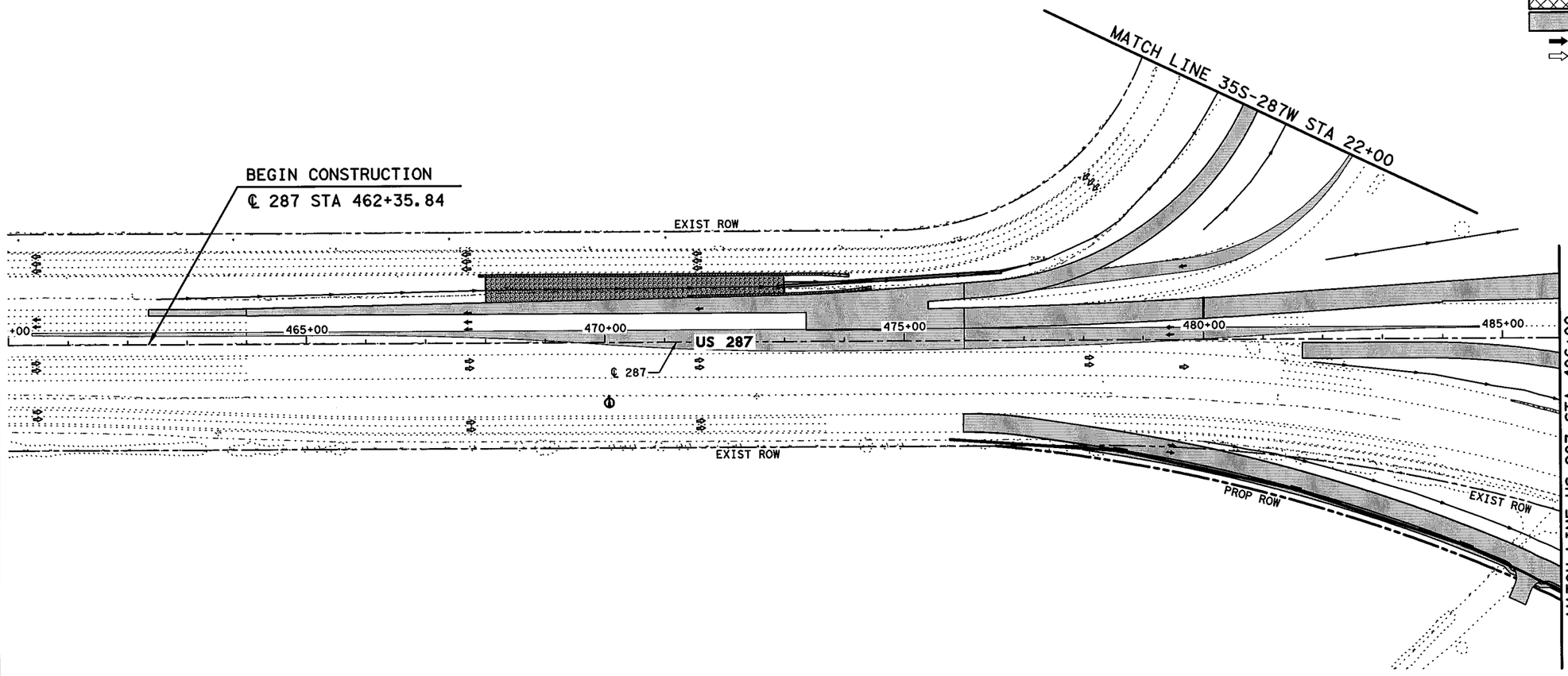
**STA 1586+00 TO END PROJECT**

SCALE: 1" = 200' SHEET 9 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 403 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL23_09.dgn

DRAWING DATE: 7/29/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 2 STEP 3

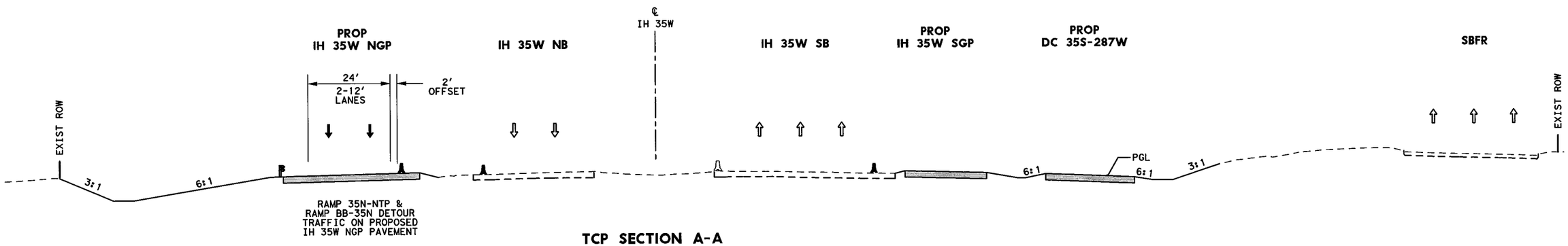
## STA 460+00 TO STA 486+00

SCALE: 1" = 200'

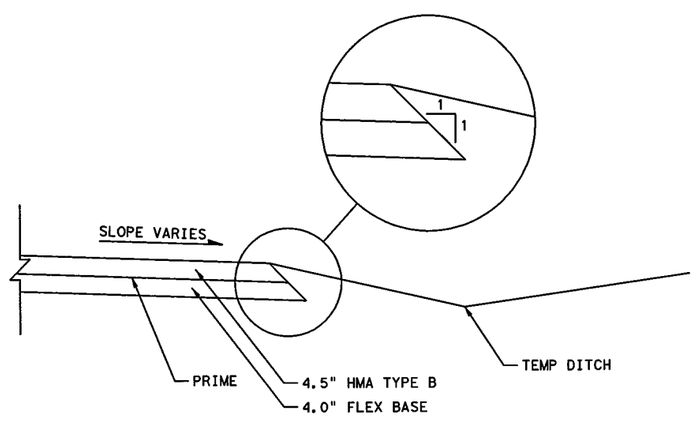
SHEET 10 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 404 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/29/2012 FILENAME: S3BTCL23_10.dgn




**TCP SECTION A-A**
**STA 1431+00**




**DETOUR & TEMP WIDENING**
**TYPICAL SECTION**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 2 STEP 3**

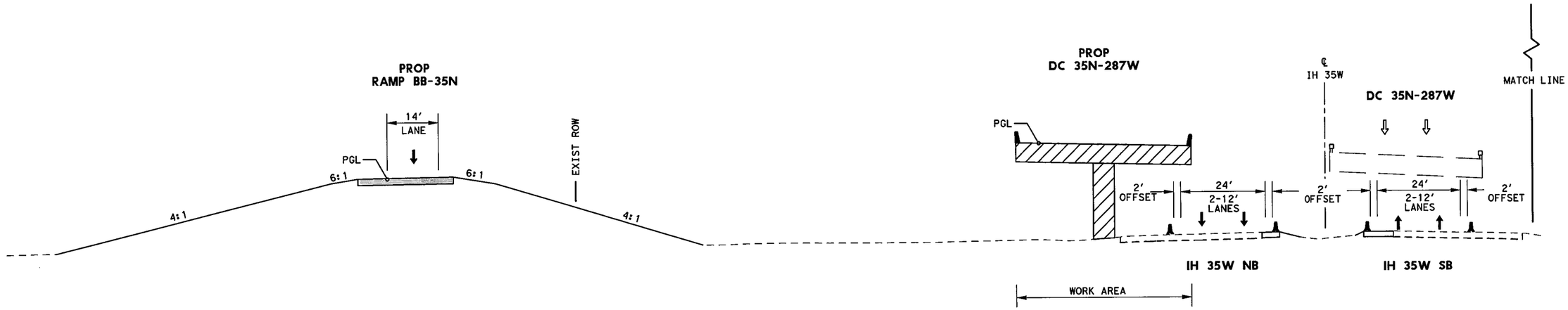
SCALE: NTS

SHEET 1 OF 4

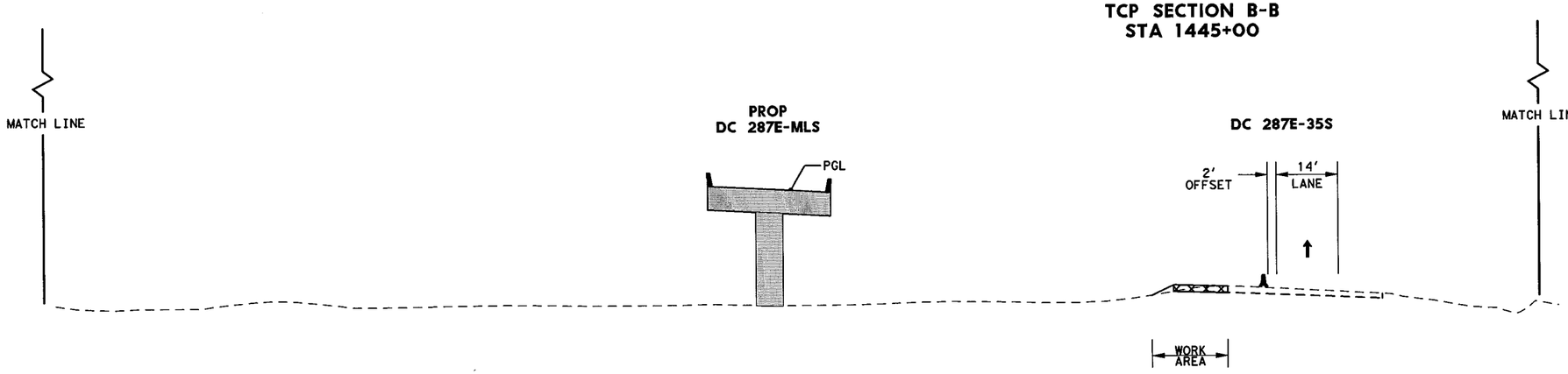
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 405 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

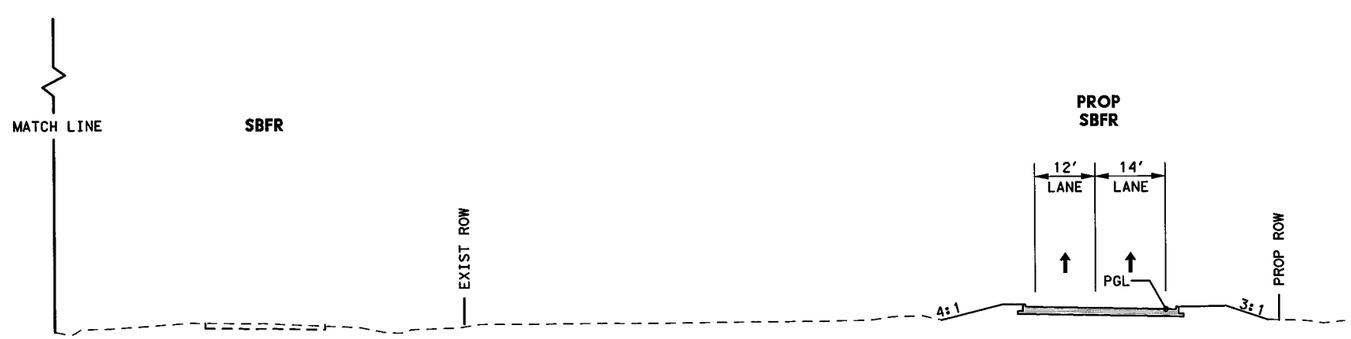
FILENAME: S3BTCT23_01.dgn

DRAWING DATE: 7/29/2012




TCP SECTION B-B
STA 1445+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

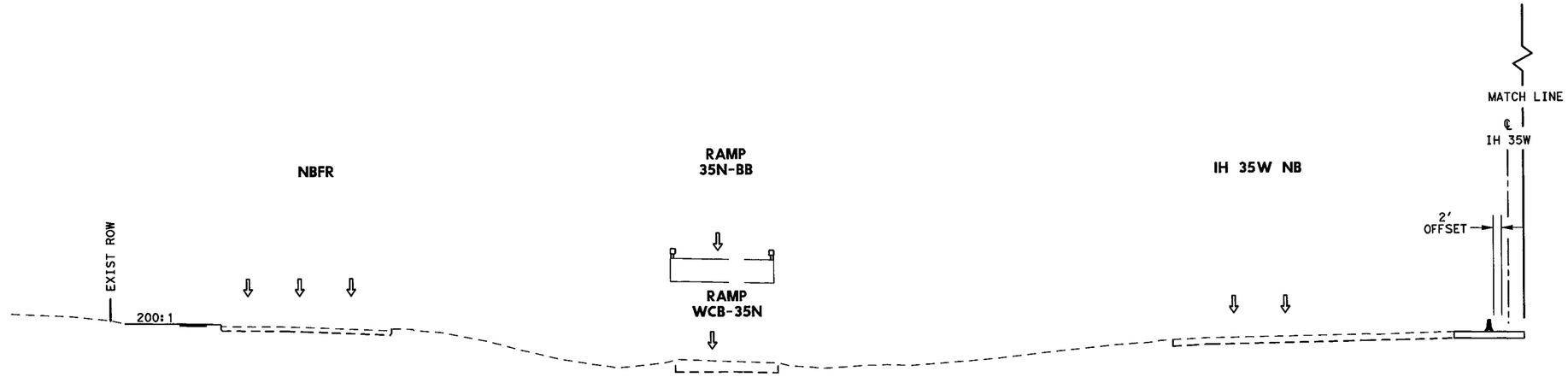
IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 2 STEP 3

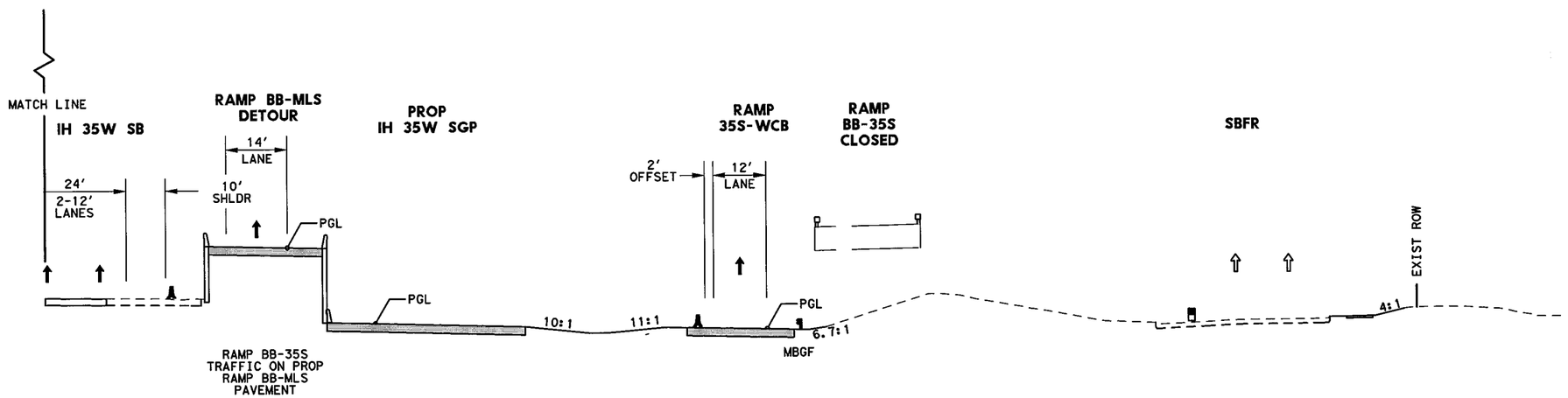
SCALE: NTS
SHEET 2 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 406 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCT23_02.dgn
DRAWING DATE: 7/29/2012




TCP SECTION C-C
STA 1525+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

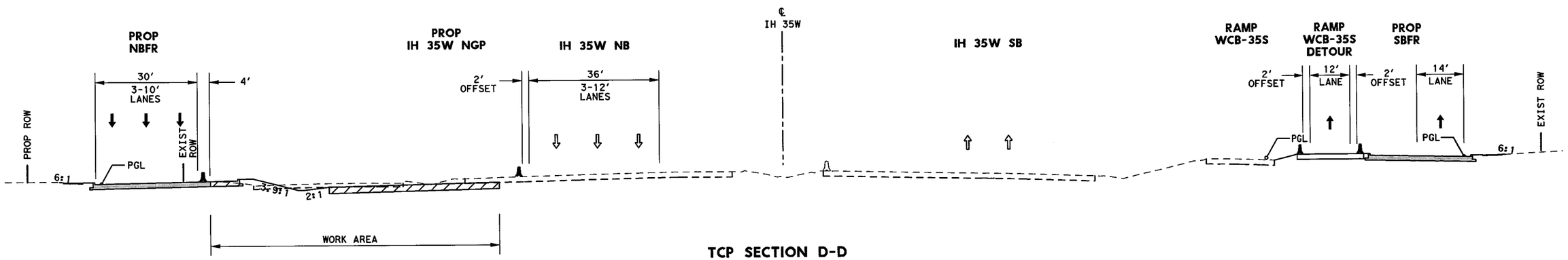
IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 2 STEP 3

SCALE: NTS
SHEET 3 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 407 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT23_03.dgn
DRAWING DATE: 7/29/2012




## TCP SECTION D-D
## STA 1554+00

### LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

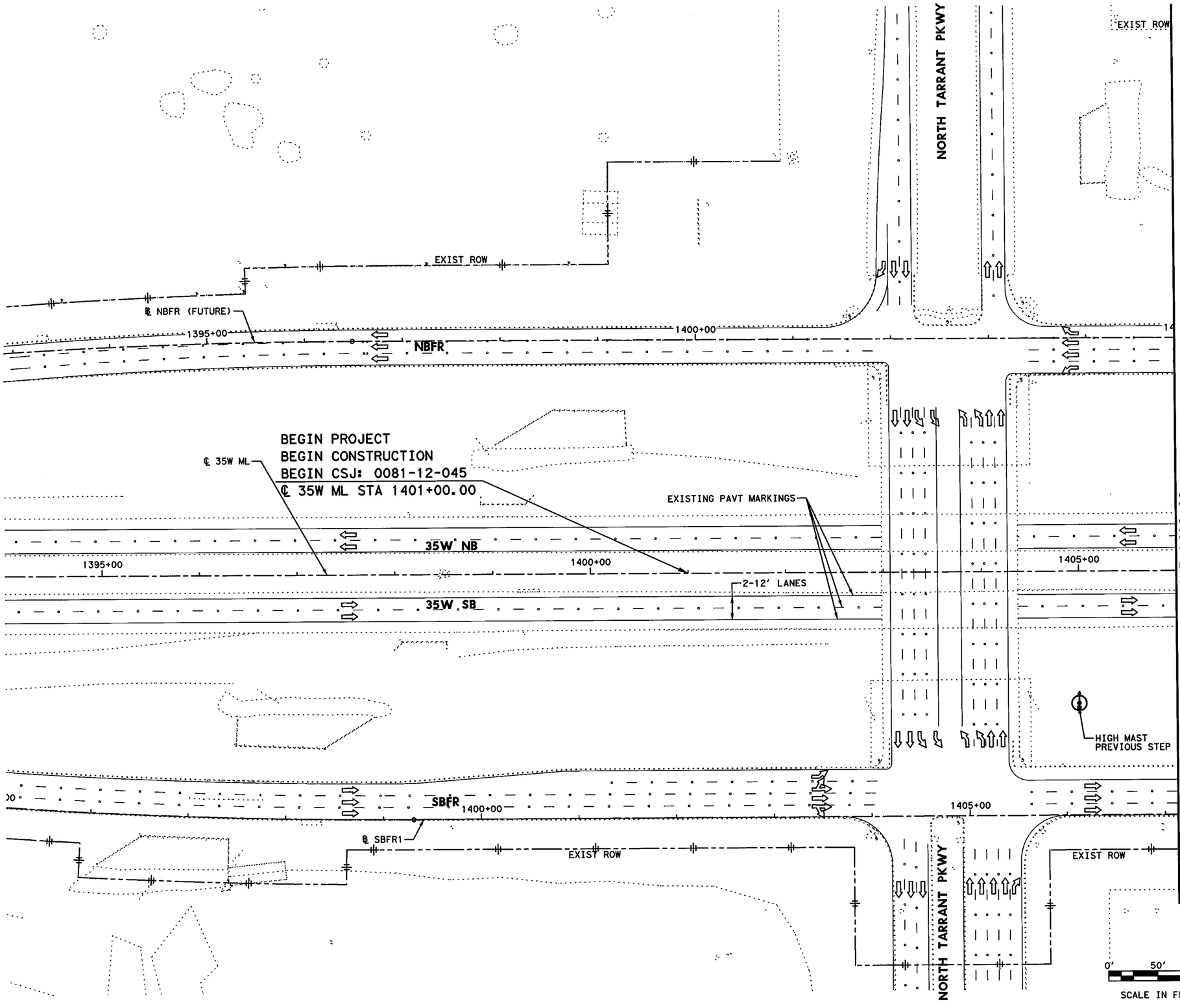
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 2 STEP 3**

SCALE: NTS — SHEET 4 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 408 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT23_04.dgn
DRAWING DATE: 7/29/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

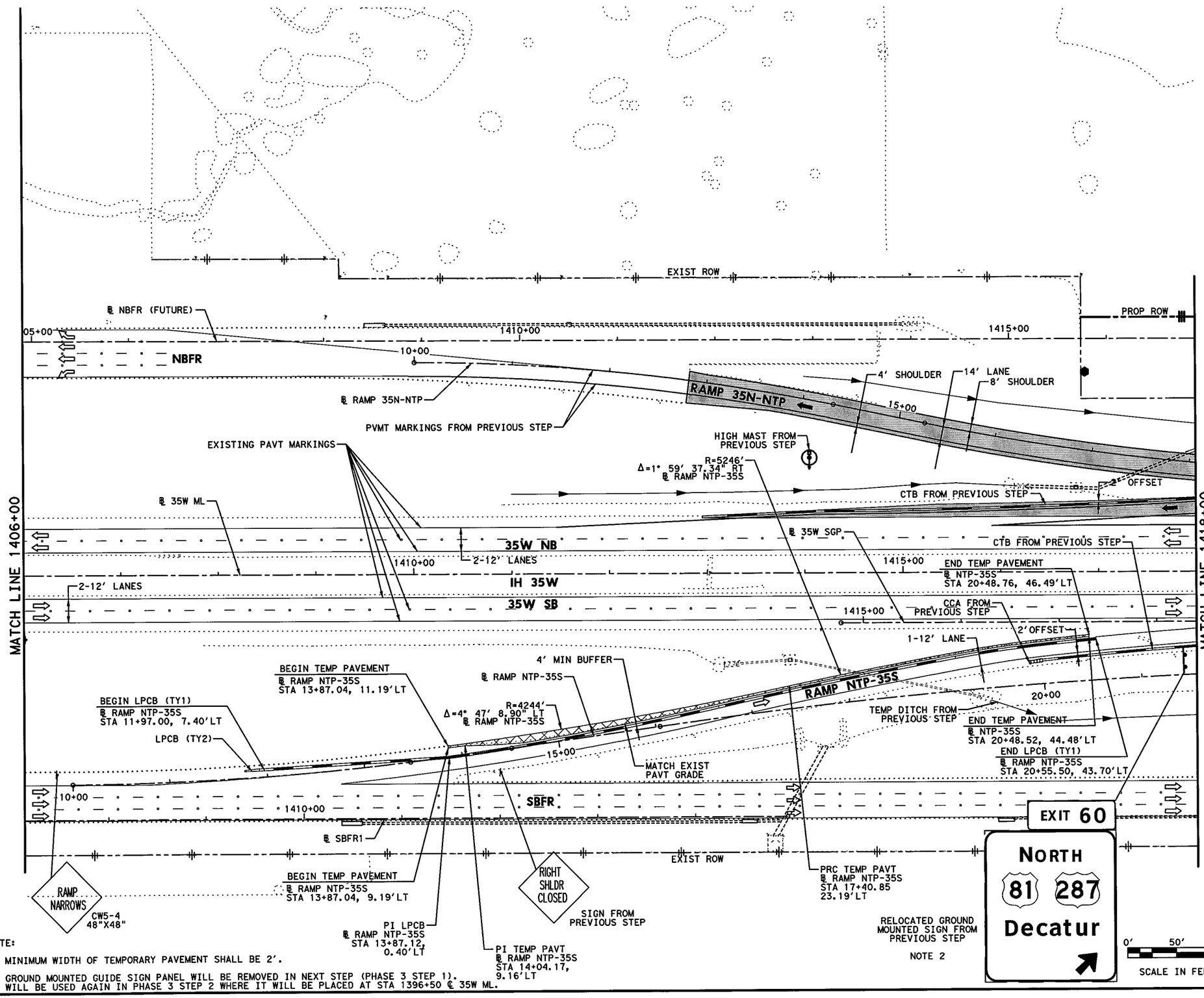
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

SCALE 1" = 100' SHEET 1 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 409 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP23_01.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
2. GROUND MOUNTED GUIDE SIGN PANEL WILL BE REMOVED IN NEXT STEP (PHASE 3 STEP 1). IT WILL BE USED AGAIN IN PHASE 3 STEP 2 WHERE IT WILL BE PLACED AT STA 1396+50 ℄ 35W ML.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

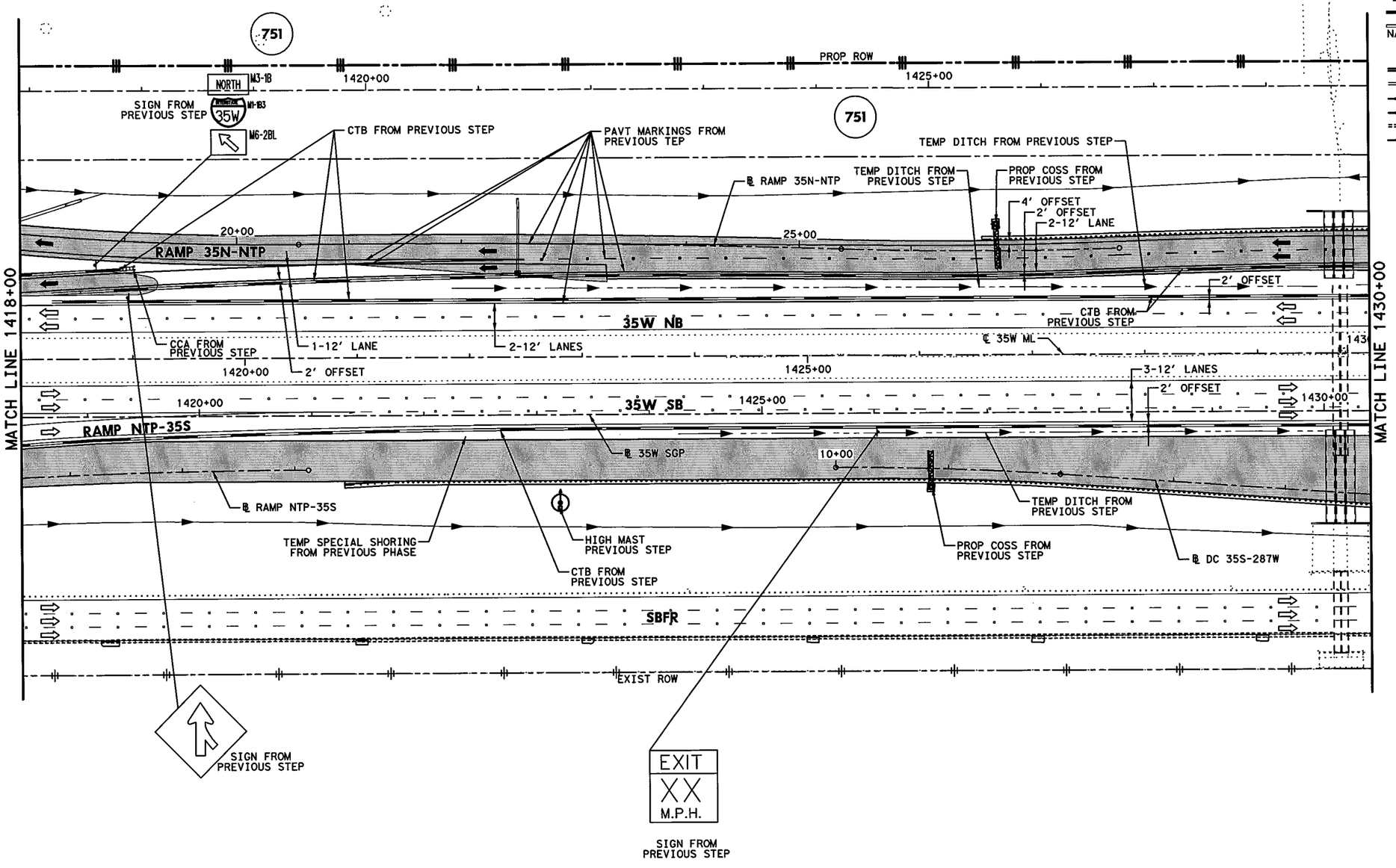
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 3

SCALE 1" = 100' SHEET 2 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 410 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP23_02.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

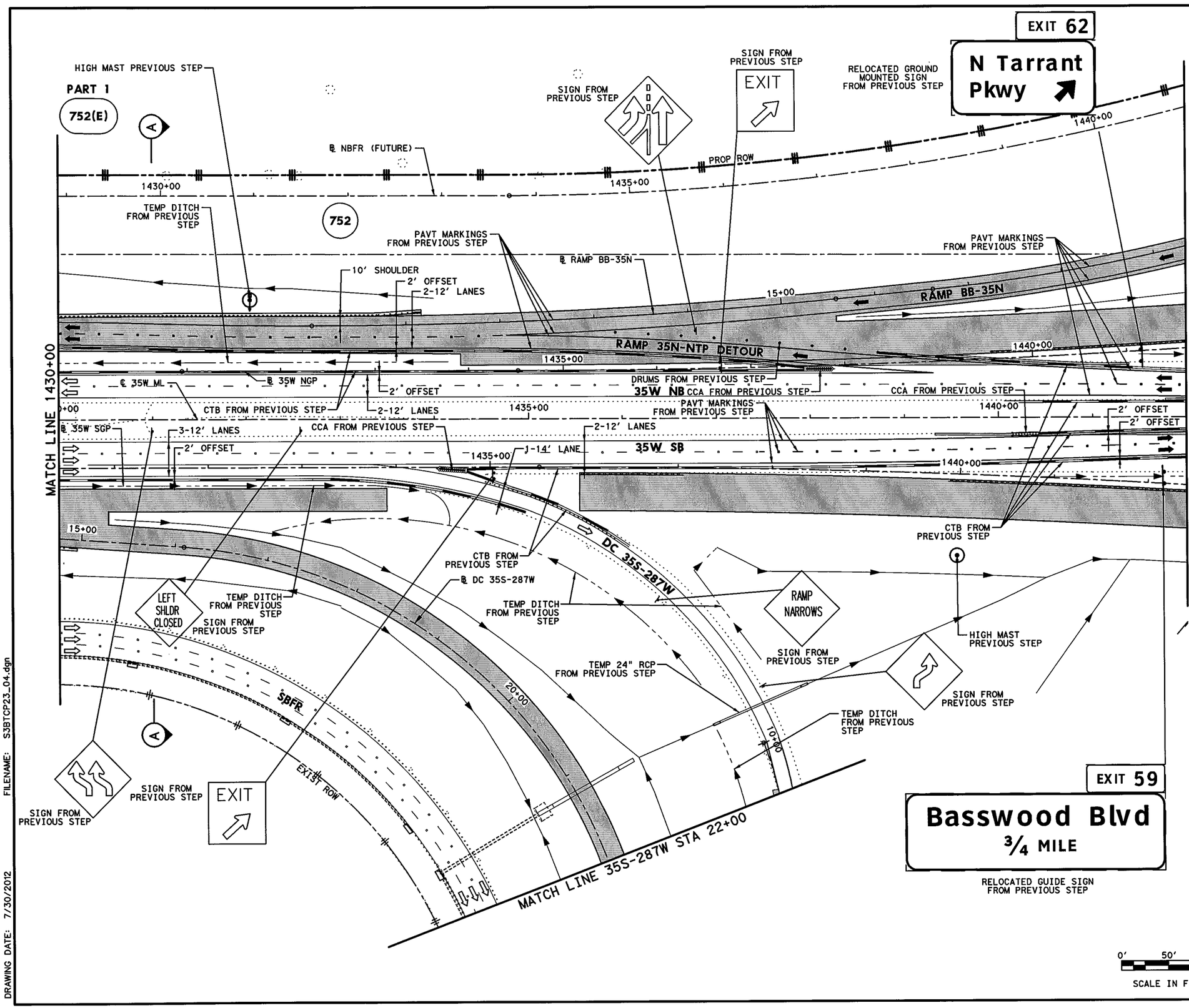
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

SCALE 1" = 100' SHEET 3 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 411 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP23_03.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

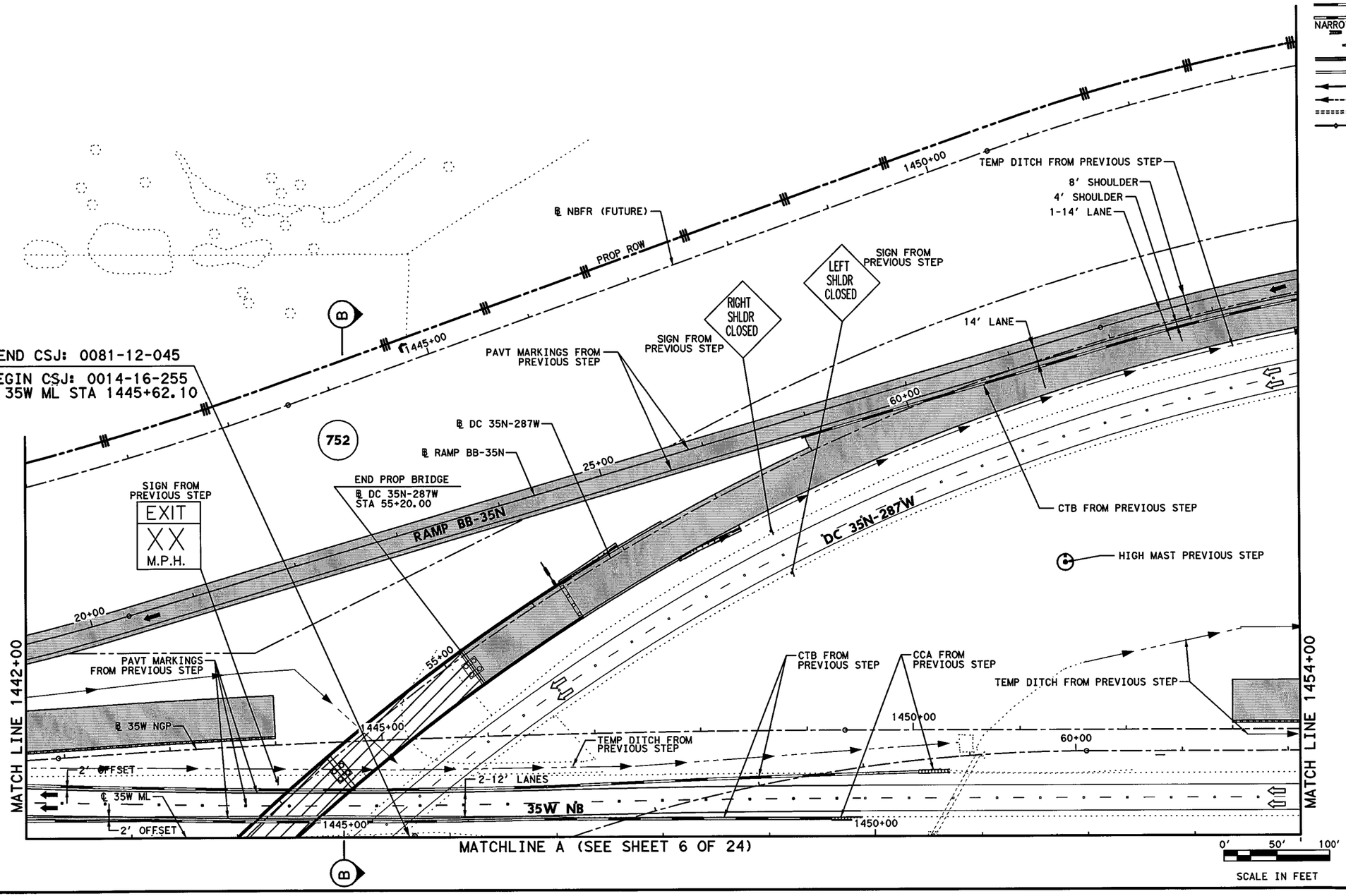
SCALE 1" = 100' SHEET 4 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 412 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP23_04.dgn
DRAWING DATE: 7/30/2012

NOTES:

1. WHEN CONDUCTING DC 35N-287W BRIDGE BEAM HANGING OPERATION OVER IH 35W NB MAINLANES, REFER TO PHASE 2 STEP 3B.
2. WHEN CONDUCTING DC 35N-287W BRIDGE BEAM HANGING OPERATION OVER IH 35W SB MAINLANES, REFER TO OFF-SITE DETOUR SHEET FOR MORE DETAILS.




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

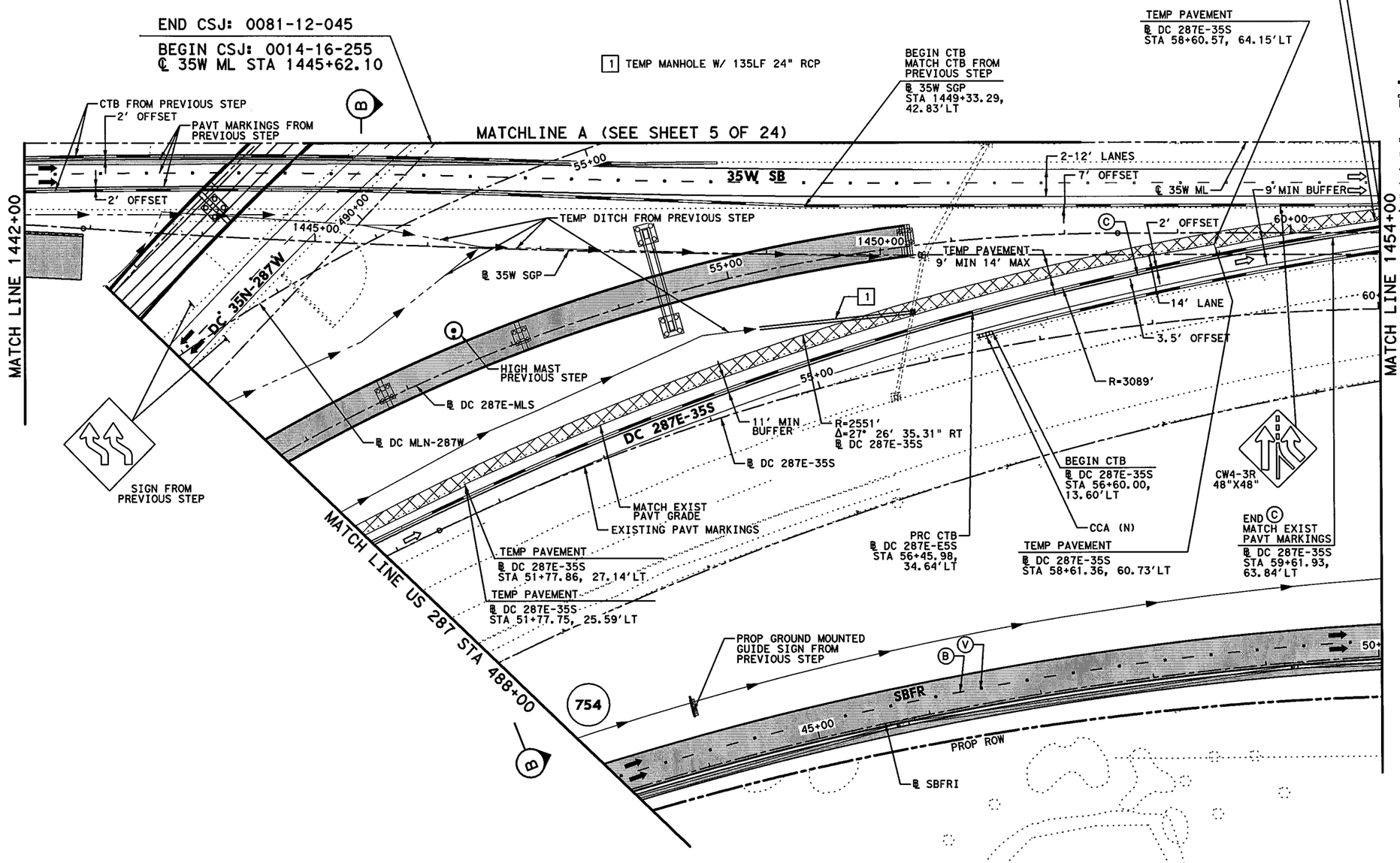
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

SCALE 1" = 100' SHEET 5 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 413 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP23_05.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

NOTES:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
2. WHEN CONDUCTING DC 35N-287W BRIDGE BEAM HANGING OPERATION OVER IH 35W NB MAINLANES, REFER TO PHASE 2 STEP 3B.
3. WHEN CONDUCTING DC 35N-287W BRIDGE BEAM HANGING OPERATION OVER IH 35W SB MAINLANES, REFER TO OFF-SITE DETOUR SHEET FOR MORE DETAILS.

0' 50' 100'
SCALE IN FEET

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

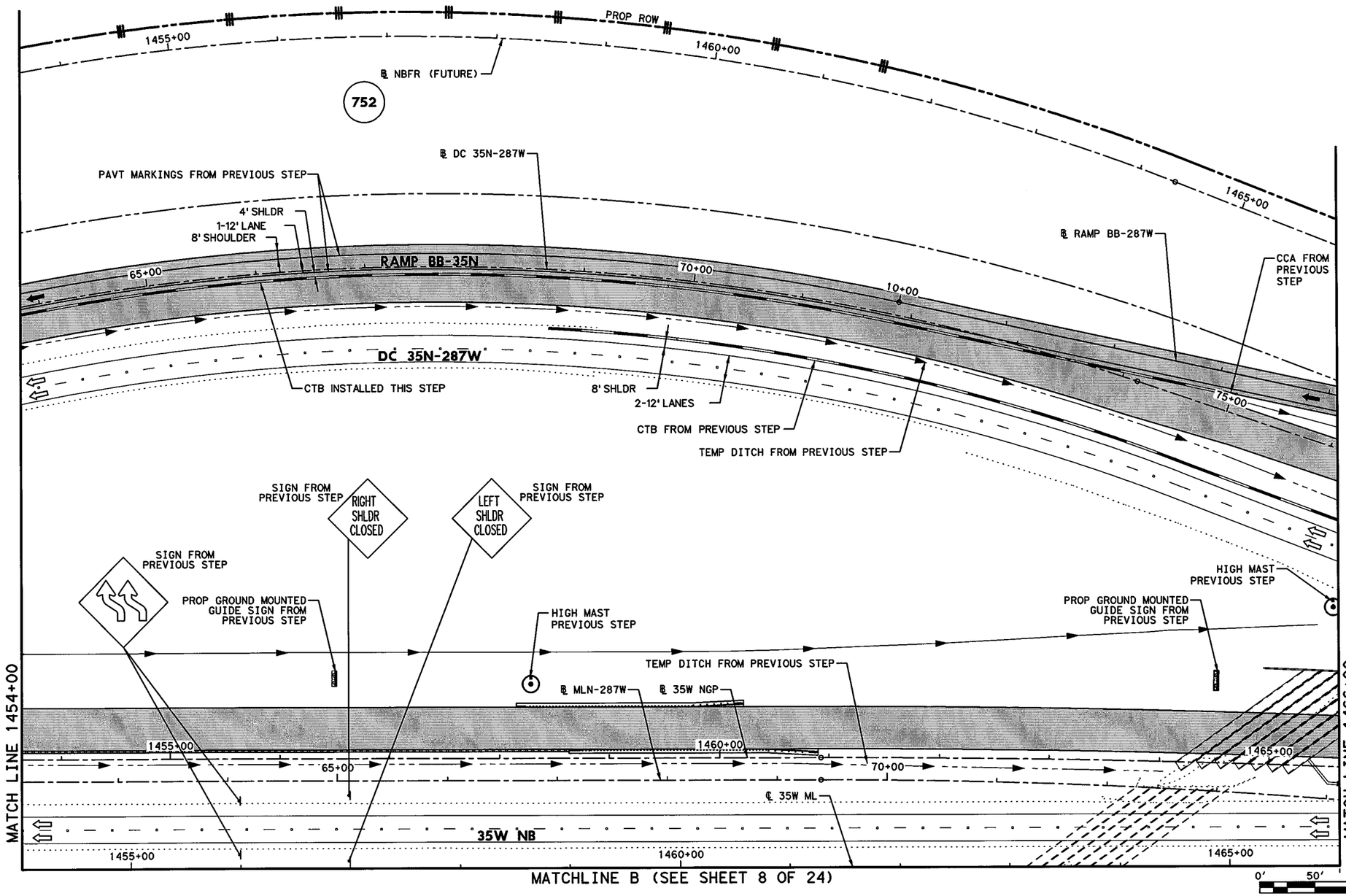
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

SCALE 1" = 100' SHEET 6 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK PJF | CONTROL | SECTION | JOB | 414 |
| CHECK SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP23_06.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 3

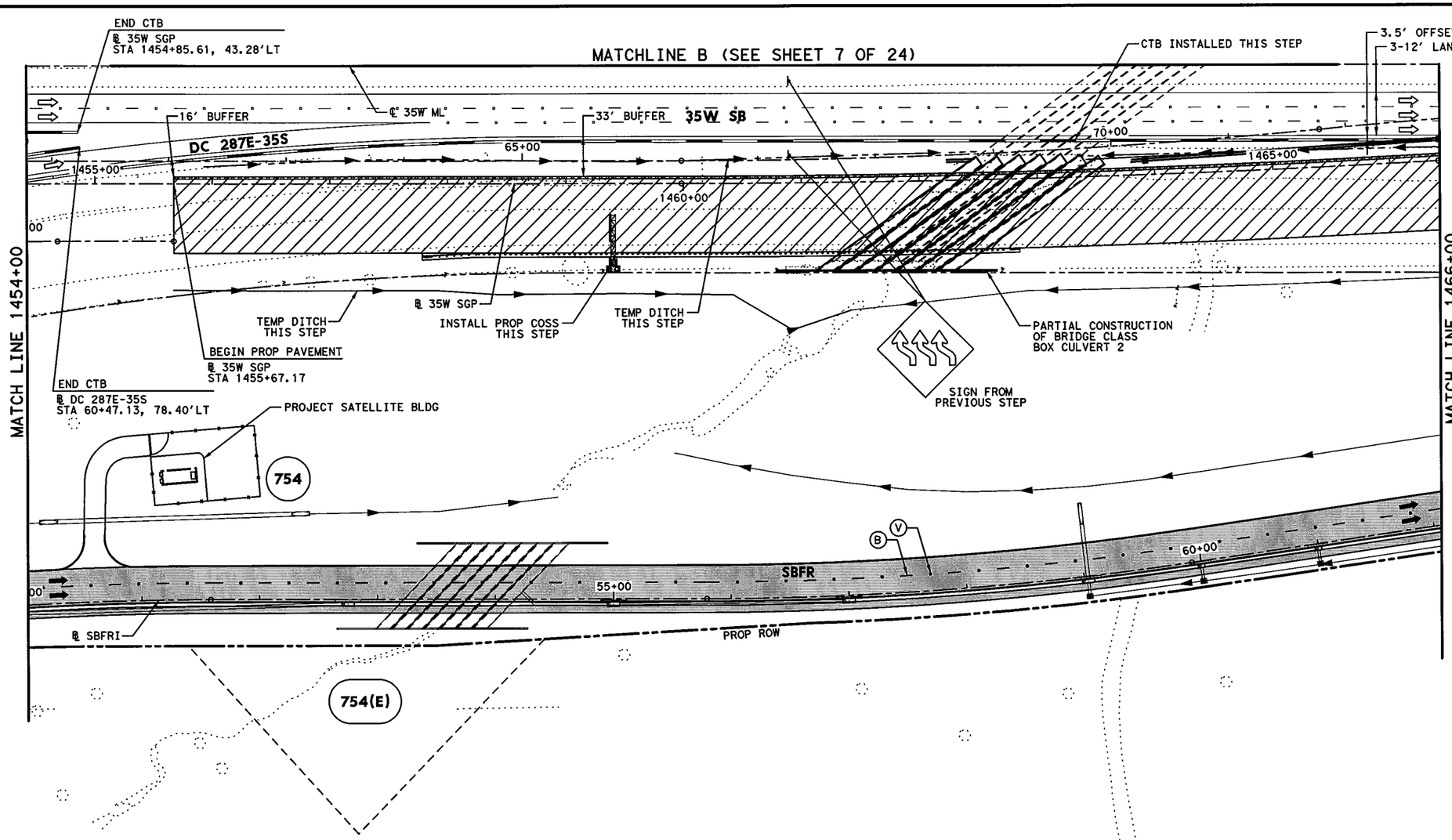
SCALE 1" = 100'

SHEET 7 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 415 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP23_07.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

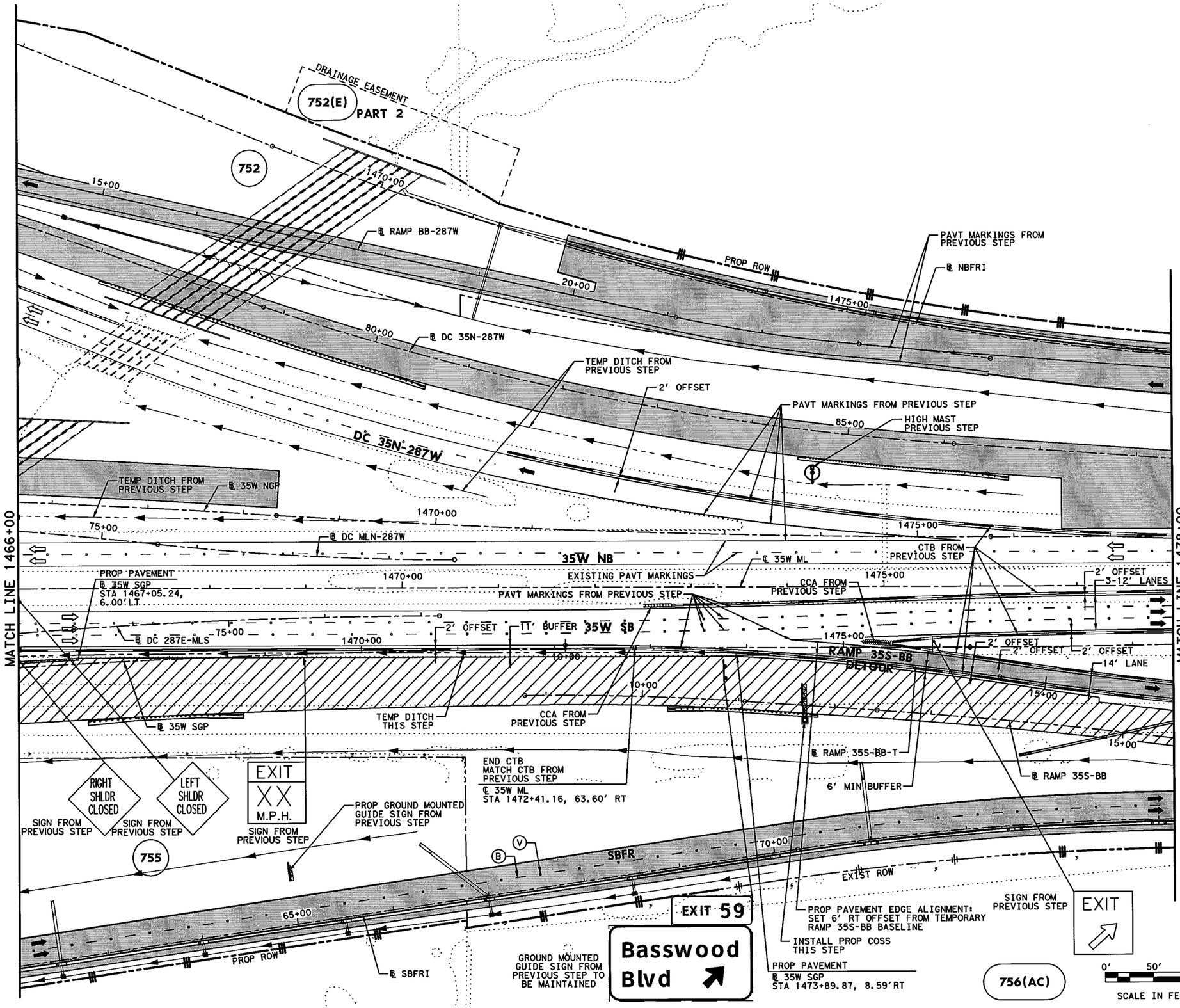
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

SCALE 1" = 100' SHEET 8 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 416 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP23_08.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

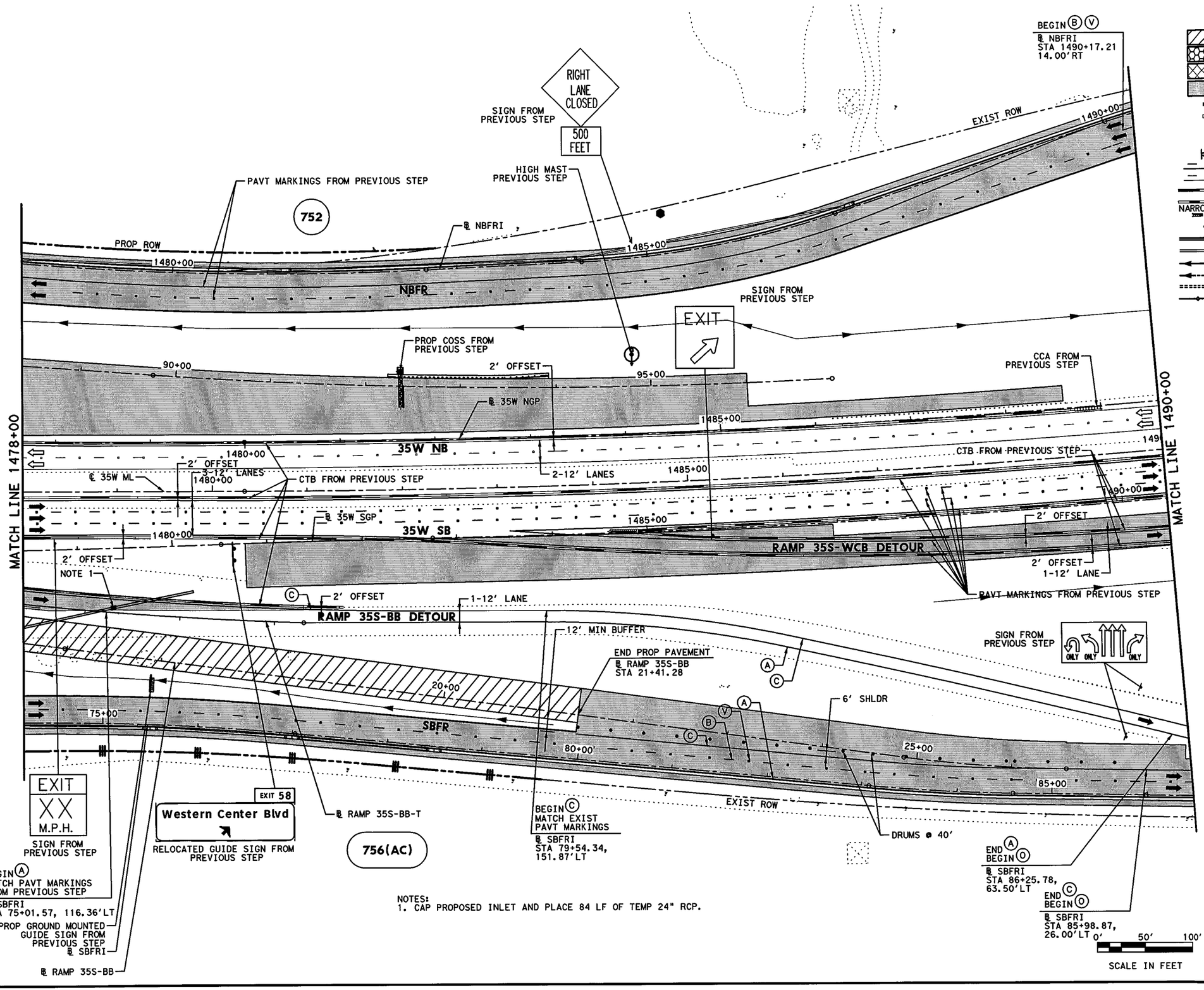
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 3

SCALE 1" = 100' SHEET 9 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 417 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP23_09.dgn
DRAWING DATE: 7/30/2012




NOTES:
1. CAP PROPOSED INLET AND PLACE 84 LF OF TEMP 24" RCP.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

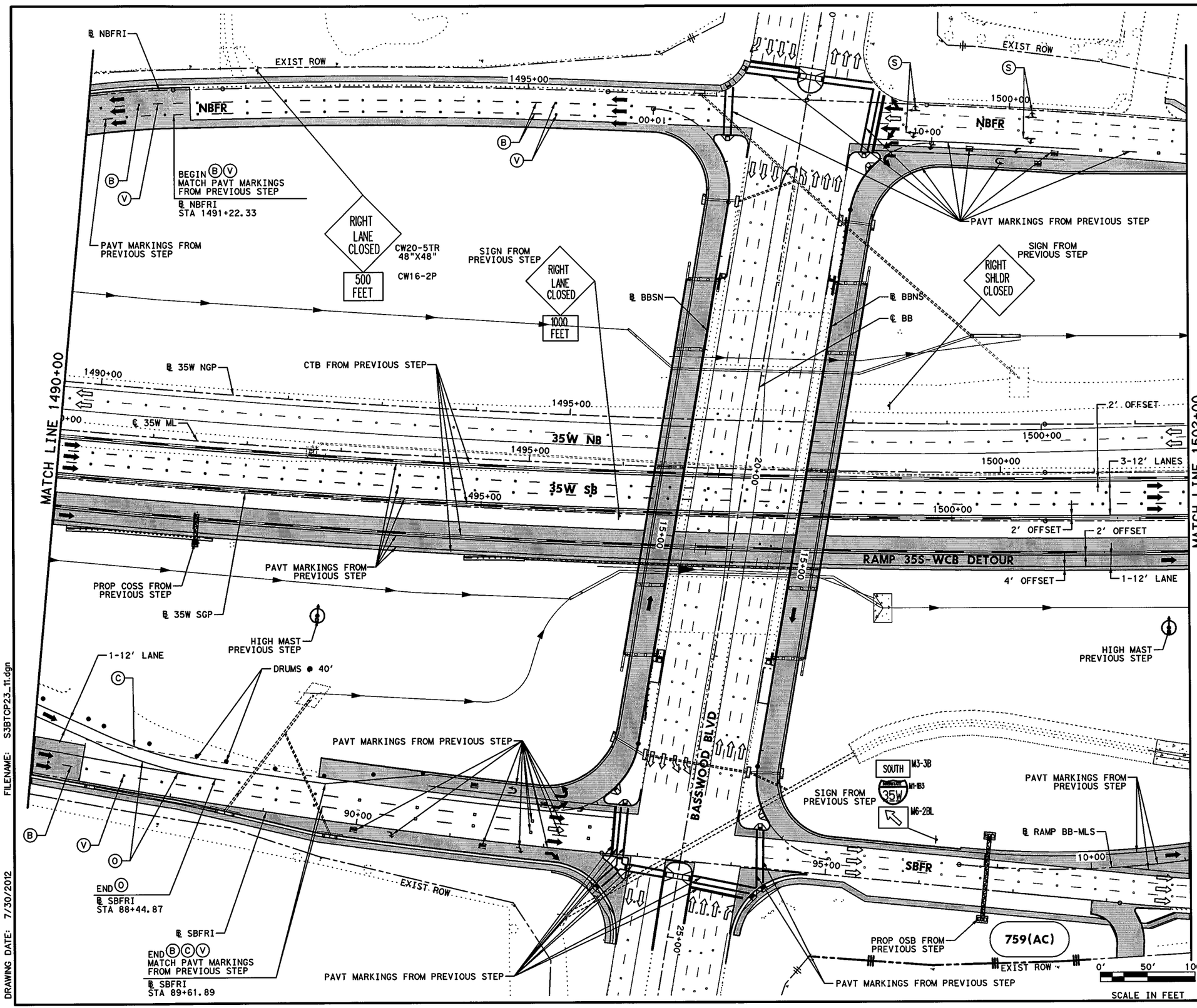
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

SCALE 1" = 100' SHEET 10 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 418 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP23_10.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

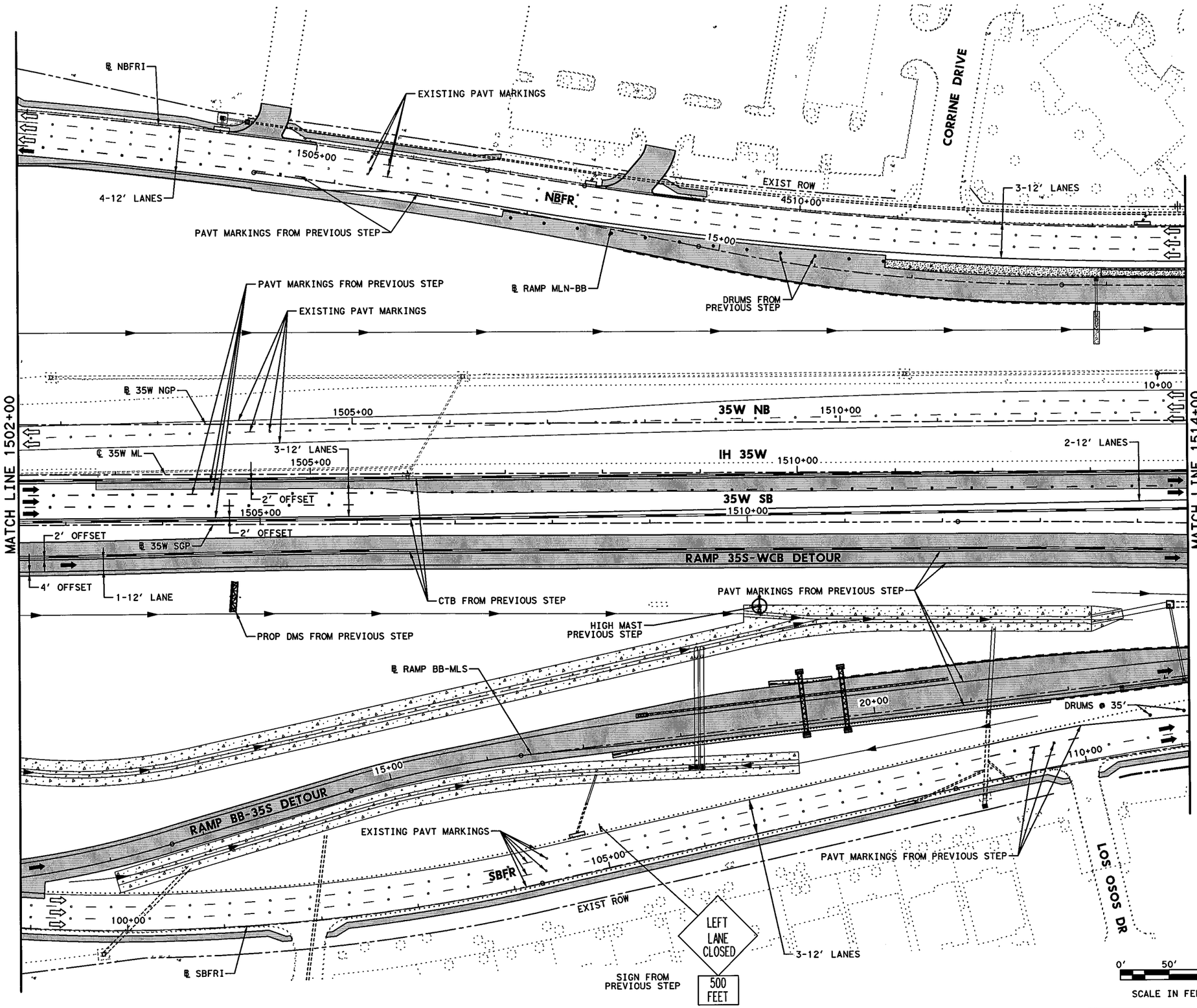
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 3

SCALE 1" = 100' — SHEET 11 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 419 |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP23_11.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

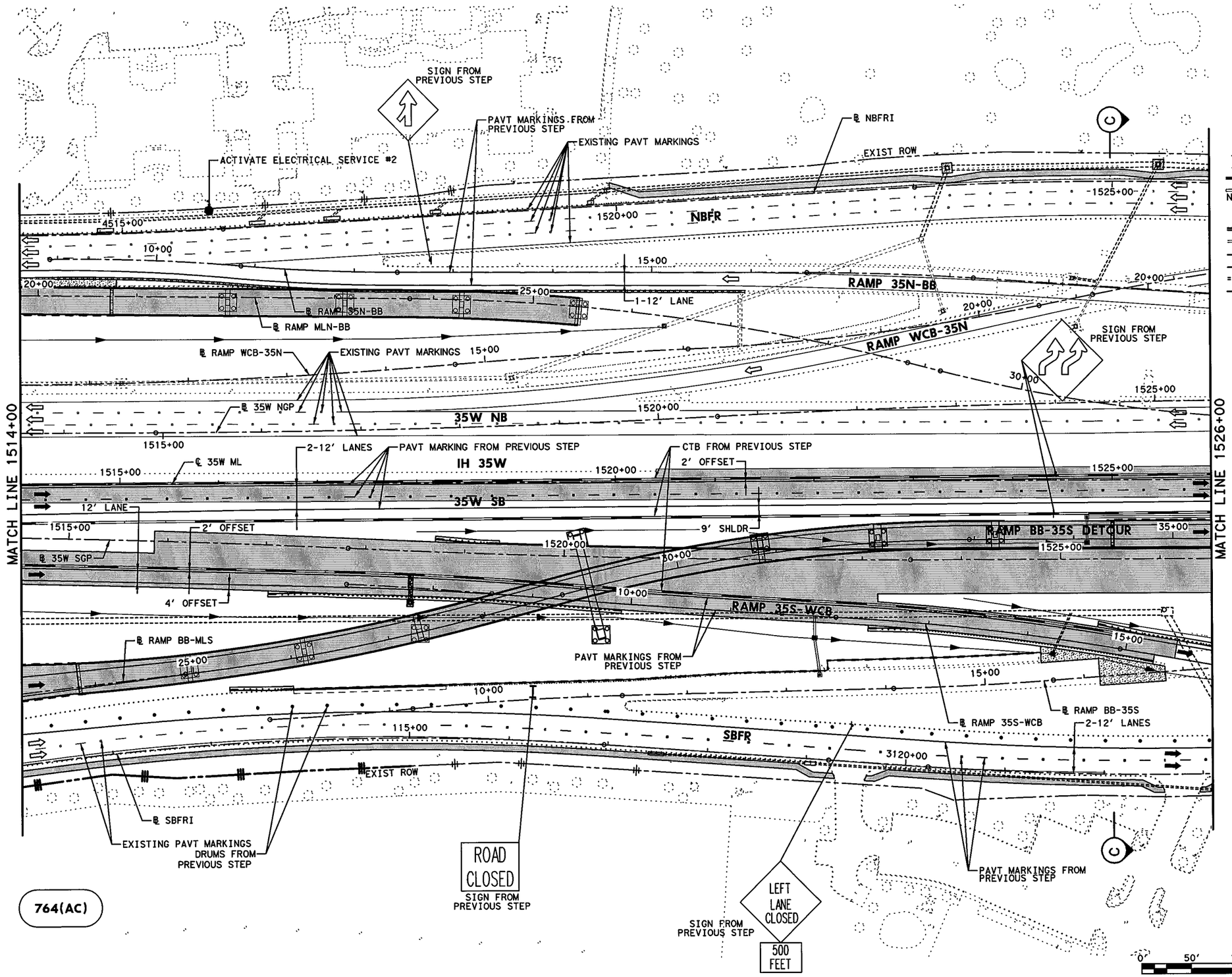
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 3

SCALE 1" = 100' SHEET 12 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 420 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP23_12.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

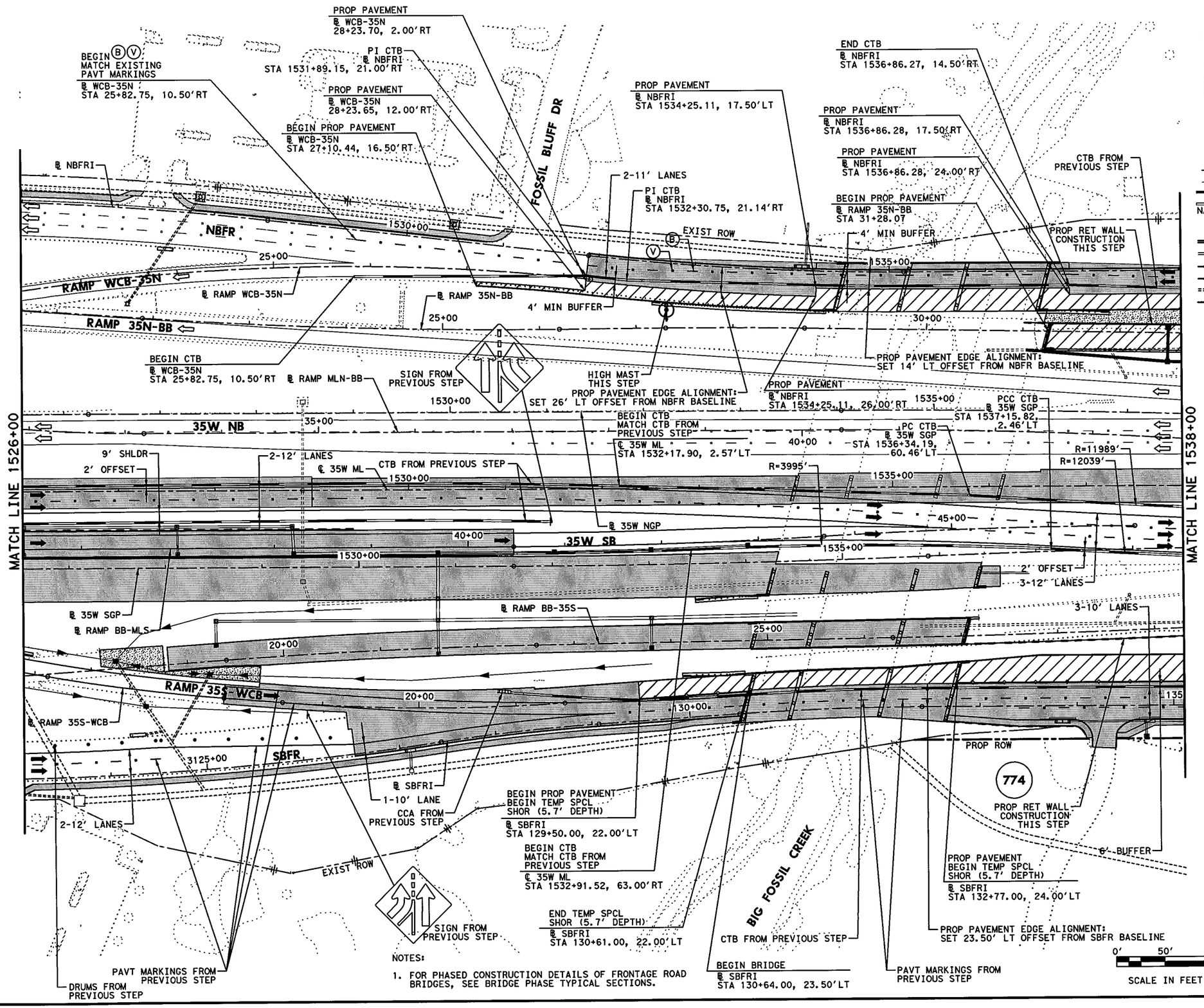
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
## PHASE 2 STEP 3

SCALE 1" = 100' SHEET 13 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 421 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP23_13.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. FOR PHASED CONSTRUCTION DETAILS OF FRONTAGE ROAD BRIDGES, SEE BRIDGE PHASE TYPICAL SECTIONS.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

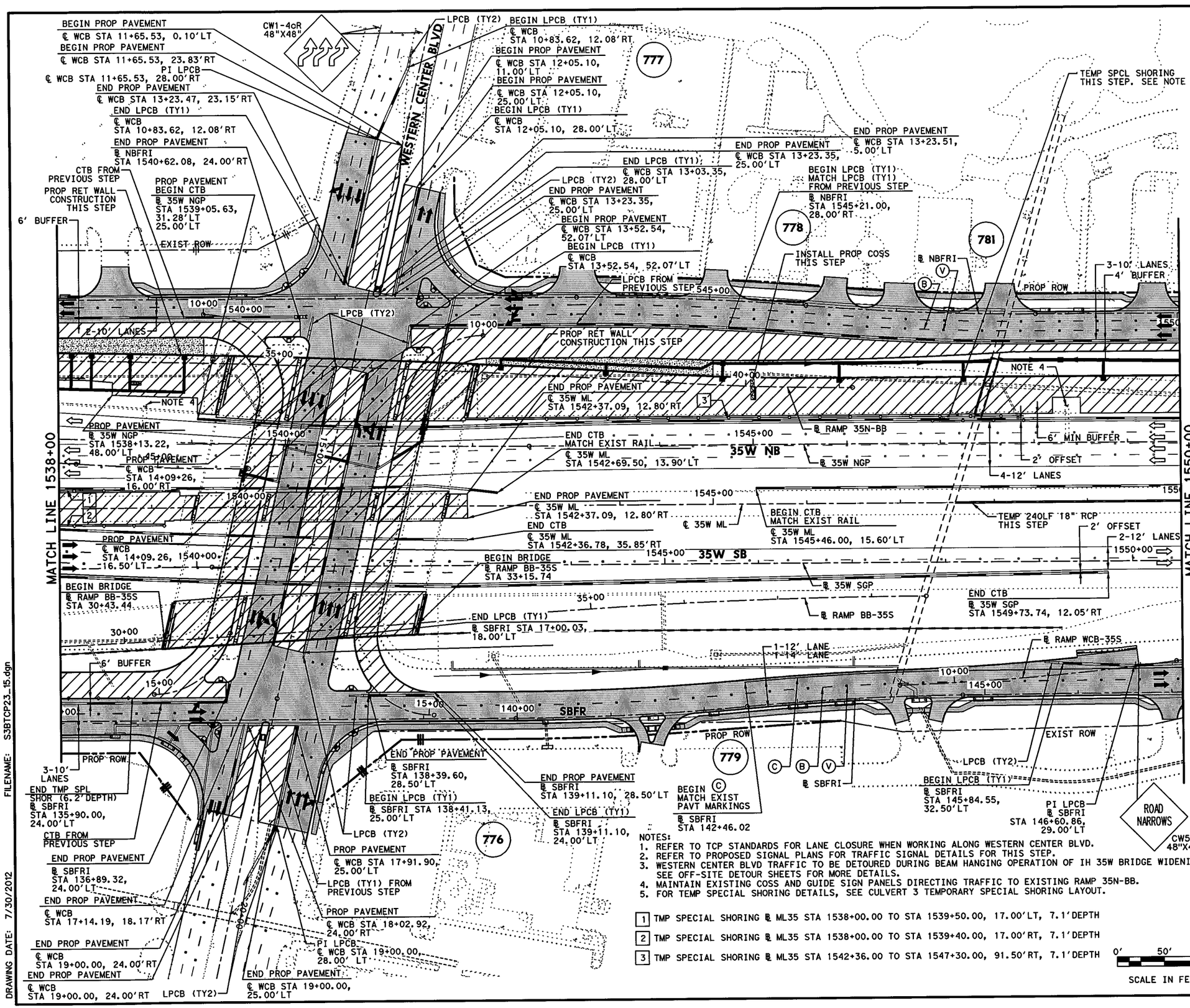
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

SCALE 1" = 100' — SHEET 14 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 422 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP23_14.dgn
DRAWING DATE: 7/30/2012




NOTES:
1. REFER TO TCP STANDARDS FOR LANE CLOSURE WHEN WORKING ALONG WESTERN CENTER BLVD.
2. REFER TO PROPOSED SIGNAL PLANS FOR TRAFFIC SIGNAL DETAILS FOR THIS STEP.
3. WESTERN CENTER BLVD TRAFFIC TO BE DETOURED DURING BEAM HANGING OPERATION OF IH 35W BRIDGE WIDENING. SEE OFF-SITE DETOUR SHEETS FOR MORE DETAILS.
4. MAINTAIN EXISTING COSS AND GUIDE SIGN PANELS DIRECTING TRAFFIC TO EXISTING RAMP 35N-BB.
5. FOR TEMP SPECIAL SHORING DETAILS, SEE CULVERT 3 TEMPORARY SPECIAL SHORING LAYOUT.

1 TMP SPECIAL SHORING ℄ ML35 STA 1538+00.00 TO STA 1539+50.00, 17.00'LT, 7.1'DEPTH

2 TMP SPECIAL SHORING ℄ ML35 STA 1538+00.00 TO STA 1539+40.00, 17.00'RT, 7.1'DEPTH

3 TMP SPECIAL SHORING ℄ ML35 STA 1542+36.00 TO STA 1547+30.00, 91.50'RT, 7.1'DEPTH

0' 50' 100'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

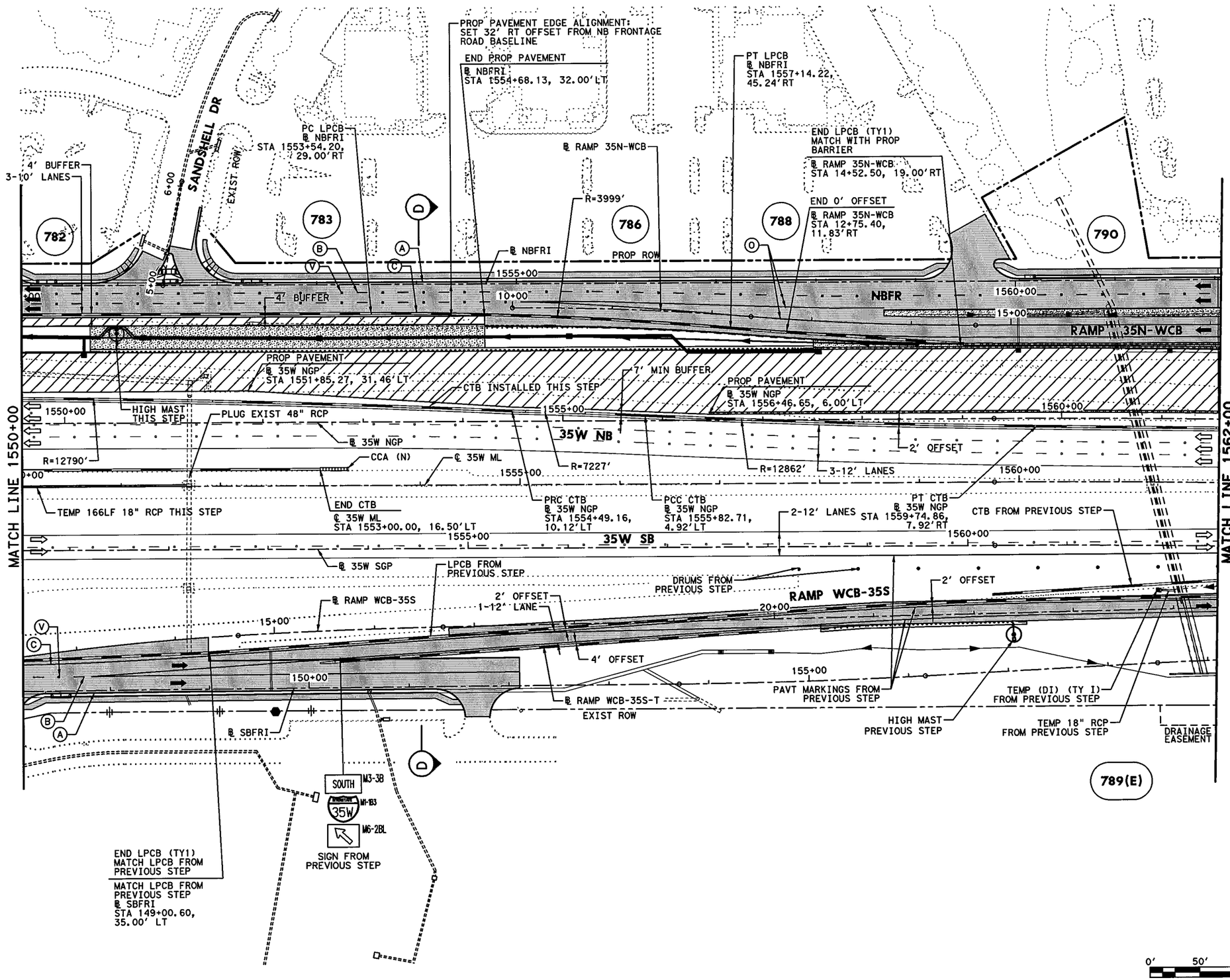
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 3

SCALE 1" = 100' SHEET 15 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 423 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP23_15.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

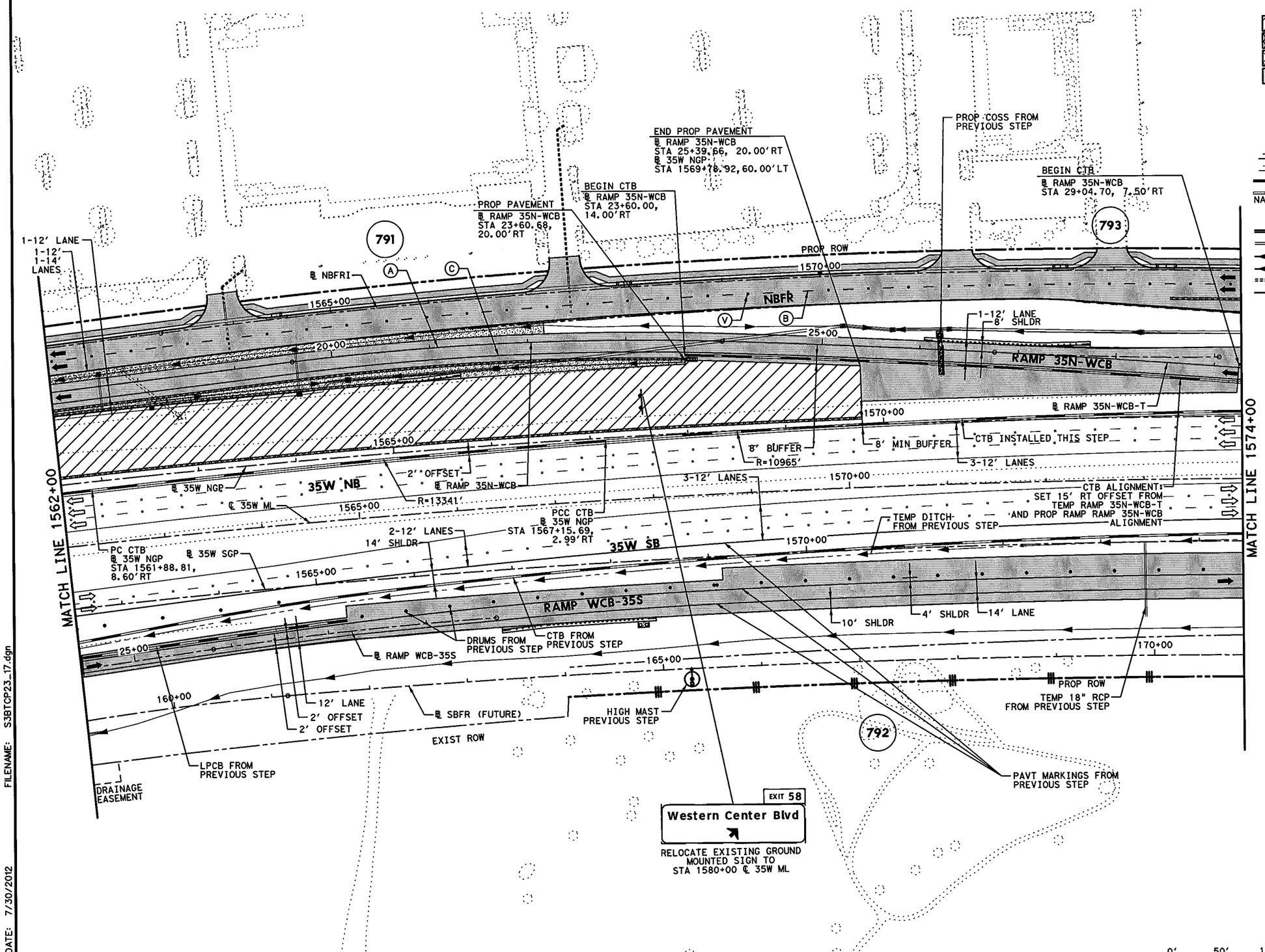
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

SCALE 1" = 100'
SHEET 16 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 424 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP23_16.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

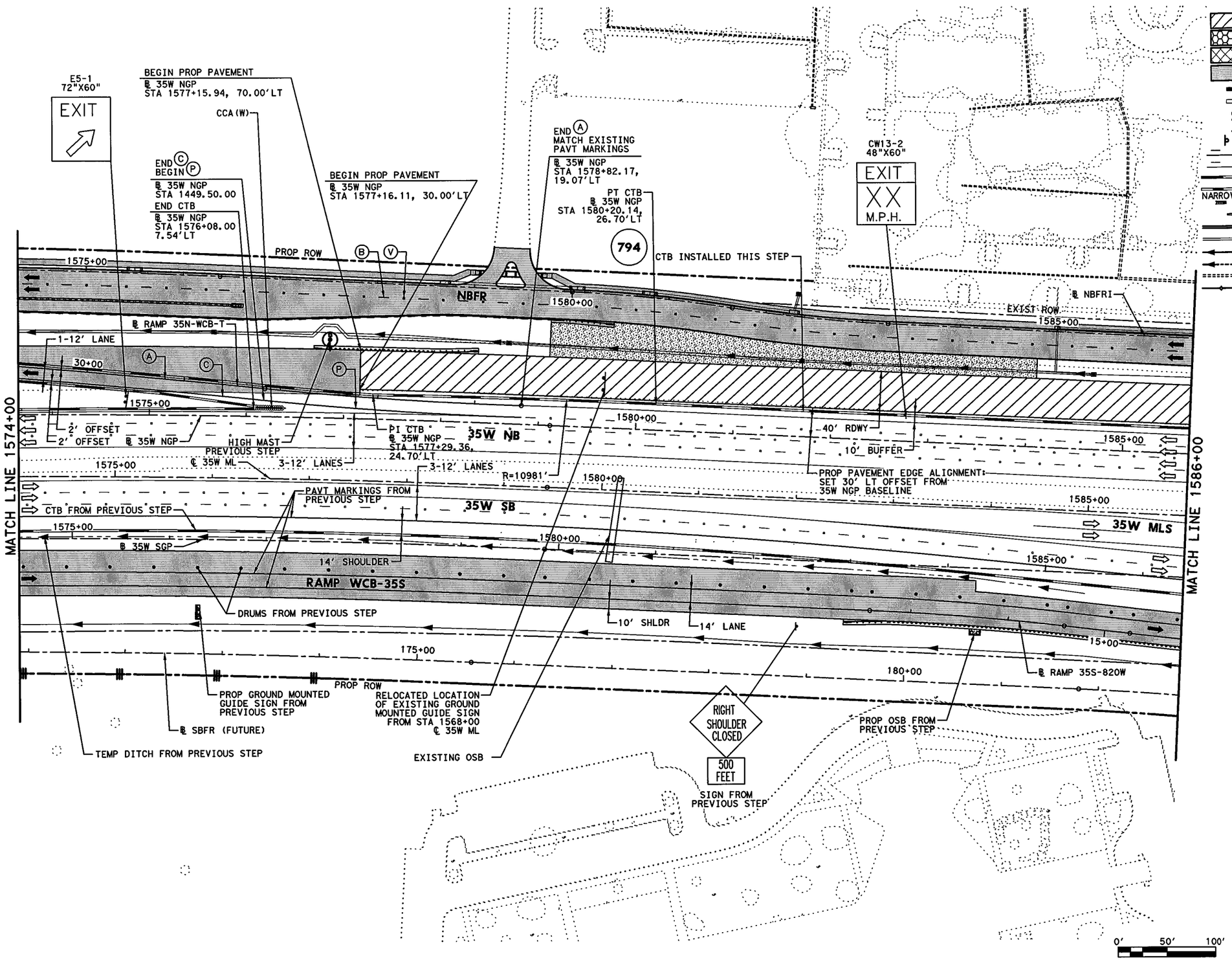
# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 3

SCALE 1" = 100'

SHEET 17 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 425 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP23_17.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

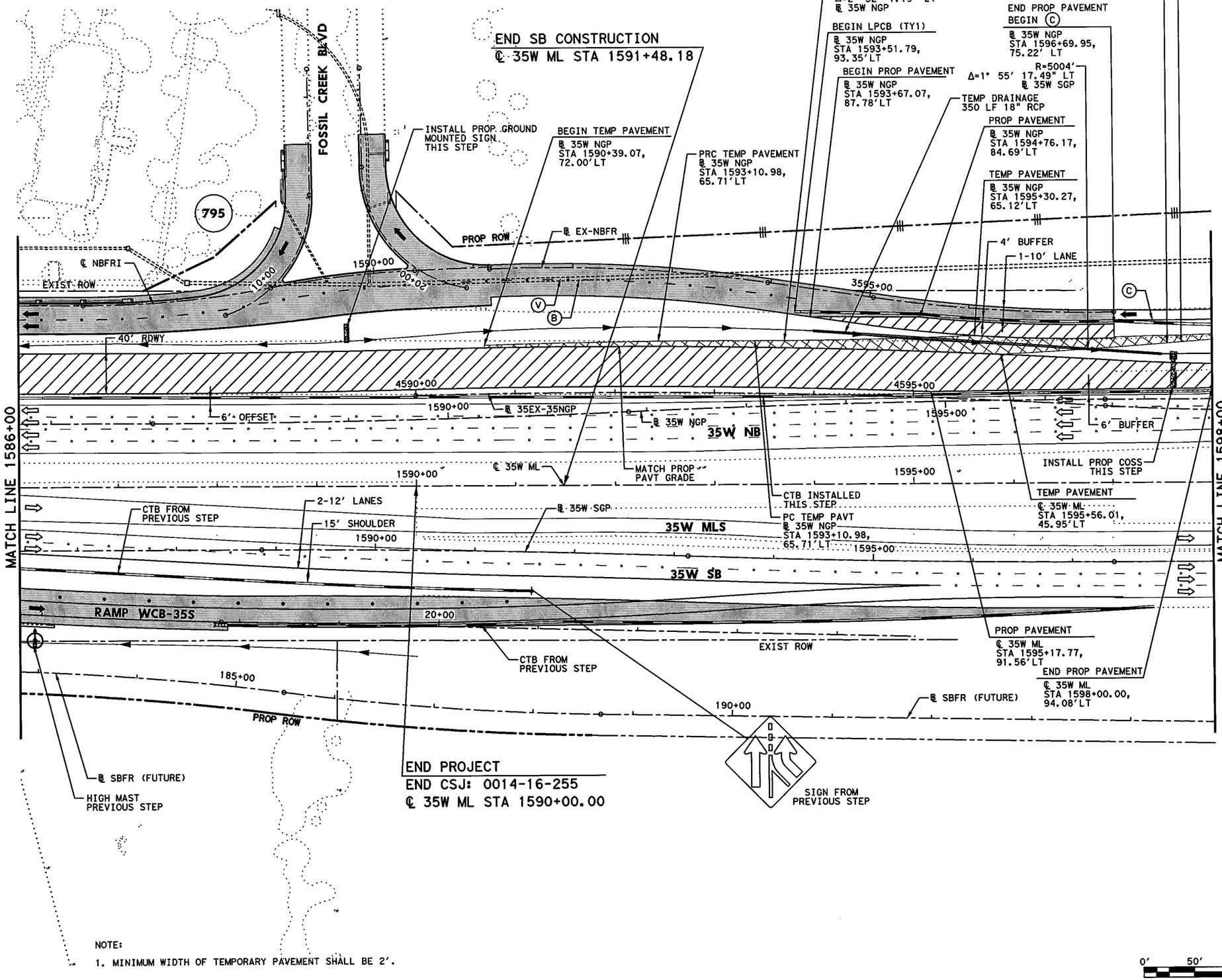
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 3

SCALE 1" = 100' SHEET 18 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AND PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 426 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP23_18.dgn
DRAWING DATE: 7/30/2012




NOTE:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.

0' 50' 100'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

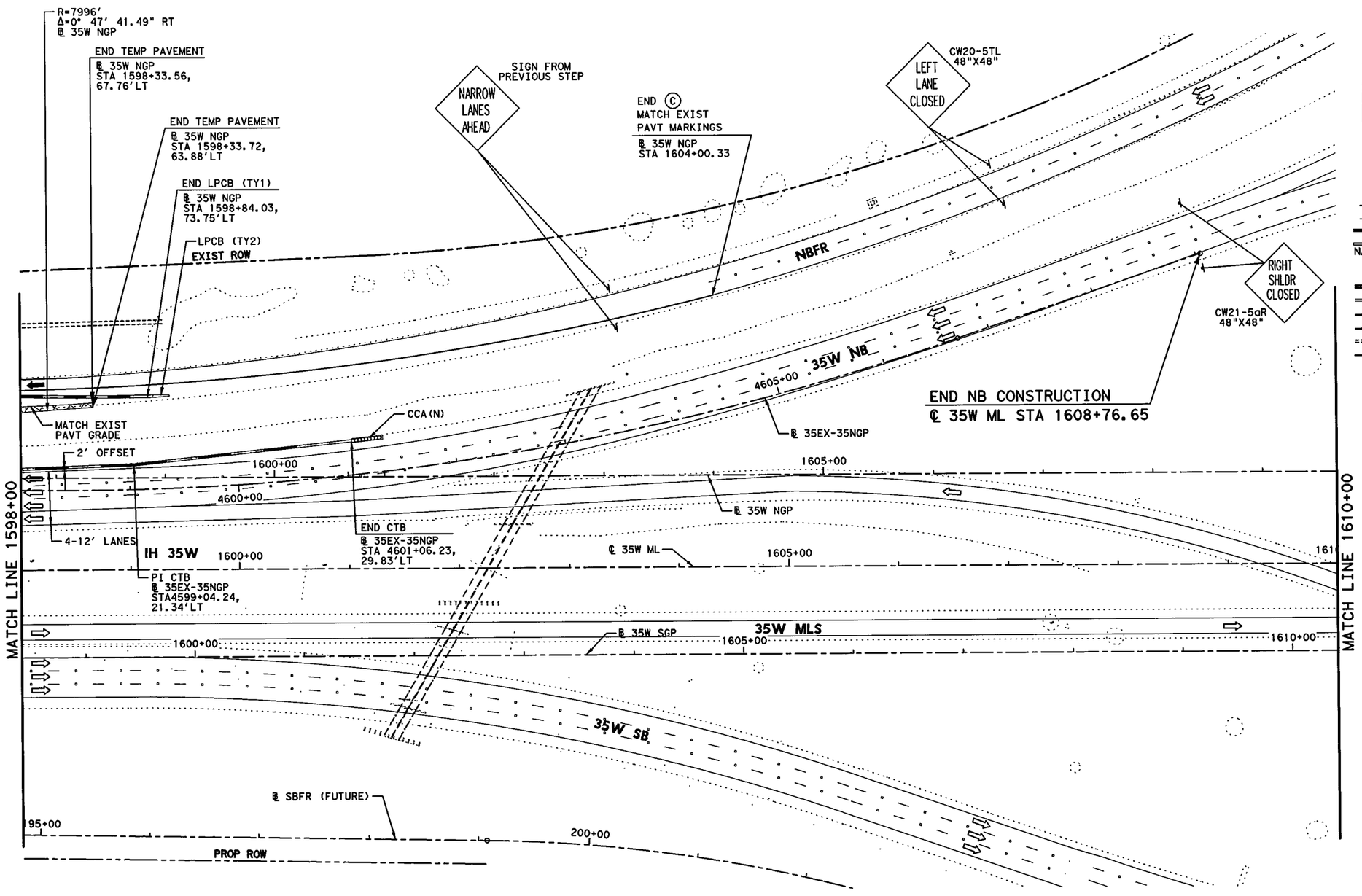
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

SCALE 1" = 100' SHEET 19 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 427 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP23_19.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

- Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
- Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
- Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
- Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
- Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
- Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
- Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
- Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
- Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
- Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
- Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
- Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
- Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
- Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

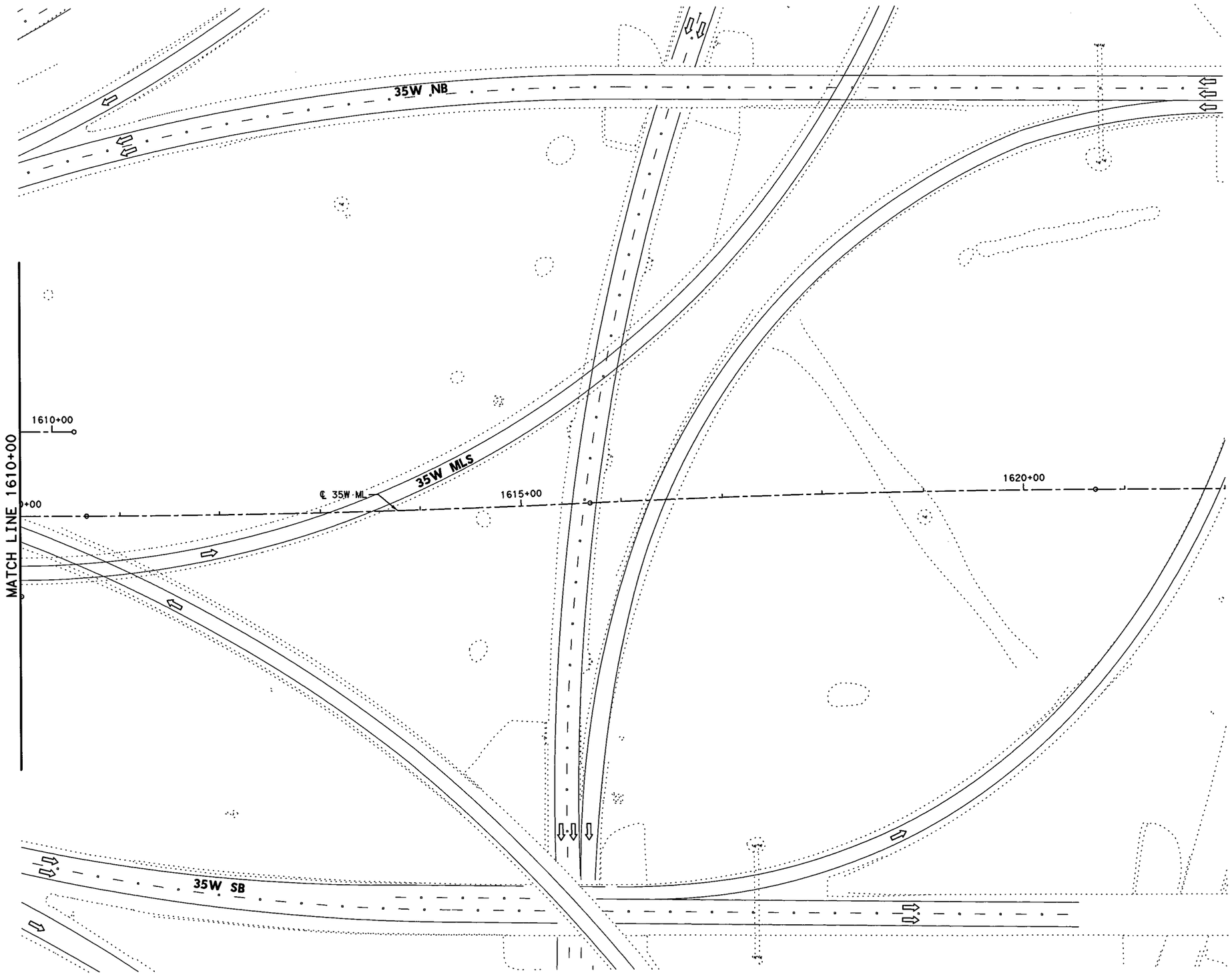
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

SCALE 1" = 100' SHEET 20 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 428 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP23_20.dgn
DRAWING DATE: 7/30/2012




0' 50' 100'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 2 STEP 3

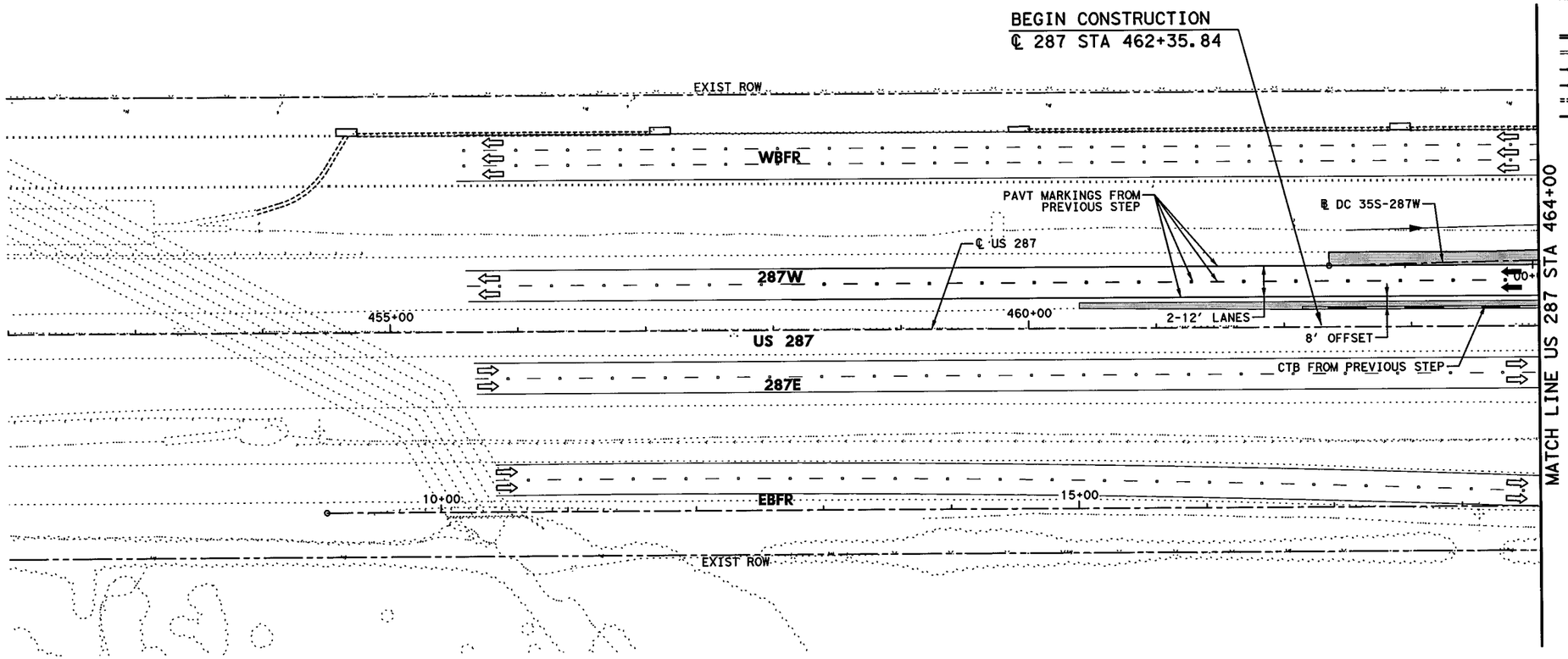
SCALE 1" = 100'

SHEET 21 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 429 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP23_21.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS, TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:
1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

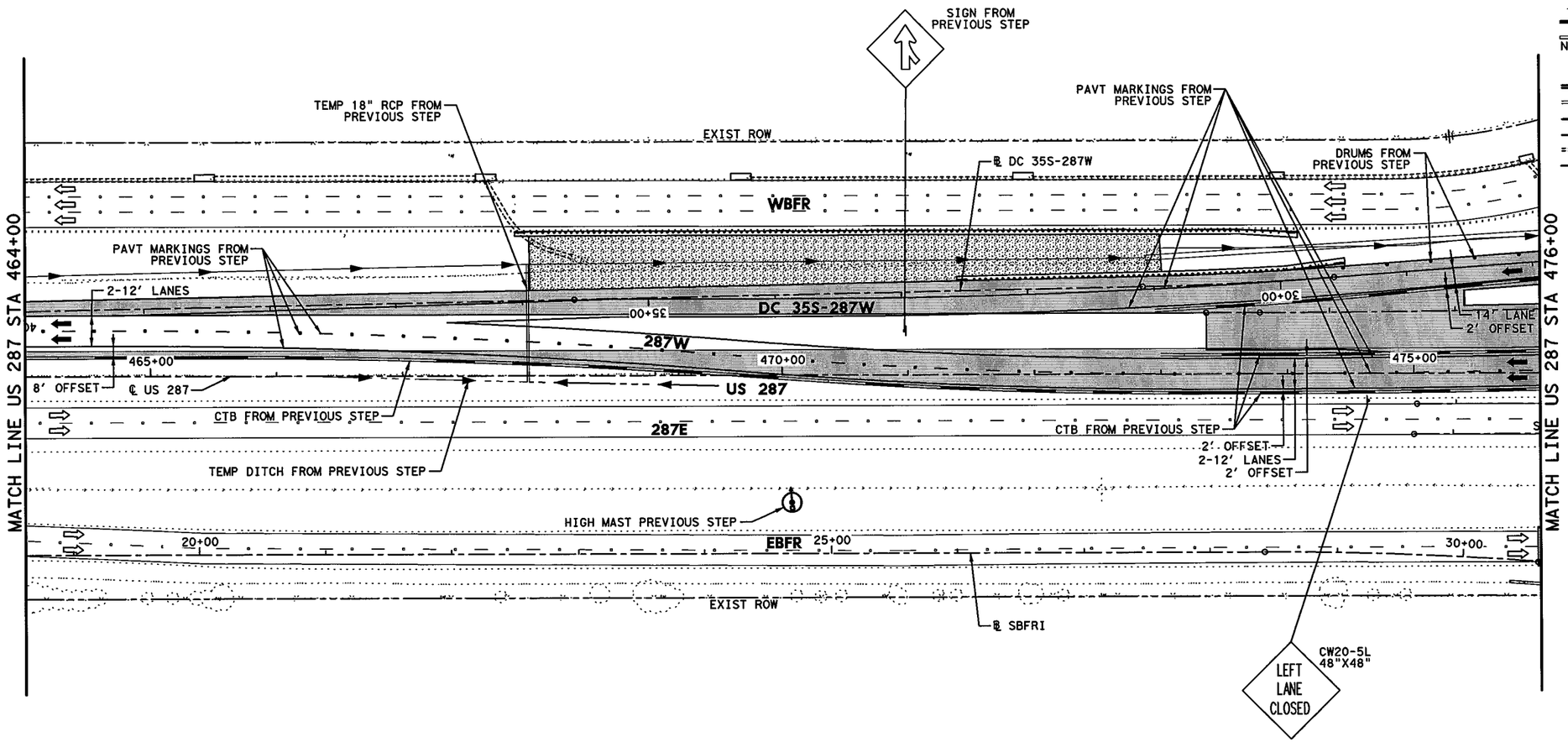
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

SCALE 1" = 100' SHEET 22 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 430 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP23_22.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

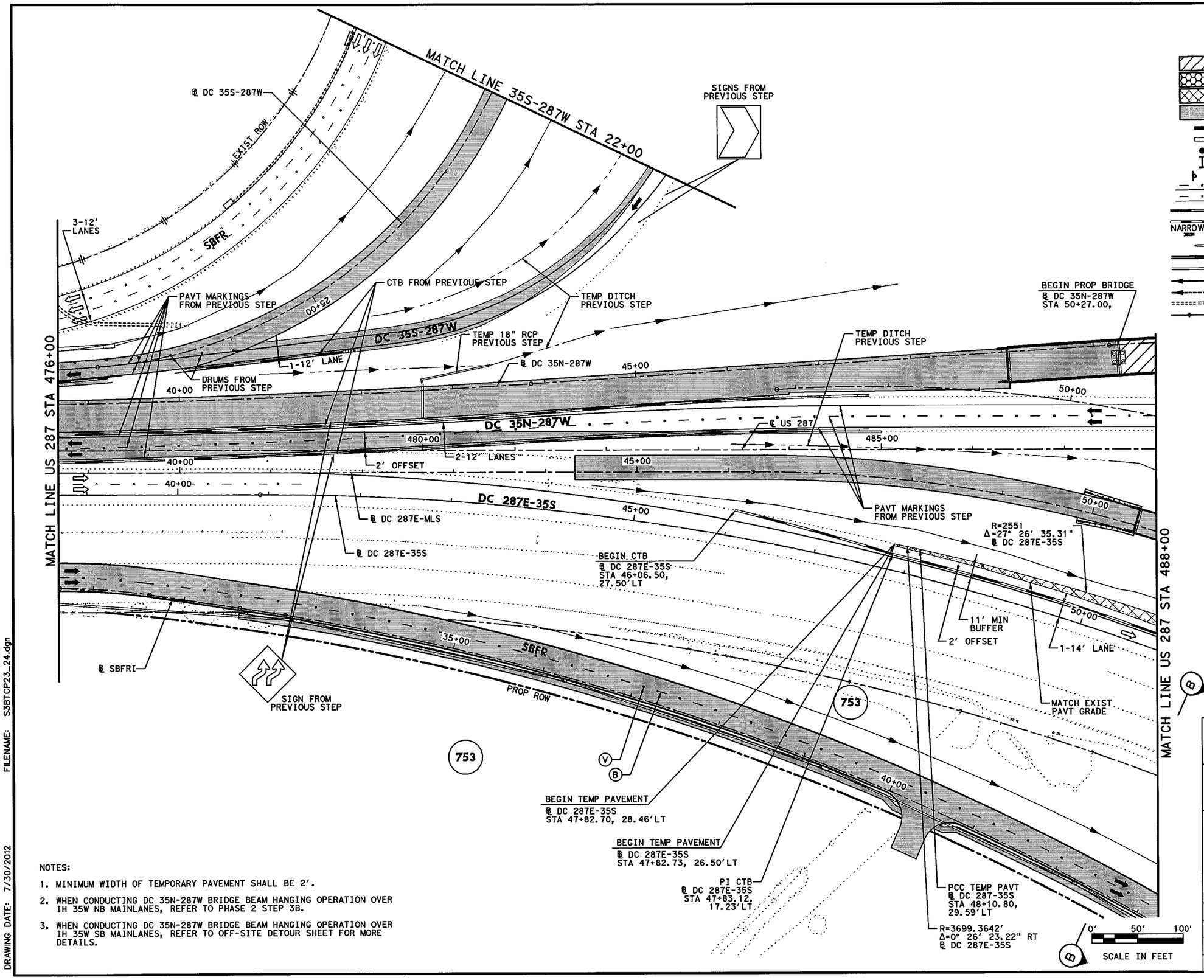
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

SCALE 1" = 100' SHEET 23 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 431 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP23_23.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
2. WHEN CONDUCTING DC 35N-287W BRIDGE BEAM HANGING OPERATION OVER IH 35W NB MAINLANES, REFER TO PHASE 2 STEP 3B.
3. WHEN CONDUCTING DC 35N-287W BRIDGE BEAM HANGING OPERATION OVER IH 35W SB MAINLANES, REFER TO OFF-SITE DETOUR SHEET FOR MORE DETAILS.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3**

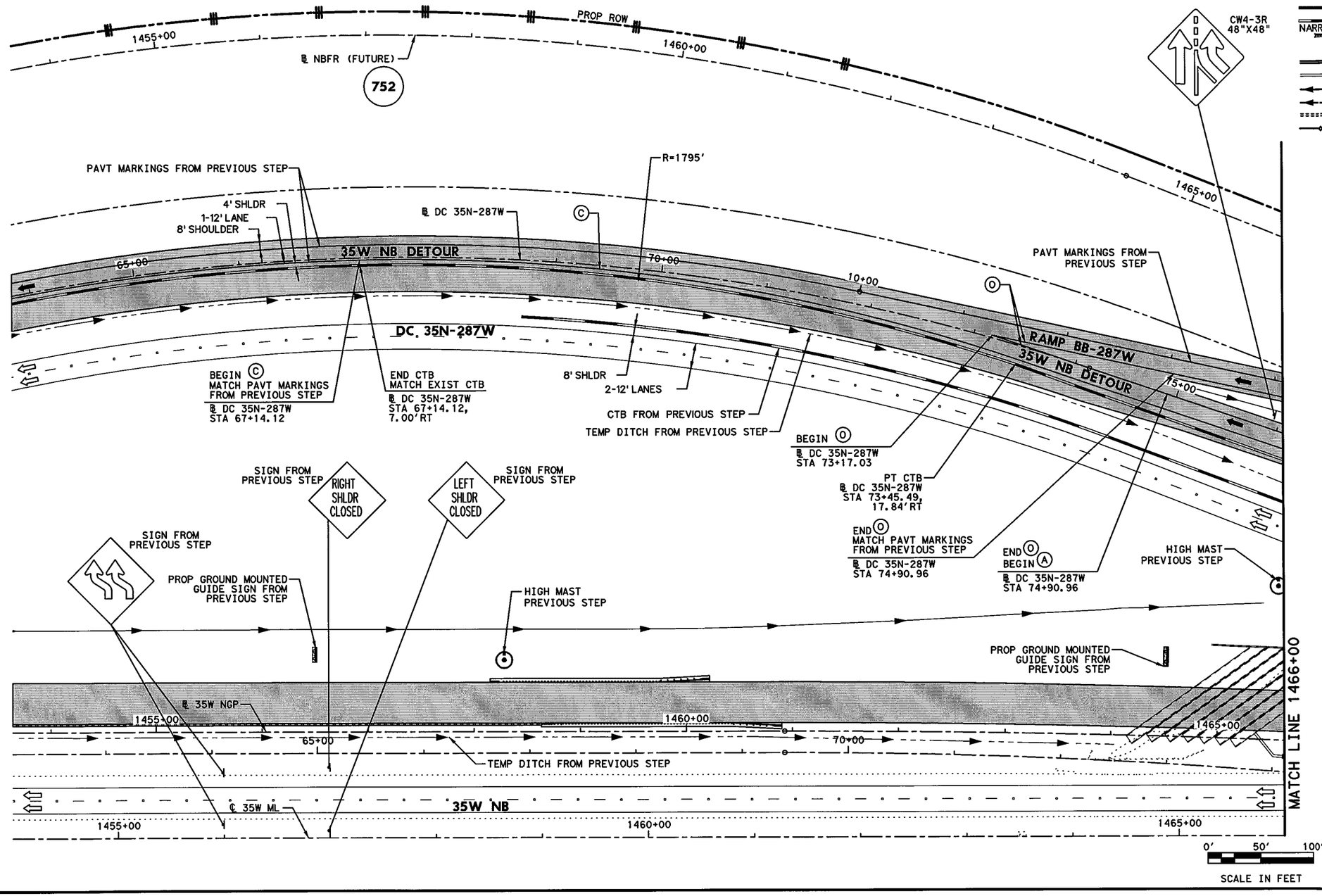
SCALE 1" = 100' SHEET 24 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 432 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP23_24.dgn
DRAWING DATE: 7/30/2012

NOTE:

1. THIS STEP TO BE APPLIED ONLY FOR DC 35 N-287W BRIDGE BEAM OVERHANGING OPERATION OVER IH 35W NB MAINLANES.




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3B**

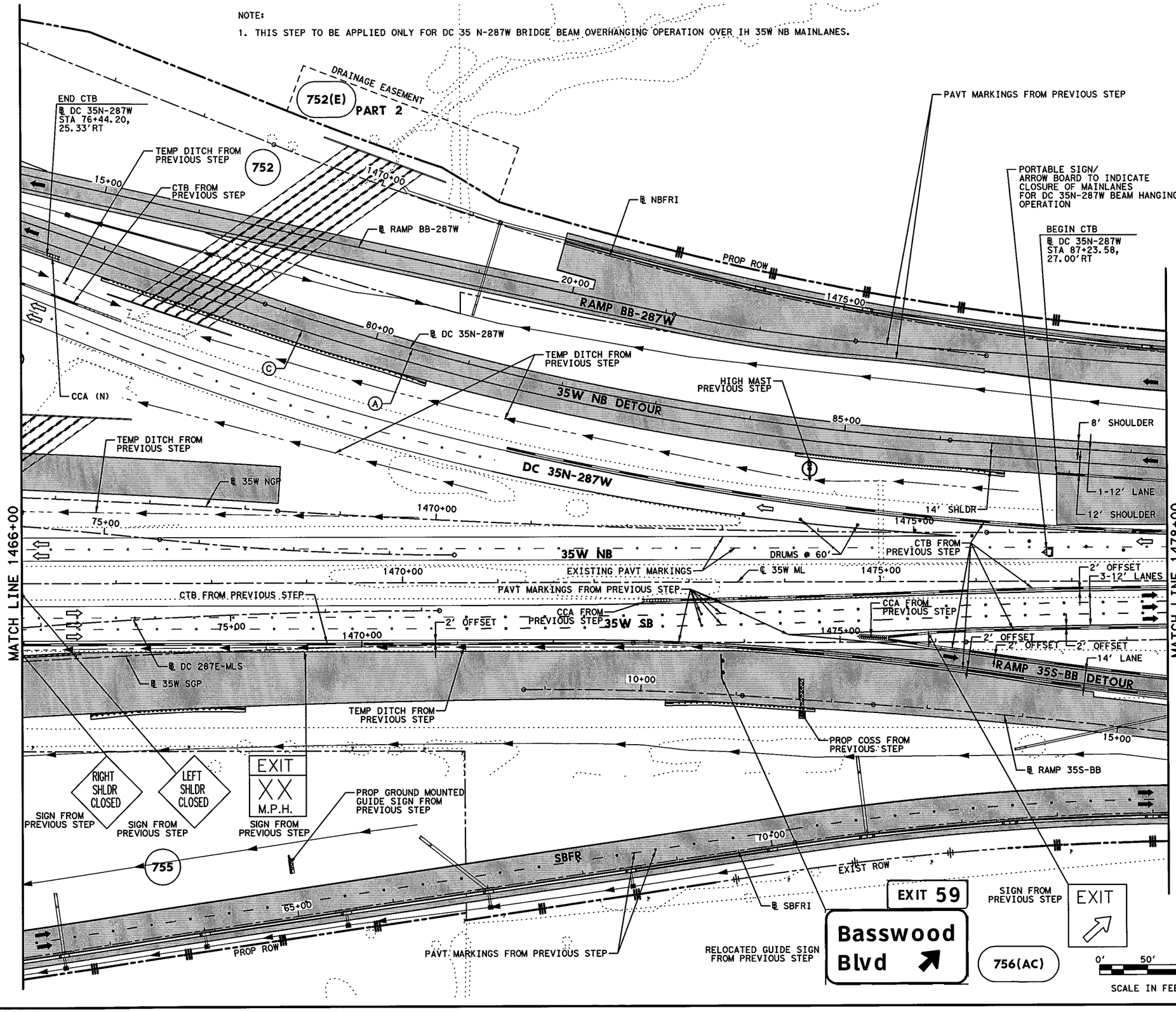
SCALE 1" = 100'
SHEET 1 OF 3

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 432A |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP23B_07.dgn
DRAWING DATE: 7/30/2012

NOTE:

1. THIS STEP TO BE APPLIED ONLY FOR DC 35 N-287W BRIDGE BEAM OVERHANGING OPERATION OVER IH 35W NB MAINLANES.




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

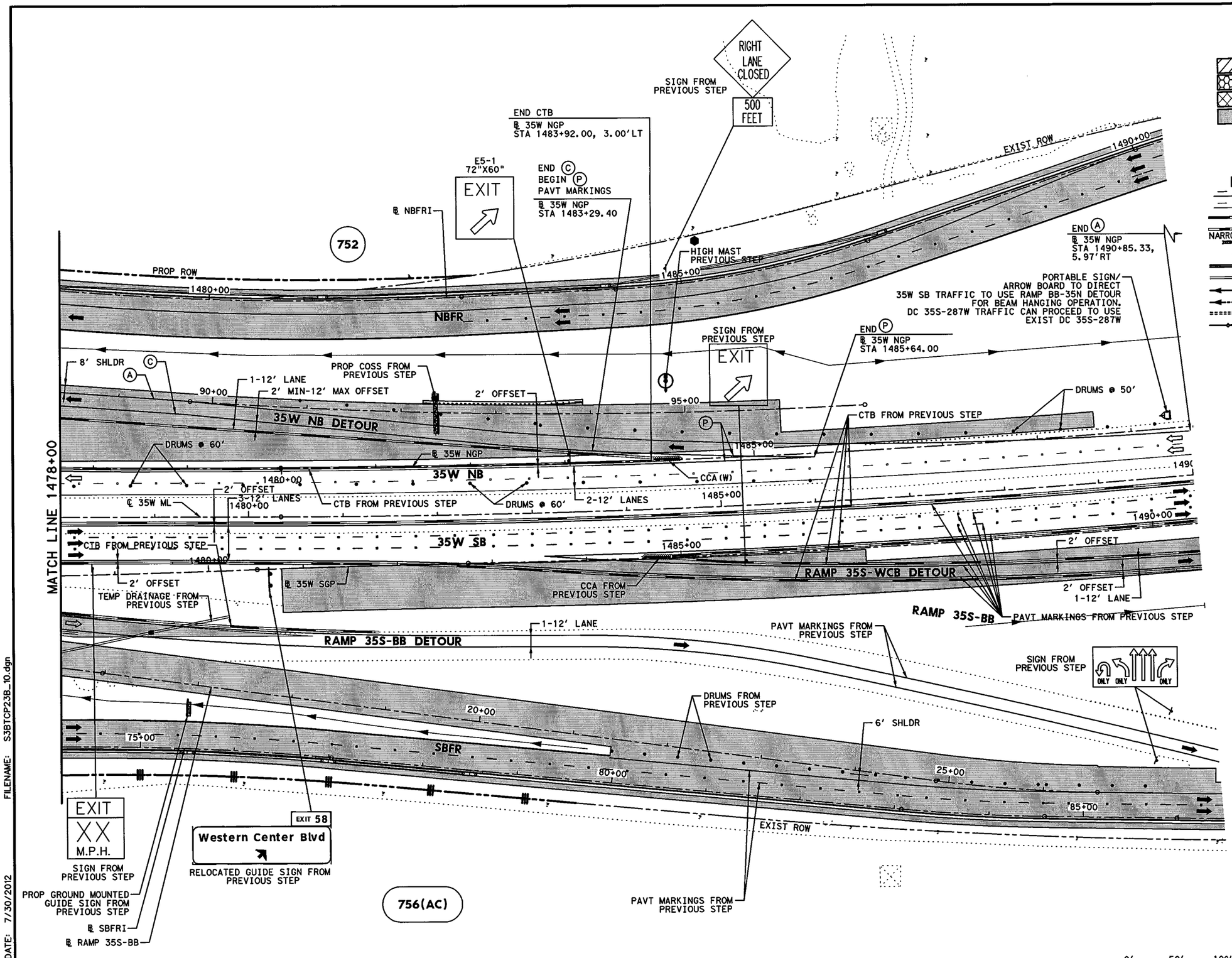
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3B**

SCALE 1" = 100' SHEET 2 OF 3

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 432B |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP23B_09.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

NOTE:

1. THIS STEP TO BE APPLIED ONLY FOR DC 35 N-287W BRIDGE BEAM OVERHANGING OPERATION OVER IH 35W NB MAINLANES.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

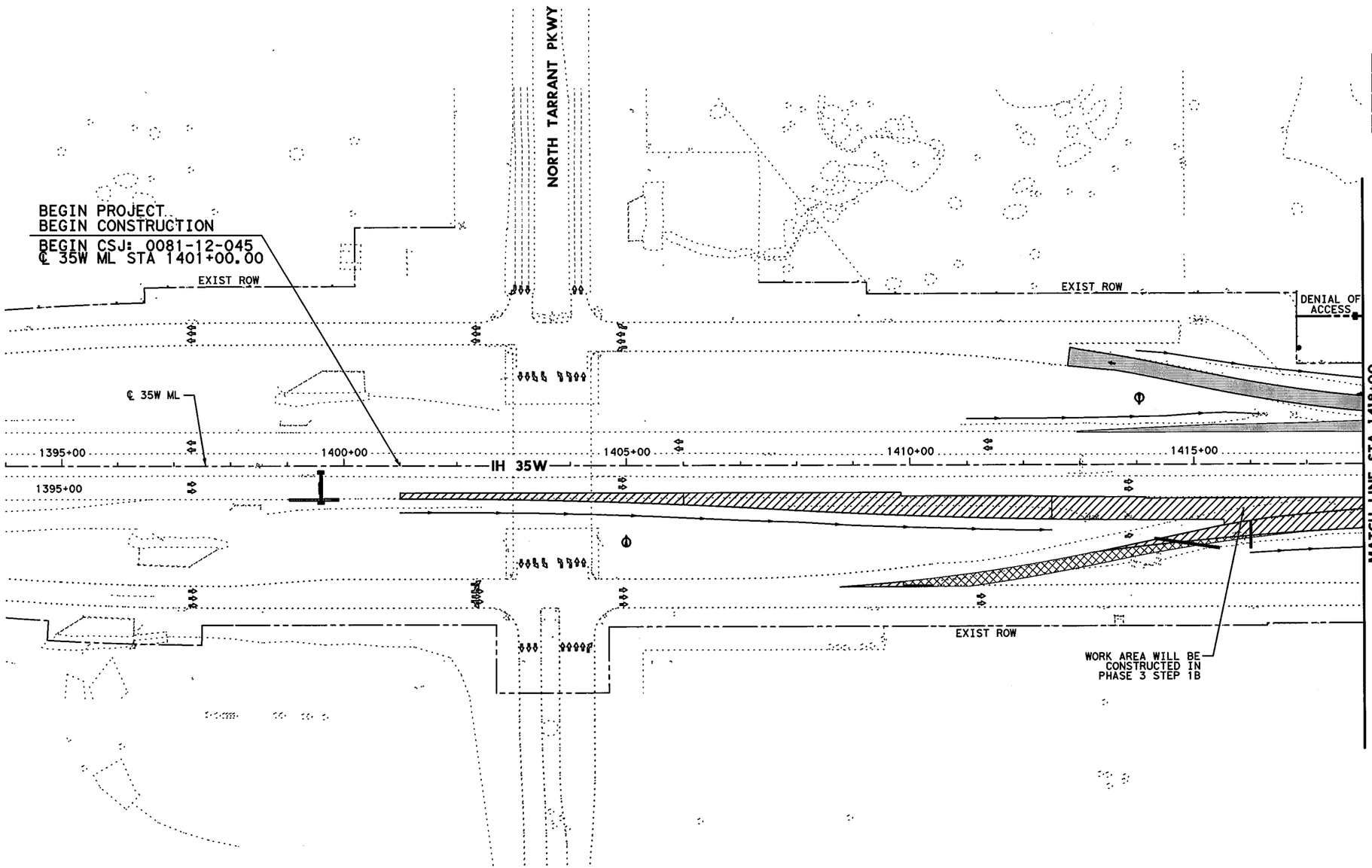
**TRAFFIC CONTROL PLAN**
**PHASE 2 STEP 3B**

SCALE 1" = 100'

SHEET 3 OF 3

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 432C |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP23B_10.dgn
DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

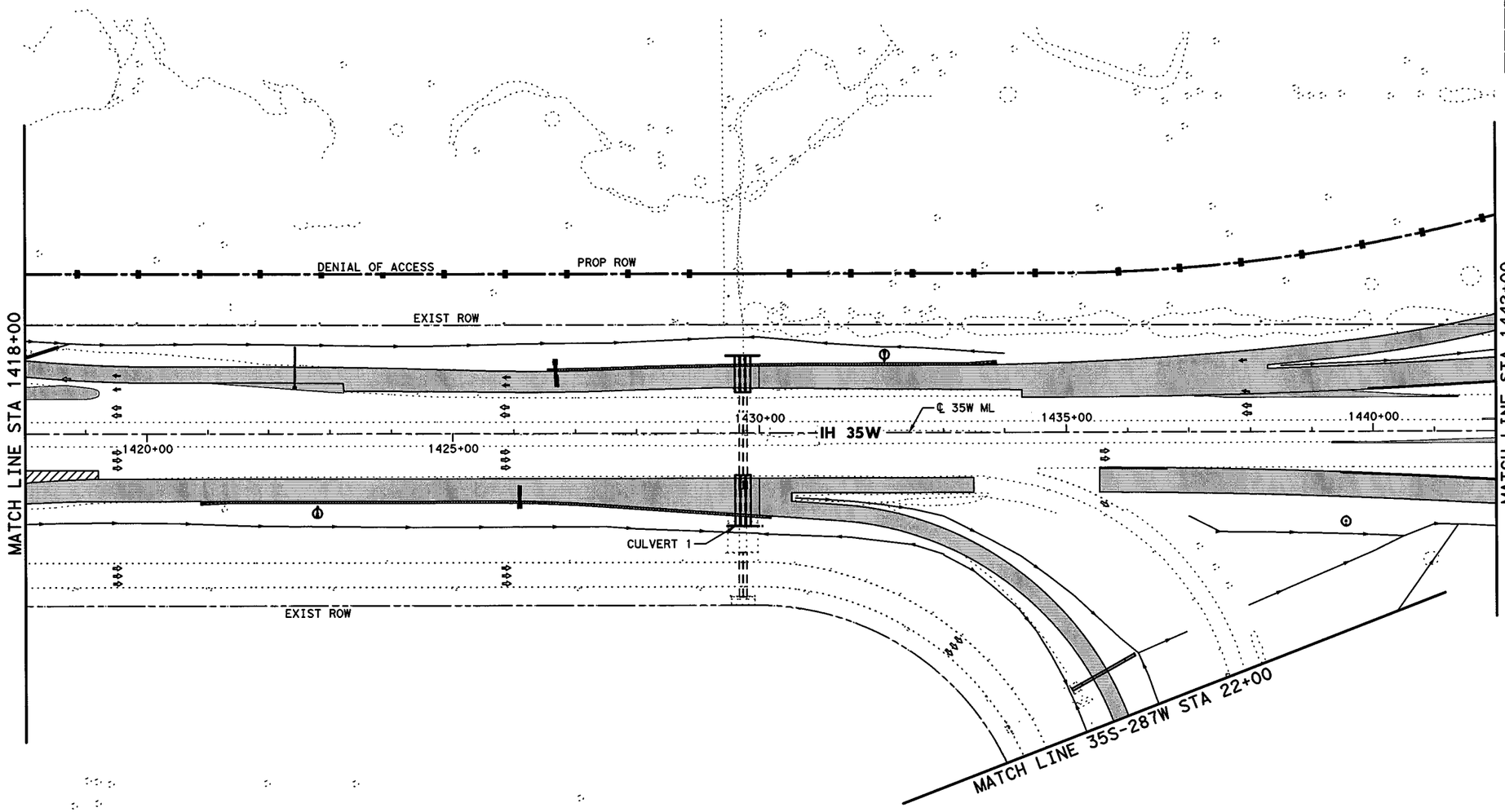
# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 3 STEP 1
## BEGIN PROJECT TO STA 1418+00

SCALE: 1" = 200'

SHEET 1 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 433 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCL31_01.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 3 STEP 1**

**STA 1418+00 TO STA 1442+00**

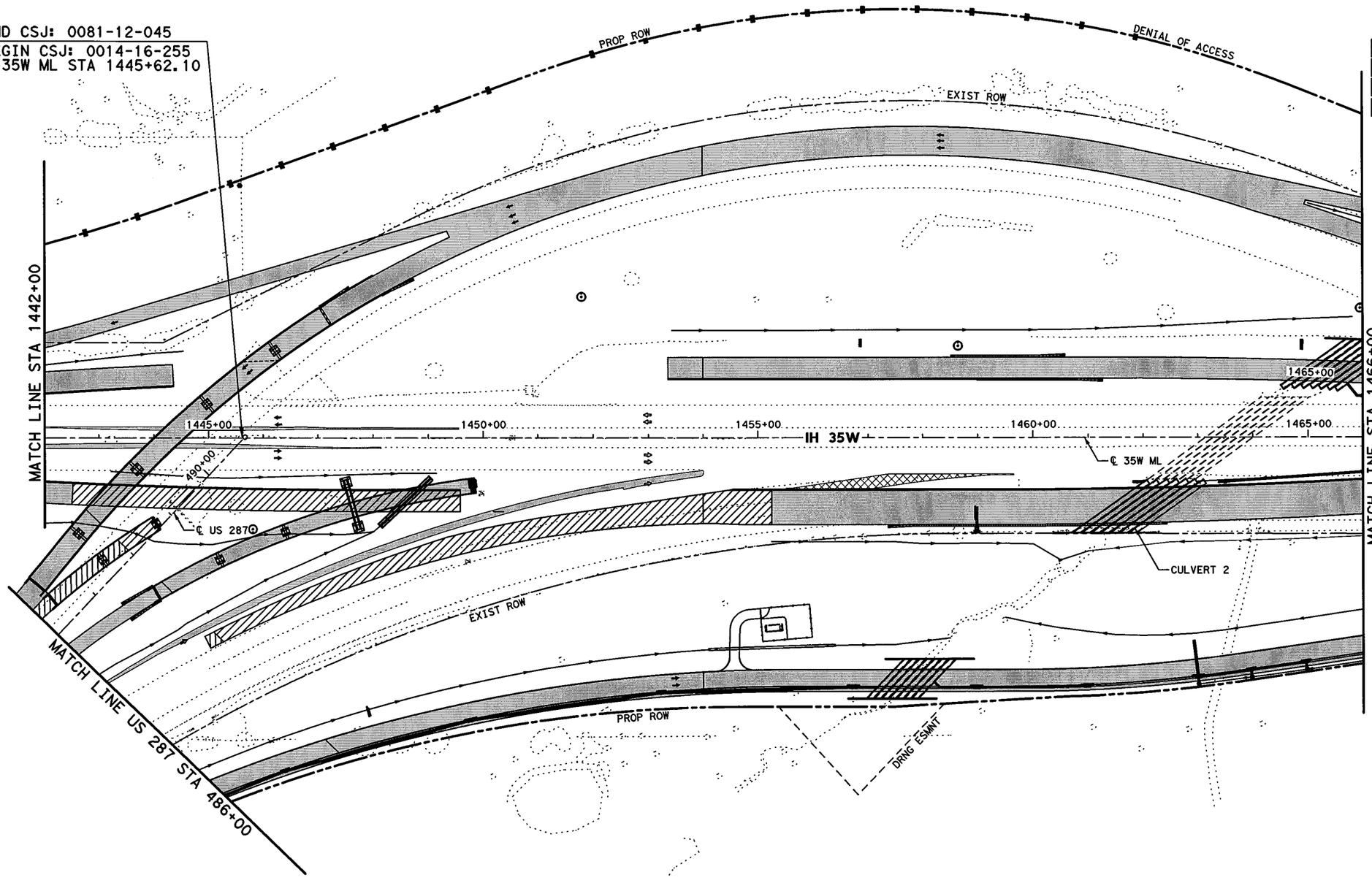
SCALE: 1" = 200' SHEET 2 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 434 |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL31_02.dgn

DRAWING DATE: 7/30/2012

END CSJ: 0081-12-045
BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




0' 50' 100' 200'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

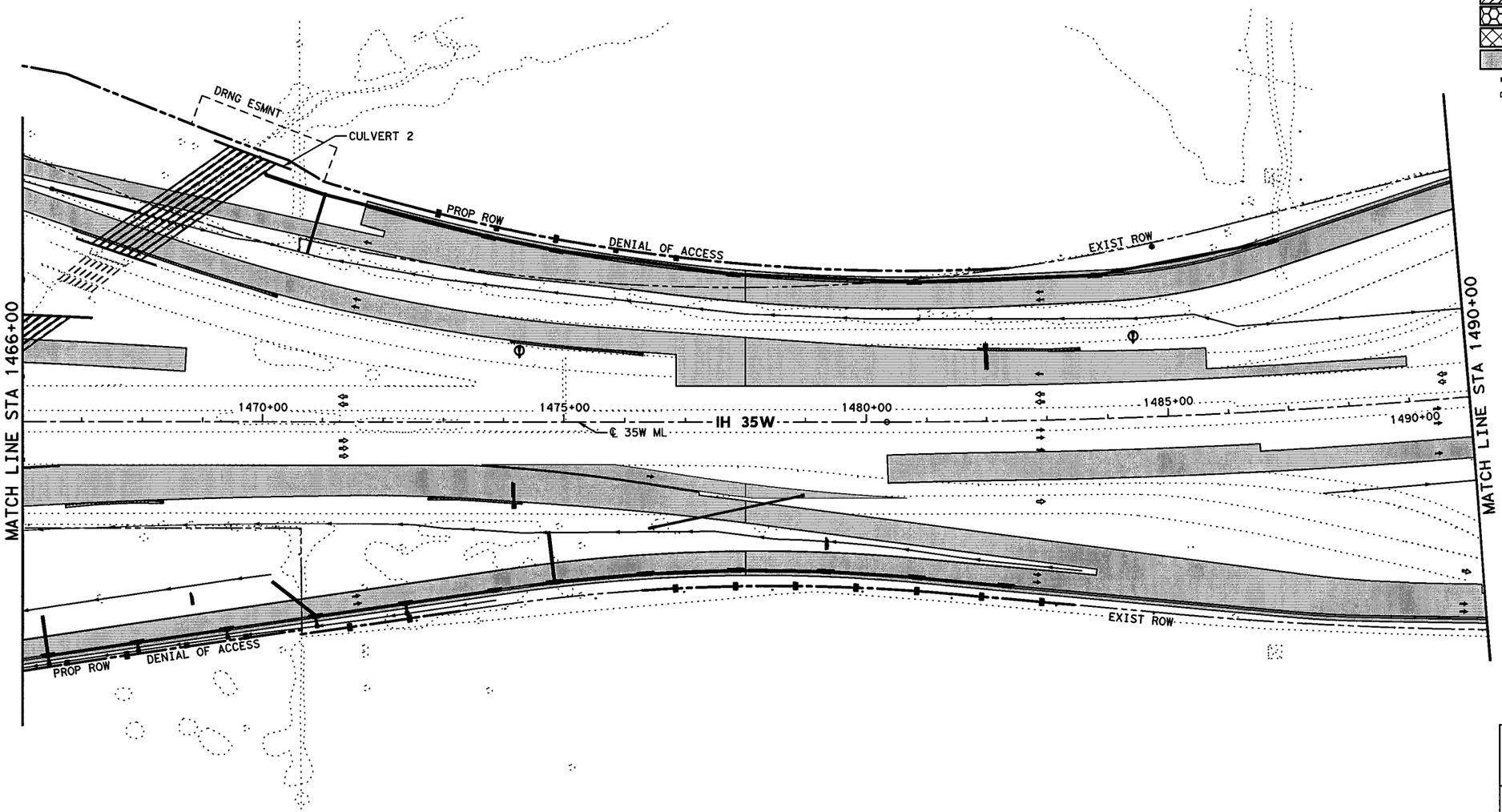
**PHASE 3 STEP 1**

**STA 1442+00 TO STA 1466+00**

SCALE: 1" = 200' SHEET 3 OF 10

| | | | | |
|---|---|---|---|---|
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 435 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL31_03.dgn
DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 3 STEP 1
## STA 1466+00 TO STA 1490+00

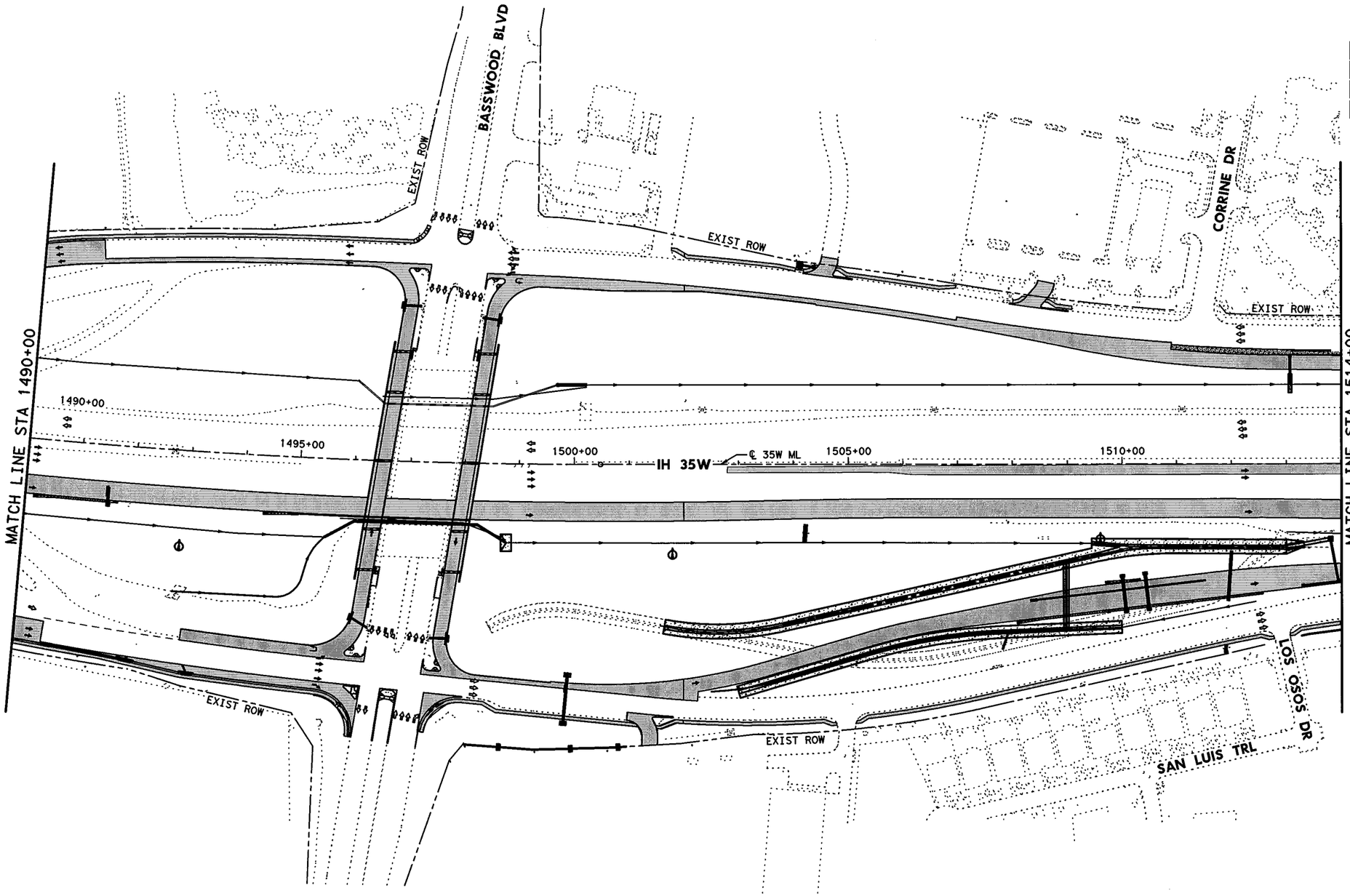
SCALE: 1" = 200'

SHEET 4 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 436 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL31_04.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 3 STEP 1

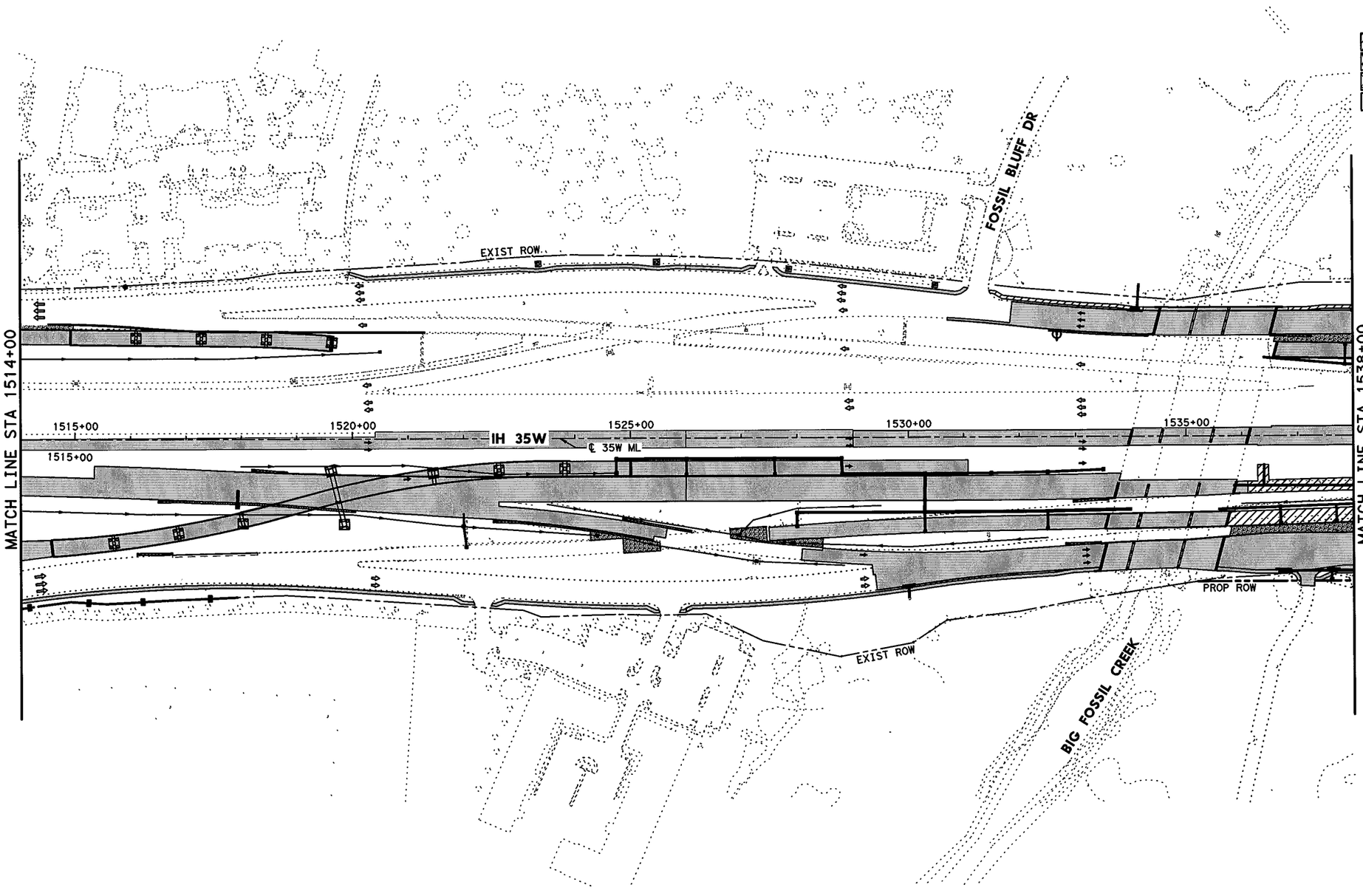
## STA 1490+00 TO STA 1514+00

SCALE: 1" = 200'

SHEET 5 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 437 |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCL31_L05.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
2/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 3 STEP 1
## STA 1514+00 TO STA 1538+00

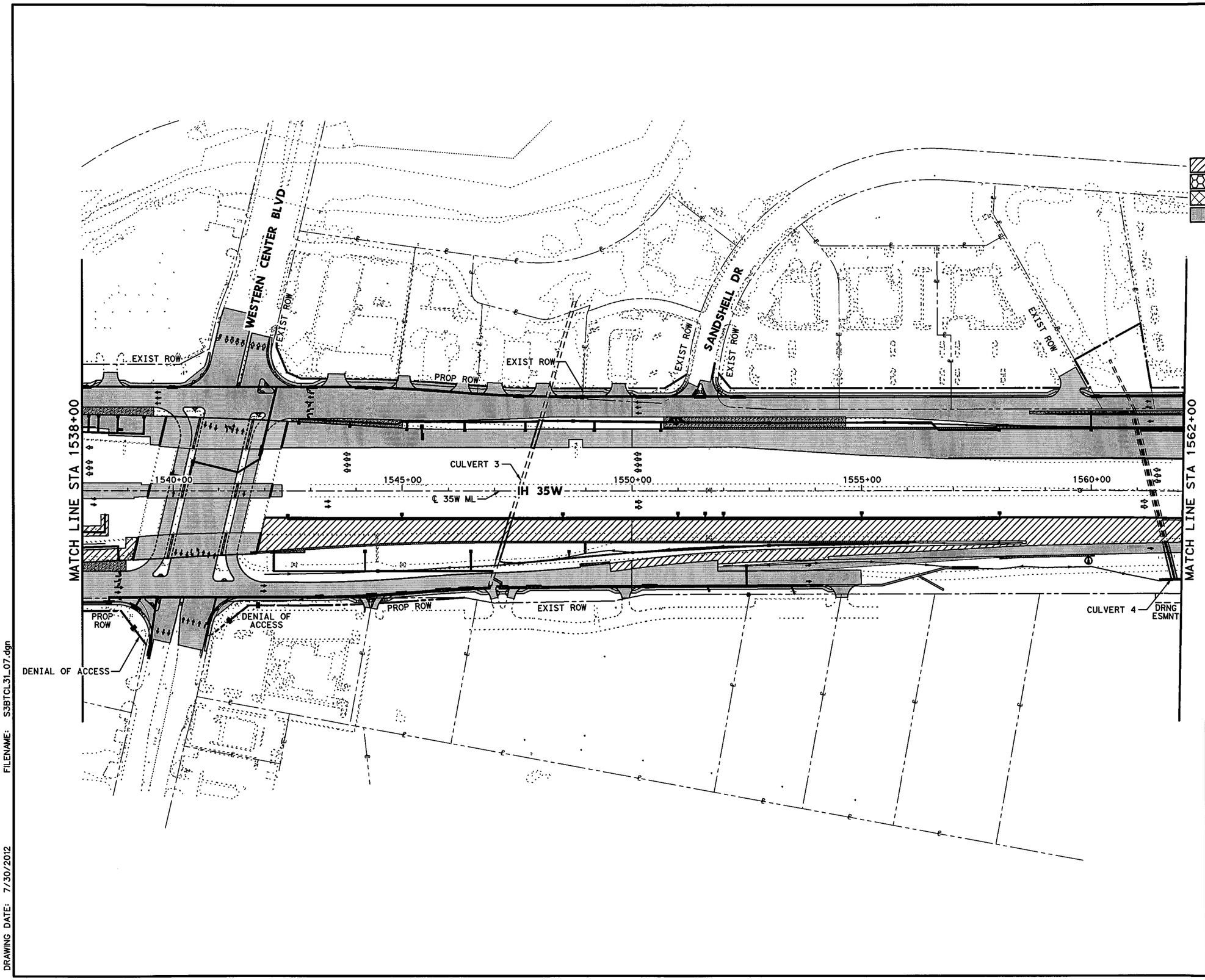
SCALE: 1" = 200'

SHEET 6 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 438 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL31_06.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 3 STEP 1

## STA 1538+00 TO STA 1562+00

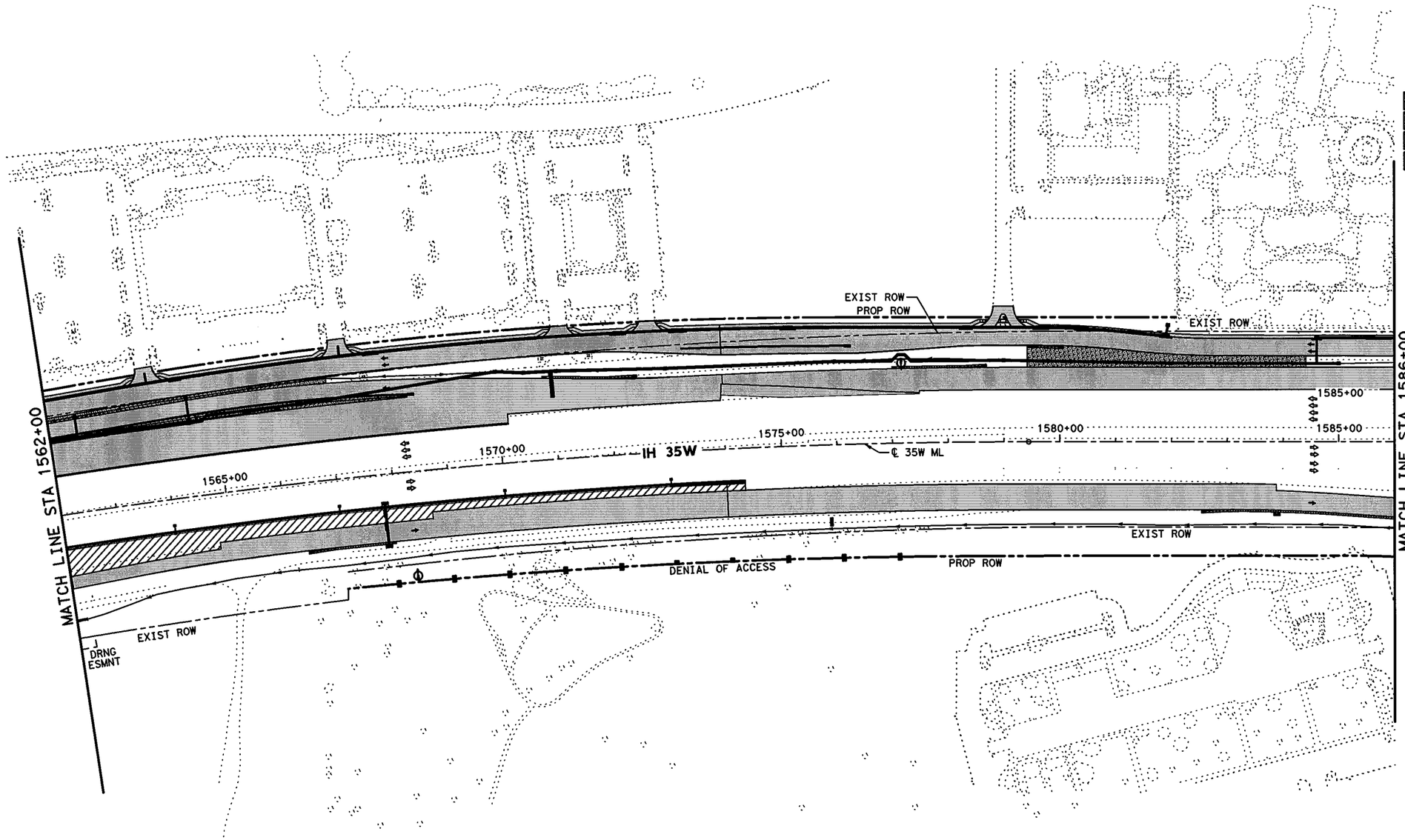
SCALE: 1" = 200'

SHEET 7 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 439 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL31_07.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 3 STEP 1

## STA 1562+00 TO STA 1586+00

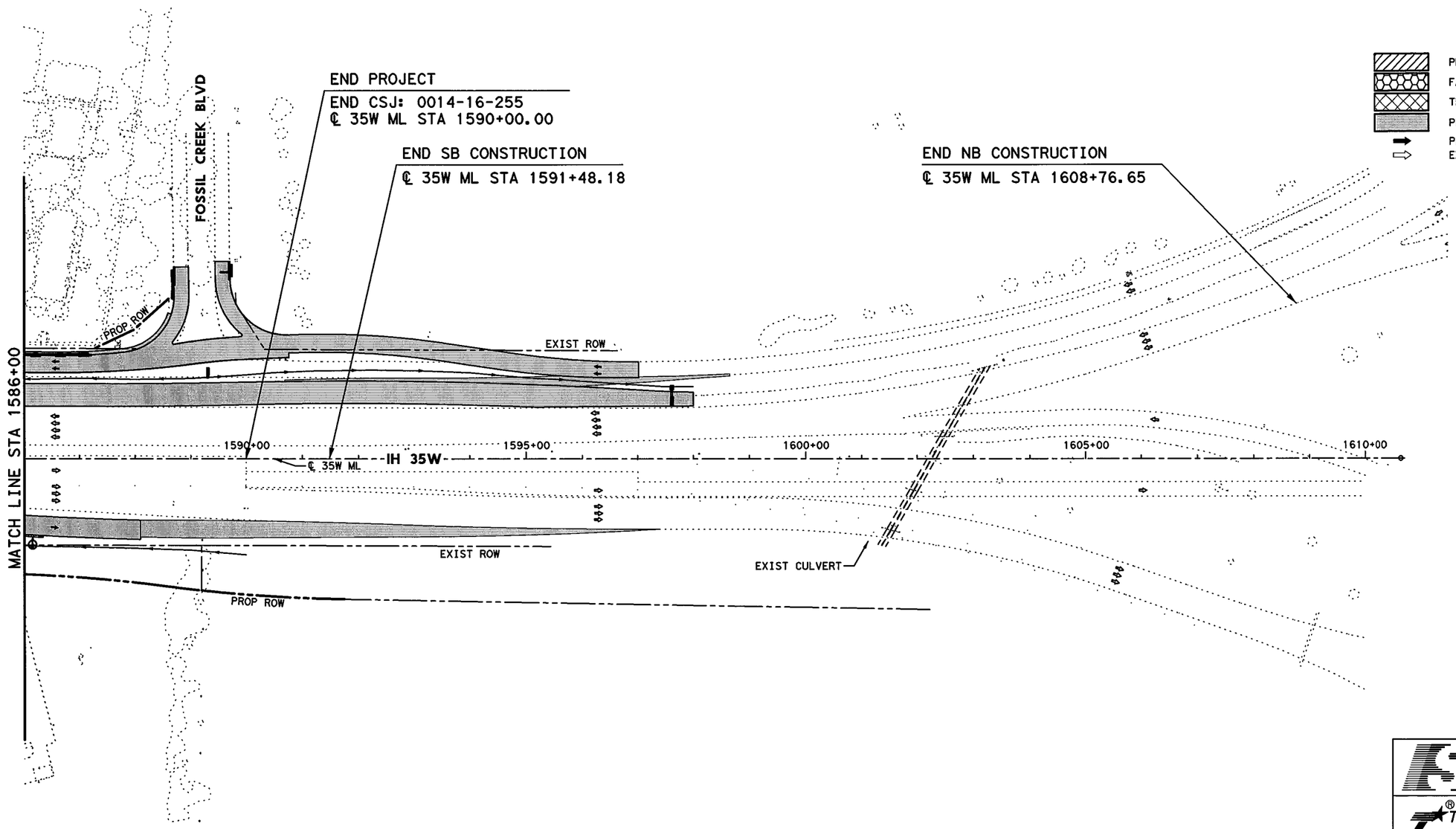
SCALE: 1" = 200'

SHEET 8 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 440 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL31_08.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 3 STEP 1**

**STA 1586+00 TO END PROJECT**

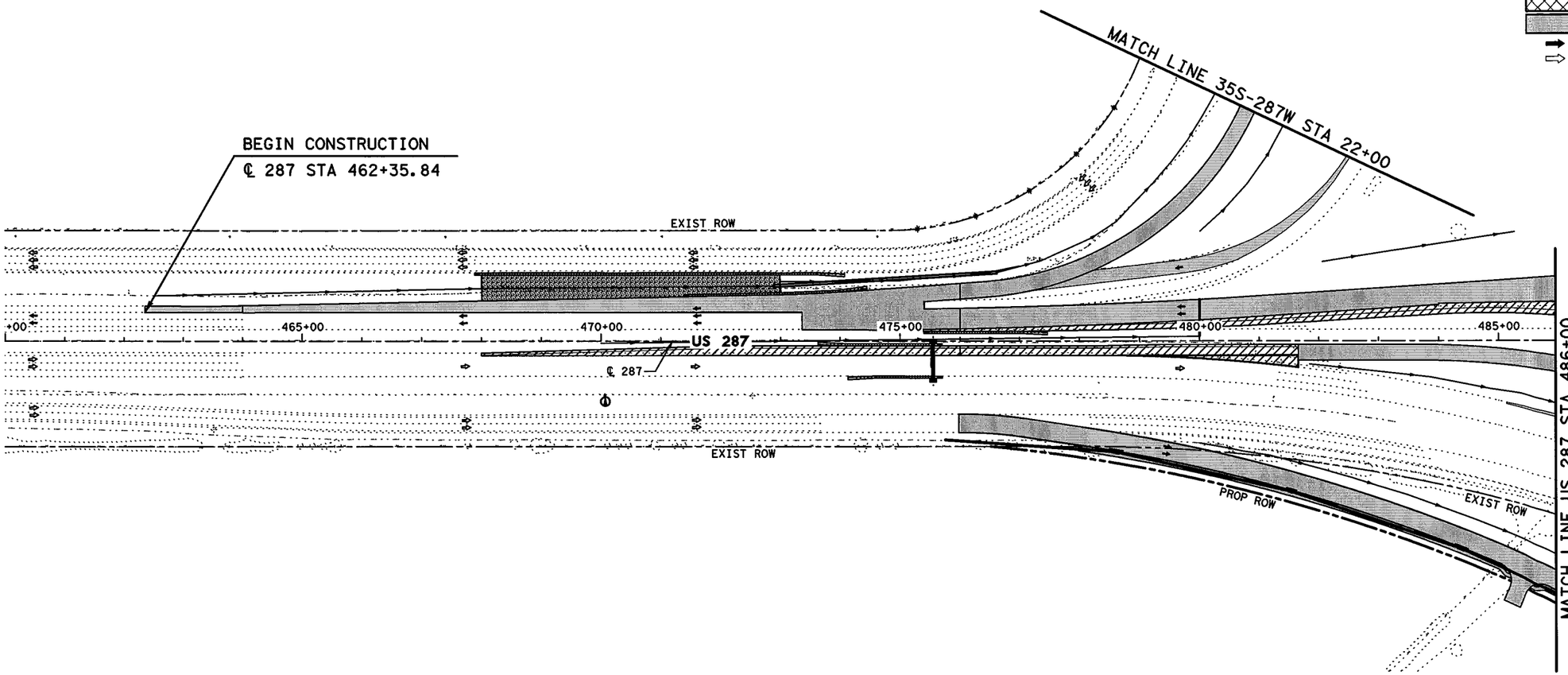
SCALE: 1" = 200'

SHEET 9 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 441 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL31_09.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 3 STEP 1

## STA 460+00 TO STA 486+00

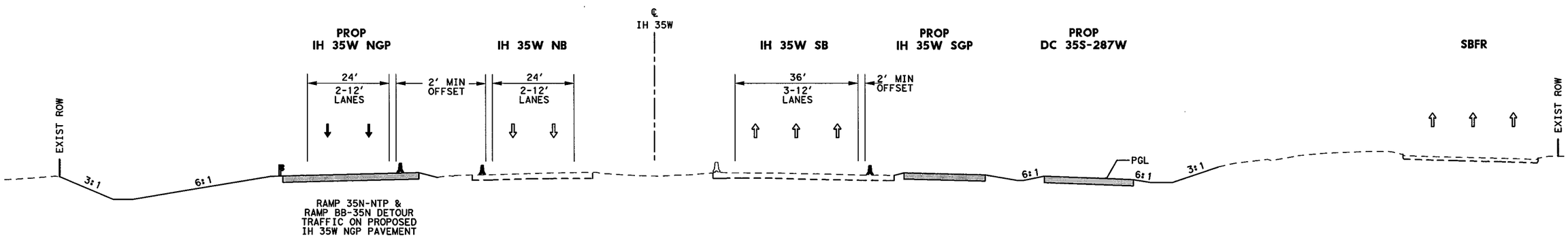
SCALE: 1" = 200'

SHEET 10 OF 10

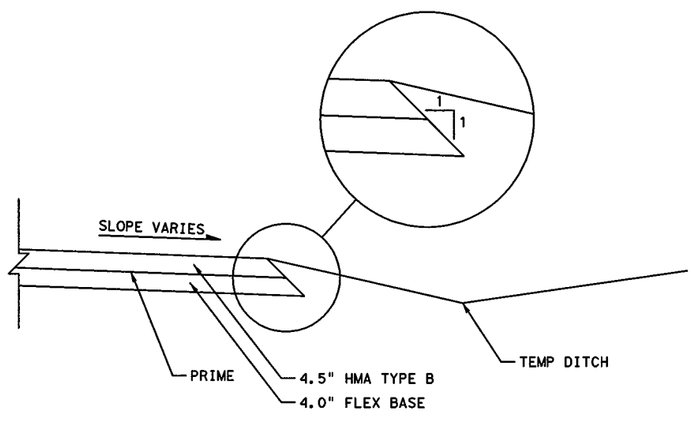
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 442 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL31_10.dgn

DRAWING DATE: 7/30/2012




**TCP SECTION A-A**
**STA 1431+00**




**DETOUR & TEMP WIDENING**
**TYPICAL SECTION**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

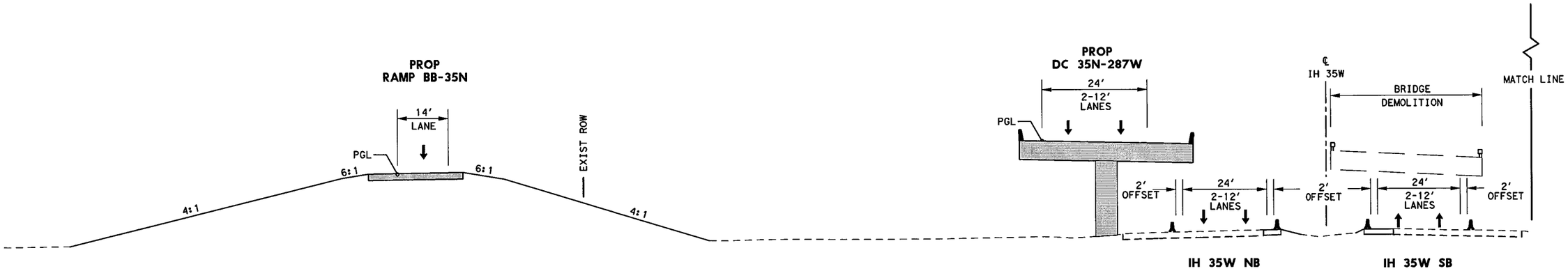
**TCP SECTION**
**PHASE 3 STEP 1**

SCALE: NTS

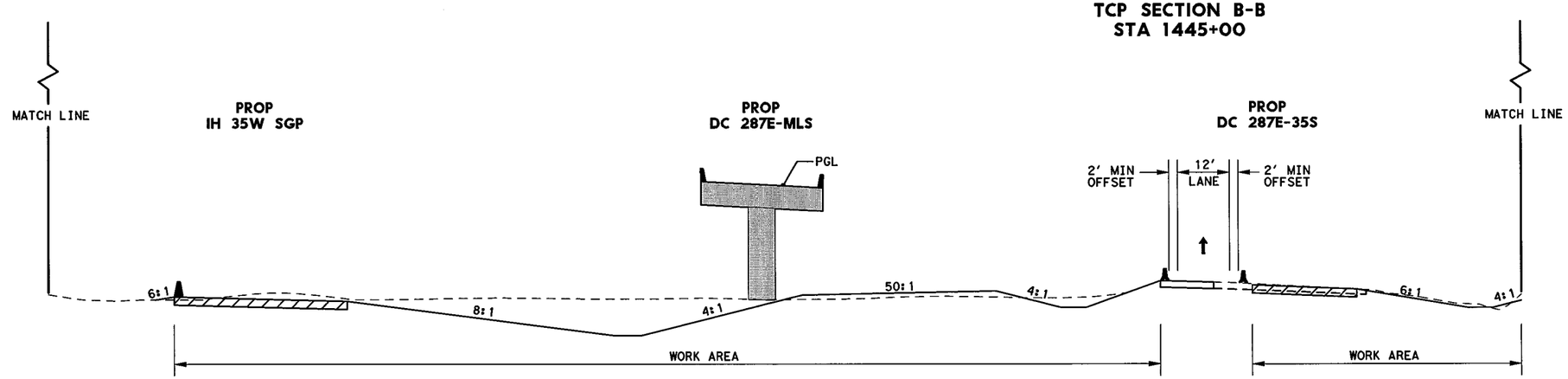
SHEET 1 OF 4

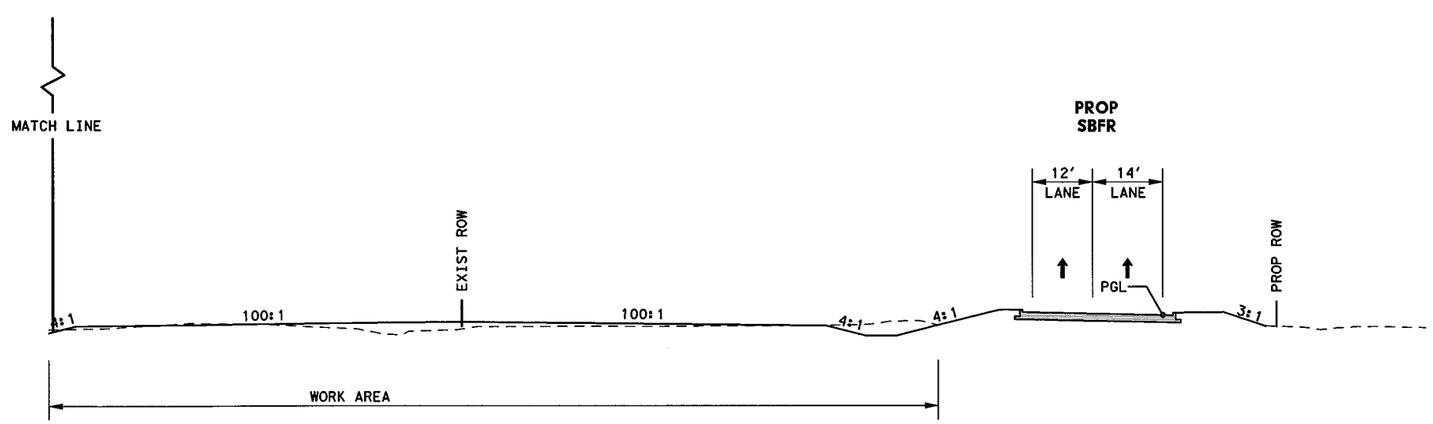
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 443 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCT31_01.dgn




## TCP SECTION B-B
## STA 1445+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

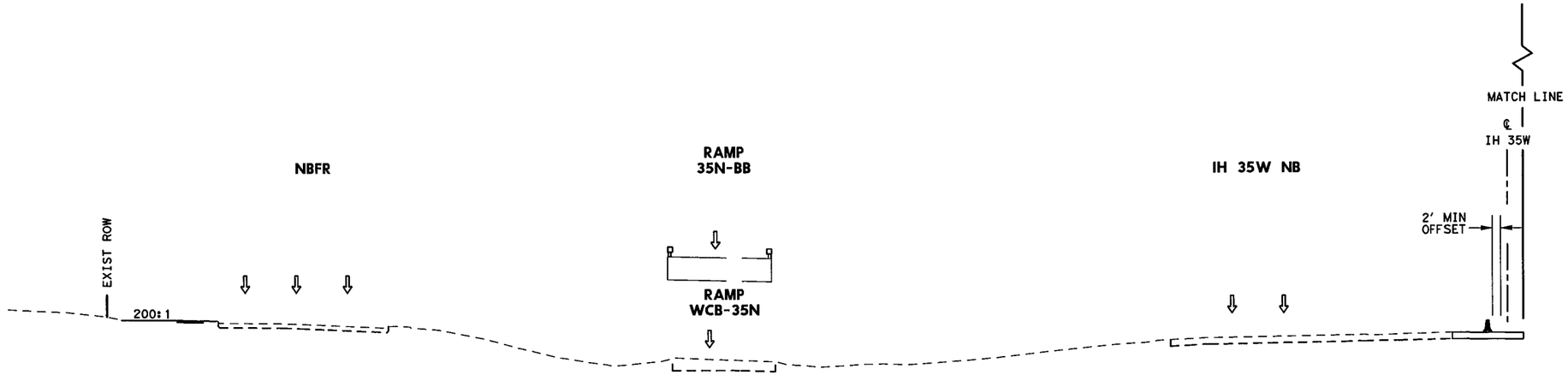
**TCP SECTION**
**PHASE 3 STEP 1**

SCALE: NTS

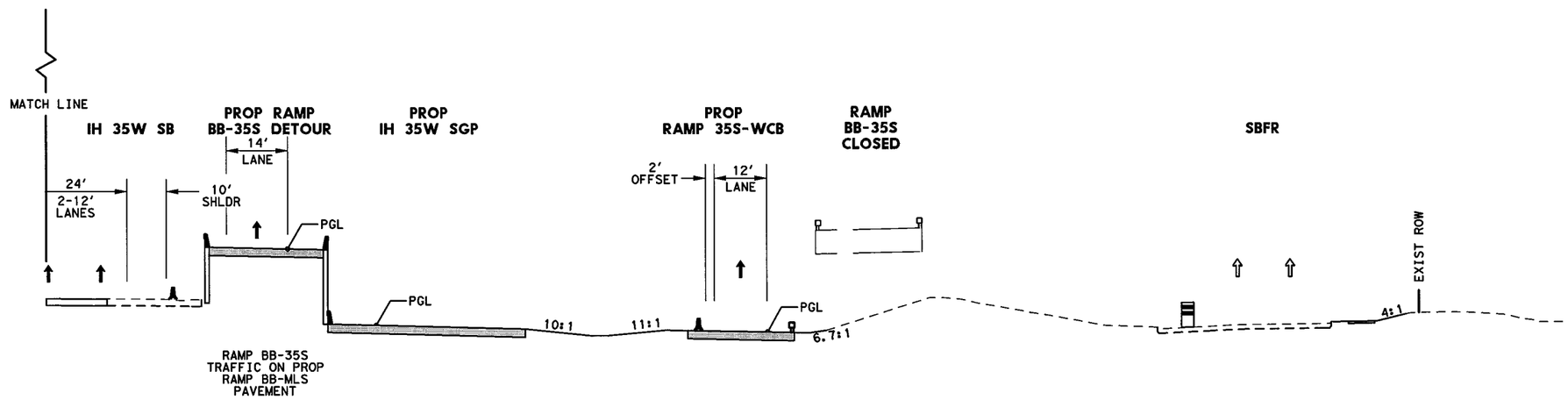


| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 444 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT31_02.dgn
DRAWING DATE: 7/30/2012




TCP SECTION C-C
STA 1525+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

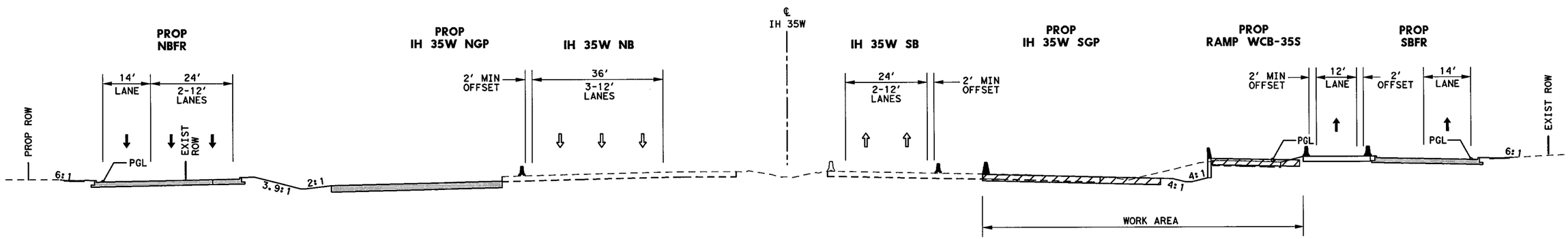
IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 3 STEP 1

SCALE: NTS
SHEET 3 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 445 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCT31_03.dgn
DRAWING DATE: 7/30/2012




**TCP SECTION D-D**
**STA 1554+00**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

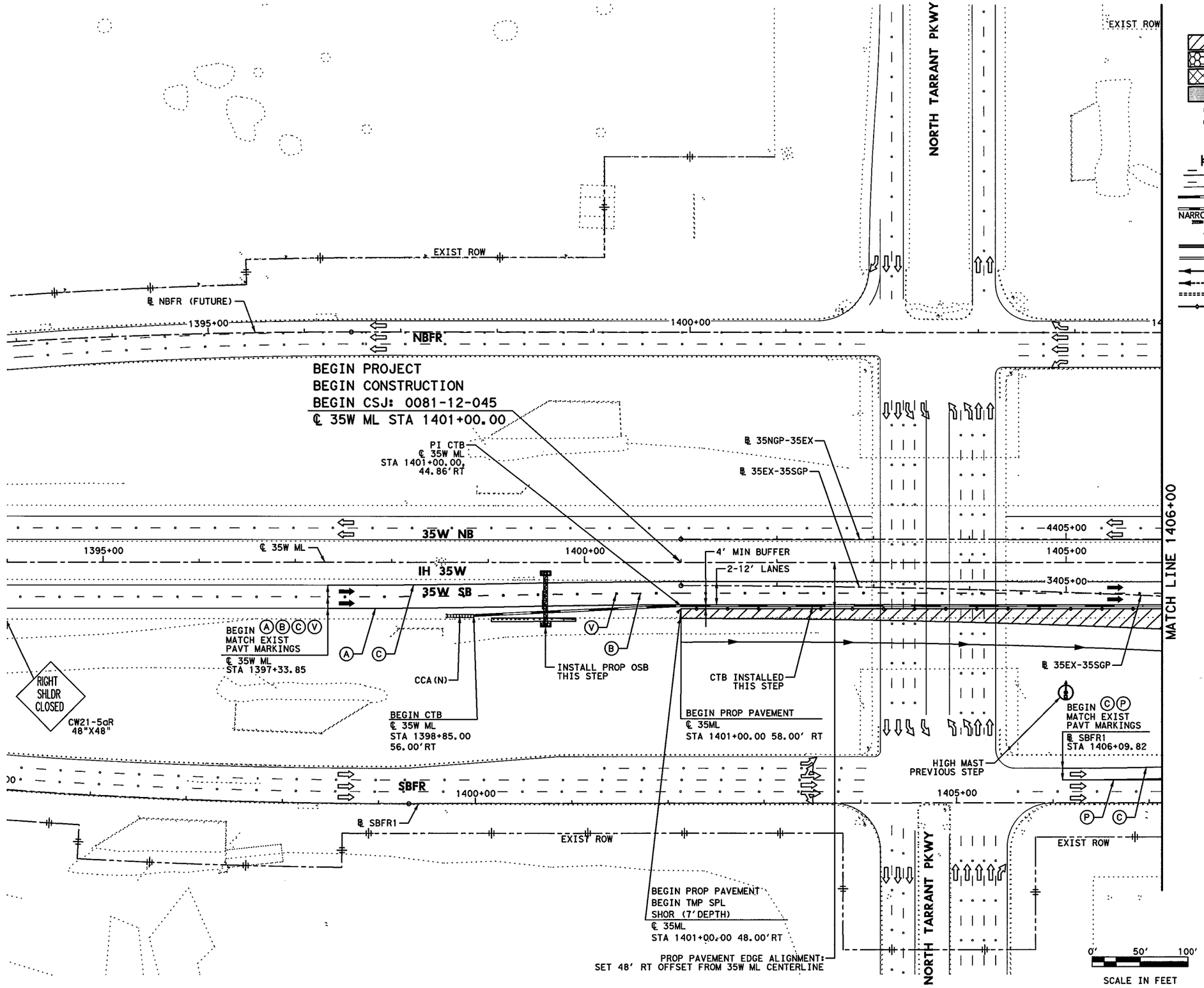
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 3 STEP 1**

SCALE: NTS — SHEET 4 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 446 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCT31_04.dgn




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

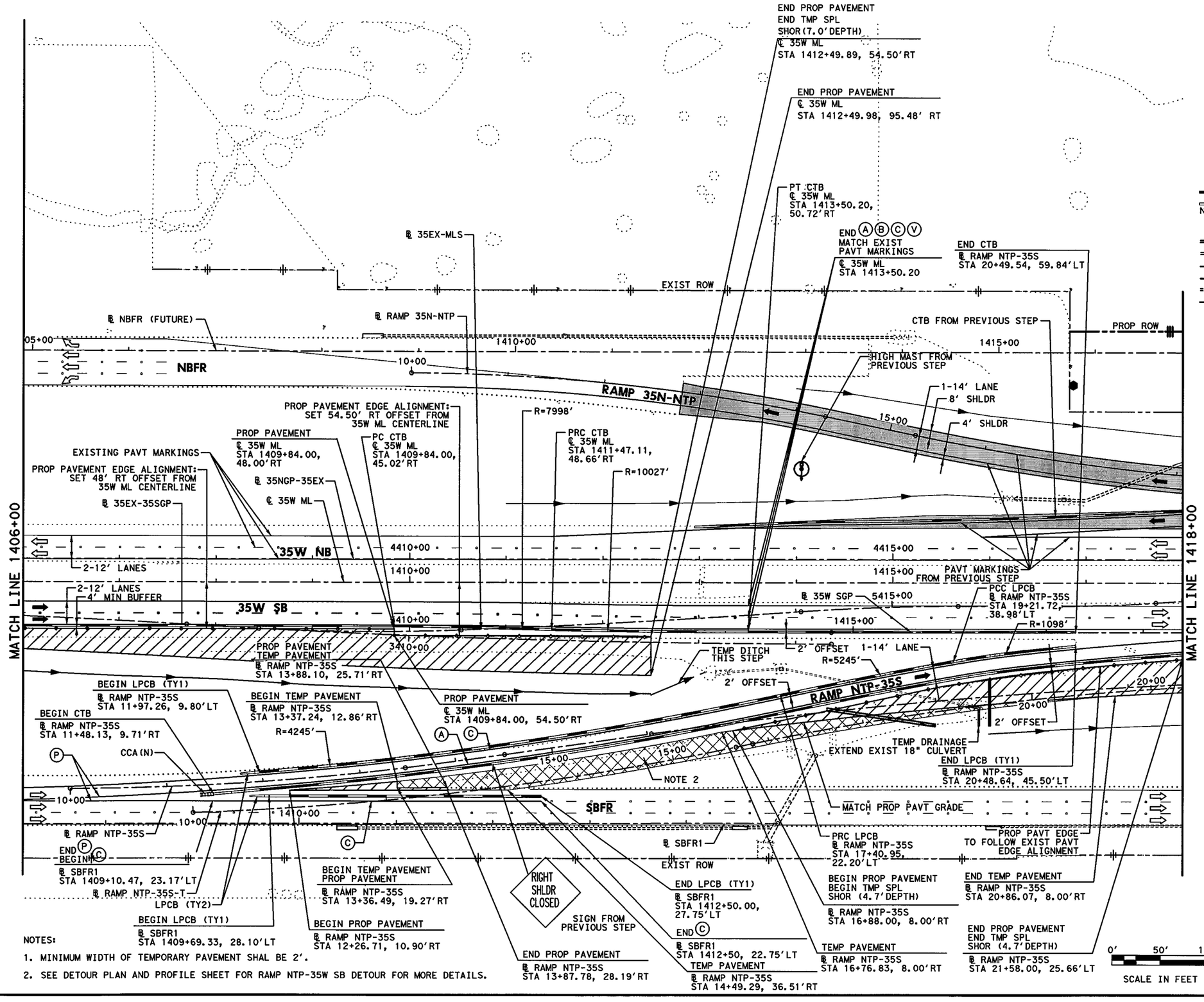
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 1

SCALE 1" = 100'
SHEET 1 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 447 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP31_01.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHAL BE 2'.
2. SEE DETOUR PLAN AND PROFILE SHEET FOR RAMP NTP-35W SB DETOUR FOR MORE DETAILS.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

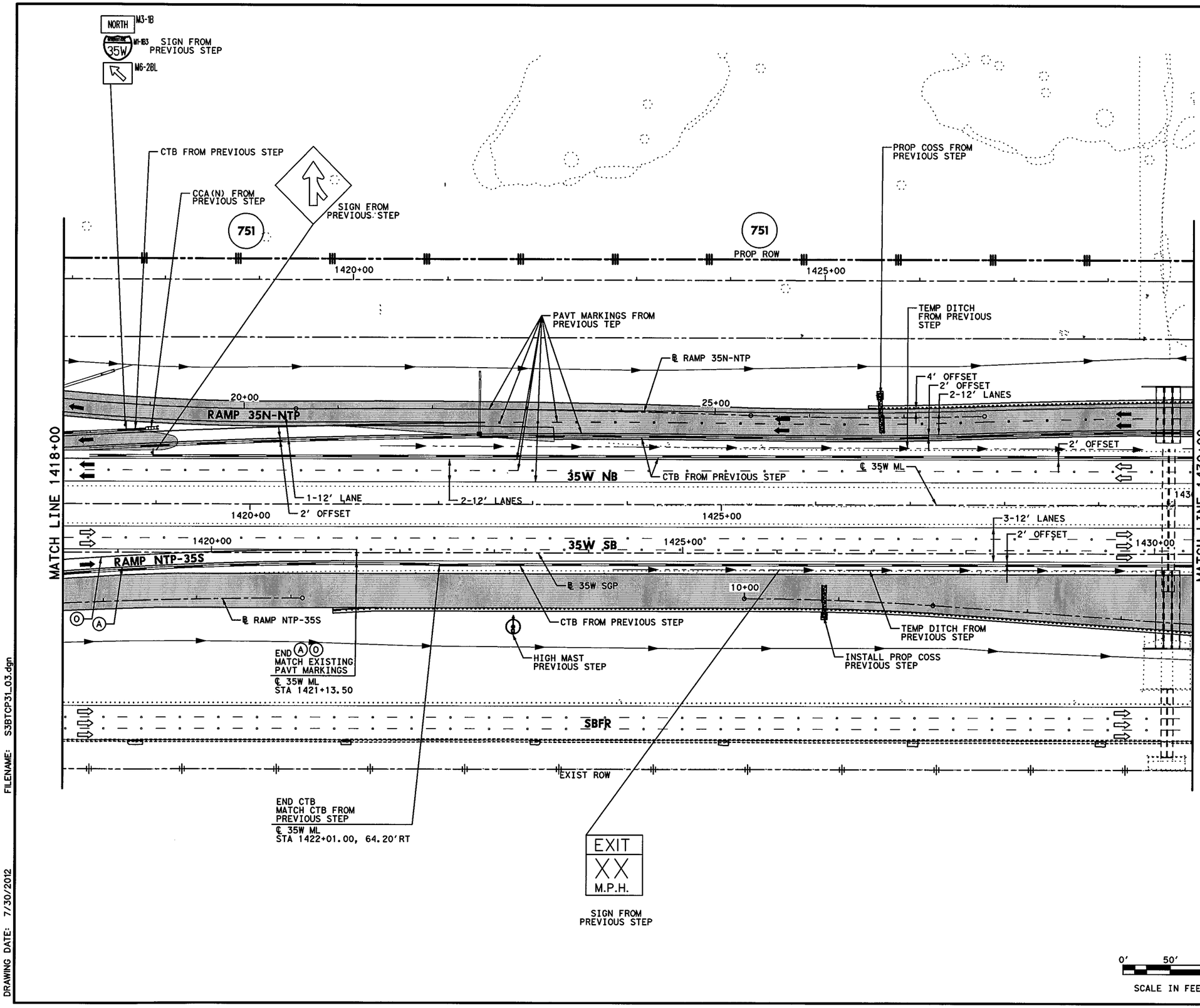
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

SCALE 1" = 100' SHEET 2 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 448 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP31_02.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

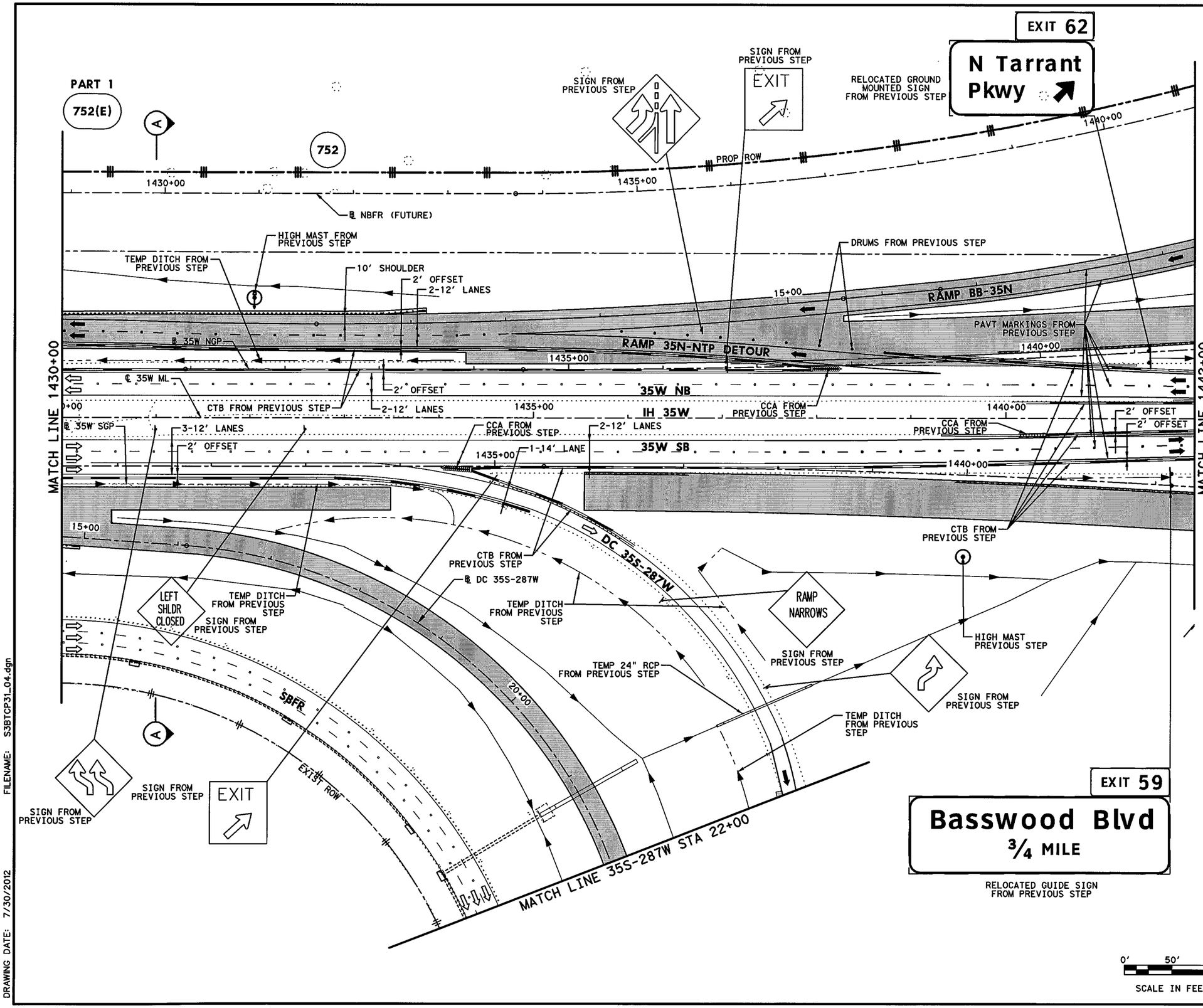
**TRAFFIC CONTROL PLAN**

**PHASE 3 STEP 1**

SCALE 1" = 100' SHEET 3 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 449 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP31_03.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

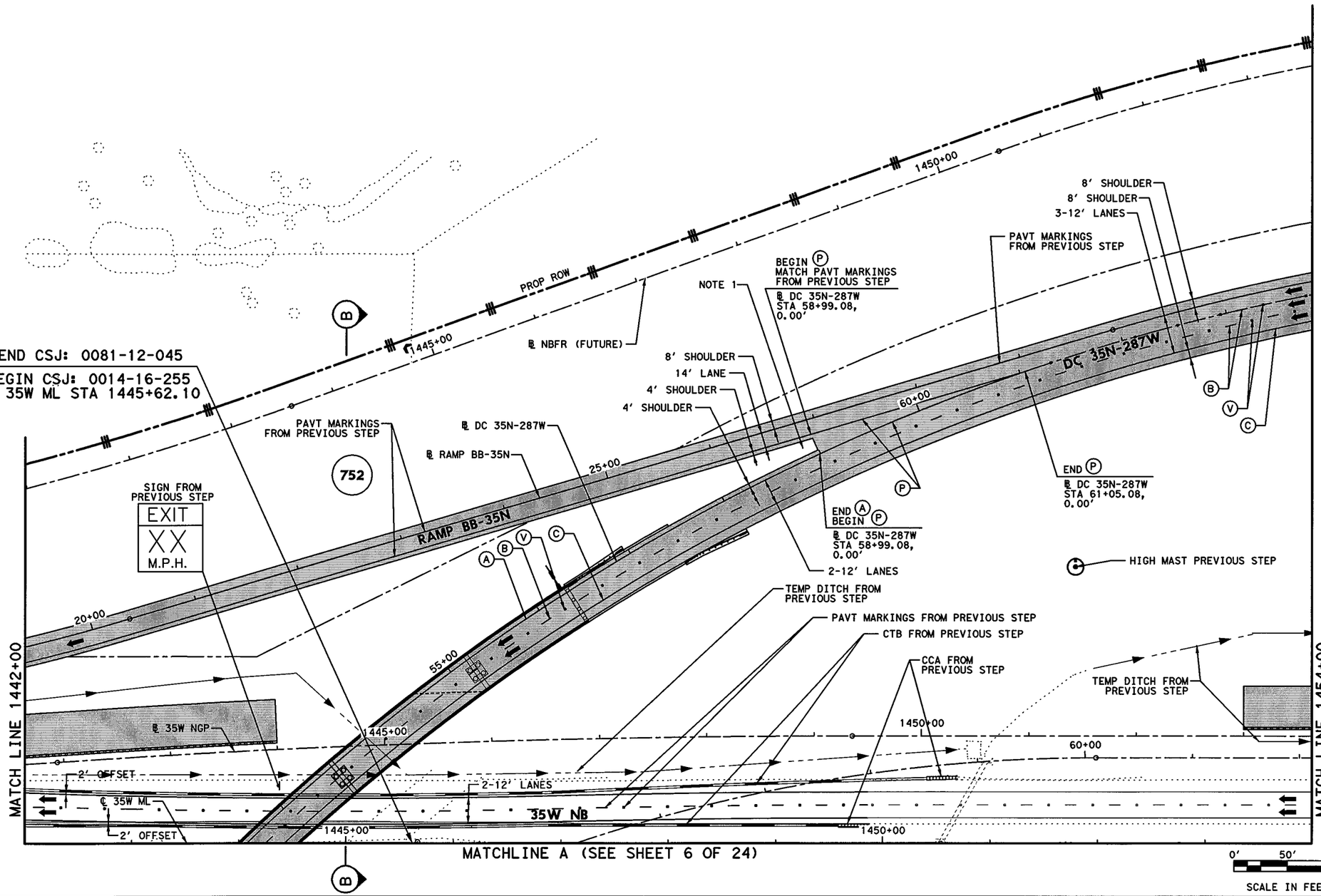
SCALE 1" = 100' SHEET 4 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 450 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP31_04.dgn
DRAWING DATE: 7/30/2012

NOTES:

1. PROPOSED TRAILBLAZER SIGNS TO DIRECT TRAFFIC. SEE SIGN LAYOUT SHEETS.
2. DETOUR IH 35W NB AND SB TRAFFIC DURING DEMOLITION OF EXISTING DC 35N-287W BRIDGE. SEE OFF-SITE DETOUR SHEETS FOR DETAILS.




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I.S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

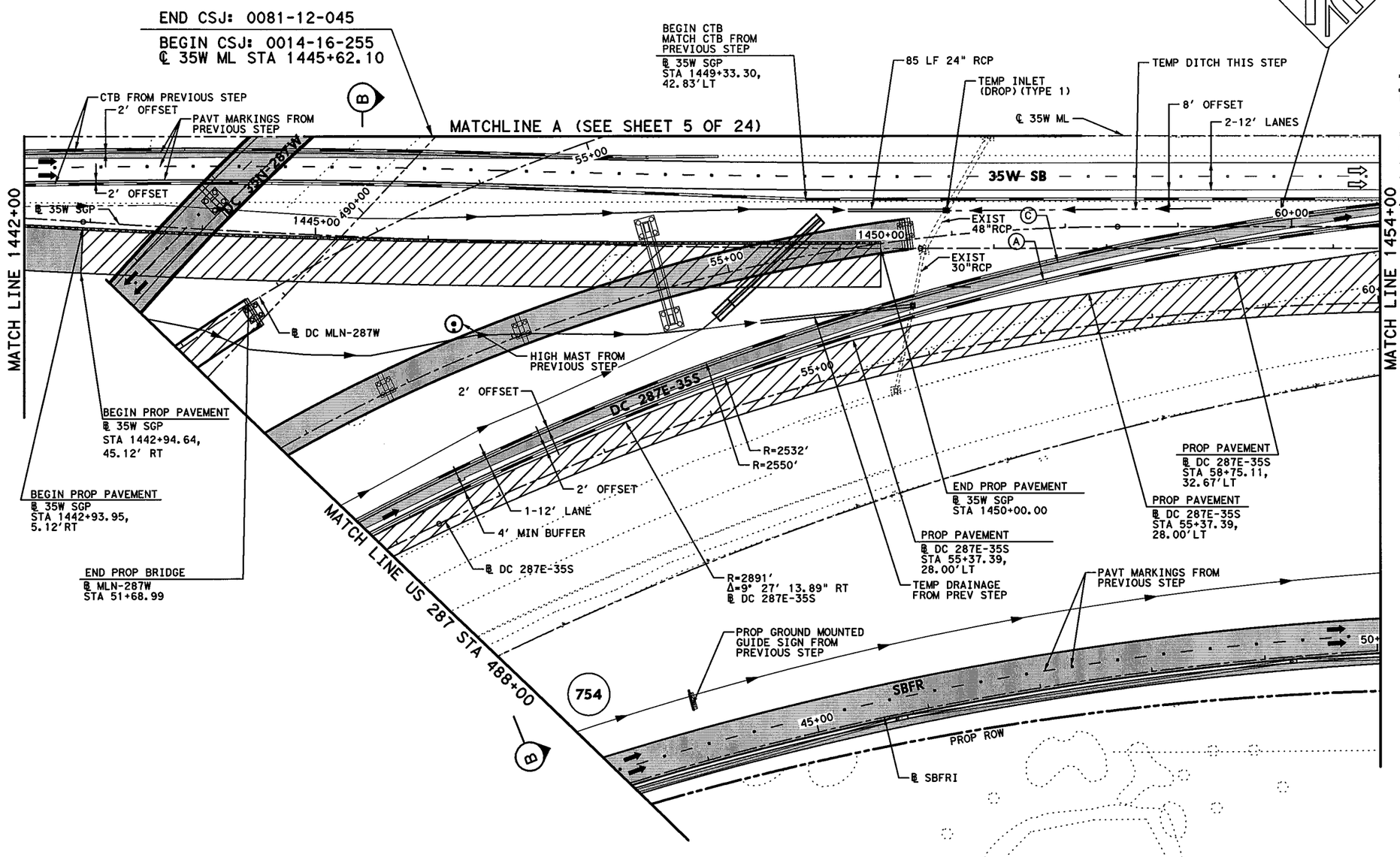
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

SCALE 1" = 100' SHEET 5 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 451 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP31_05.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

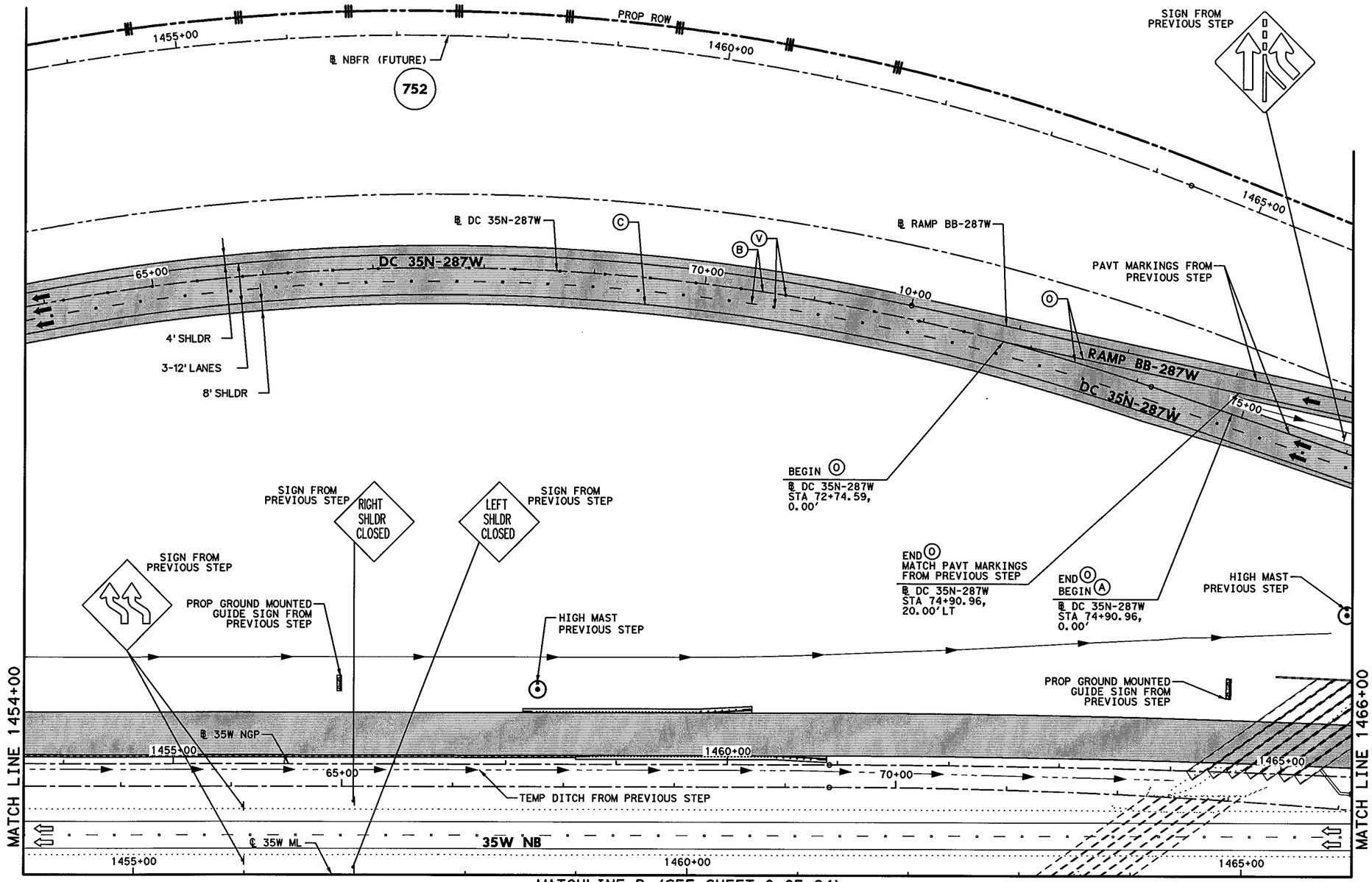
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

SCALE 1" = 100' SHEET 6 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 452 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP31_06.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

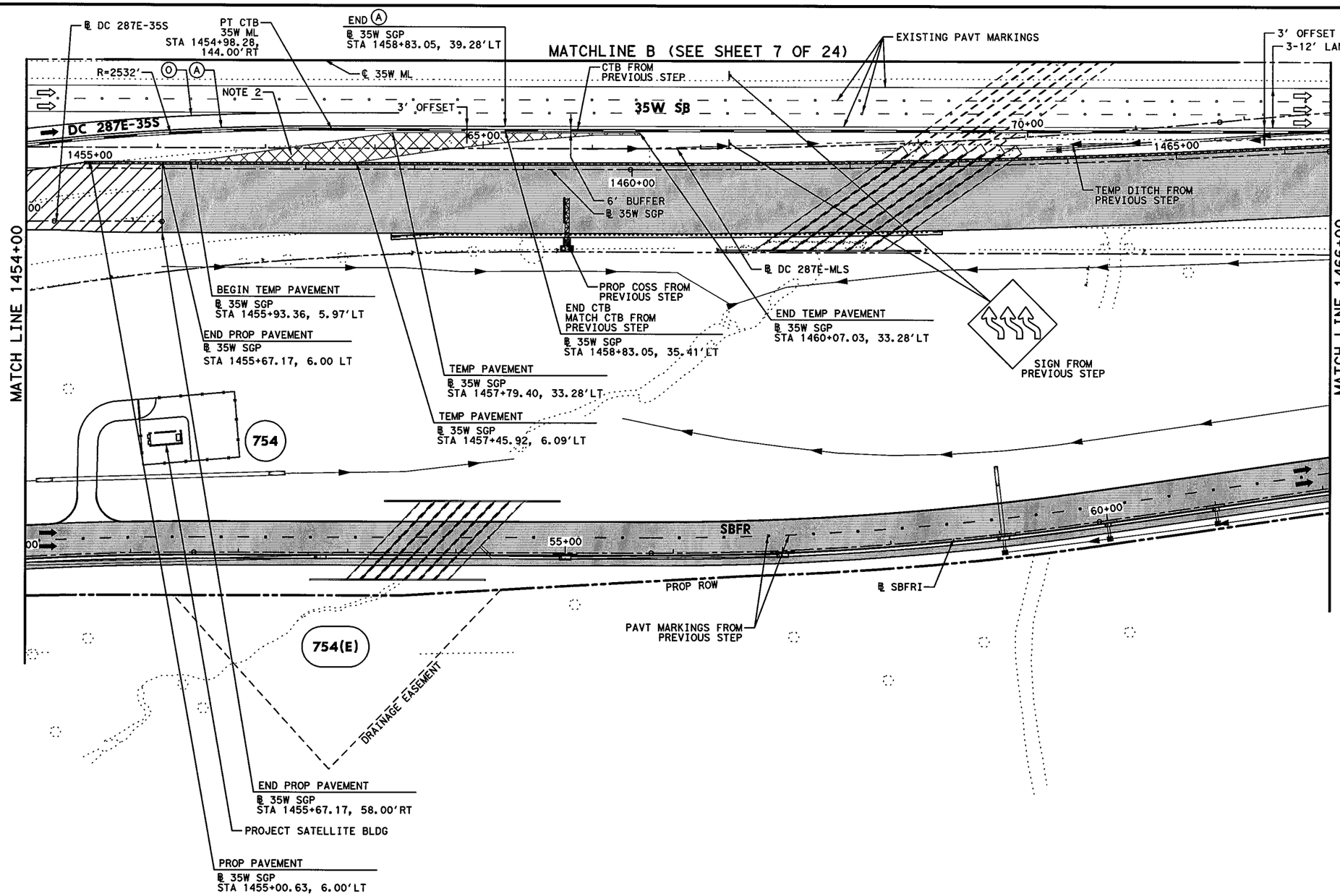
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

SCALE 1" = 100' SHEET 7 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 453 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF / SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP31_07.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:
1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
2. SEE DETOUR PLAN AND PROFILE SHEET FOR DC 287E-35S DETOUR FOR MORE DETAILS.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

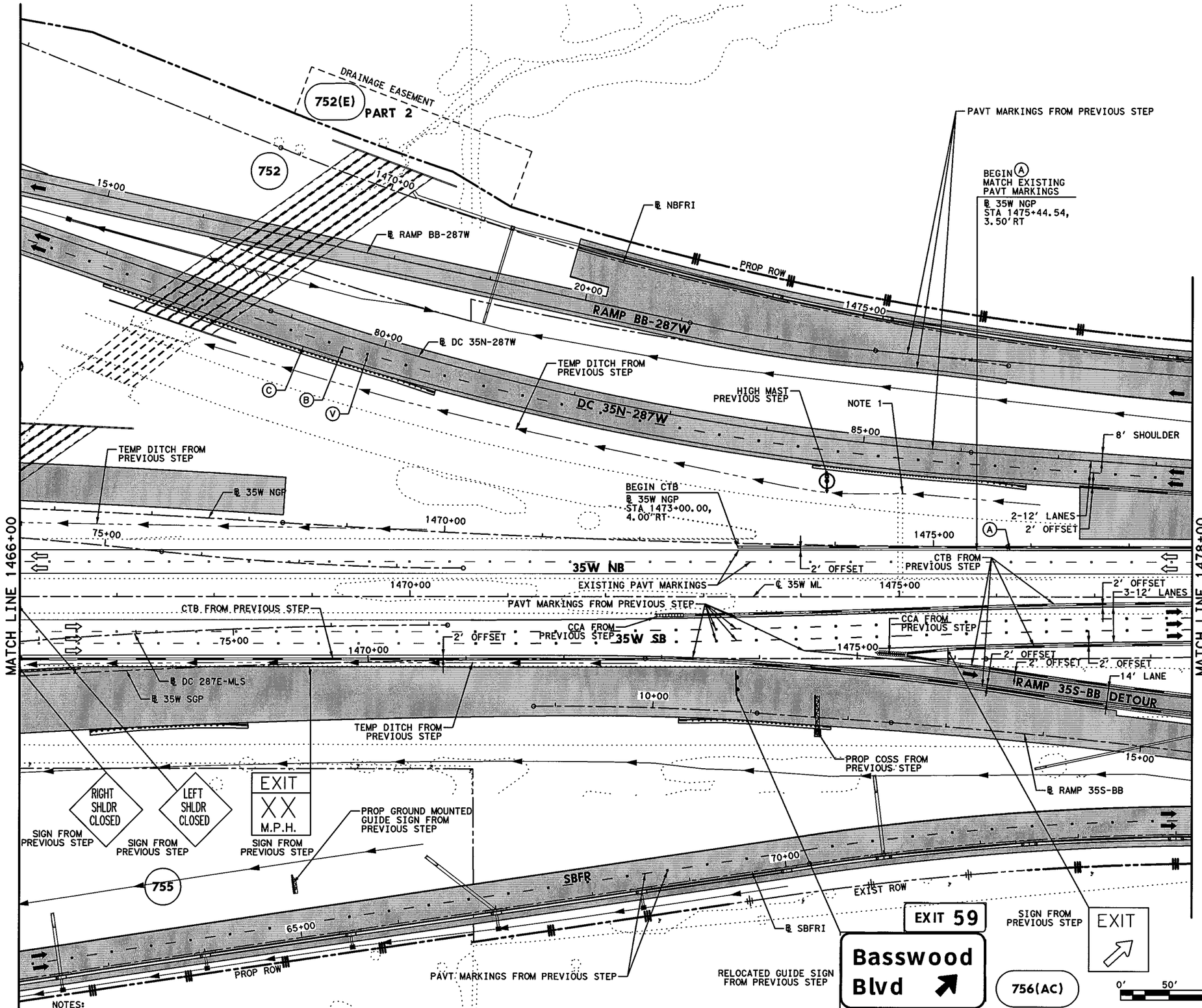
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

SCALE 1" = 100' SHEET 8 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 454 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP31_08.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. MOVE EXISTING DC 35W NB TO US 287 WB GUIDE SIGN PANEL FROM OSB AT STATION 1475+00 TO LARGE GROUND MOUNTED SIGN AT STA 1489+10 ℄ 35W ML PRIOR TO TRAFFIC SHIFT TO NEW DC PAVEMENT.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

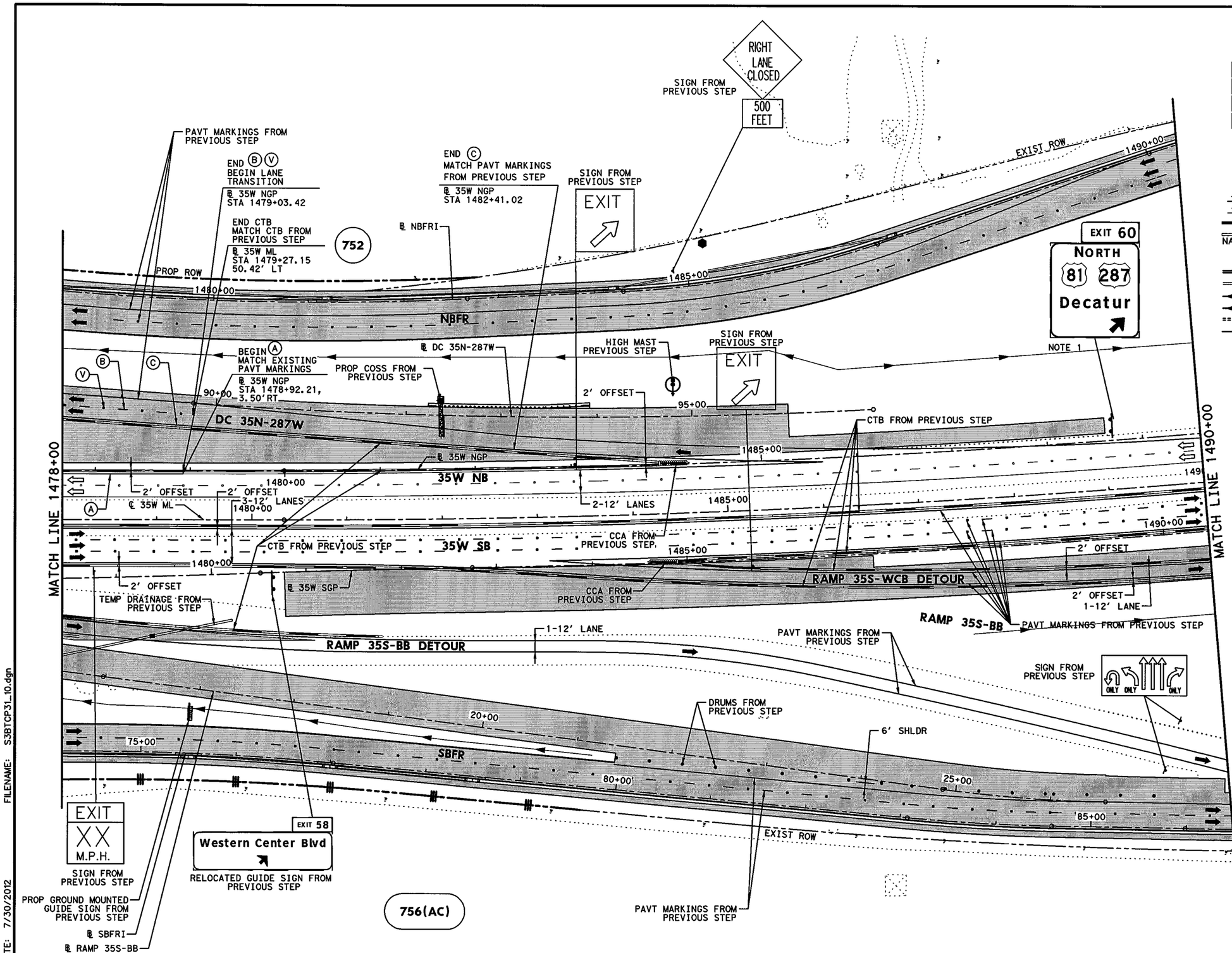
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

SCALE 1" = 100' SHEET 9 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 455 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP31_09.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

NOTES:

1. MOVE EXISTING DC 35W NB TO US 287 WB GUIDE SIGN PANEL FROM OSB AT STA 1475+00 ℄ 35W ML TO LARGE GROUND MOUNTED SIGN AT STA 1489+10 ℄ 35W ML PRIOR TO TRAFFIC SHIFT TO NEW DC PAVEMENT.

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**

**PHASE 3 STEP 1**

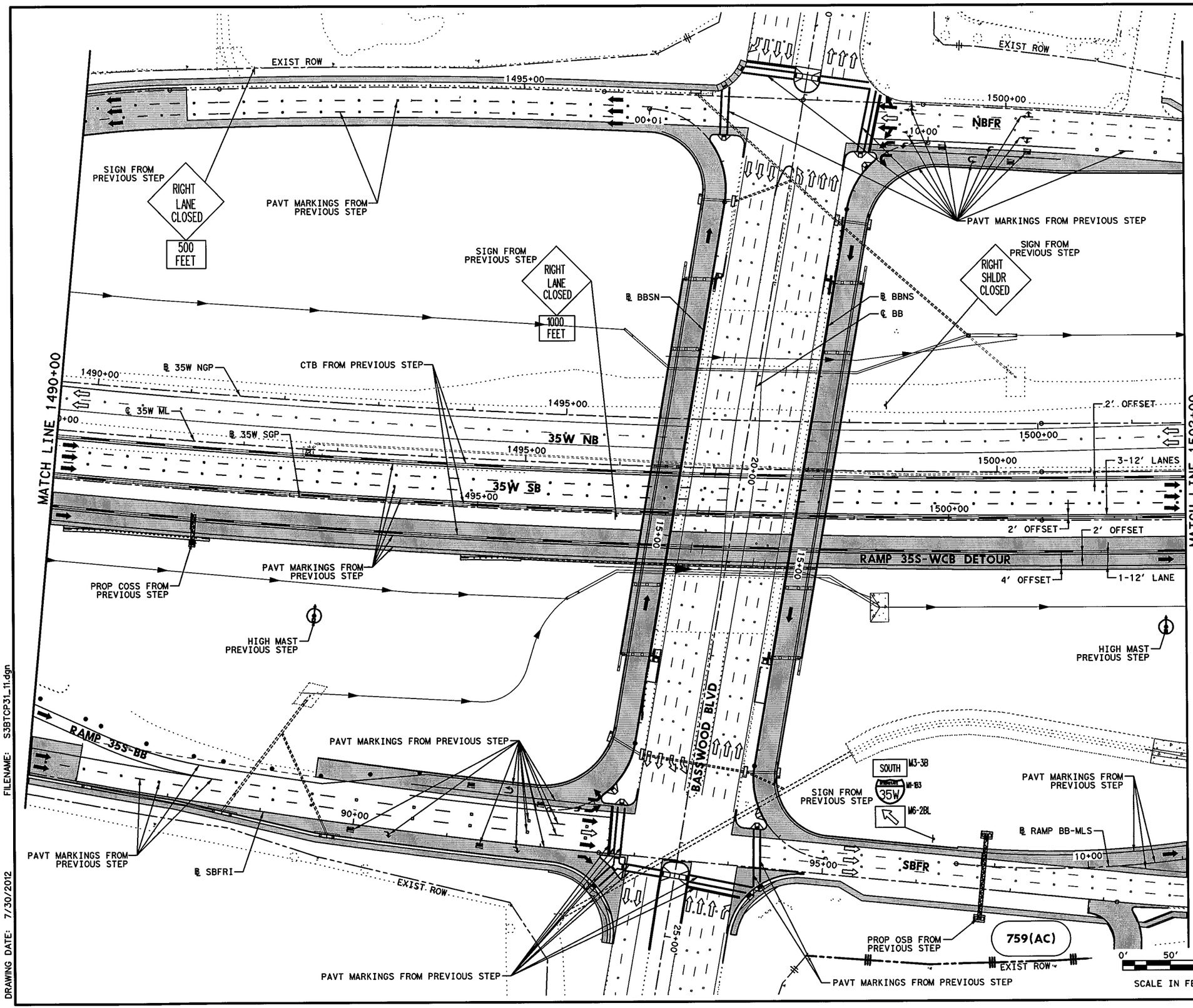
SCALE 1" = 100'

SHEET 10 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 456 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP31_10.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE — LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 1

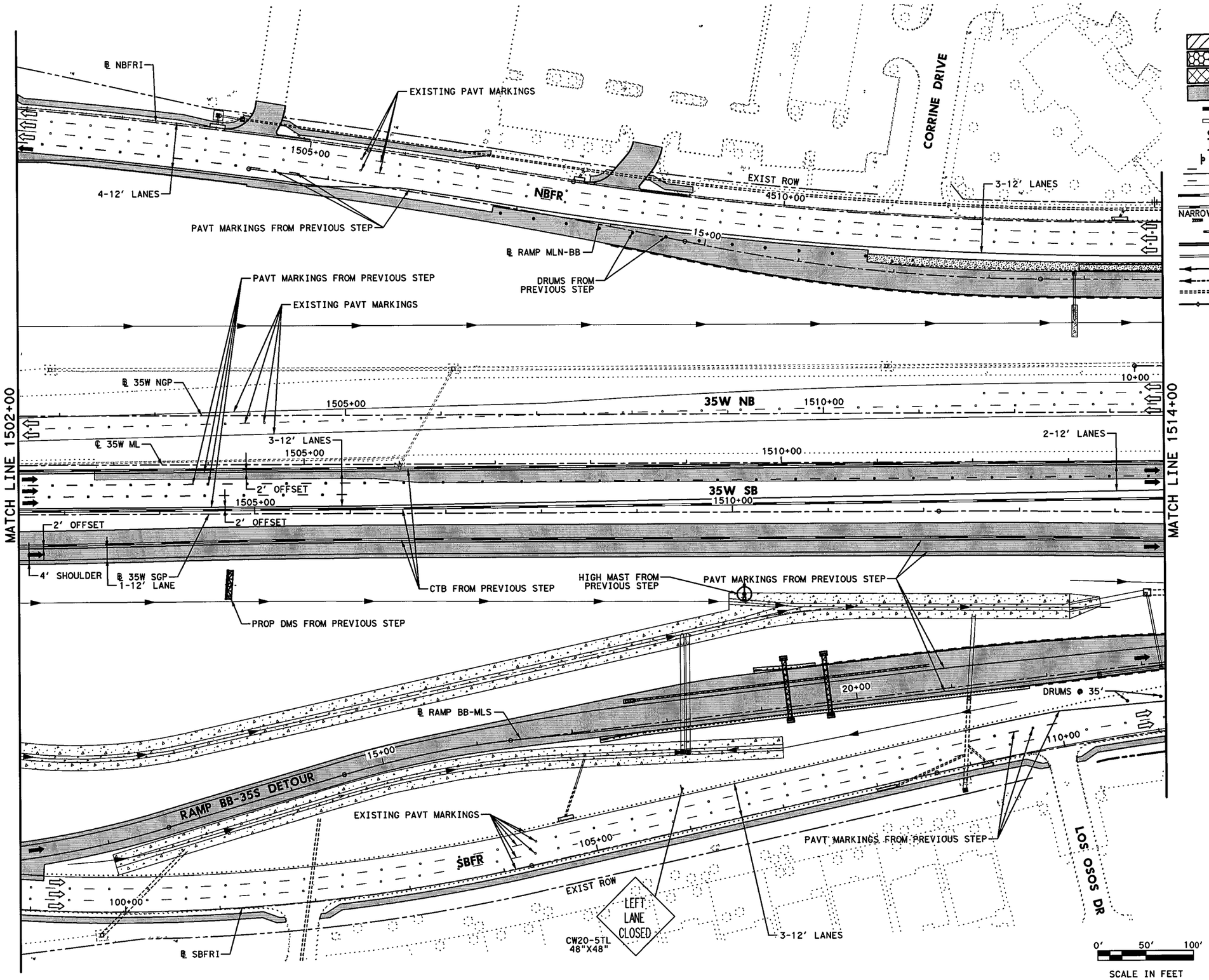
SCALE 1" = 100'

SHEET 11 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 457 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP31_11.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

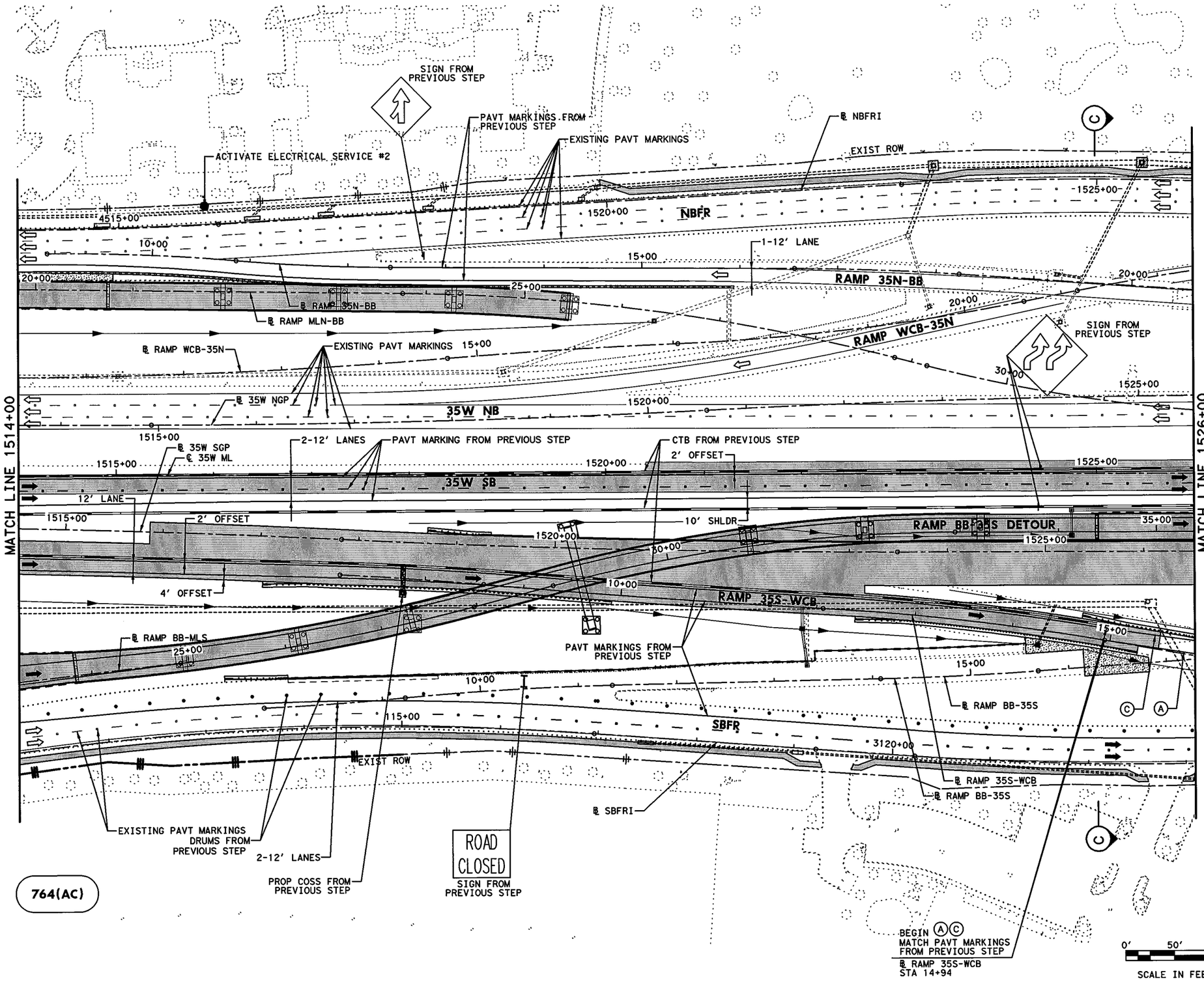
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

SCALE 1" = 100' SHEET 12 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 458 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S35BTCP31_12.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE — LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

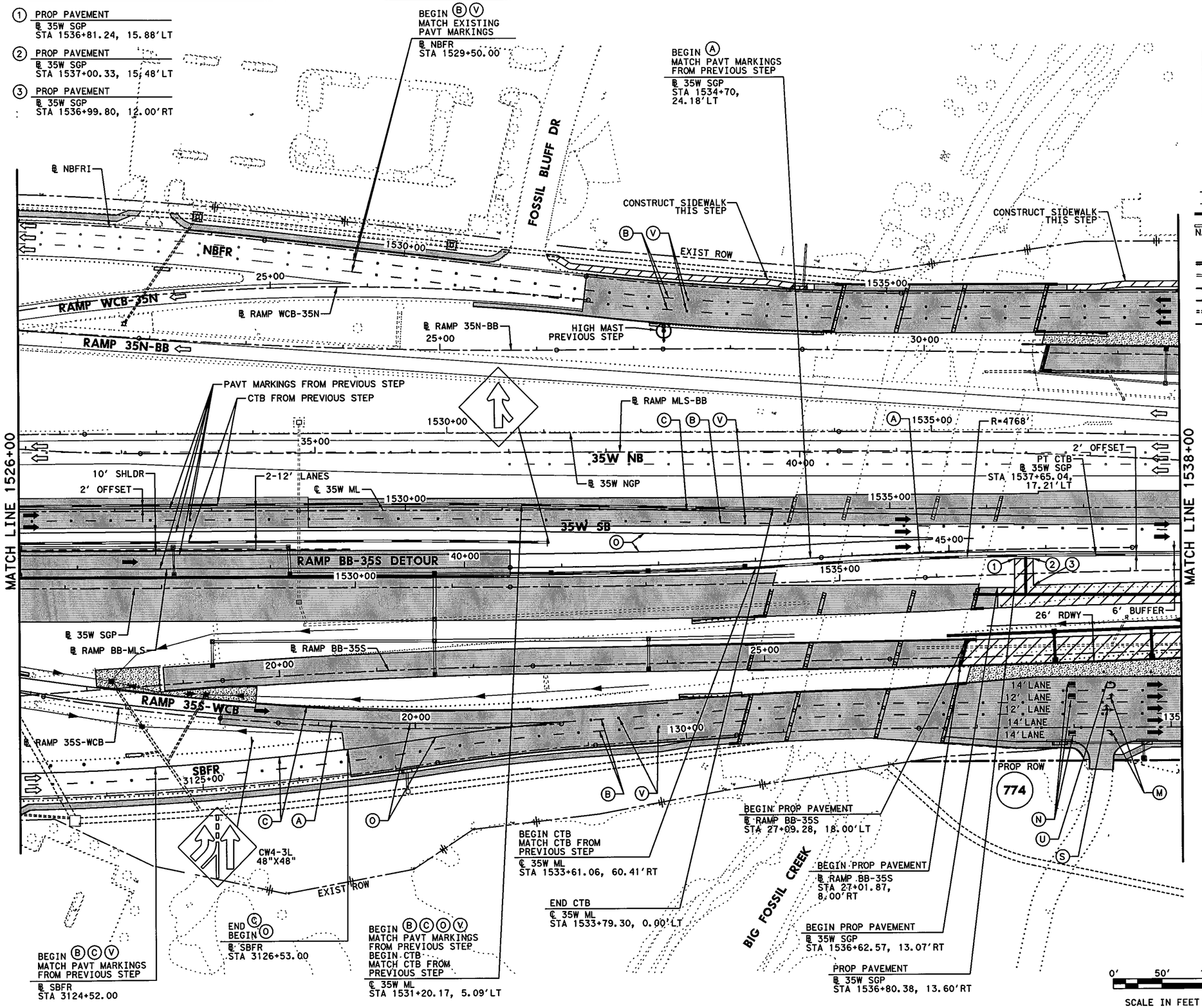
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

SCALE 1" = 100' SHEET 13 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 459 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP31_13.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

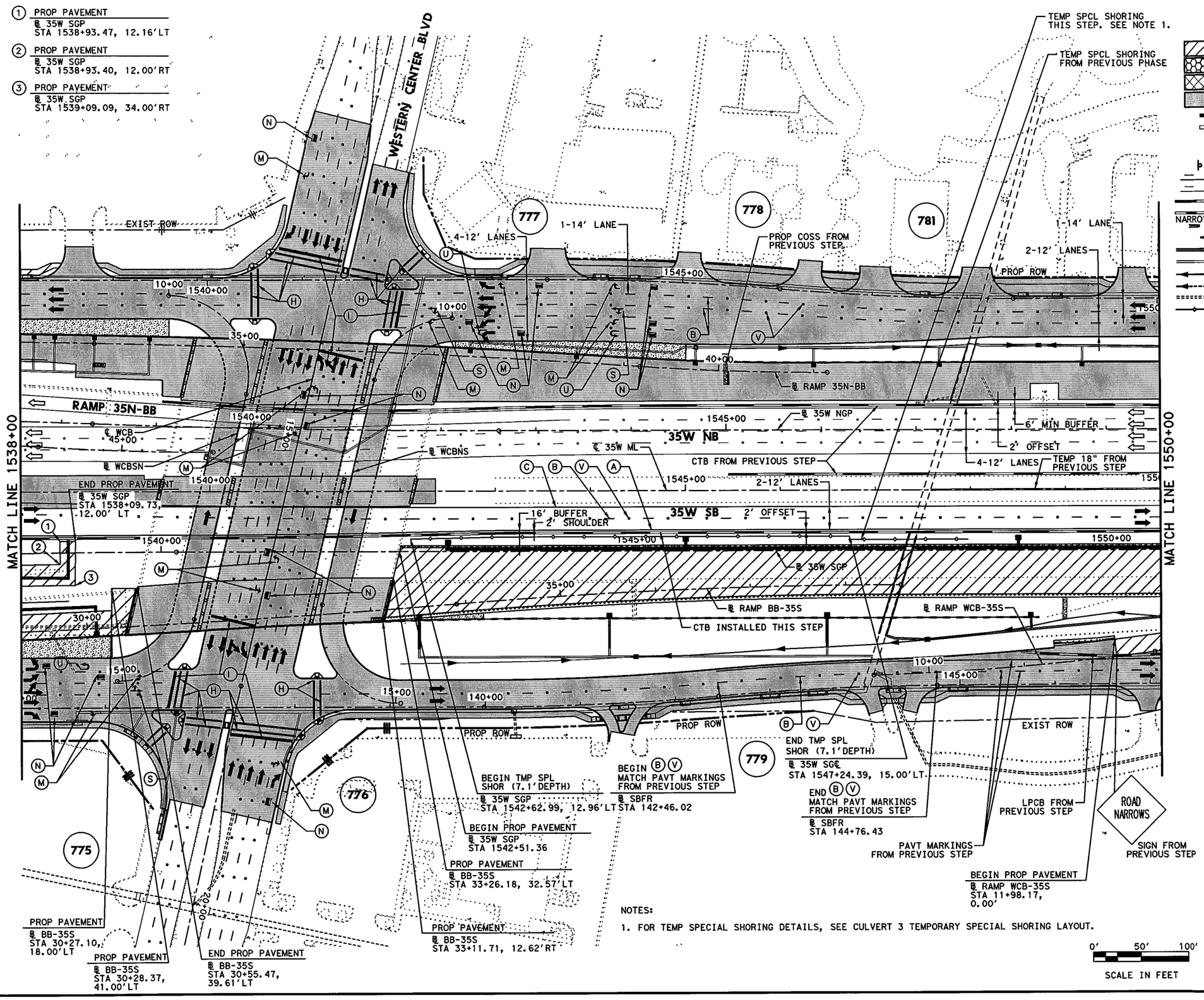
# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 1

SCALE 1" = 100'

SHEET 14 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 460 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP31_14.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. FOR TEMP SPECIAL SHORING DETAILS, SEE CULVERT 3 TEMPORARY SPECIAL SHORING LAYOUT.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**

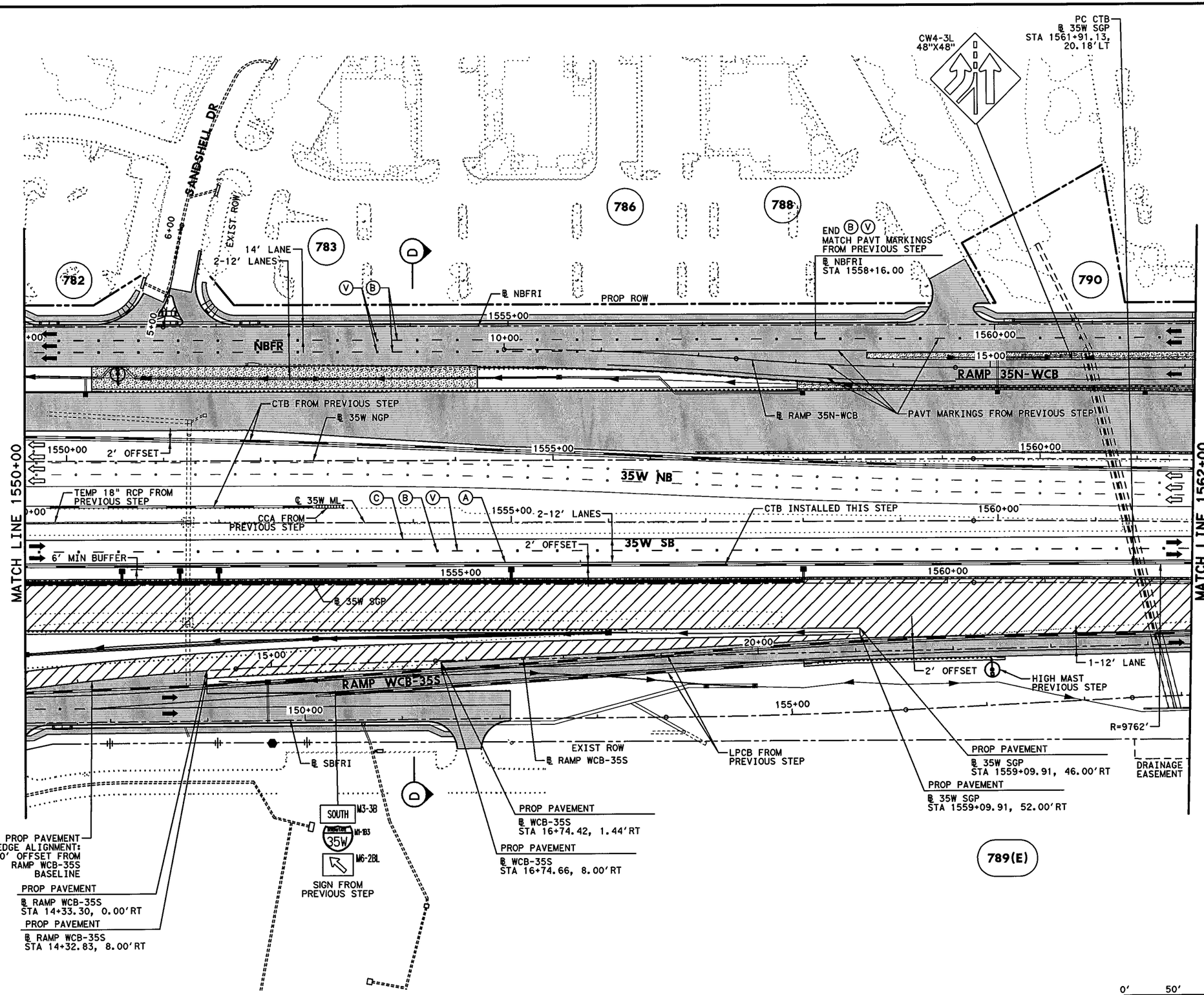
**PHASE 3 STEP 1**

SCALE 1" = 100' SHEET 15 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 461 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP31_15.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 1

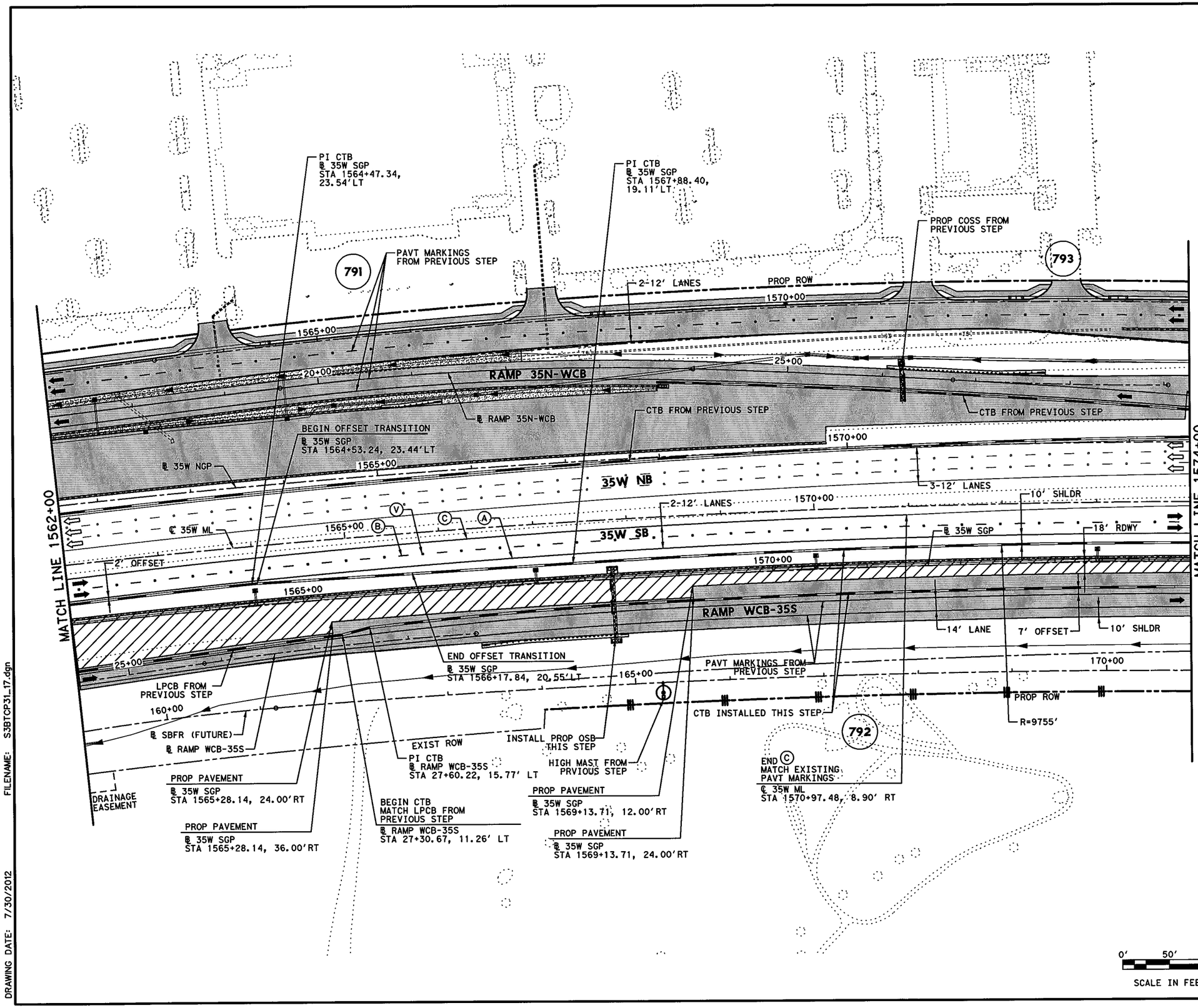
SCALE 1" = 100'

SHEET 16 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 462 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP31_16.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
W. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

W. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

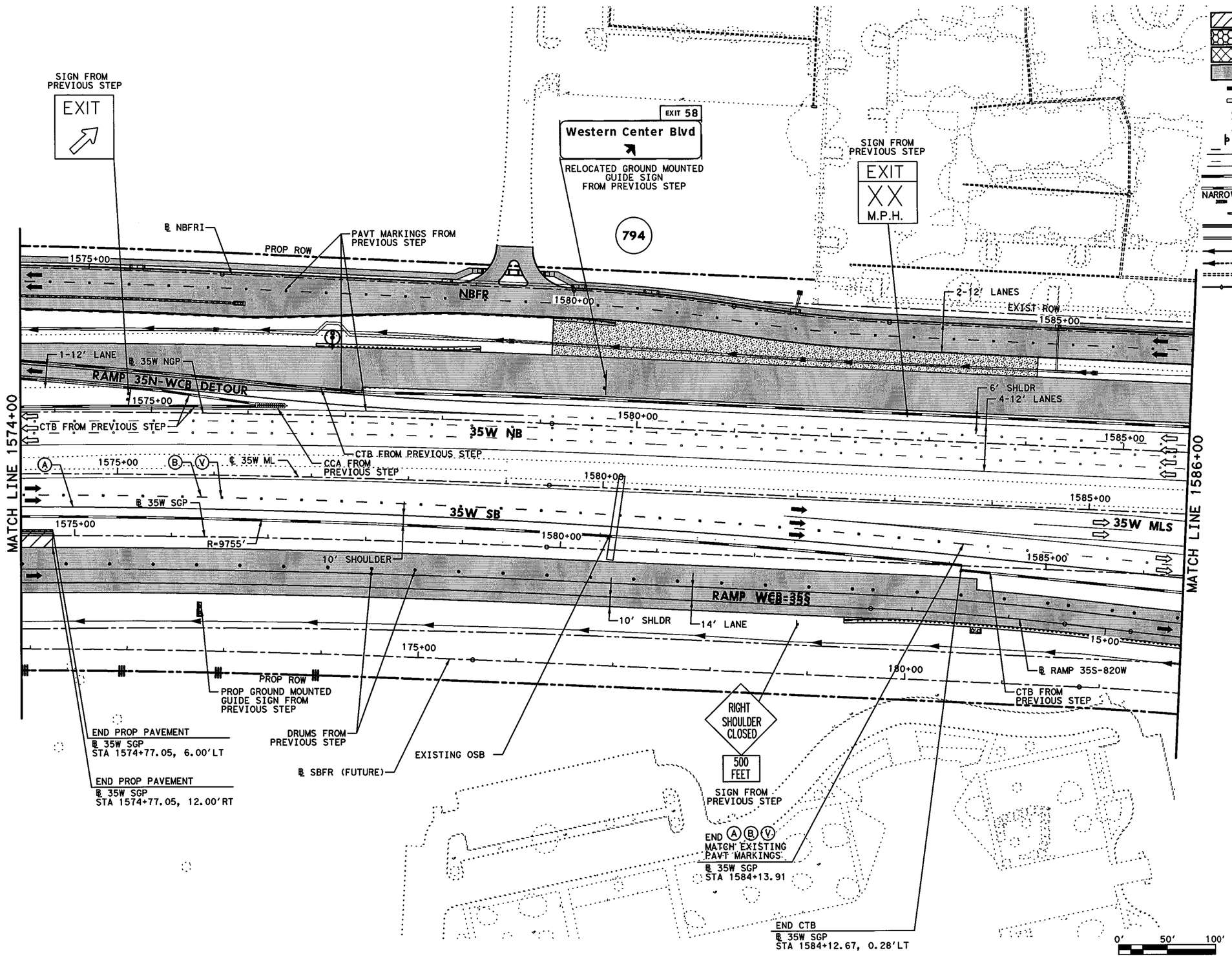
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 1

SCALE 1" = 100' SHEET 17 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 463 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCP31_17.dgn




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

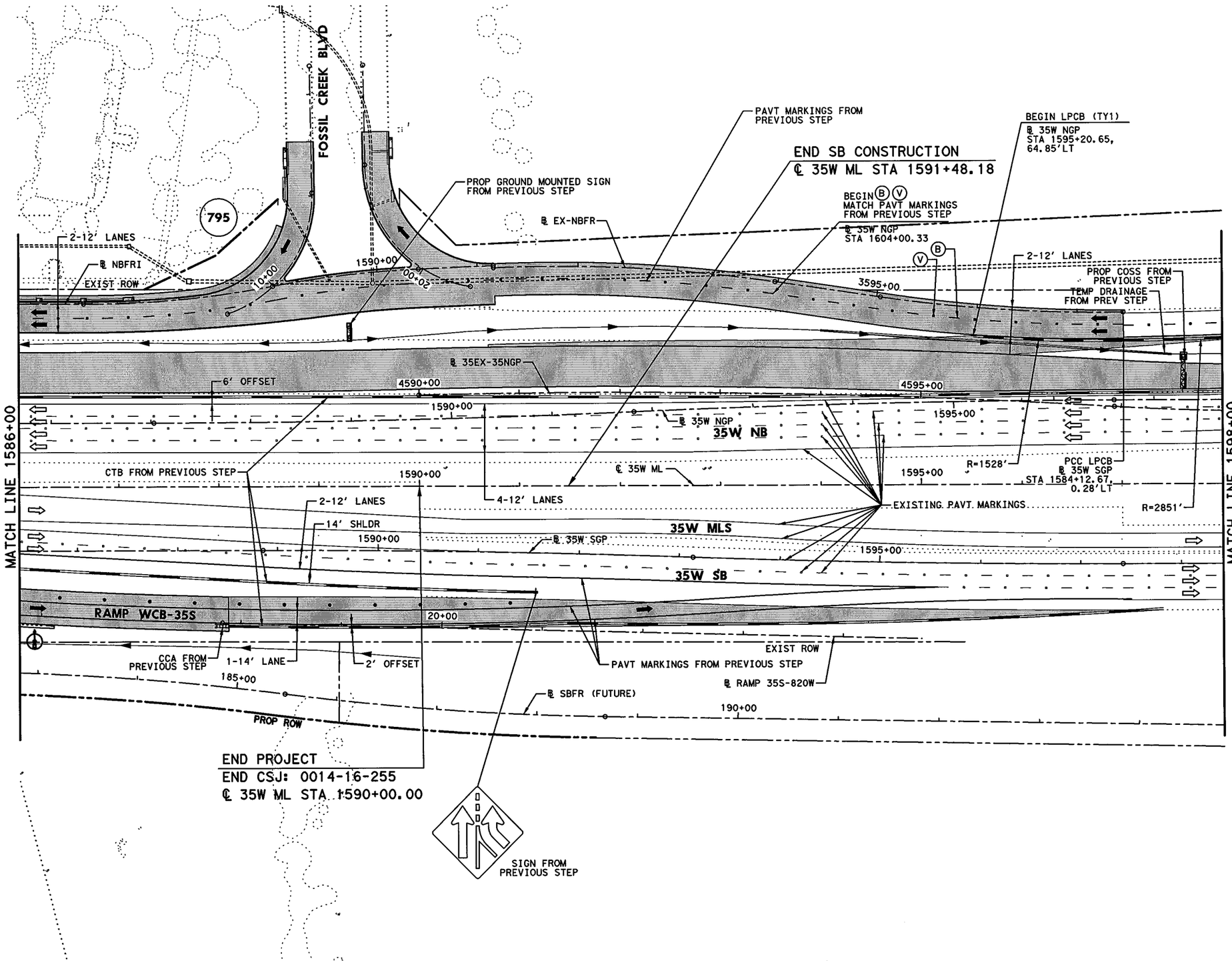
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

SCALE 1" = 100' SHEET 18 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 464 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP31_18.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 465 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP31_19.dgn
DRAWING DATE: 7/30/2012

END LPCB (TY 1)
℄ 35W NGP
STA 1598+13.72,
63.65' LT

LPCB (TY2)

EXIST ROW

END Ⓑ Ⓥ
MATCH EXIST
PAVT MARKINGS
℄ 35W NGP
STA 1604+00.33

NBFR

Ⓥ Ⓑ

CCA FROM PREVIOUS STEP

CTB FROM PREVIOUS STEP

35W NB

4605+00

END NB CONSTRUCTION
℄ 35W ML STA 1608+76.65

RIGHT SHLDR CLOSED

SIGN FROM PREVIOUS STEP

℄ 35EX-35NGP

1600+00

1605+00

4600+00

℄ 35W NGP

MATCH LINE 1598+00

IH 35W

1600+00

℄ 35W ML

1605+00

MATCH LINE 1610+00

PAVT MARKINGS
FROM PREVIOUS STEP

℄ 35W SGP

35W MLS

1600+00

1605+00

1610+00

35W SB

℄ SBFR (FUTURE)

95+00

200+00

PROP ROW

0' 50' 100'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
## PHASE 3 STEP 1

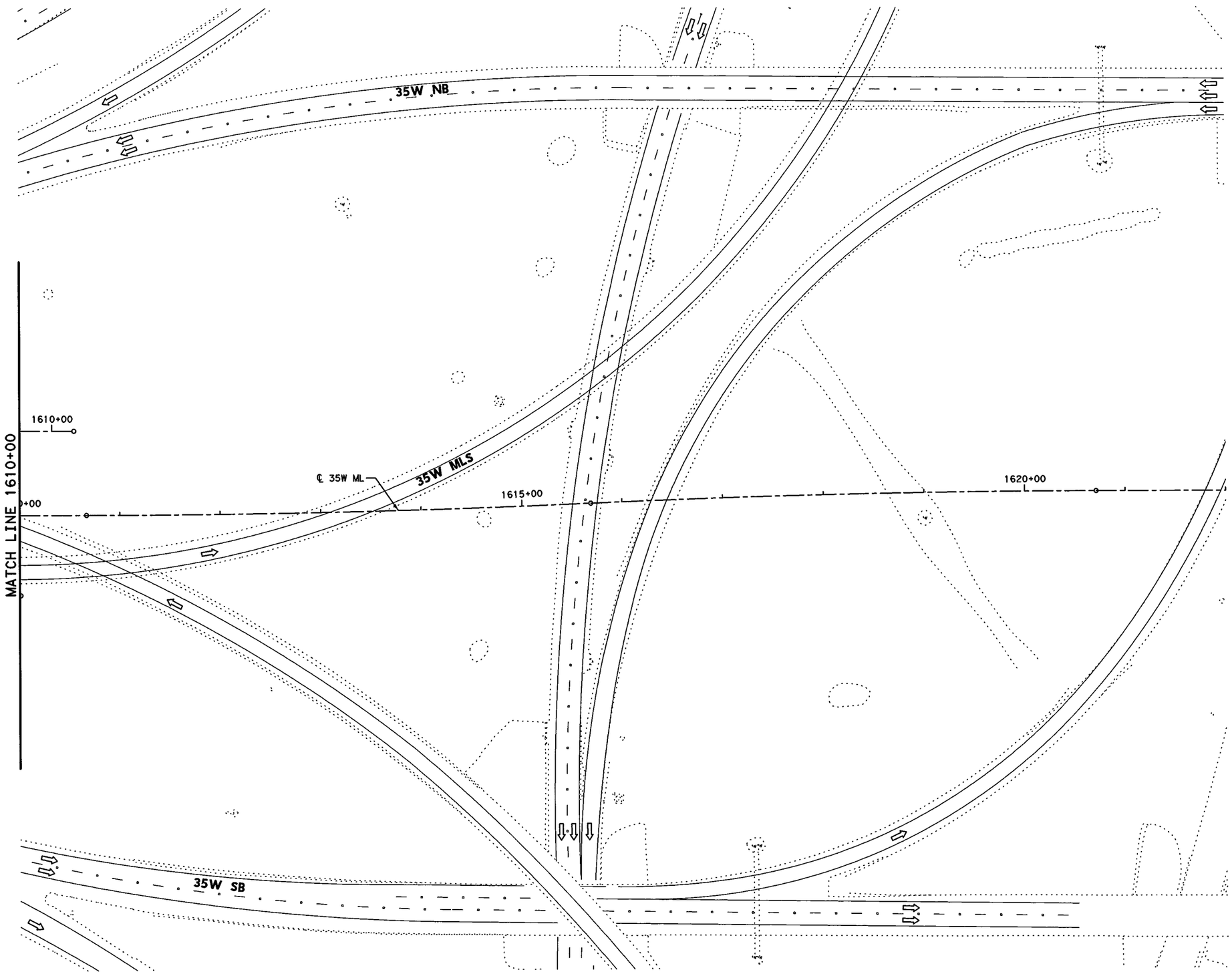
SCALE 1" = 100'

SHEET 20 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 466 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP31_20.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

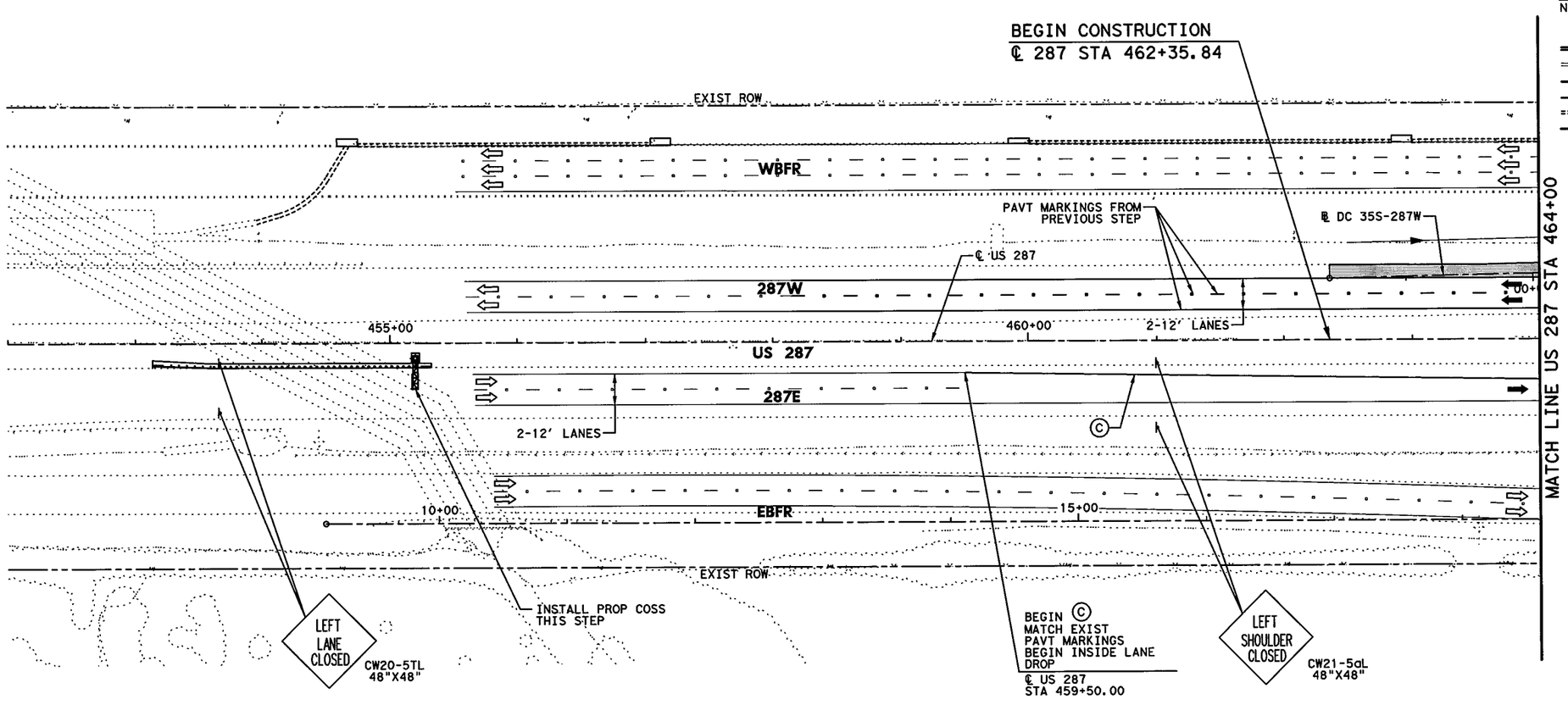
**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

SCALE 1" = 100'

SHEET 21 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 467 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP31_21.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER
M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

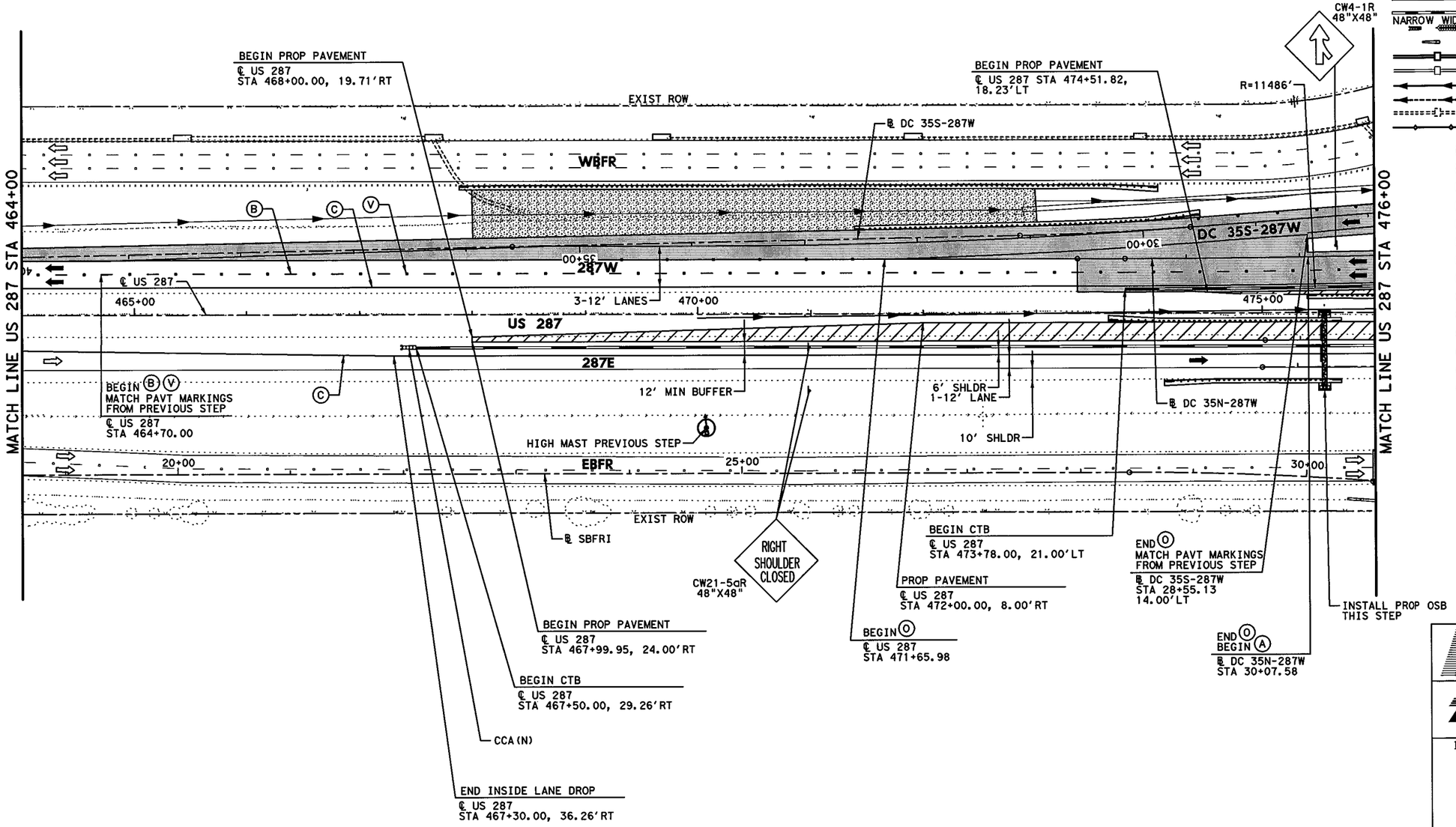
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

SCALE 1" = 100' SHEET 22 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 468 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP31_22.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

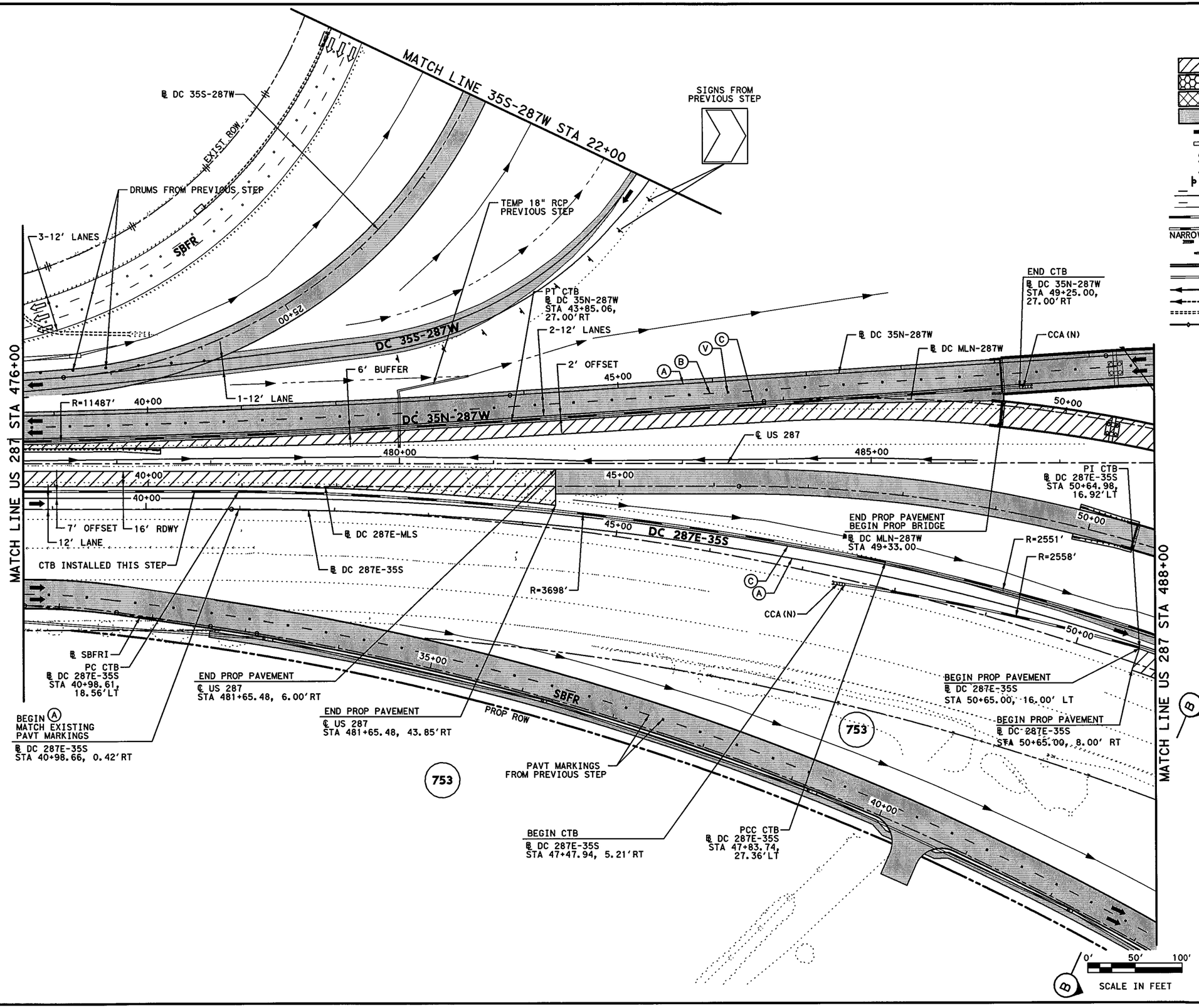
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

SCALE 1" = 100' SHEET 23 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 469 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP31_23.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
W. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 1**

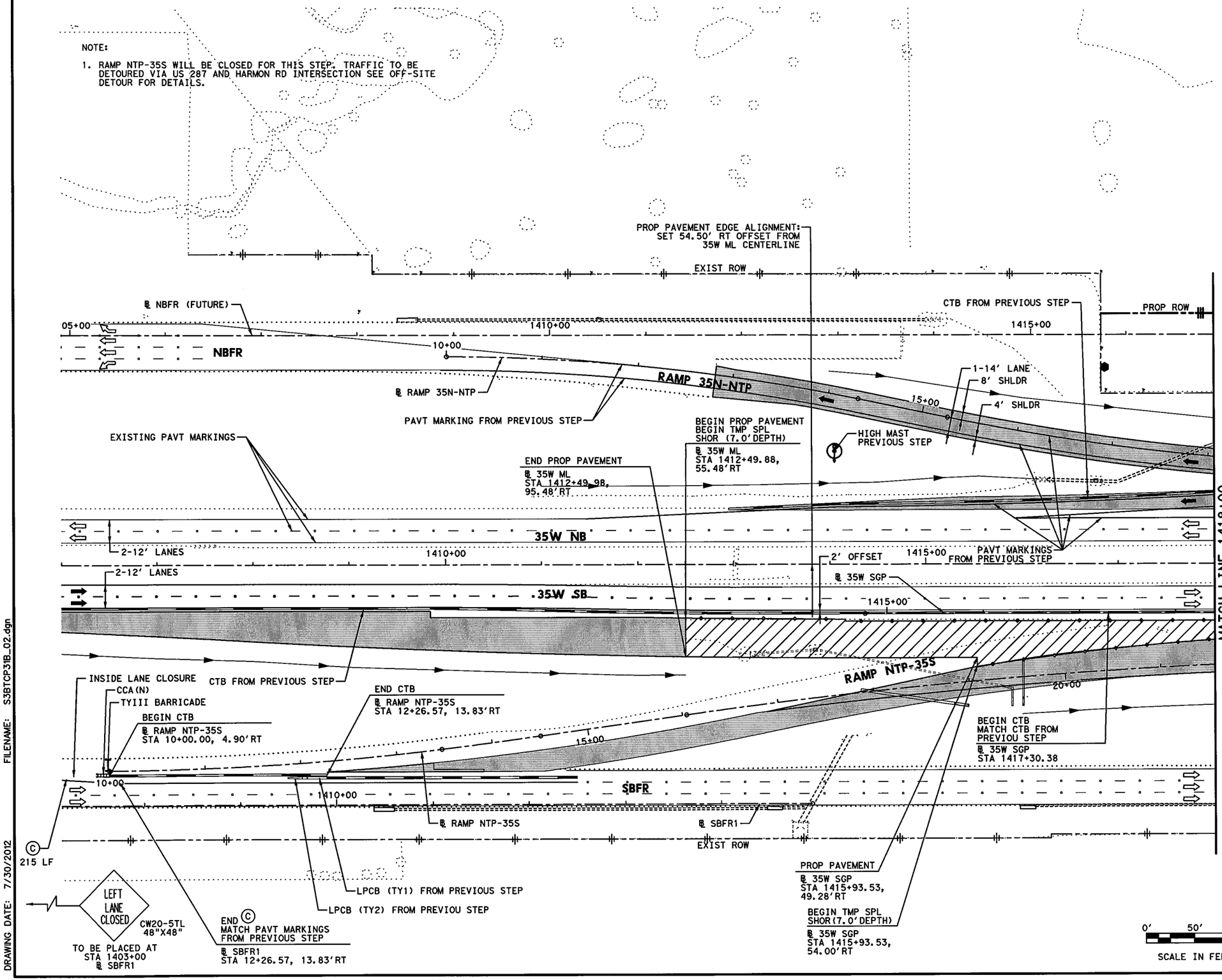
SCALE 1" = 100' SHEET 24 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 470 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP31_24.dgn
DRAWING DATE: 7/30/2012

NOTE:

1. RAMP NTP-35S WILL BE CLOSED FOR THIS STEP. TRAFFIC TO BE DETOURED VIA US 287 AND HARMON RD INTERSECTION SEE OFF-SITE DETOUR FOR DETAILS.




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

- (A) WK ZN PAV MRK REMOV (W) 4" (SLD)
- (B) WK ZN PAV MRK REMOV (W) 4" (BRK)
- (C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
- (G) WK ZN PAV MRK REMOV (W) 8" (SLD)
- (H) WK ZN PAV MRK REMOV (W) 12" (SLD)
- (I) WK ZN PAV MRK REMOV (W) 24" (SLD)
- (M) WK ZN PAV MRK REMOV (W)(ARROW)
- (N) WK ZN PAV MRK REMOV (W)(WORD)
- (O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
- (P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
- (S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
- (T) WK ZN PAV MRK REMOV (W) 4" (DOT)
- (U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
- (V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 1B

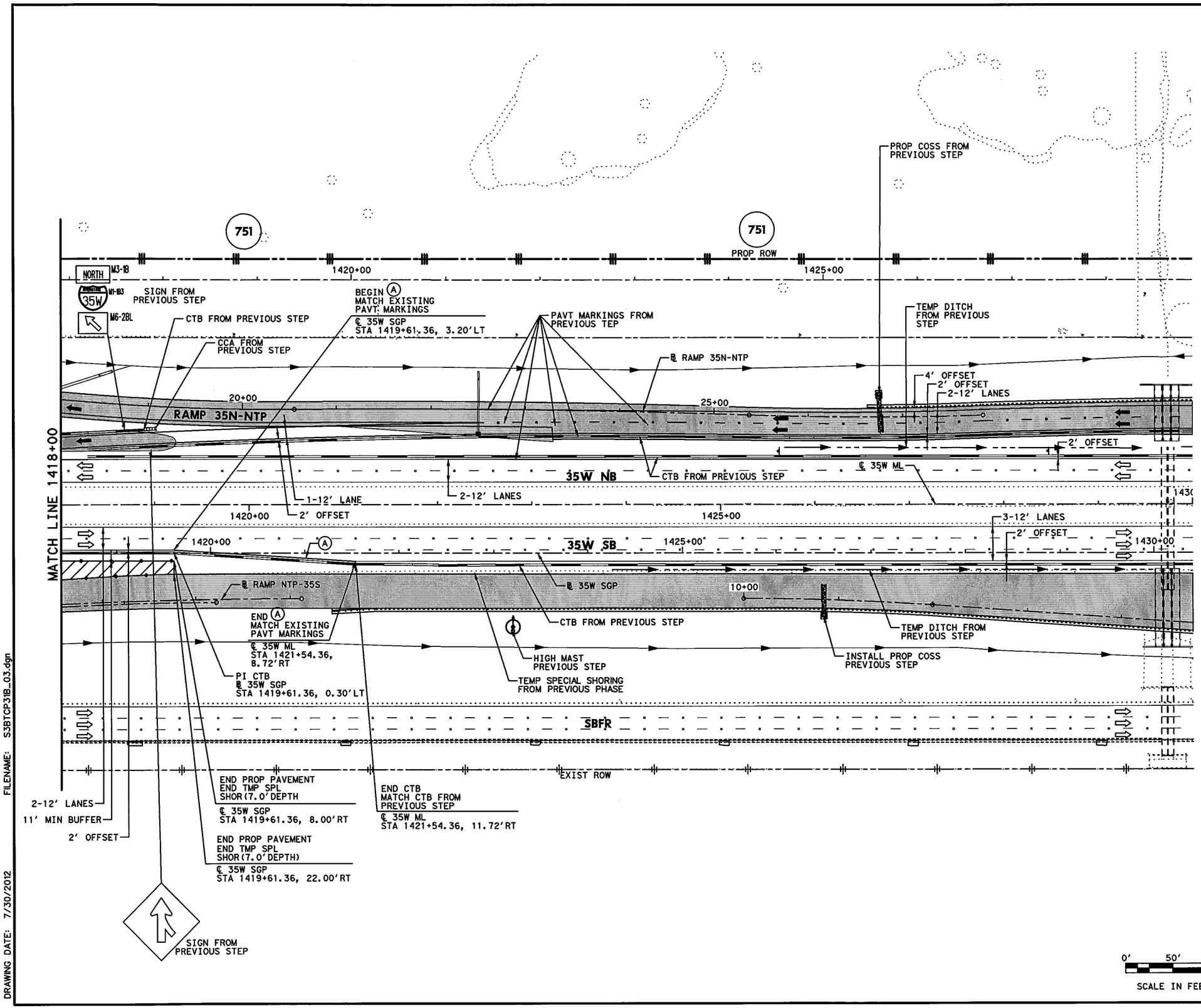
SCALE 1" = 100'

SHEET 1 OF 2

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 470A |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP31B_02.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

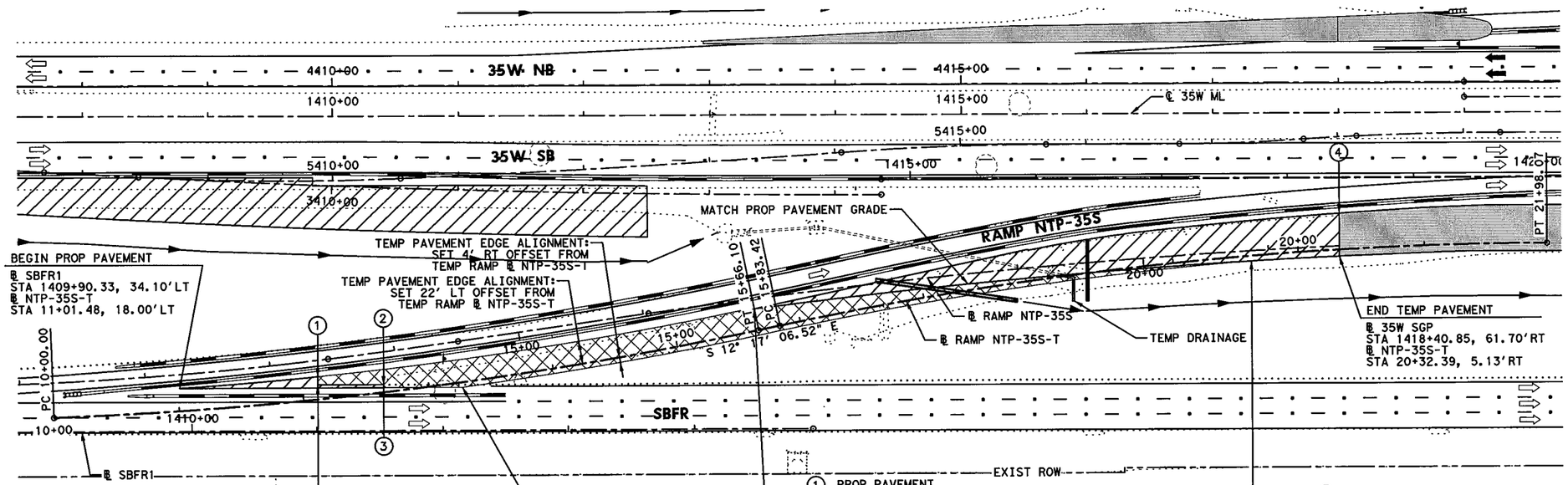
**TRAFFIC CONTROL PLAN**

**PHASE 3 STEP 1B**

SCALE 1" = 100' SHEET 2 OF 2

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 470B |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

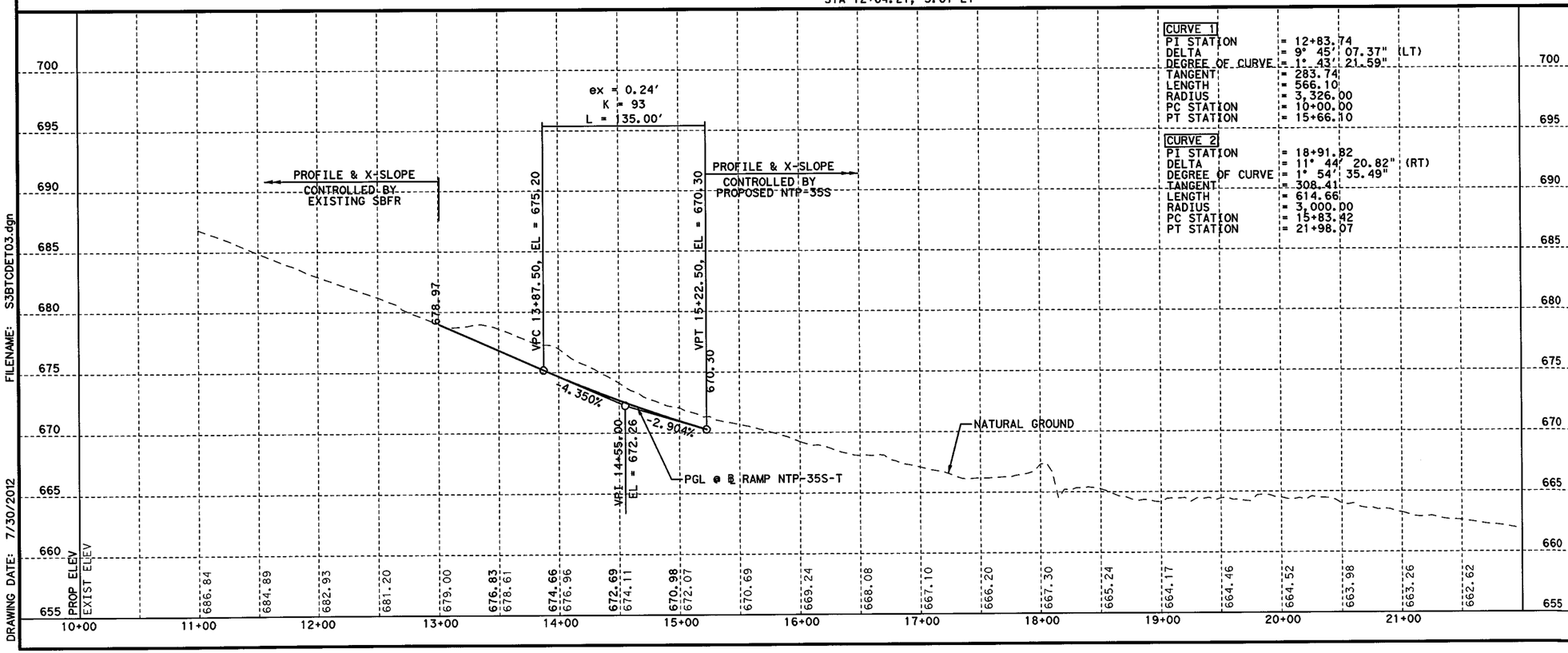
FILENAME: S3BTCP31B_03.dgn
DRAWING DATE: 7/30/2012




HORZ 0' 25' 50' 100'
VERT 0' 5' 10'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- NEW PAVEMENT OPEN TO TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- PORTABLE SIGN/ARROW BOARD
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING




**CURVE 1**

| | |
|---|---|
| PI STATION | = 12+83.74 |
| DELTA | = 9° 45' 07.37" (LT) |
| DEGREE OF CURVE | = 1° 43' 21.59" |
| TANGENT | = 283.74 |
| LENGTH | = 566.10 |
| RADIUS | = 3,326.00 |
| PC STATION | = 10+00.00 |
| PT STATION | = 15+66.10 |

**CURVE 2**

| | |
|---|---|
| PI STATION | = 18+91.82 |
| DELTA | = 11° 44' 20.82" (RT) |
| DEGREE OF CURVE | = 1° 54' 35.49" |
| TANGENT | = 308.41 |
| LENGTH | = 614.66 |
| RADIUS | = 3,000.00 |
| PC STATION | = 15+83.42 |
| PT STATION | = 21+98.07 |

STATE OF TEXAS
B. VANDERWALT
81580
LICENSED
PROFESSIONAL ENGINEER

Bernard Vanderwalt P.E.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

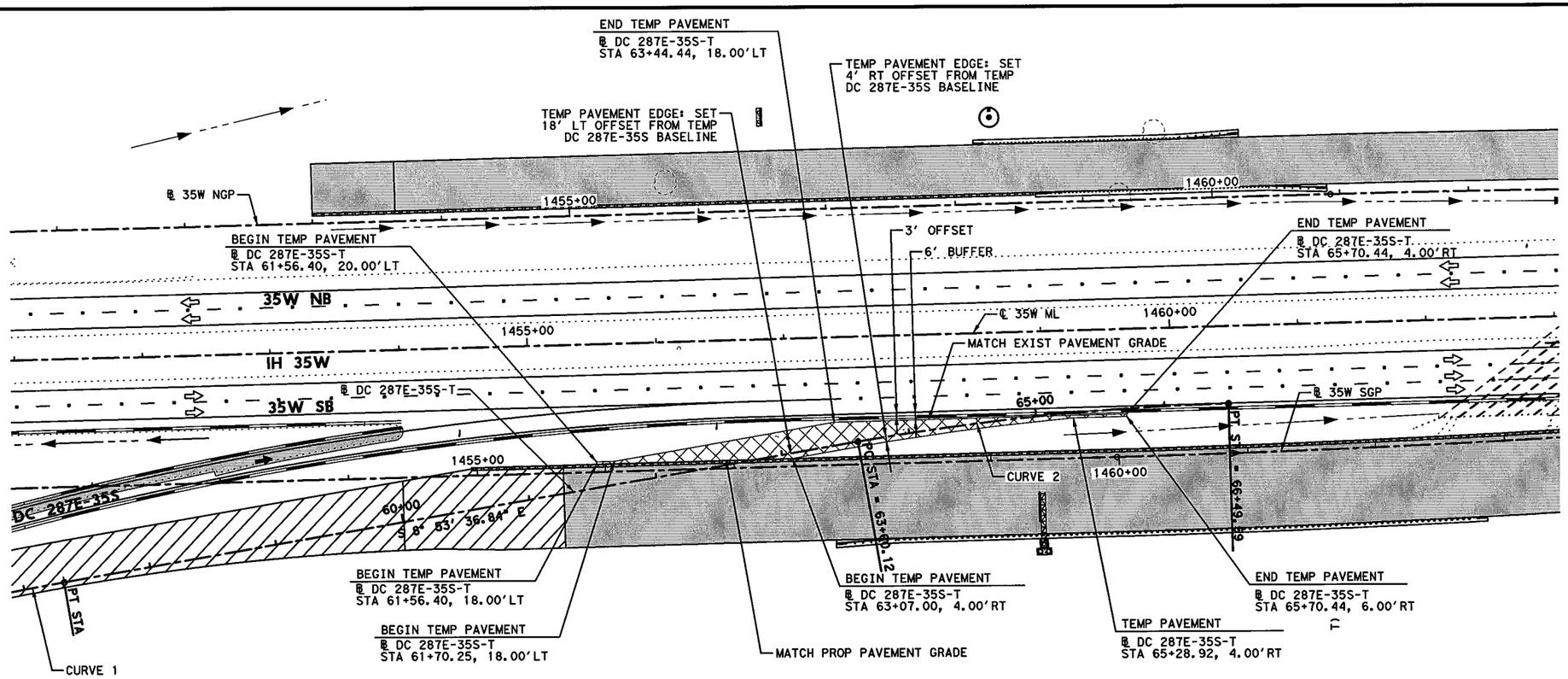
# DETOUR RAMP NTP-35S

SCALE 1" = 100'

SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 471 |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCDET03.dgn
DRAWING DATE: 7/30/2012

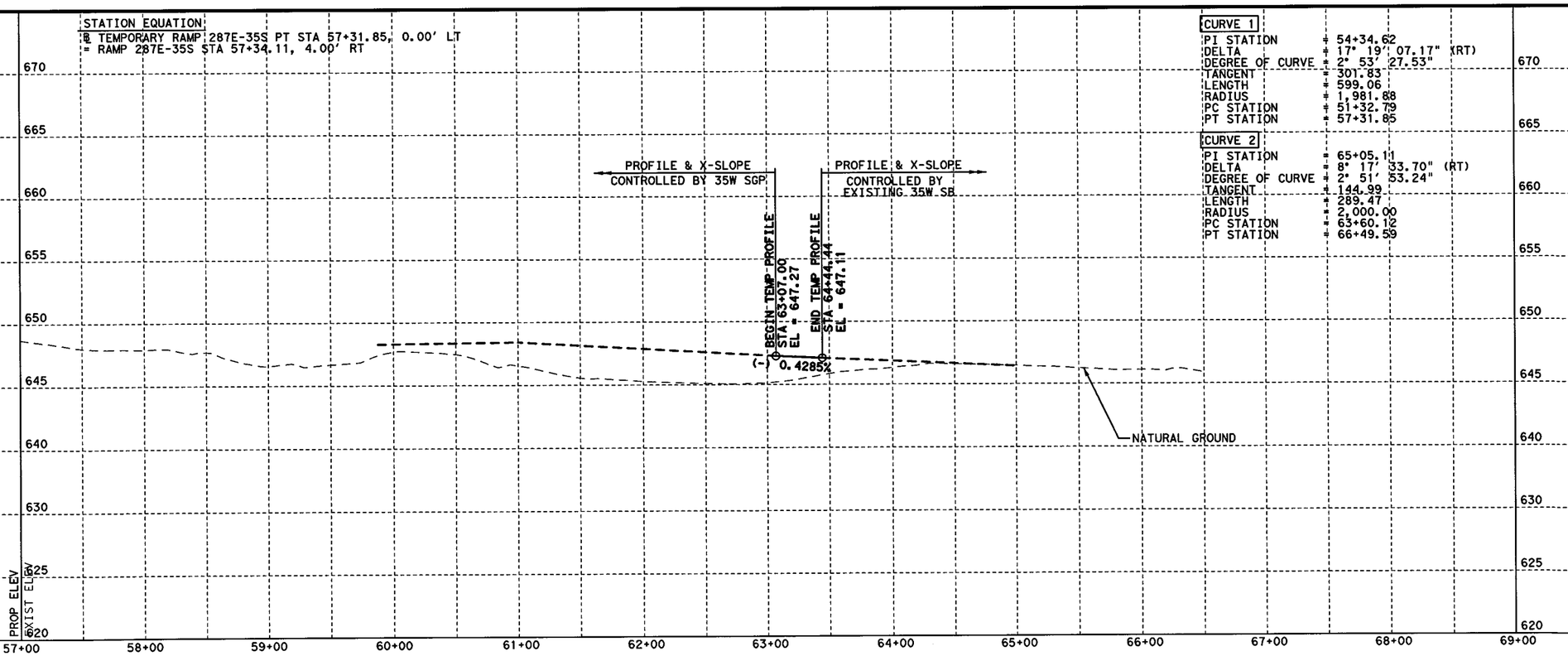



HORZ 0' 25' 50' 100'
VERT 0' 5' 10'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- NEW PAVEMENT OPEN TO TRAFFIC
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- PORTABLE SIGN/ARROW BOARD
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE — LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

STATION EQUATION
℄ TEMPORARY RAMP 287E-35S PT STA 57+31.85, 0.00' LT
= RAMP 287E-35S STA 57+34.11, 4.00' RT




**CURVE 1**

| | | |
|---|---|---|
| PI STATION | = | 54+34.62 |
| DELTA | = | 17° 19' 07.17" (RT) |
| DEGREE OF CURVE | = | 2° 53' 27.53" |
| TANGENT | = | 301.83 |
| LENGTH | = | 599.06 |
| RADIUS | = | 1,981.88 |
| PC STATION | = | 51+32.79 |
| PT STATION | = | 57+31.85 |

**CURVE 2**

| | | |
|---|---|---|
| PI STATION | = | 65+05.11 |
| DELTA | = | 8° 17' 33.70" (RT) |
| DEGREE OF CURVE | = | 2° 51' 53.24" |
| TANGENT | = | 144.99 |
| LENGTH | = | 289.47 |
| RADIUS | = | 2,000.00 |
| PC STATION | = | 63+60.12 |
| PT STATION | = | 66+49.59 |

STATE OF TEXAS
B. VANDERWALT
81580
LICENSED
PROFESSIONAL ENGINEER
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

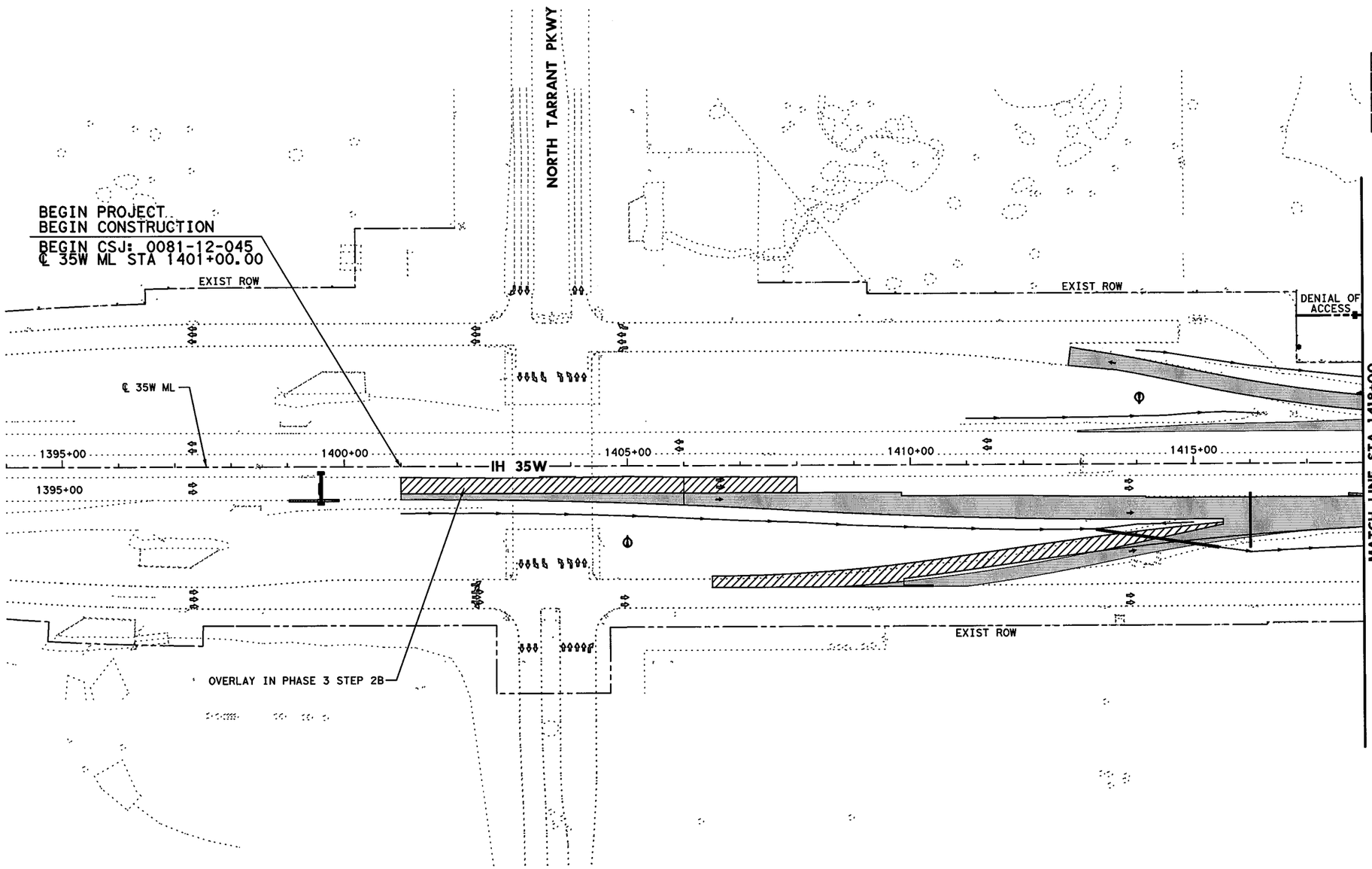
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# DETOUR DC 287E-35S

SCALE 1" = 100' SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 472 |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCDET04.dgn
DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

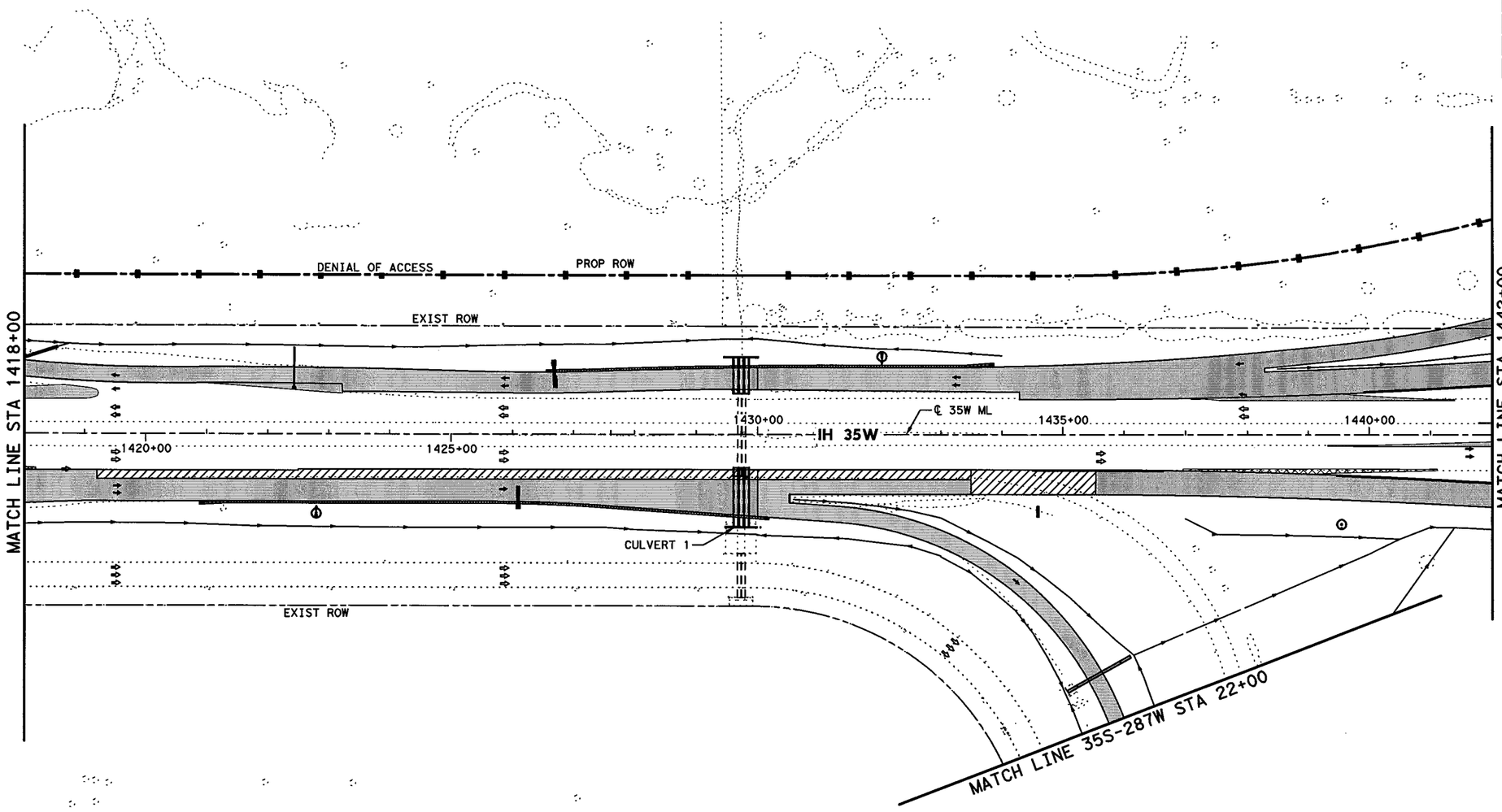
# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 3 STEP 2
## BEGIN PROJECT TO STA 1418+00

SCALE: 1" = 200'

SHEET 1 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 473 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCL32_01.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 3 STEP 2**

**STA 1418+00 TO STA 1442+00**

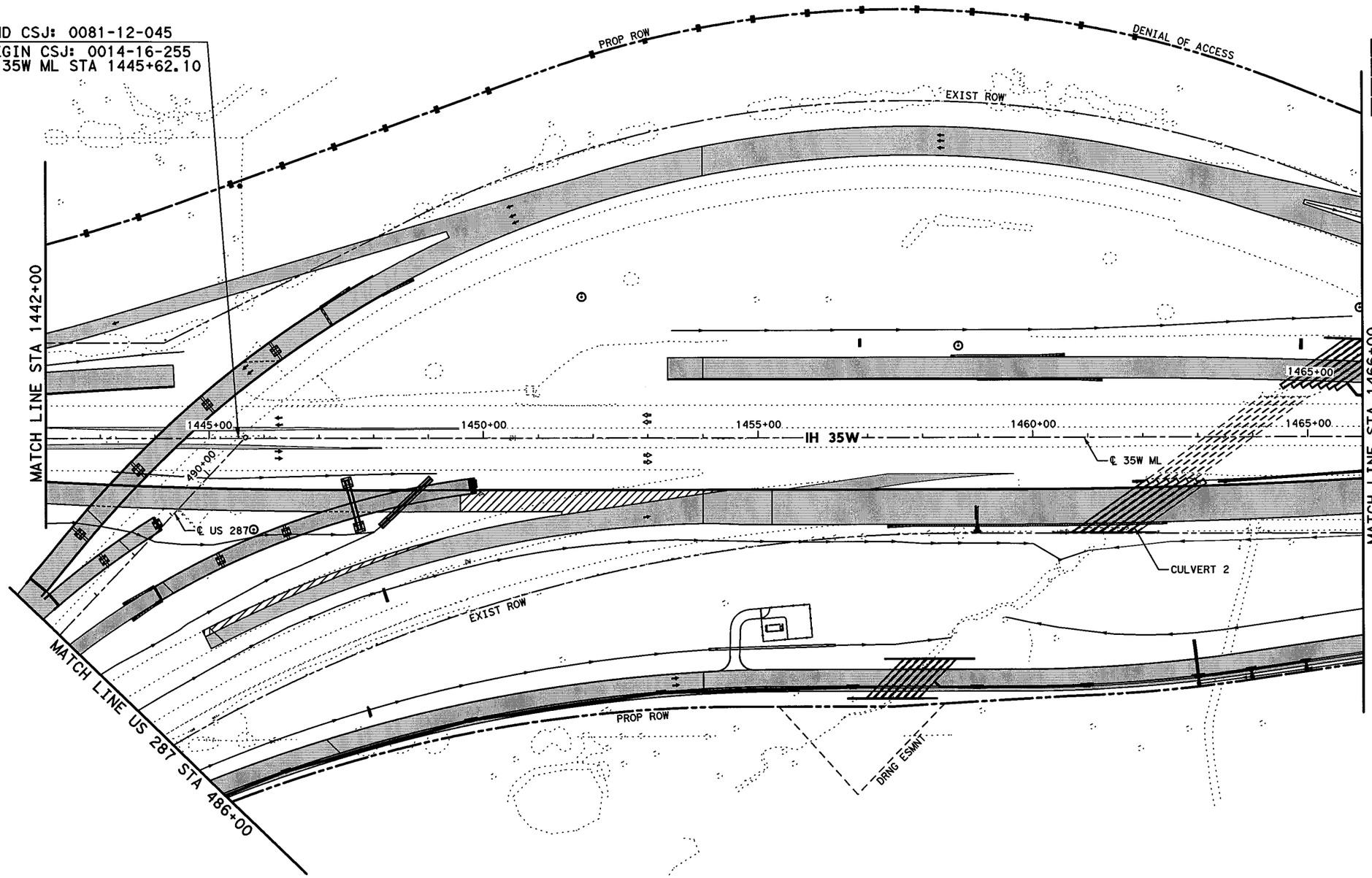
SCALE: 1" = 200' SHEET 2 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 474 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL32_02.dgn

DRAWING DATE: 7/30/2012

END CSJ: 0081-12-045
BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




0' 50' 100' 200'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

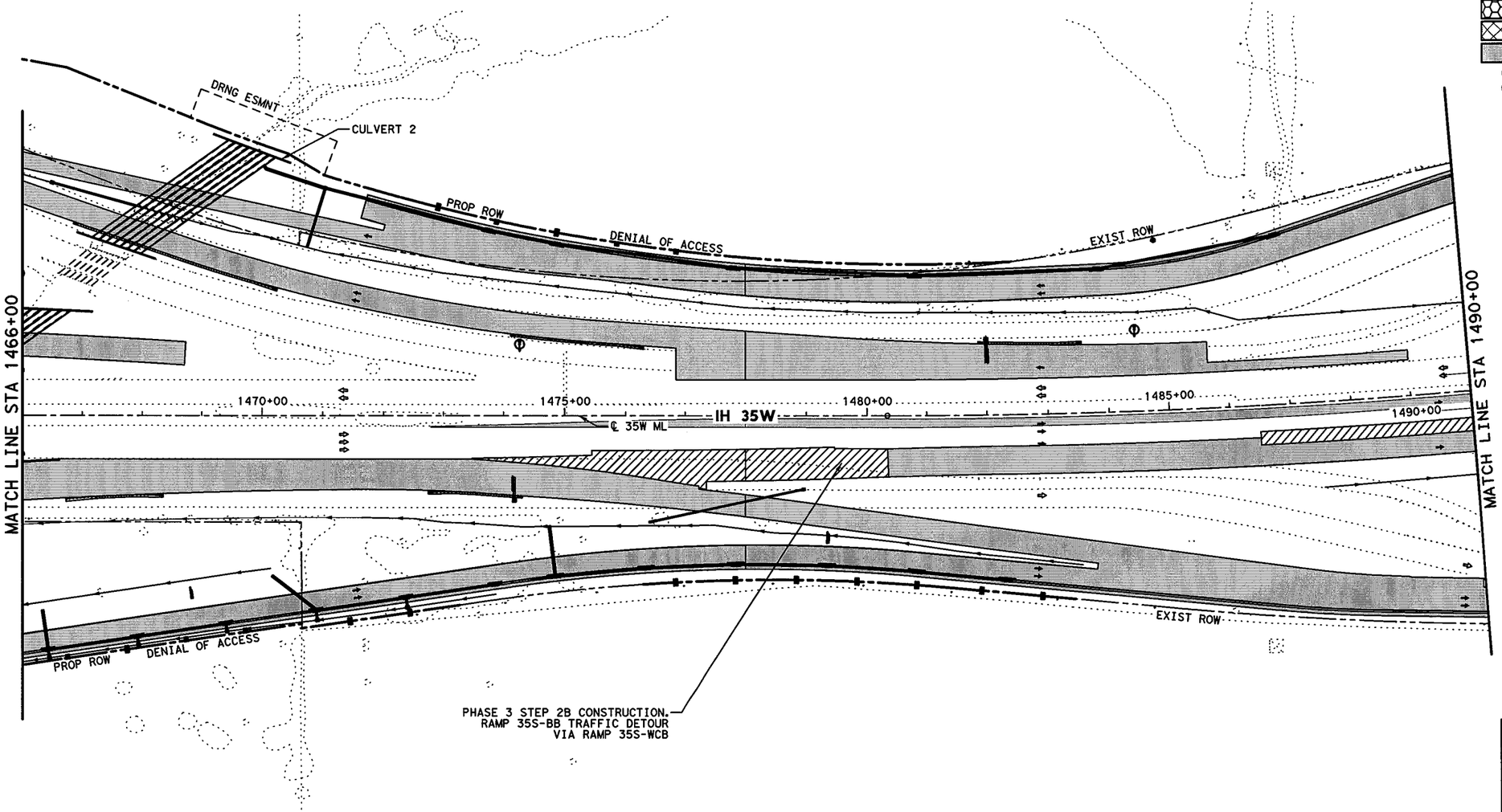
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 3 STEP 2
## STA 1442+00 TO STA 1466+00

SCALE: 1" = 200'
SHEET 3 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 475 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL32_03.dgn
DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 3 STEP 2

## STA 1466+00 TO STA 1490+00

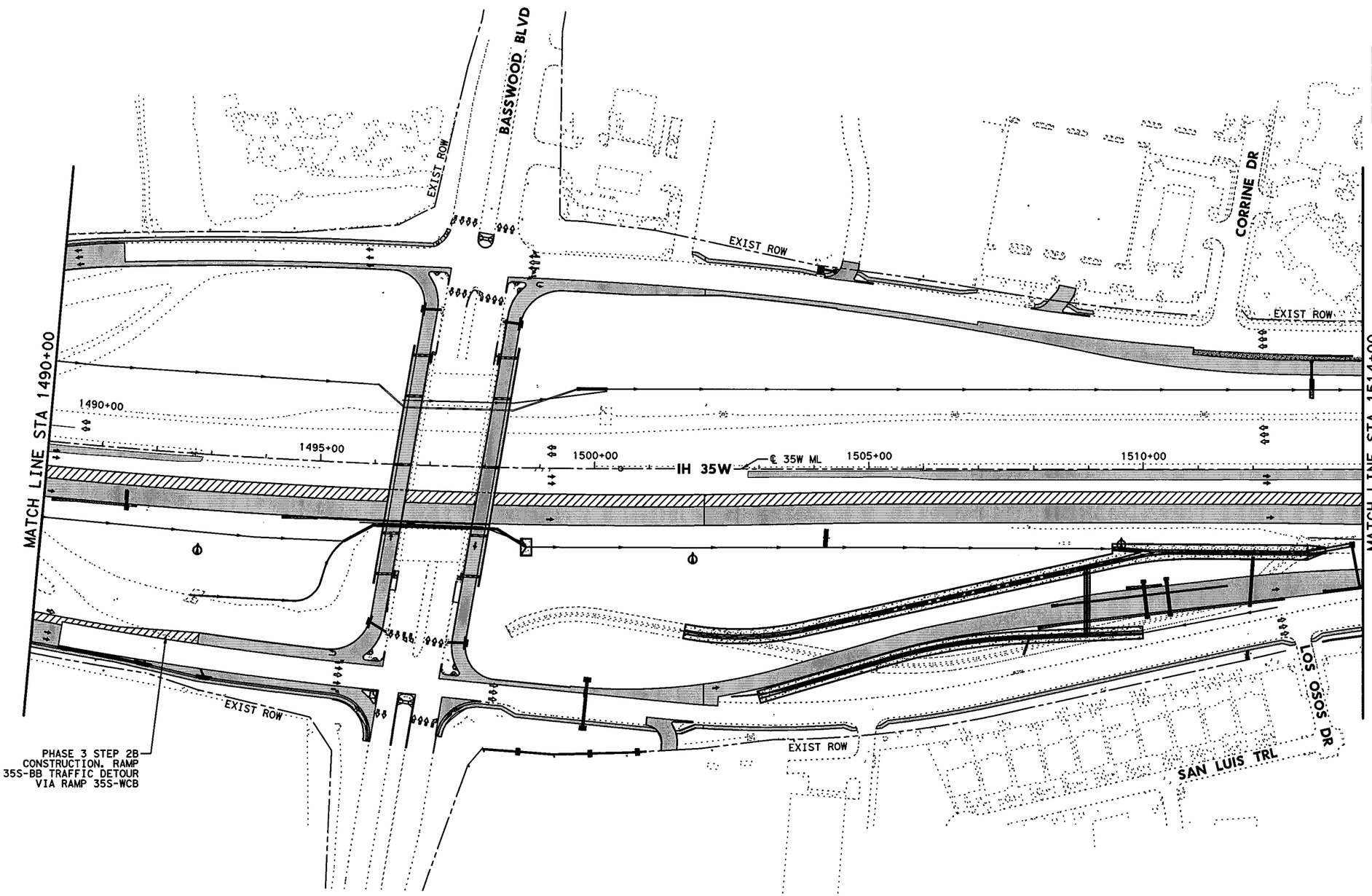
SCALE: 1" = 200'

SHEET 4 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 476 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL32_04.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

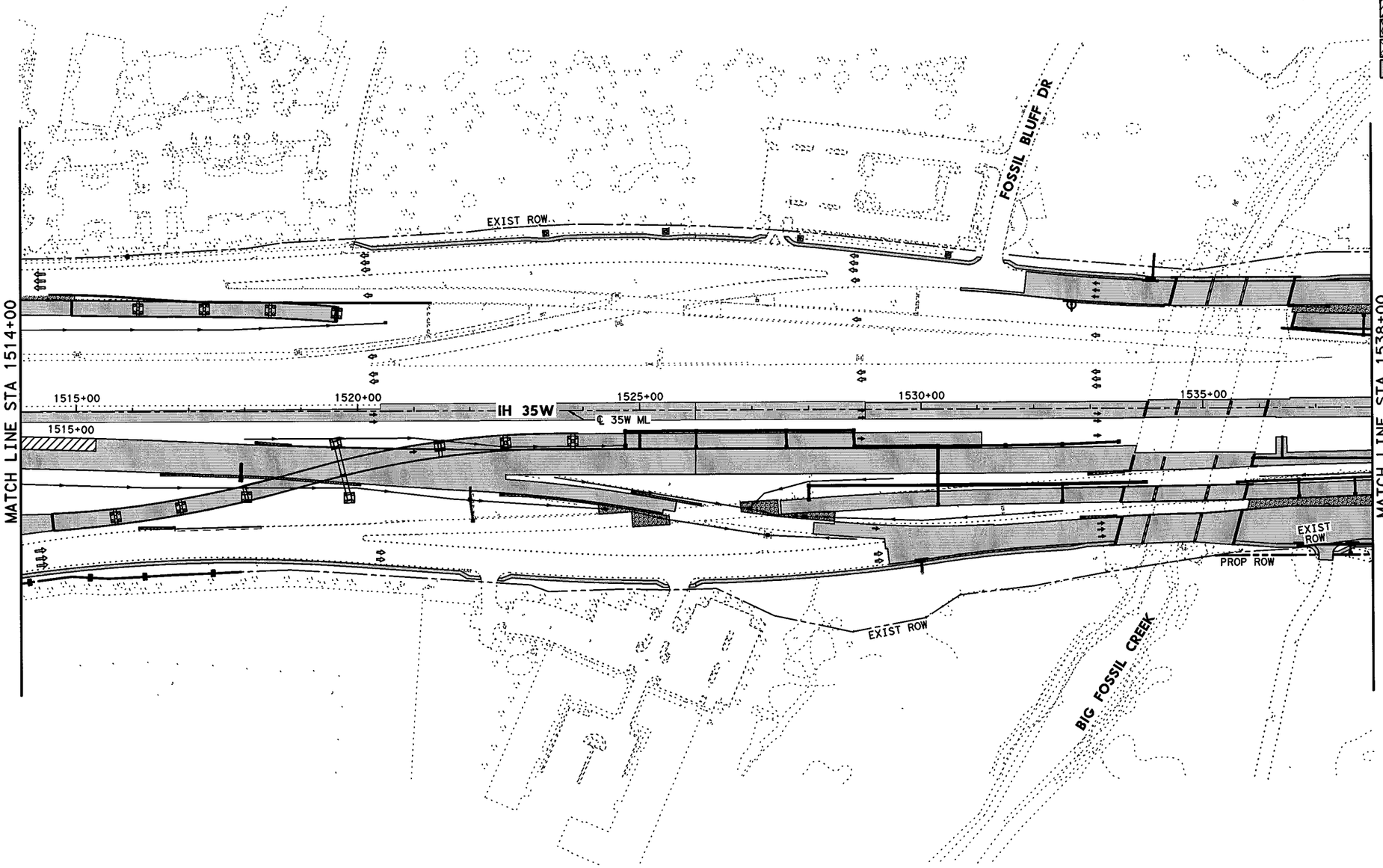
# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 3 STEP 2
## STA 1490+00 TO STA 1514+00

SCALE: 1" = 200' SHEET 5 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 477 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL32_05.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 3 STEP 2**

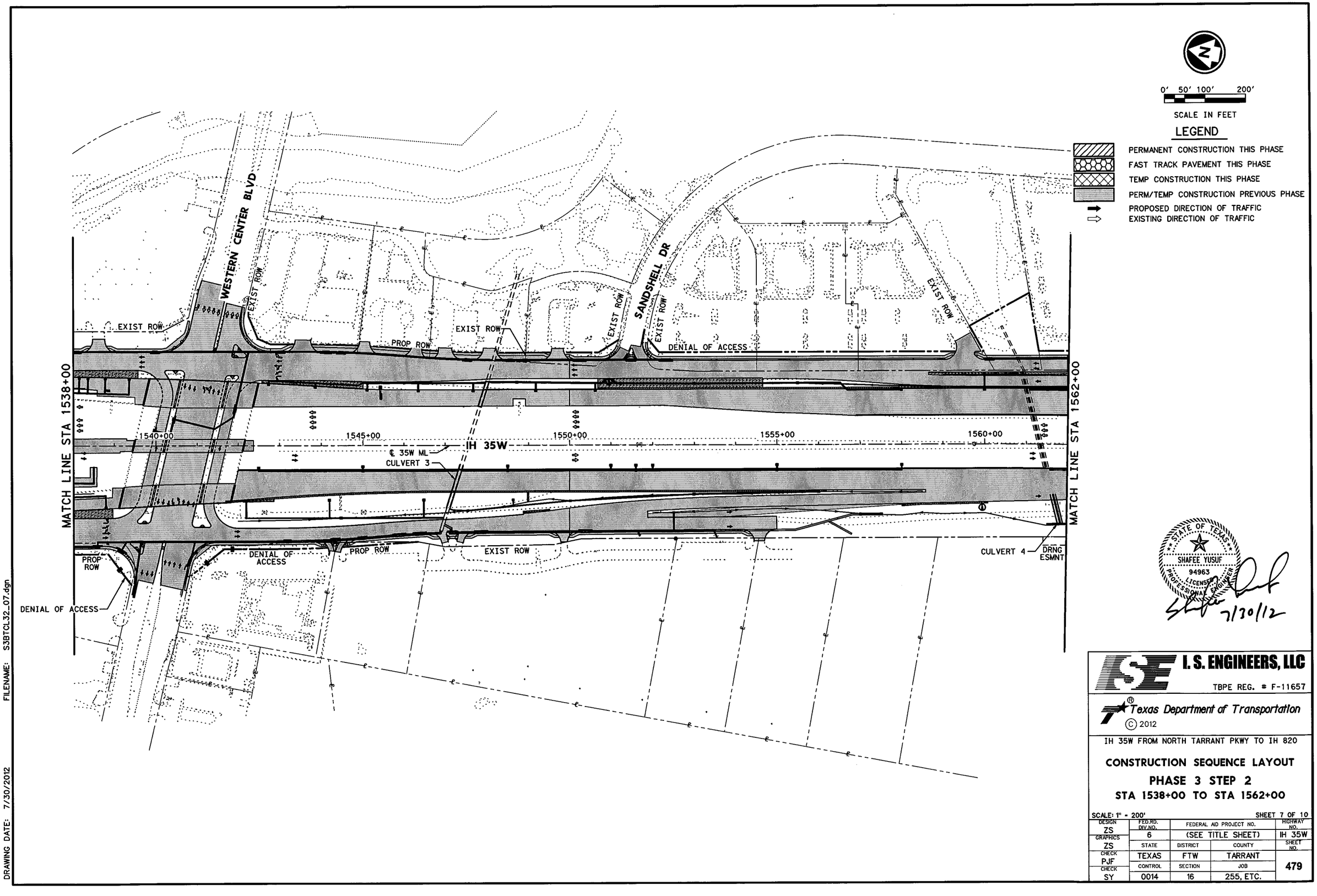
**STA 1514+00 TO STA 1538+00**

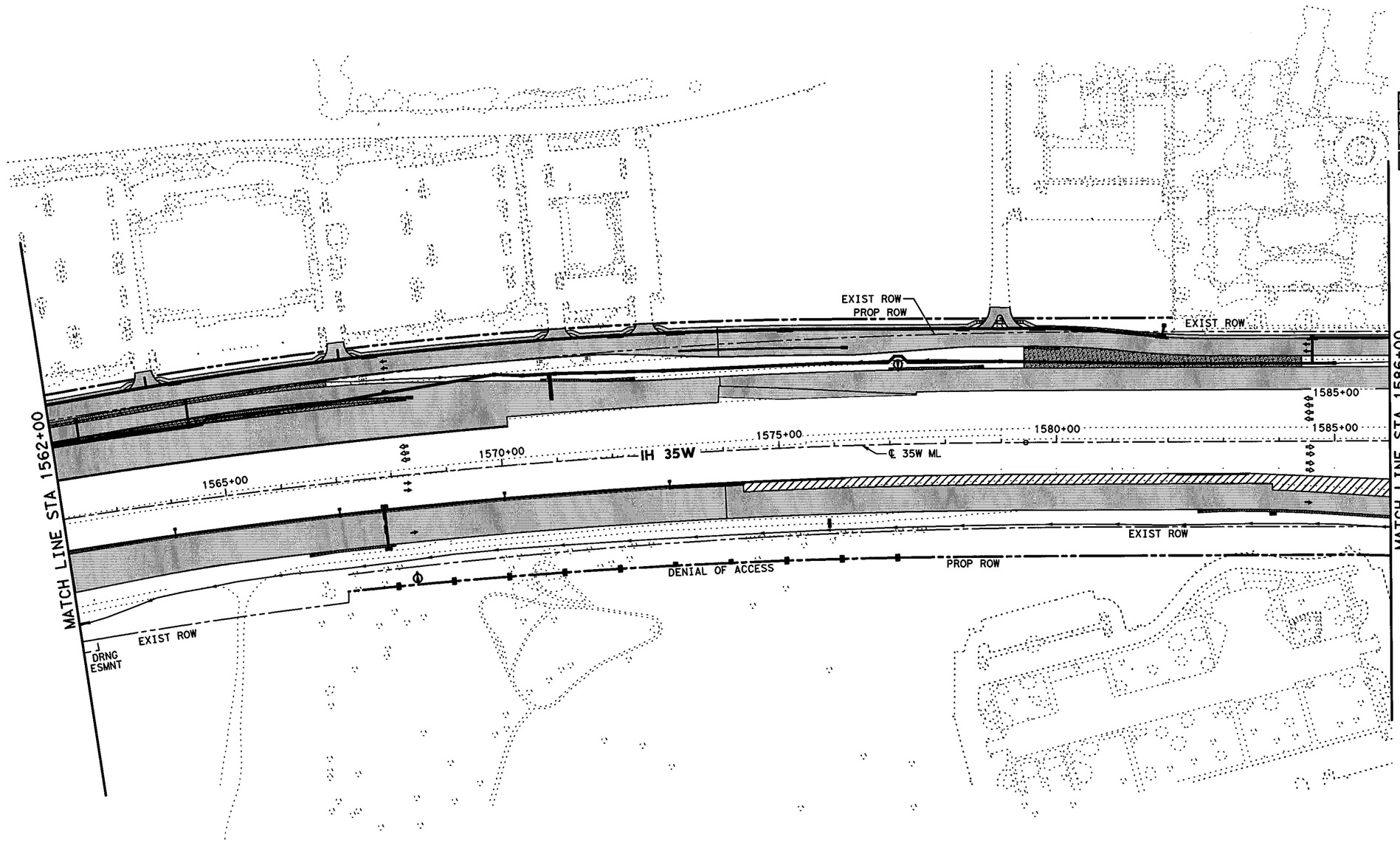
SCALE: 1" = 200' SHEET 6 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 478 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL32_06.dgn

DRAWING DATE: 7/30/2012


0' 50' 100' 200'
SCALE IN FEET
LEGEND
PERMANENT CONSTRUCTION THIS PHASE
FAST TRACK PAVEMENT THIS PHASE
TEMP CONSTRUCTION THIS PHASE
PERM/TEMP CONSTRUCTION PREVIOUS PHASE
PROPOSED DIRECTION OF TRAFFIC
EXISTING DIRECTION OF TRAFFIC
WESTERN CENTER BLVD
SANDSHELL DR
EXIST ROW
PROP ROW
DENIAL OF ACCESS
MATCH LINE STA 1538+00
MATCH LINE STA 1562+00
1540+00
1545+00
1550+00
1555+00
1560+00
IH 35W
℄ 35W ML
CULVERT 3
CULVERT 4
DRNG ESMNT
DENIAL OF ACCESS
PROP ROW
STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12
I. S. ENGINEERS, LLC
TBPE REG. # F-11657
Texas Department of Transportation
© 2012
IH 35W FROM NORTH TARRANT PKWY TO IH 820
CONSTRUCTION SEQUENCE LAYOUT
PHASE 3 STEP 2
STA 1538+00 TO STA 1562+00
SCALE: 1" = 200'
SHEET 7 OF 10
DESIGN ZS
FED.RD. DIV.NO. 6
FEDERAL AID PROJECT NO. (SEE TITLE SHEET)
HIGHWAY NO. IH 35W
GRAPHICS ZS
STATE TEXAS
DISTRICT FTW
COUNTY TARRANT
SHEET NO. 479
CHECK PJF
CONTROL 0014
SECTION 16
JOB 255, ETC.
CHECK SY
DRAWING DATE: 7/30/2012
FILENAME: S3BTCL32_07.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 3 STEP 2

## STA 1562+00 TO STA 1586+00

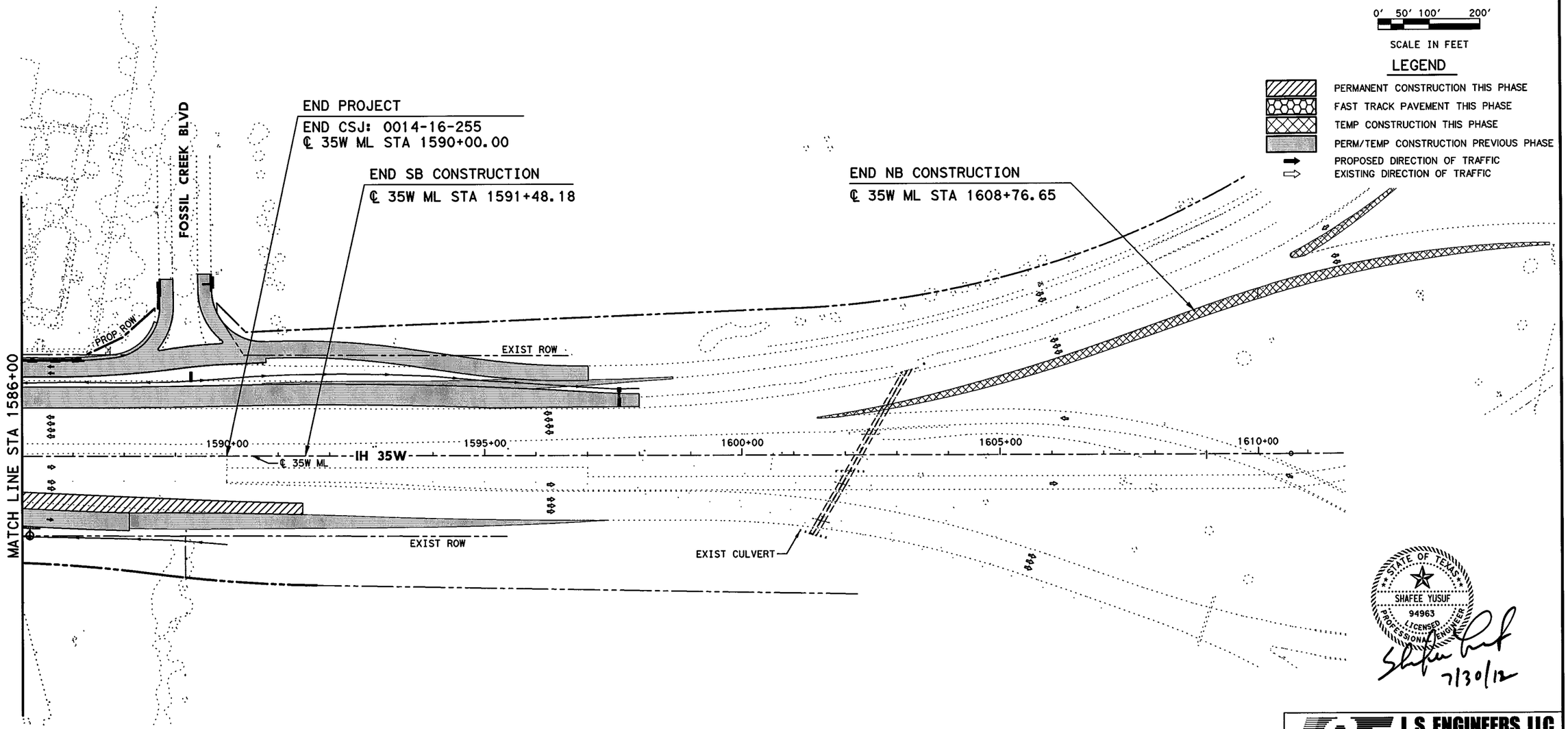
SCALE: 1" = 200'

SHEET 8 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 480 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCL32_08.dgn

DRAWING DATE: 7/30/2012




STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 3 STEP 2**

**STA 1586+00 TO END PROJECT**

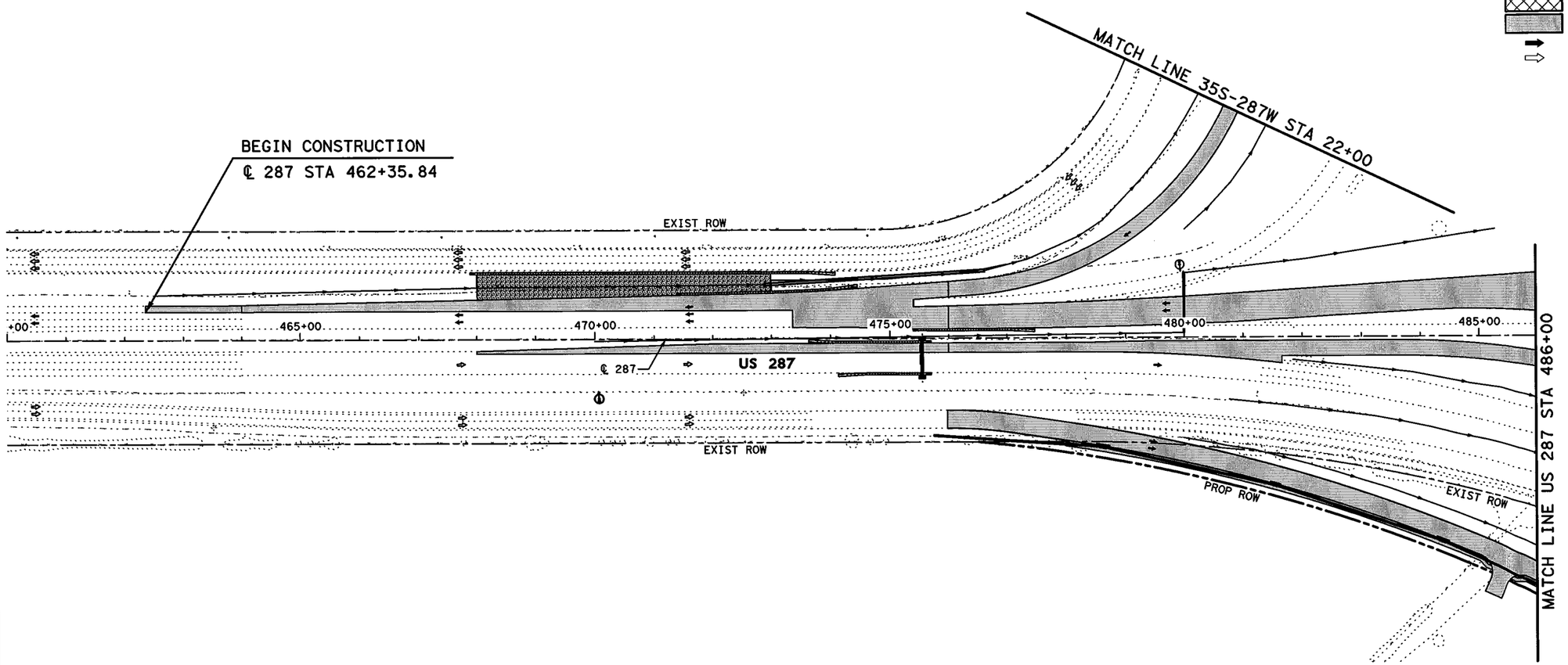
SCALE: 1" = 200'

SHEET 9 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 481 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL32_09.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED PROFESSIONAL ENGINEER
7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 3 STEP 2

## STA 460+00 TO STA 486+00

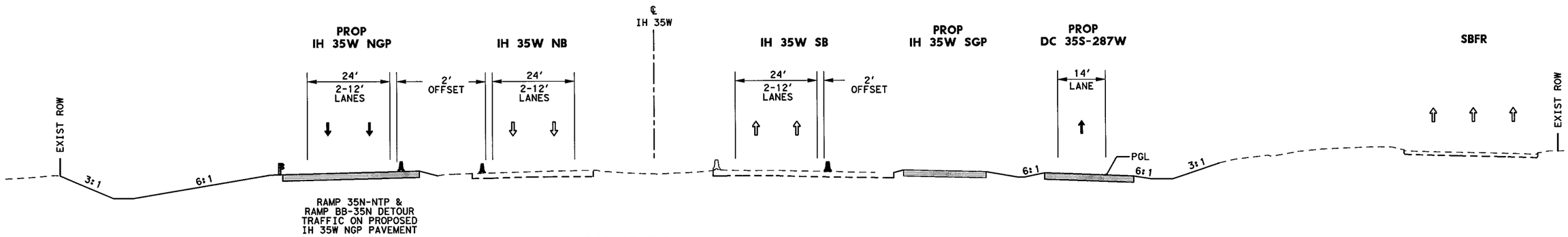
SCALE: 1" = 200'

SHEET 10 OF 10

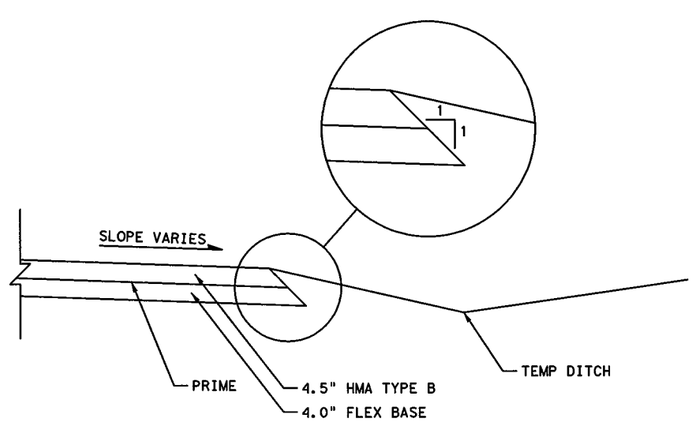
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | | | | 482 |
| CHECK | 0014 | 16 | 255, ETC. | |
| SY | | | | |

FILENAME: S3BTCL32_10.dgn

DRAWING DATE: 7/30/2012




**TCP SECTION A-A**
**STA 1431+00**




**DETOUR & TEMP WIDENING**
**TYPICAL SECTION**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

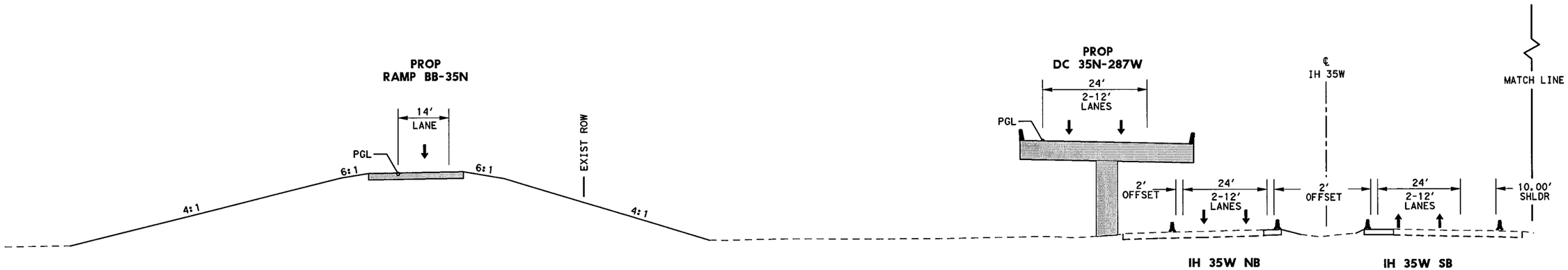
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 3 STEP 2**

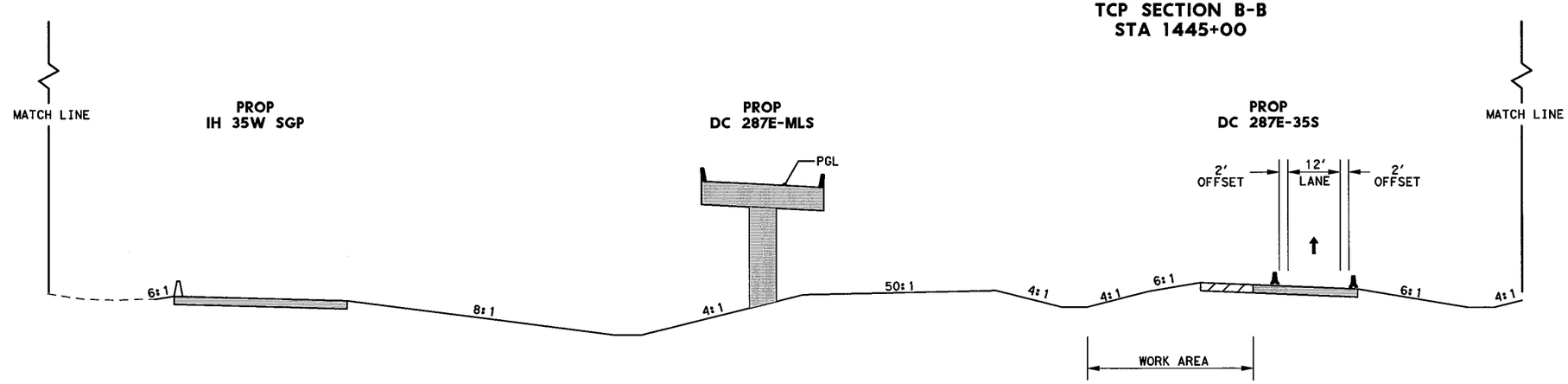
SCALE: NTS
SHEET 1 OF 4

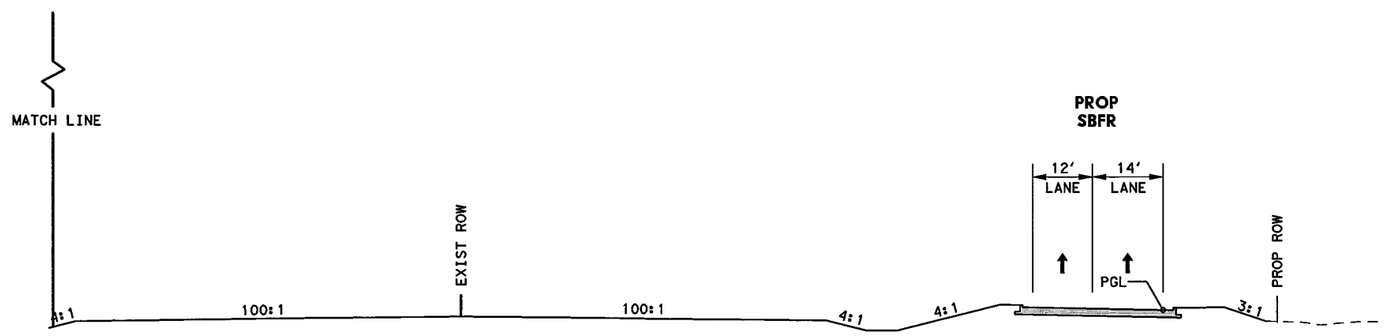
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 483 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCT32_01.dgn




## TCP SECTION B-B
## STA 1445+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

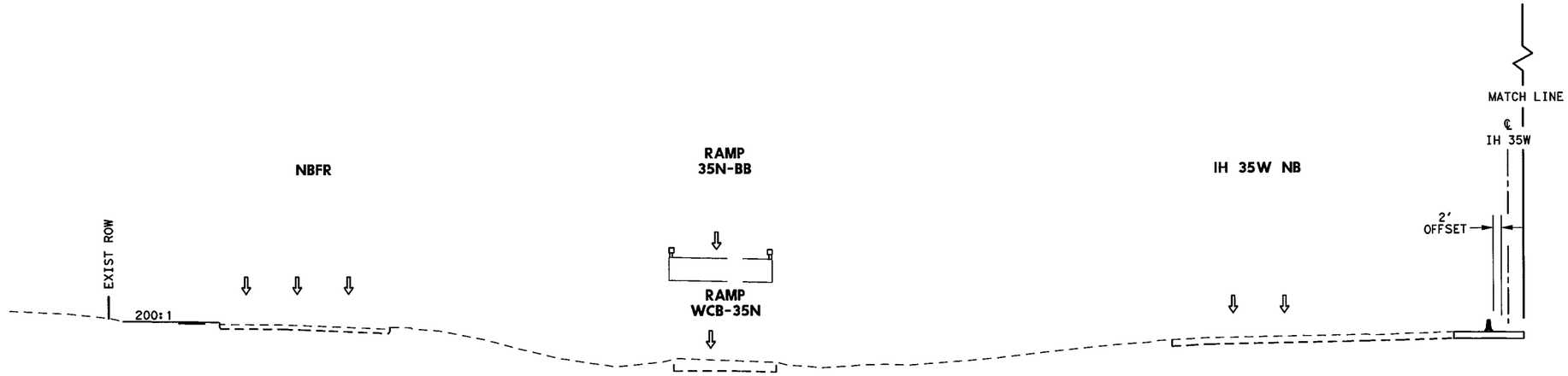
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 3 STEP 2**

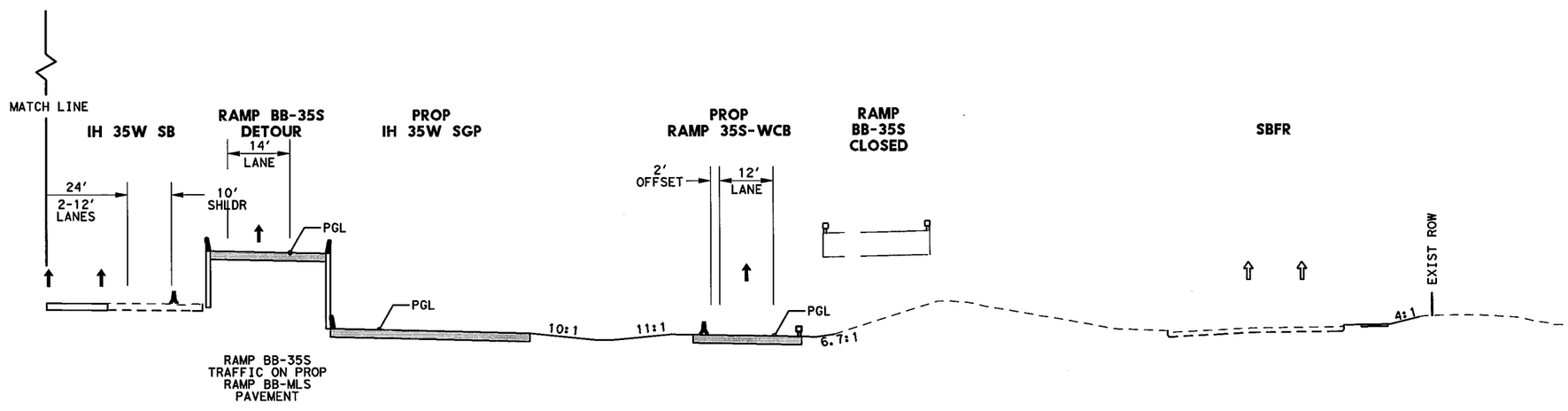
SCALE: NTS — SHEET 2 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 484 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT32_02.dgn
DRAWING DATE: 7/30/2012




TCP SECTION C-C
STA 1525+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

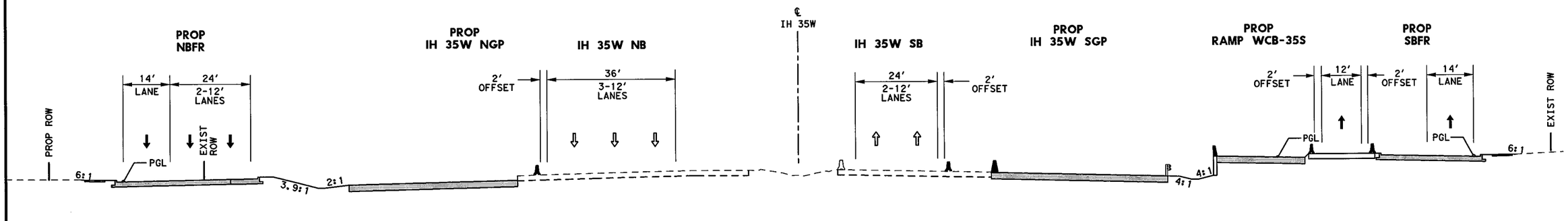
IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 3 STEP 2

SCALE: NTS
SHEET 3 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 485 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCT32_03.dgn
DRAWING DATE: 7/30/2012




**TCP SECTION D-D**
**STA 1554+00**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

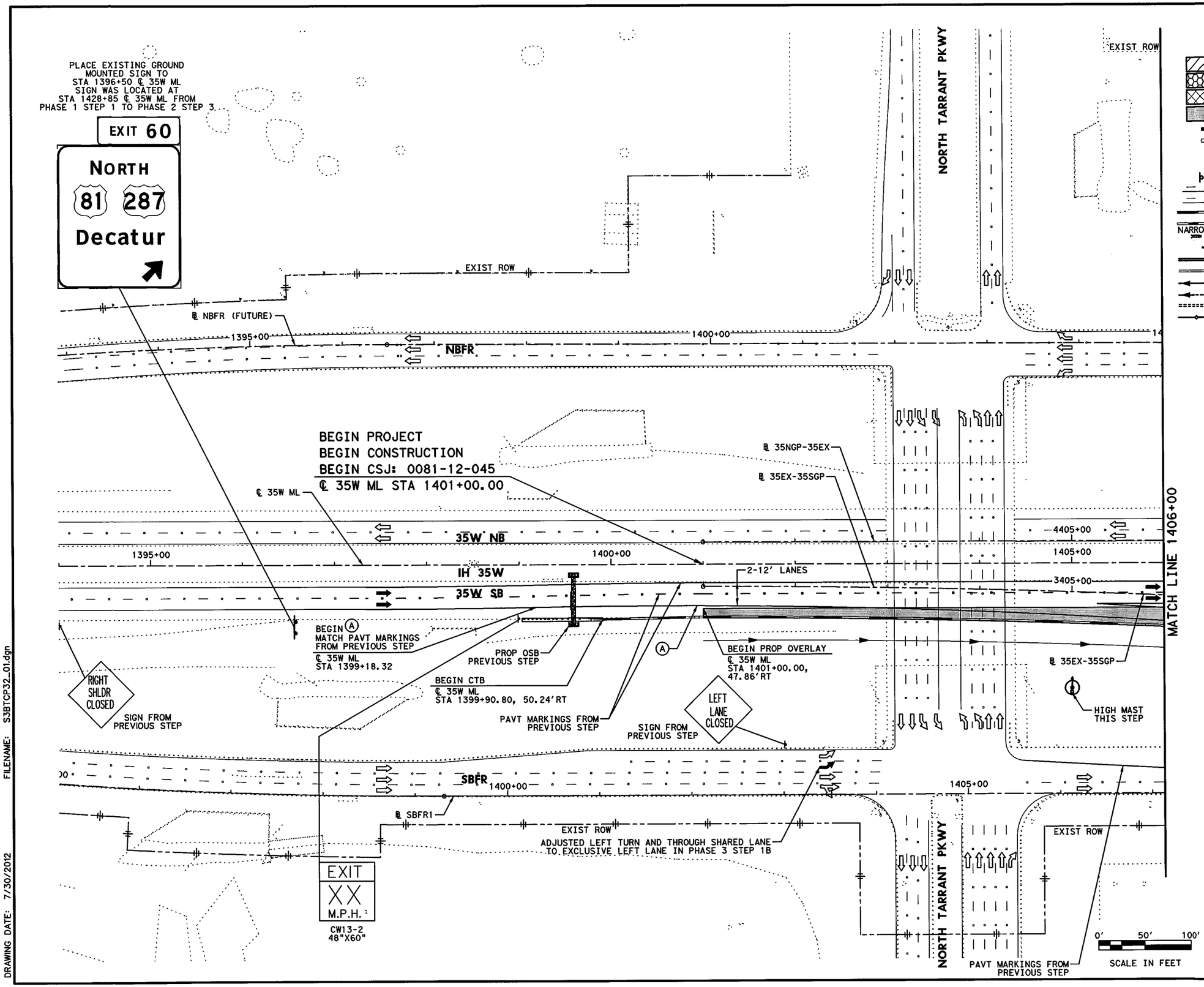
**TCP SECTION**
**PHASE 3 STEP 2**

SCALE: NTS

SHEET 4 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 486 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT32_04.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

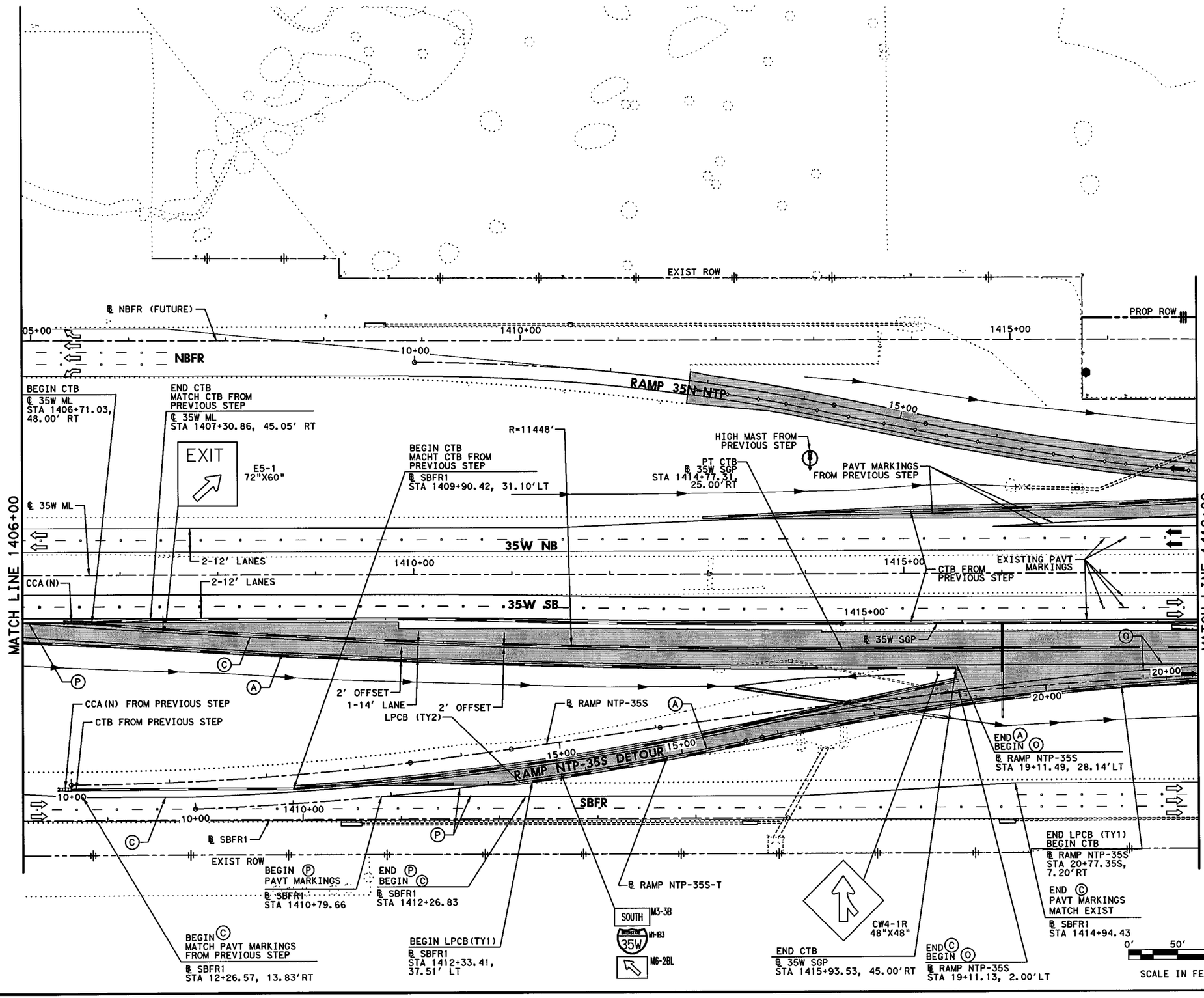
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100'
SHEET 1 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 487 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_01.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

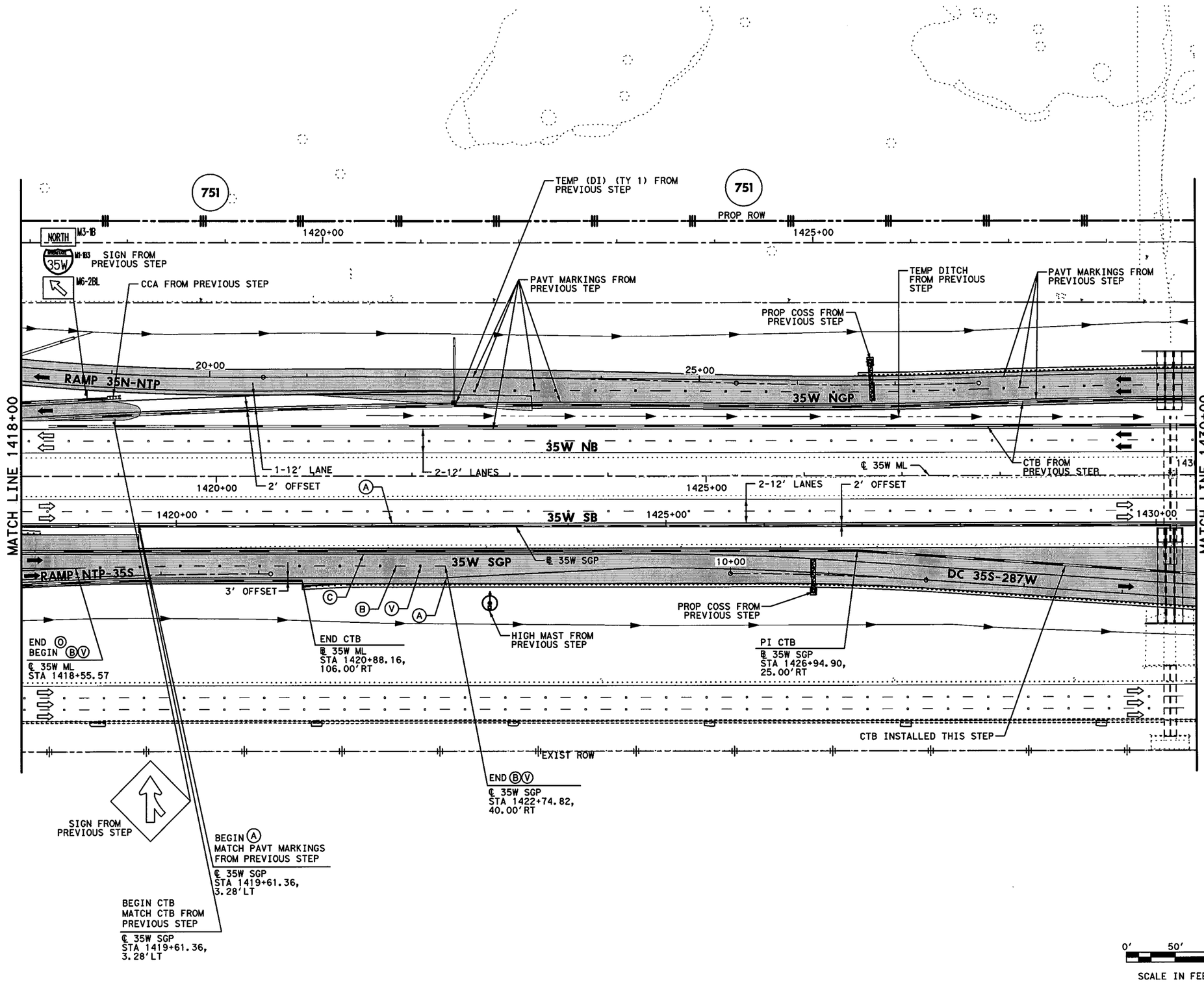
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' SHEET 2 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 488 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_02.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

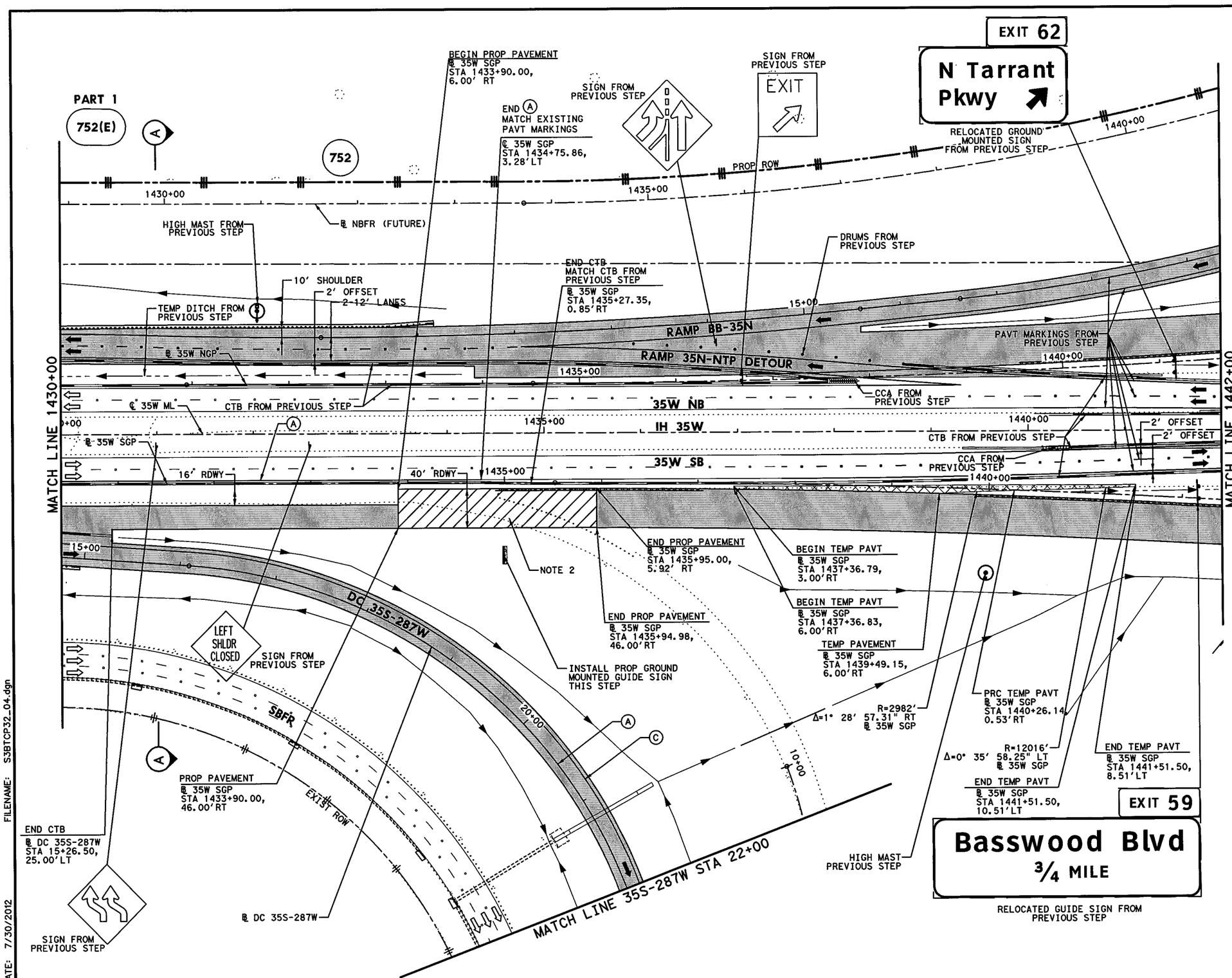
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' SHEET 3 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 489 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_03.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

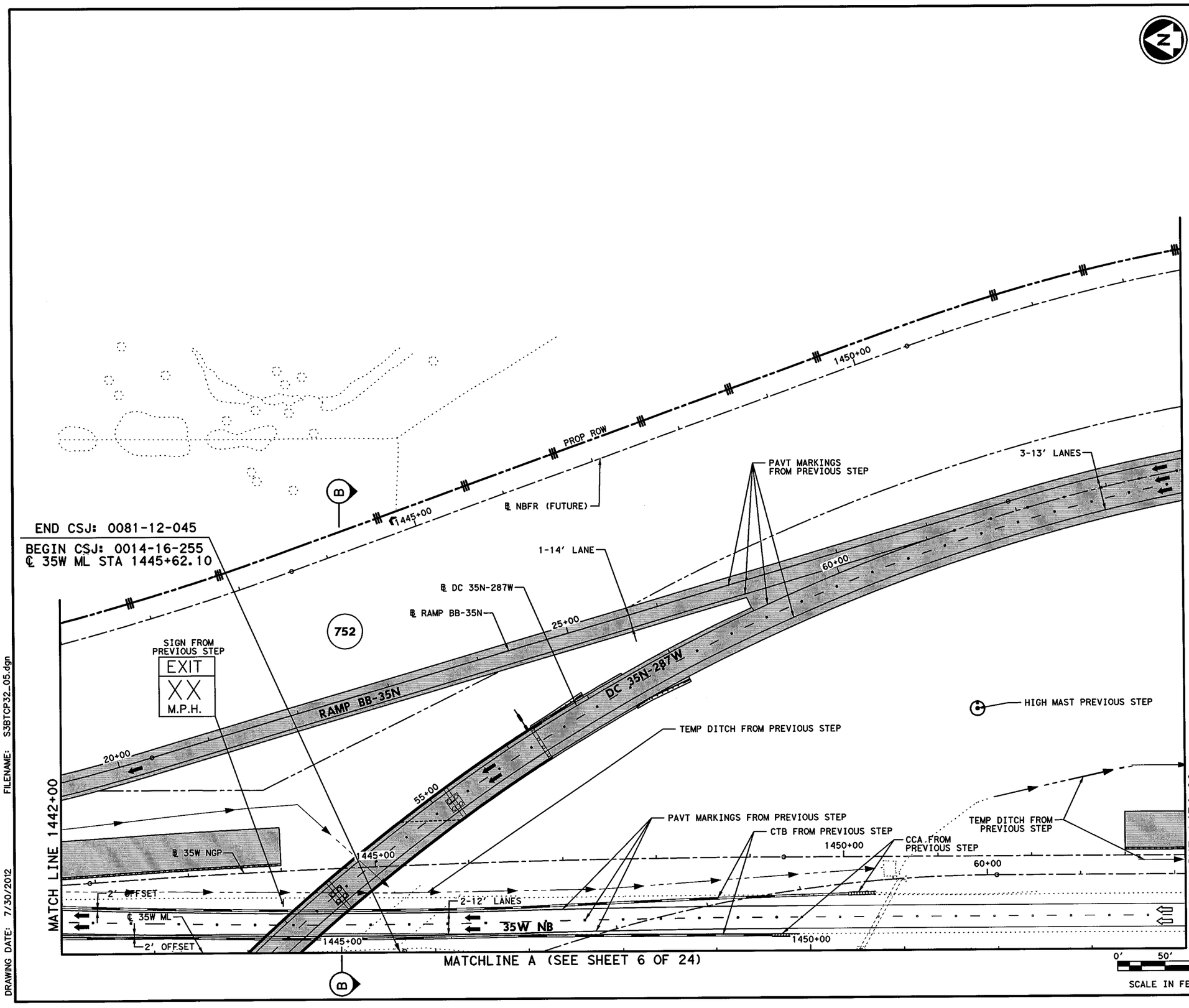
**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' SHEET 4 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 490 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

NOTES:
1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
2. DETOUR RAMP NTP-35S THROUGH 287W WHILE CONSTRUCTING THIS AREA. SEE OFF-SITE DETOUR PLAN SHEET FOR MORE DETAILS.

FILENAME: S3BTCP32_04.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

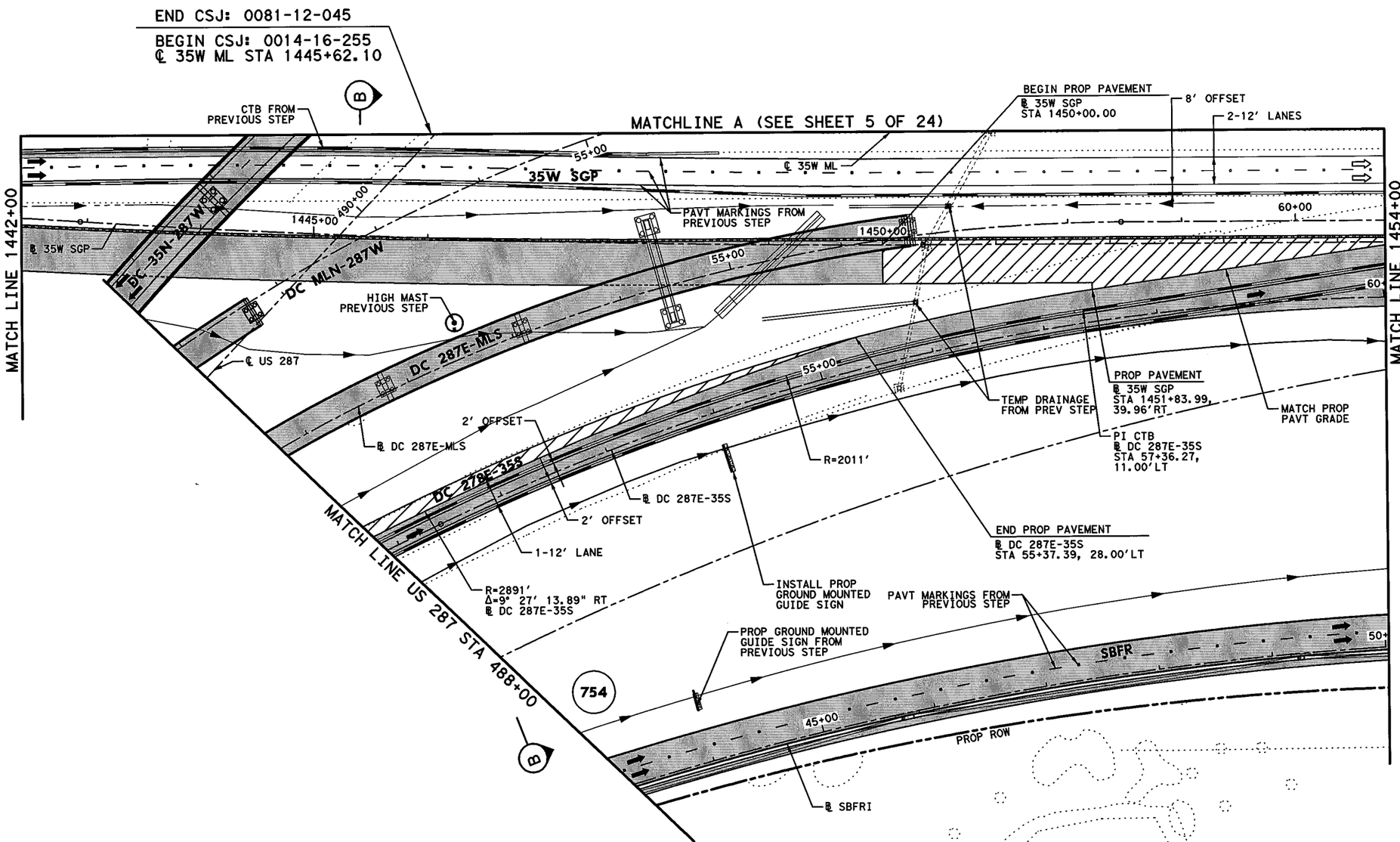
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' SHEET 5 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 491 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_05.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

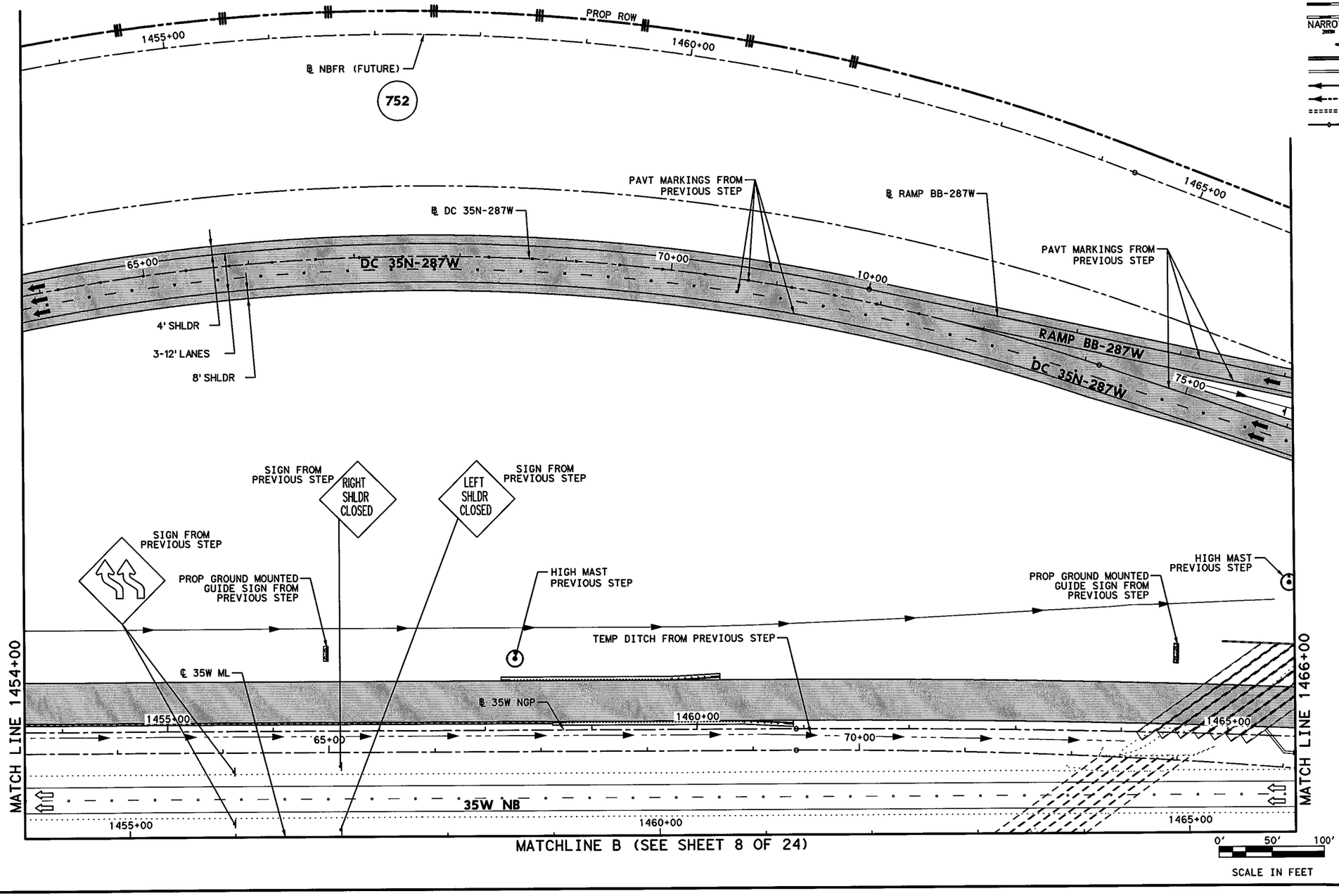
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' SHEET 6 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 492 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP32_06.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

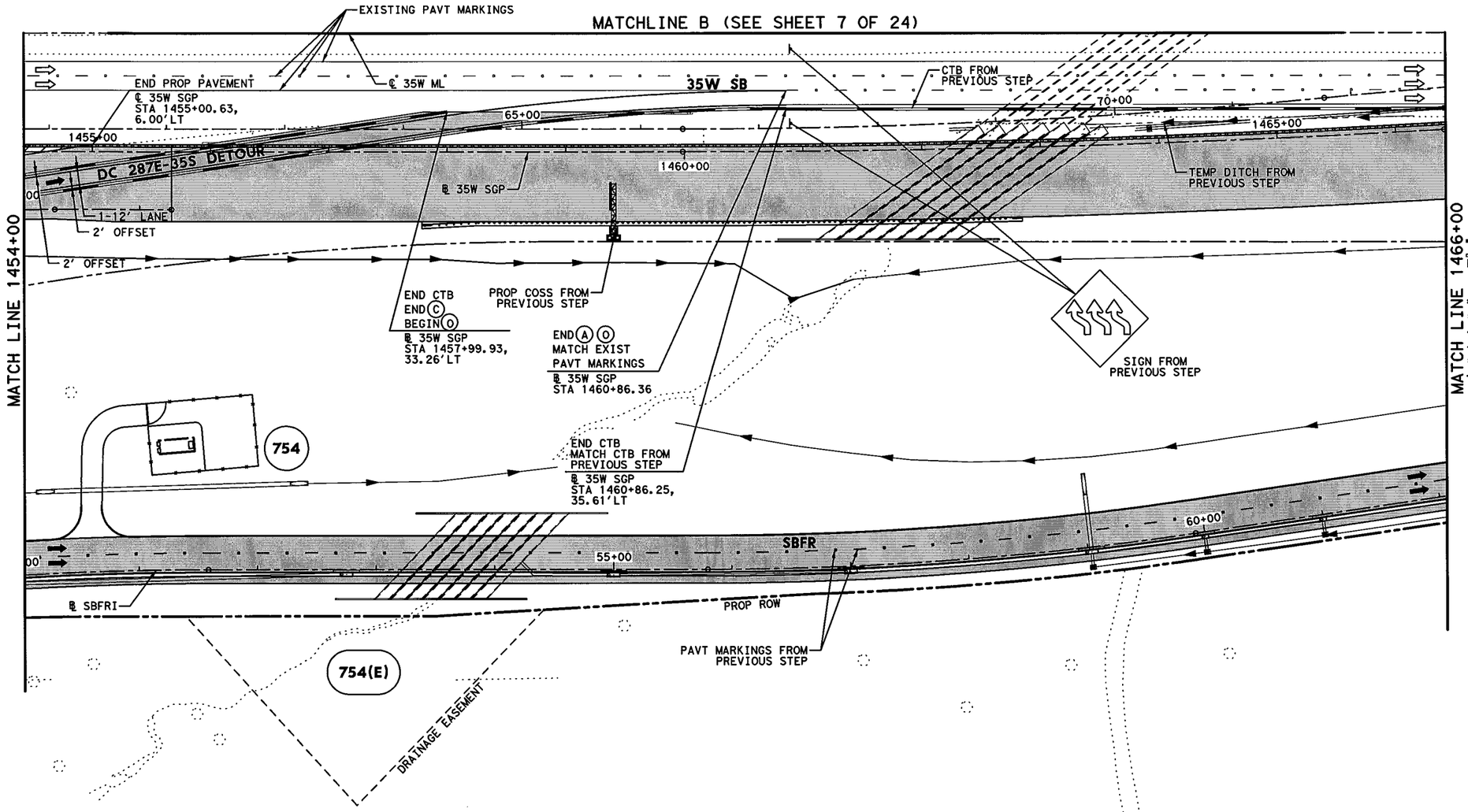
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' SHEET 7 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 493 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_07.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

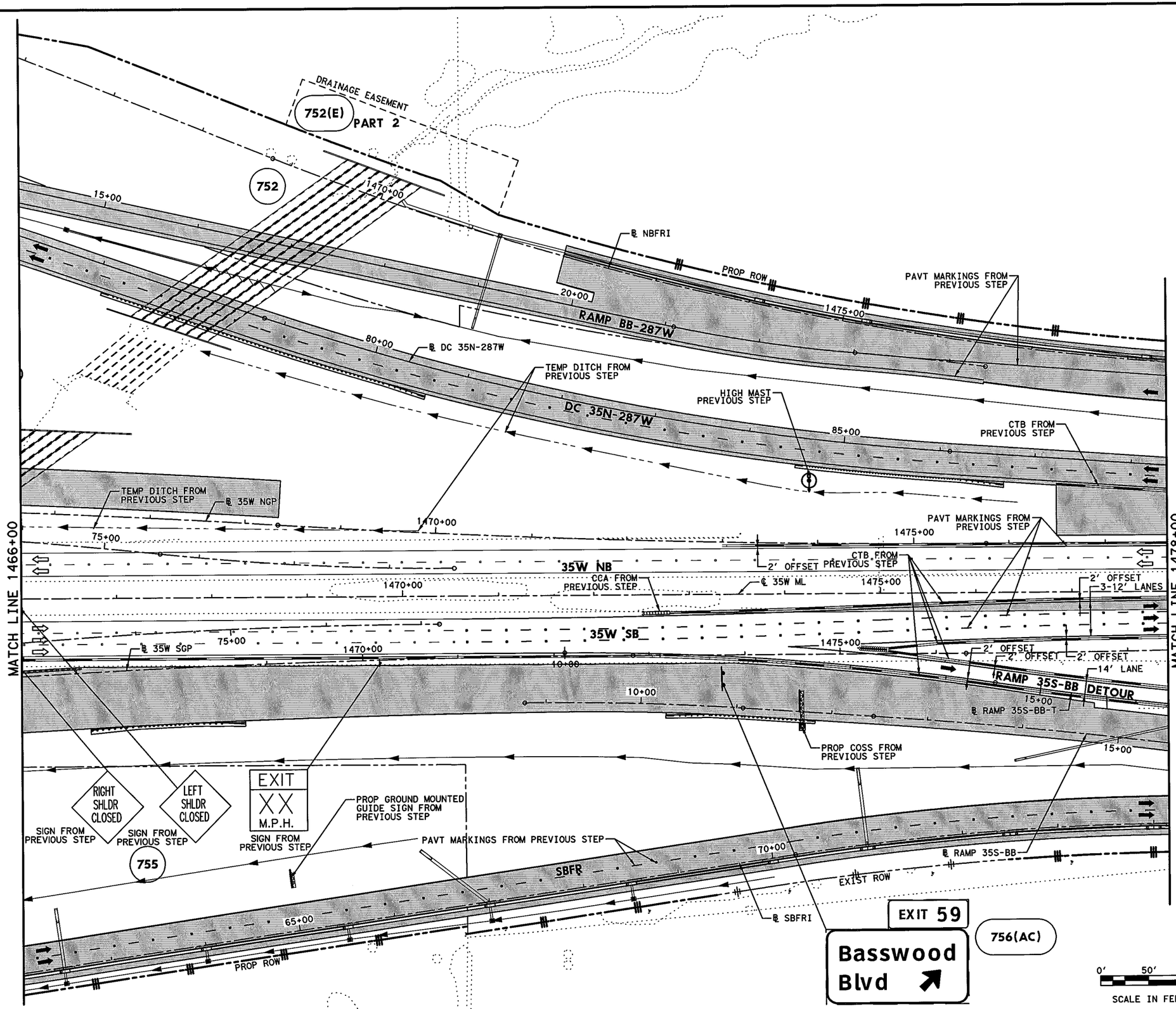
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' SHEET 8 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 494 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP32_08.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

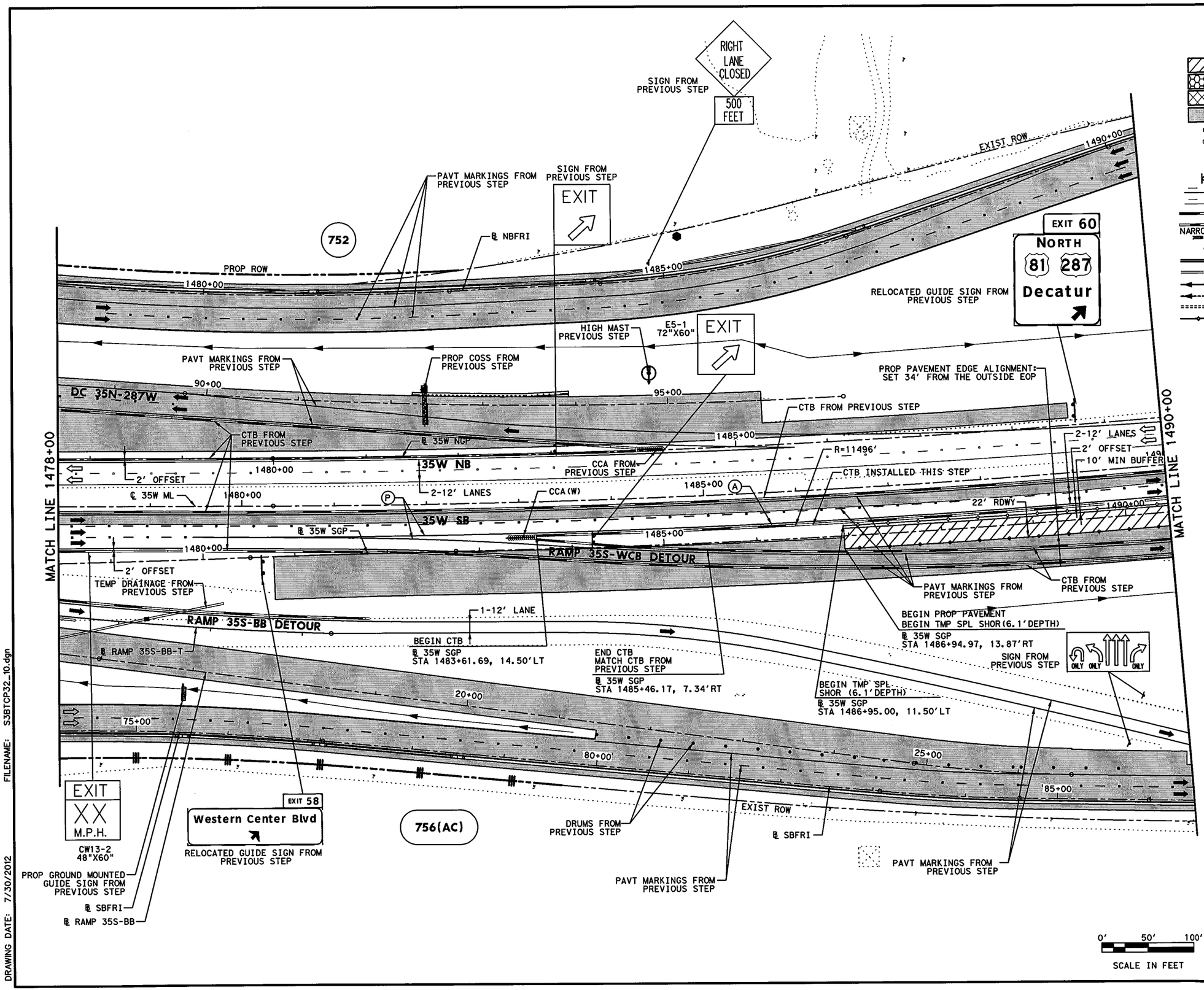
# TRAFFIC CONTROL PLAN
## PHASE 3 STEP 2

SCALE 1" = 100'

SHEET 9 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 495 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_09.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

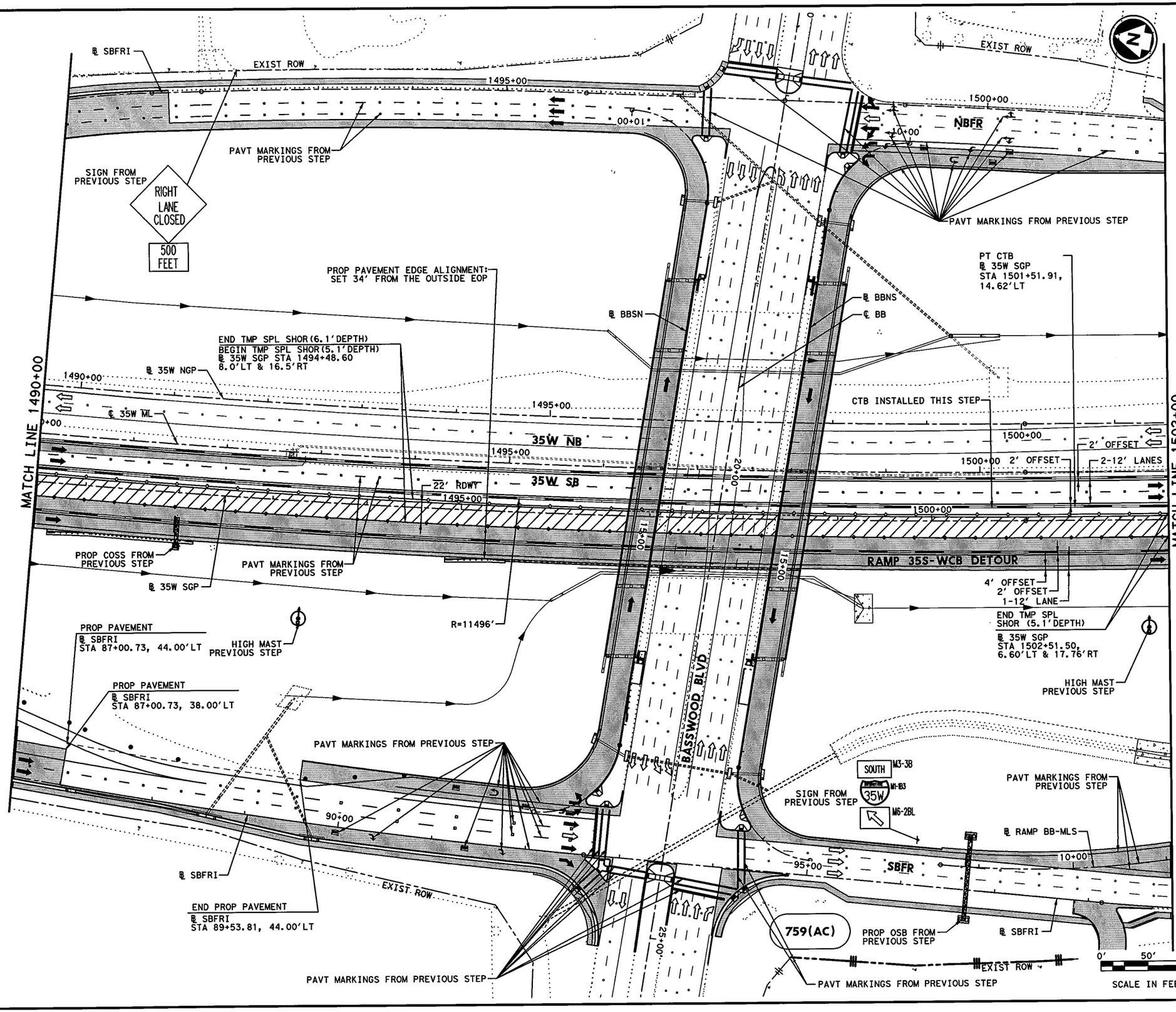
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' SHEET 10 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 496 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_10.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

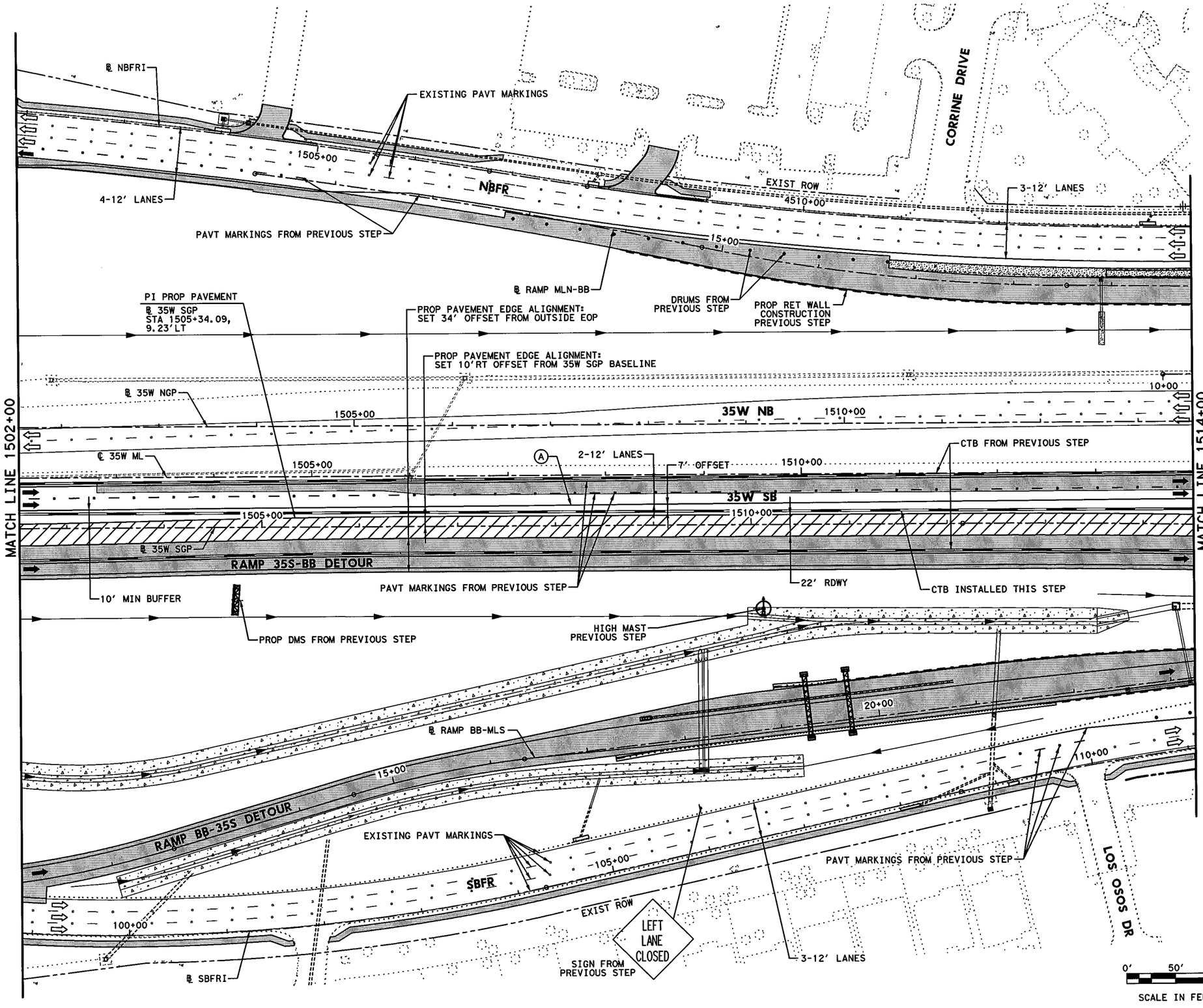
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' SHEET 11 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 497 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP32_11.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

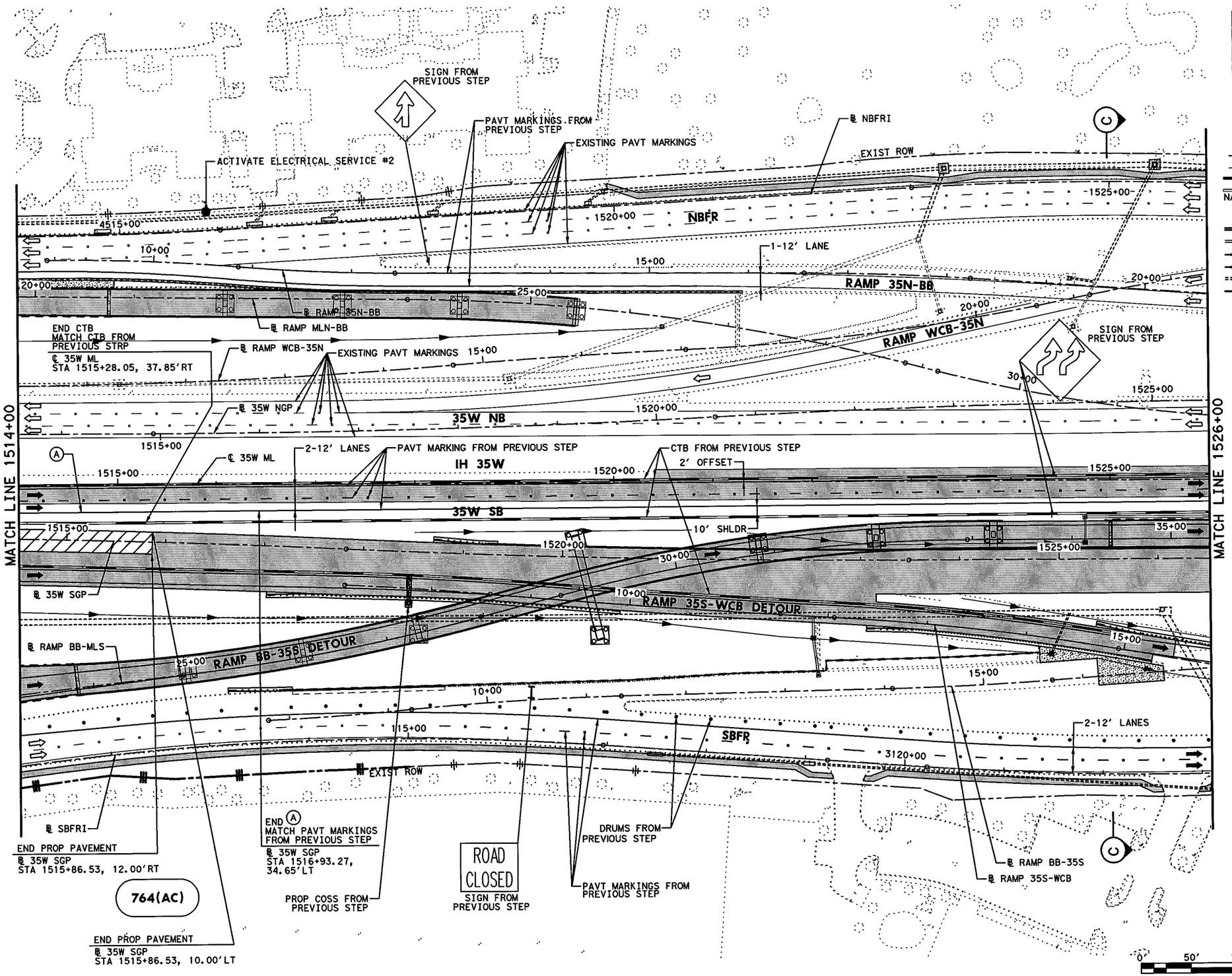
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 2

SCALE 1" = 100' SHEET 12 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 498 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP32_12.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

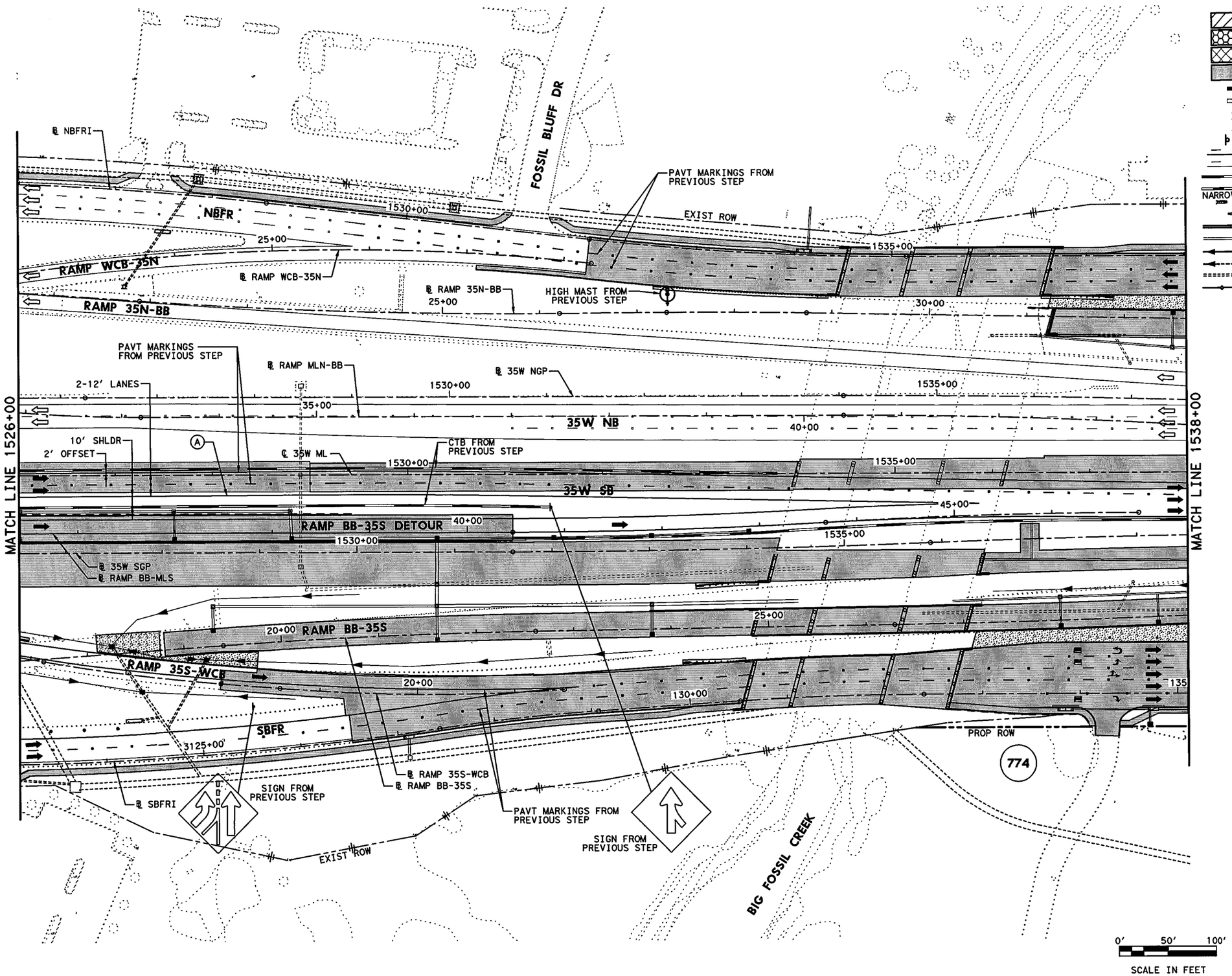
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 2

SCALE 1" = 100' SHEET 13 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 499 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_13.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

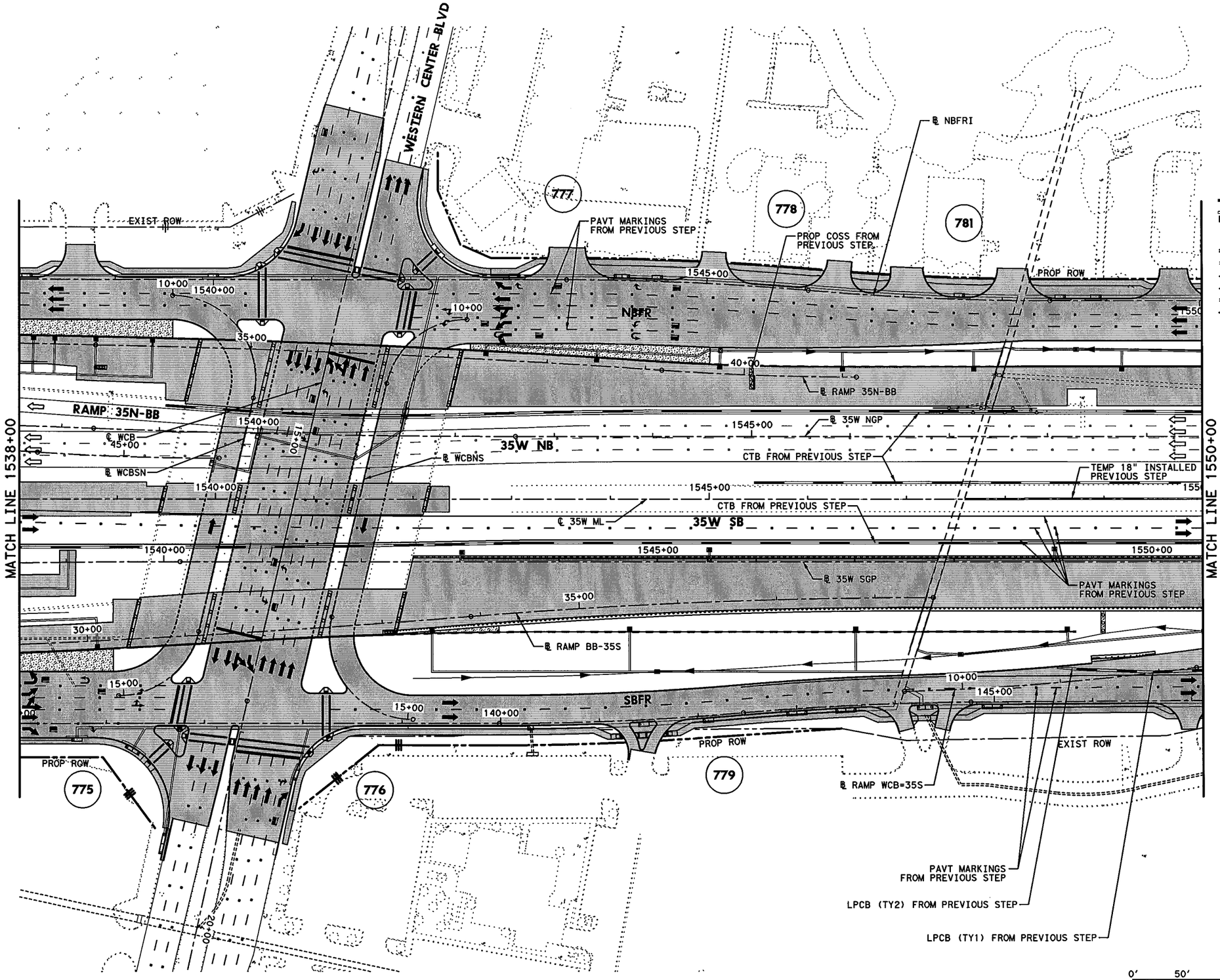
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' SHEET 14 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 500 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_14.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

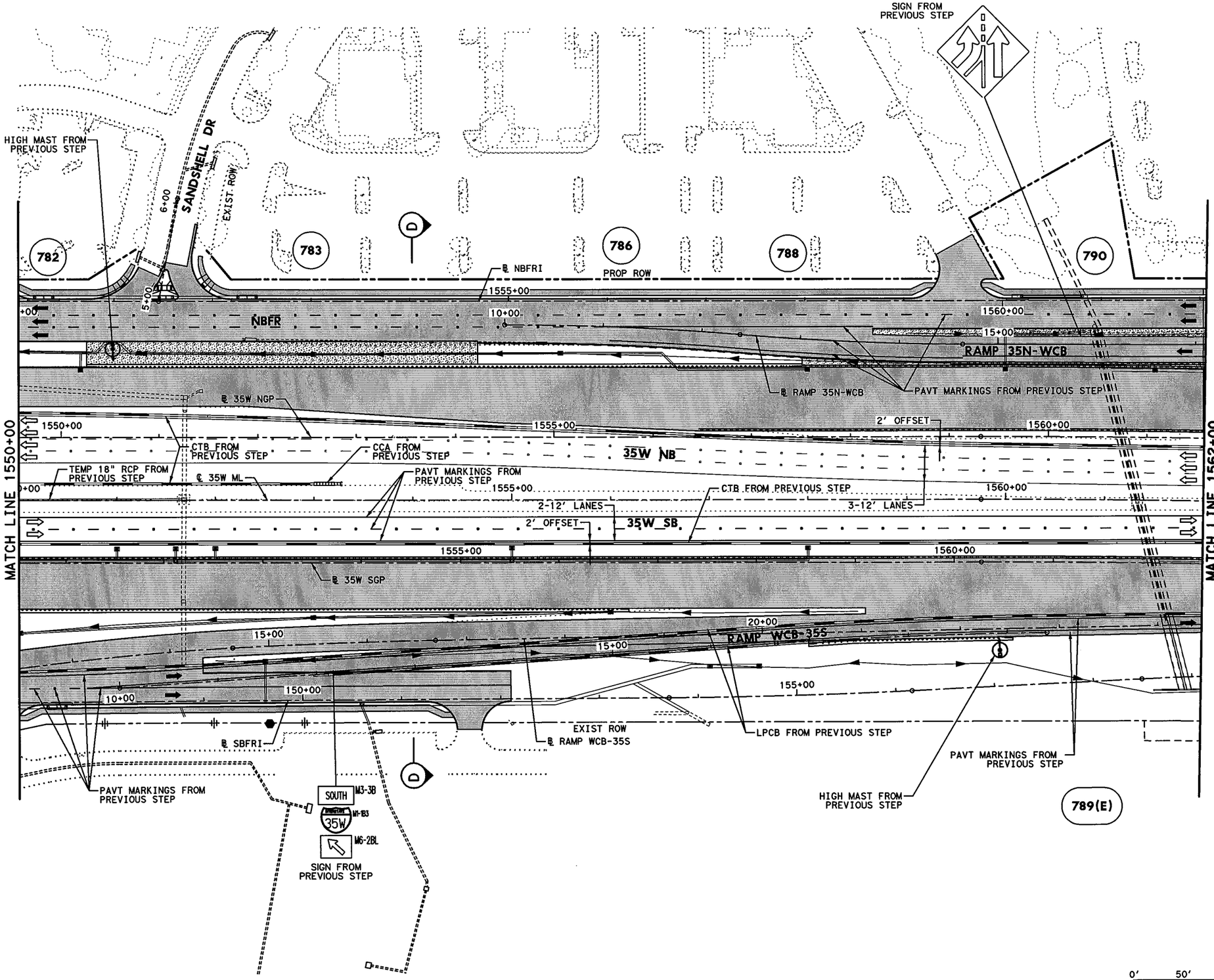
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' — SHEET 15 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 501 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_15.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

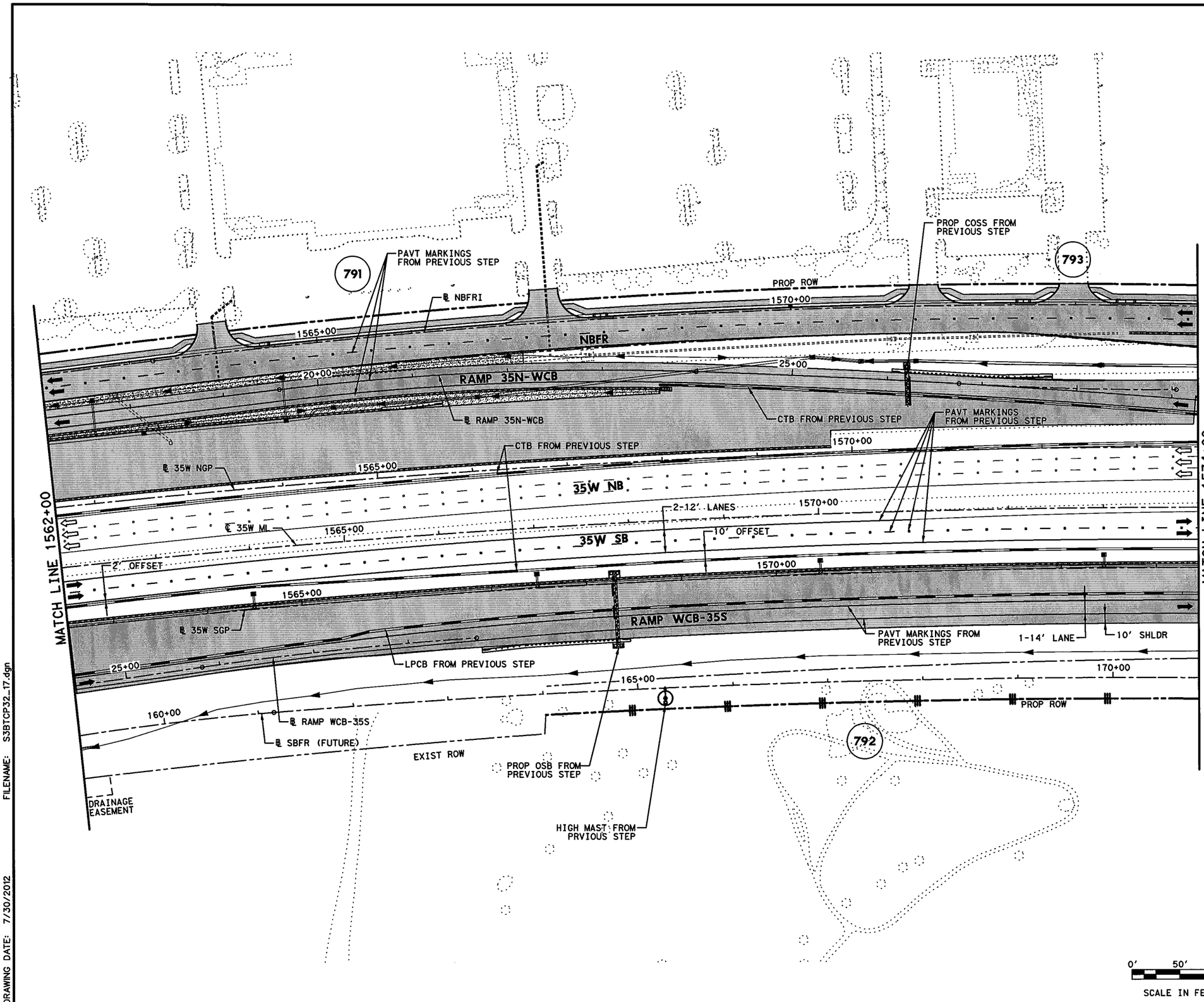
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100'
SHEET 16 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 502 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_16.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

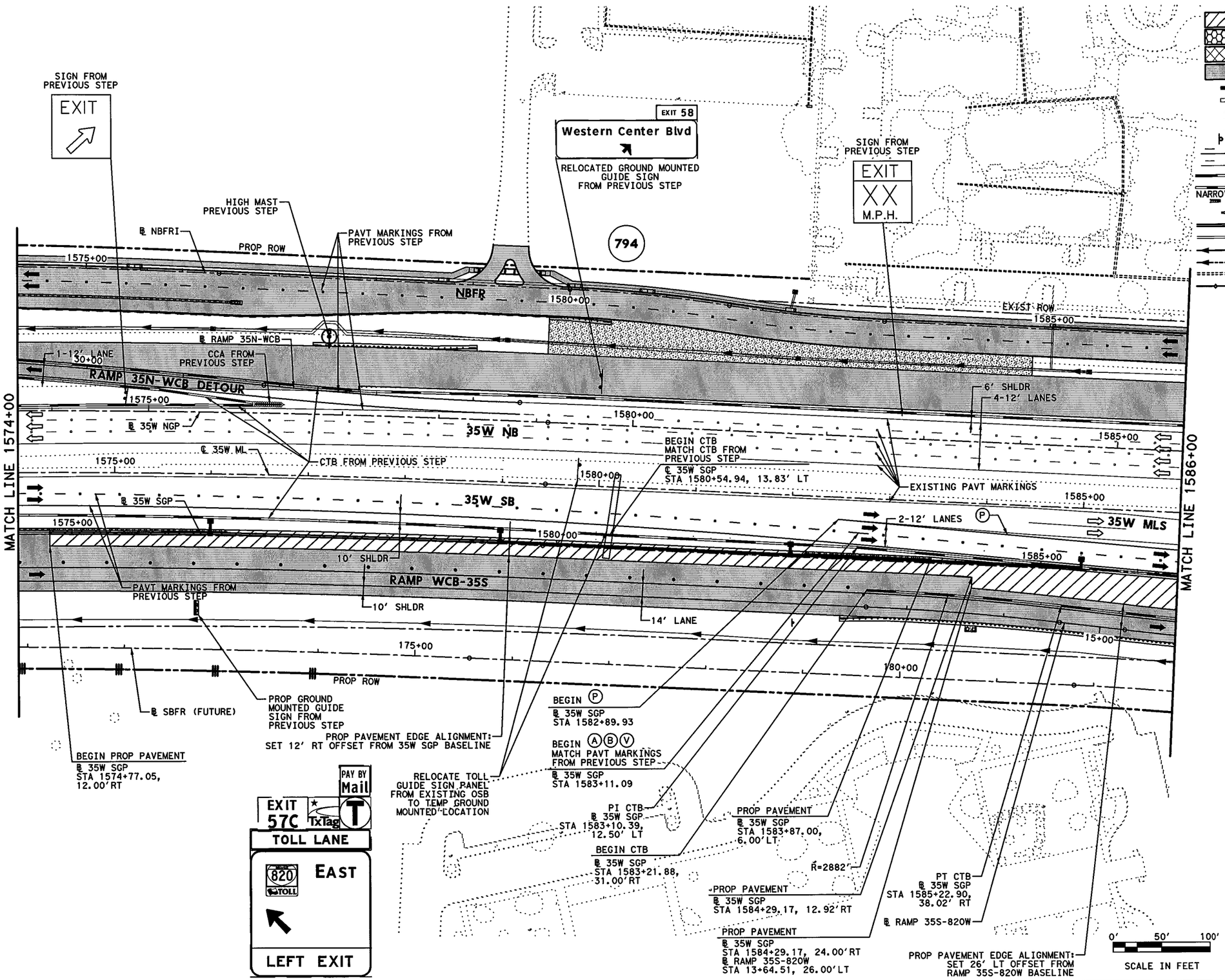
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' SHEET 17 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 503 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_17.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 2

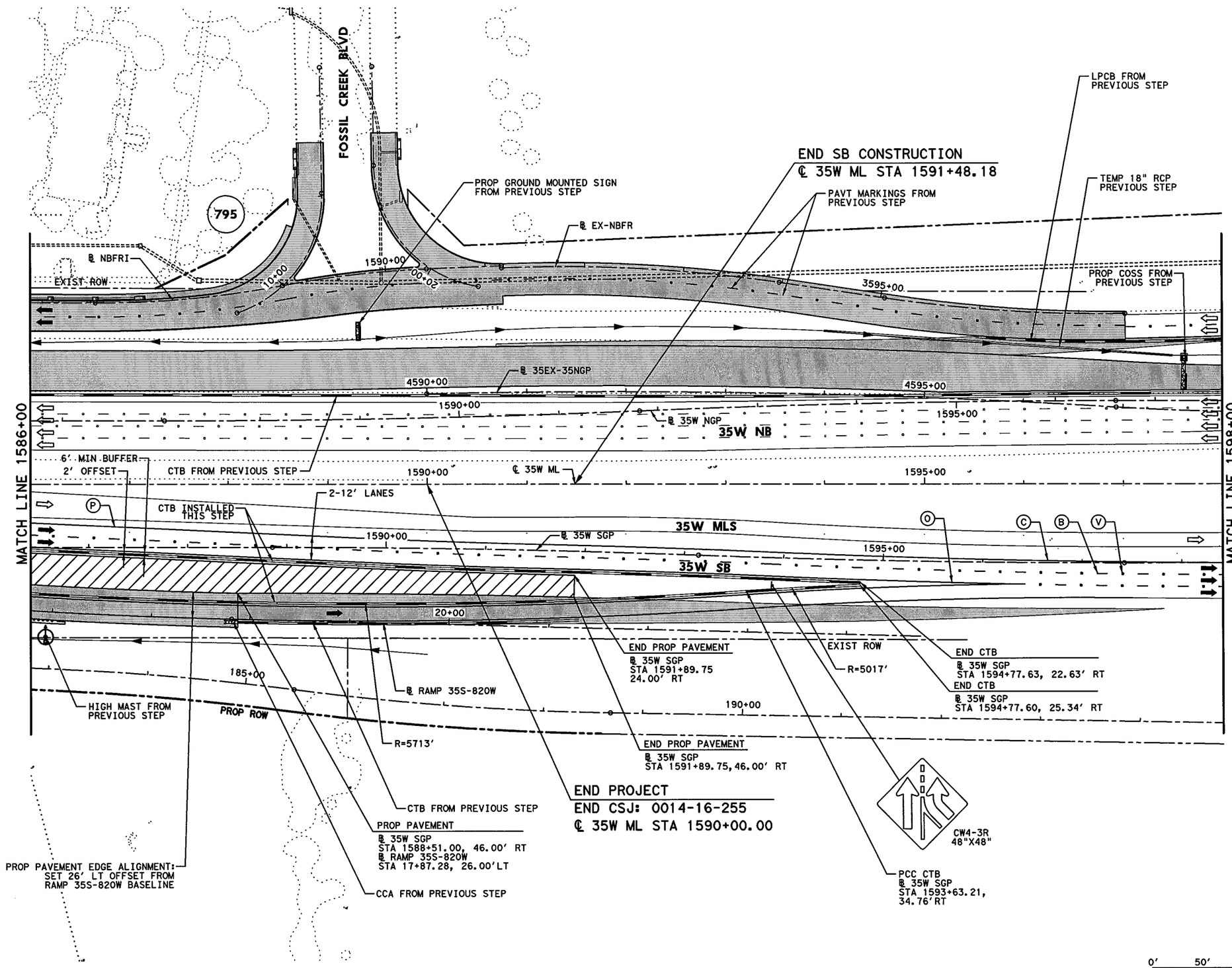
SCALE 1" = 100'

SHEET 18 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 504 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S38TCP32_18.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

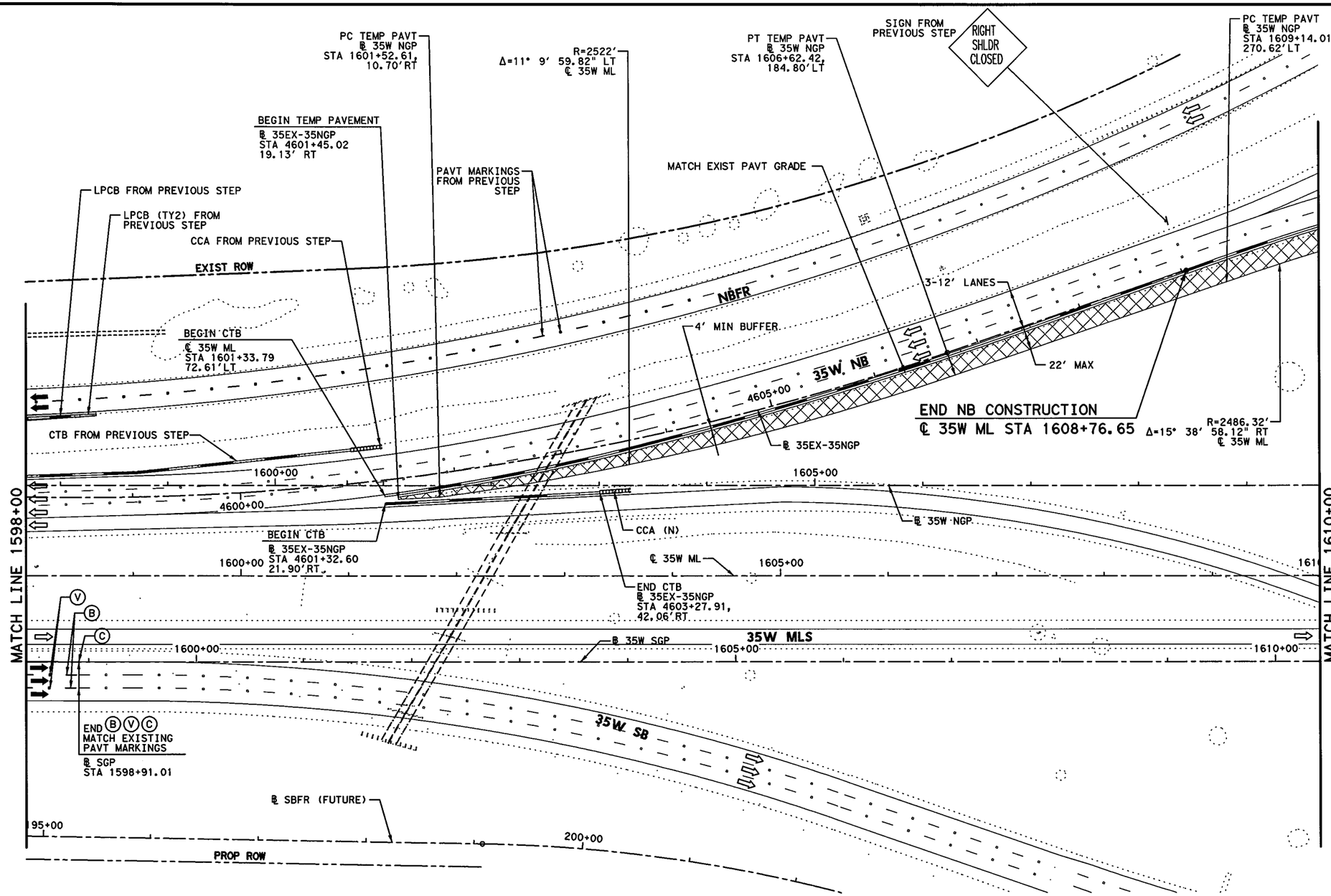
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' SHEET 19 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 505 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP32_19.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHATT BE 2'.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

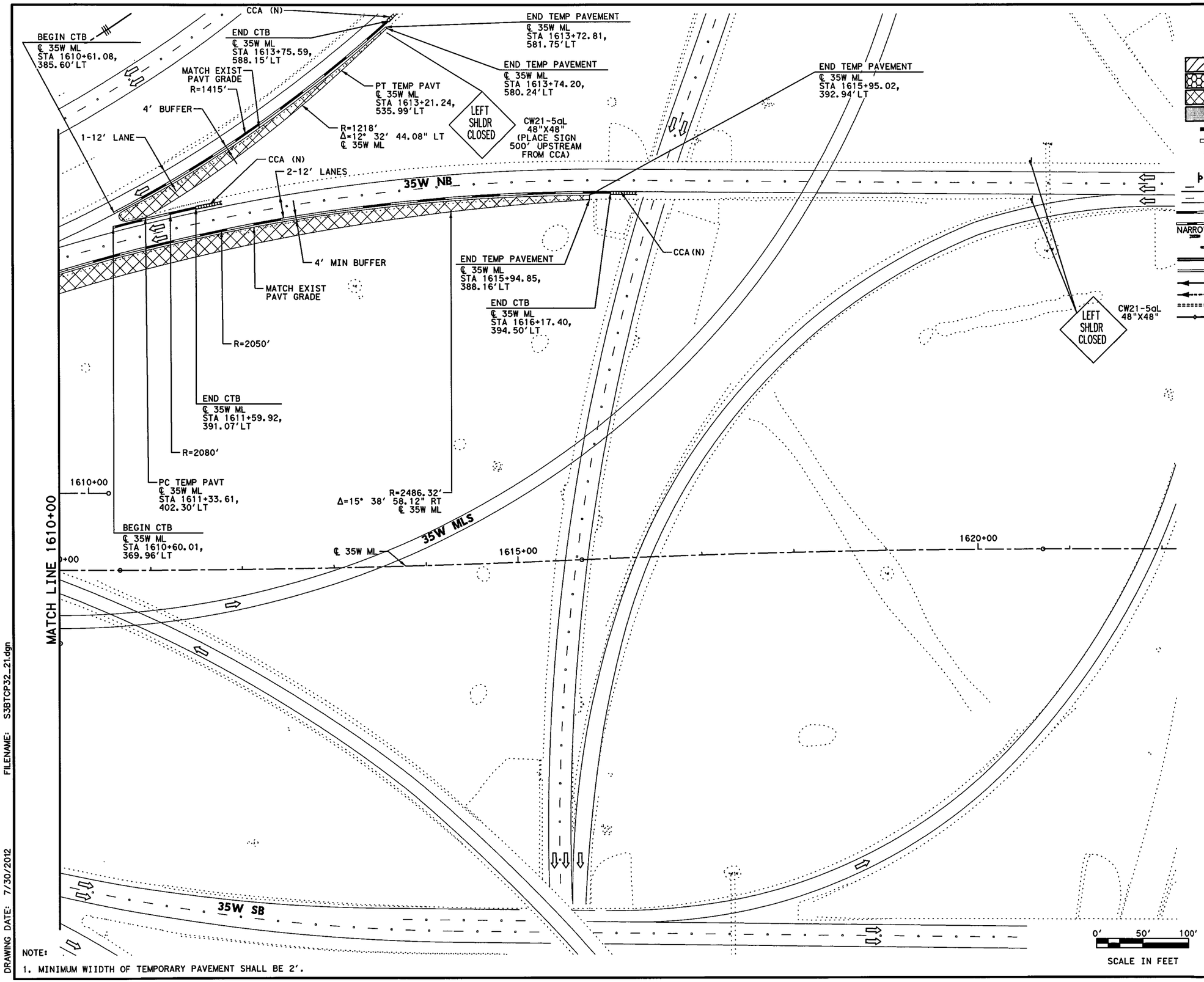
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2**

SCALE 1" = 100' SHEET 20 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 506 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_20.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:
1. MINIMUM WIIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

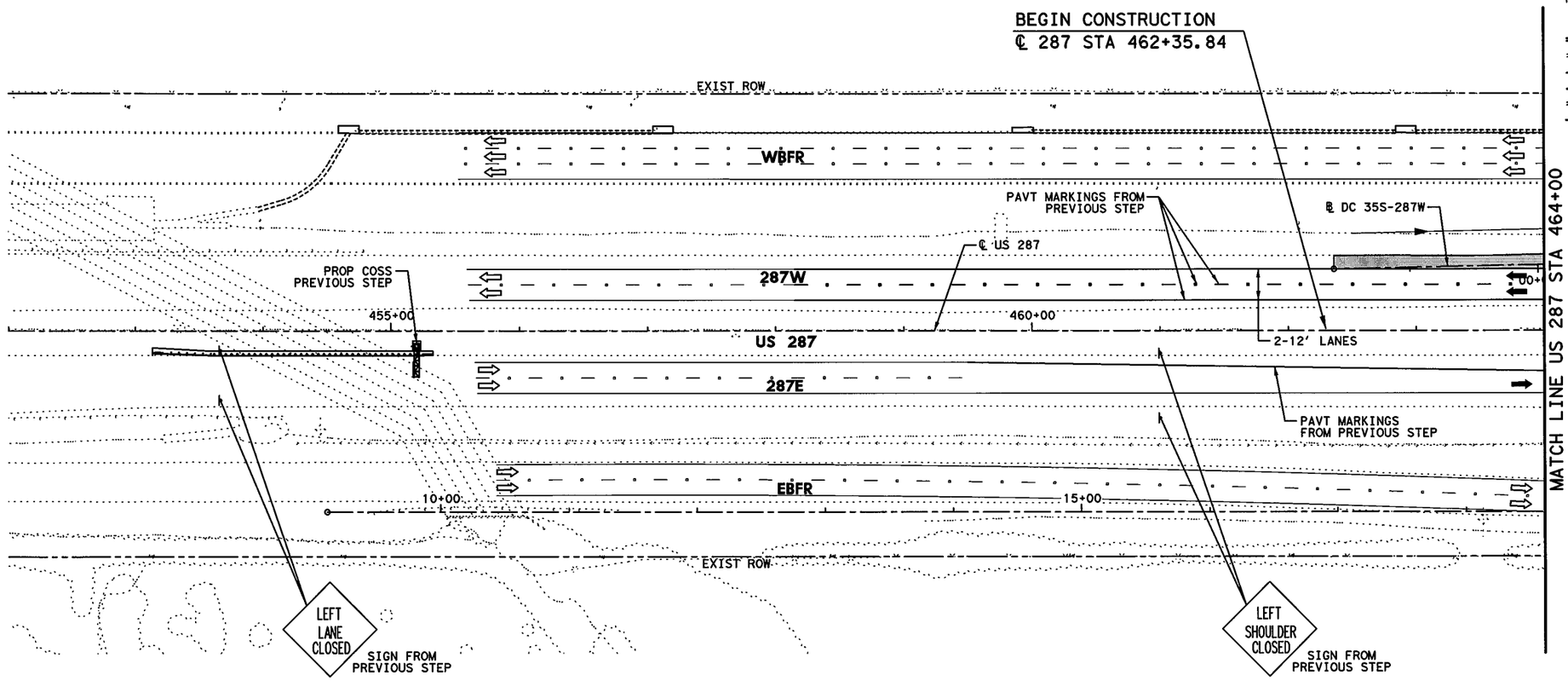
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 2

SCALE 1" = 100' SHEET 21 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 507 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCP32_21.dgn




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 2

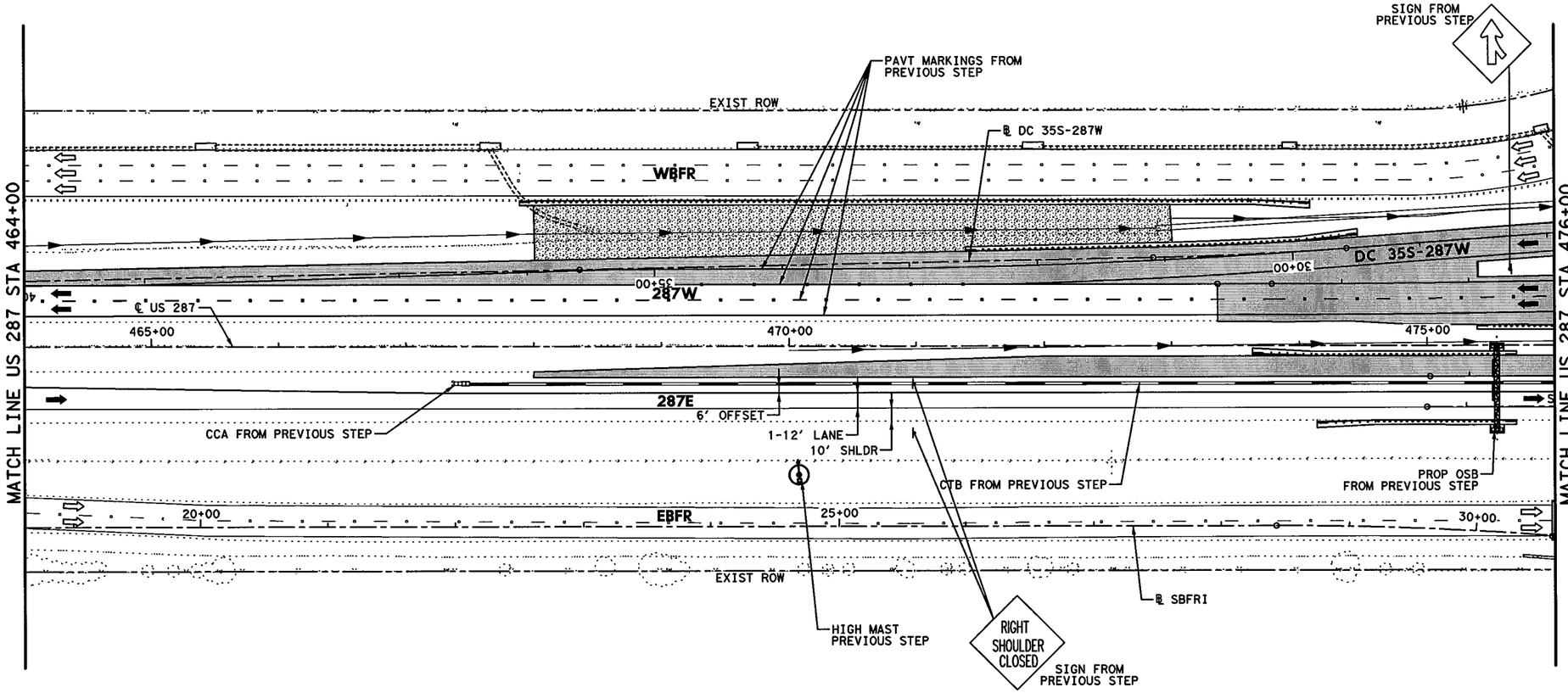
SCALE 1" = 100'

SHEET 22 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 508 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP32_22.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

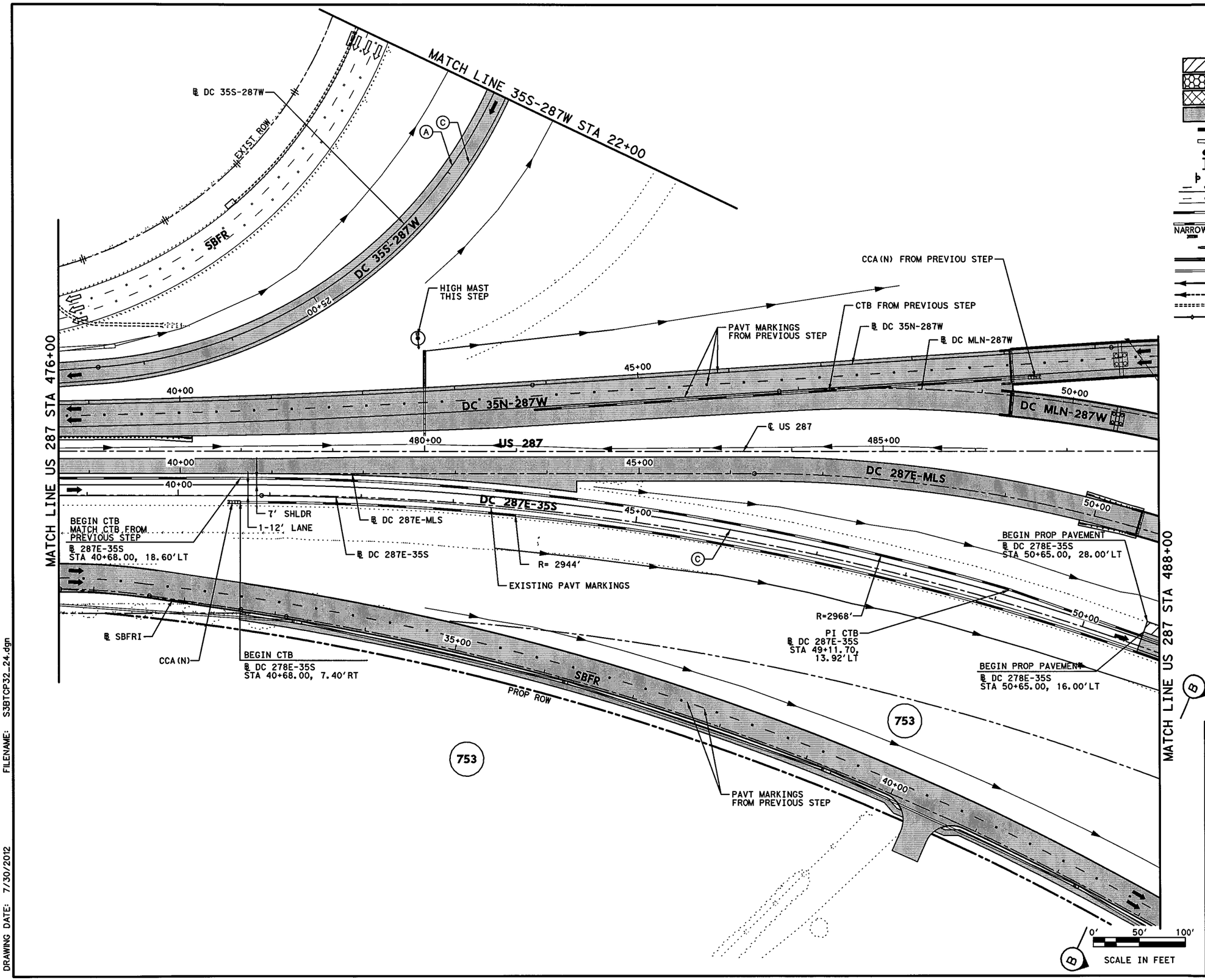
# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 2

SCALE 1" = 100'



| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 509 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP32_23.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
W. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 2

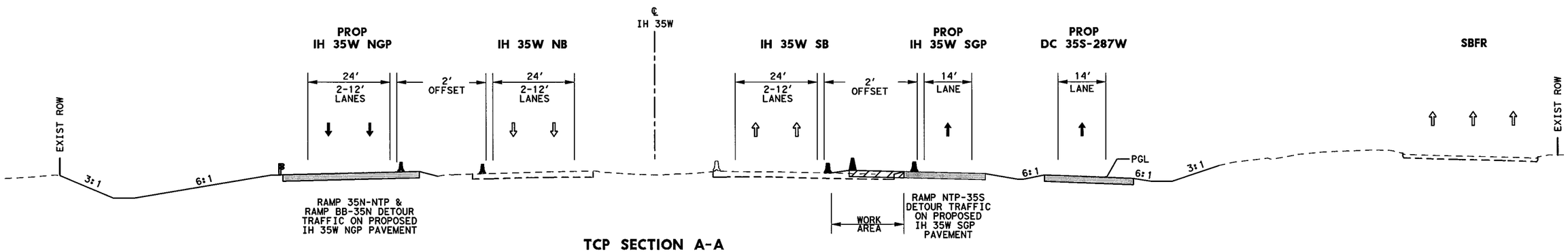
SCALE 1" = 100'

SHEET 24 OF 24

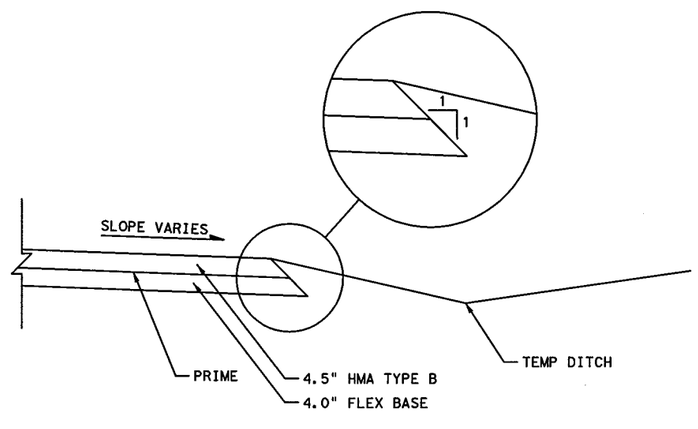
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 510 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32_24.dgn

DRAWING DATE: 7/30/2012




**TCP SECTION A-A**
**STA 1431+00**




**DETOUR & TEMP WIDENING**
**TYPICAL SECTION**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

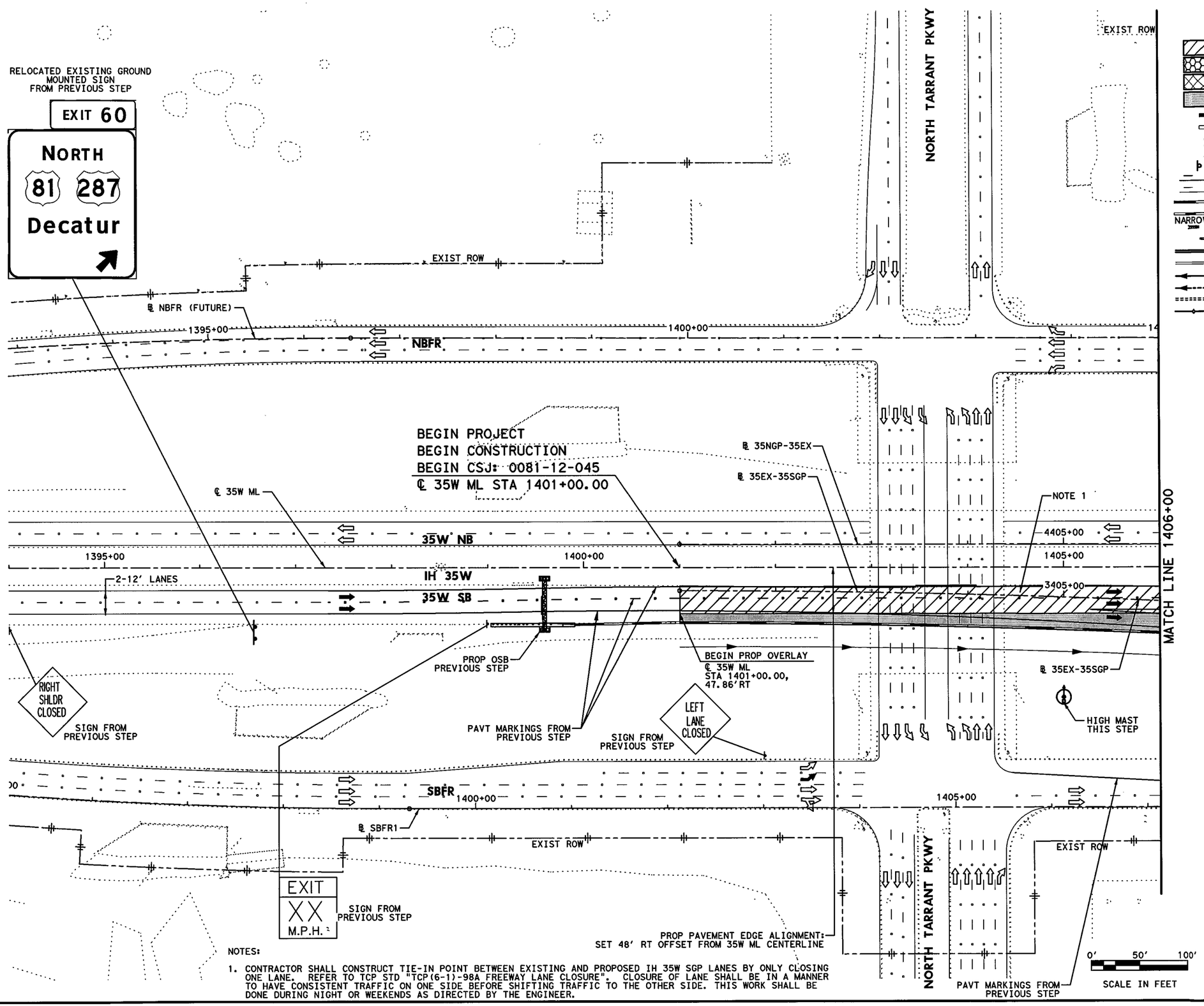
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 3 STEP 2B**

SCALE: NTS — SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 510A |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT32B_01.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. CONTRACTOR SHALL CONSTRUCT TIE-IN POINT BETWEEN EXISTING AND PROPOSED IH 35W SGP LANES BY ONLY CLOSING ONE LANE. REFER TO TCP STD "TCP(6-1)-98A FREEWAY LANE CLOSURE". CLOSURE OF LANE SHALL BE IN A MANNER TO HAVE CONSISTENT TRAFFIC ON ONE SIDE BEFORE SHIFTING TRAFFIC TO THE OTHER SIDE. THIS WORK SHALL BE DONE DURING NIGHT OR WEEKENDS AS DIRECTED BY THE ENGINEER.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

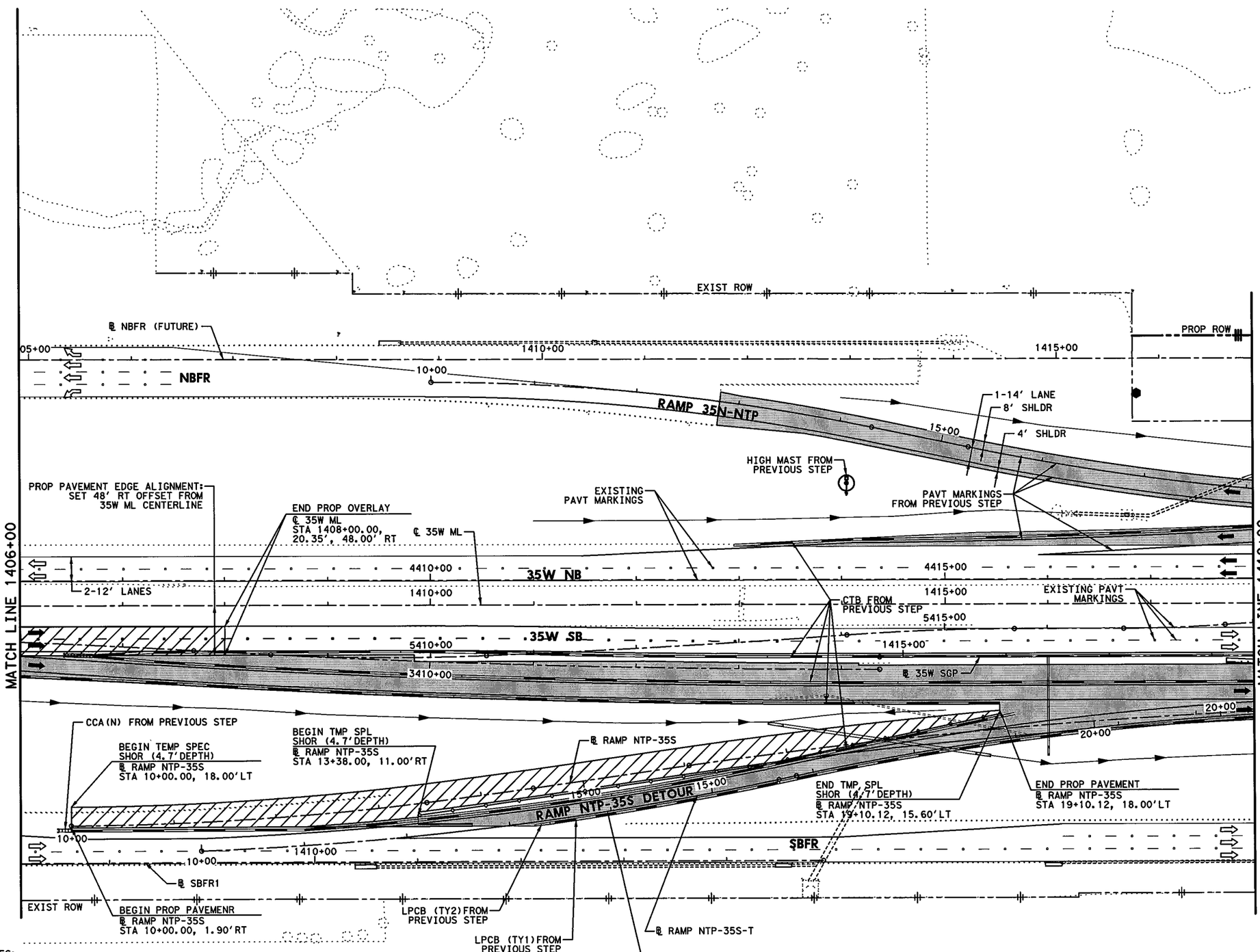
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2B**

SCALE 1" = 100' SHEET 1 OF 8

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 510B |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP32B_01.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. CONTRACTOR SHALL CONSTRUCT TIE-IN POINT BETWEEN EXISTING AND PROPOSED IH 35W SGP LANES BY ONLY CLOSING ONE LANE. REFER TO TCP STD "TCP(6-1)-98A FREEWAY LANE CLOSURE". CLOSURE OF LANE SHALL BE IN A MANNER TO HAVE CONSISTENT TRAFFIC ON ONE SIDE BEFORE SHIFTING TRAFFIC TO THE OTHER SIDE. THIS WORK SHALL BE DONE DURING NIGHT OR WEEKEND AS DIRECTED BY THE ENGINEER.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

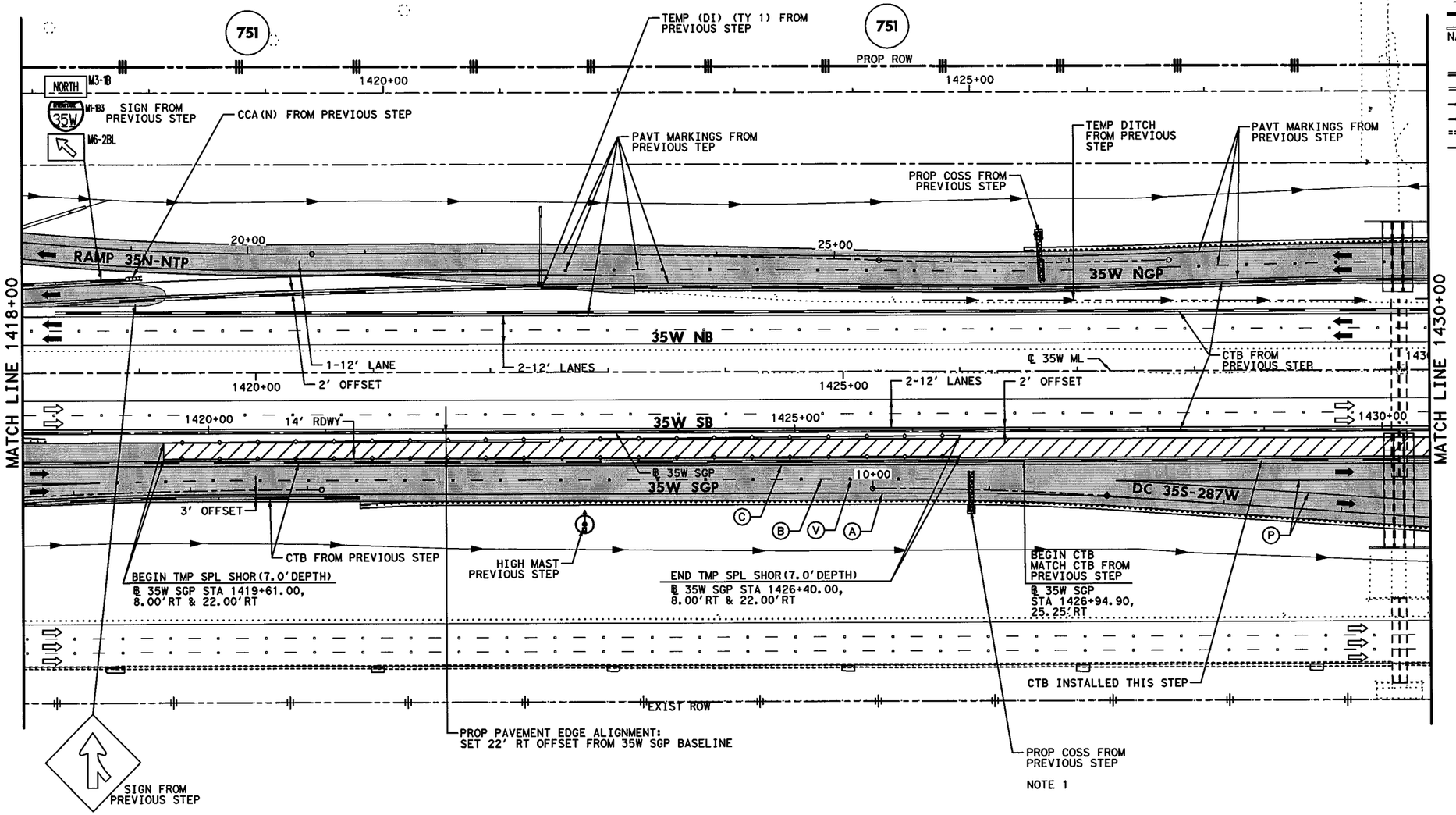
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2B**

SCALE 1" = 100' SHEET 2 OF 8

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 510C |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP32B_02.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
W. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. PROPOSED GUIDE SIGN TO DIRECT TRAFFIC. SEE SIGN LAYOUT SHEETS.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

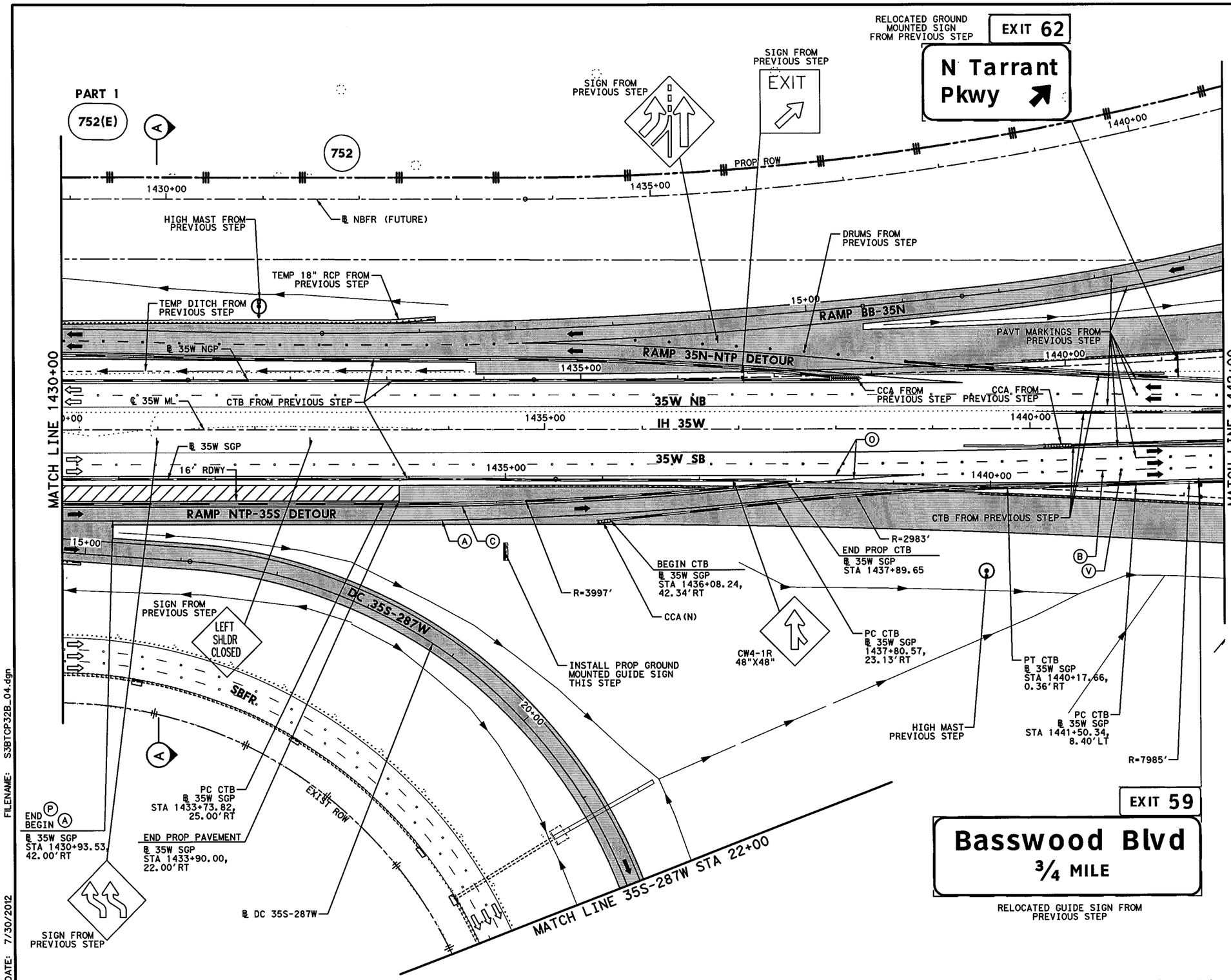
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2B**

SCALE 1" = 100' SHEET 3 OF 8

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 510D |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32B_03.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

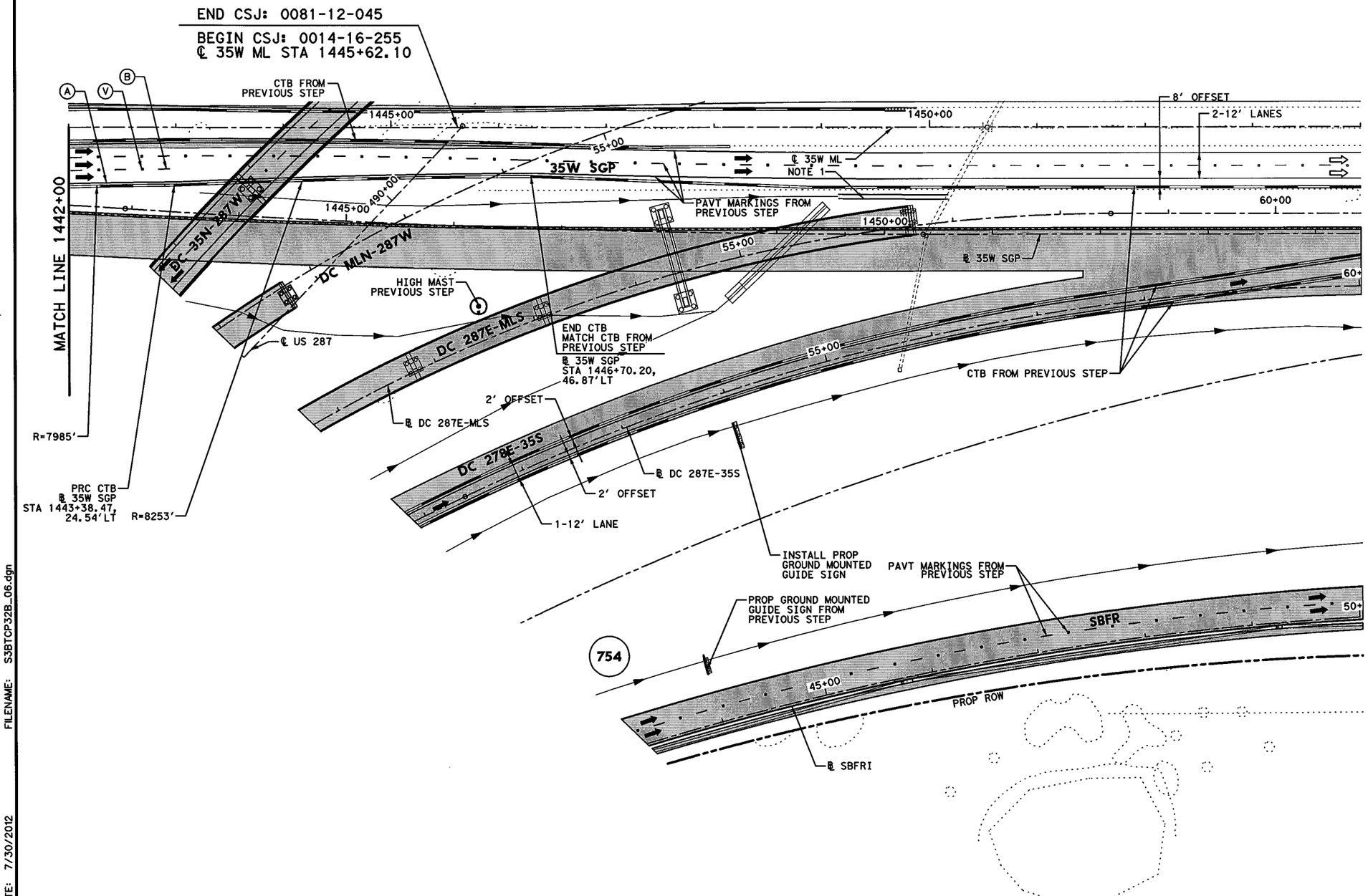
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2B**

SCALE 1" = 100' SHEET 4 OF 8

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 510E |
| CHECK | CONTROL | SECTION | JOB | |
| PJF / SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP32B_04.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. TEMPORARY 48" RCP AND TIE TO PROP 4'x3' BOX WITH EXISTING 48" RCP FROM PREVIOUS STEP.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 3 STEP 2B

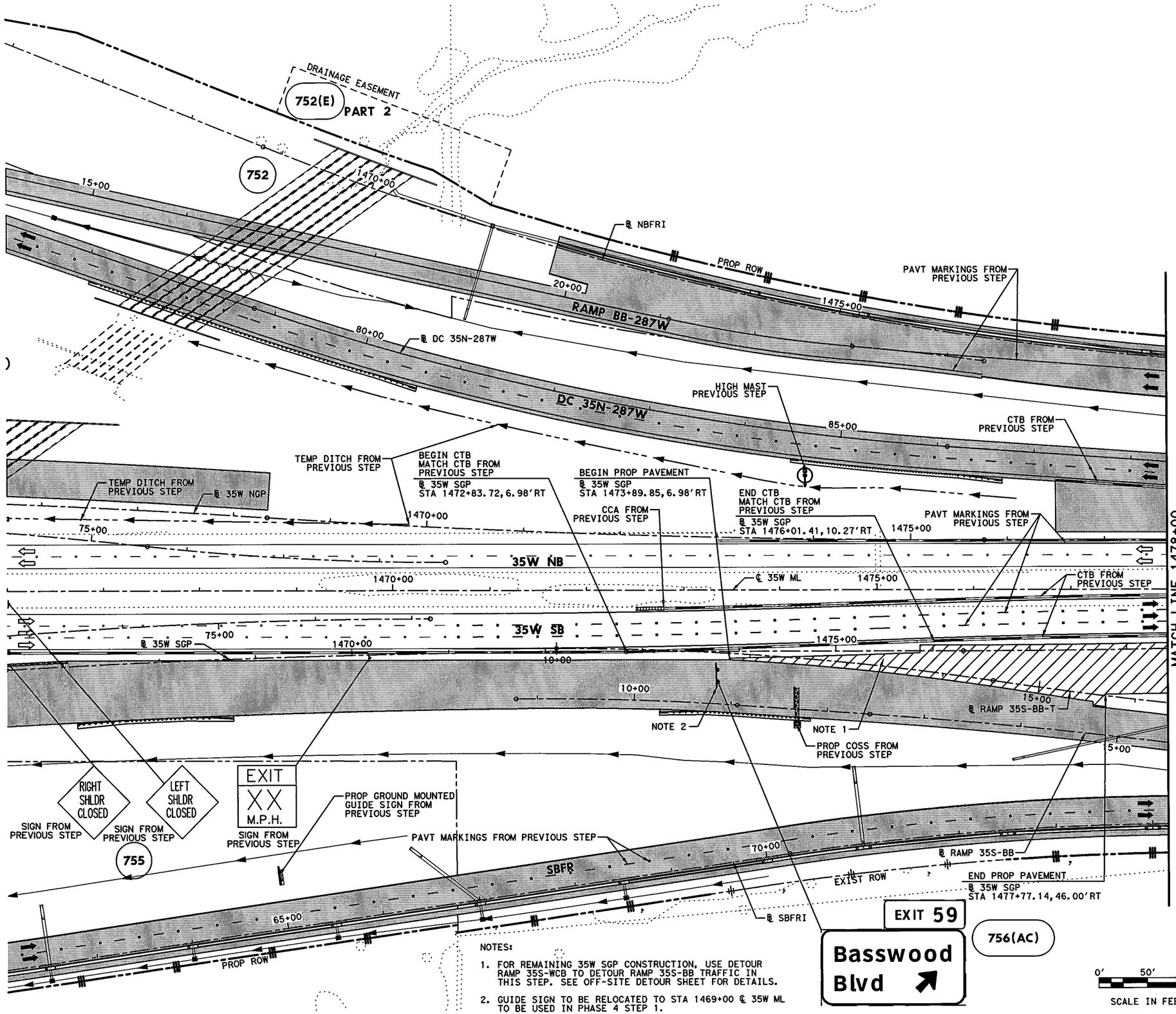
SCALE 1" = 100'

SHEET 5 OF 8

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 51OF |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32B_06.dgn

DRAWING DATE: 7/30/2012




NOTES:

1. FOR REMAINING 35W SGP CONSTRUCTION, USE DETOUR RAMP 35S-WCB TO DETOUR RAMP 35S-BB TRAFFIC IN THIS STEP. SEE OFF-SITE DETOUR SHEET FOR DETAILS.
2. GUIDE SIGN TO BE RELOCATED TO STA 1469+00 ℄ 35W ML TO BE USED IN PHASE 4 STEP 1.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

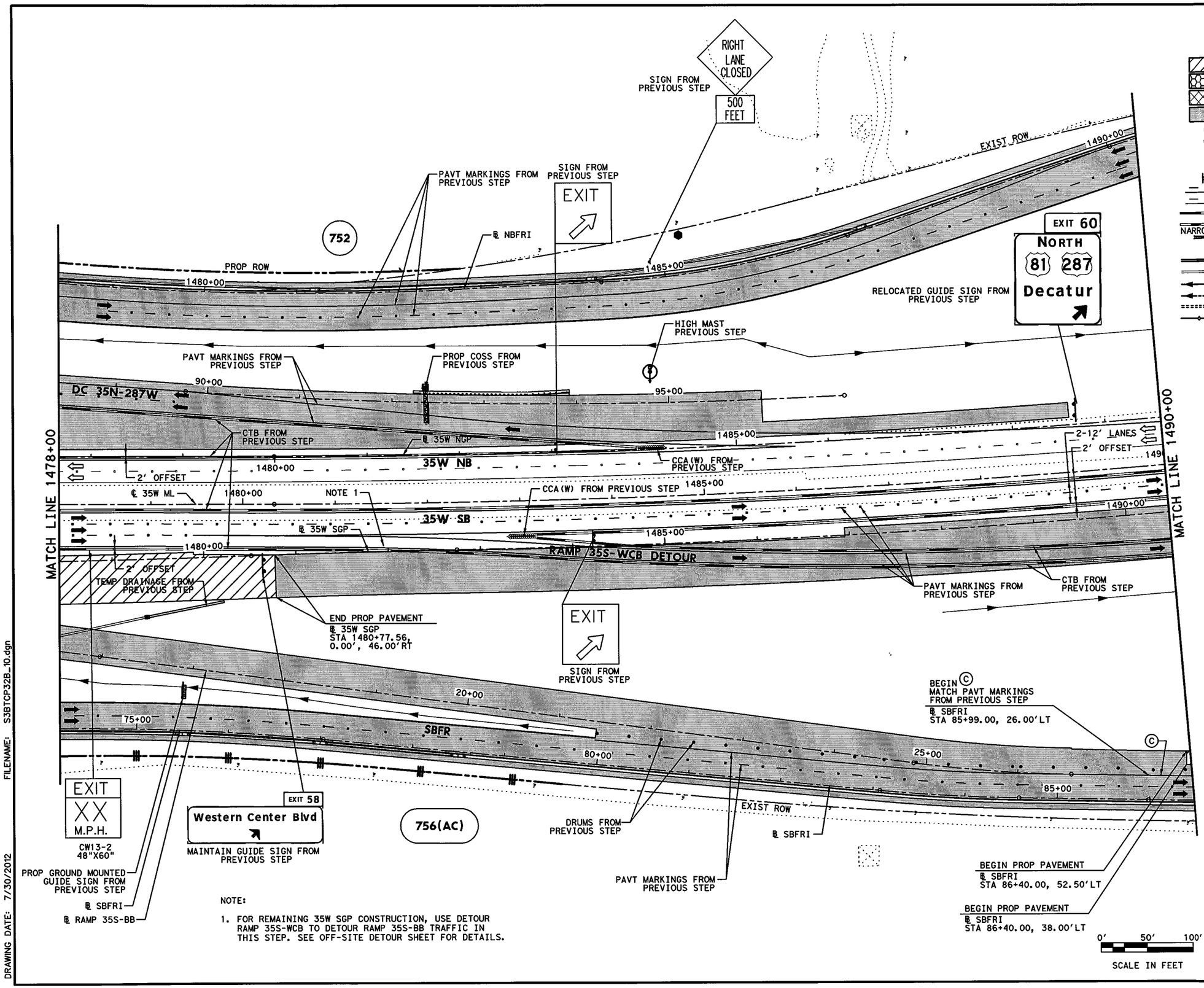
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2B**

SCALE 1" = 100' SHEET 6 OF 8

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 510G |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP32B_09.dgn
DRAWING DATE: 7/30/2012




NOTE:

1. FOR REMAINING 35W SGP CONSTRUCTION, USE DETOUR RAMP 35S-WCB TO DETOUR RAMP 35S-BB TRAFFIC IN THIS STEP. SEE OFF-SITE DETOUR SHEET FOR DETAILS.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

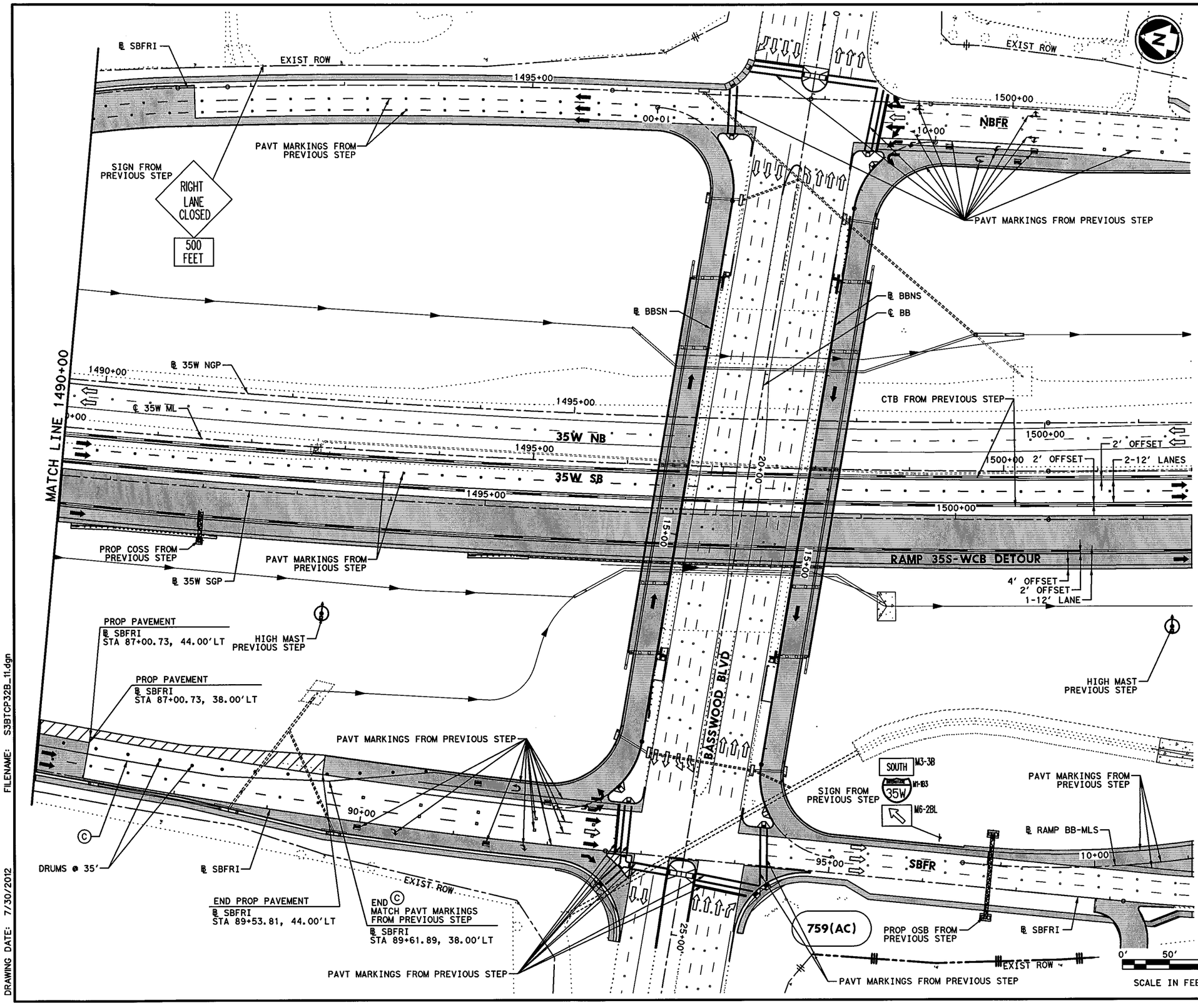
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2B**

SCALE 1" = 100' SHEET 7 OF 8

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 510H |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP32B_10.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

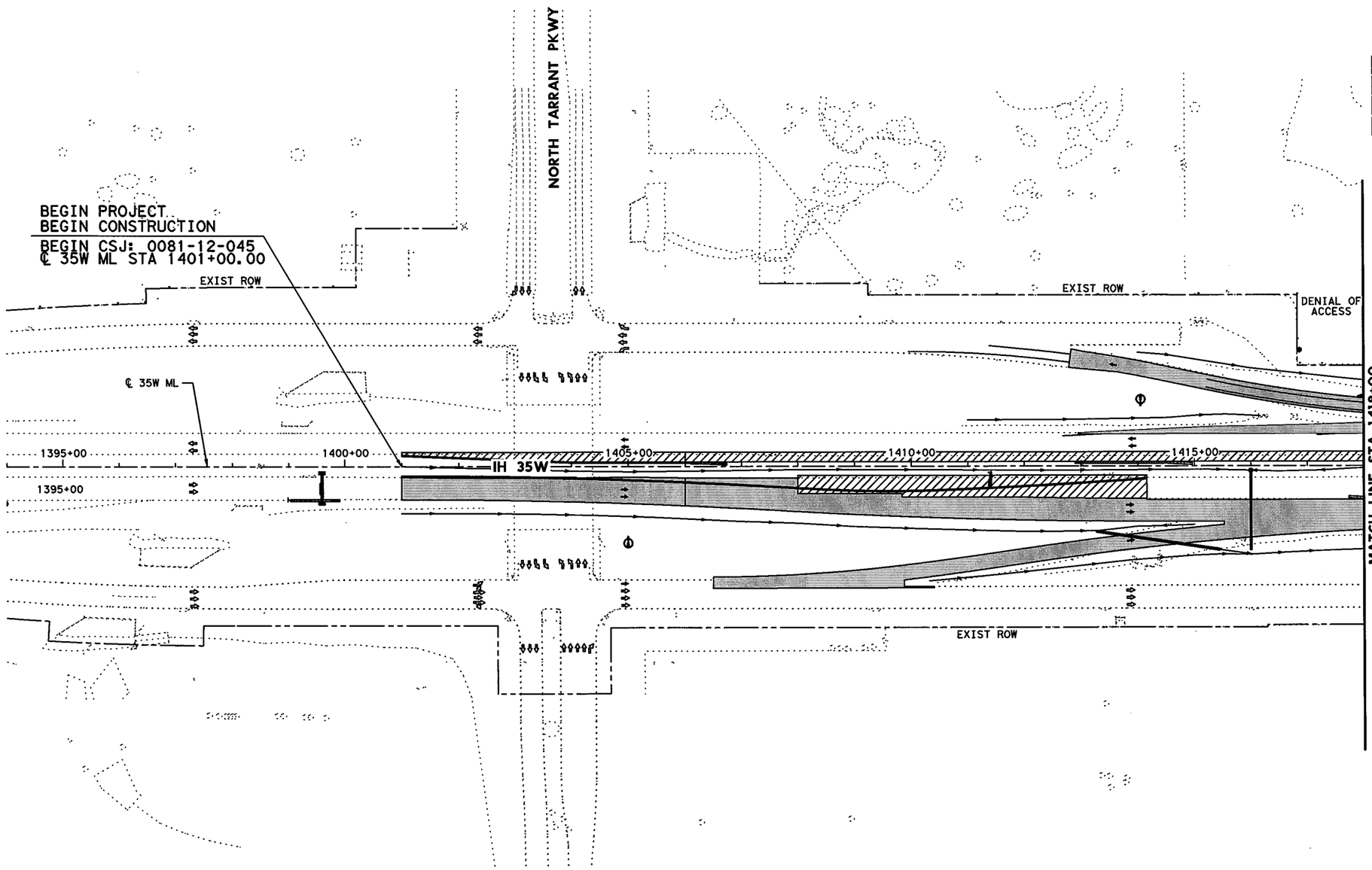
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 3 STEP 2B**

SCALE 1" = 100' SHEET 8 OF 8

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 5101 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP32B_11.dgn
DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED PROFESSIONAL ENGINEER
7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 4 STEP 1

## BEGIN PROJECT TO STA 1418+00

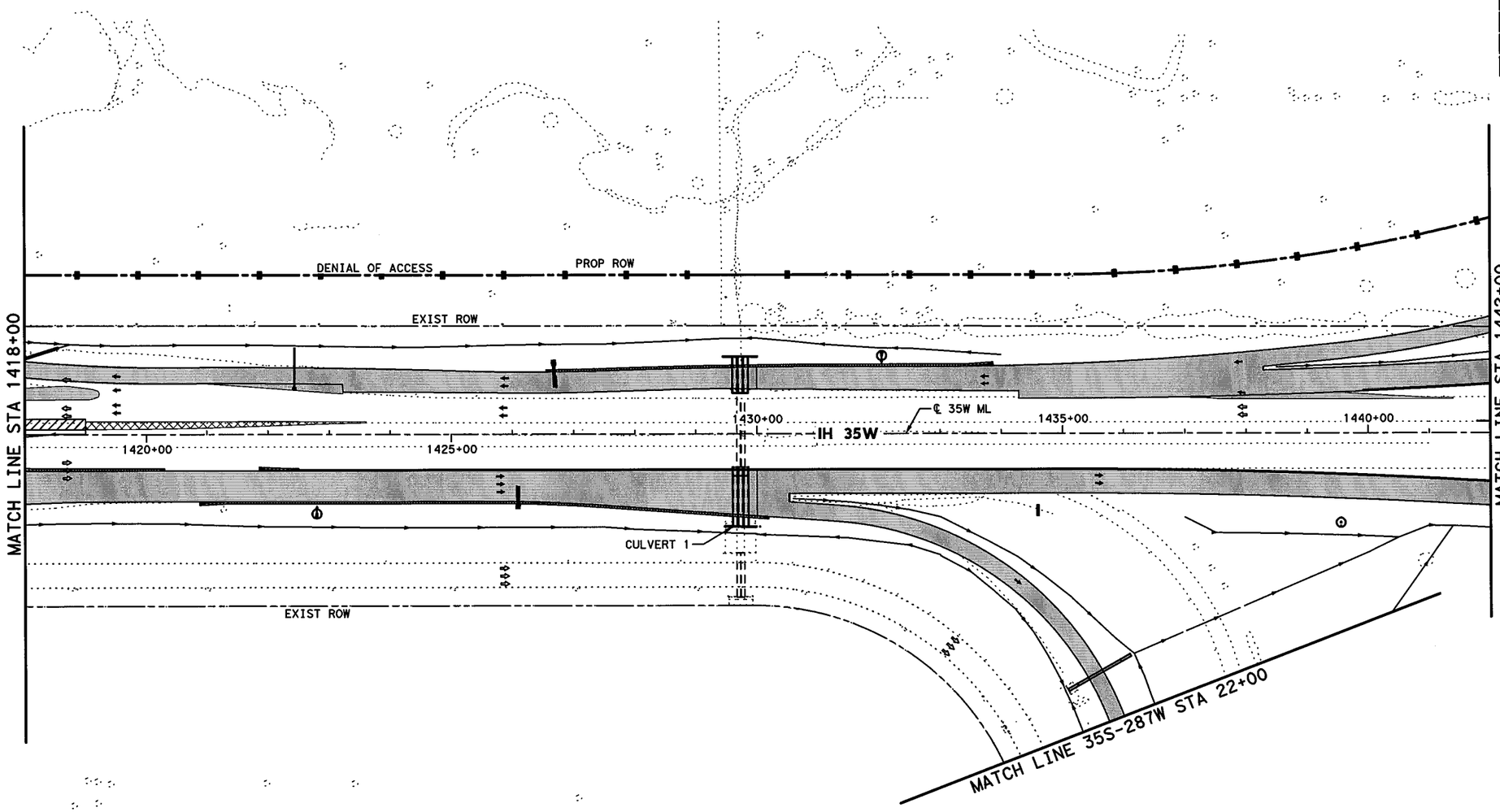
SCALE: 1" = 200'

SHEET 1 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 511 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL41_01.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 4 STEP 1

## STA 1418+00 TO STA 1442+00

SCALE: 1" = 200'

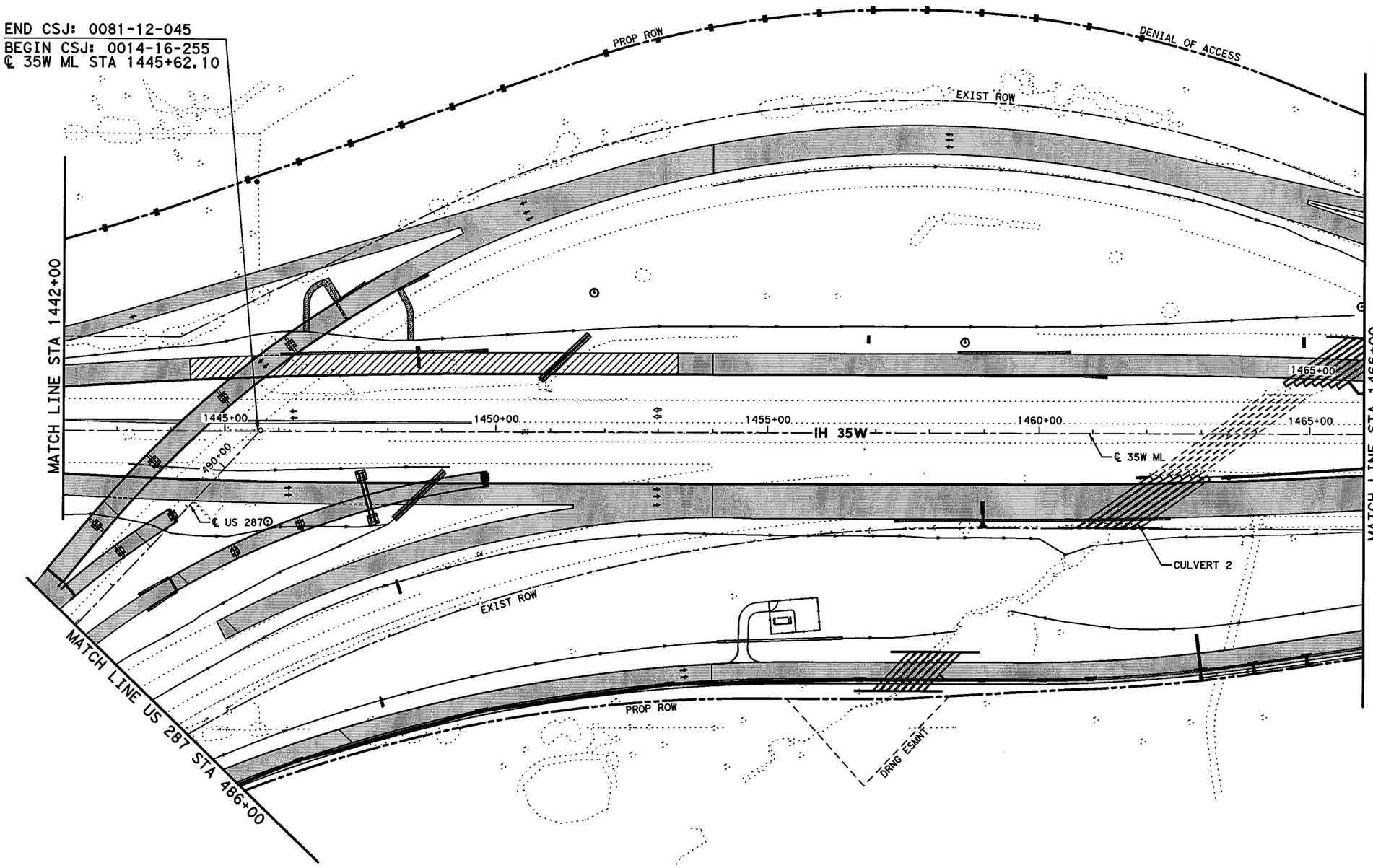
SHEET 2 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 512 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL41_02.dgn

DRAWING DATE: 7/30/2012

END CSJ: 0081-12-045
BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




0' 50' 100' 200'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

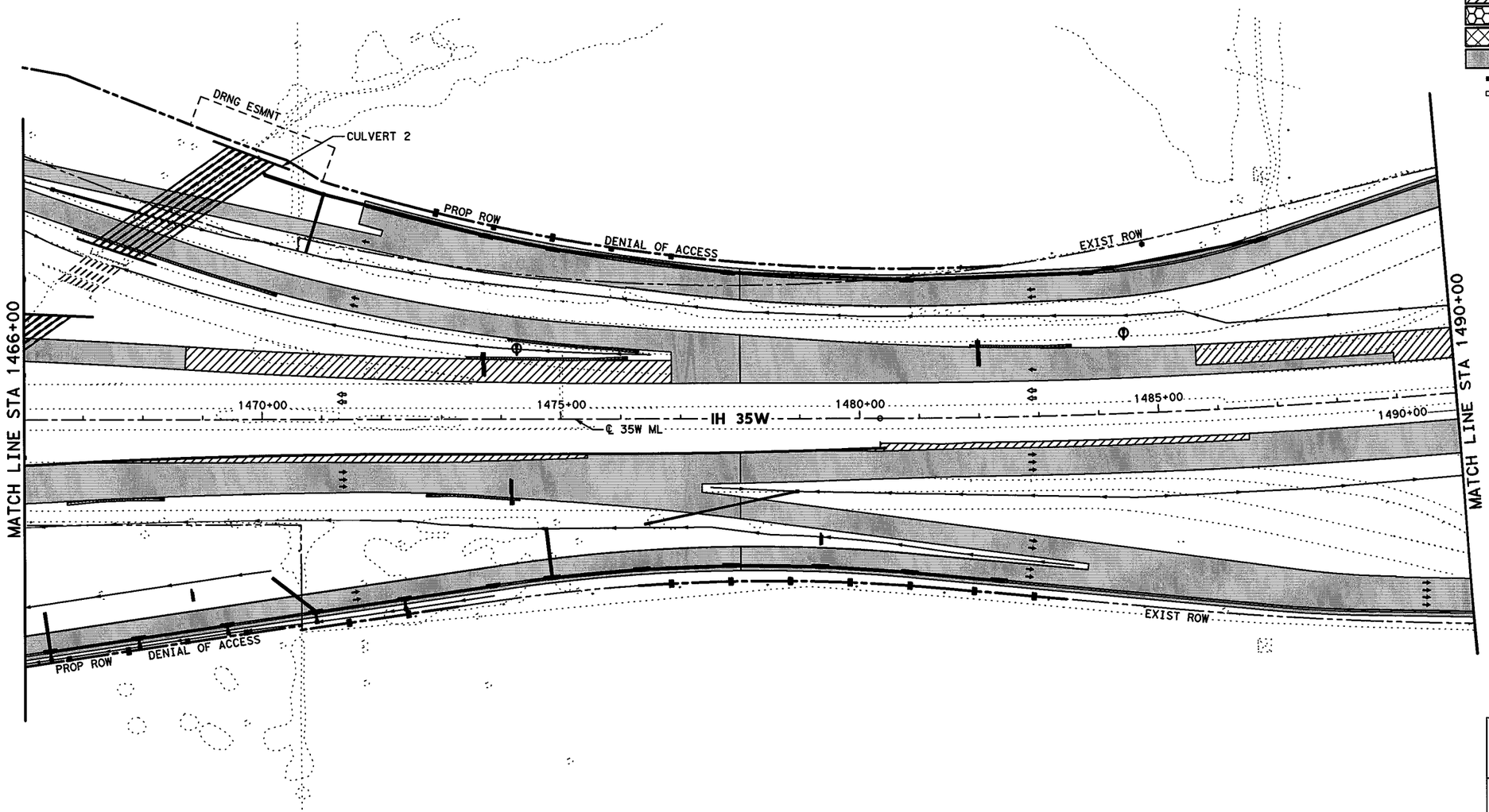
**PHASE 4 STEP 1**

**STA 1442+00 TO STA 1466+00**

SCALE: 1" = 200' SHEET 3 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 513 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCL41_03.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 4 STEP 1

## STA 1466+00 TO STA 1490+00

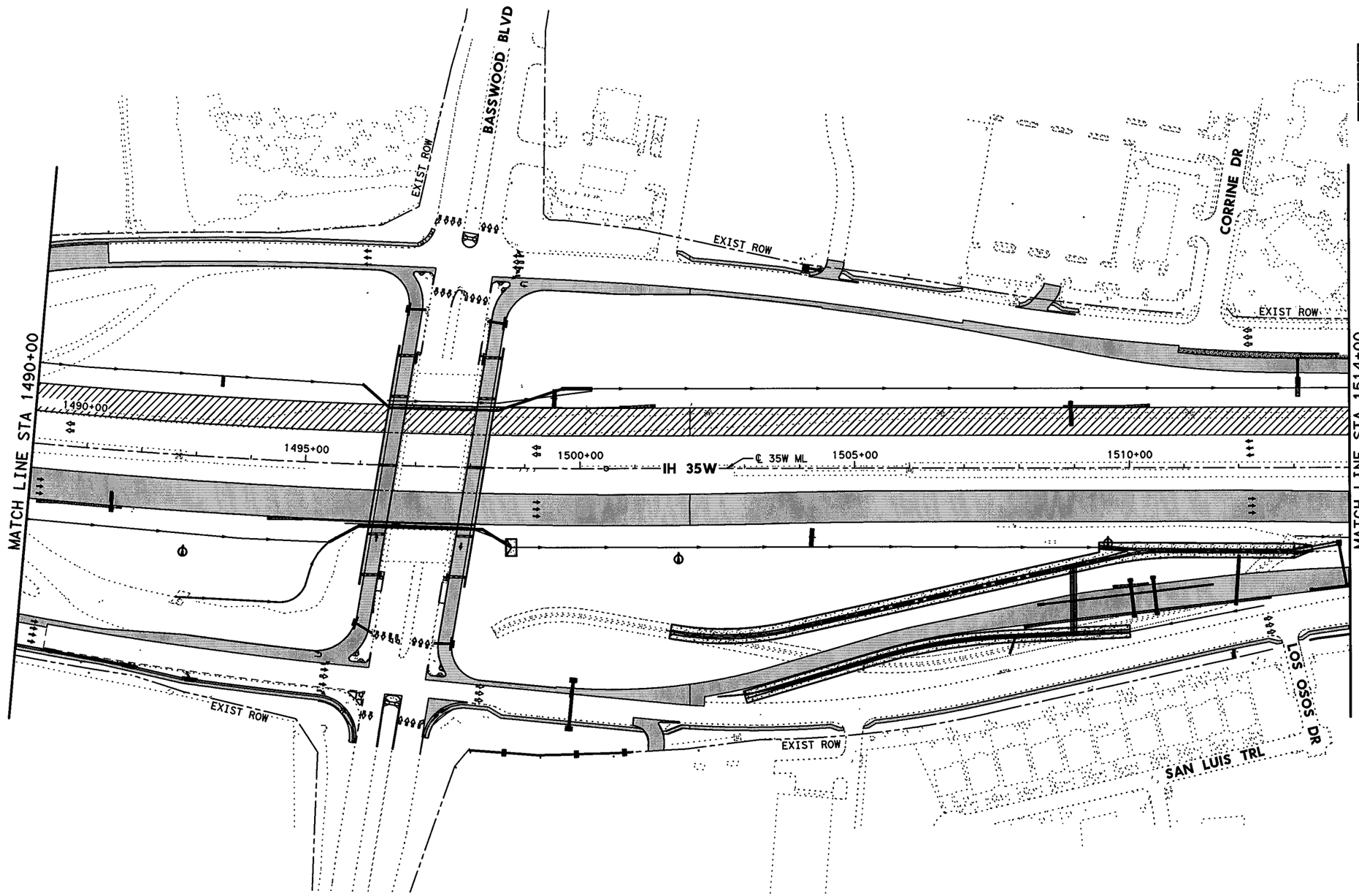
SCALE: 1" = 200'

SHEET 4 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 514 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL41_04.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 4 STEP 1

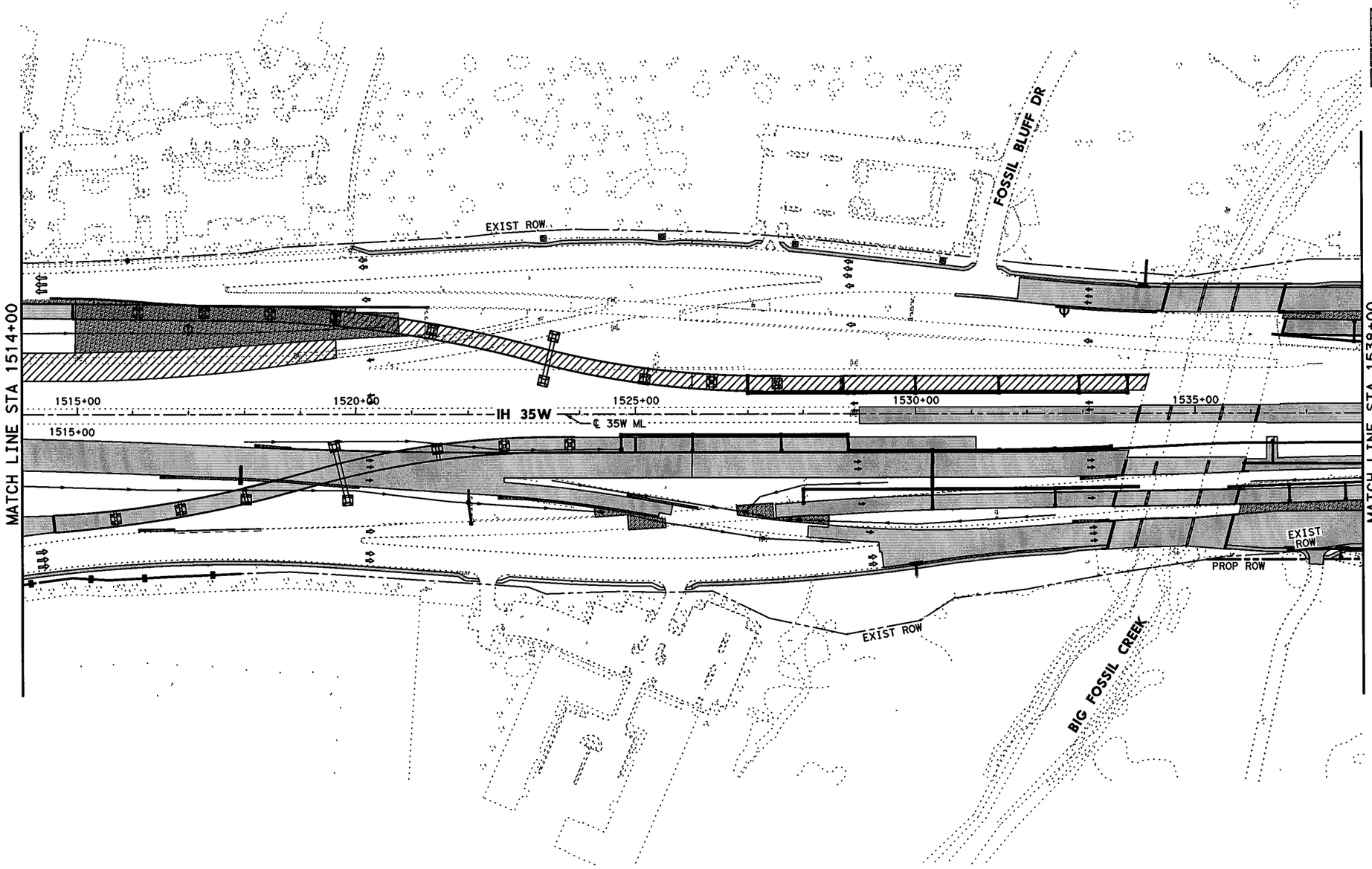
## STA 1490+00 TO STA 1514+00

SCALE: 1" = 200'

SHEET 5 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 515 |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCL41_05.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 4 STEP 1**

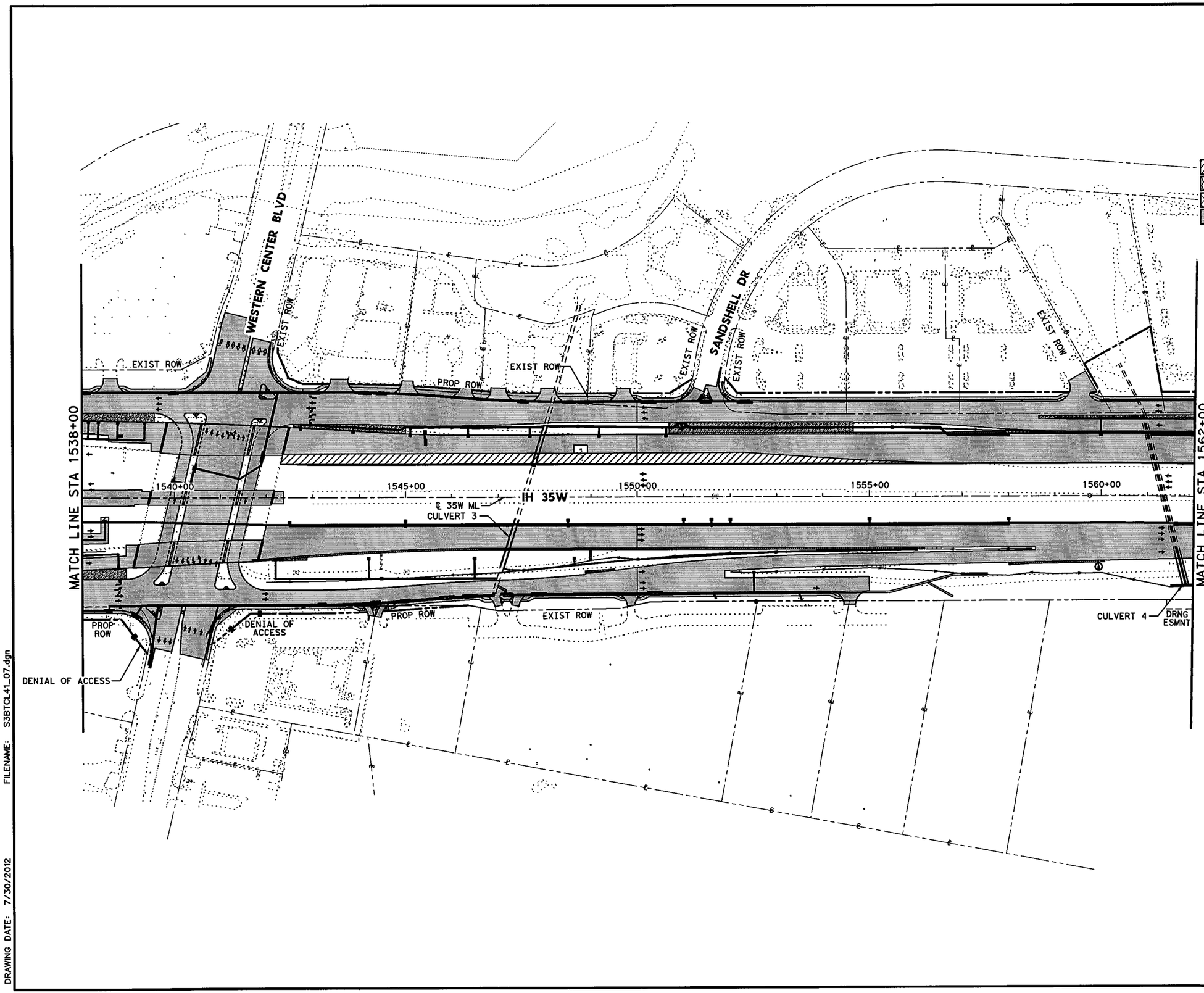
**STA 1514+00 TO STA 1538+00**

SCALE: 1" = 200' SHEET 6 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 516 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCL41_06.dgn

DRAWING DATE: 7/30/2012




STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## CONSTRUCTION SEQUENCE LAYOUT

## PHASE 4 STEP 1

## STA 1538+00 TO STA 1562+00

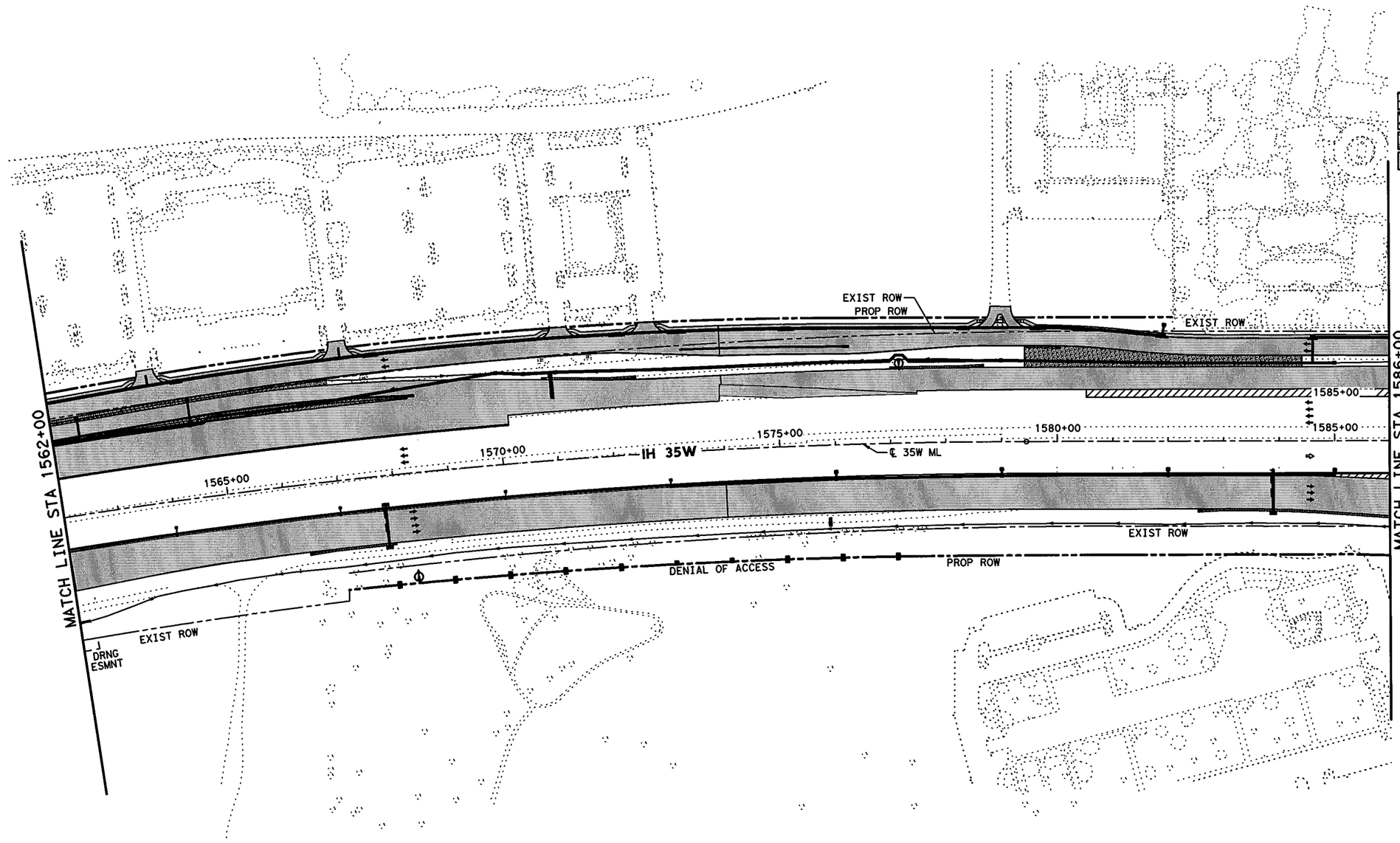
SCALE: 1" = 200'

SHEET 7 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 517 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL41_07.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 4 STEP 1

## STA 1562+00 TO STA 1586+00

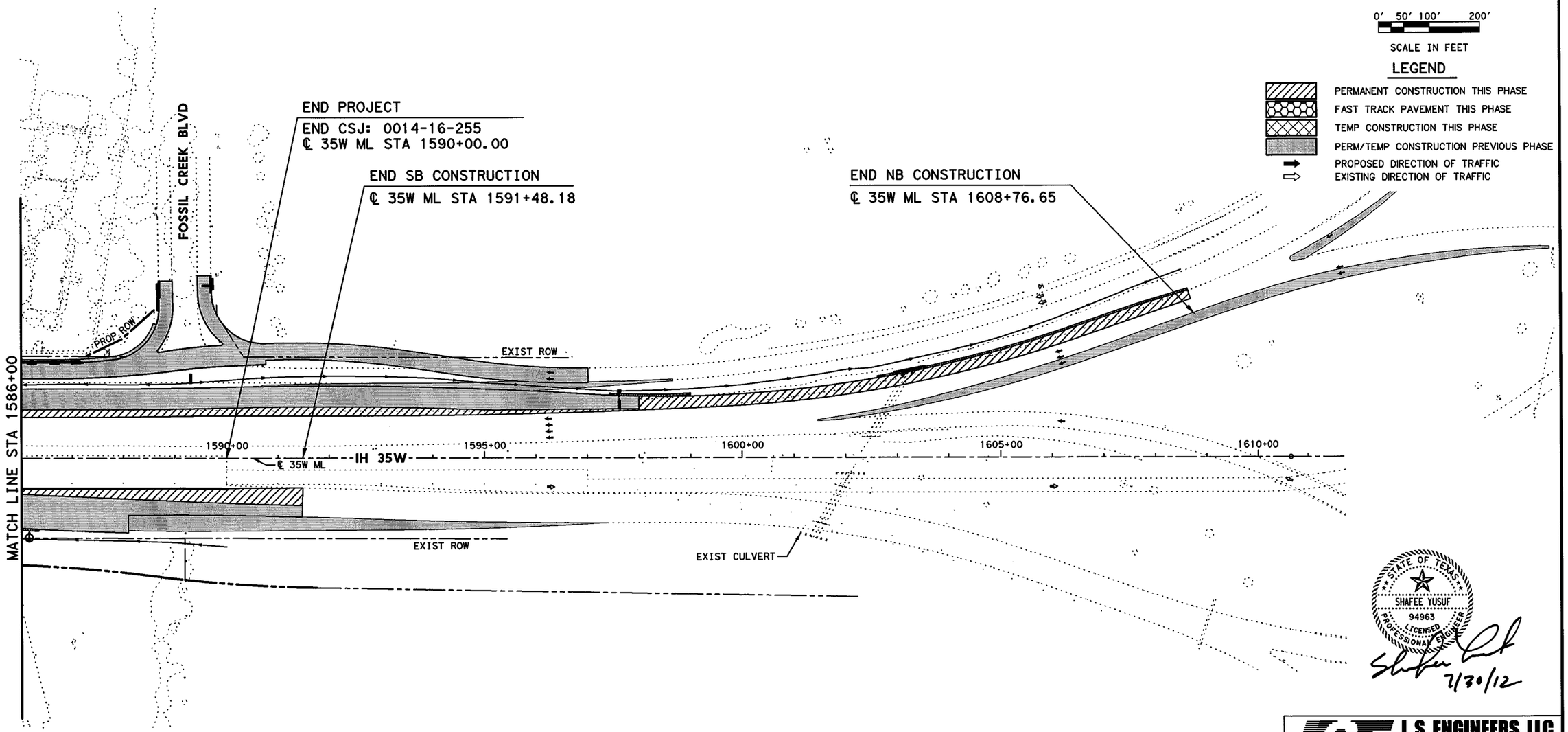
SCALE: 1" = 200'

SHEET 8 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 518 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL41_08.dgn

DRAWING DATE: 7/30/2012




STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## CONSTRUCTION SEQUENCE LAYOUT
## PHASE 4 STEP 1
## STA 1586+00 TO END PROJECT

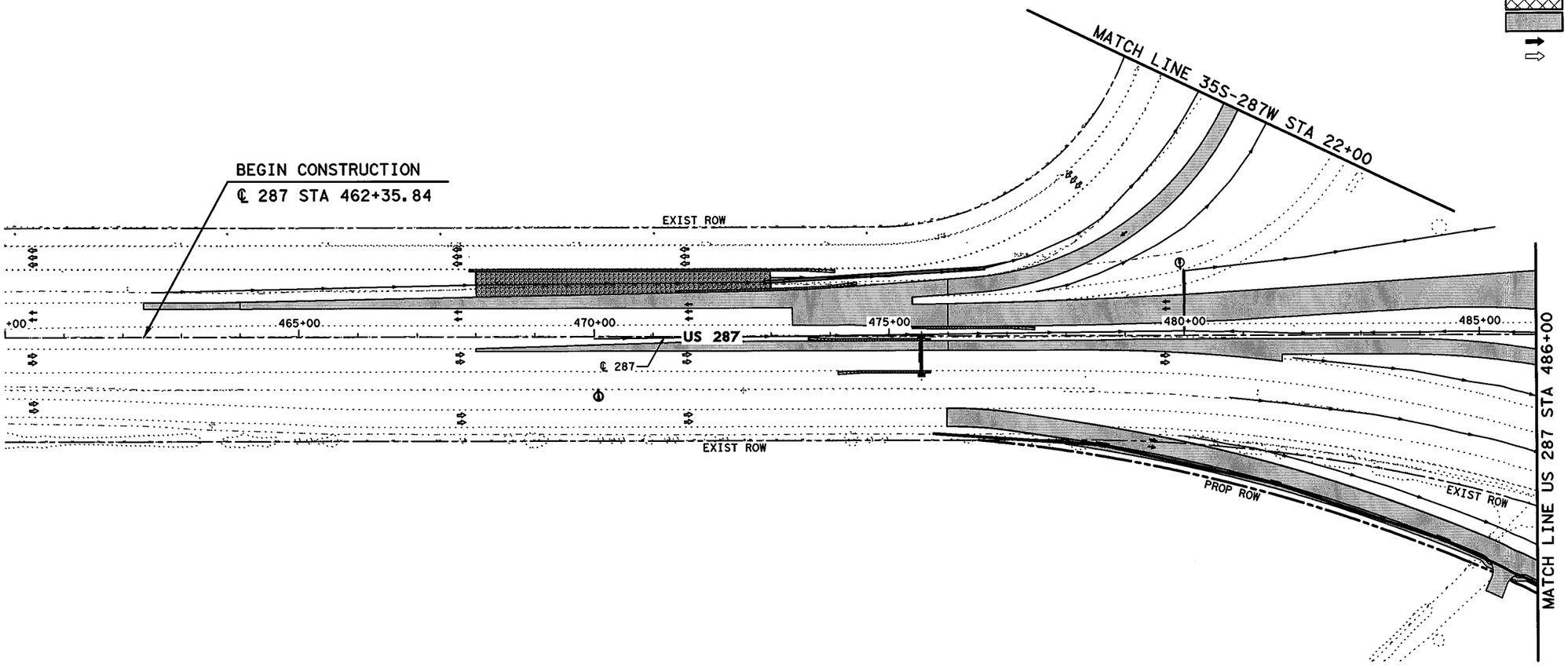
SCALE: 1" = 200'

SHEET 9 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 519 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL41_09.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 4 STEP 1

## STA 460+00 TO STA 486+00

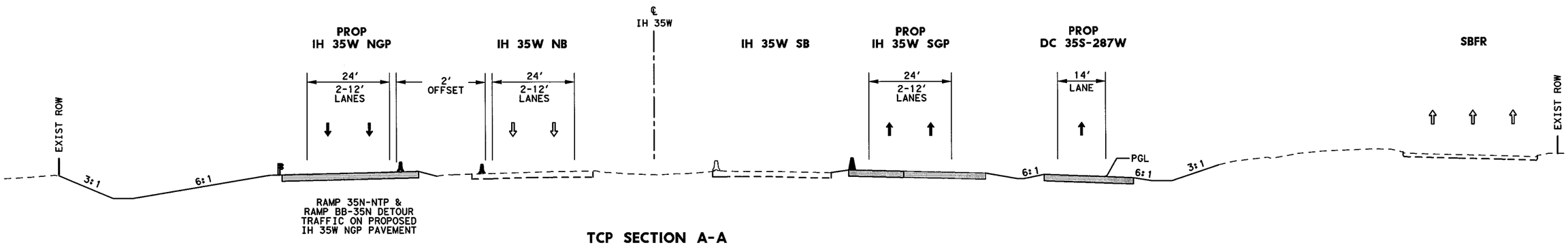
SCALE: 1" = 200'

SHEET 10 OF 10

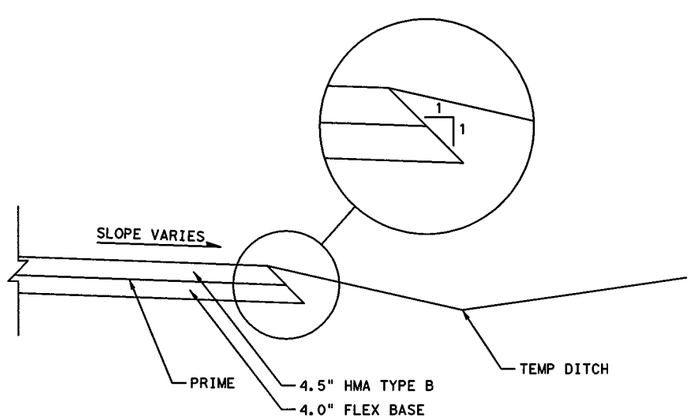
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 520 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL41_10.dgn

DRAWING DATE: 7/30/2012




**TCP SECTION A-A**
**STA 1431+00**




**DETOUR & TEMP WIDENING**
**TYPICAL SECTION**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

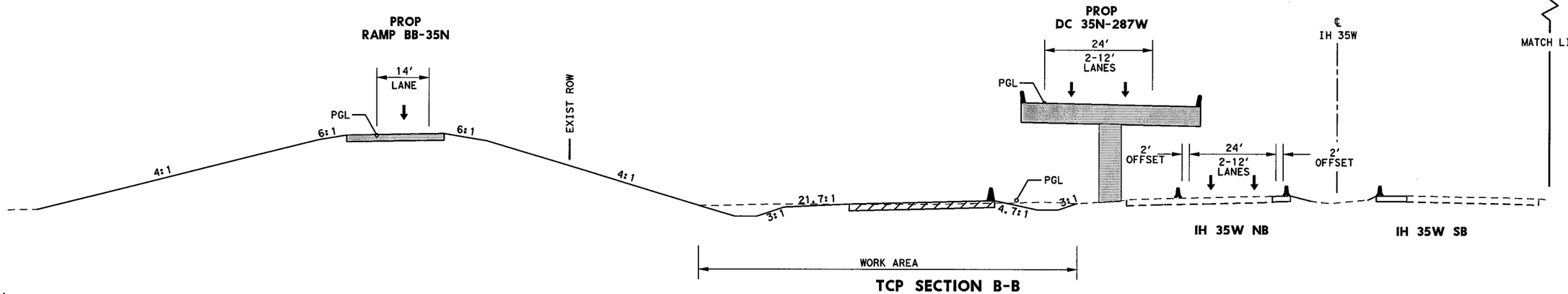
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 4 STEP 1**

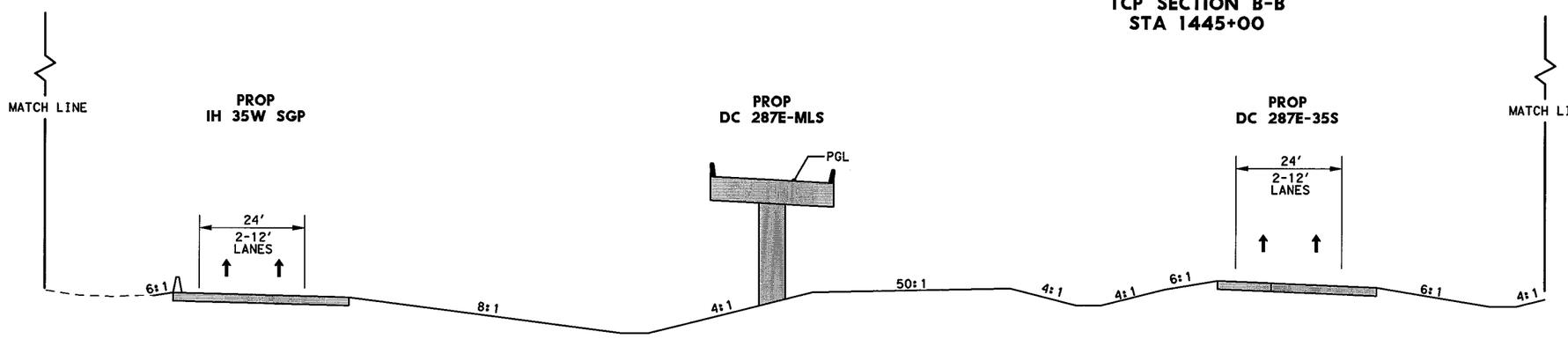
SCALE: NTS — SHEET 1 OF 4

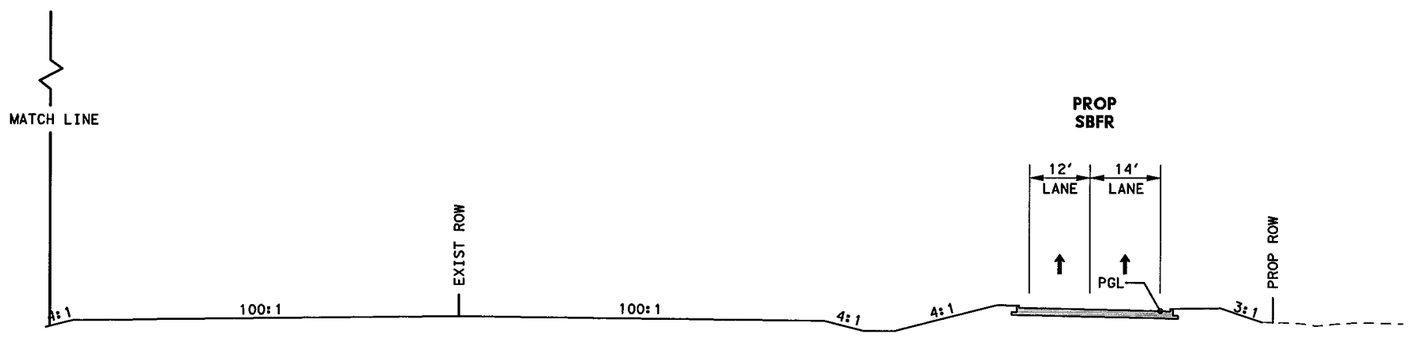
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 521 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT41_01.dgn
DRAWING DATE: 7/30/2012




TCP SECTION B-B
STA 1445+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 4 STEP 1

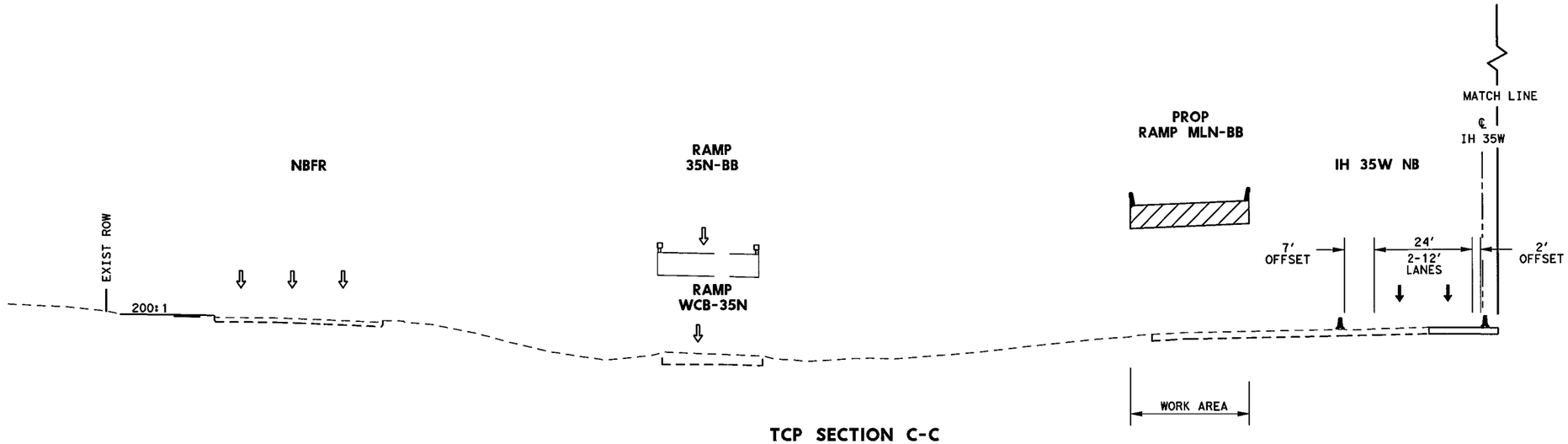
SCALE: NTS

SHEET 2 OF 4

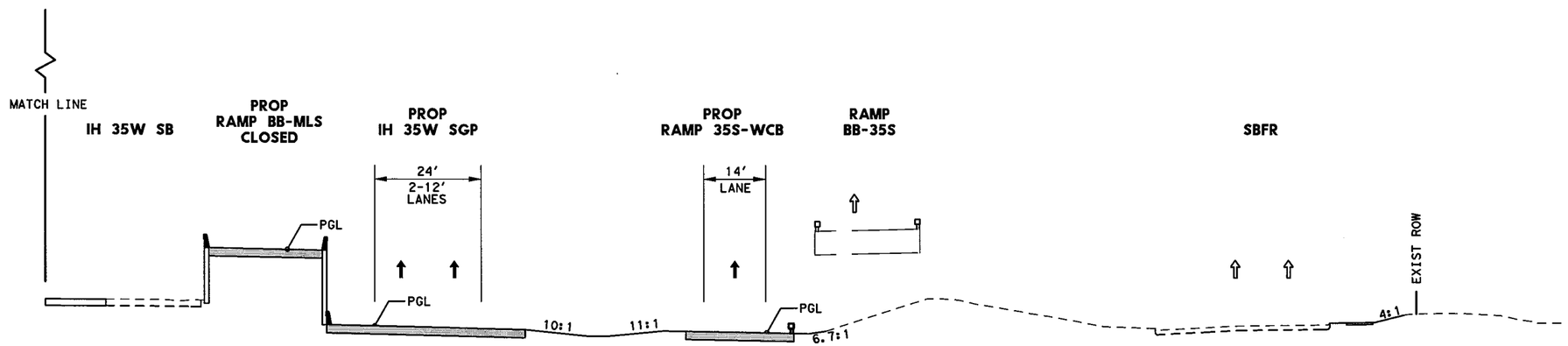
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 522 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCT41_02.dgn

DRAWING DATE: 7/30/2012




TCP SECTION C-C
STA 1525+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

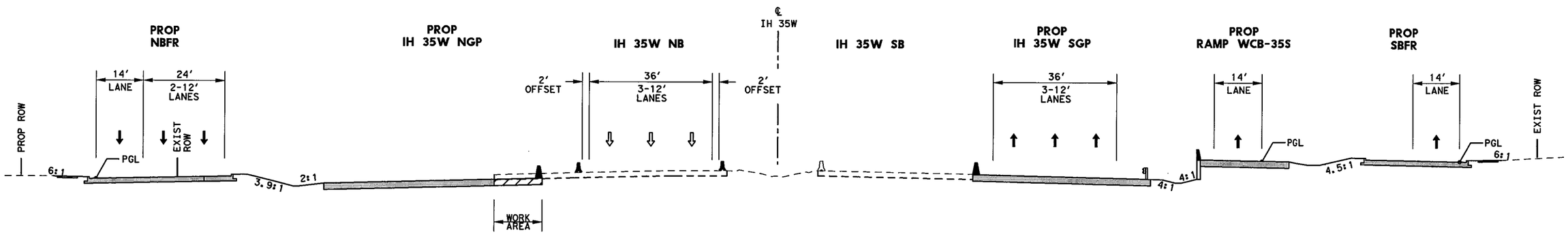
IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 4 STEP 1

SCALE: NTS
SHEET 3 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 523 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT41_03.dgn
DRAWING DATE: 7/30/2012




## TCP SECTION D-D
## STA 1554+00

### LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

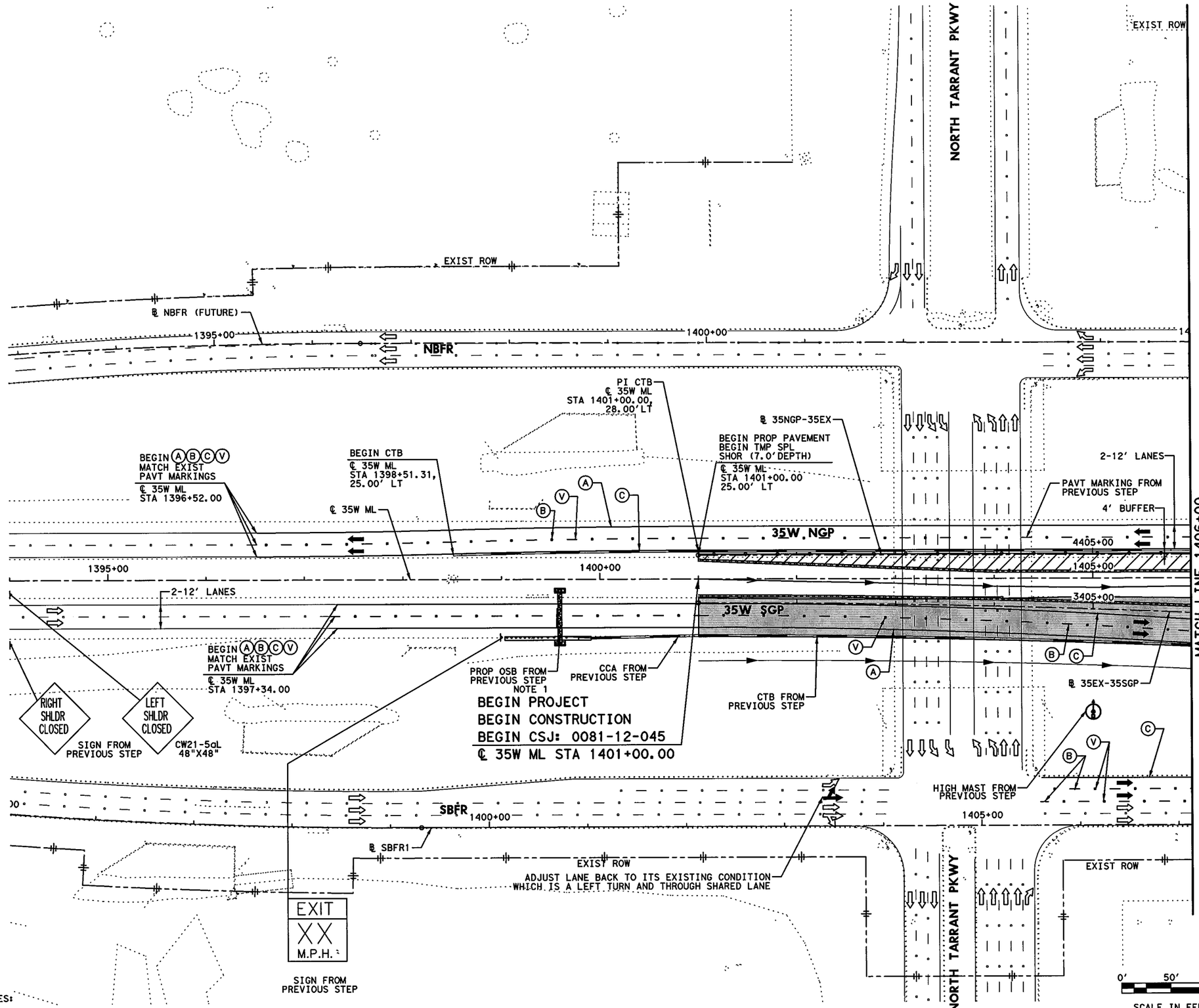
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 4 STEP 1**

SCALE: NTS — SHEET 4 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 524 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCT41_04.dgn




NOTES:

1. PROPOSED GUIDE SIGN AVAILABLE TO DIRECT TRAFFIC TO US 287 NORTH. SEE SIGN LAYOUT SHEETS.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

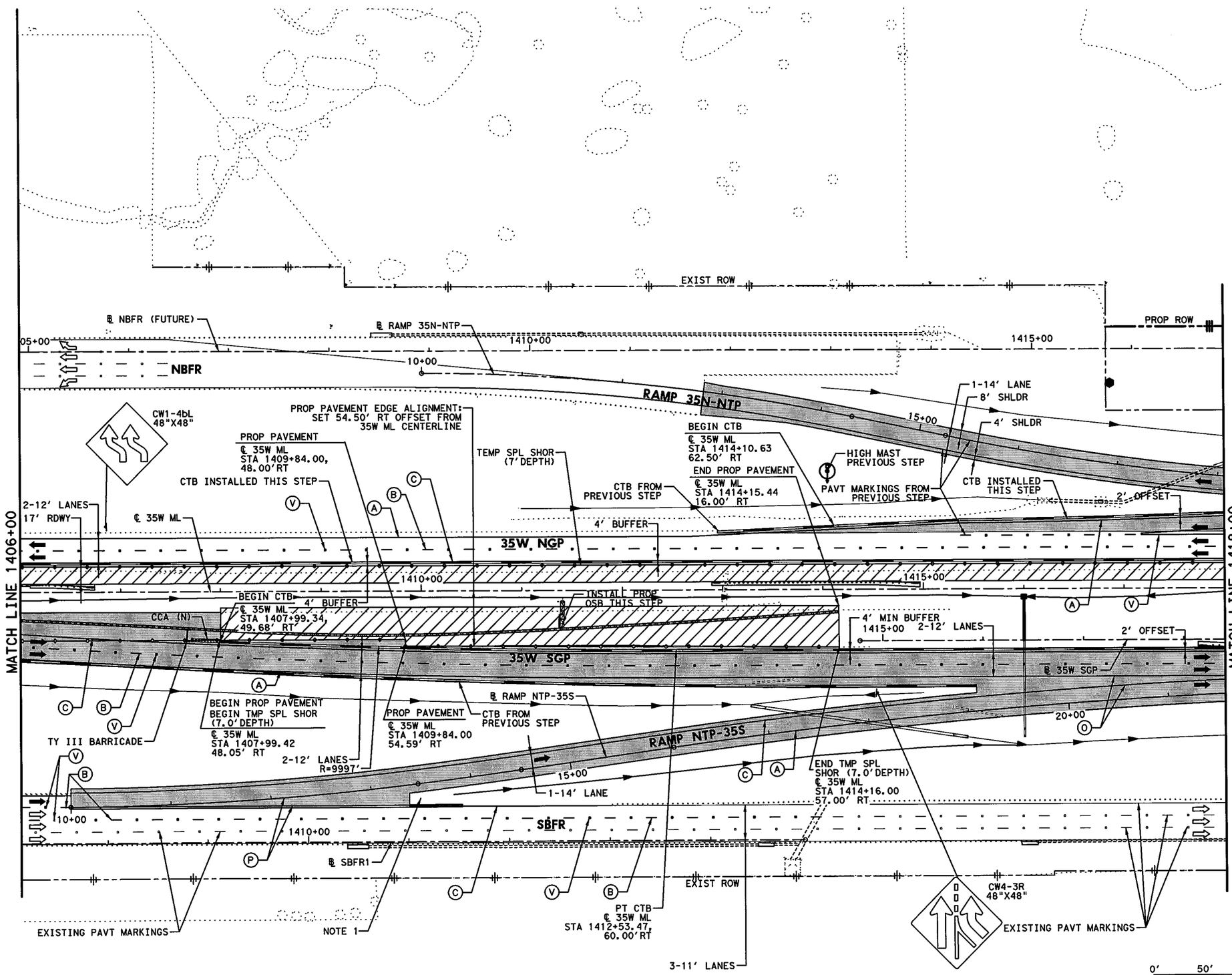
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100'
SHEET 1 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 525 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP41_01.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 4 STEP 1

SCALE 1" = 100'

SHEET 2 OF 24

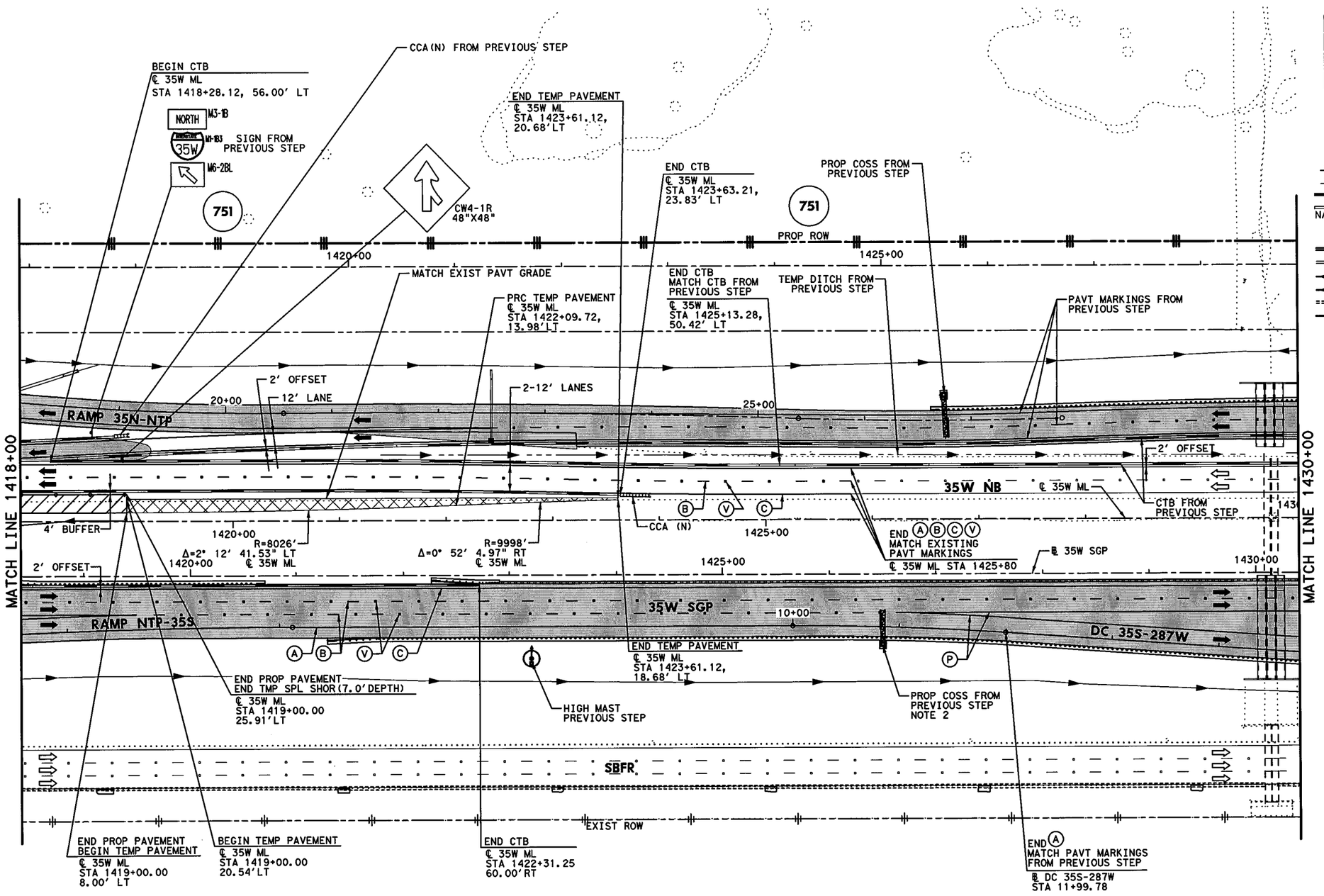
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 526 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

NOTES:

1. PROPOSED TRAILBLAZER SIGN TO DIRECT TRAFFIC. SEE SIGN LAYOUT SHEETS.

FILENAME: S3BTCP41_02.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.
2. PROPOSED GUIDE SIGN ON COSS AVAILABLE TO DIRECT TRAFFIC TO US 287 NORTH. SEE SIGN LAYOUT SHEETS.

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

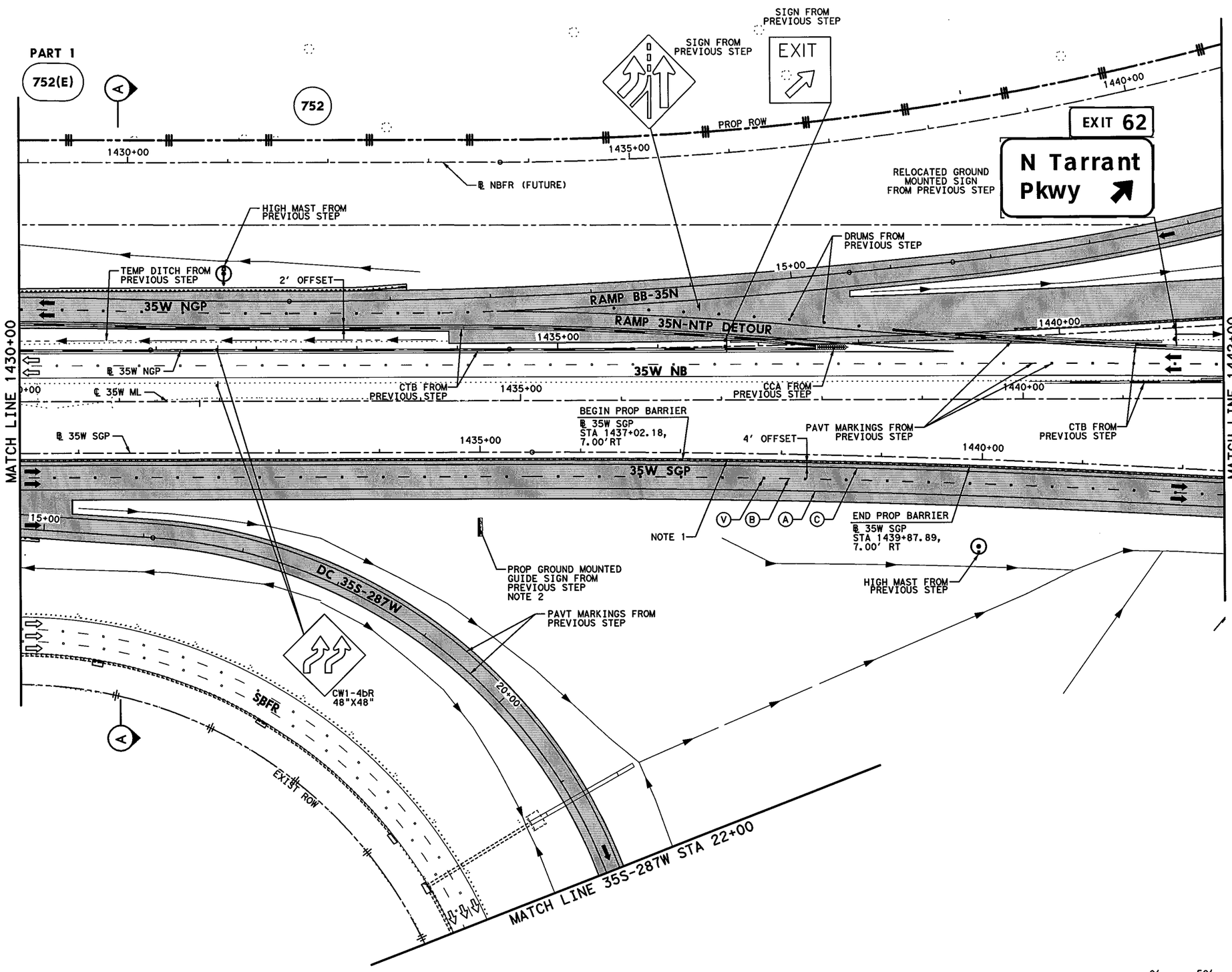
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100' SHEET 3 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 527 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP41_03.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:
1. PROP BARRIER NOT PLACED IN PHASE 1 STEP 1 IN ORDER TO ALLOW FOR TEMP RAMP NTP-35S CONNECTION IN PHASE 3 STEP 2B.
2. PROPOSED GROUND MOUNTED GUIDE SIGN AVAILABLE TO DIRECT TRAFFIC TO 35S-BB RAMP. SEE SIGN LAYOUT SHEETS.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

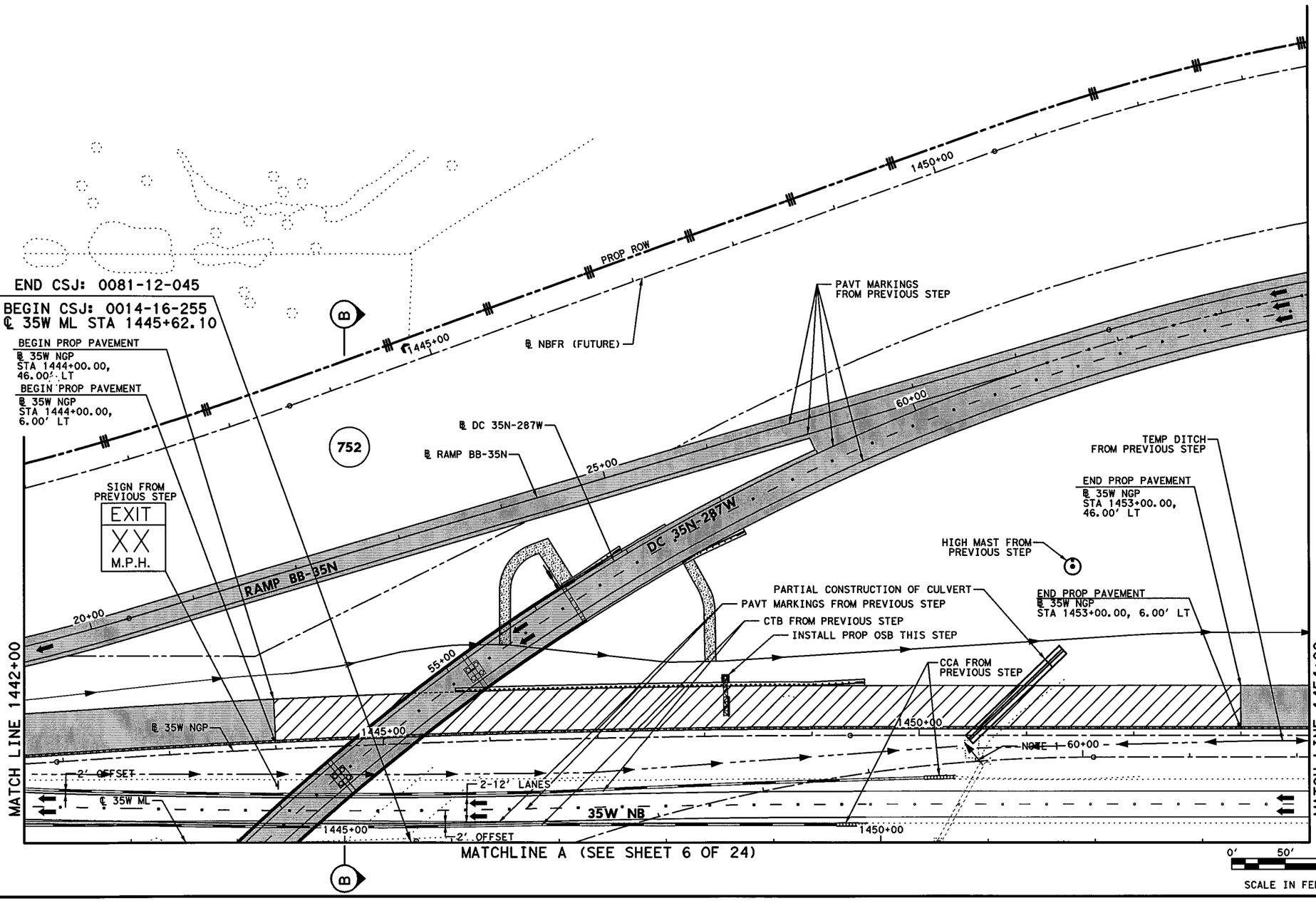
SCALE 1" = 100' SHEET 4 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 528 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP41_04.dgn
DRAWING DATE: 7/30/2012

NOTES:

1. DIRECT STREAM AT OUTFALL OF EXISTING CULVERT TO ENTRANCE OF PARTIALLY CONSTRUCTED CULVERT. REMOVE EXIST HEADWALL AND PART OF CULVERT AS NEEDED TO MAINTAIN DRAINAGE.




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING
- (A) WK ZN PAV MRK REMOV (W) 4" (SLD)
- (B) WK ZN PAV MRK REMOV (W) 4" (BRK)
- (C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
- (G) WK ZN PAV MRK REMOV (W) 8" (SLD)
- (H) WK ZN PAV MRK REMOV (W) 12" (SLD)
- (I) WK ZN PAV MRK REMOV (W) 24" (SLD)
- (M) WK ZN PAV MRK REMOV (W)(ARROW)
- (N) WK ZN PAV MRK REMOV (W)(WORD)
- (O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
- (P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
- (S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
- (T) WK ZN PAV MRK REMOV (W) 4" (DOT)
- (U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
- (V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. Mo
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

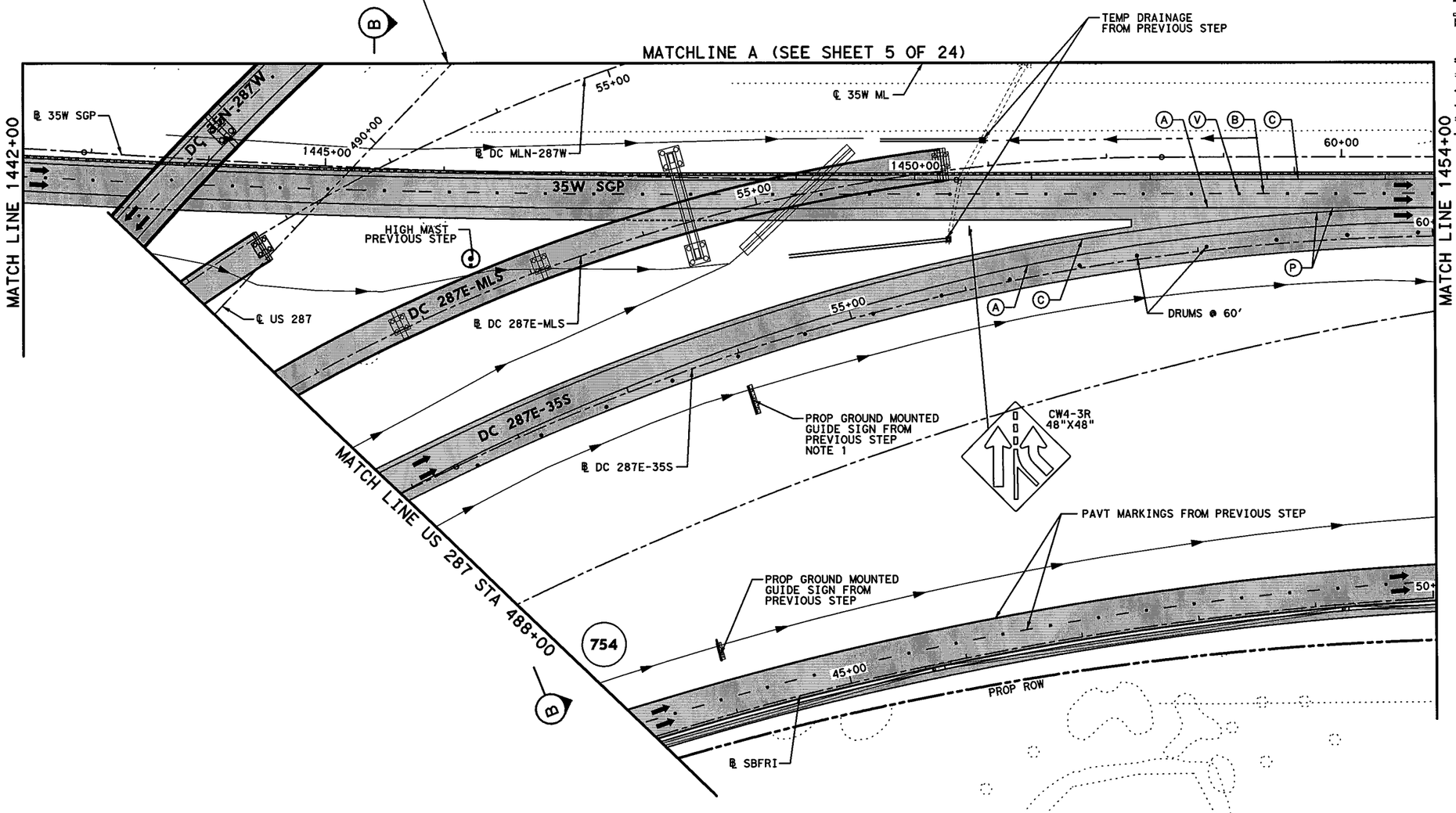
SCALE 1" = 100' SHEET 5 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 529 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP41_05.dgn
DRAWING DATE: 7/30/2012

END CSJ: 0081-12-045

BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. PROPOSED GROUND MOUNTED GUIDE SIGN AVAILABLE TO DIRECT TRAFFIC TO 35S-BB RAMP. SEE SIGN LAYOUT SHEETS.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

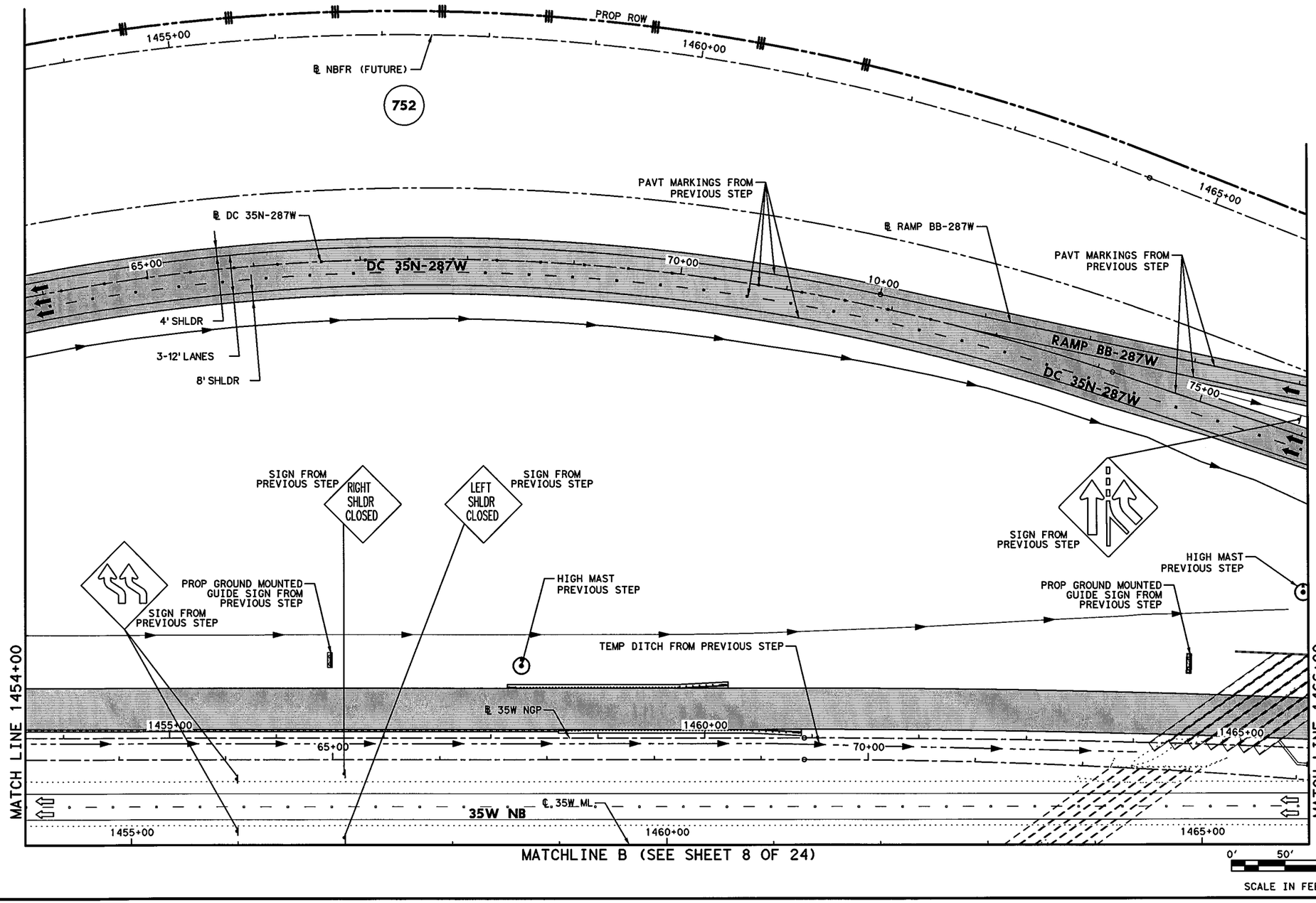
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100' SHEET 6 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 530 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP41_06.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

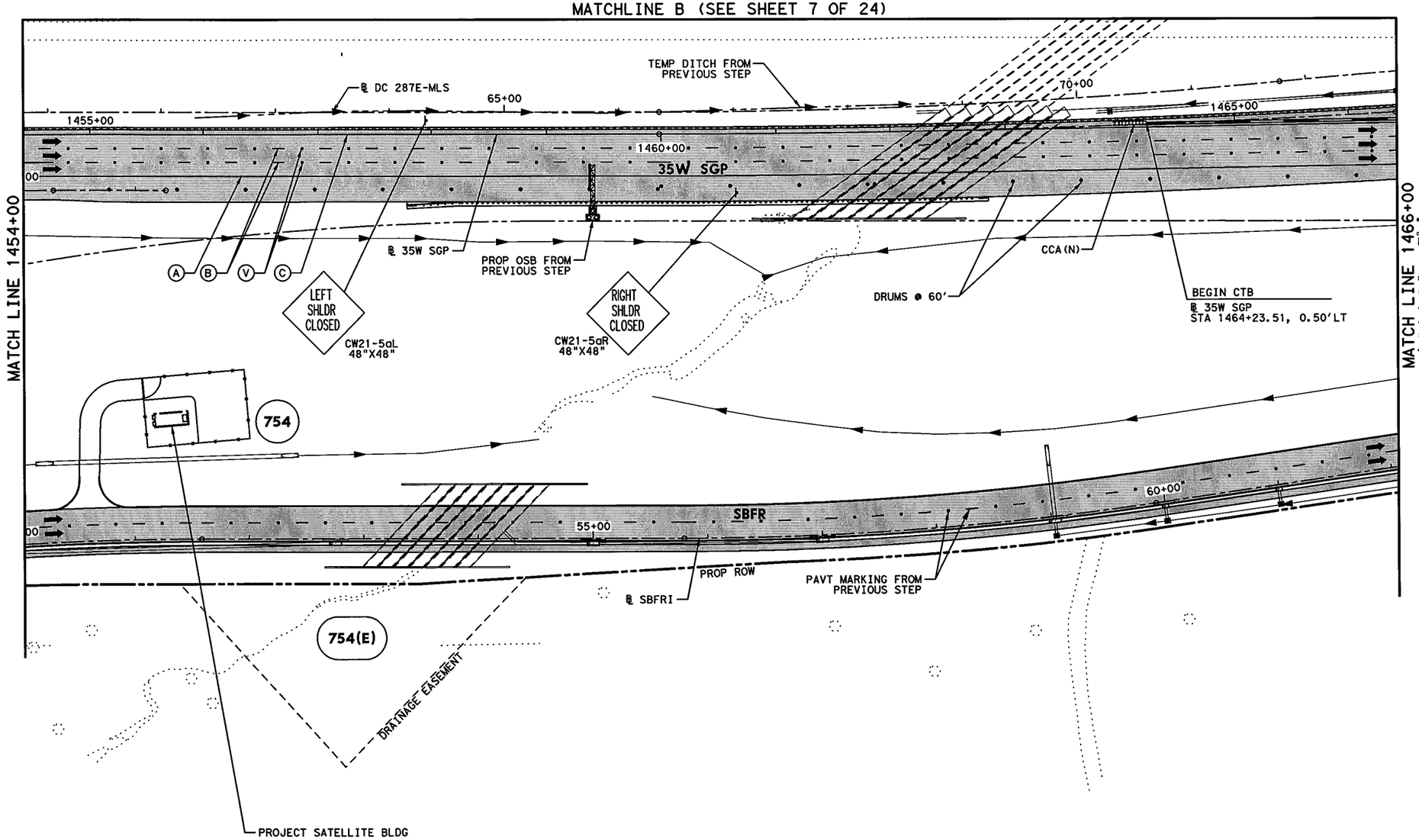
**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100' SHEET 7 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 531 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP41_07.dgn
DRAWING DATE: 7/30/2012

MATCHLINE B (SEE SHEET 7 OF 24)




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

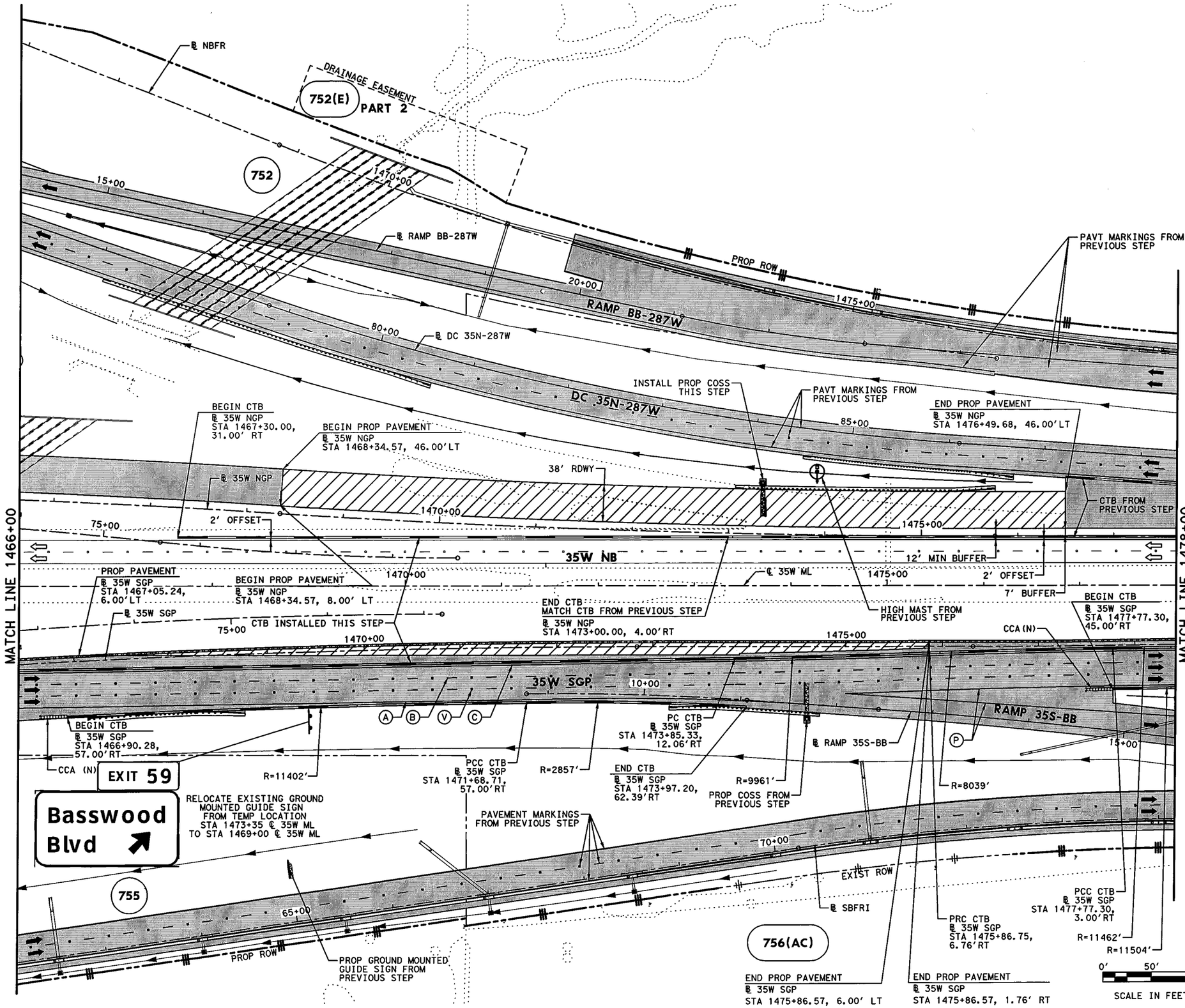
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100' SHEET 8 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 532 |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP41_08.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M.N. Mozaffar
8/29/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

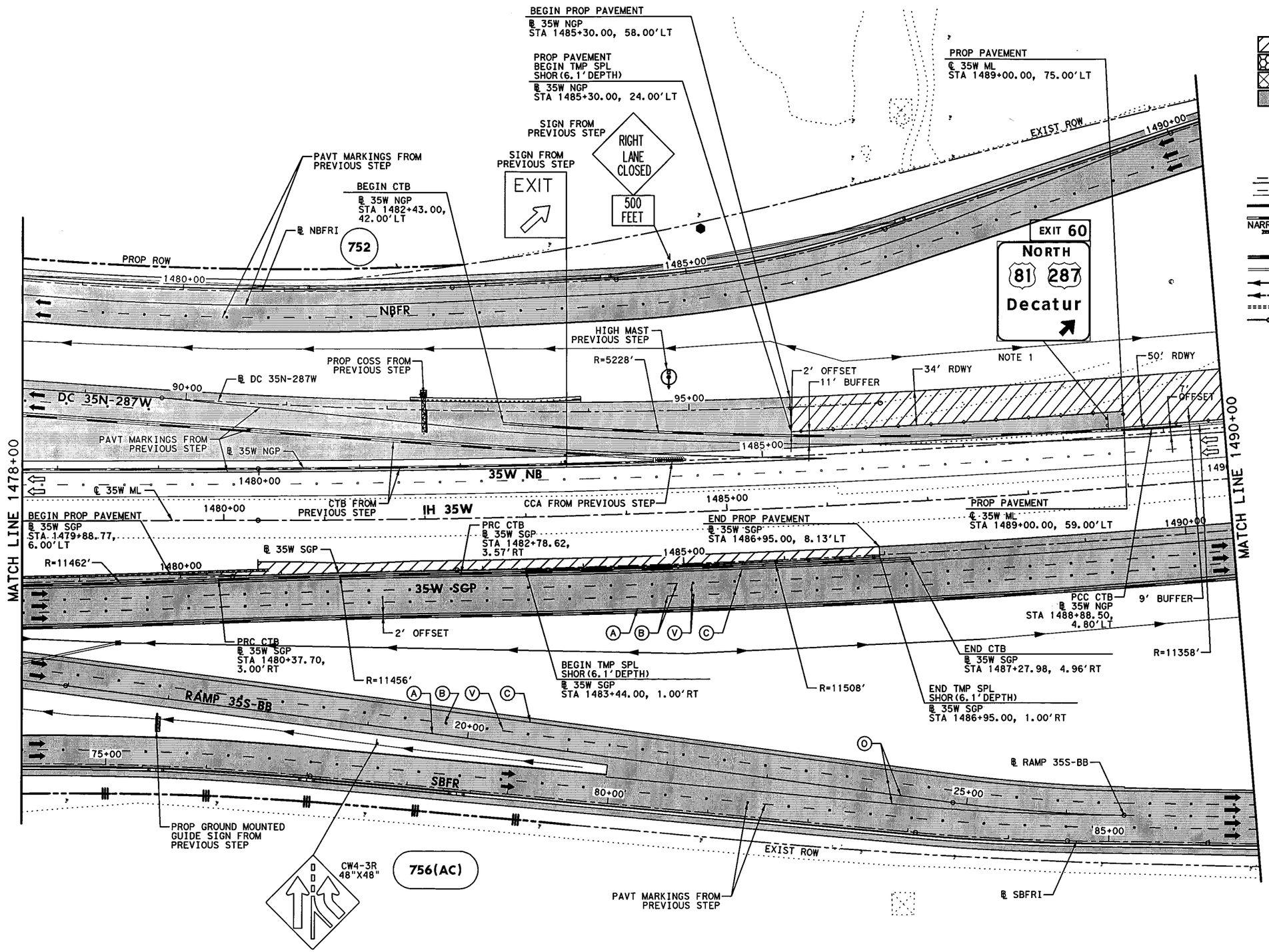
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 4 STEP 1

SCALE 1" = 100' — SHEET 9 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 533 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP41_09.dgn
DRAWING DATE: 8/27/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M.N. M
8/29/2012

NOTES:
1. MOVE GUIDE SIGN PANEL AND LARGE GOUND MOUNTED SIGN FROM STA 1489+10 ℄ 35W ML PRIOR TO STA 1488+8 ℄ 35W ML TO ALLOW FOR PAVEMNT CONSTRUCTION.

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

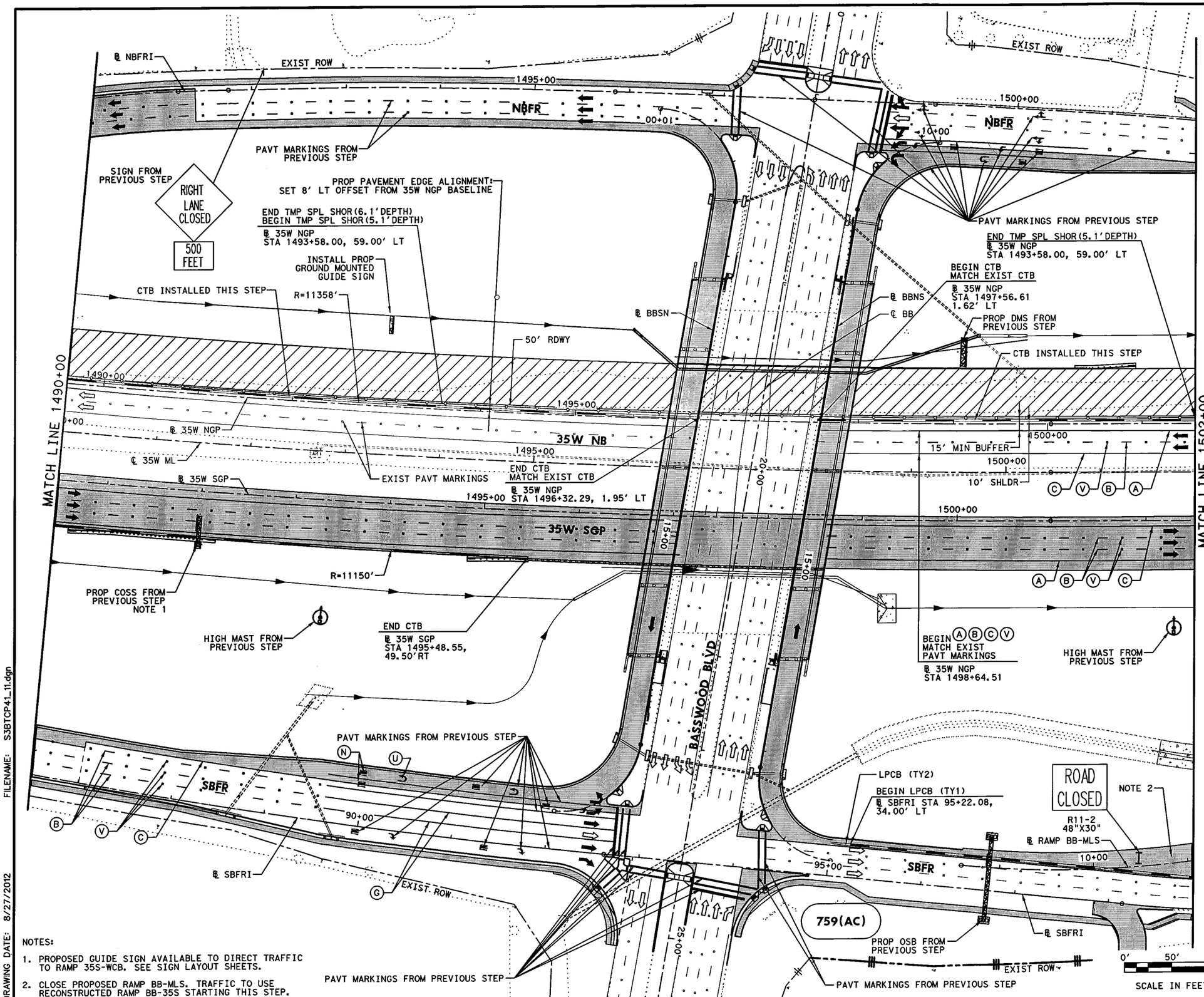
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100' SHEET 10 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 534 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP41_10.dgn
DRAWING DATE: 8/27/2012




NOTES:

1. PROPOSED GUIDE SIGN AVAILABLE TO DIRECT TRAFFIC TO RAMP 35S-WCB. SEE SIGN LAYOUT SHEETS.
2. CLOSE PROPOSED RAMP BB-MLS. TRAFFIC TO USE RECONSTRUCTED RAMP BB-35S STARTING THIS STEP.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M.N.M
8/29/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 4 STEP 1

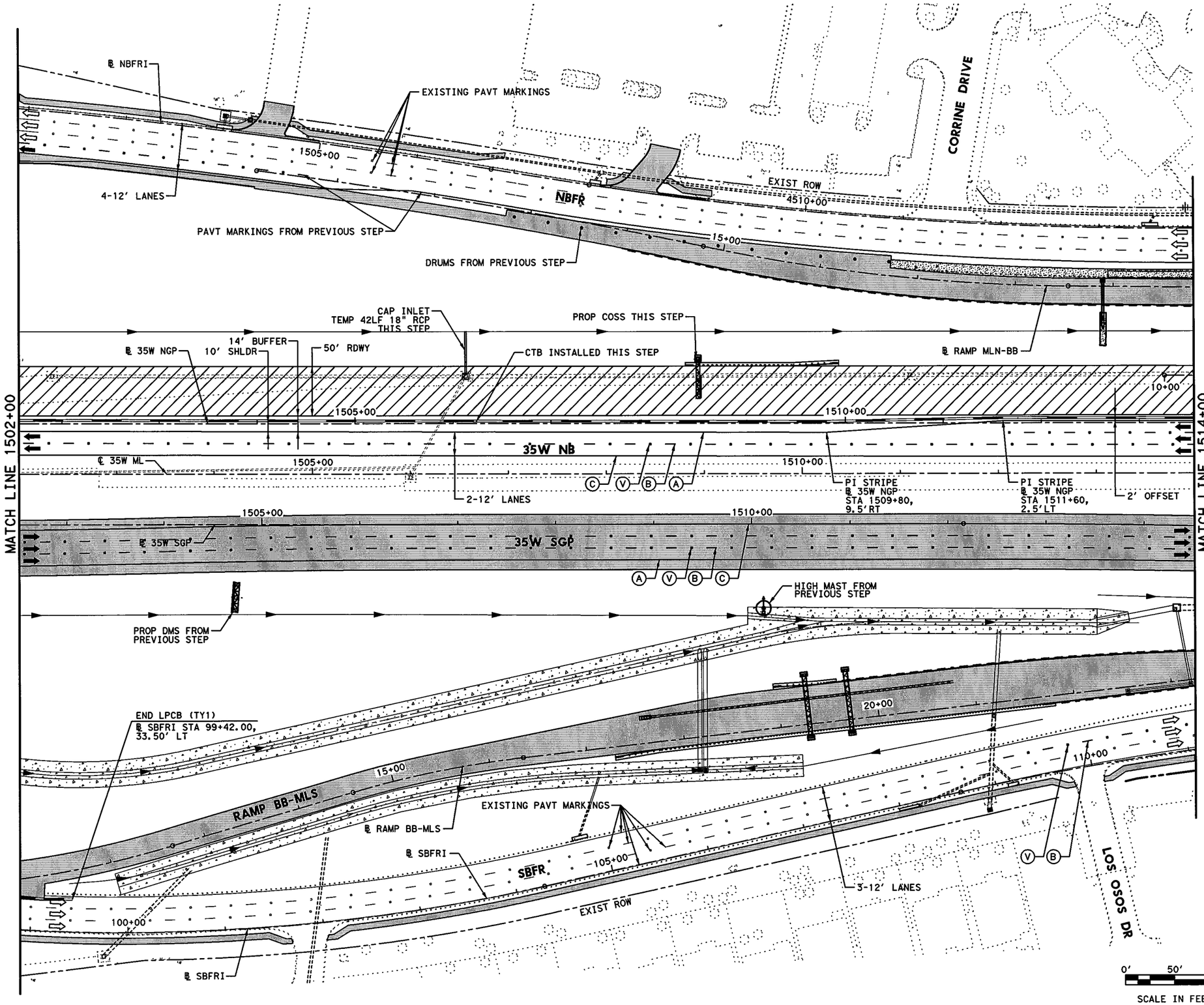
SCALE 1" = 100'

SHEET 11 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 535 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP41_11.dgn

DRAWING DATE: 8/27/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

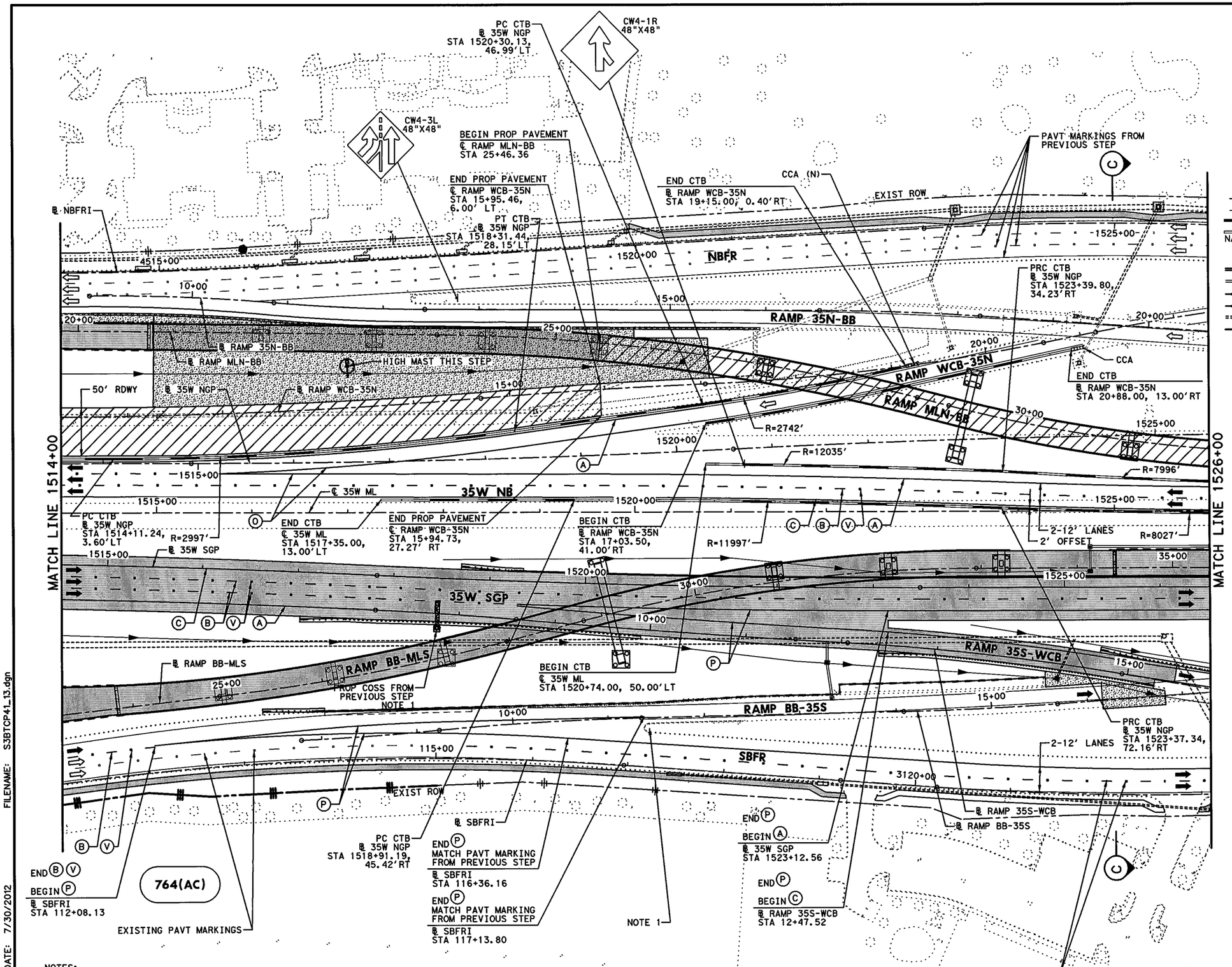
**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100'

SHEET 12 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 536 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP41_12.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE — LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. PROPOSED GUIDE SIGN AT COSS AND TRAILBLAZER SIGNS AT SBFR/RAMP BB-35S GORE ARE AVAILABLE TO DIRECT TRAFFIC. SEE SIGN LAYOUT SHEETS.
2. DETOUR RAMP WCB-35N TRAFFIC DURING BEAM HANGING FOR RAMP MLN-BB BRIDGE. SEE OFF-SITE DETOUR SHEET FOR MORE DETAILS.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 4 STEP 1

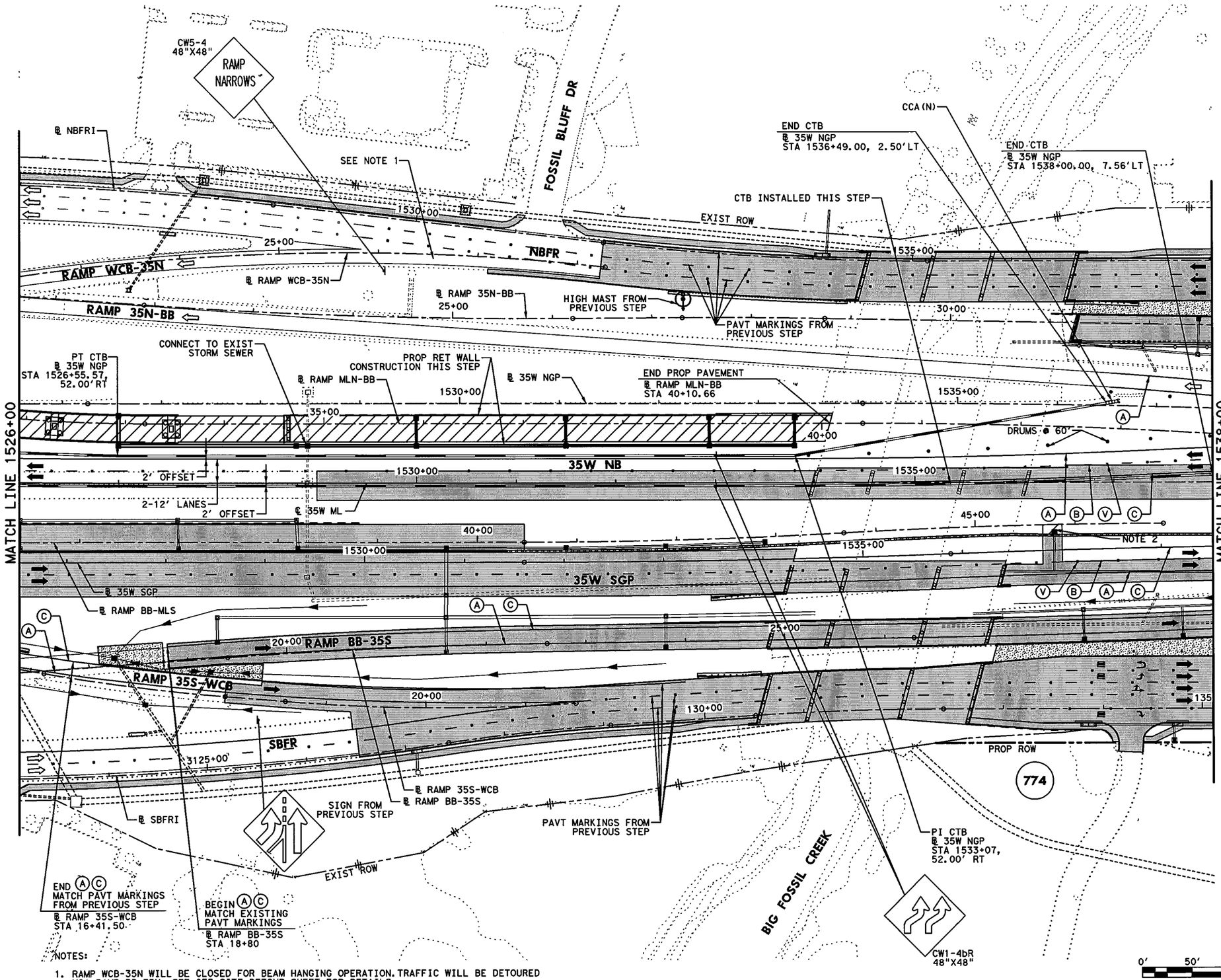
SCALE 1" = 100'

SHEET 13 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 537 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP41_13.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
LICENSED PROFESSIONAL ENGINEER

M. M. M.
7/30/2012

NOTES:

1. RAMP WCB-35N WILL BE CLOSED FOR BEAM HANGING OPERATION. TRAFFIC WILL BE DETOURED VIA RAMP BB-35N. SEE OFF-SITE DETOUR SHEET FOR DETAILS.
2. FOR SAWCUT DETAILS, SEE ROADWAY DETAIL SHEETS.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 4 STEP 1

SCALE 1" = 100'

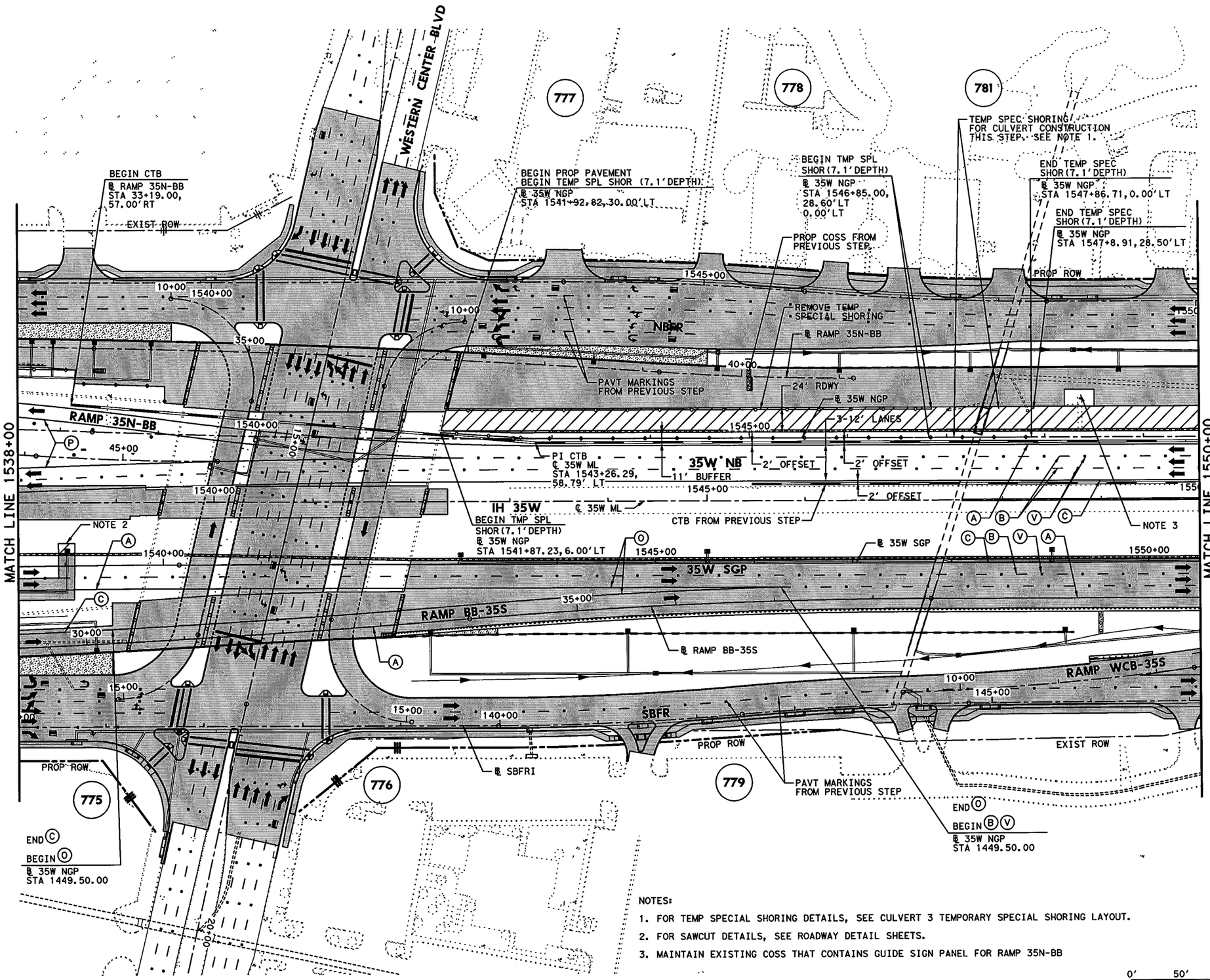
SHEET 14 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | HIGHWAY NO. |
|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY |
| CHECK PJF | TEXAS | FTW | TARRANT |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. |

SHEET NO. 538

FILENAME: S3BTCP41_14.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

NOTES:

1. FOR TEMP SPECIAL SHORING DETAILS, SEE CULVERT 3 TEMPORARY SPECIAL SHORING LAYOUT.
2. FOR SAWCUT DETAILS, SEE ROADWAY DETAIL SHEETS.
3. MAINTAIN EXISTING COSS THAT CONTAINS GUIDE SIGN PANEL FOR RAMP 35N-BB

0' 50' 100'
SCALE IN FEET

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

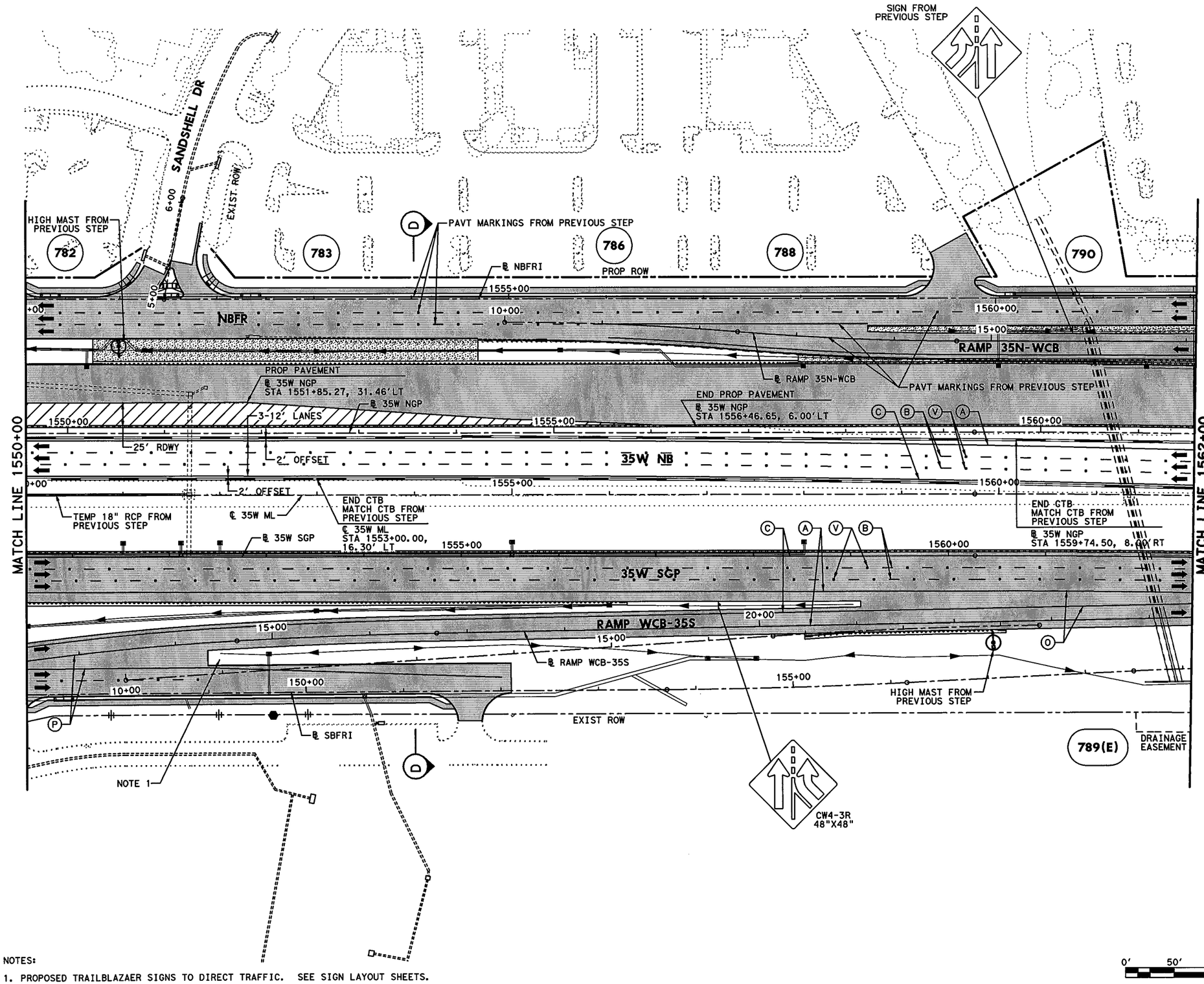
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100' SHEET 15 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 539 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP41_15.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

NOTES:

1. PROPOSED TRAILBLAZAER SIGNS TO DIRECT TRAFFIC. SEE SIGN LAYOUT SHEETS.

0' 50' 100'
SCALE IN FEET

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

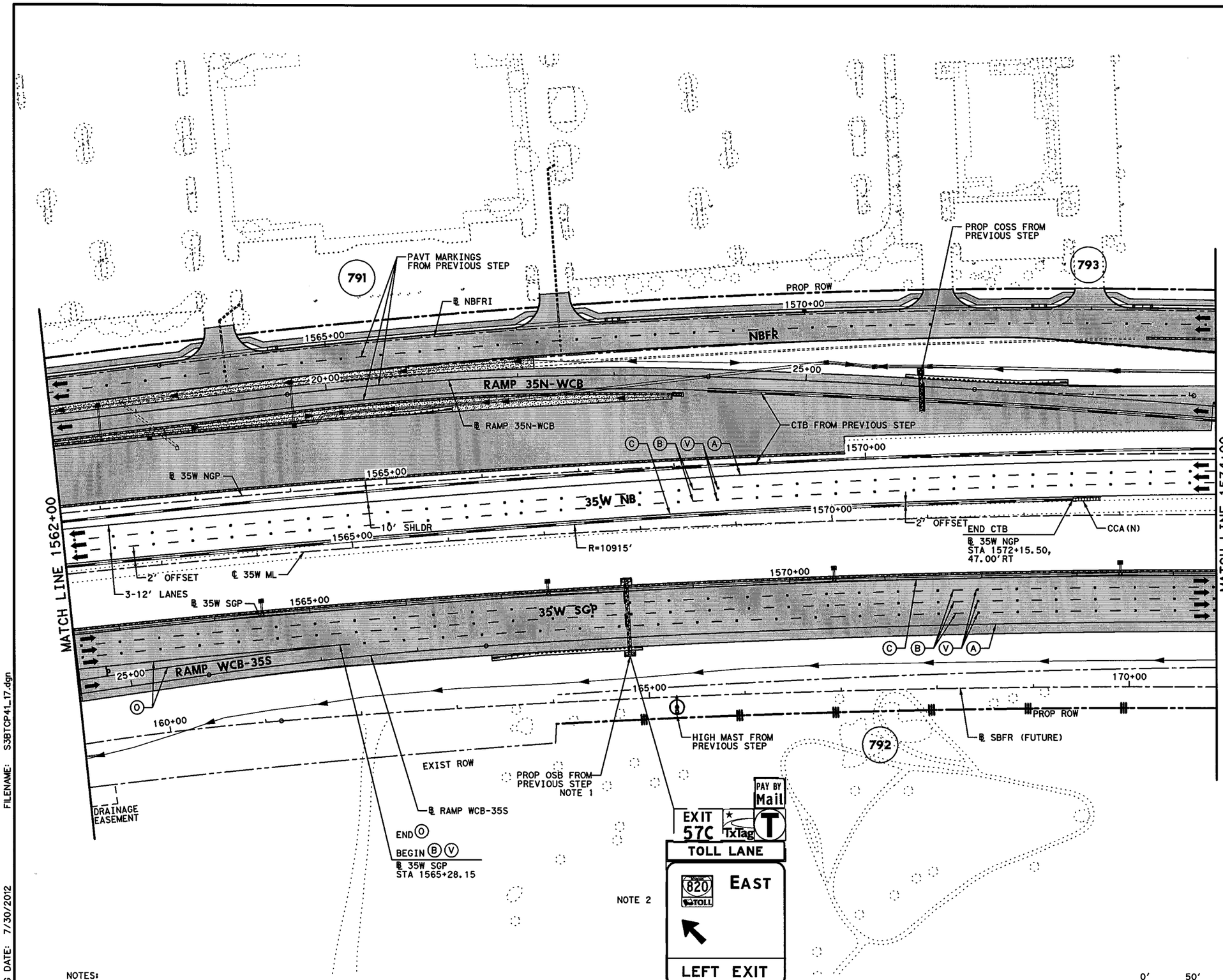
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100' SHEET 16 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 540 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP41_16.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. PROPOSED GUIDE SIGN PANELS ON OSB ARE AVAILABLE TO DIRECT TRAFFIC TO IH 820.
2. RELOCATE EXISTING TOLL GUIDE SIGN PANEL THAT WAS GROUND MOUNTED AT STA 1579+80 ℄ 35W ML IN PREVIOUS STEP TO PROPOSED OSB AT STA 1567+80 ℄ 35W ML.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

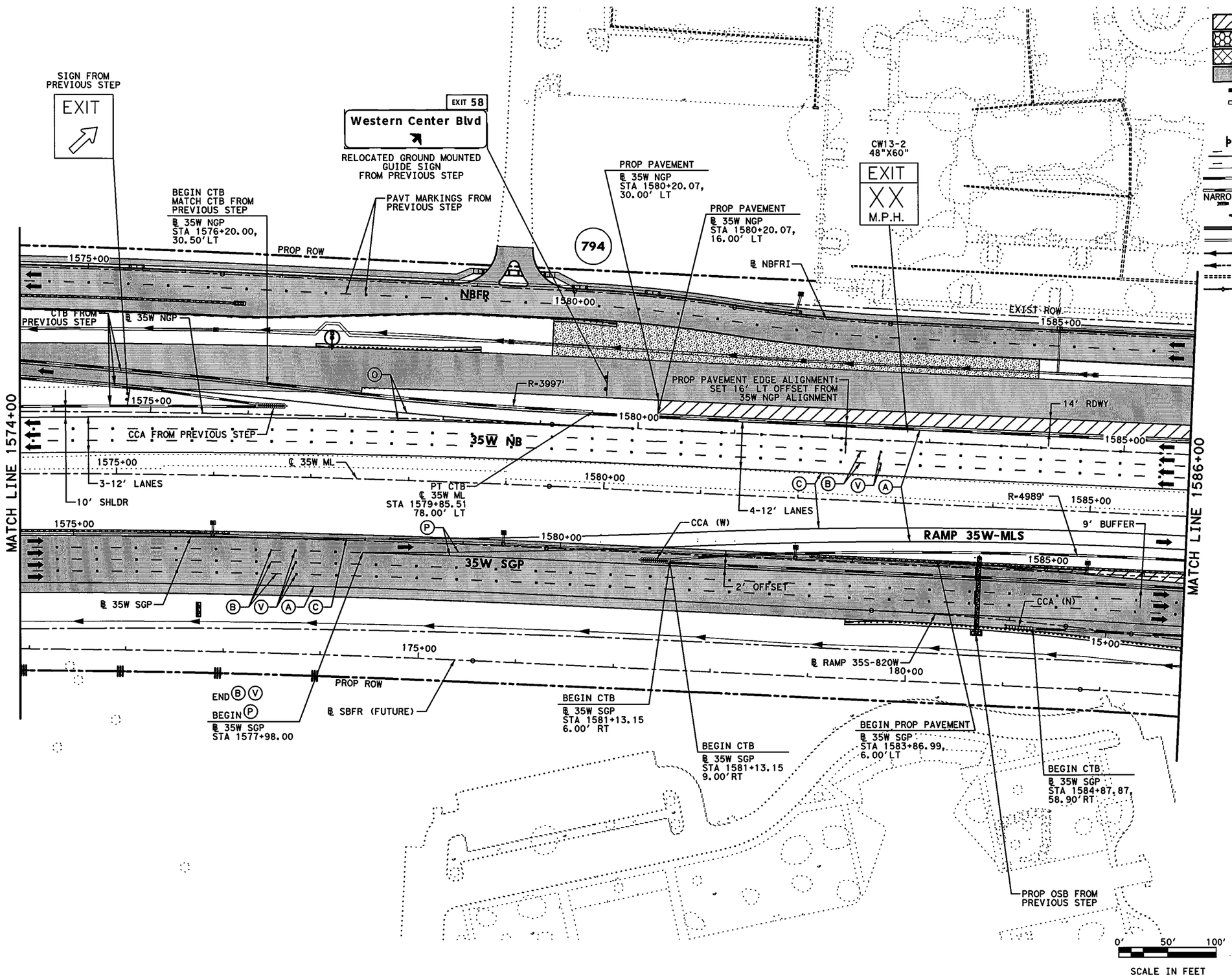
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100' SHEET 17 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 541 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP41_17.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

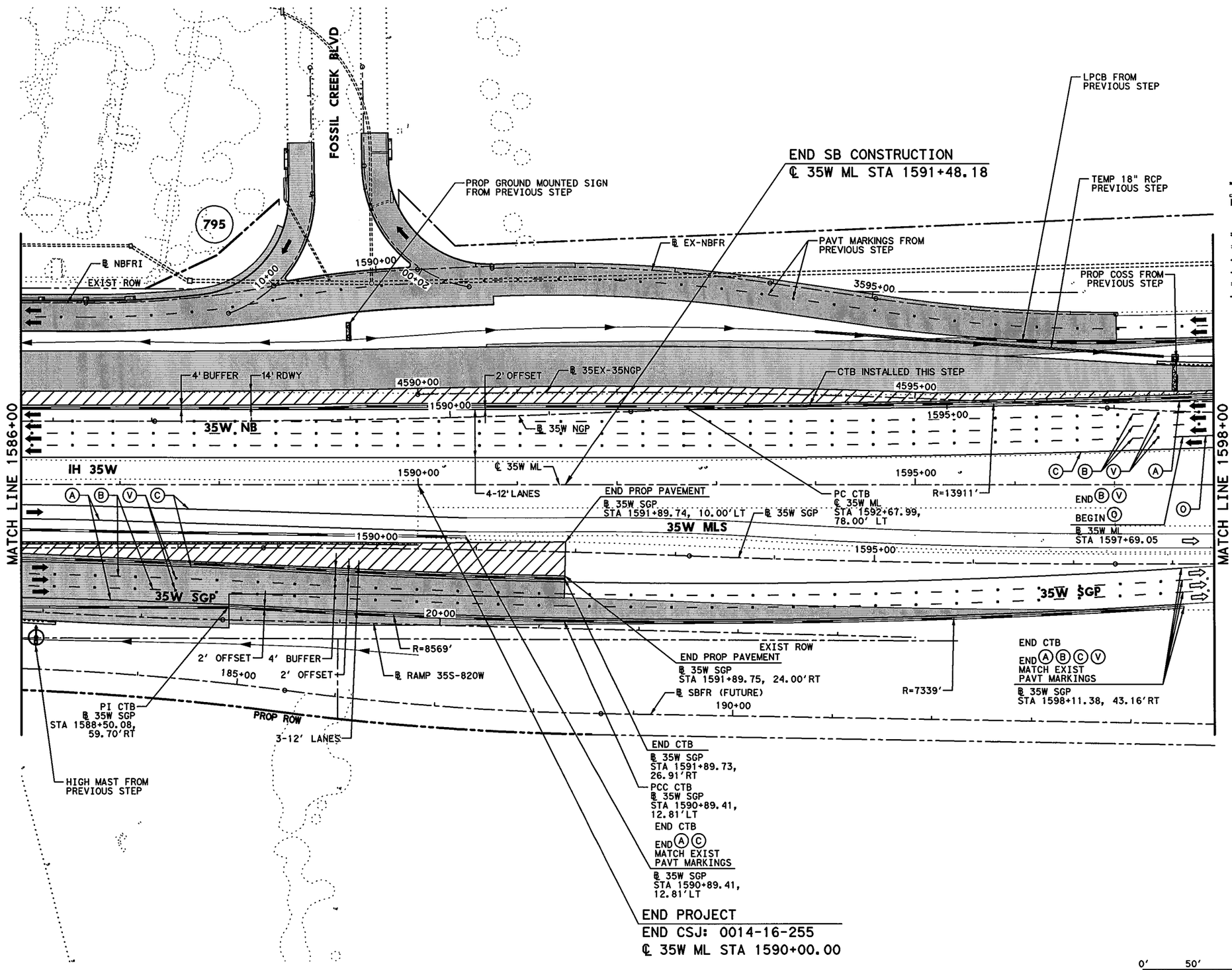
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100' SHEET 18 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 542 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP41_18.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

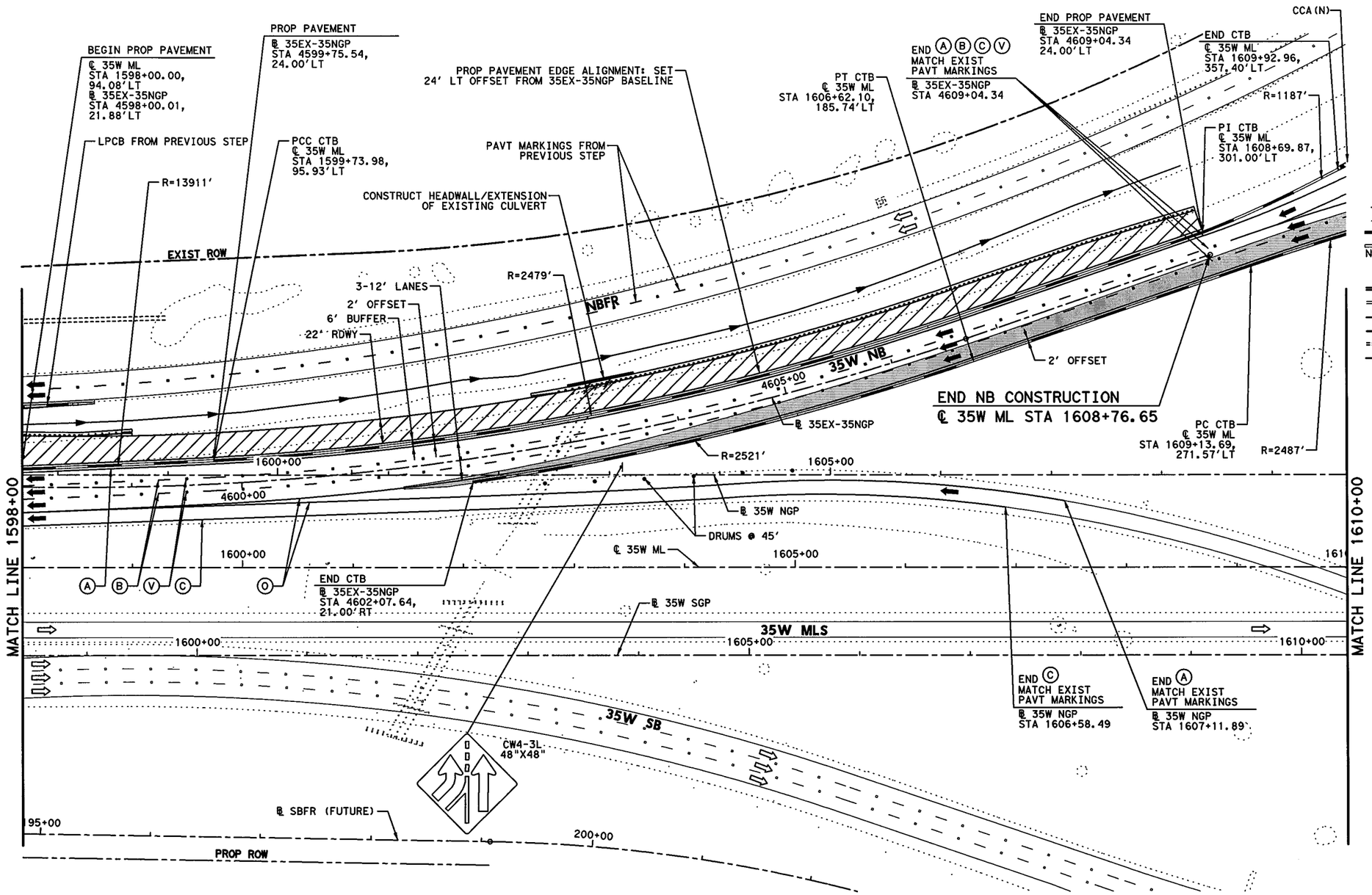
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100' SHEET 19 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | | | | 543 |
| CHECK | 0014 | 16 | 255, ETC. | |
| SY | | | | |

FILENAME: S3BTCP41_19.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:

1. TRAFFIC CONTROL PHASING AND SEQUENCE OF CONSTRUCTION WILL BE ADJUSTED FOR TIE-IN TO SEGEMENT 1 ADVANCED PACKAGE THROUGH FURTHER COORDINATION.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

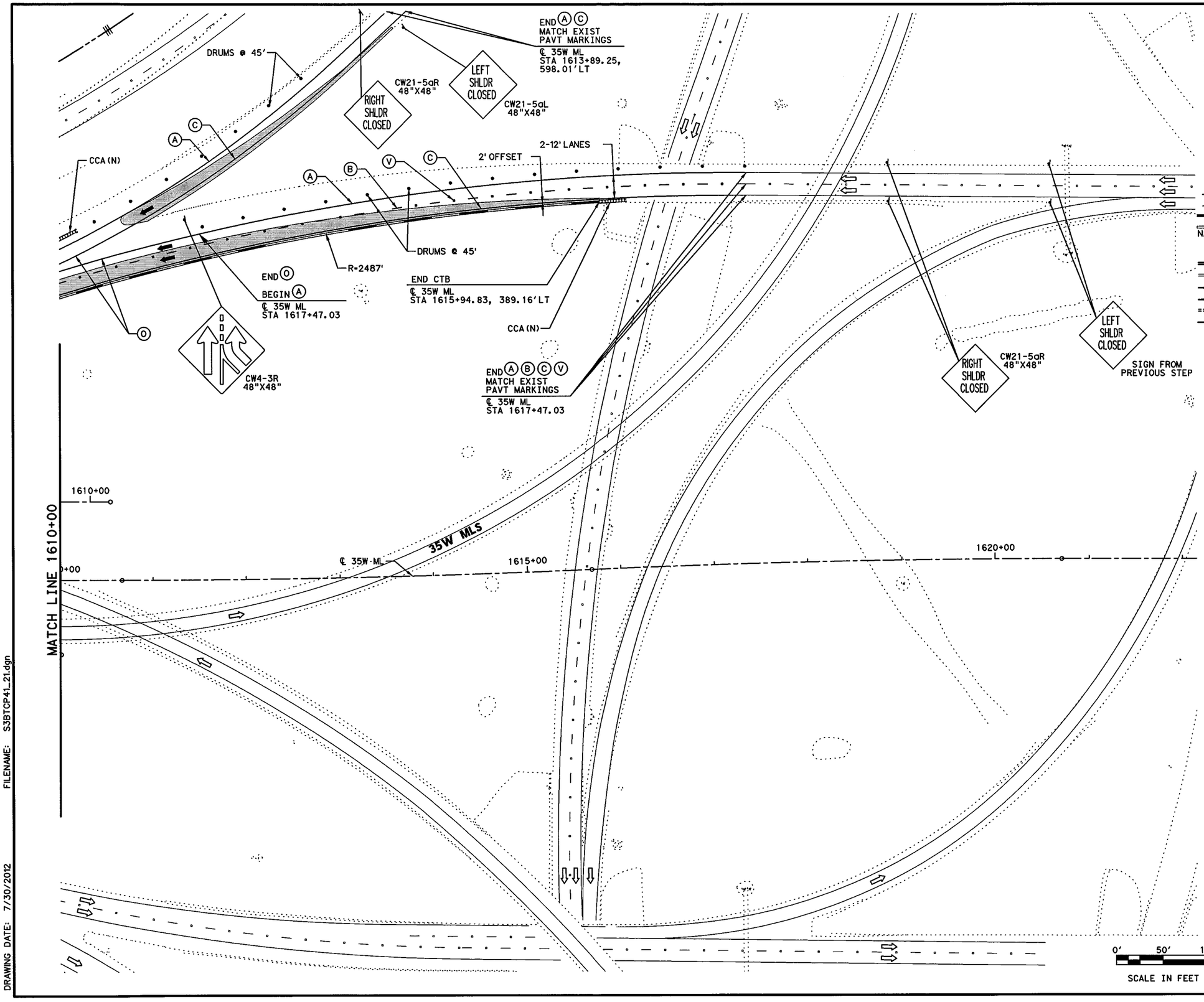
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100' SHEET 20 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 544 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP41_20.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 4 STEP 1

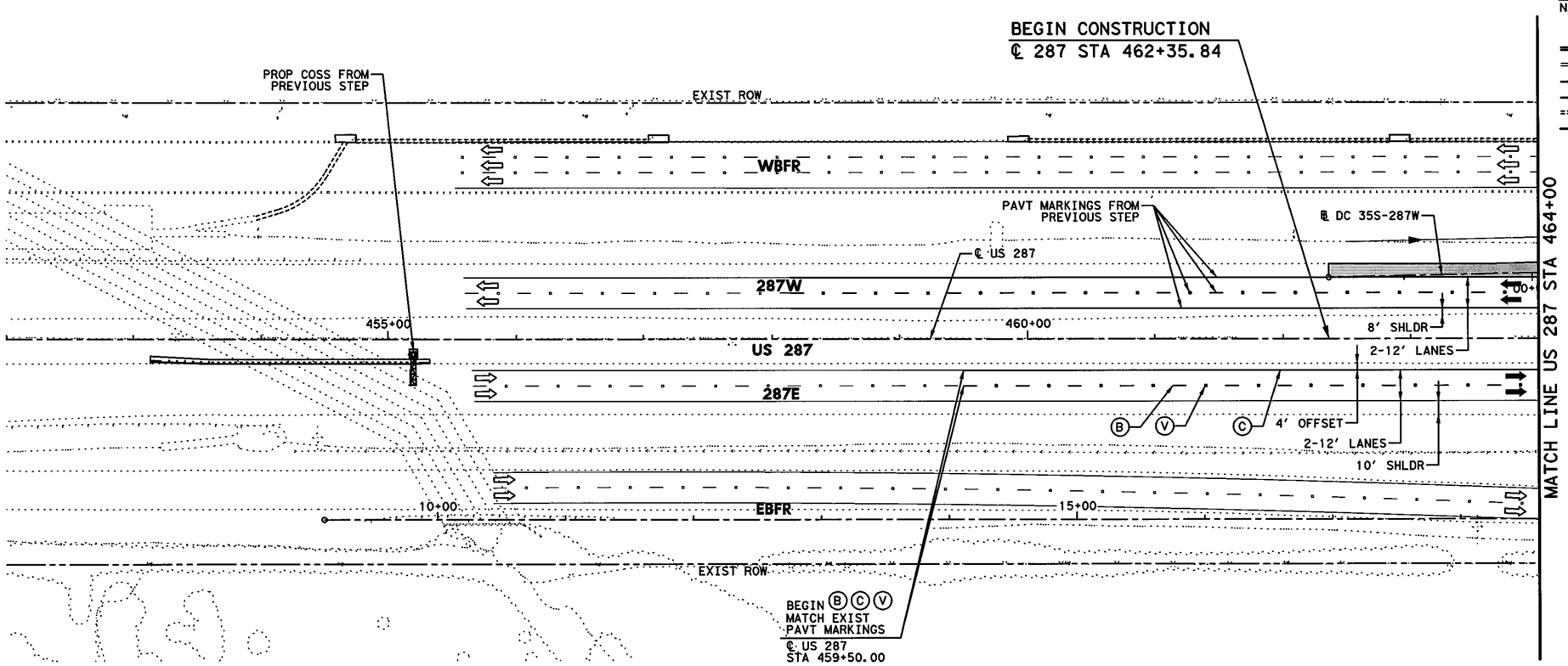
SCALE 1" = 100'

SHEET 21 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | | | | 545 |
| CHECK | 0014 | 16 | 255, ETC. | |
| SY | | | | |

FILENAME: S3BTCP41_21.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

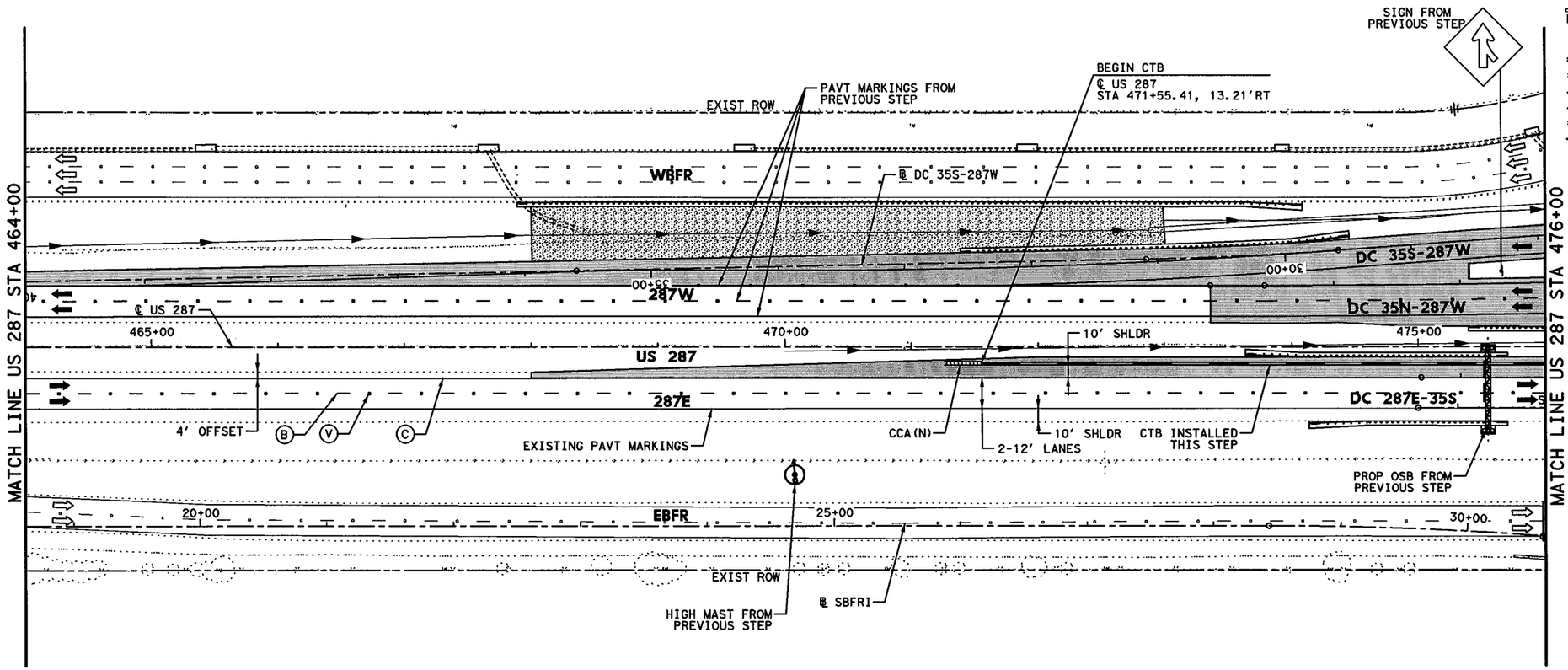
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
## PHASE 4 STEP 1

SCALE 1" = 100' SHEET 22 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 546 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP41_22.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

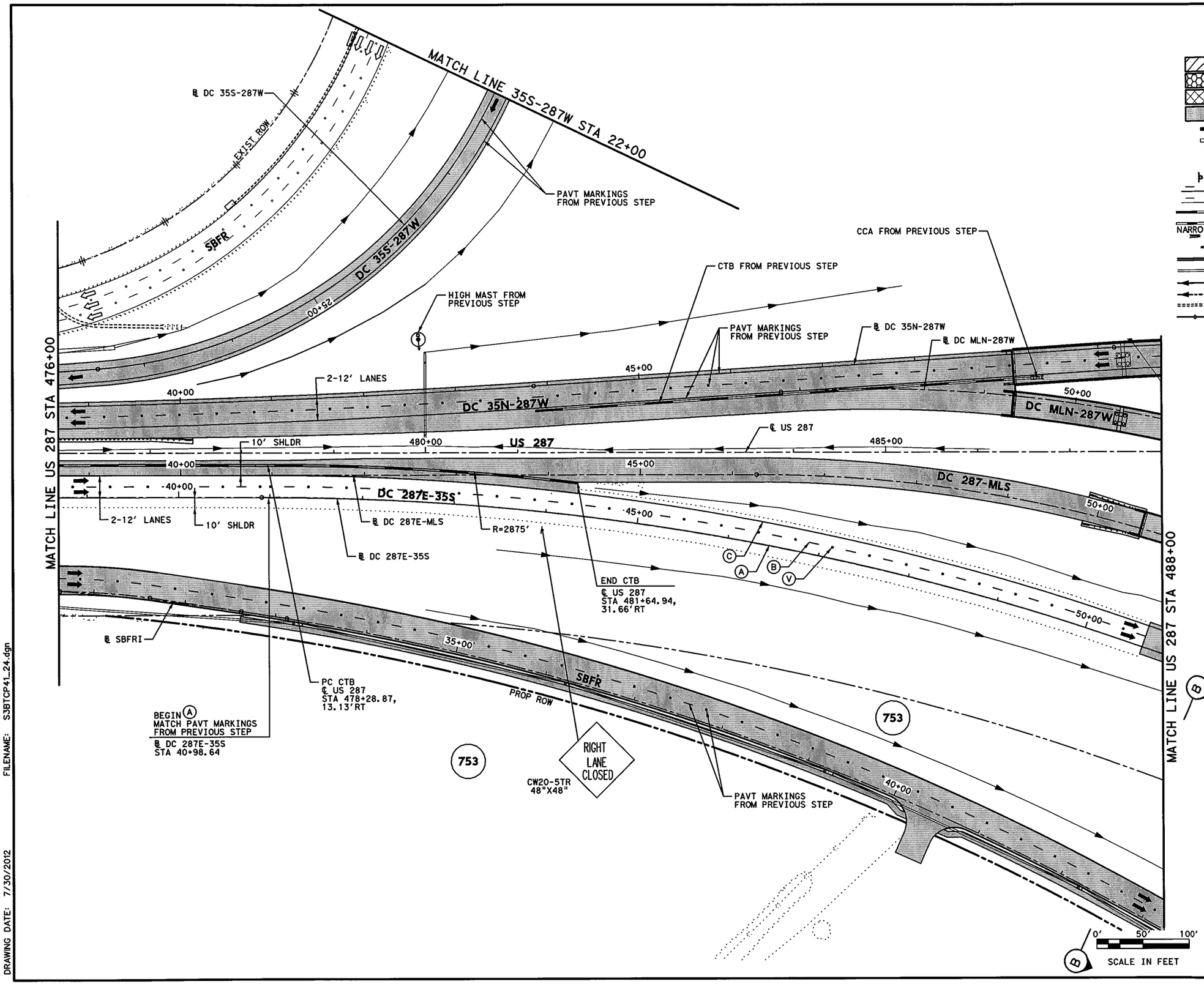
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100' SHEET 23 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 547 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP41_23.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

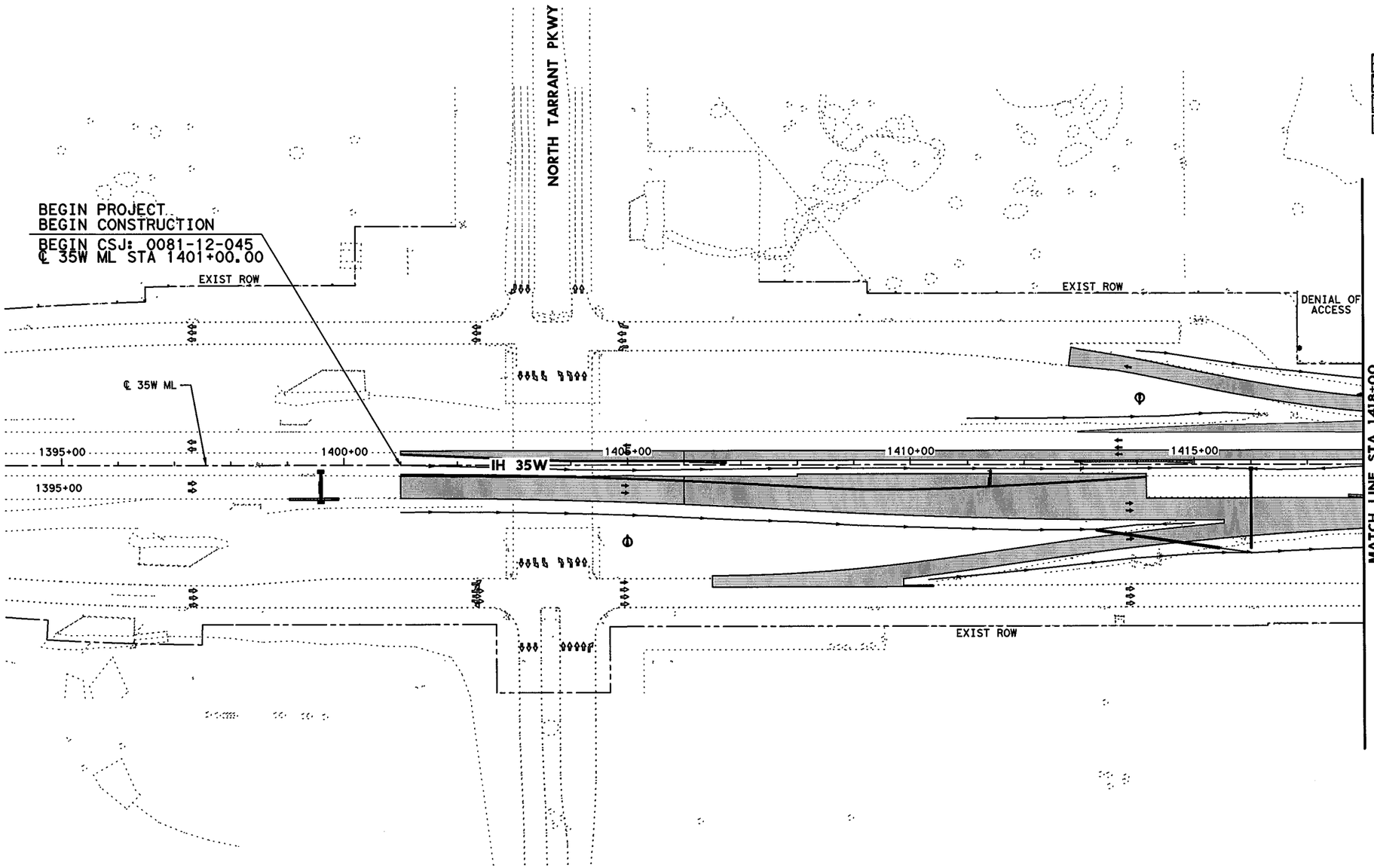
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 1**

SCALE 1" = 100'
SHEET 24 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 548 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP41_24.dgn
DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 4 STEP 2

## BEGIN PROJECT TO STA 1418+00

SCALE: 1" = 200'

SHEET 1 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 549 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL42_01.dgn

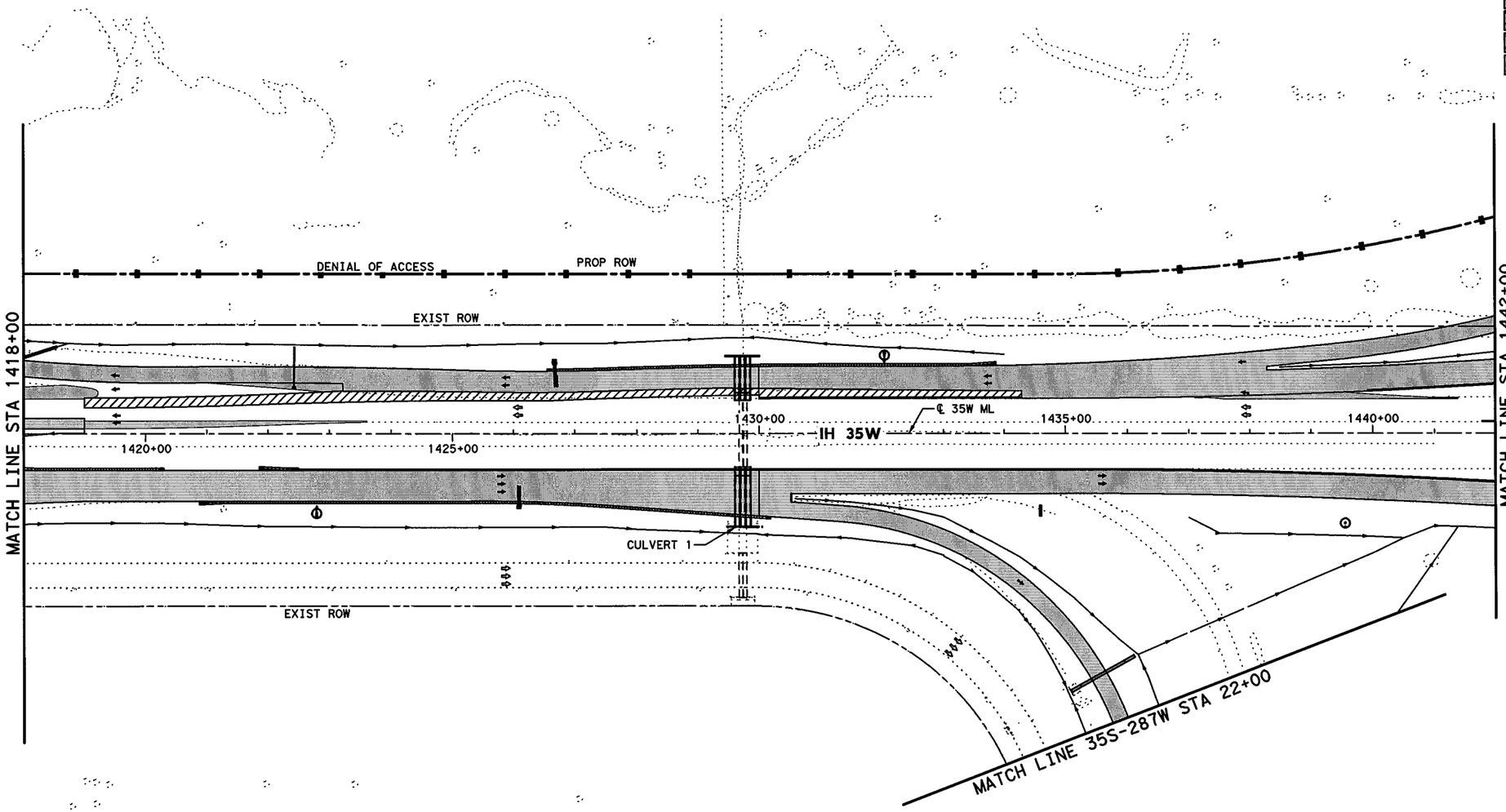
DRAWING DATE: 7/30/2012

0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC




STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 4 STEP 2

## STA 1418+00 TO STA 1442+00

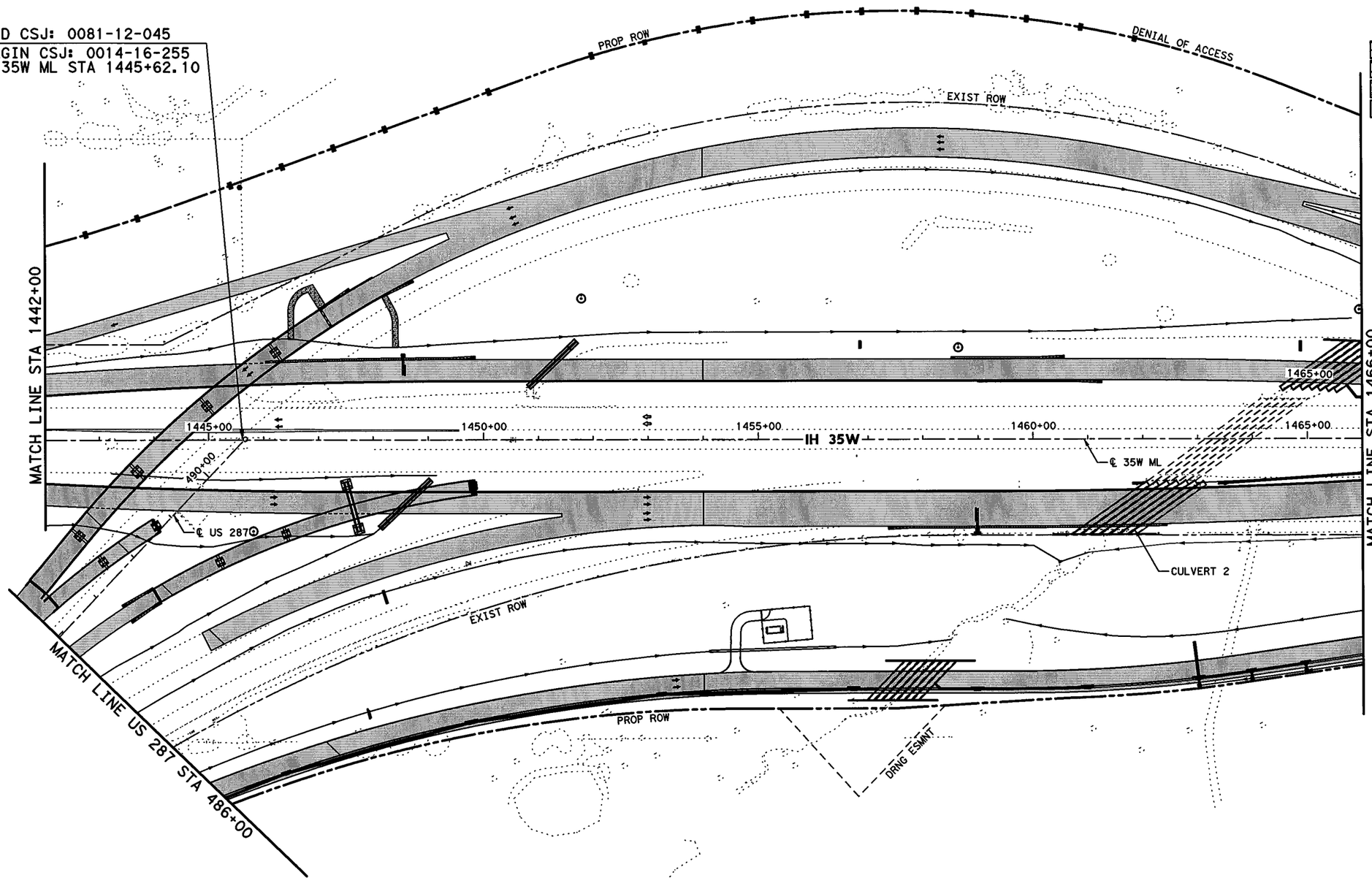
SCALE: 1" = 200' SHEET 2 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 550 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL42_02.dgn

DRAWING DATE: 7/30/2012

END CSJ: 0081-12-045
BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




0' 50' 100' 200'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

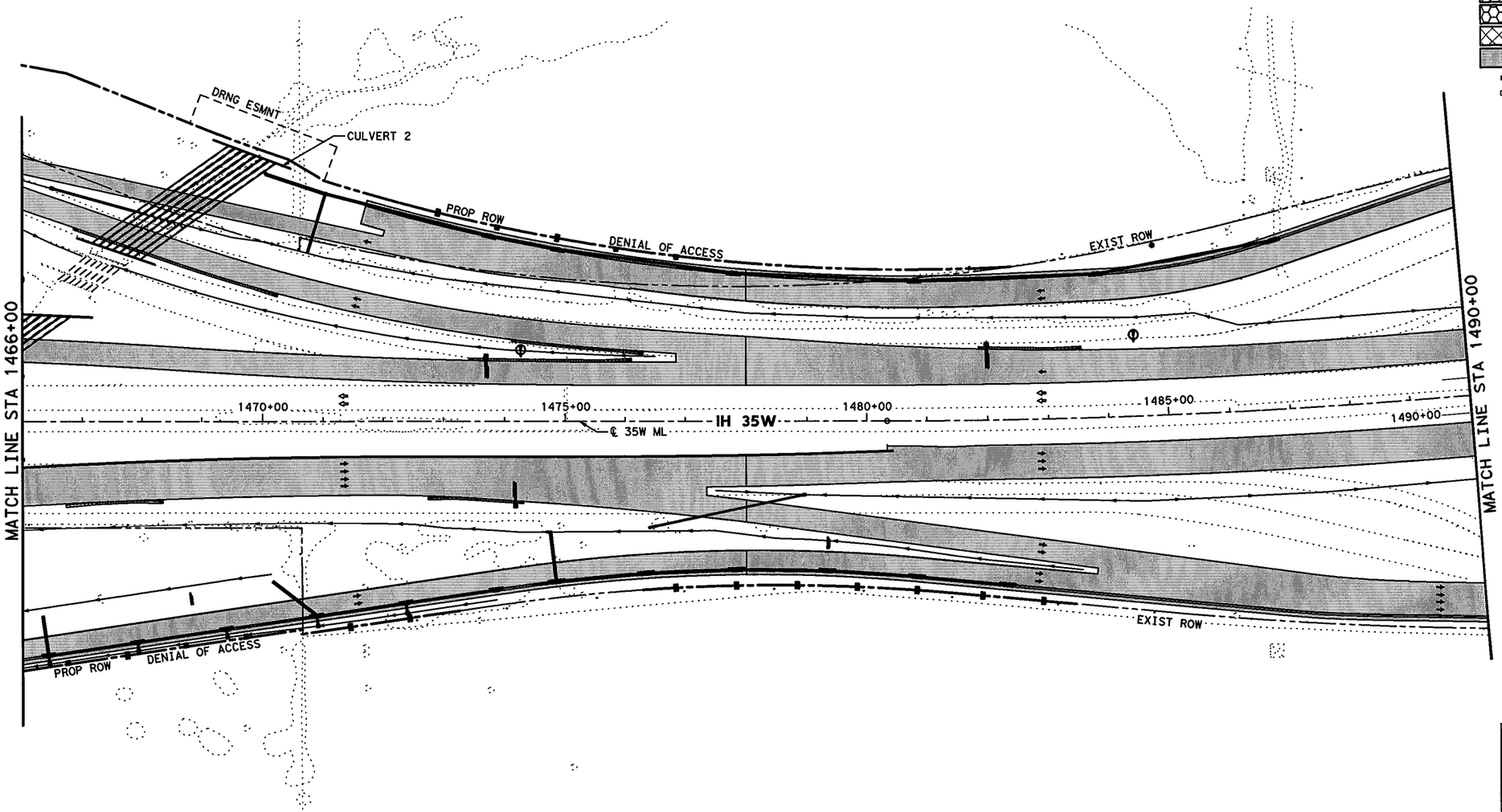
**PHASE 4 STEP 2**

**STA 1442+00 TO STA 1466+00**

SCALE: 1" = 200' SHEET 3 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 551 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL42_03.dgn
DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

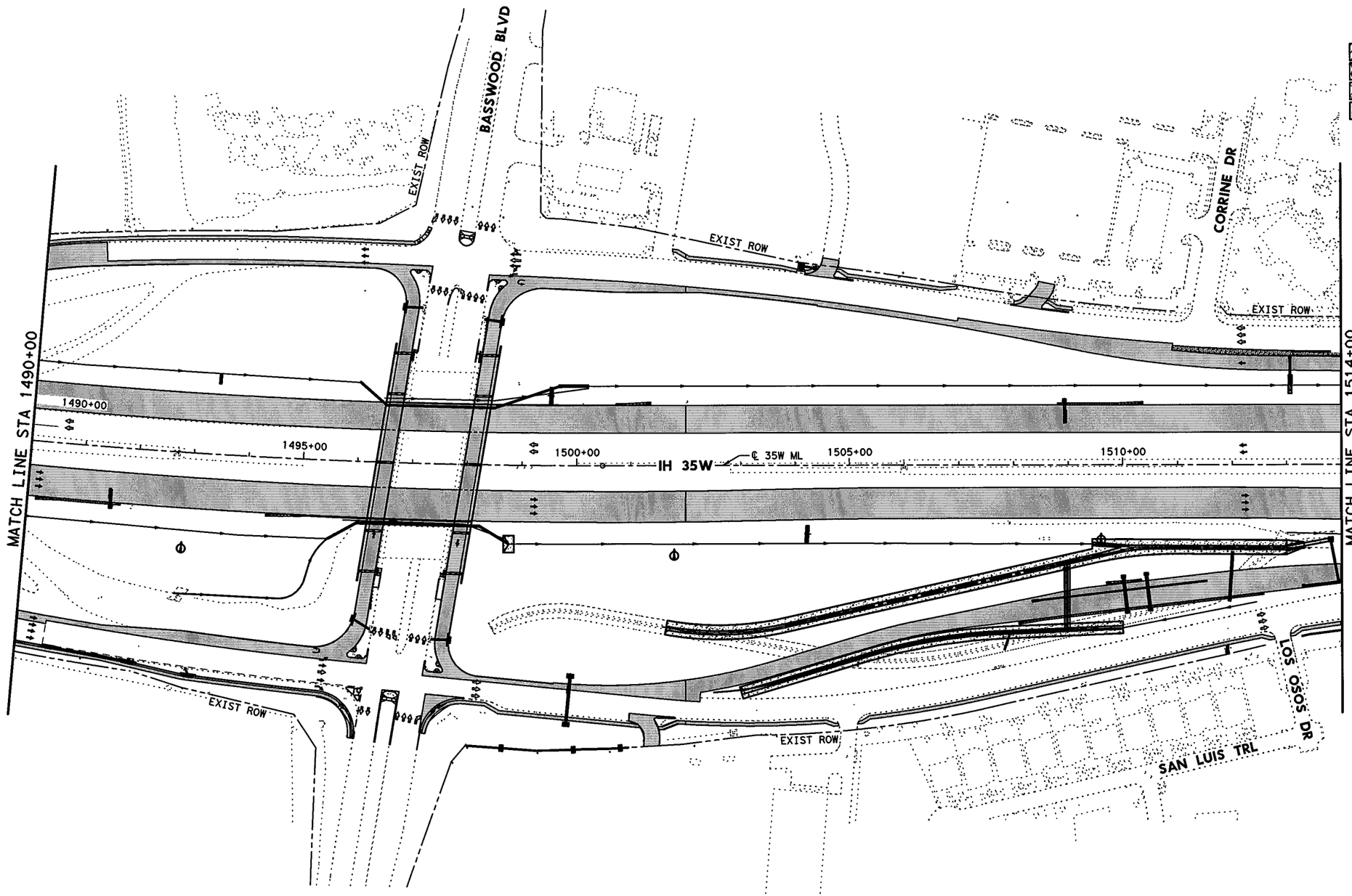
**PHASE 4 STEP 2**

**STA 1466+00 TO STA 1490+00**

SCALE: 1" = 200' SHEET 4 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 552 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCL42_04.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 4 STEP 2

## STA 1490+00 TO STA 1514+00

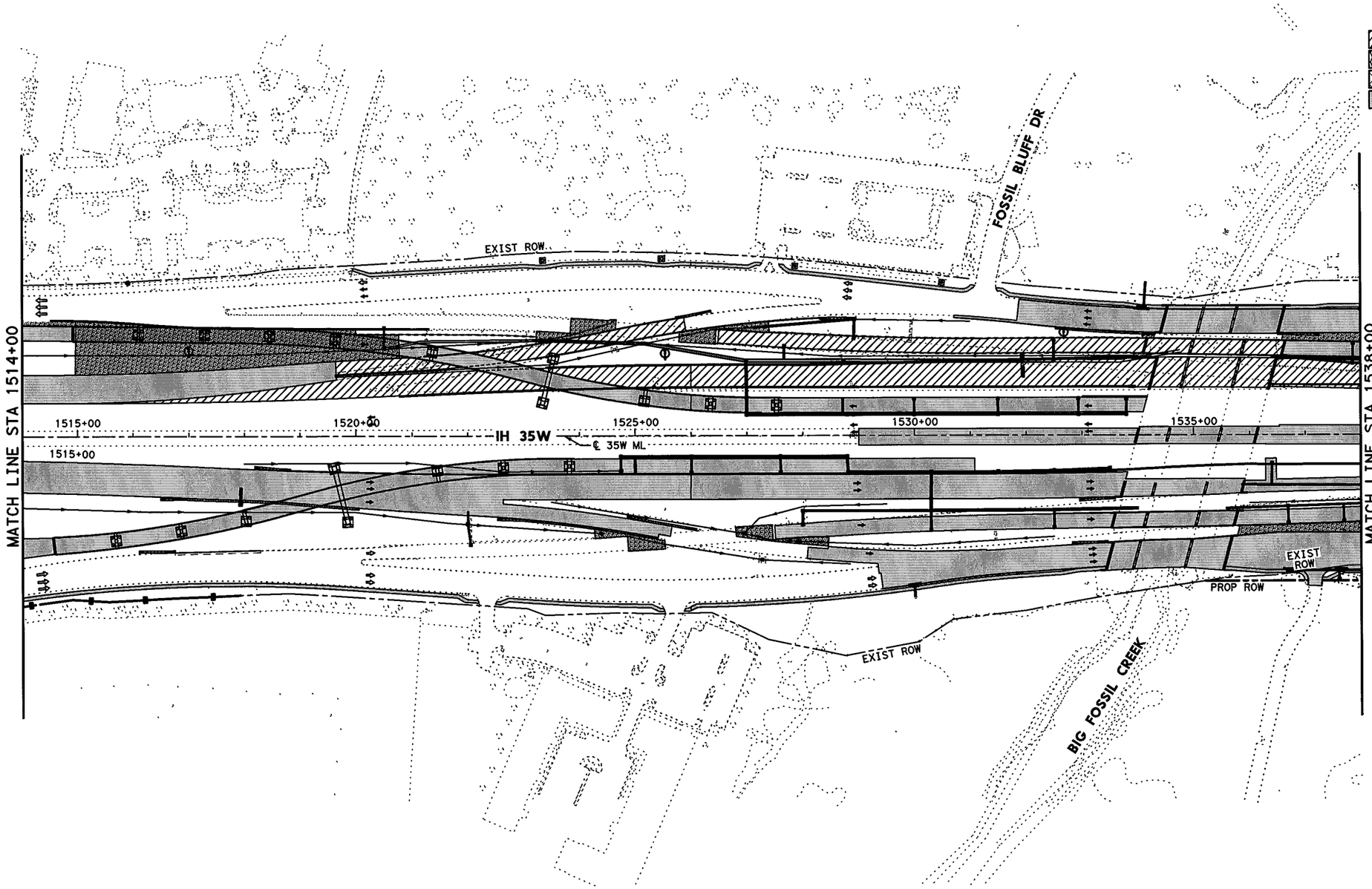
SCALE: 1" = 200'

SHEET 5 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | | | | 553 |
| CHECK | 0014 | 16 | 255, ETC. | |
| SY | | | | |

FILENAME: S3BTCL42_05.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 4 STEP 2

## STA 1514+00 TO STA 1538+00

SCALE: 1" = 200'

SHEET 6 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 554 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S38TCL42_06.dgn

DRAWING DATE: 7/30/2012

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## CONSTRUCTION SEQUENCE LAYOUT

## PHASE 4 STEP 2

## STA 1538+00 TO STA 1562+00

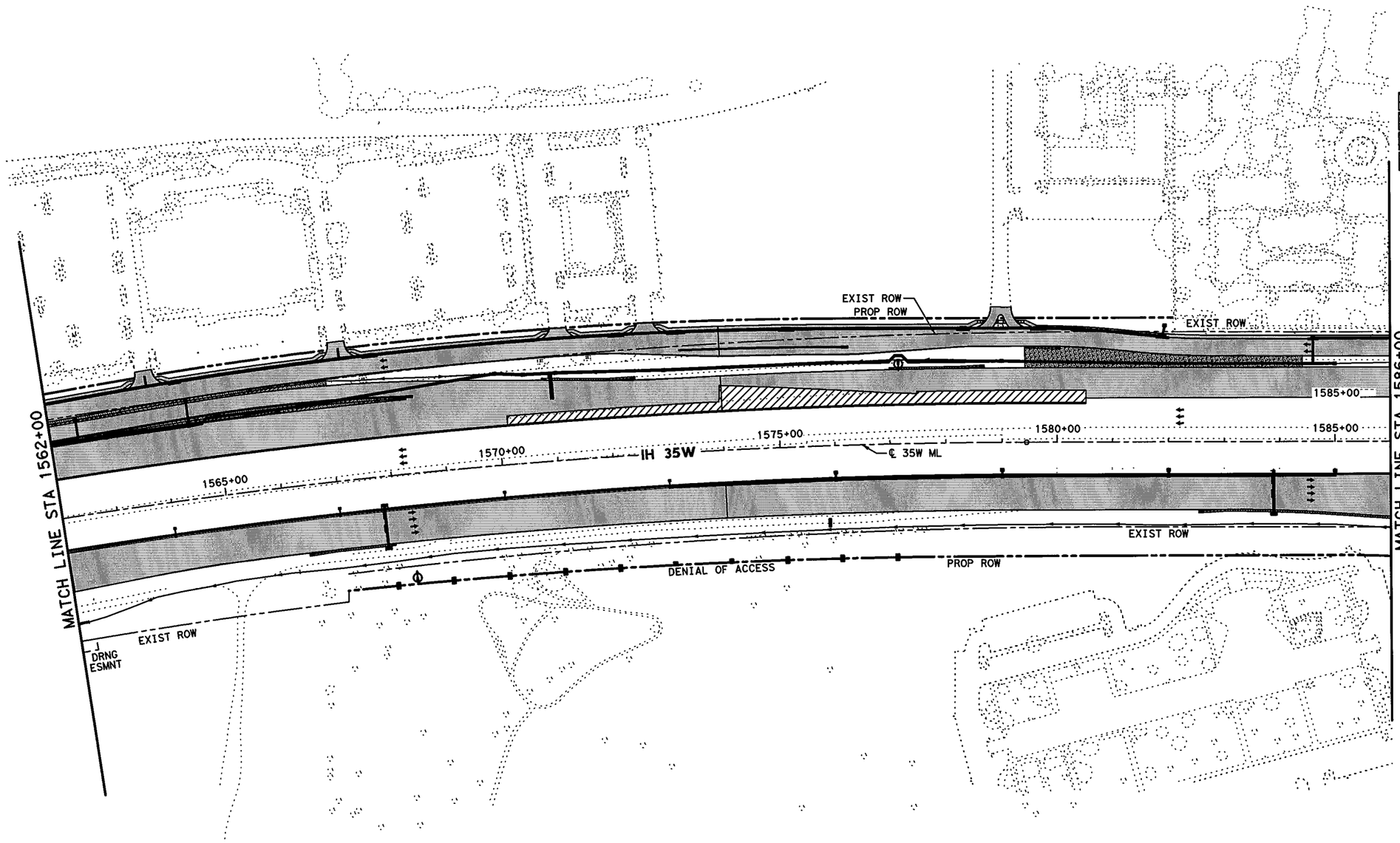
SCALE: 1" = 200'

SHEET 7 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | | | | 555 |
| CHECK | 0014 | 16 | 255, ETC. | |
| SY | | | | |

FILENAME: S3BTCL42_07.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 4 STEP 2

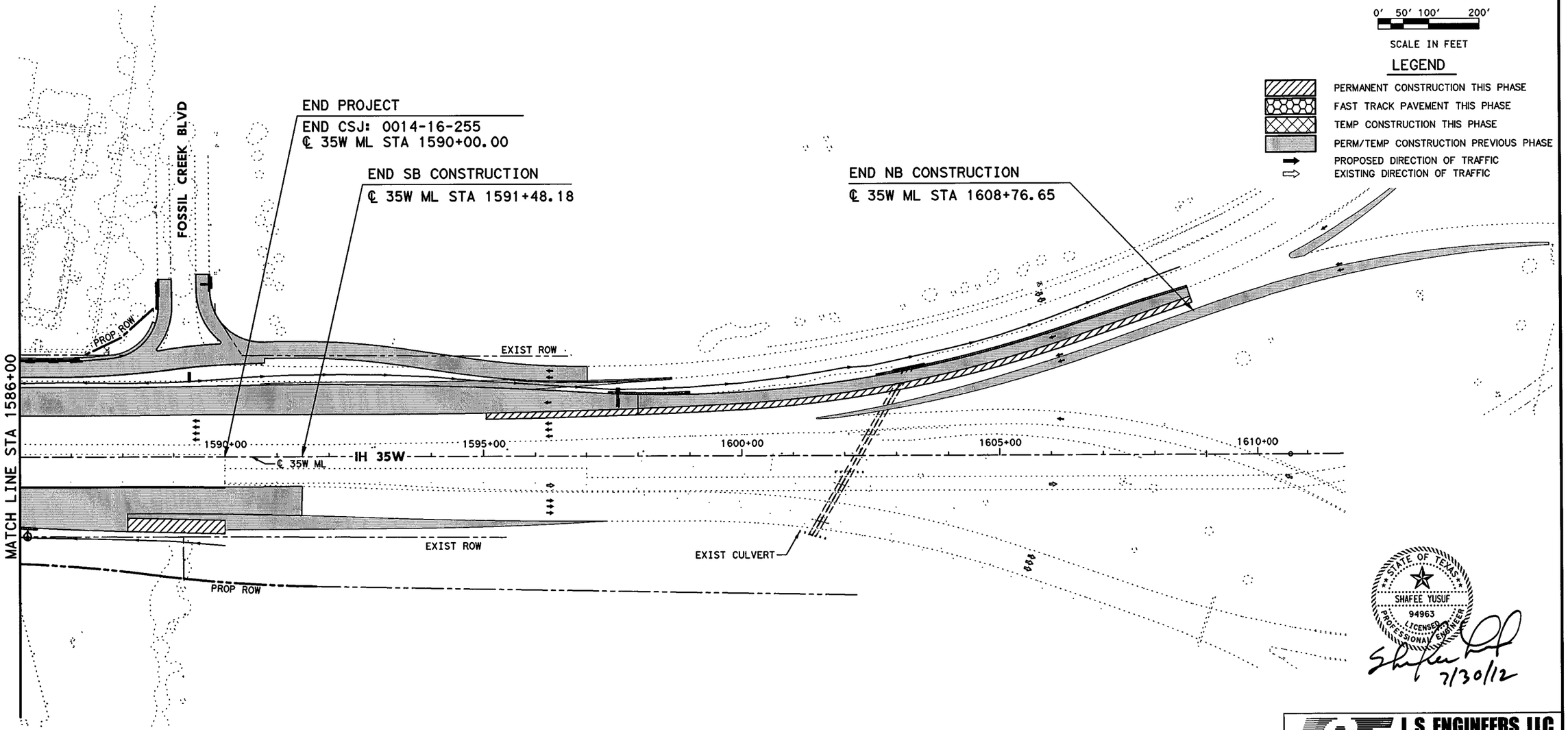
## STA 1562+00 TO STA 1586+00

SCALE: 1" = 200'

SHEET 8 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 556 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCL42_08.dgn




STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## CONSTRUCTION SEQUENCE LAYOUT
## PHASE 4 STEP 2
## STA 1586+00 TO END PROJECT

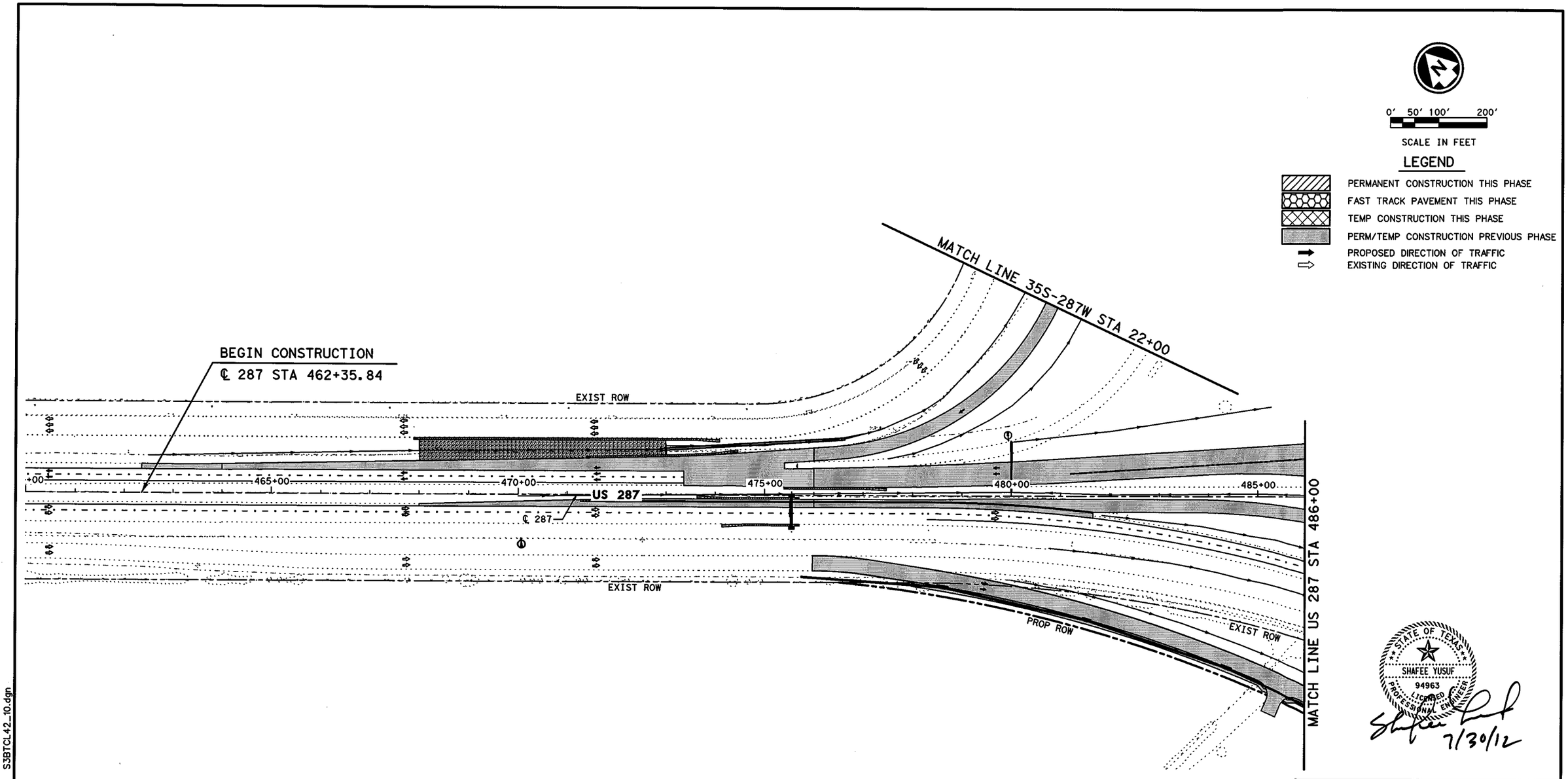
SCALE: 1" = 200'

SHEET 9 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 557 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL42_09.dgn

DRAWING DATE: 7/30/2012




STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## CONSTRUCTION SEQUENCE LAYOUT
## PHASE 4 STEP 2
## STA 460+00 TO STA 486+00

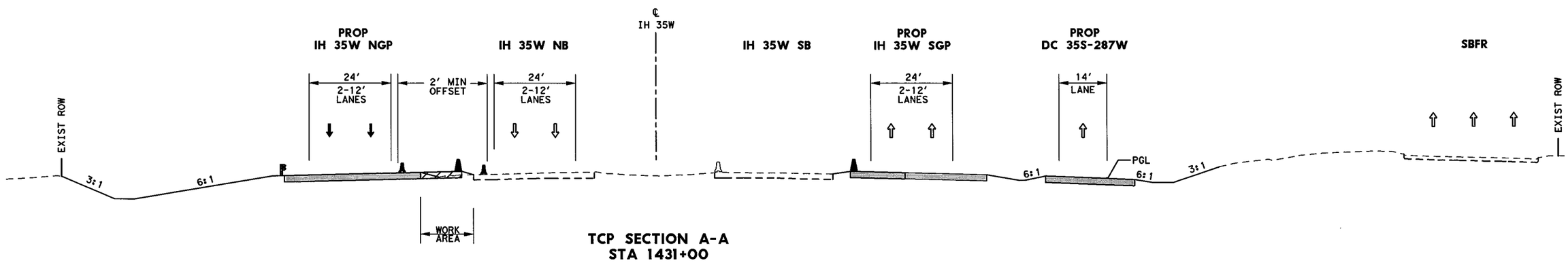
SCALE: 1" = 200'

SHEET 10 OF 10

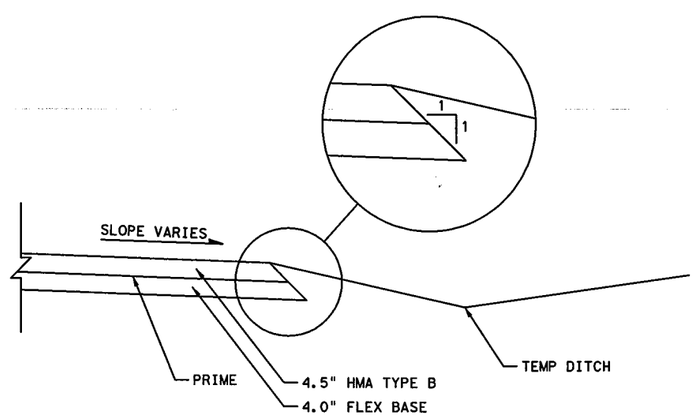
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 558 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL42_10.dgn

DRAWING DATE: 7/30/2012




**TCP SECTION A-A**
**STA 1431+00**




**DETOUR & TEMP WIDENING**
**TYPICAL SECTION**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

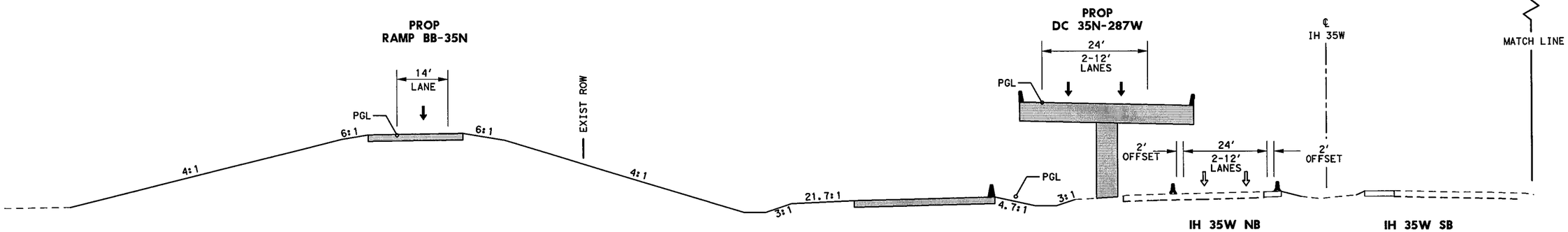
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 4 STEP 2**

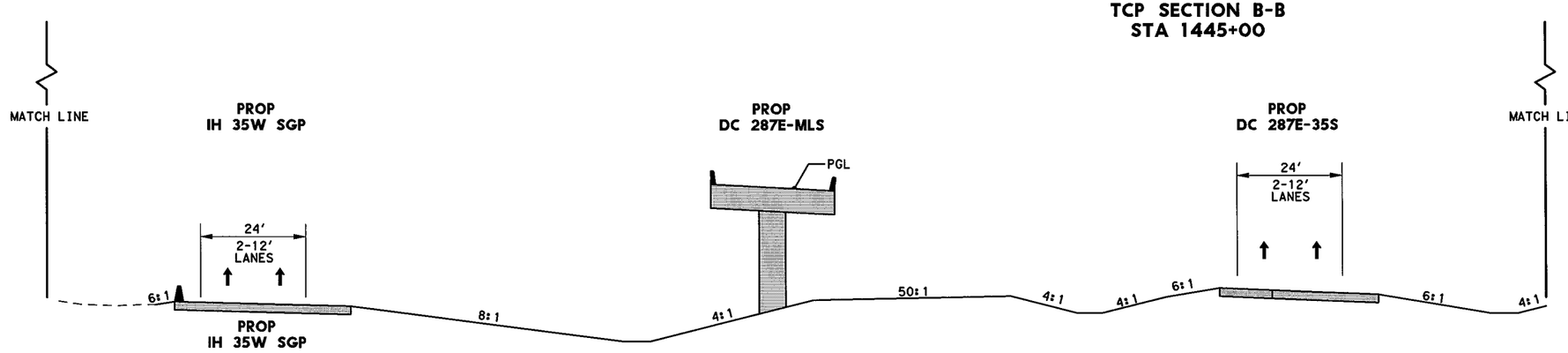
SCALE: NTS — SHEET 1 OF 4

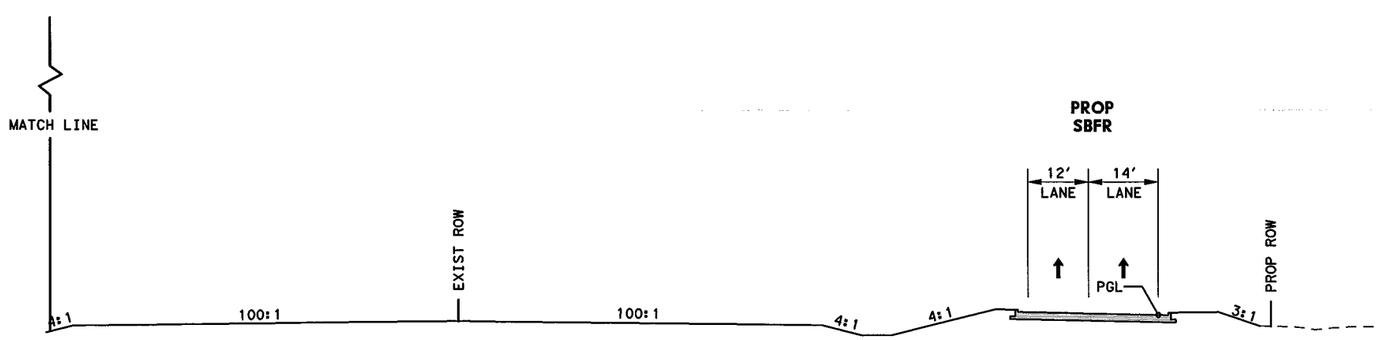
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 559 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCT42_01.dgn




## TCP SECTION B-B
## STA 1445+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

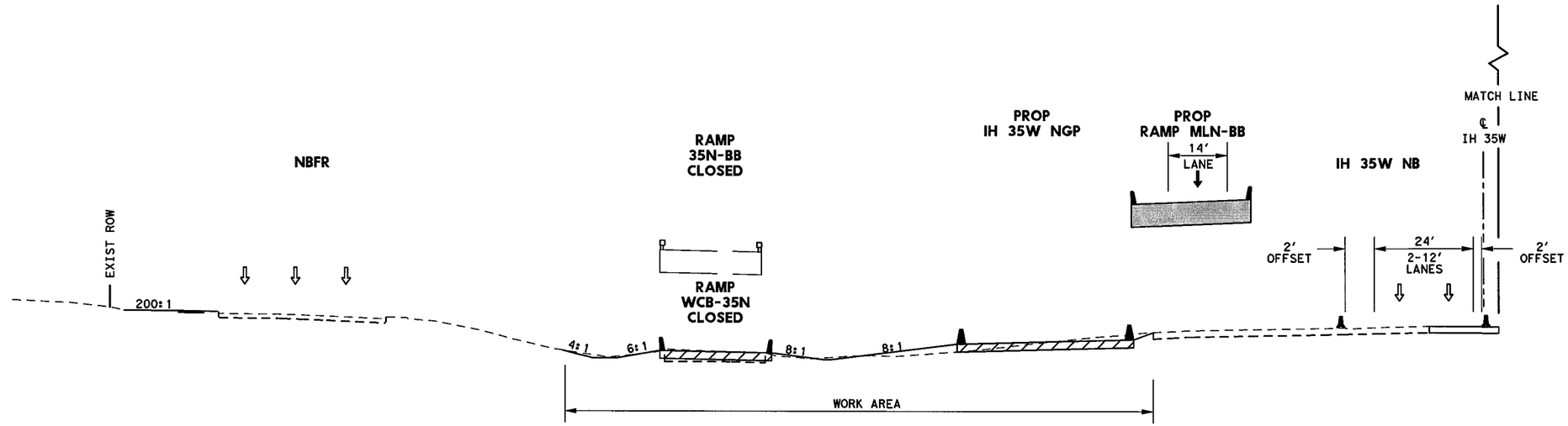
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 4 STEP 2**

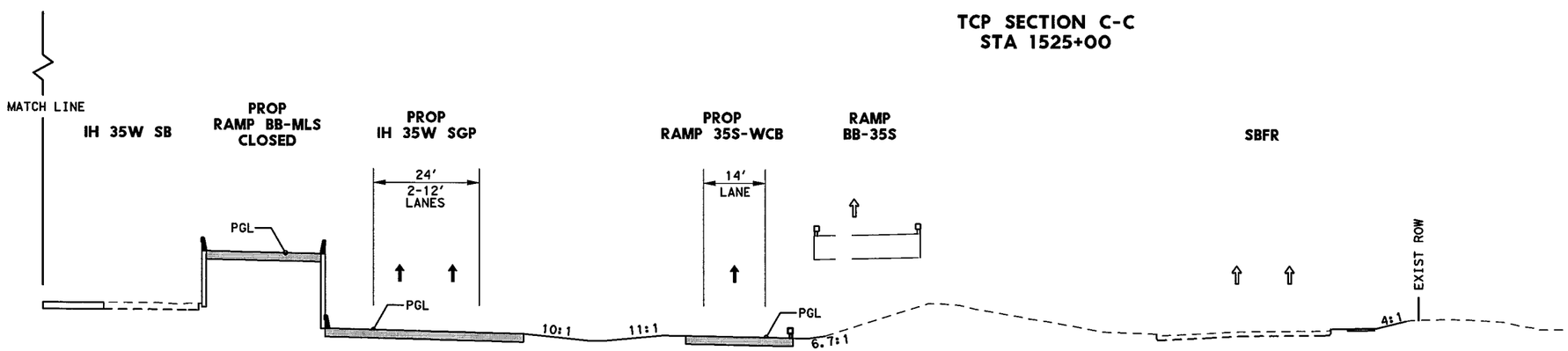
SCALE: NTS — SHEET 2 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 560 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCT42_02.dgn
DRAWING DATE: 7/30/2012




## TCP SECTION C-C
## STA 1525+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

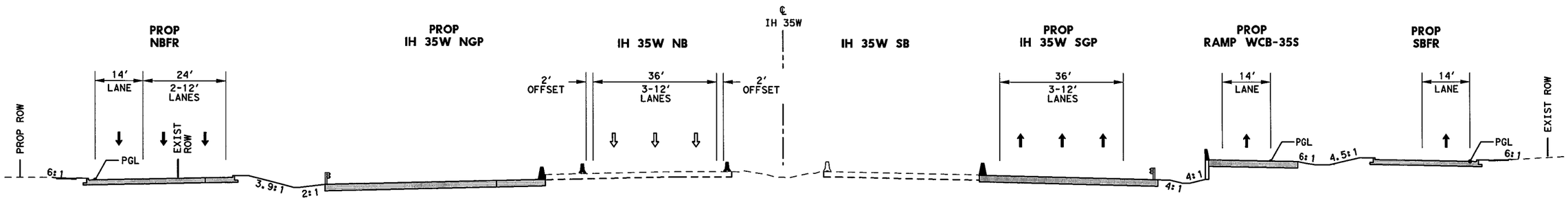
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 4 STEP 2**

SCALE: NTS — SHEET 3 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 561 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCT42_03.dgn




**TCP SECTION D-D**
**STA 1554+00**

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

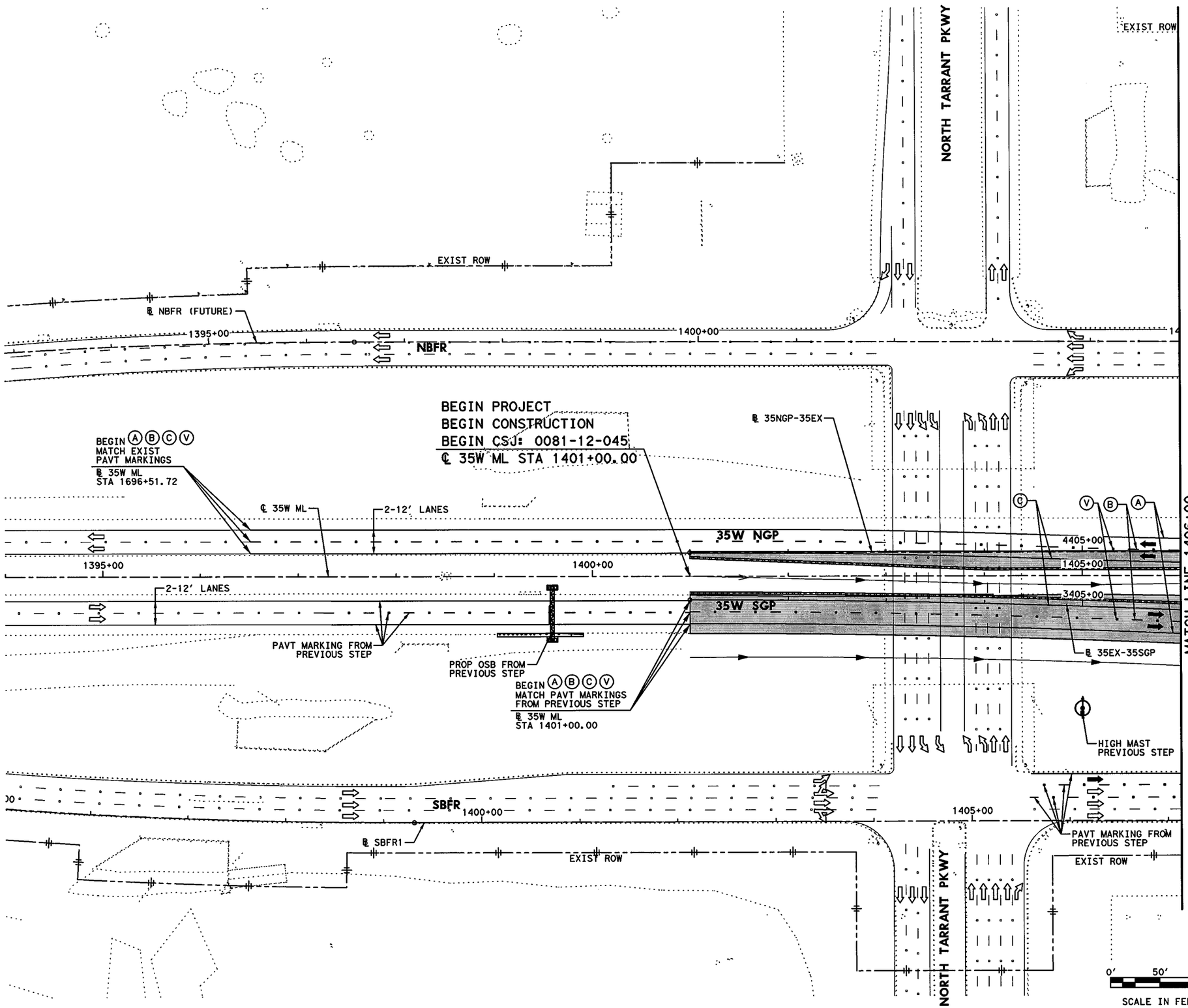
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 4 STEP 2**

SCALE: NTS
SHEET 4 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 562 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCT42_04.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

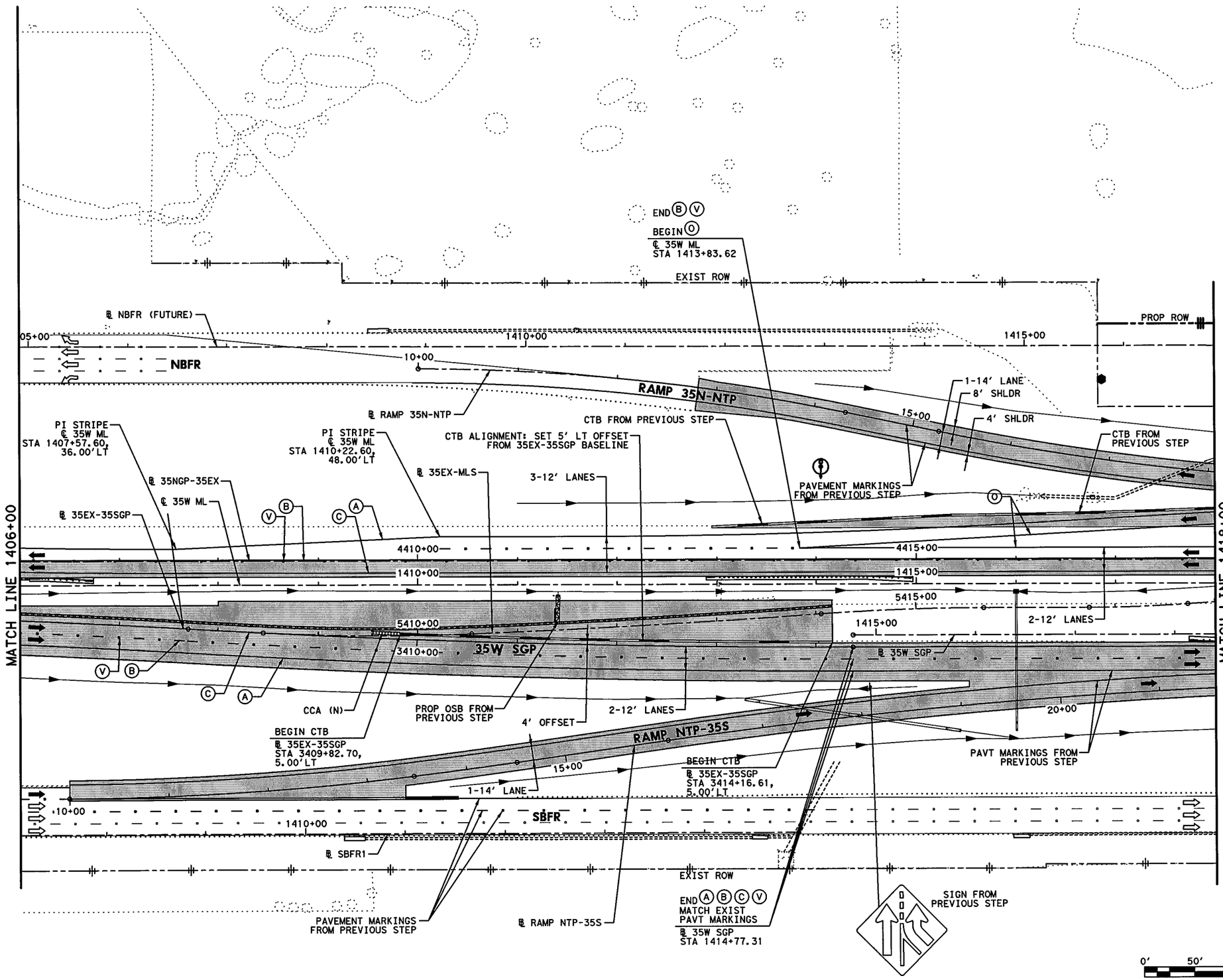
**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100'

SHEET 1 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 563 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP42_01.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

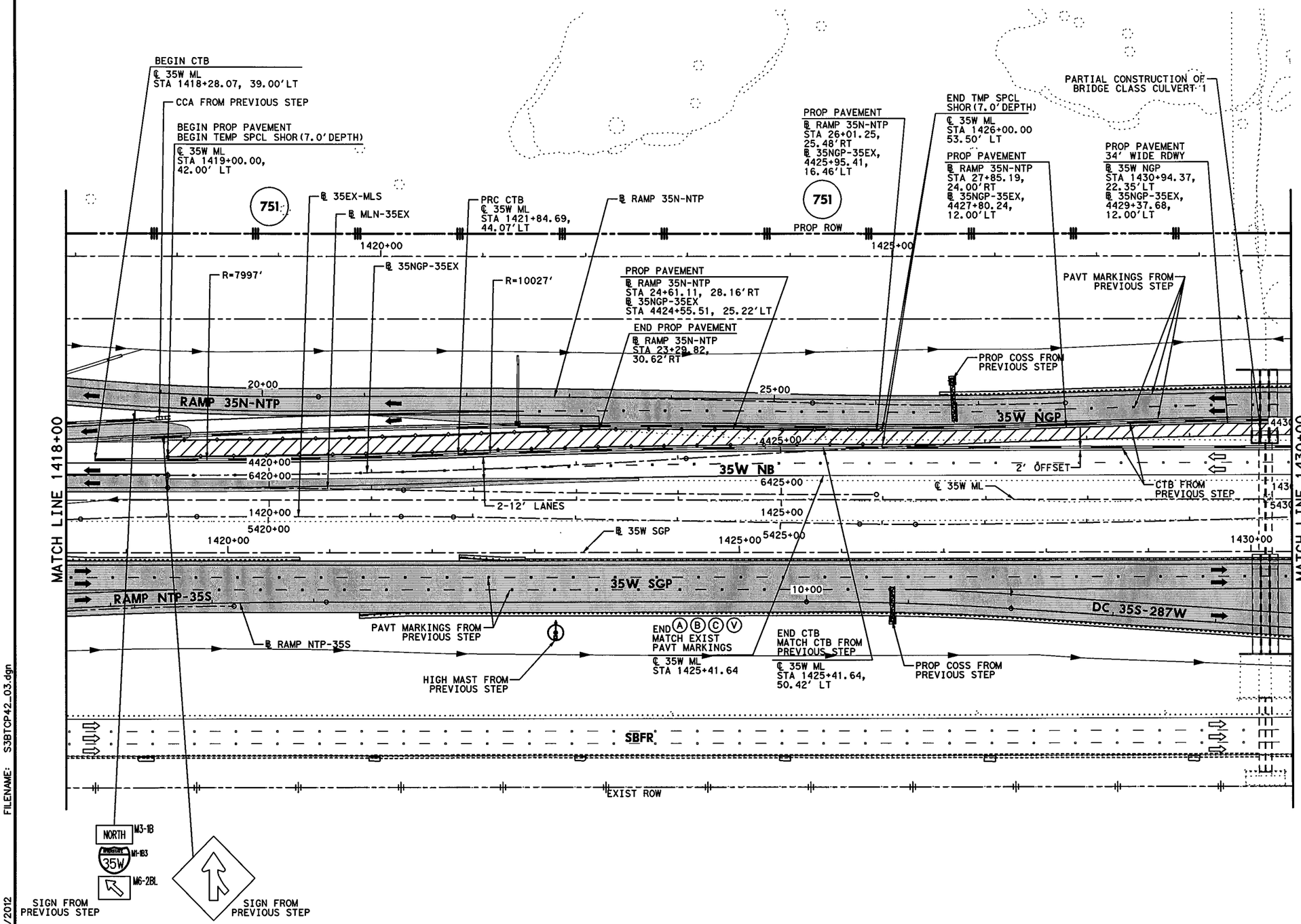
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 2 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 564 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S35TCP42_02.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

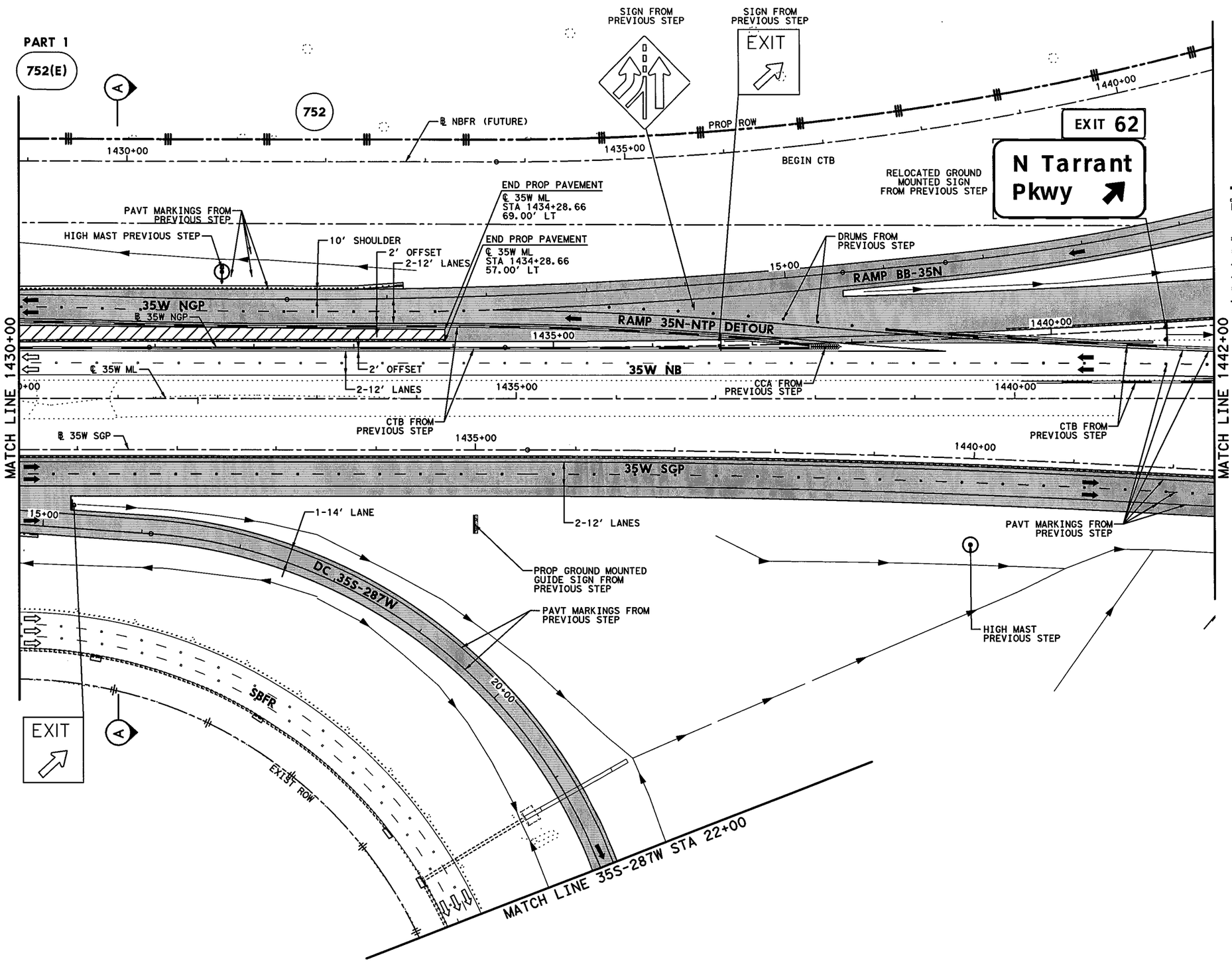
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 3 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 565 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP42_03.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

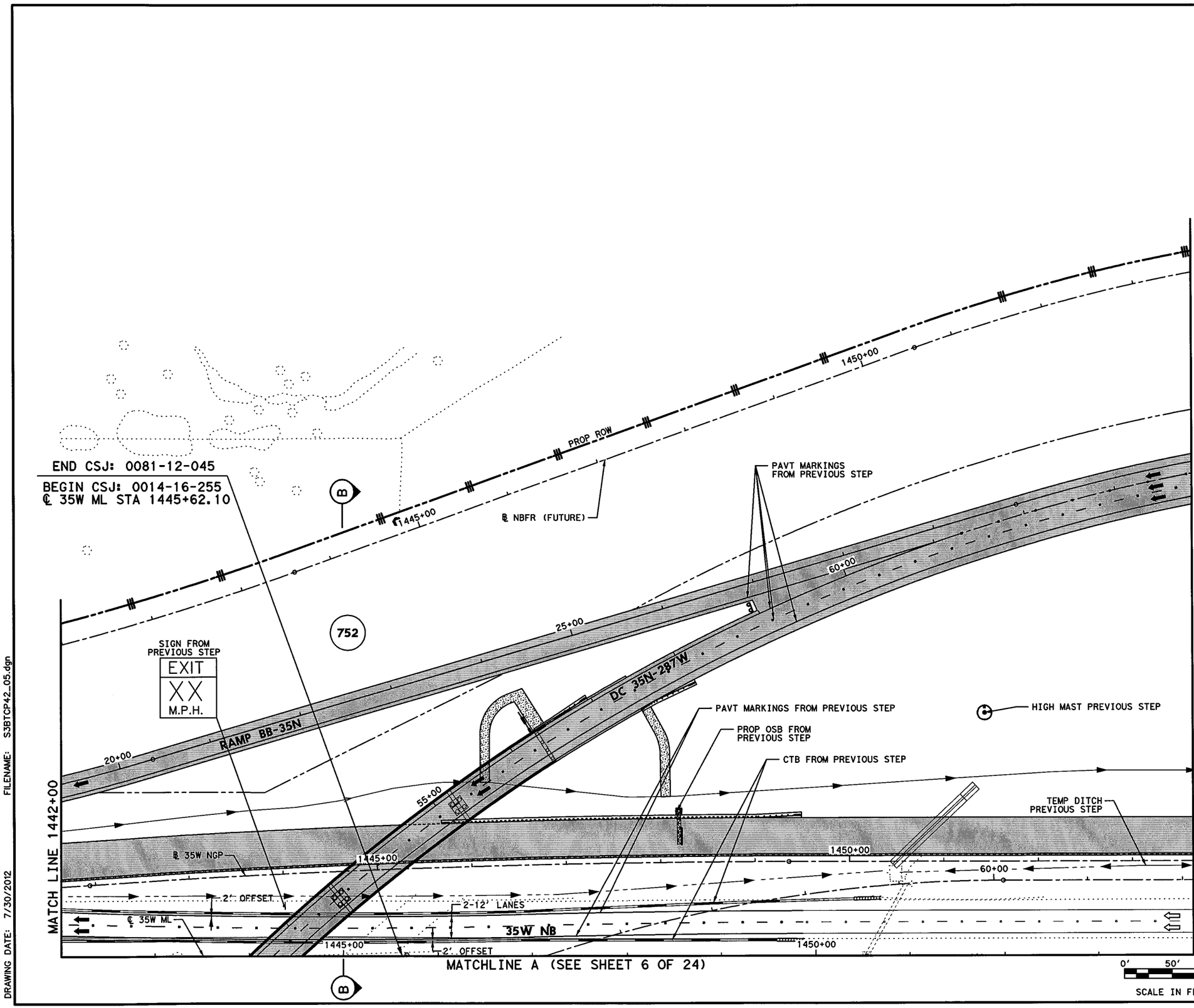
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 4 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 566 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF / SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP42_04.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

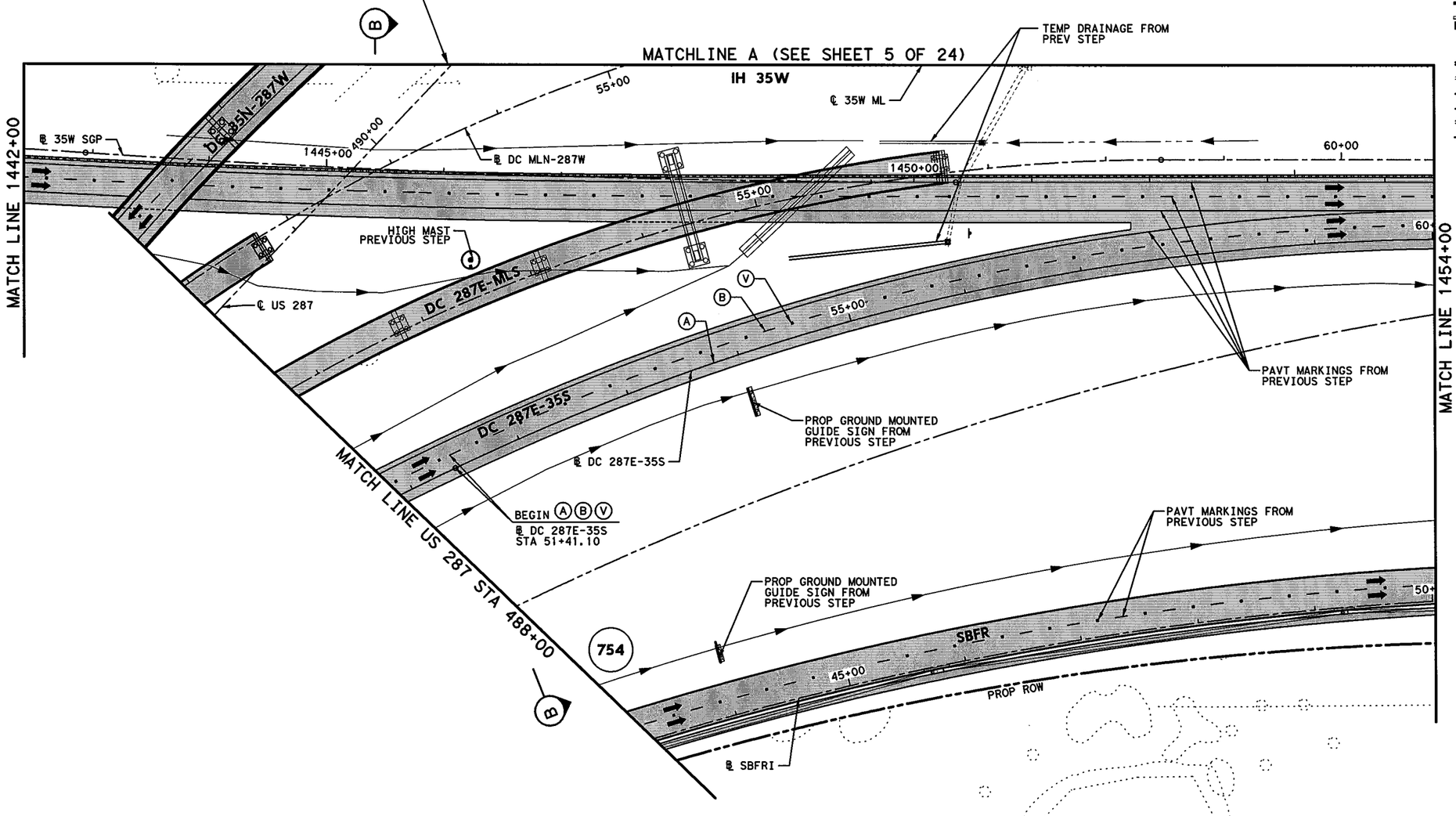
SCALE 1" = 100' SHEET 5 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 567 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP42_05.dgn
DRAWING DATE: 7/30/2012

END CSJ: 0081-12-045

BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

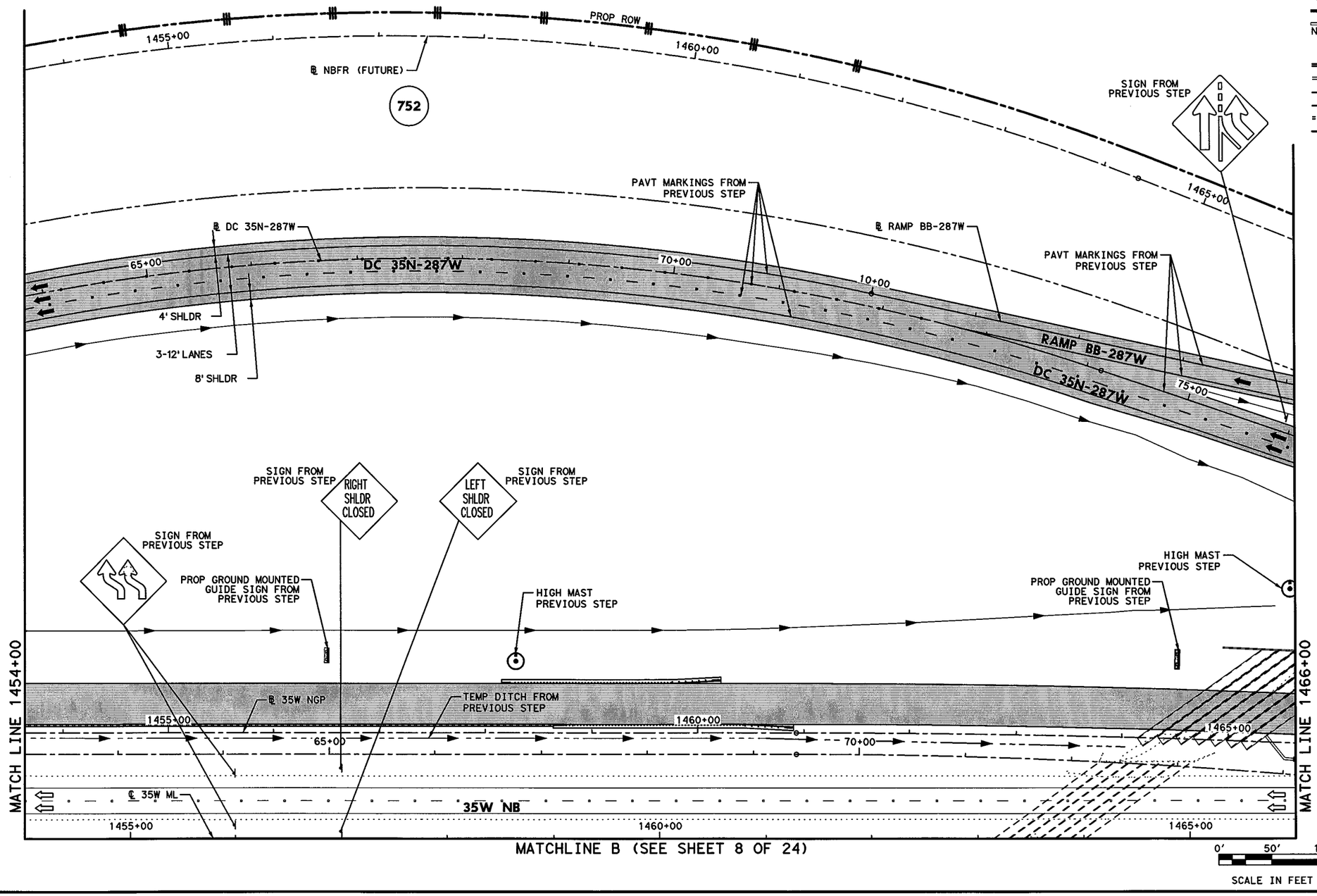
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 6 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | | | | 568 |
| CHECK | 0014 | 16 | 255, ETC. | |
| SY | | | | |

FILENAME: S3BTCP42_06.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

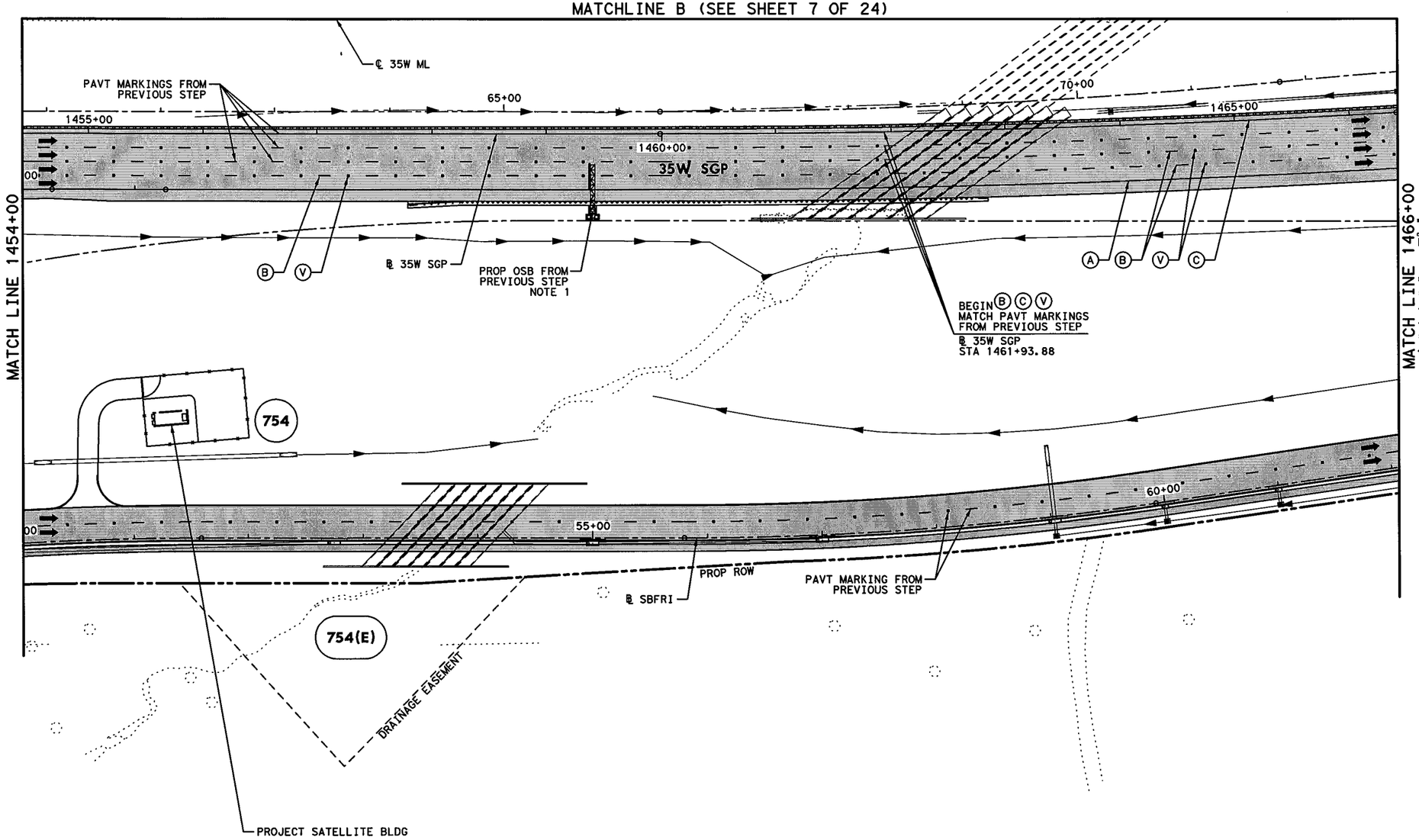
**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 7 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 569 |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP42_07.dgn
DRAWING DATE: 7/30/2012

MATCHLINE B (SEE SHEET 7 OF 24)




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. PROPOSED GUIDE SIGN ON COSS AVAILABLE TO DIRECT TRAFFIC TO RAMP 35S-BB. SEE SIGN LAYOUT SHEETS.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

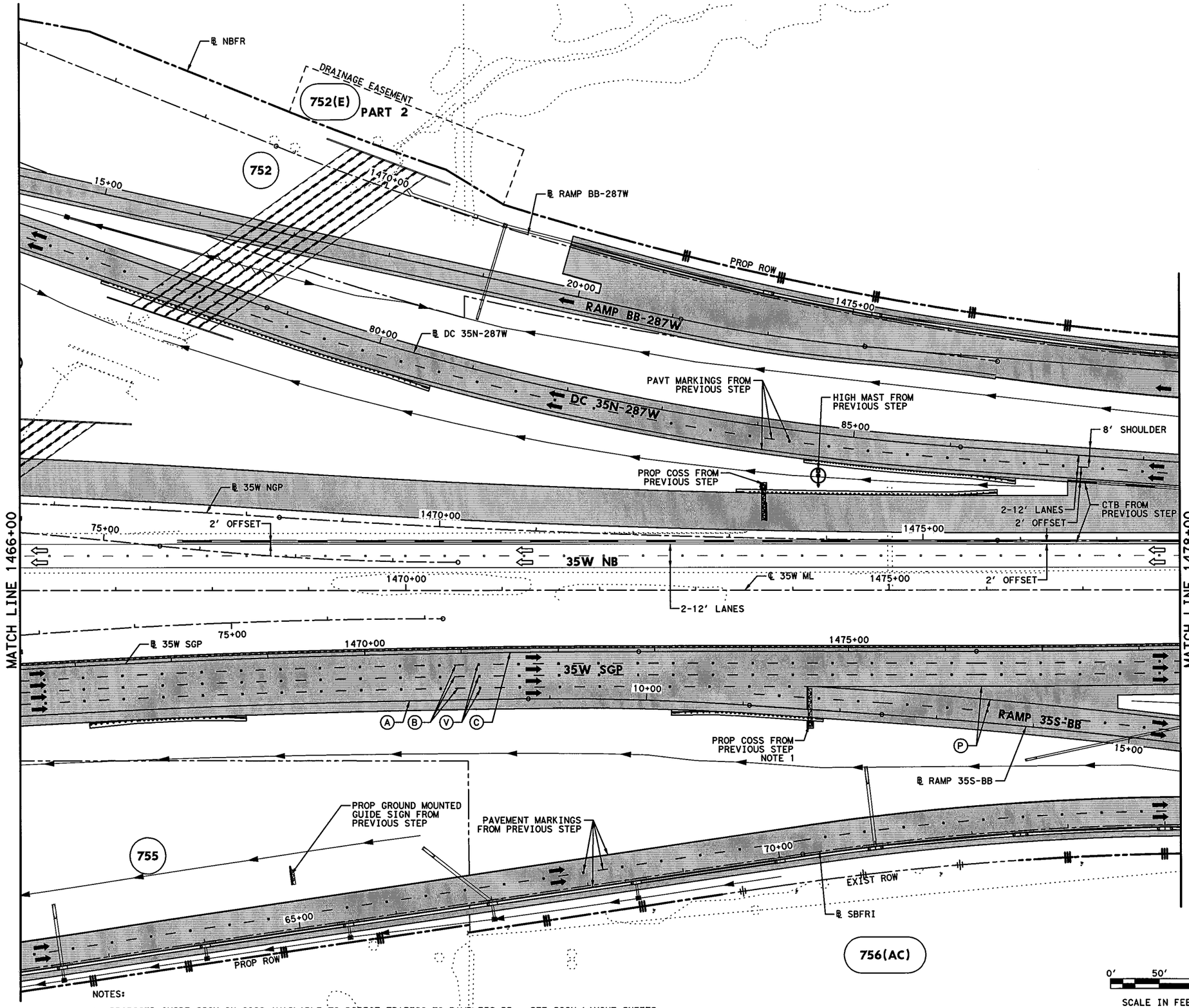
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 8 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 570 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP42_08.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. PROPOSED GUIDE SIGN ON COSS AVAILABLE TO DIRECT TRAFFIC TO RAMP 35S-BB. SEE SIGN LAYOUT SHEETS.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

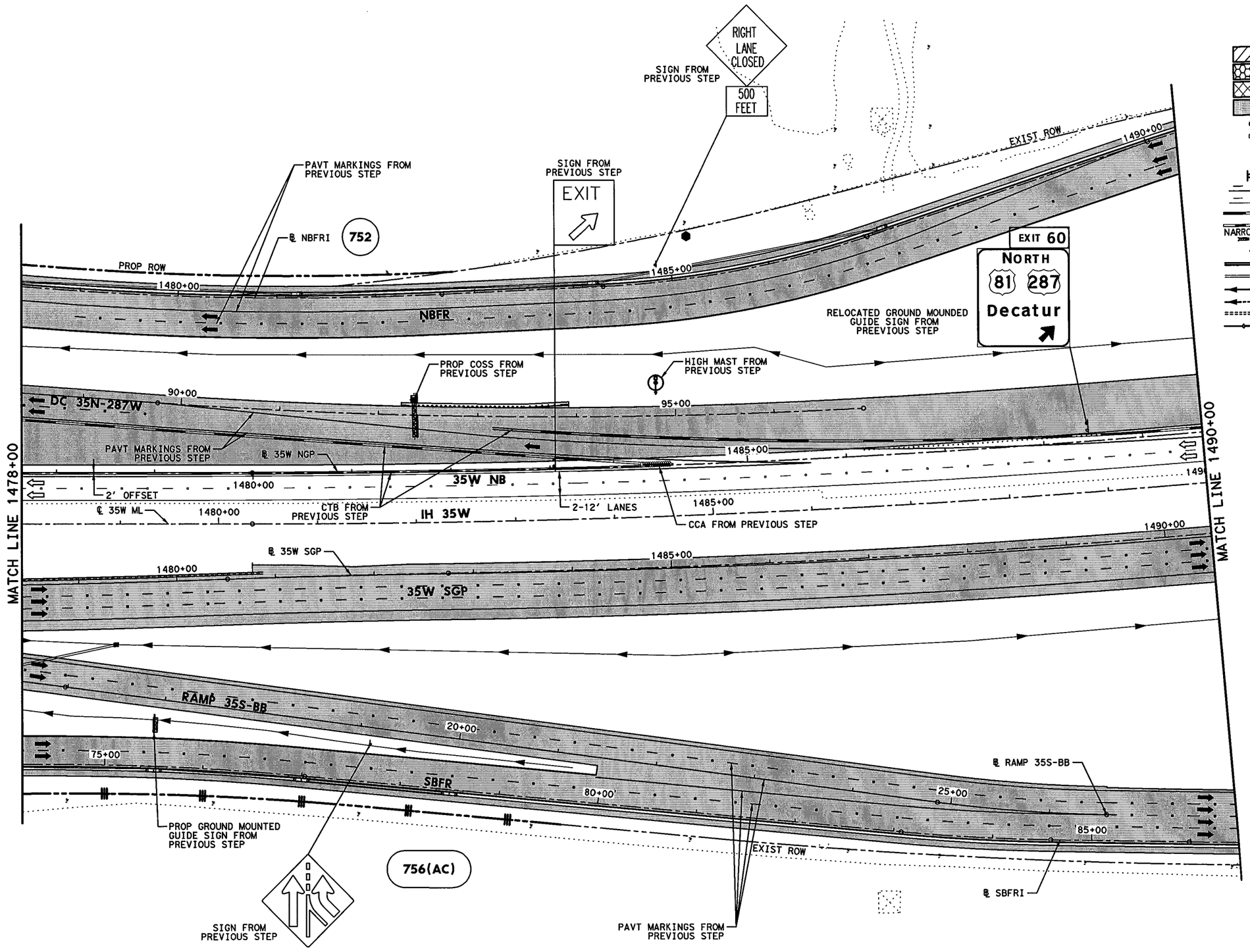
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 9 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 571 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP42_09.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

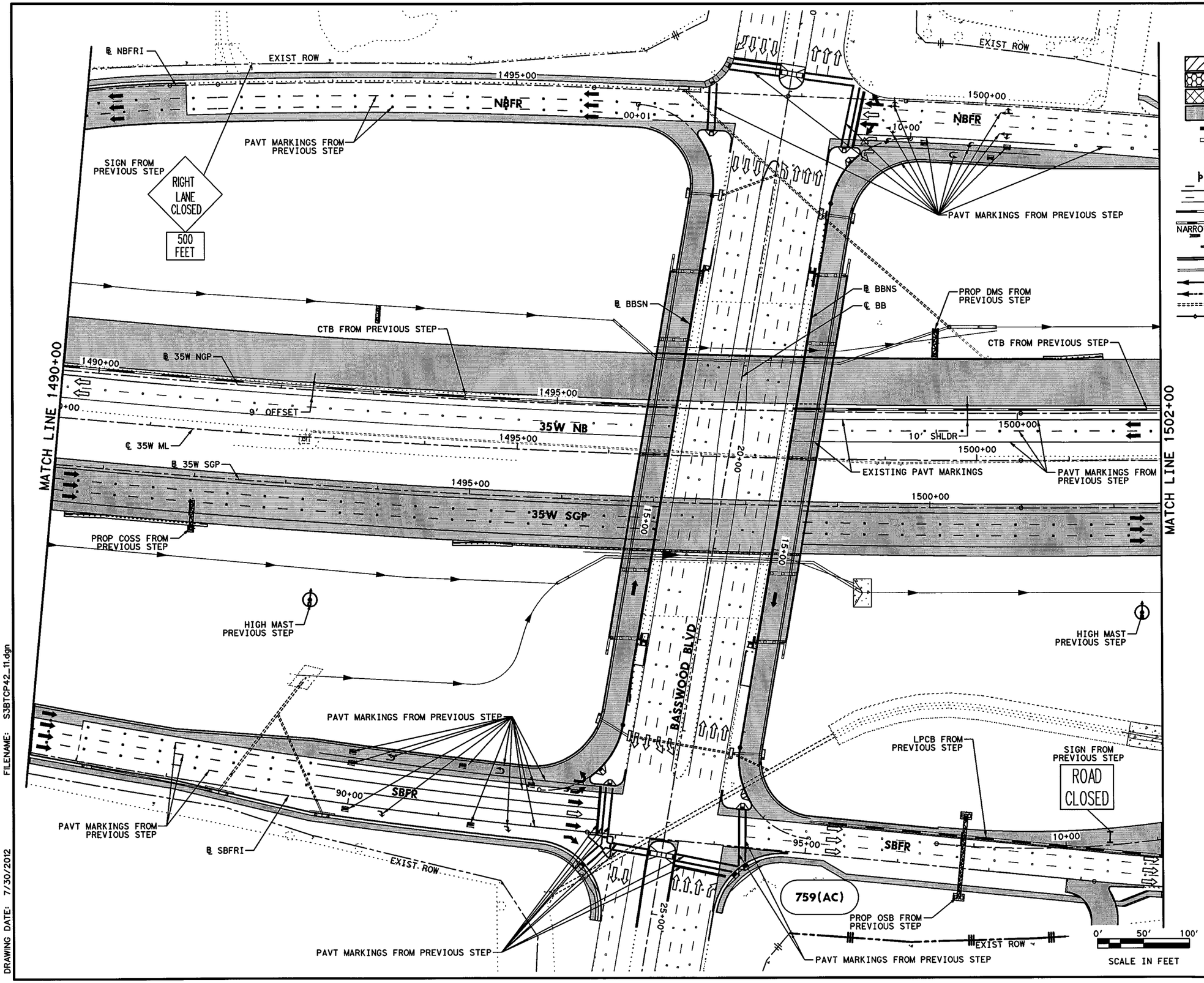
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 10 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 572 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP42_10.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

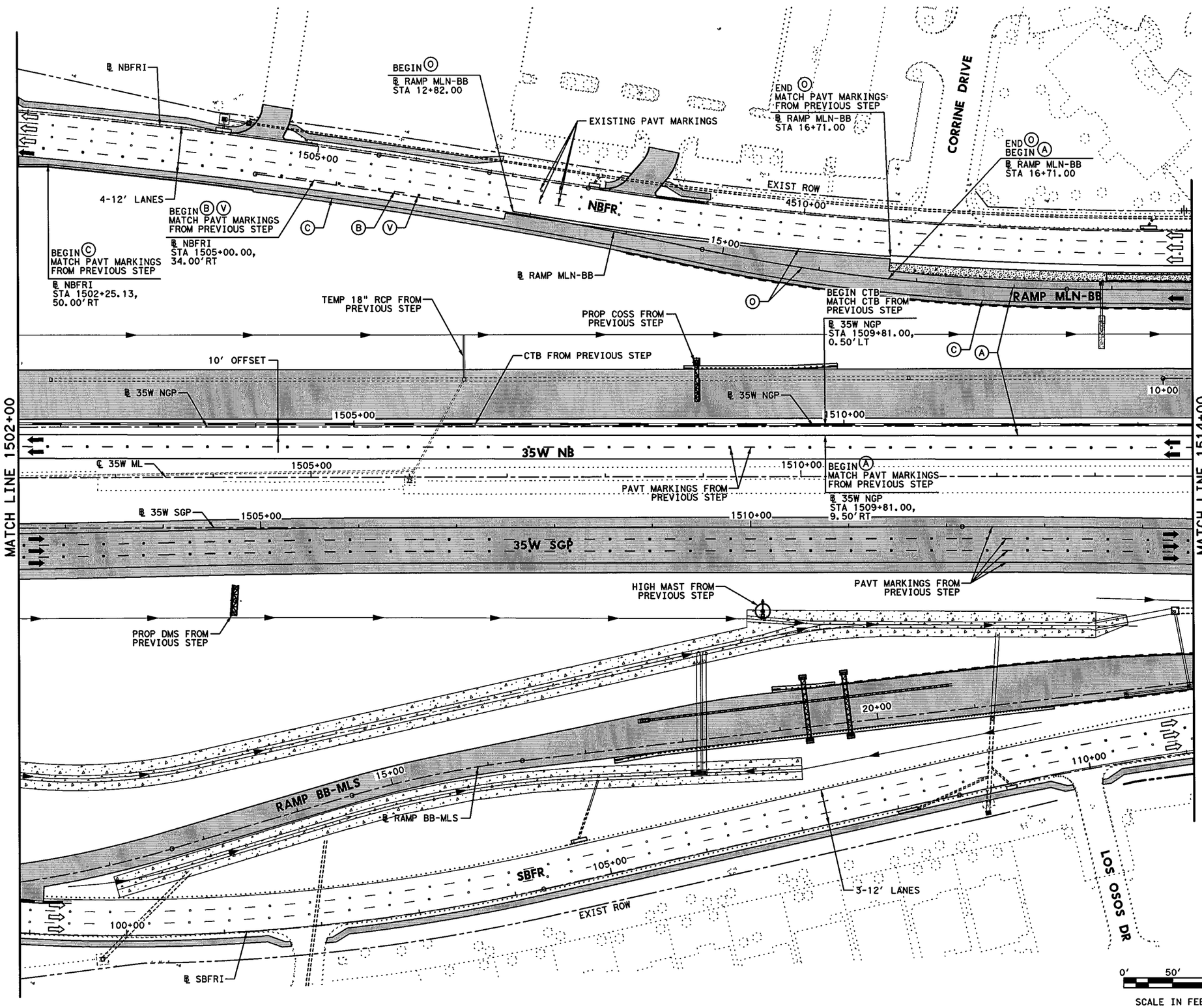
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
## PHASE 4 STEP 2

SCALE 1" = 100' SHEET 11 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 573 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP42_11.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
W. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

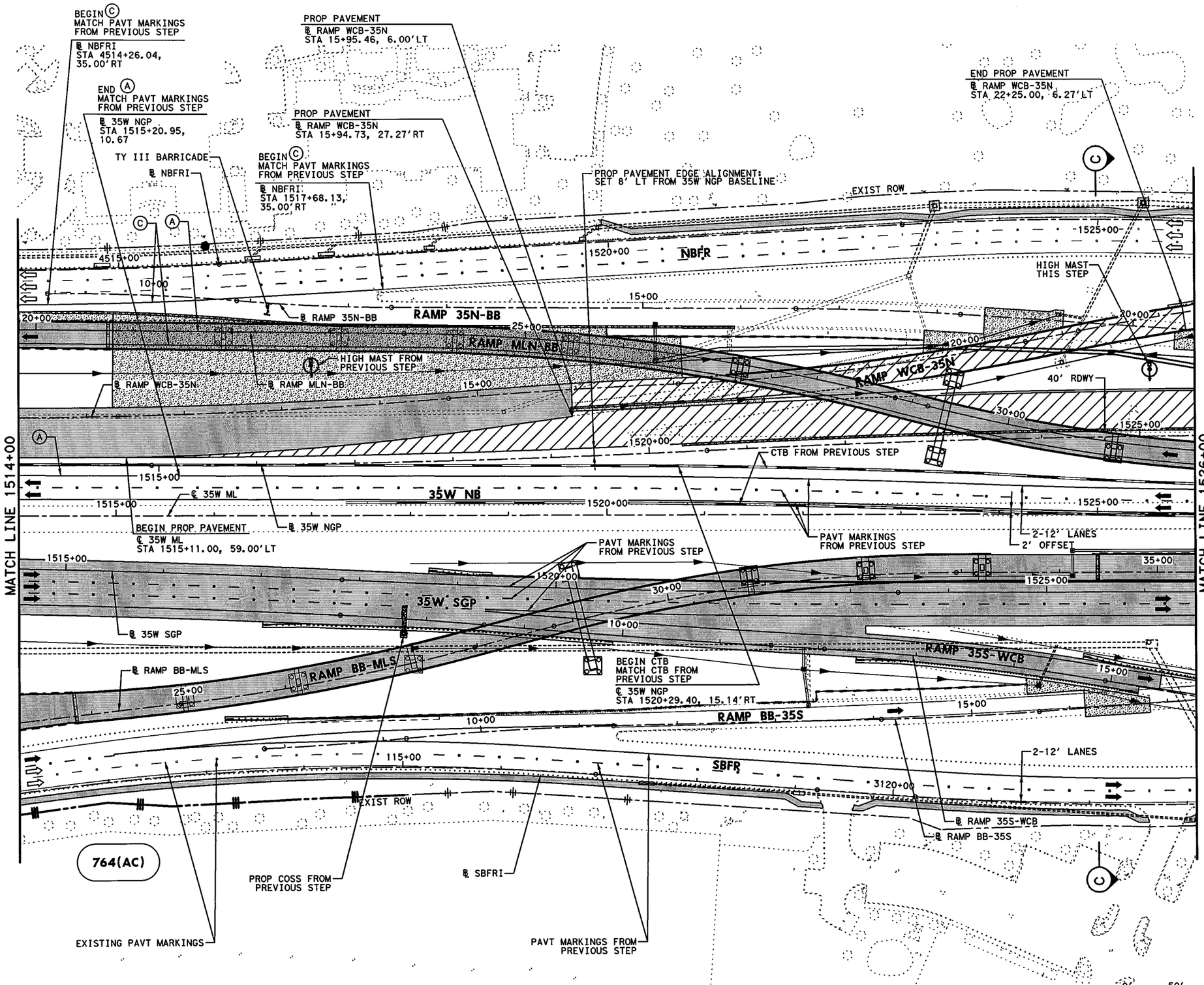
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 4 STEP 2

SCALE 1" = 100' SHEET 12 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 574 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP42_12.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:
1. DETOUR TRAFFIC FOR RAMP WCB-35N. SEE OFF-SITE DETOUR SHEET FOR DETAILS.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

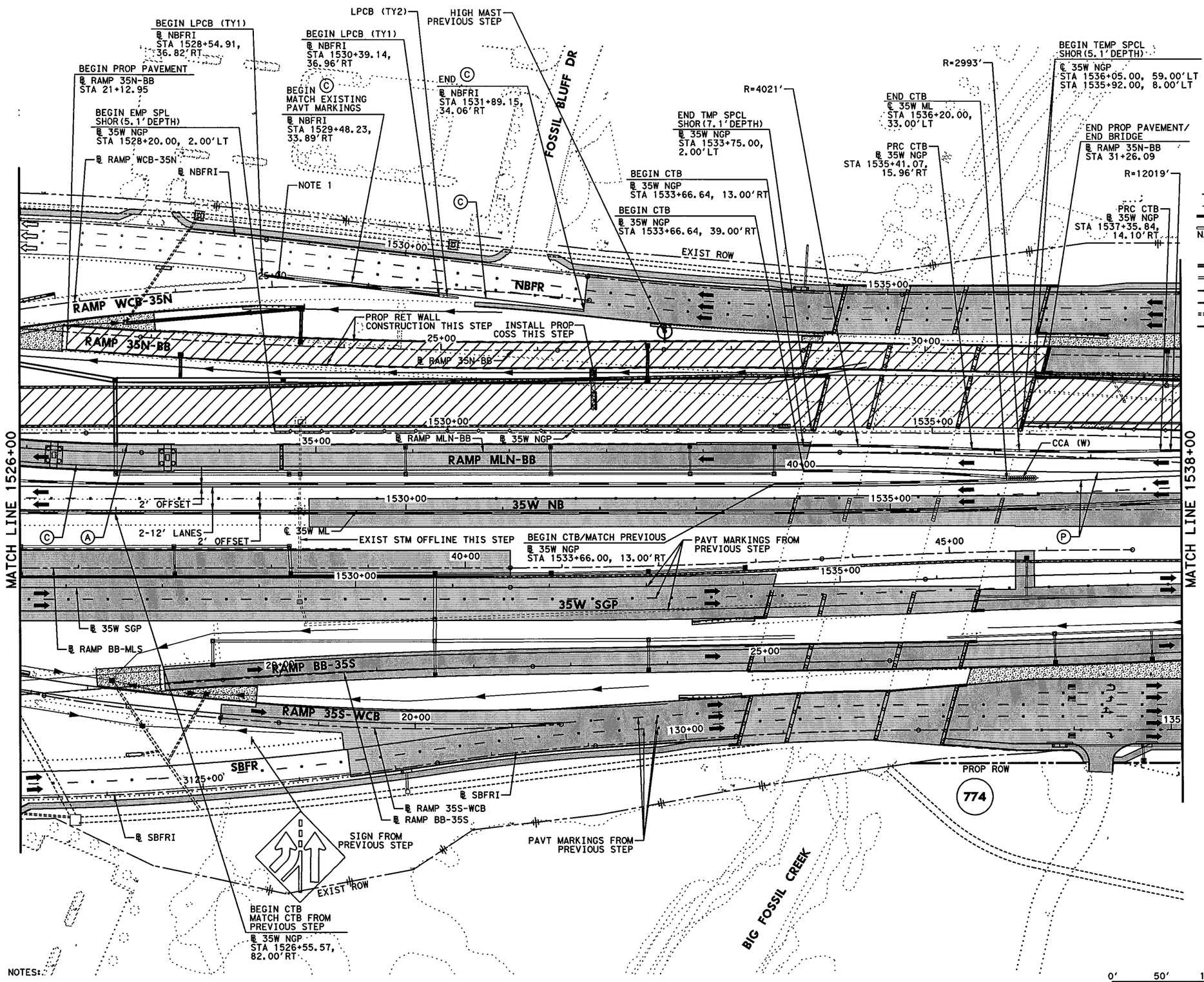
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 13 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 575 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP42_13.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. DETOUR TRAFFIC FOR RAMP WCB-35N. SEE OFF-SITE DETOUR SHEET FOR DETAILS.
2. USE PROPOSED RAMP MLN-BB AS 35N-BB TO EXIT TO BASSWOOD BLVD.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

Texas Department of Transportation
© 2012

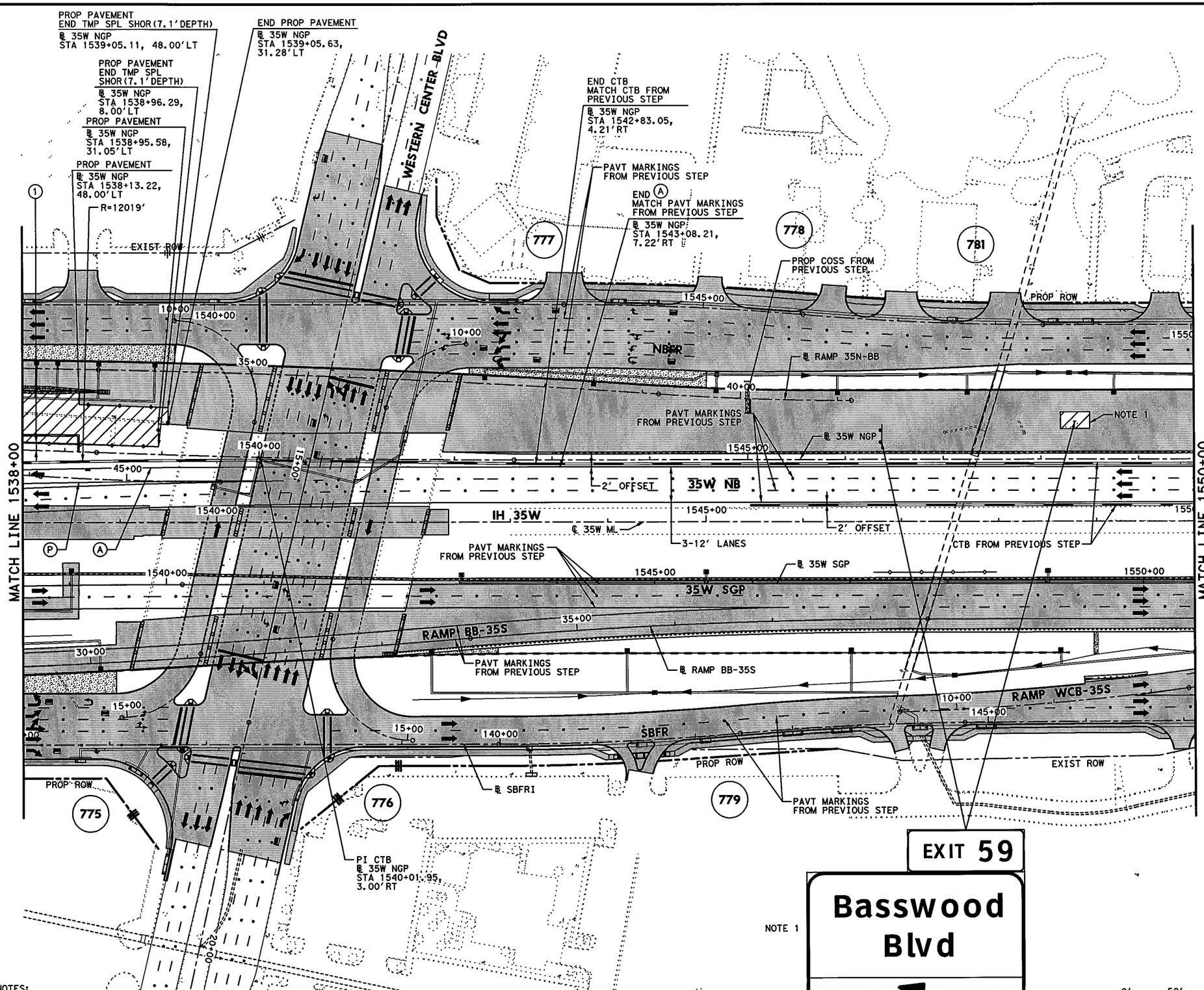
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 14 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 576 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF / SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP42_14.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. CONSTRUCTION OF PAVEMENT LEAVE OUT. EXISTING GUIDE SIGN TO BE MAINTAINED TO DIRECT TRAFFIC TO BASSWOOD VIA RAMP MLS-BB IN THIS STEP.
2. USE PROPOSED RAMP MLN-BB AS 35N-BB TO EXIT TO BASSWOOD BLVD.

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

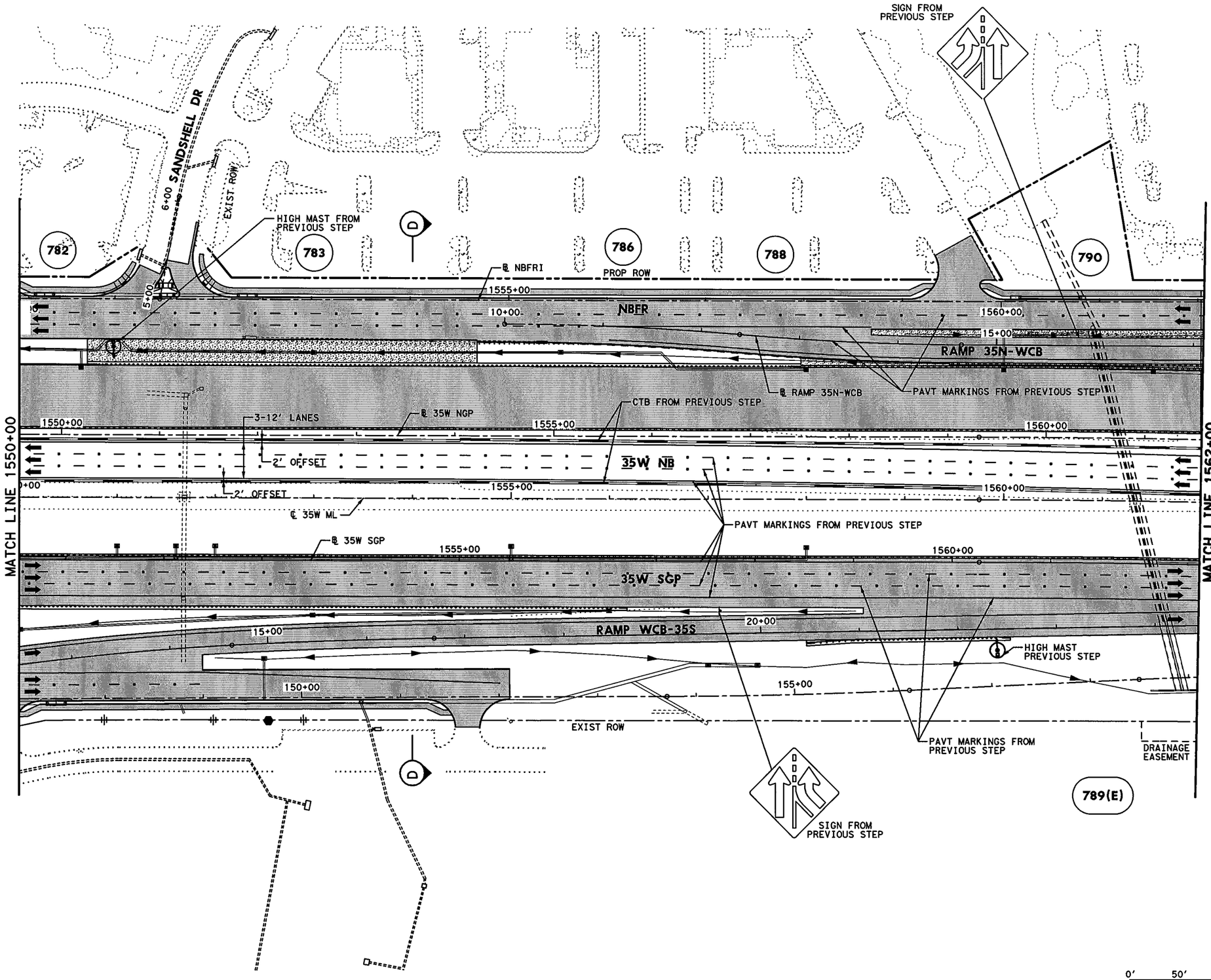
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 15 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 577 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP42_15.dgn
DRAWING DATE: 7/30/2012




0' 50' 100'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**

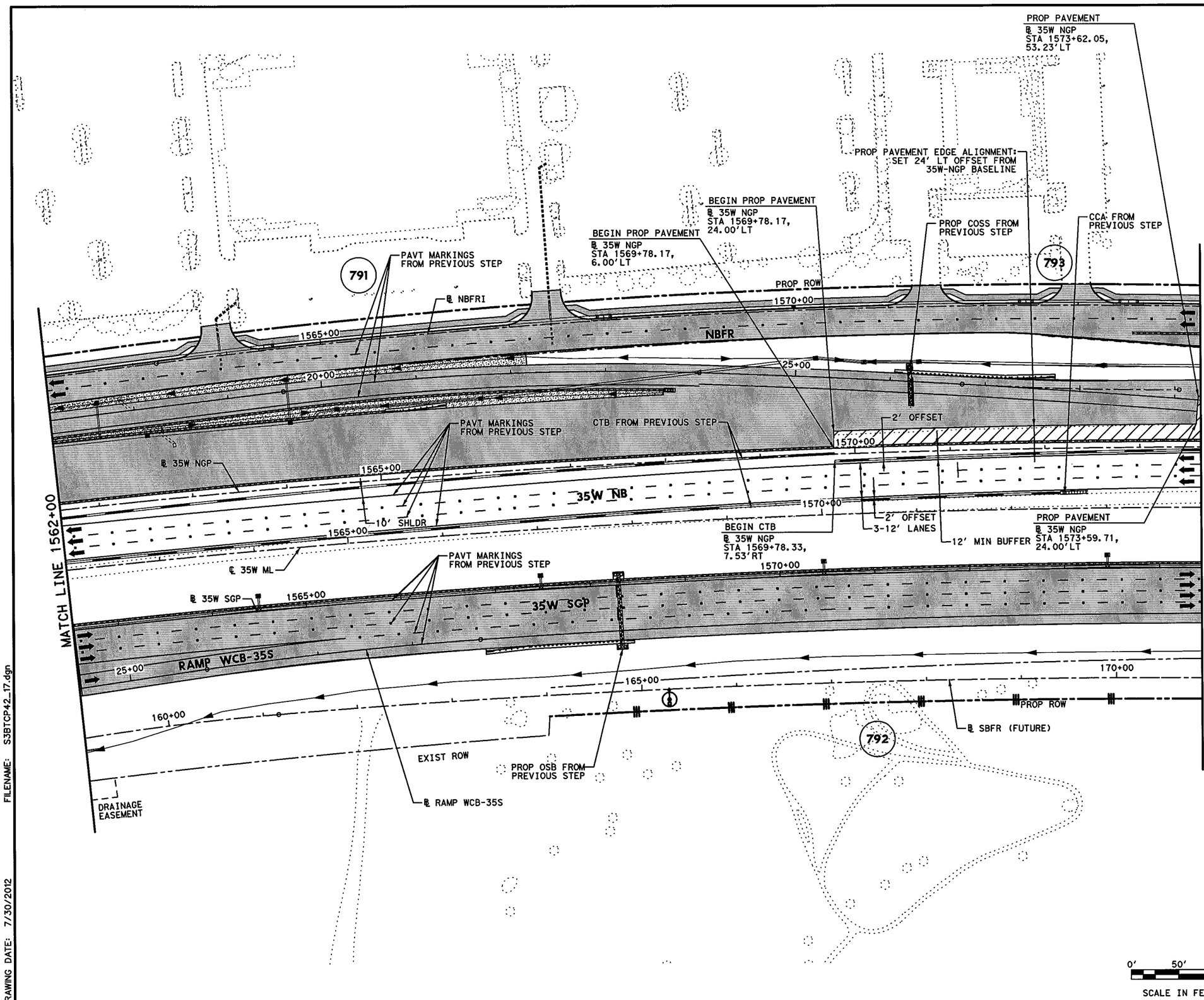
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 16 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 578 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP42_16.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

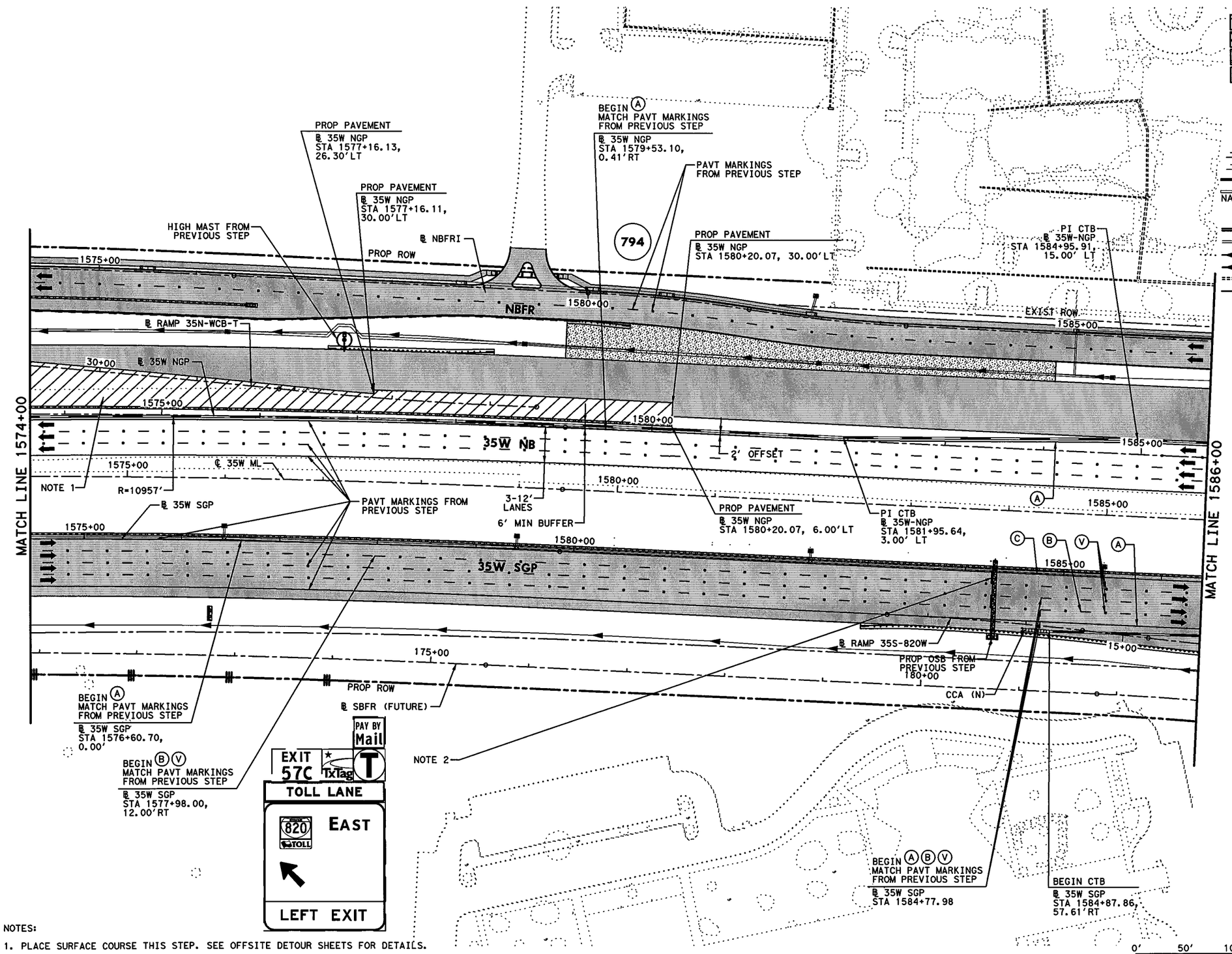
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 4 STEP 2

SCALE 1" = 100' SHEET 17 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 579 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP42_17.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

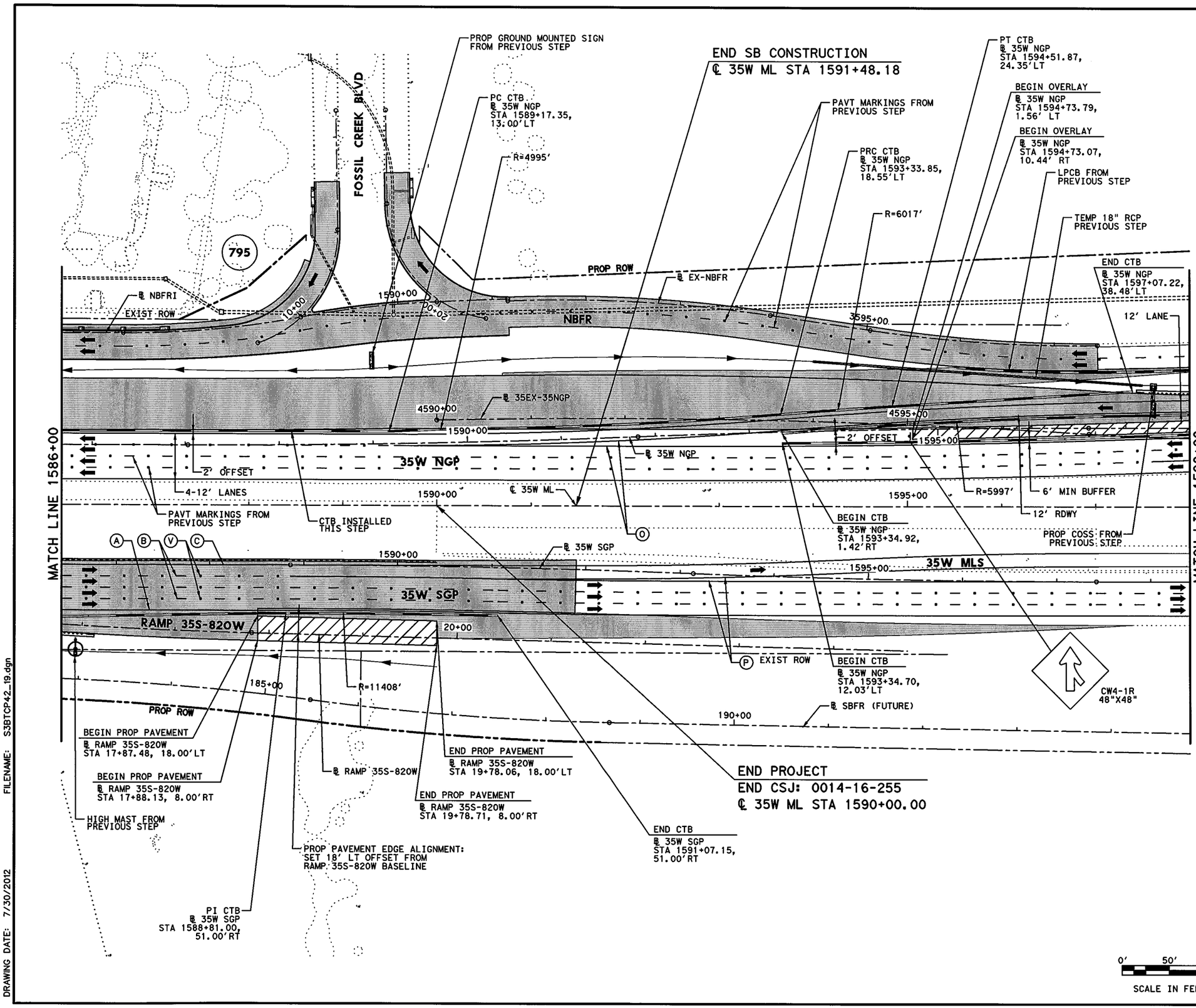
**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100'
SHEET 18 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 580 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

NOTES:
1. PLACE SURFACE COURSE THIS STEP. SEE OFFSITE DETOUR SHEETS FOR DETAILS.
2. RELOCATE EXISTING TOLL GUIDE SIGN PANEL THAT WAS AT PROPOSED OSB AT STA 1579+80 ℄ 35W ML IN PREVIOUS STEP TO PROPOSED OSB AT STA 1584+90 ℄ 35W ML.
3. DETOUR RAMP 35N-WCB TRAFFIC VIA PROPOSED RAMP MLN-BB AND BASSWOOD BLVD U-TURN.

FILENAME: S3BTCP42_18.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

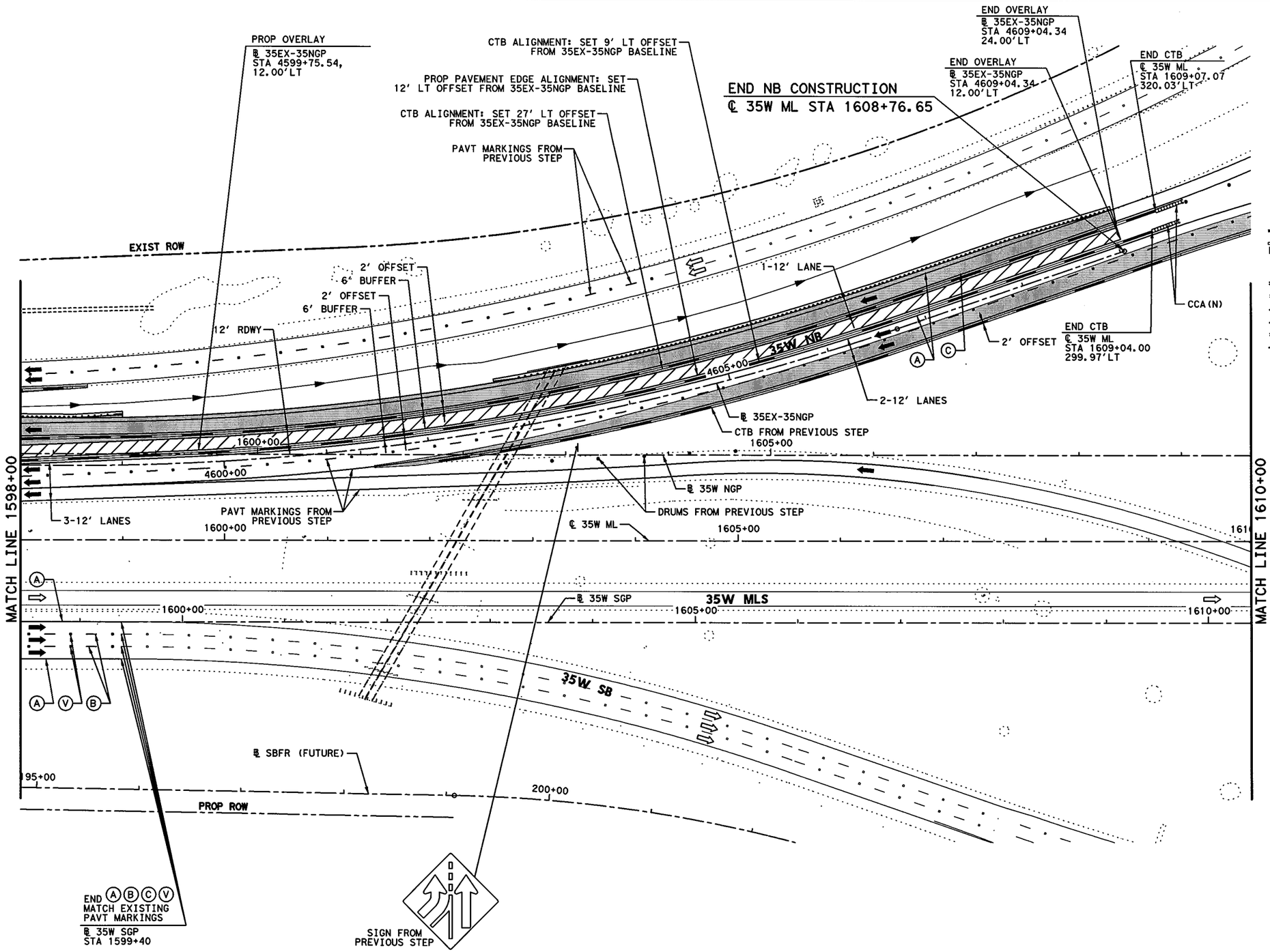
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 19 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 581 |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP42_19.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

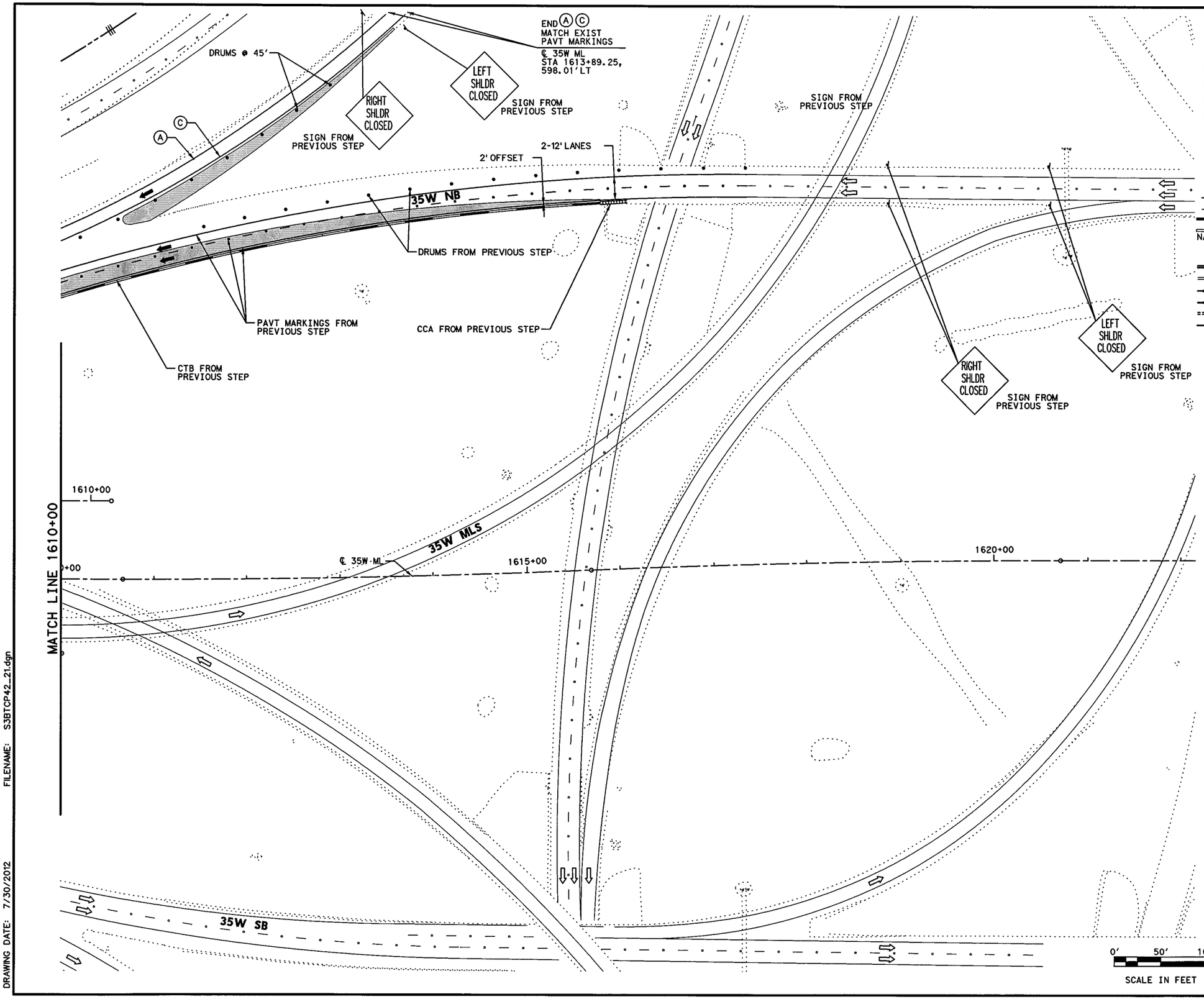
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 20 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 582 |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP42_20.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

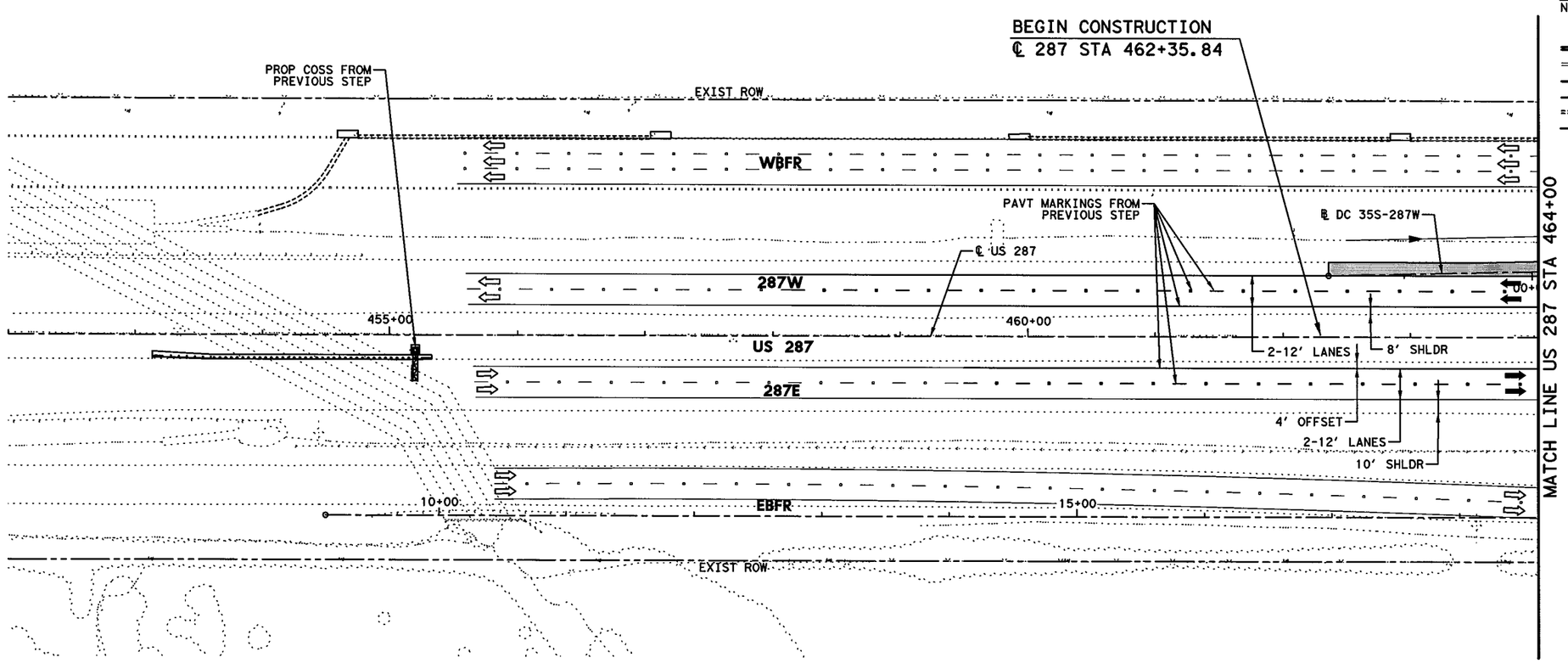
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 21 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 583 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP42_21.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

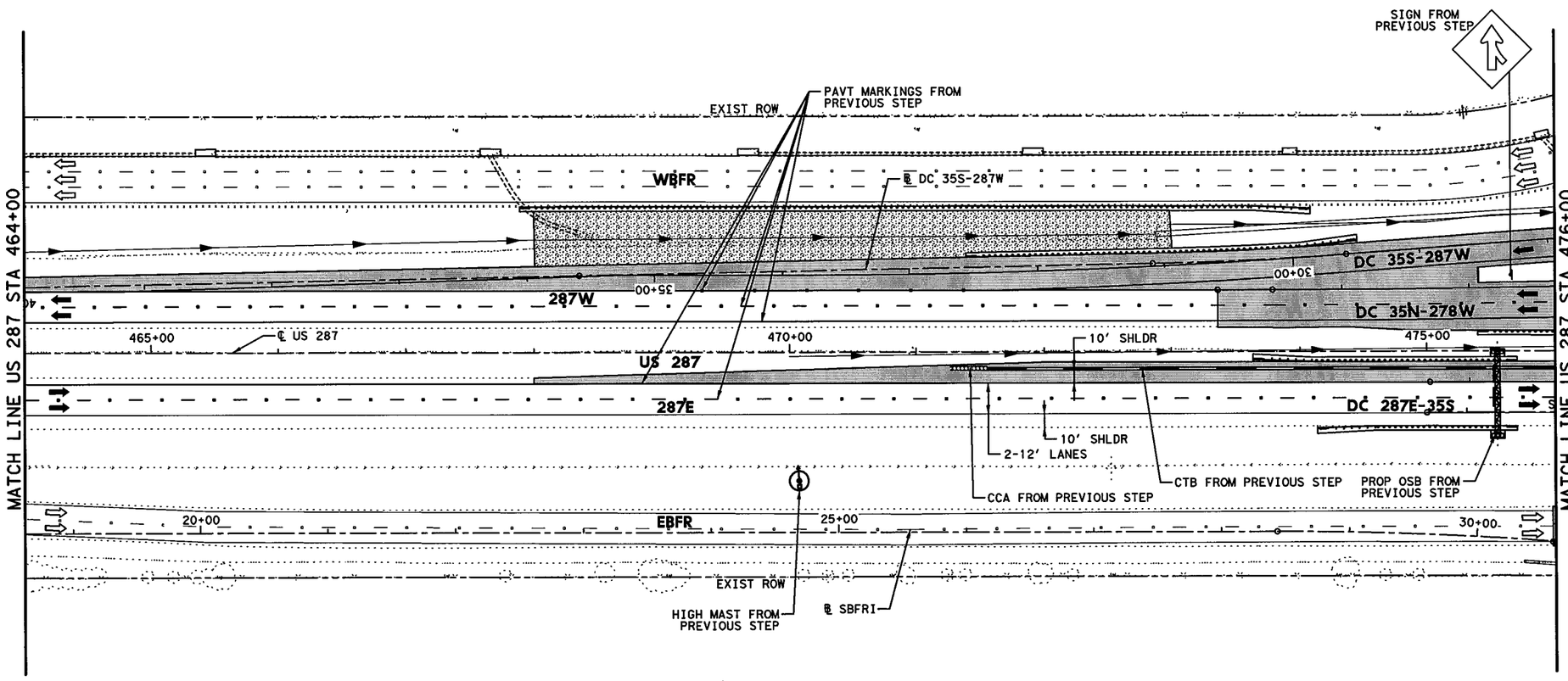
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 22 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 584 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP42_22.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

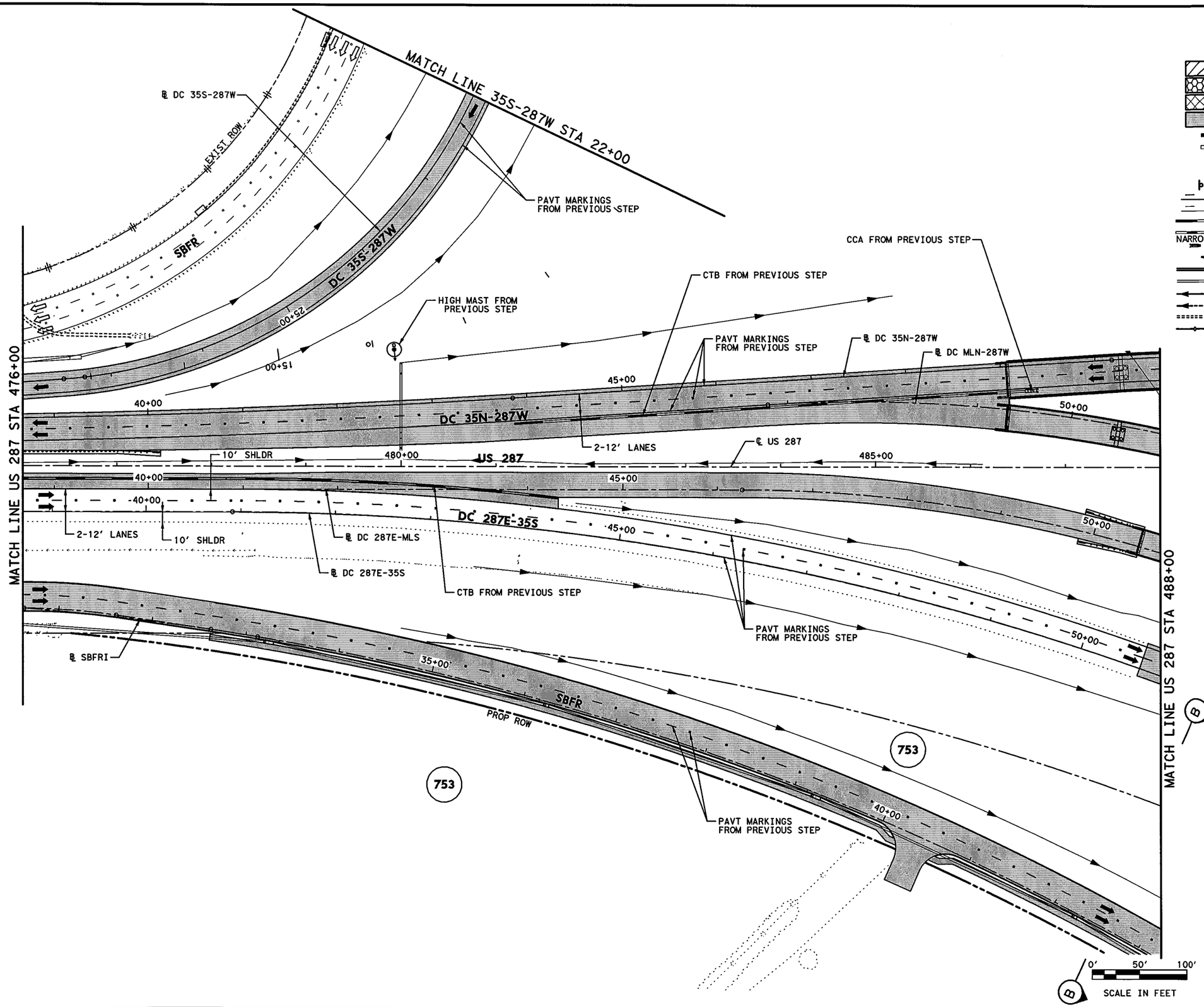
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
## PHASE 4 STEP 2

SCALE 1" = 100' SHEET 23 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 585 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP42_23.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

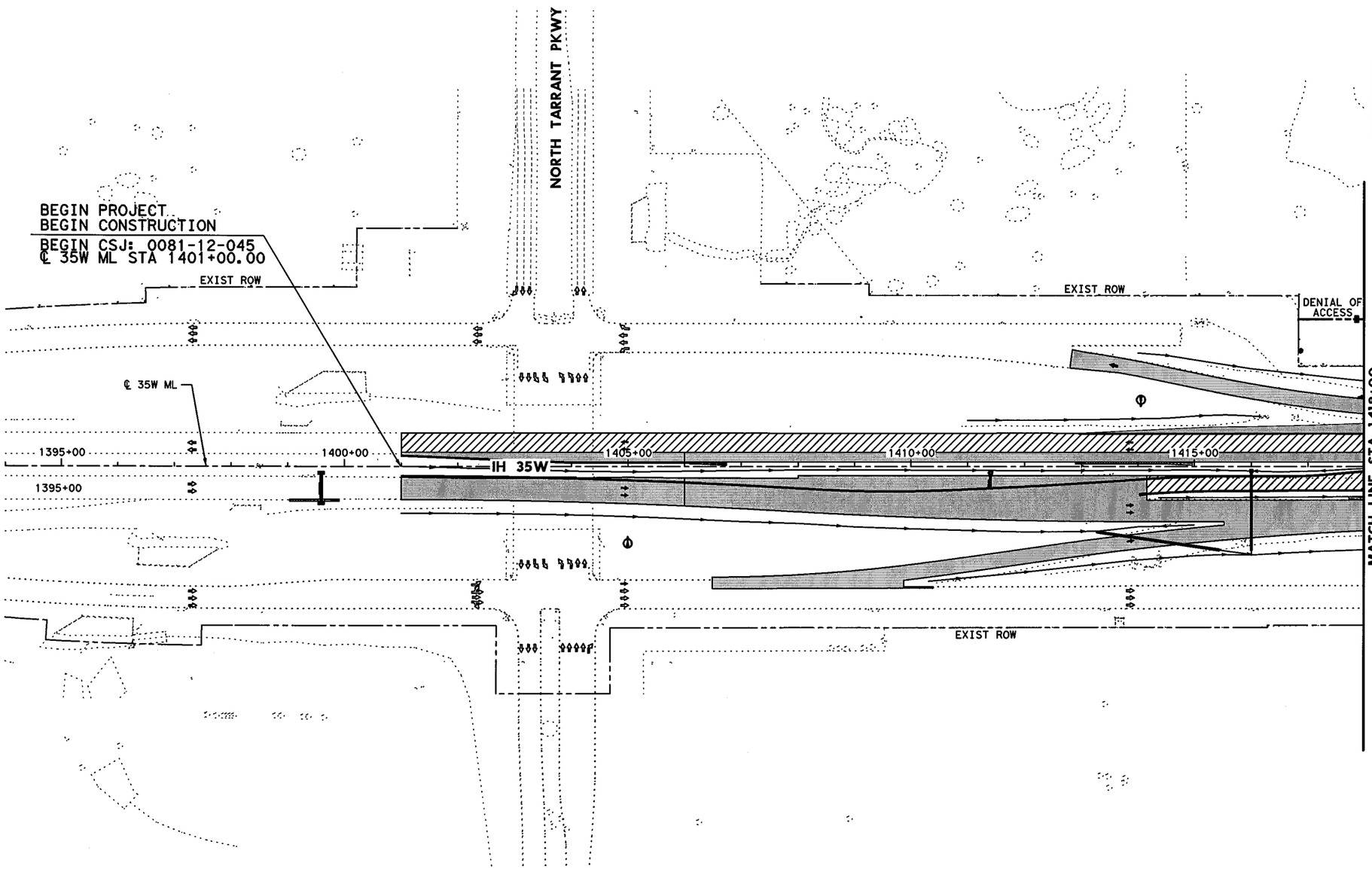
**TRAFFIC CONTROL PLAN**

**PHASE 4 STEP 2**

SCALE 1" = 100' SHEET 24 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 586 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCP42_24.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 5
## BEGIN PROJECT TO STA 1418+00

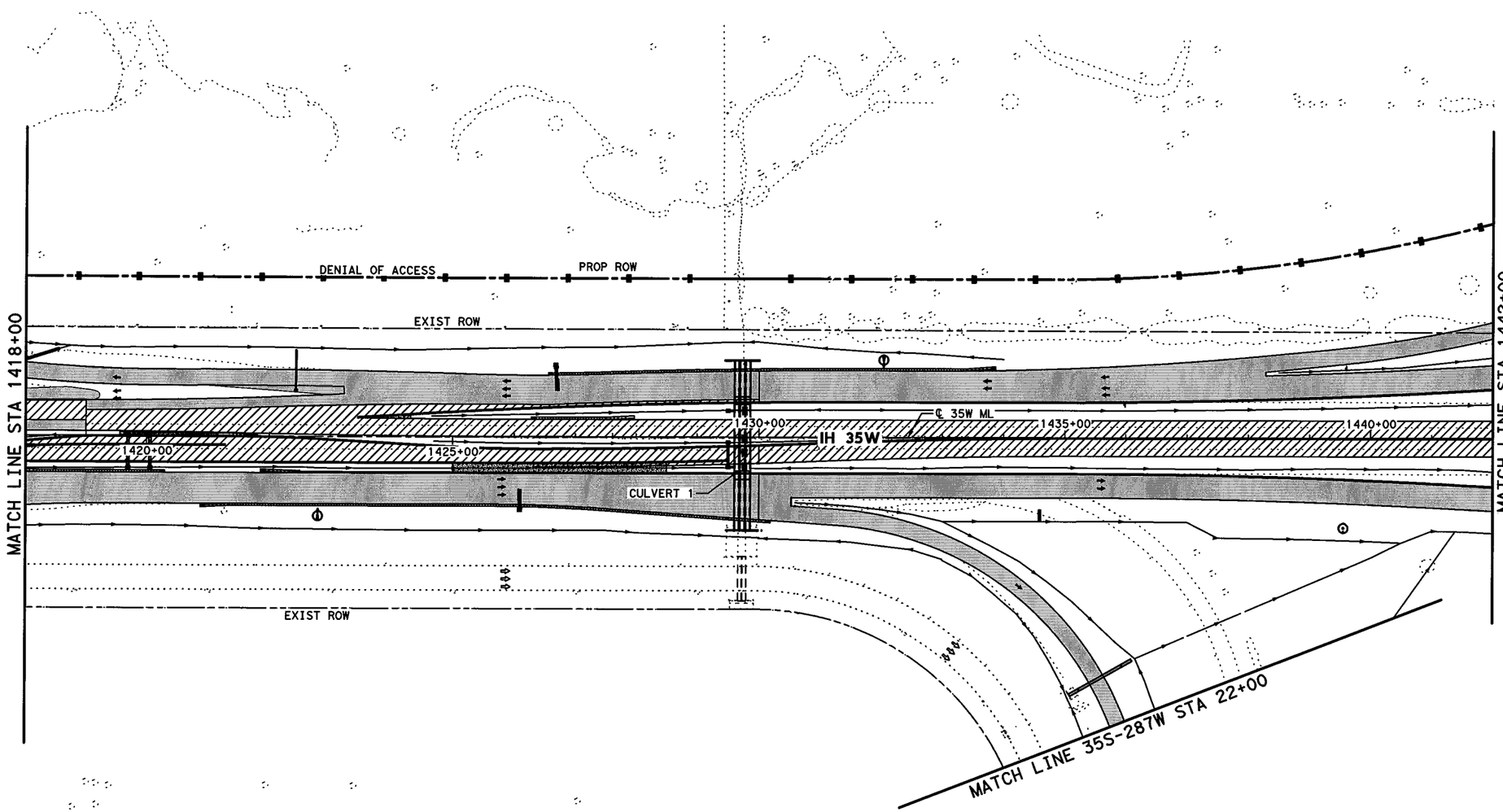
SCALE: 1" = 200'

SHEET 1 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 587 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL51_01.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 5**

**STA 1418+00 TO STA 1442+00**

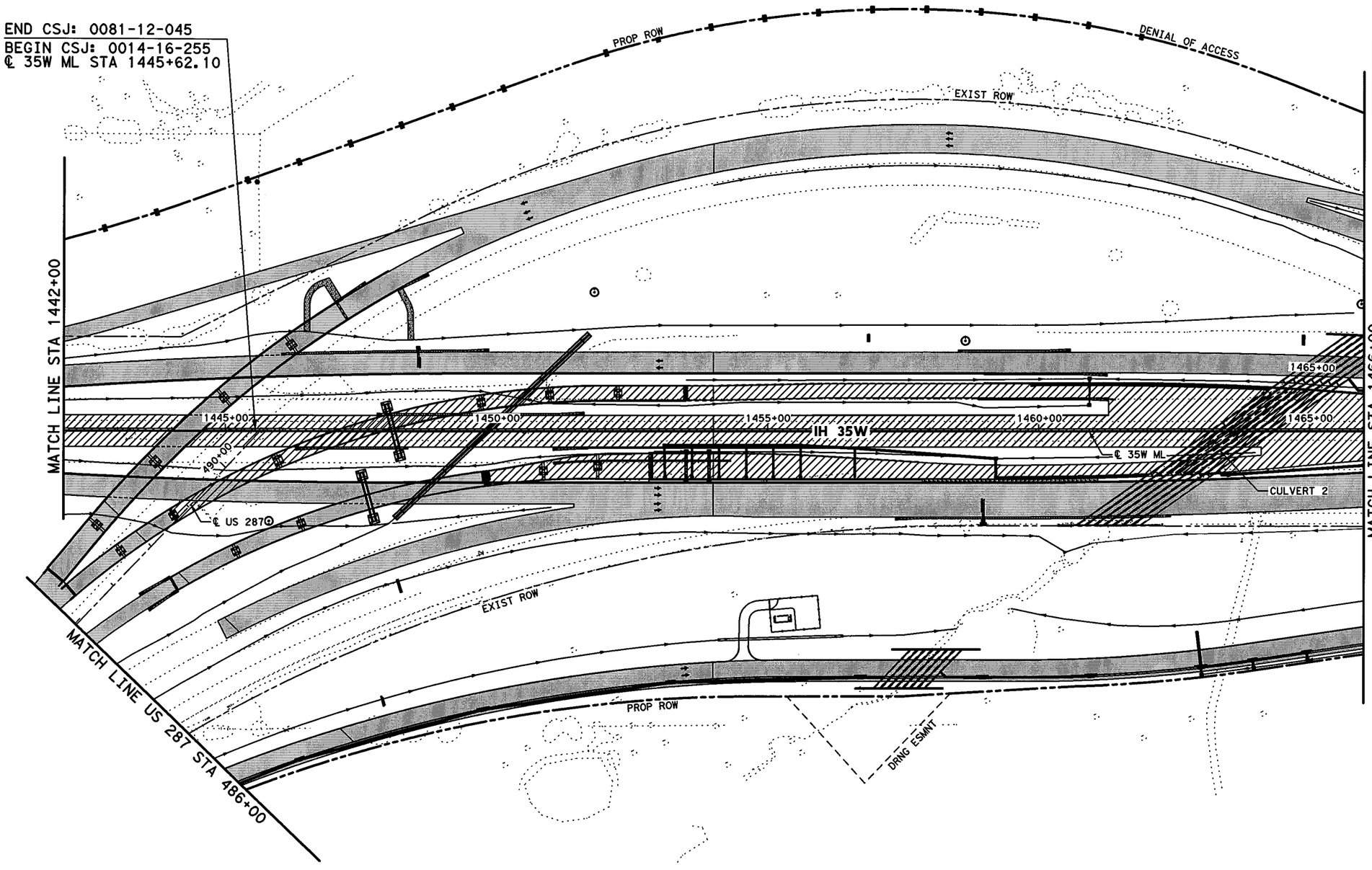
SCALE: 1" = 200' SHEET 2 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK PJF | CONTROL | SECTION | JOB | 588 |
| CHECK SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL51_02.dgn

DRAWING DATE: 7/30/2012

END CSJ: 0081-12-045
BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




0' 50' 100' 200'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

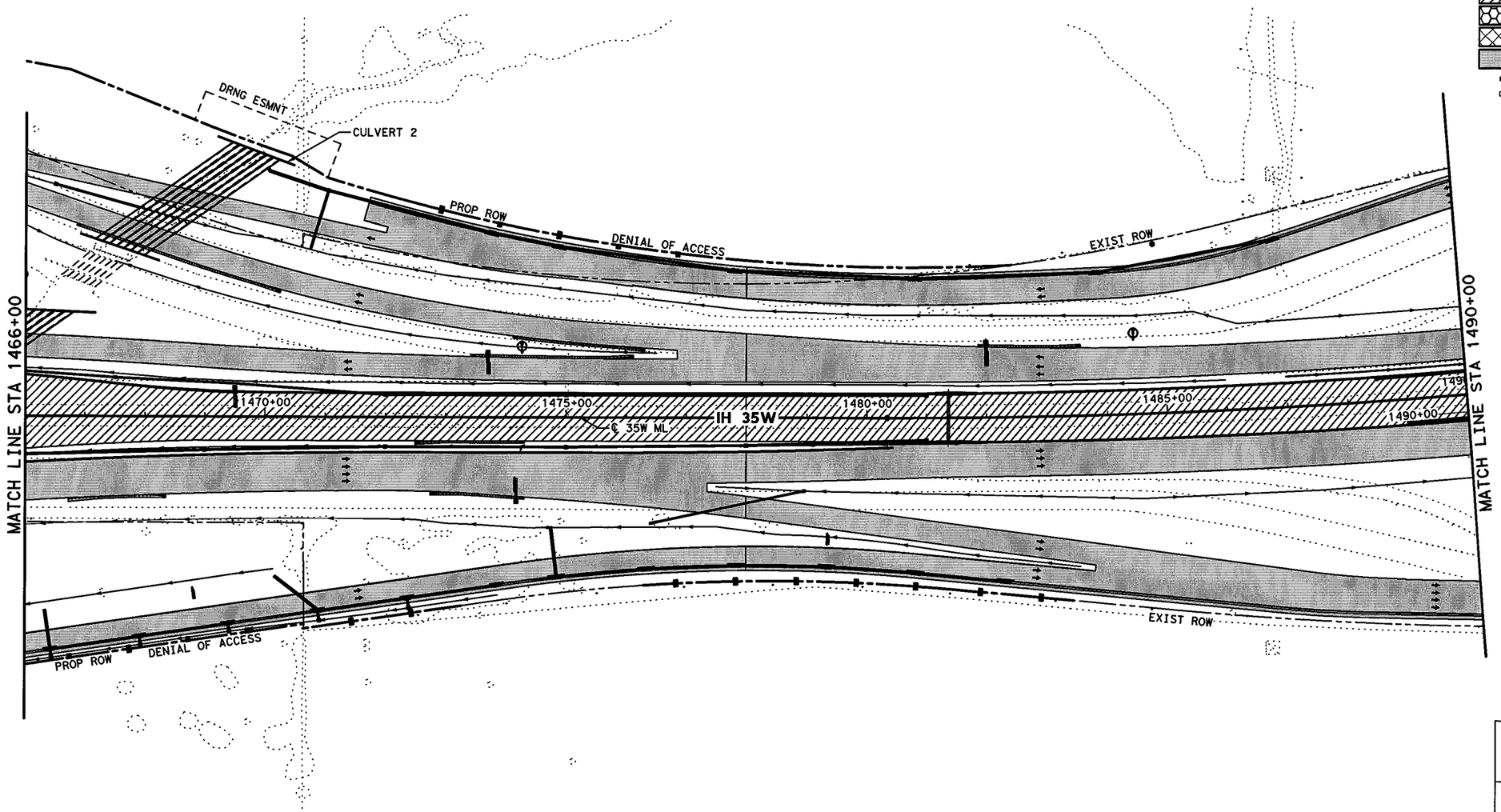
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 5
## STA 1442+00 TO STA 1466+00

SCALE: 1" = 200'
SHEET 3 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 589 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL51_03.dgn
DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 5
## STA 1466+00 TO STA 1490+00

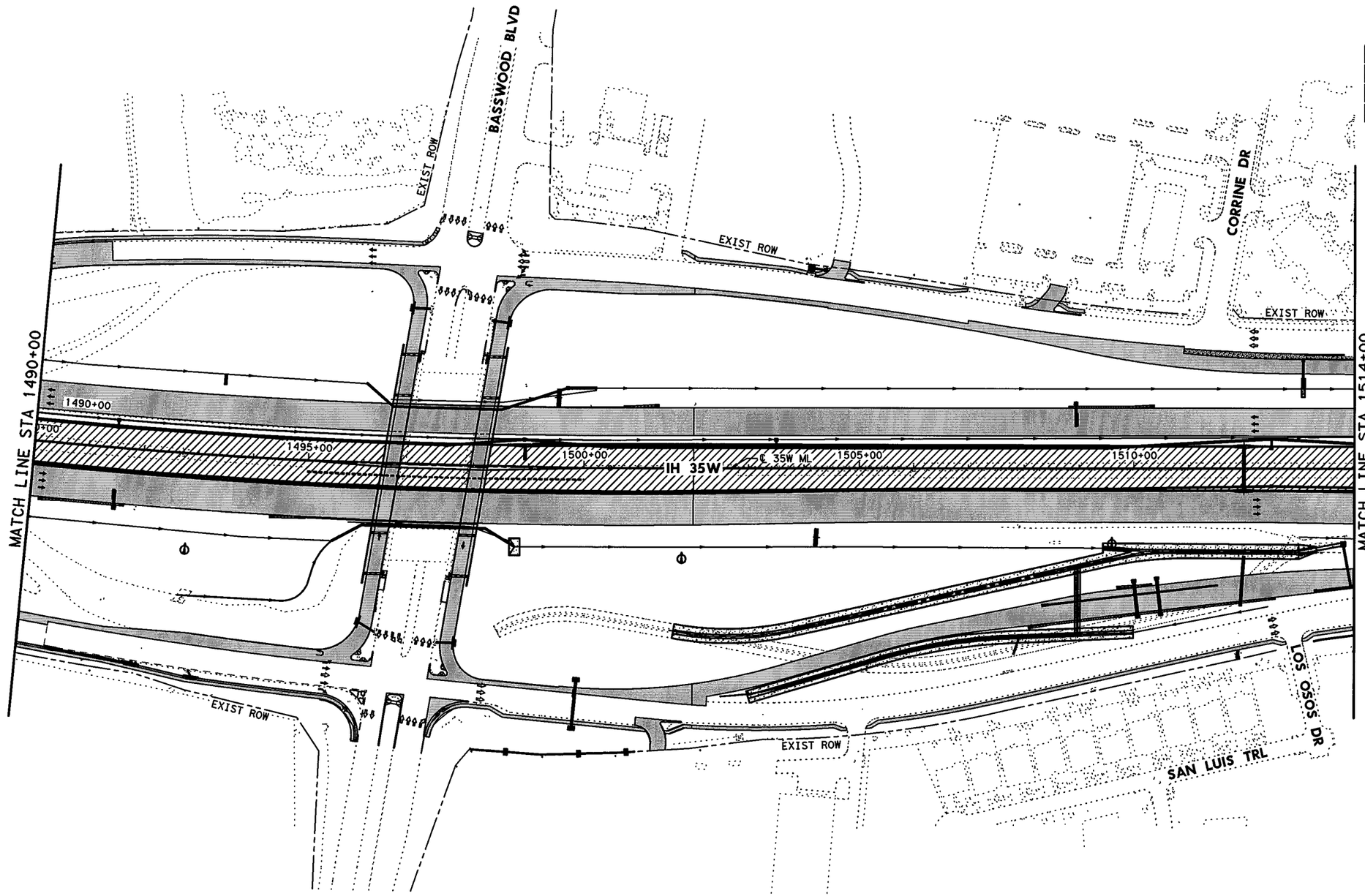
SCALE: 1" = 200'

SHEET 4 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 590 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL51_04.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

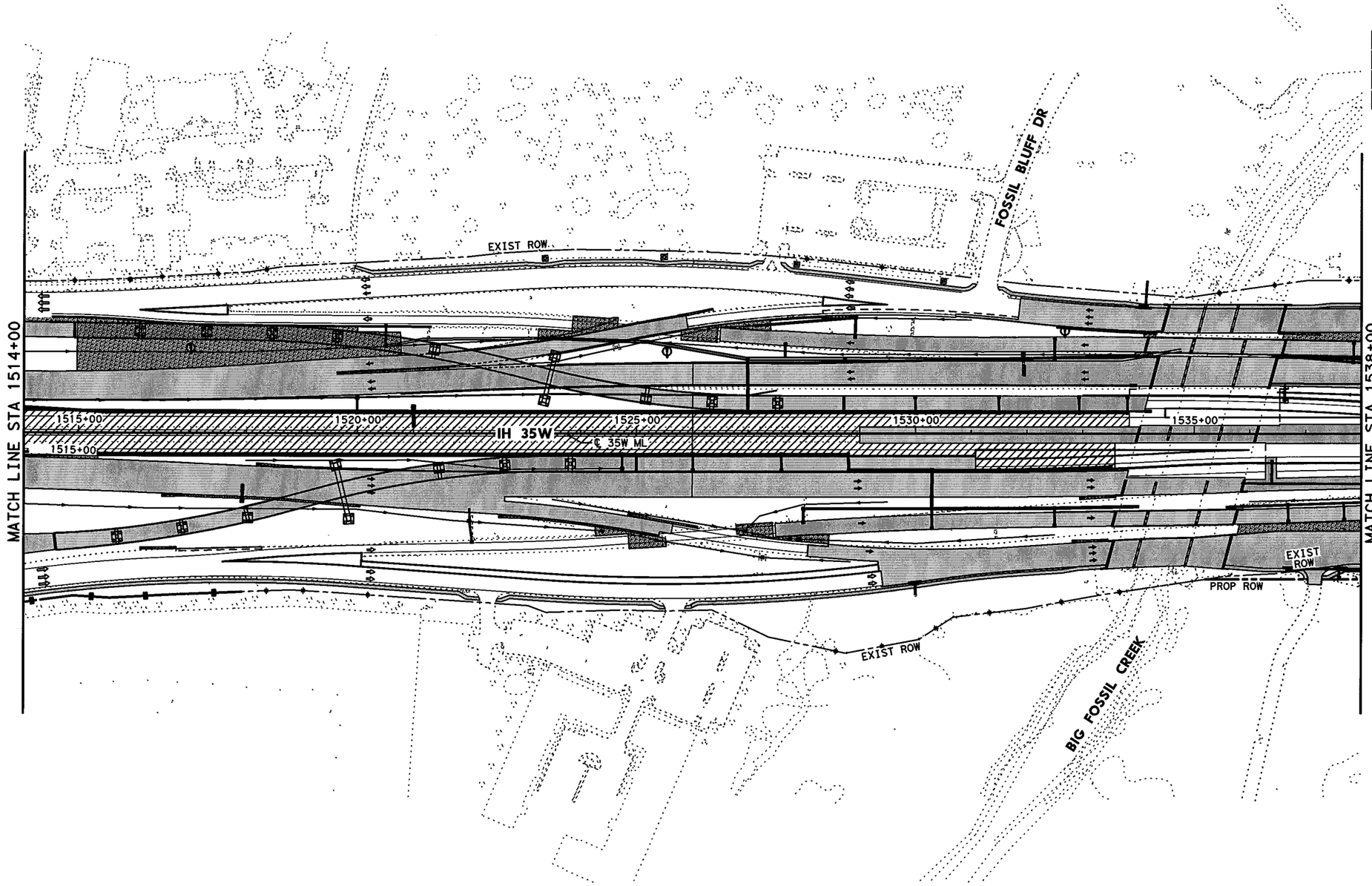
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 5
## STA 1490+00 TO STA 1514+00

SCALE: 1" = 200' SHEET 5 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 591 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCL51_05.dgn




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/20/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT
## PHASE 5
## STA 1514+00 TO STA 1538+00

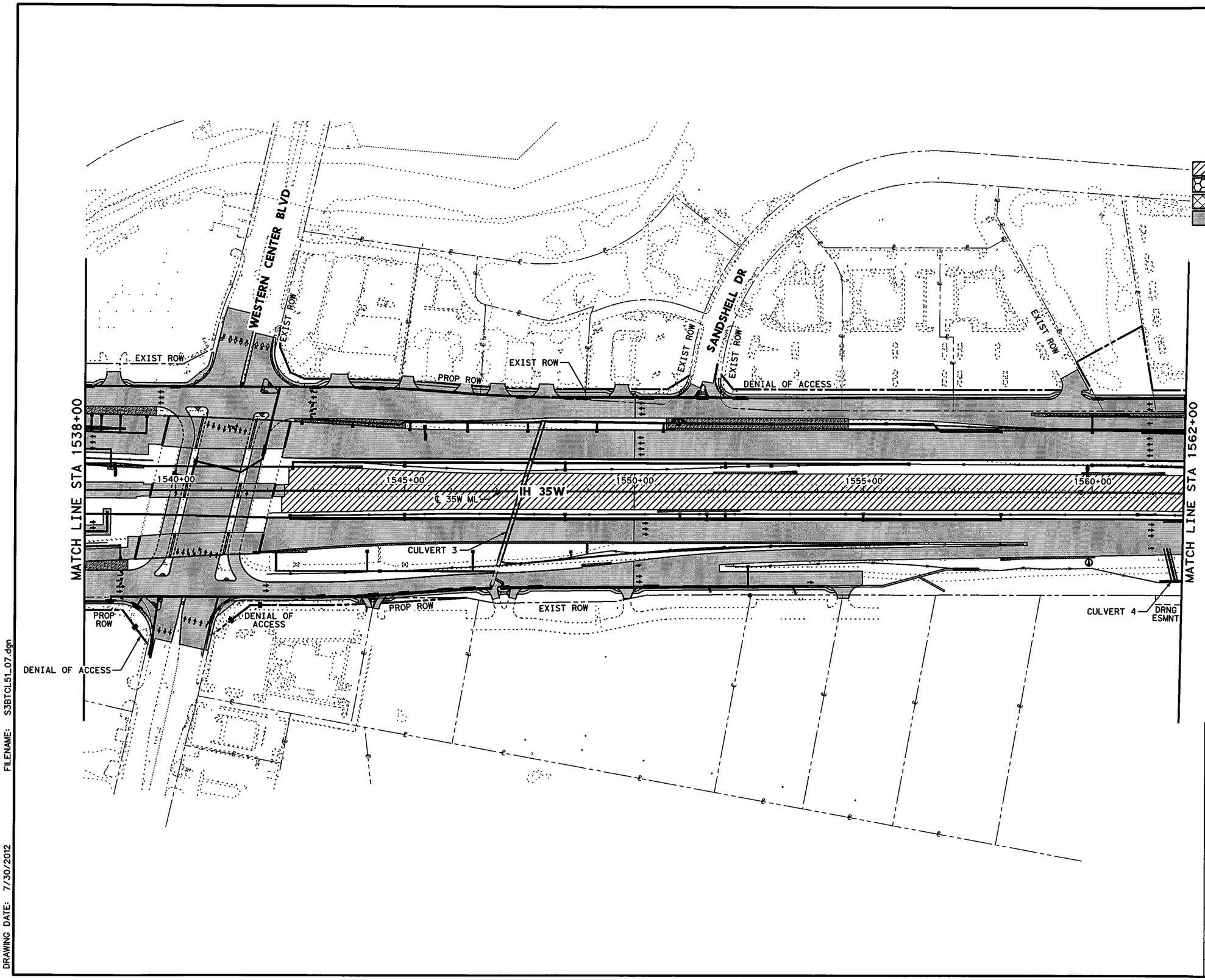
SCALE: 1" = 200'

SHEET 6 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 592 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCL51_06.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

**I. S. ENGINEERS, LLC**

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## CONSTRUCTION SEQUENCE LAYOUT

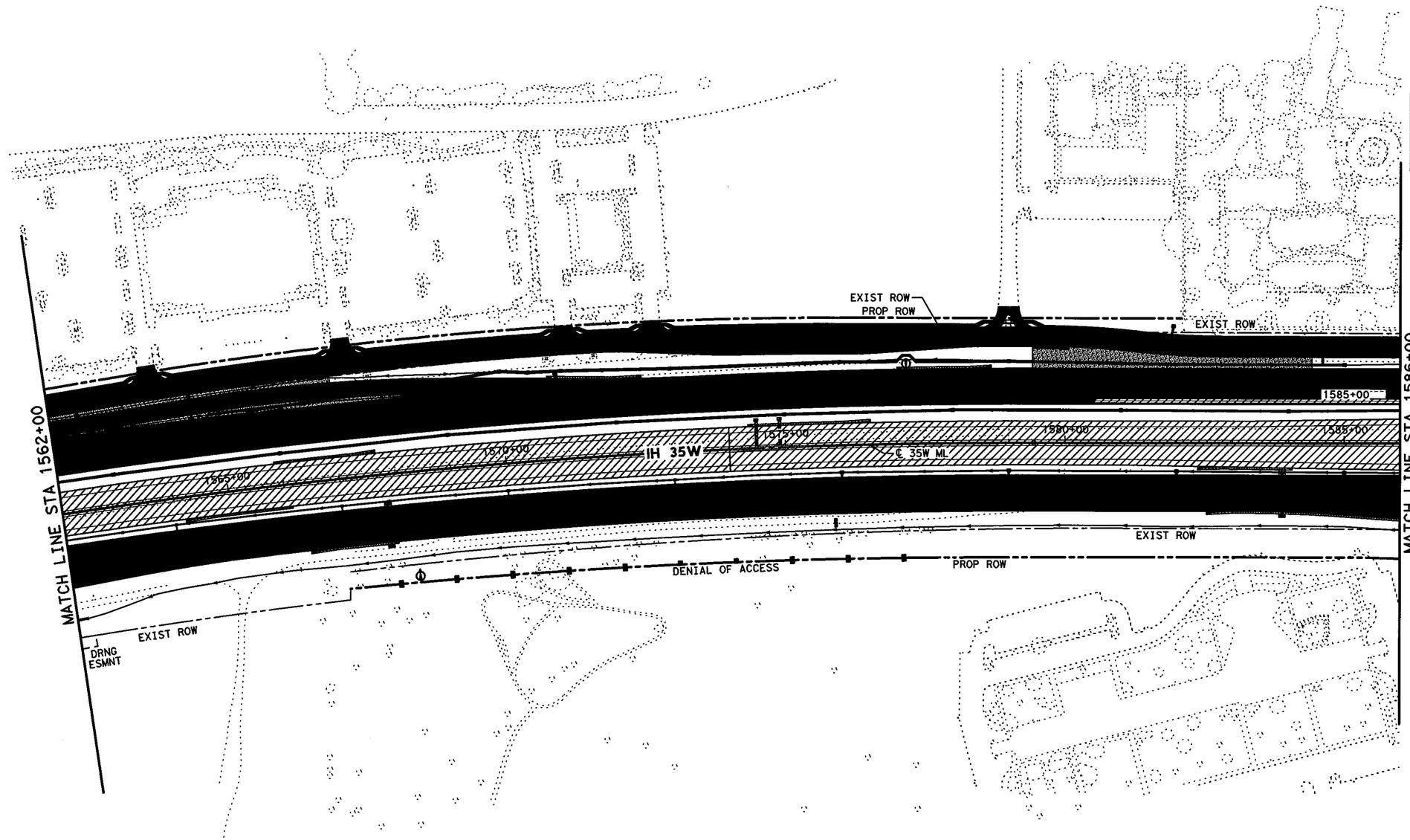
## PHASE 5

## STA 1538+00 TO STA 1562+00

SCALE: 1" = 200'

SHEET 7 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 593 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 5**

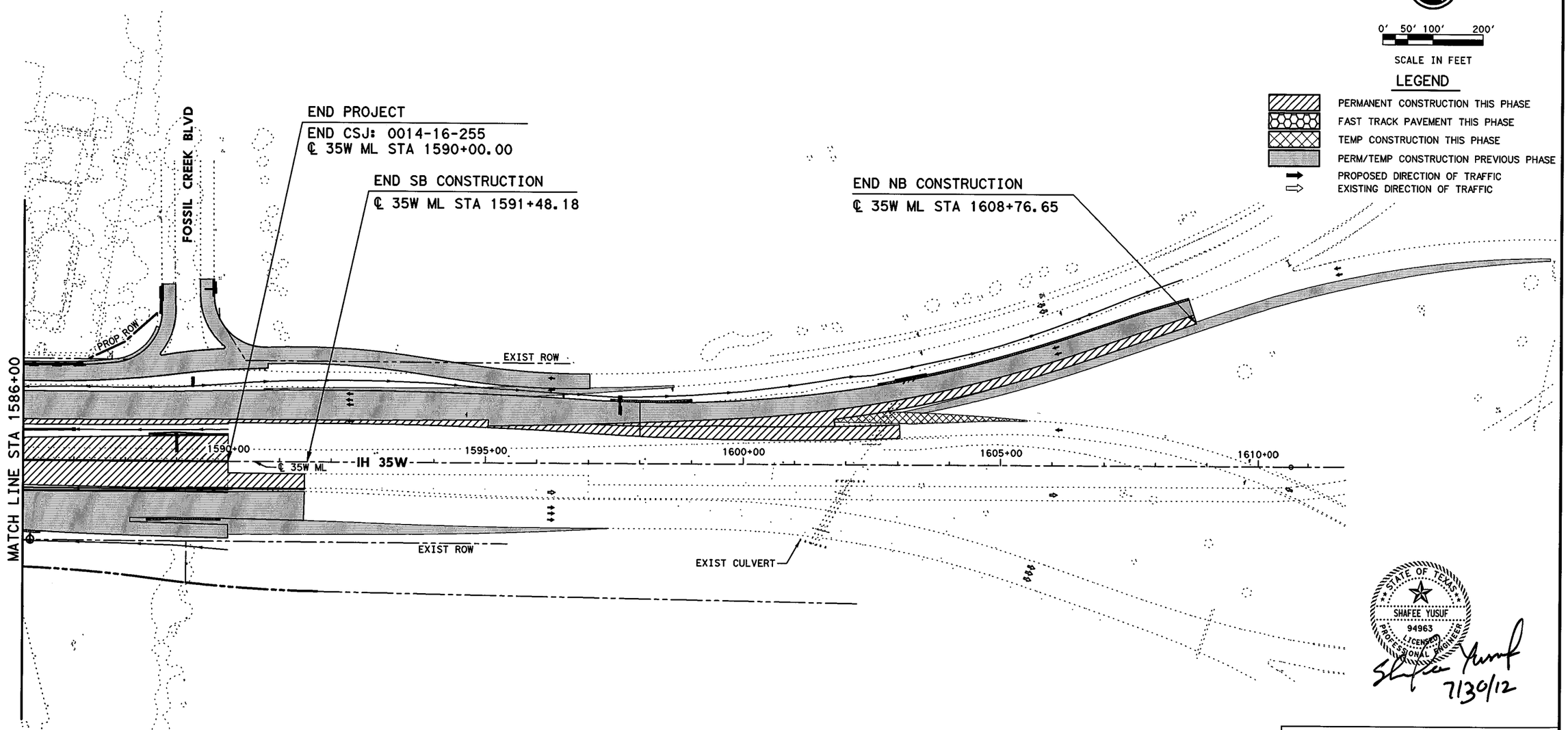
**STA 1562+00 TO STA 1586+00**

SCALE: 1" = 200' SHEET 8 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 594 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCL51_08.dgn

DRAWING DATE: 7/30/2012




STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

Shafee Yusuf
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE LAYOUT**

**PHASE 5**

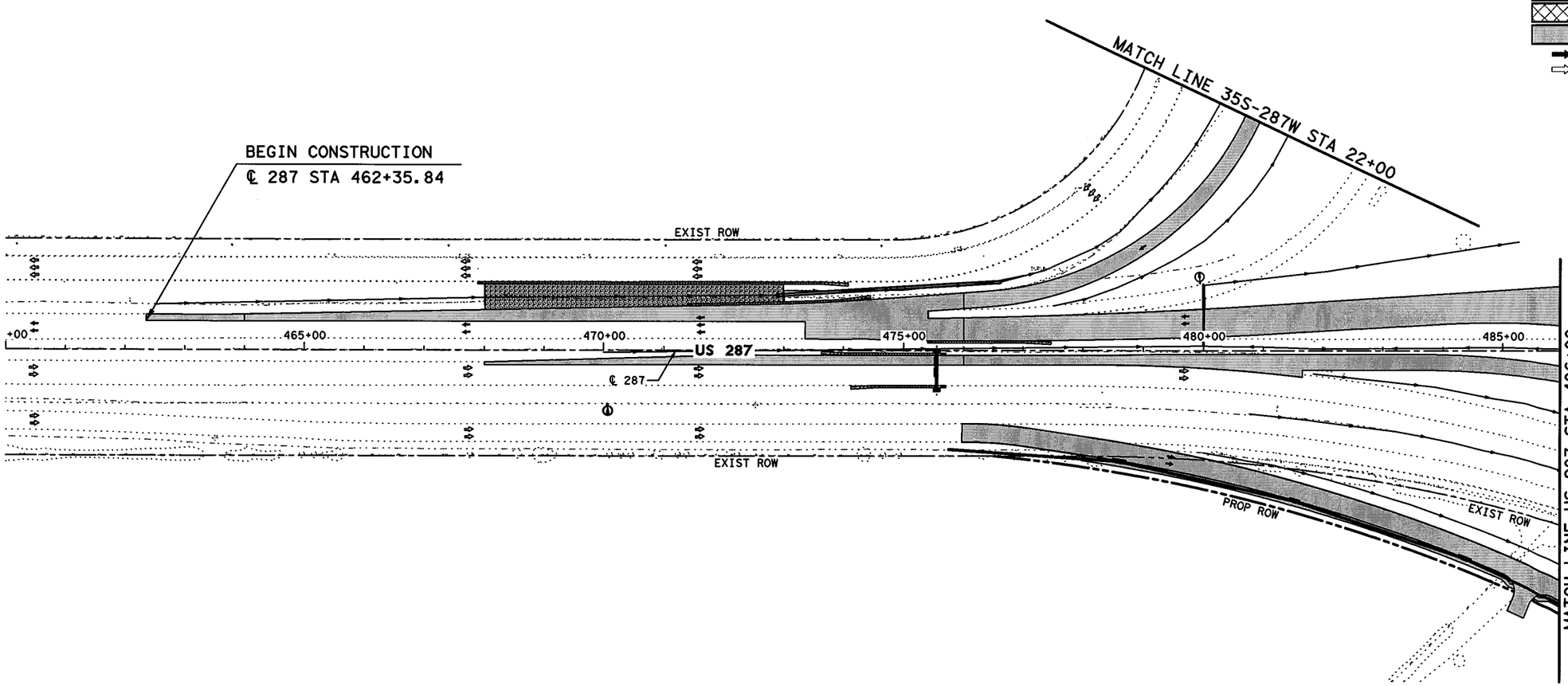
**STA 1586+00 TO END PROJECT**

SCALE: 1" = 200' SHEET 9 OF 10

| DESIGN ZS | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| CHECK PJF | STATE | DISTRICT | COUNTY | SHEET NO. |
| | TEXAS | FTW | TARRANT | |
| CHECK SY | CONTROL | SECTION | JOB | 595 |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCL51_09.dgn

DRAWING DATE: 7/30/2012




0' 50' 100' 200'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# CONSTRUCTION SEQUENCE LAYOUT

## PHASE 5

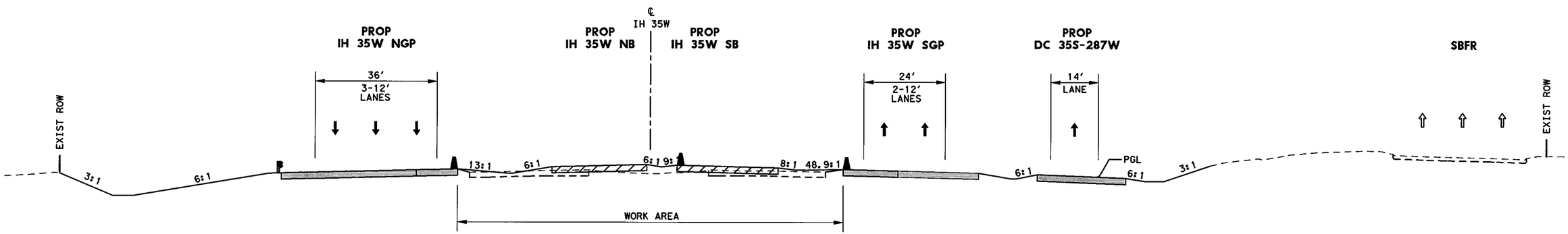
## STA 460+00 TO STA 486+00

SCALE: 1" = 200'

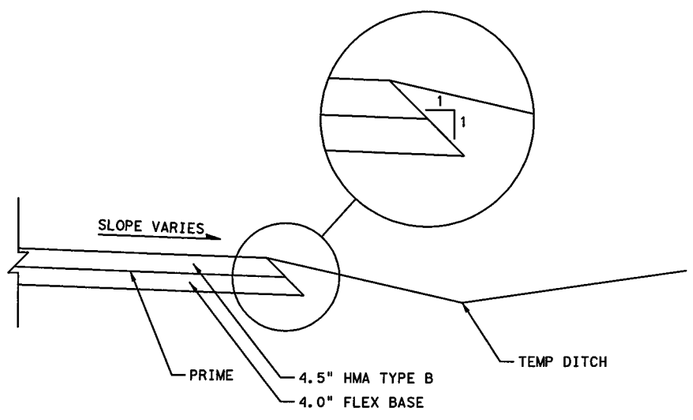
SHEET 10 OF 10

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 596 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCL51_10.dgn




TCP SECTION A-A
STA 1431+00




DETOUR & TEMP WIDENING
TYPICAL SECTION

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

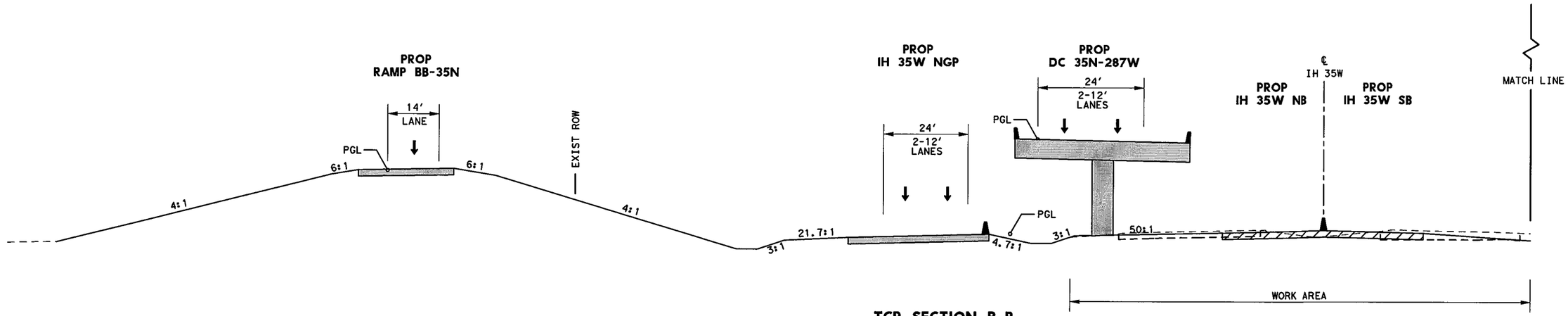
IH 35W FROM NORTH TARRANT PKWY TO IH 820

TCP SECTION
PHASE 5

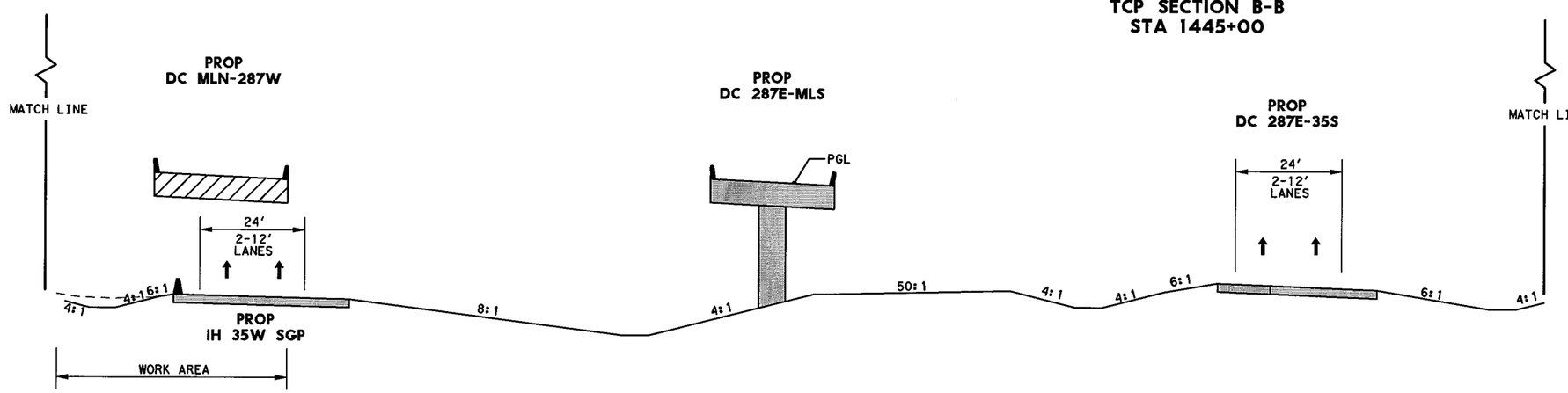
SCALE: NTS
SHEET 1 OF 4

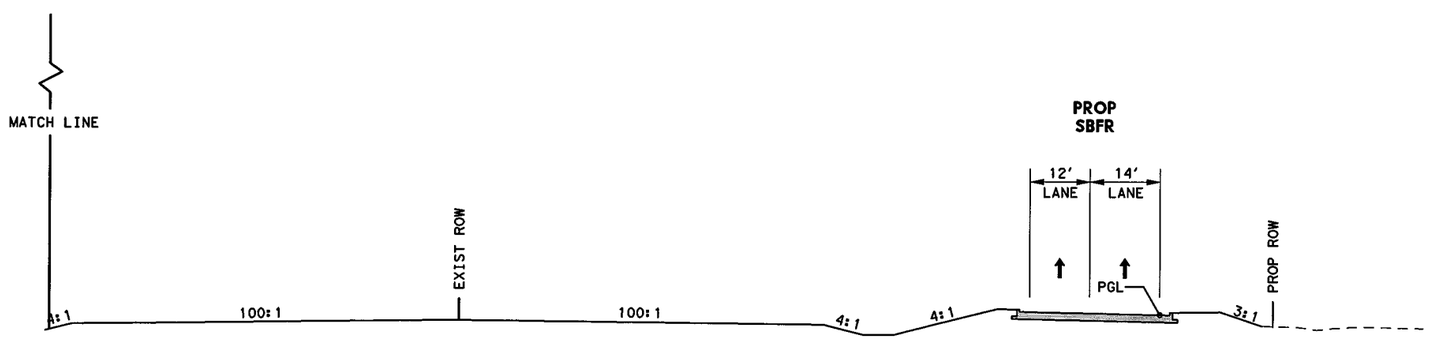
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 597 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT51_01.dgn
DRAWING DATE: 7/30/2012




## TCP SECTION B-B
## STA 1445+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 5**

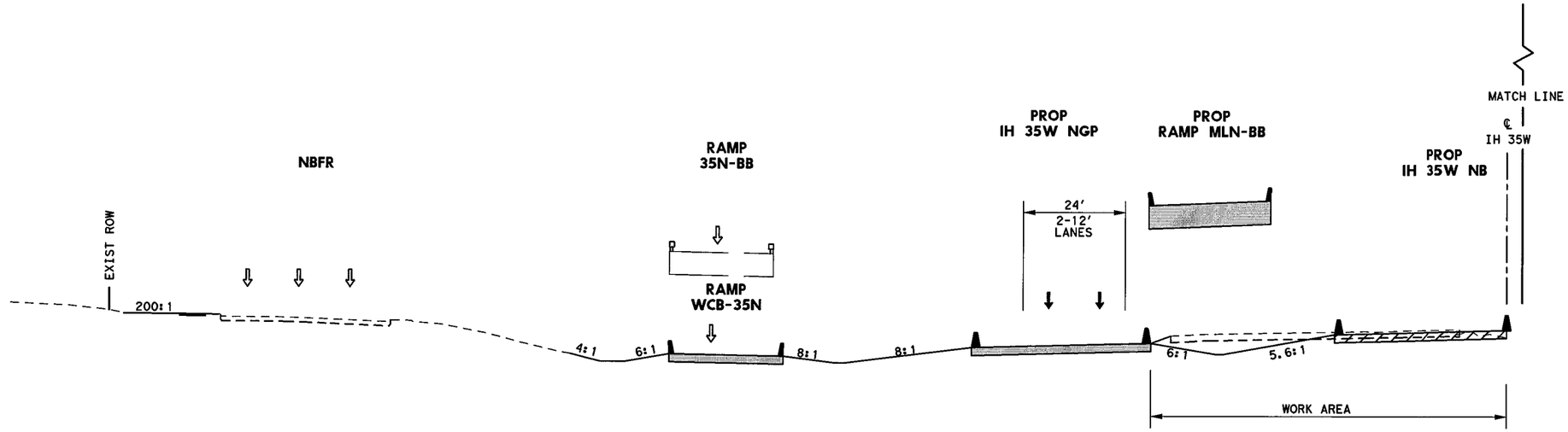
SCALE: NTS

SHEET 2 OF 4

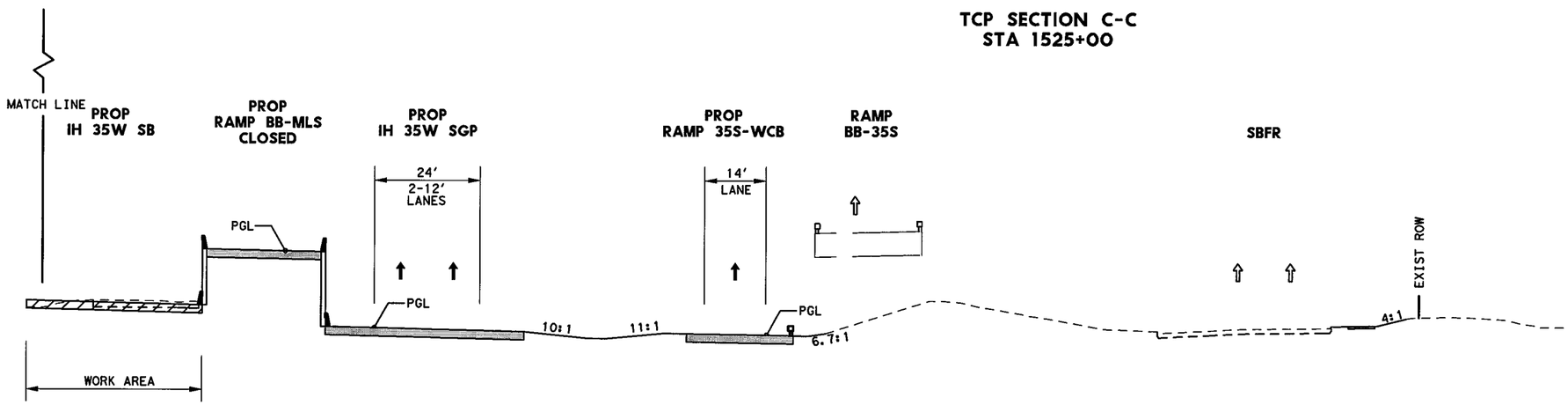
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 598 |
| CHECK SY | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCT51_02.dgn

DRAWING DATE: 7/30/2012




TCP SECTION C-C
STA 1525+00




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

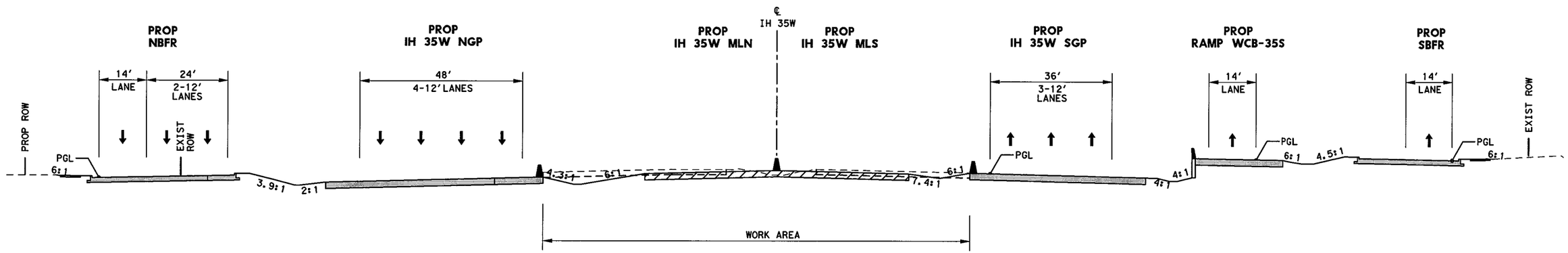
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 5**

SCALE: NTS — SHEET 3 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 599 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCT51_03.dgn
DRAWING DATE: 7/30/2012




## TCP SECTION D-D
## STA 1554+00

### LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- PERMANENT FAST TRACK CONST THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERMANENT CONSTRUCTION PREVIOUS PHASE
- TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- EXISTING TRAFFIC BARRIER
- TEMP/ PERMANENT TRAFFIC BARRIER
- DRUM
- METAL BEAM GUARD FENCE (MBGF)
- LOW PROFILE CONCRETE BARRIER (LPCB) WITH BARRIER REFLECTORS

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

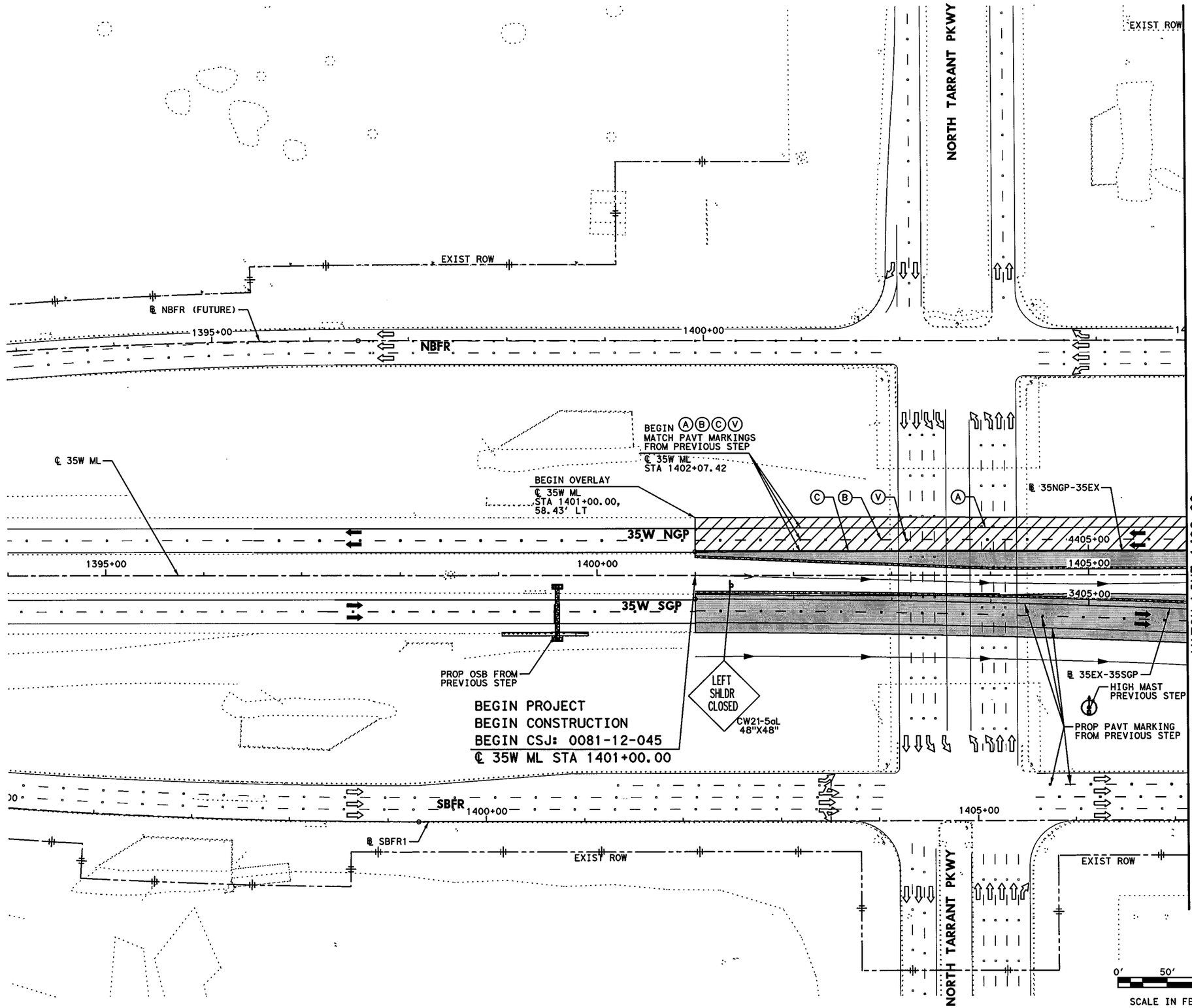
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TCP SECTION**
**PHASE 5**

SCALE: NTS — SHEET 4 OF 4

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 600 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCT51_04.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 5

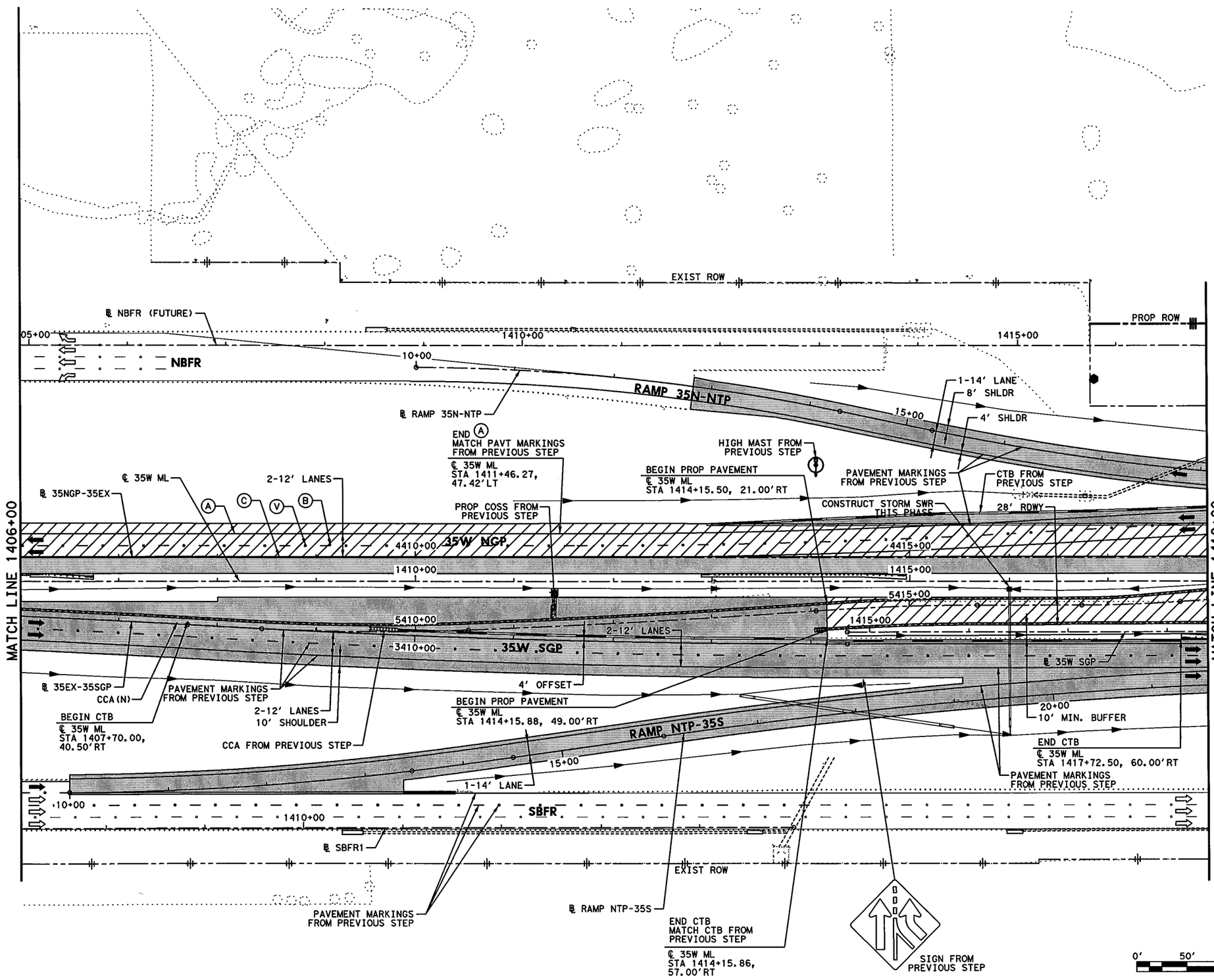
SCALE 1" = 100'

SHEET 1 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 601 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP51_01.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

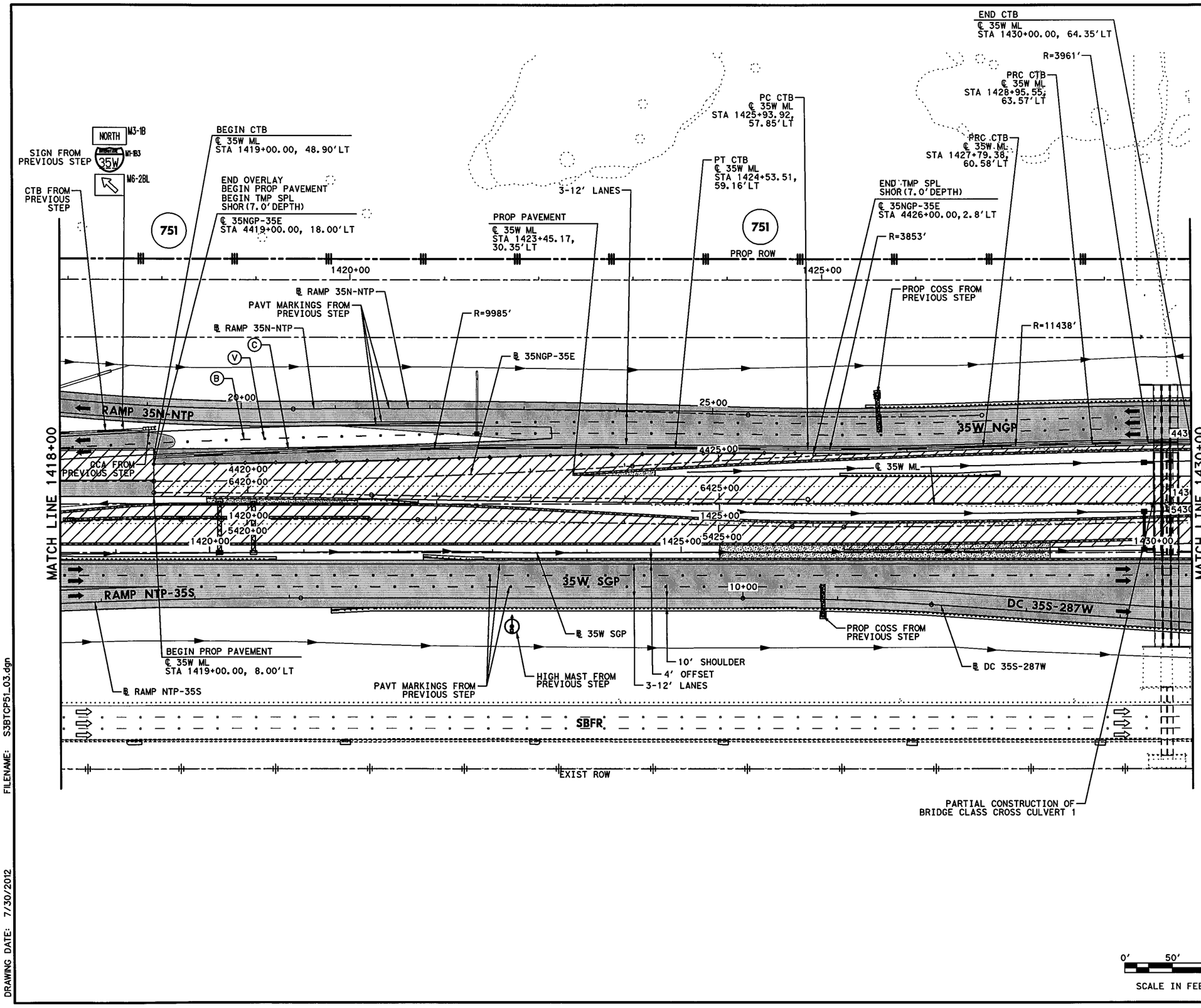
# TRAFFIC CONTROL PLAN
# PHASE 5

SCALE 1" = 100'

SHEET 2 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 602 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP51_02.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE — CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

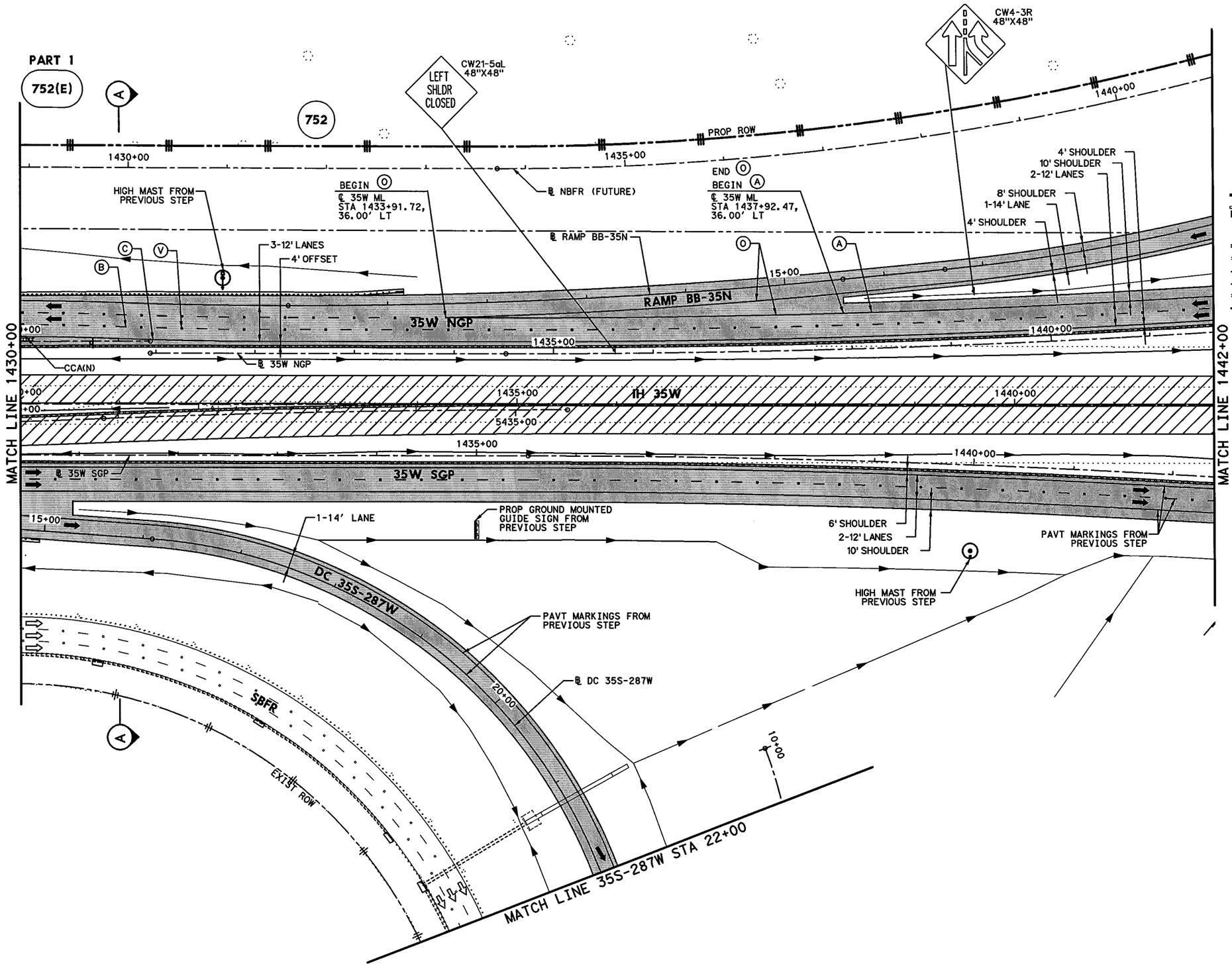
# TRAFFIC CONTROL PLAN
# PHASE 5

SCALE 1" = 100'

SHEET 3 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 603 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP51_03.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 5**

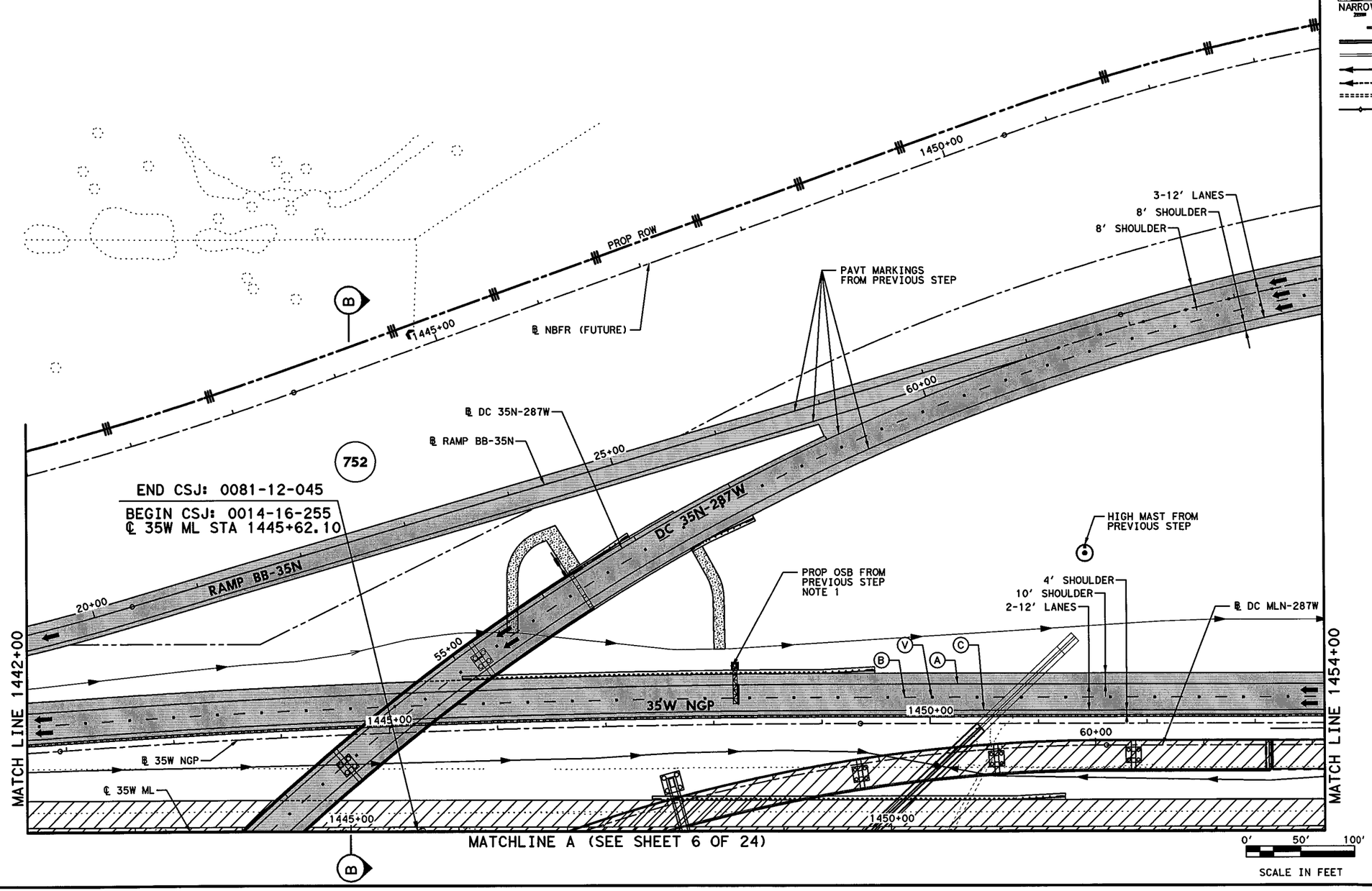
SCALE 1" = 100' SHEET 4 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 604 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP51_04.dgn
DRAWING DATE: 7/30/2012

NOTES:

1. PROPOSED GUIDE SIGN ON COSS AVAILABLE TO DIRECT TRAFFIC TO NORTH TARRANT PARKWAY. SEE SIGN LAYOUT SHEETS.




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. Mozaffar
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 5**

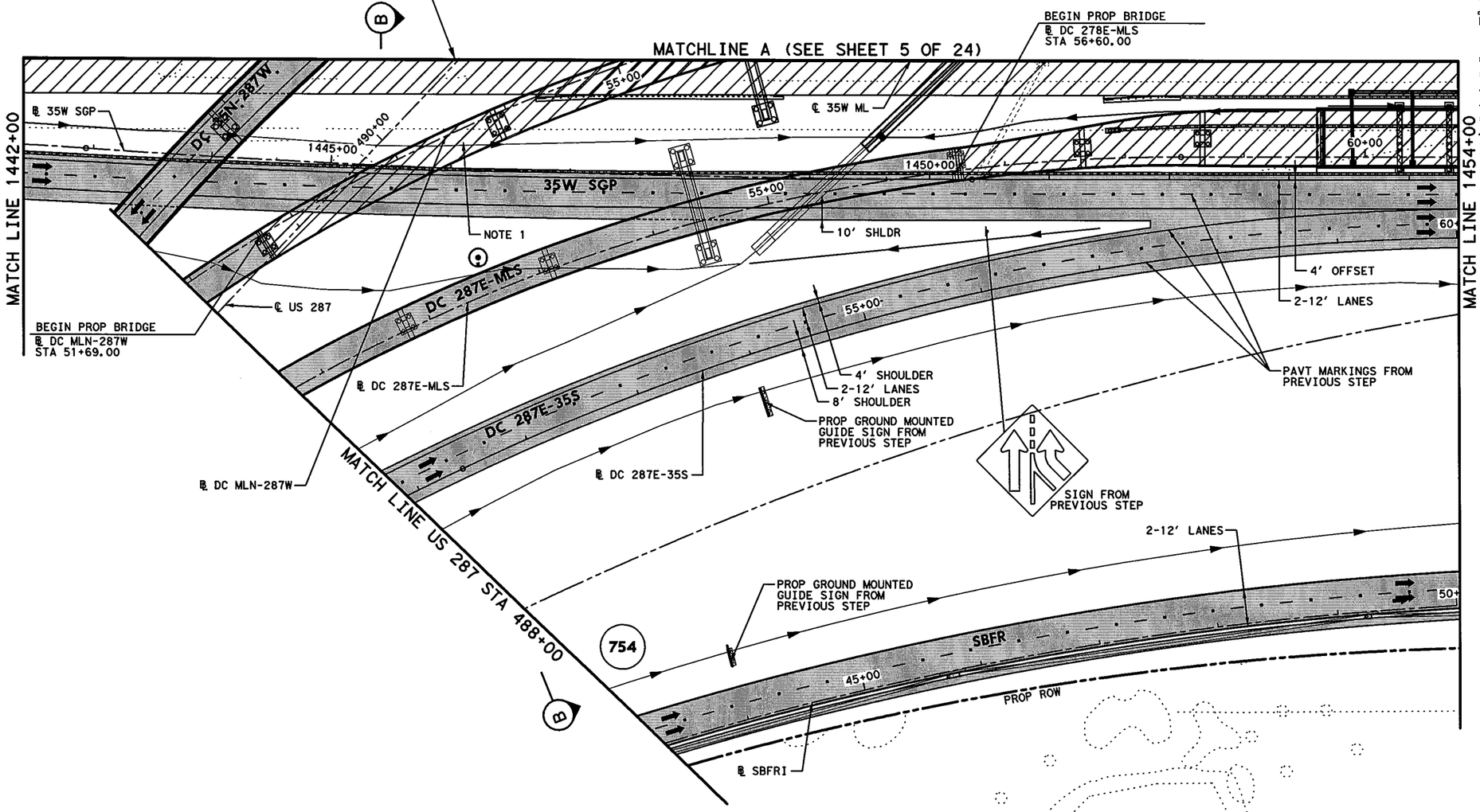
SCALE 1" = 100' SHEET 5 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 605 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP51_05.dgn
DRAWING DATE: 7/30/2012

END CSJ: 0081-12-045

BEGIN CSJ: 0014-16-255
℄ 35W ML STA 1445+62.10




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
W. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. Mo
7/30/2012

NOTES:

1. FOR BEAM HANGING OPERATION, REFER TO DETOUR SHEET FOR 35W SGP TRAFFIC DETOUR.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

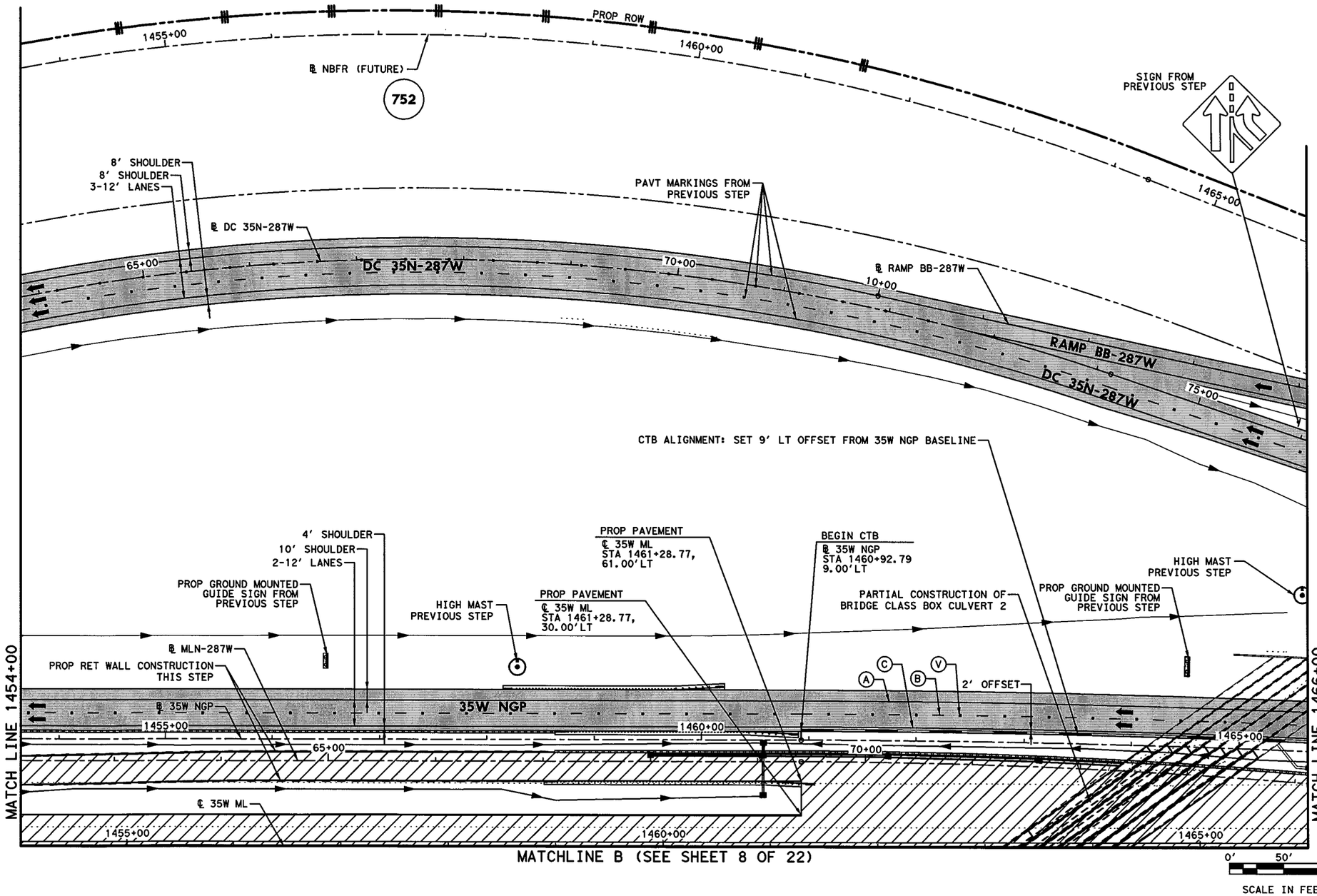
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
## PHASE 5

SCALE 1" = 100' SHEET 6 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 606 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP51_06.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. Mozaffar
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

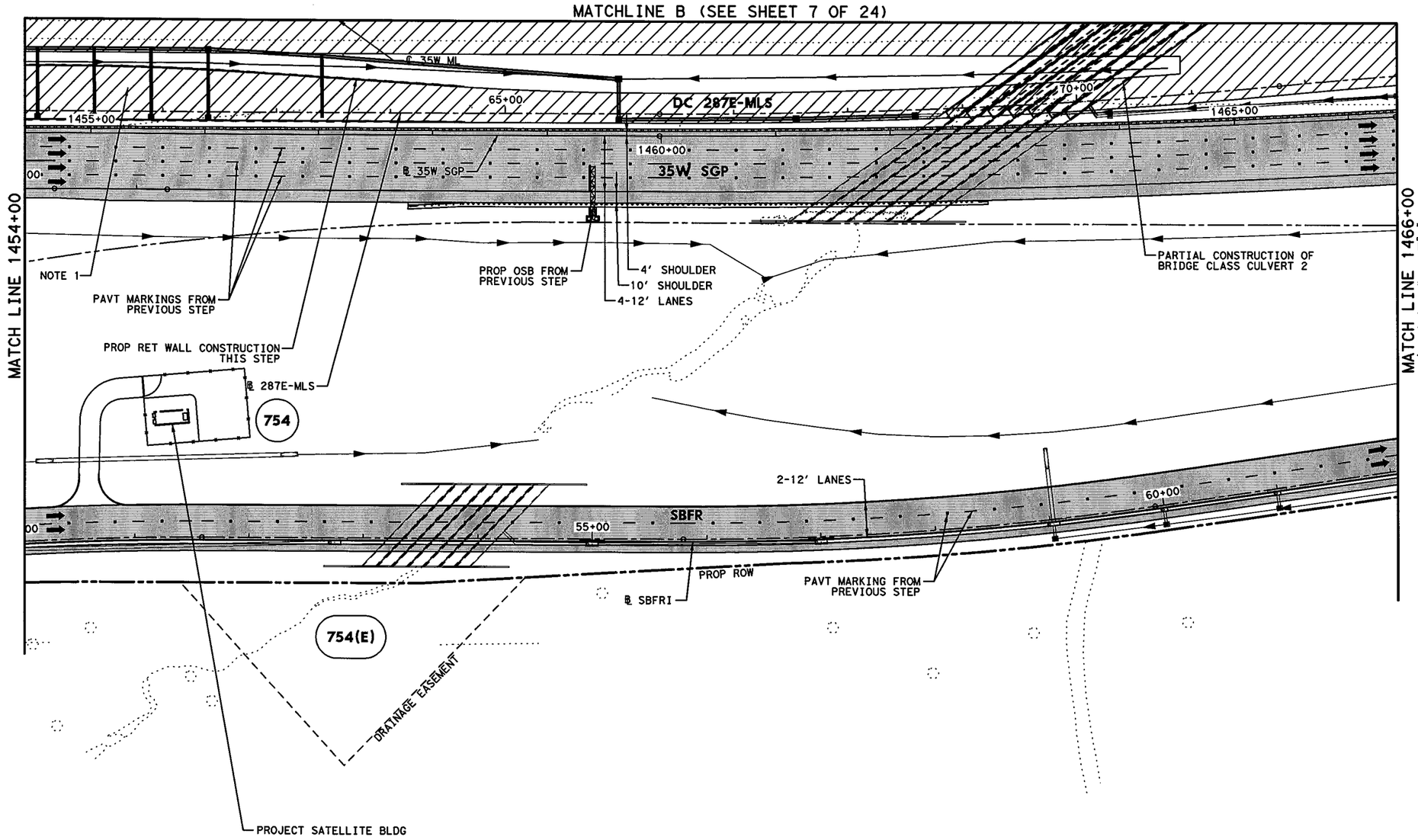
# TRAFFIC CONTROL PLAN
# PHASE 5

SCALE 1" = 100'

SHEET 7 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 607 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP51_07.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. CONTRACTOR TO COORDINATE WITH TOLL INTEGRATOR FOR CONSTRUCTION OF TOLL ZONE AREA.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

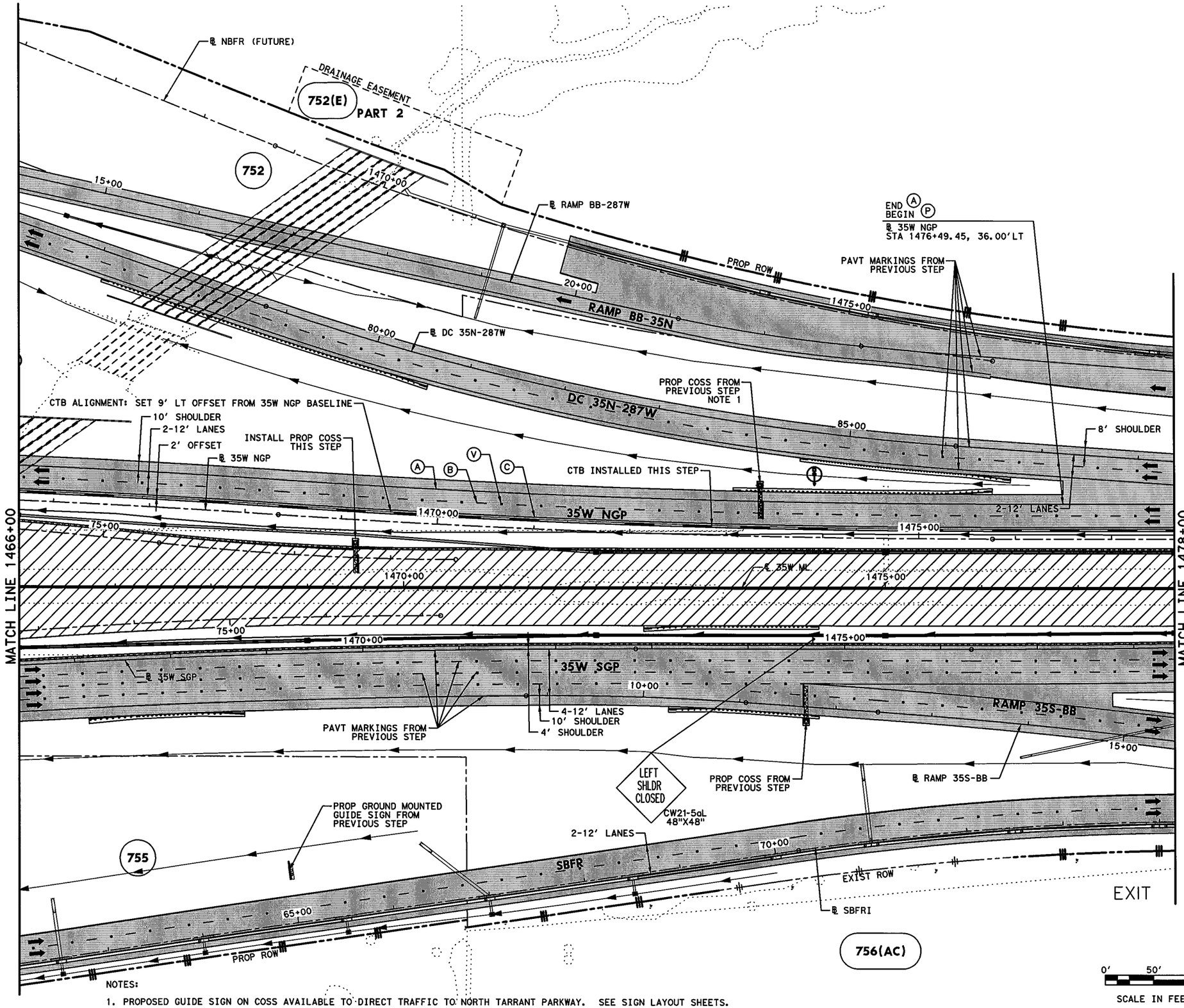
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 5**

SCALE 1" = 100' SHEET 8 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 608 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP51_08.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. PROPOSED GUIDE SIGN ON COSS AVAILABLE TO DIRECT TRAFFIC TO NORTH TARRANT PARKWAY. SEE SIGN LAYOUT SHEETS.

0' 50' 100'

SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

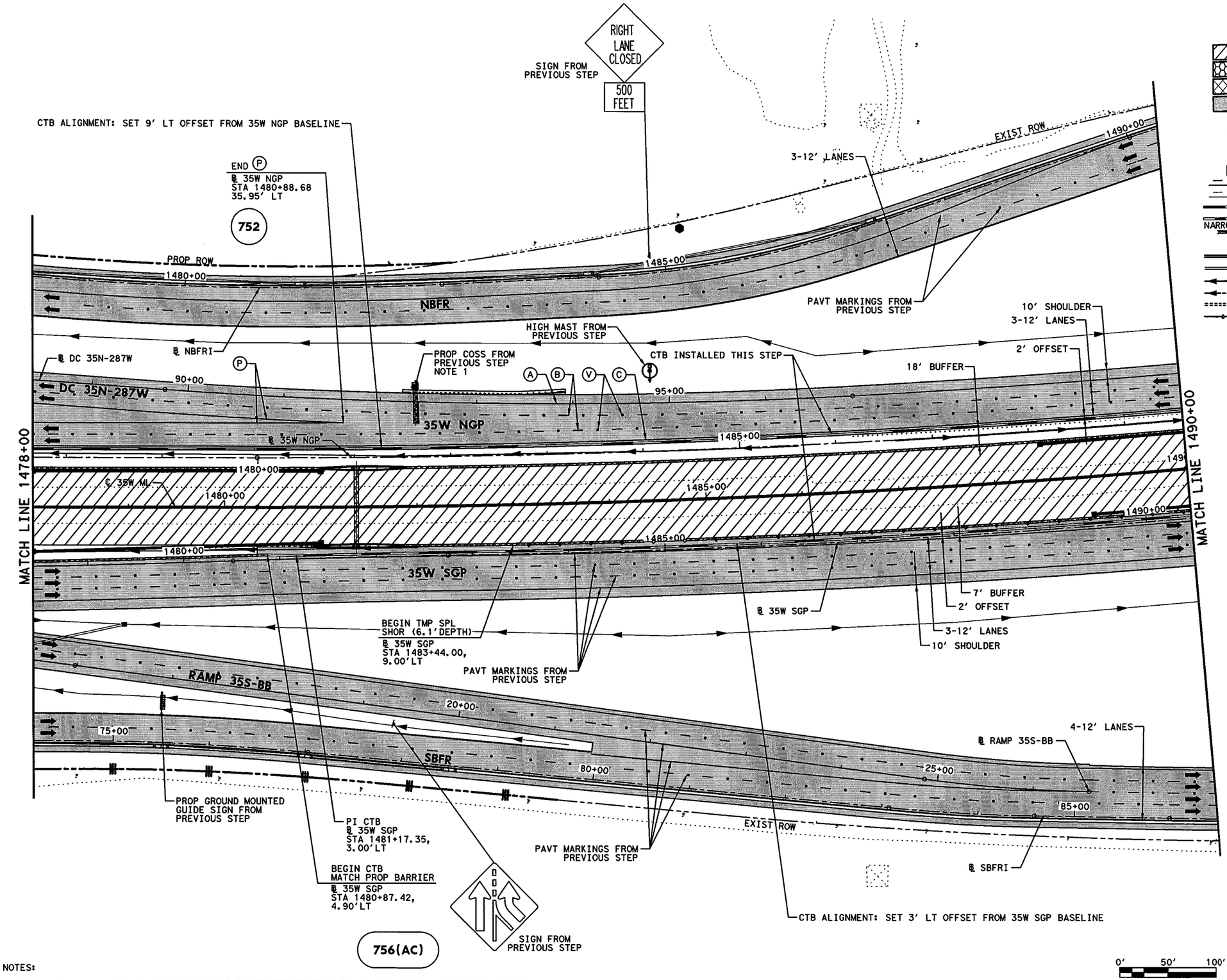
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 5**

SCALE 1" = 100' SHEET 9 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 609 |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP51_09.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

NOTES:

1. PROPOSED GUIDE SIGN ON COSS AVAILABLE TO DIRECT TRAFFIC TO US 287 NORTH. SEE SIGN LAYOUT SHEETS.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

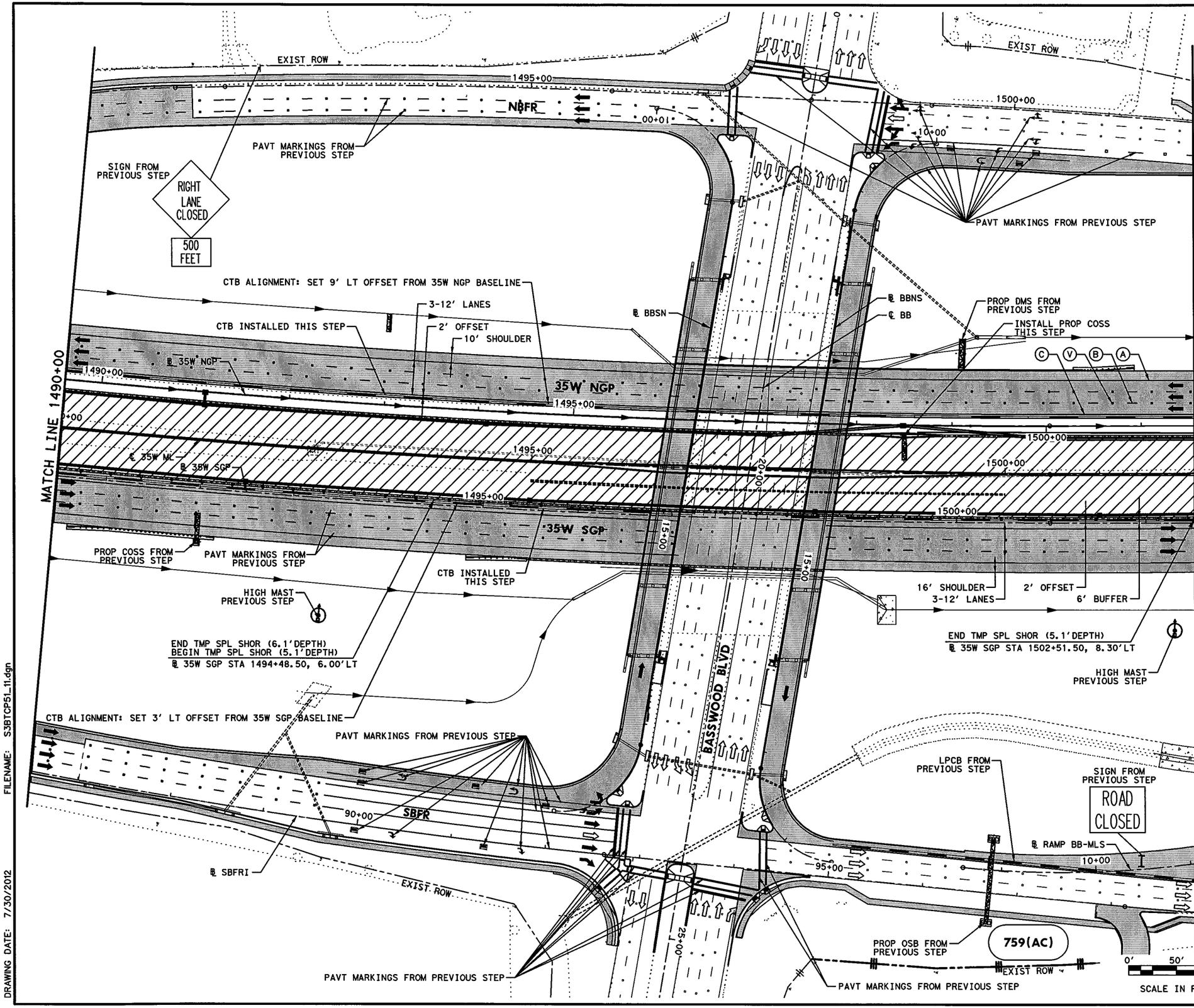
**TRAFFIC CONTROL PLAN**

**PHASE 5**

SCALE 1" = 100' SHEET 10 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 610 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP51_10.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

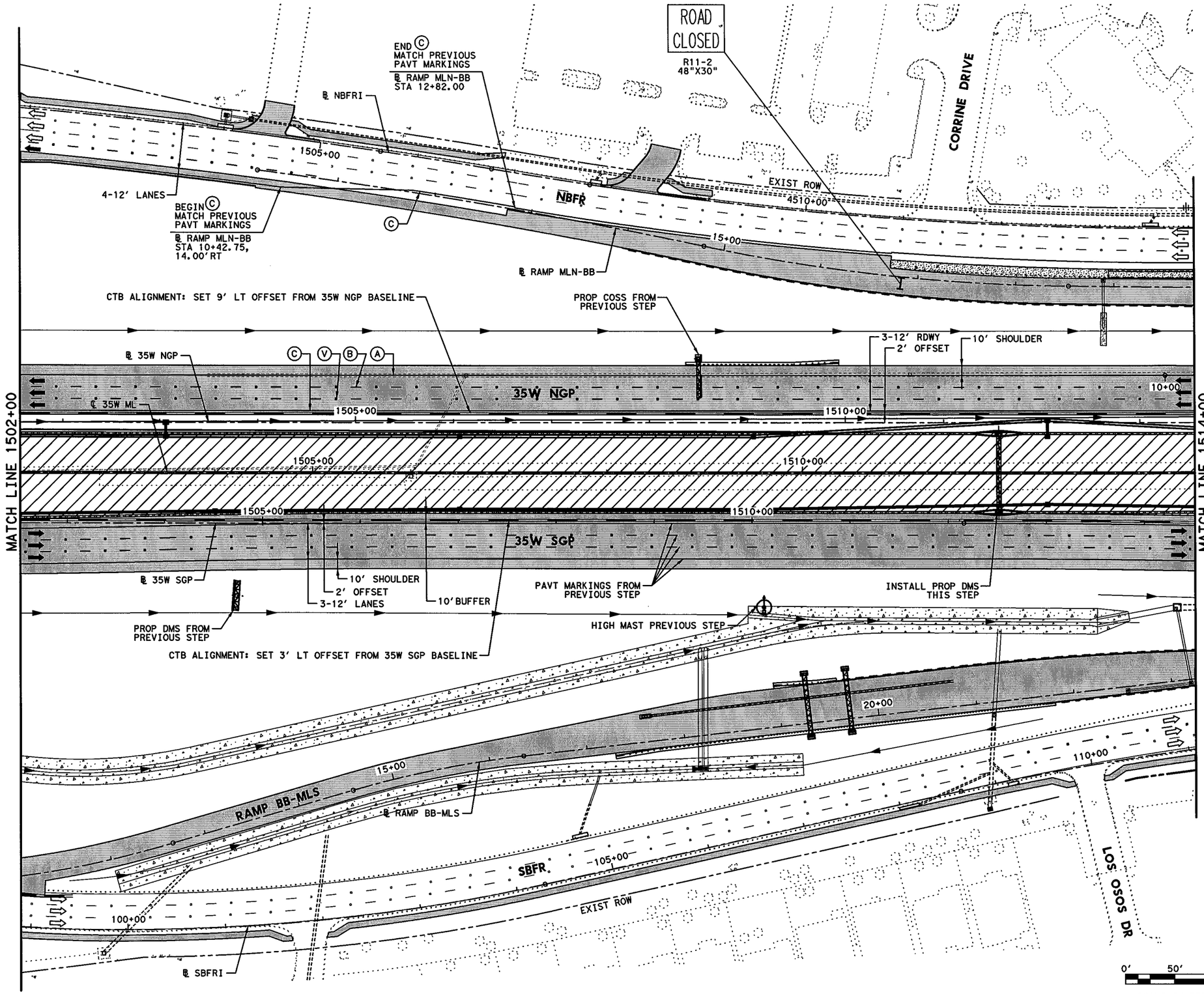
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 5**

SCALE 1" = 100' SHEET 11 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 611 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP51_11.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

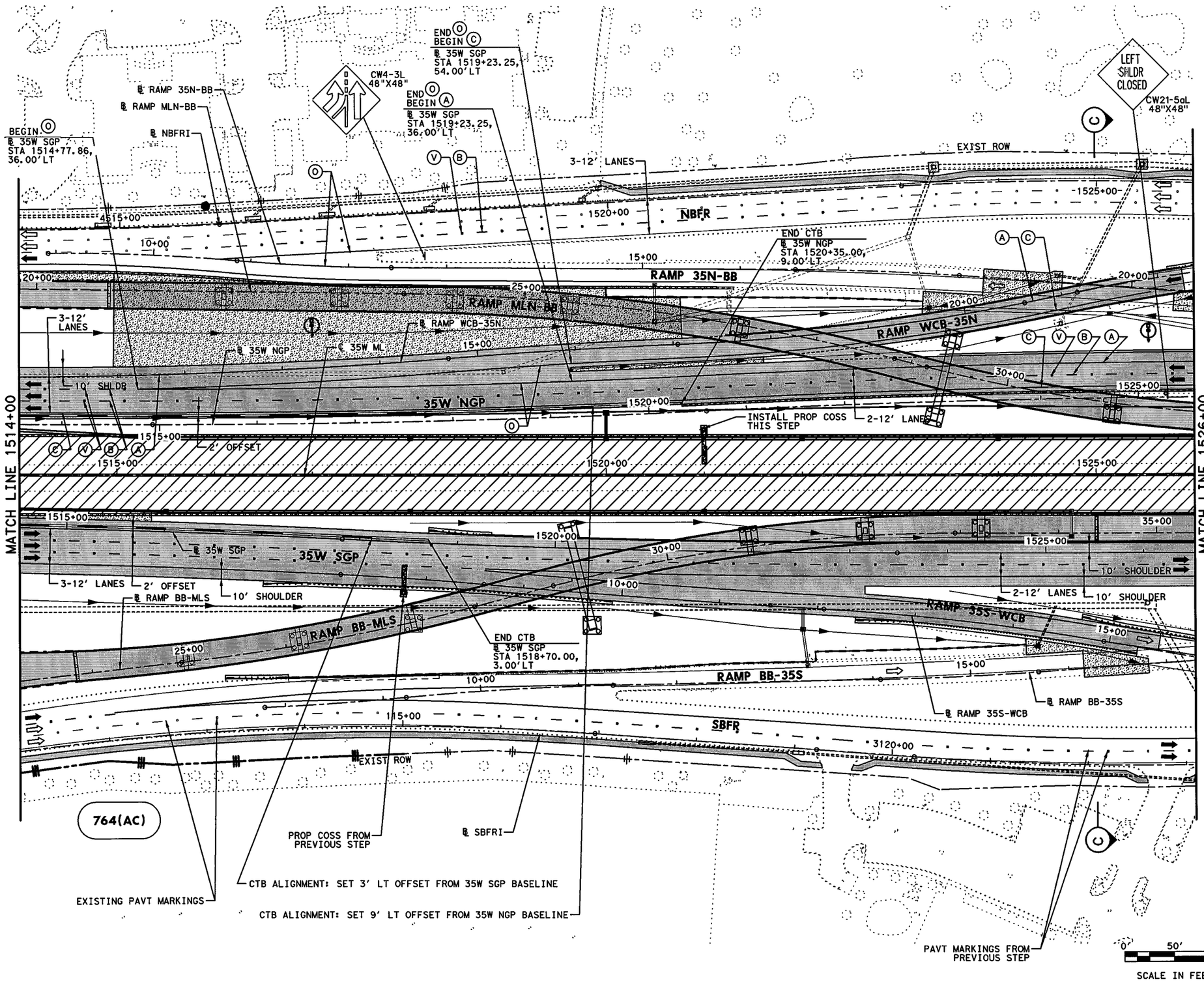
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 5

SCALE 1" = 100' SHEET 12 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 612 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP51_12.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

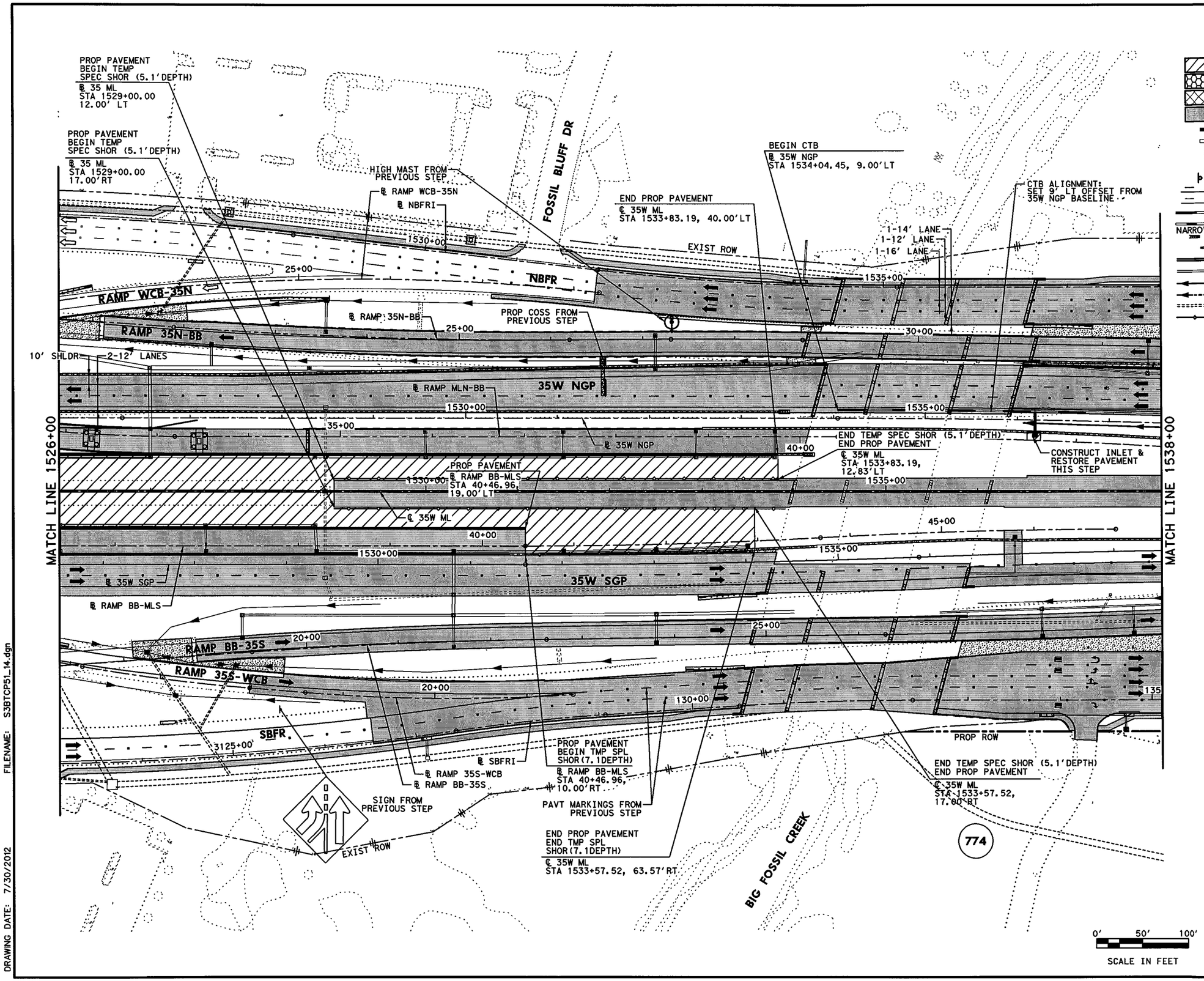
# TRAFFIC CONTROL PLAN

# PHASE 5

SCALE 1" = 100' SHEET 13 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 613 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP51_13.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. Mozaffar
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 5**

SCALE 1" = 100' SHEET 14 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 614 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP51_14.dgn
DRAWING DATE: 7/30/2012

END (C) BEGIN (P)
℄ 35W NGP
STA 1538+32.66,
70.00'LT

END PROP PAVEMENT
℄ 35W ML
STA 1539+30.14, 53.05'LT

END (A) BEGIN (P)
℄ 35W NGP
STA 1538+32.66,
48.00'LT

INSTALL
PROP COSS
THIS STEP

WESTERN CENTER BLVD

CTB INSTALLED THIS STEP

LEFT
SHLDR
CLOSED

CW21-5aL
48"X48"

781

END TEMP SPEC SHOR(7.1'DEPTH)
℄ 35W ML
STA 1547+10.00, 63.00'LT

777

BEGIN PROP PAVEMENT
℄ 35W ML
STA 1542+46.46, 53.00'LT

778

PROP COSS FROM
PREVIOUS STEP.
NOTE 1

℞ NBFRI

1-14' LANE
1-12' LANE
1-12' LANE

EXIST ROW

PROP ROW

1545+00

10+00

1540+00

15+00

35+00

NBFR

℞ RAMP 35N-BB

10' SHLDR

4-12' LANES

40+00

RAMP 35N-BB

35W NGP

1540+00

1545+00

45+00

℞ 35W NGP

END CTB
℄ 35W NGP
STA 1543+00.00, 9.00'LT

1545+00

℄ 35W ML

SEE DRAINAGE PLANS
FOR TEMP SPEC SHORING
FOR CULVERT CONSTRUCTION

1540+00

℞ 35W SGP

1540+00

1545+00

4' SHOULDER

1550+00

35W SGP

RAMP BB-35S

35+00

PAVT MARKINGS
FROM PREVIOUS STEP

3-12' LANES

10' SHOULDER

30+00

℞ RAMP BB-35S

15+00

10+00

RAMP WCB-35S

145+00

15+00

140+00

SBFR

PROP ROW

EXIST ROW

PROP ROW

775

776

779

℞ SBFRI
BEGIN PROP PAVEMENT
BEGIN TEMP SPEC SHOR(7.1'DEPTH)
℄ 35W ML
STA 1542+30.74, 47.87'RT

PAVT MARKINGS
FROM PREVIOUS STEP

END TEMP SPEC SHOR(7.1'DEPTH)
℄ 35W ML
STA 1546+72.00, 48.00'RT

MATCH LINE 1538+00

MATCH LINE 1550+00

20+00

(1) BEGIN PROP PAVEMENT
℄ 35W ML
STA 1542+46.46, 13.78'LT

(2) BEGIN PROP PAVEMENT
℄ 35W ML
STA 1542+37.09, 12.80'LT

(3) BEGIN PROP PAVEMENT
℄ 35W ML
STA 1542+30.74, 12.80'RT

(4) BEGIN PROP PAVEMENT
℄ 35W ML
STA 1542+37.09, 12.80'RT

NOTES:

1. PROPOSED GUIDE SIGN PANEL ON COSS AVAILABLE TO DIRECT TRAFFIC TO BASSWOOD BLVD.
2. FOR TEMP SPECIAL SHORING DETAILS, SEE CULVERT 3 TEMPORARY SPECIAL SHORING LAYOUT.

0' 50' 100'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

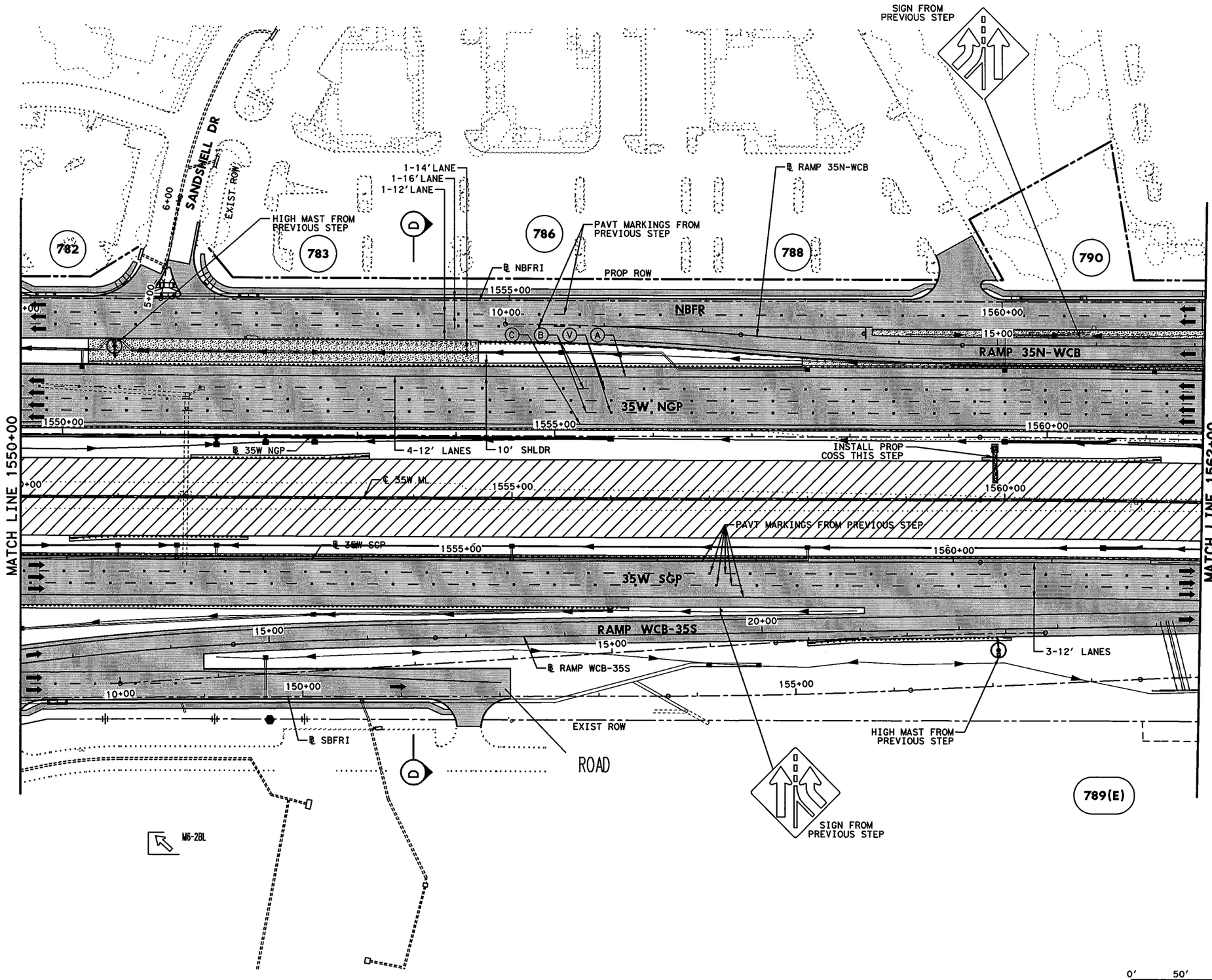
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 5**

SCALE 1" = 100' SHEET 15 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 615 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP51_15.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED PROFESSIONAL ENGINEER

M. N. Mozaffar
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 5

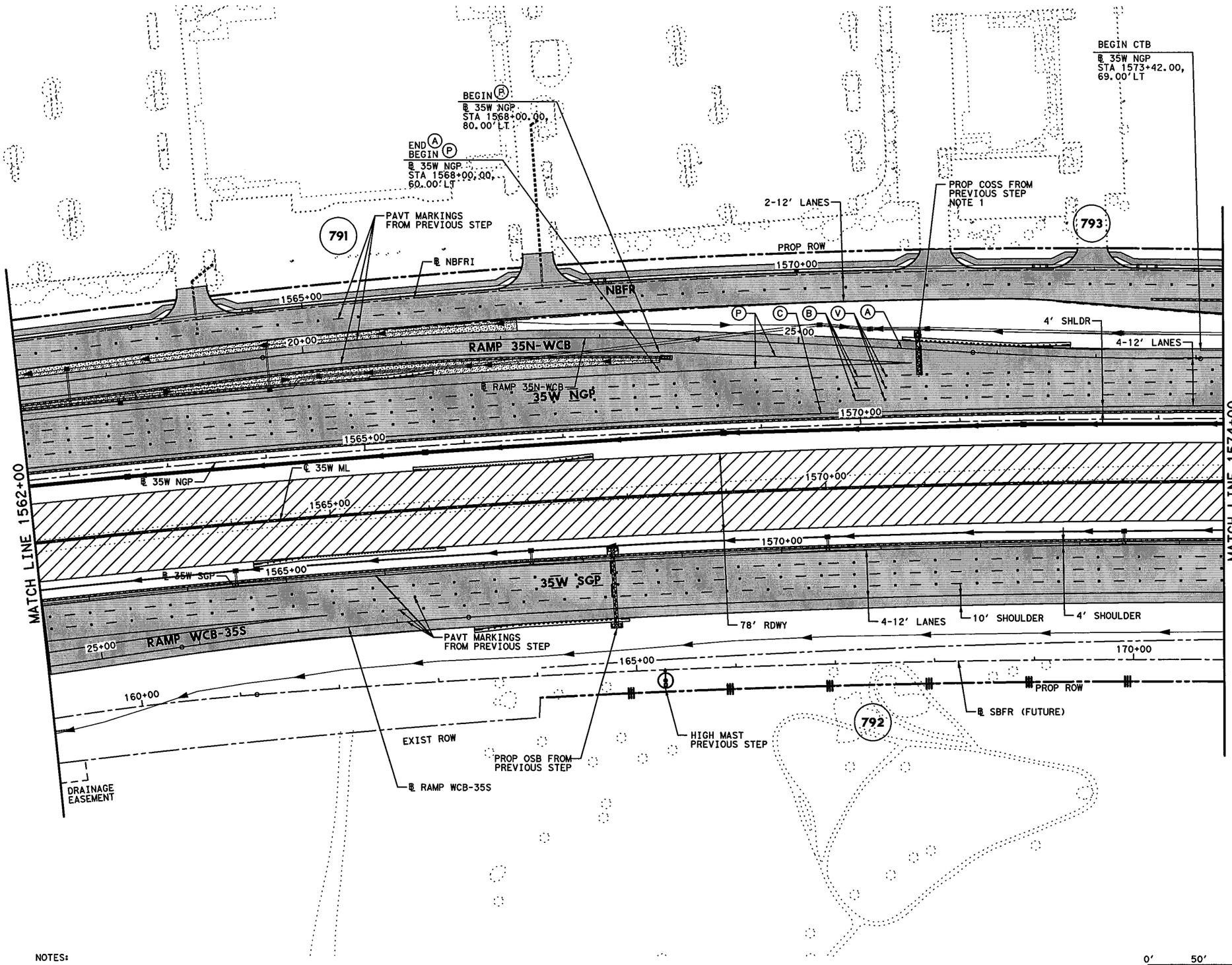
SCALE 1" = 100'

SHEET 16 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | | | | 616 |
| CHECK | 0014 | 16 | 255, ETC. | |
| SY | | | | |

FILENAME: S3BTCP51_16.dgn

DRAWING DATE: 7/30/2012




NOTES:

1. PROPOSED GUIDE SIGN PANEL ON COSS AVAILABLE TO DIRECT TRAFFIC TO WESTERN CENTER BLVD.

0' 50' 100'
SCALE IN FEET

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

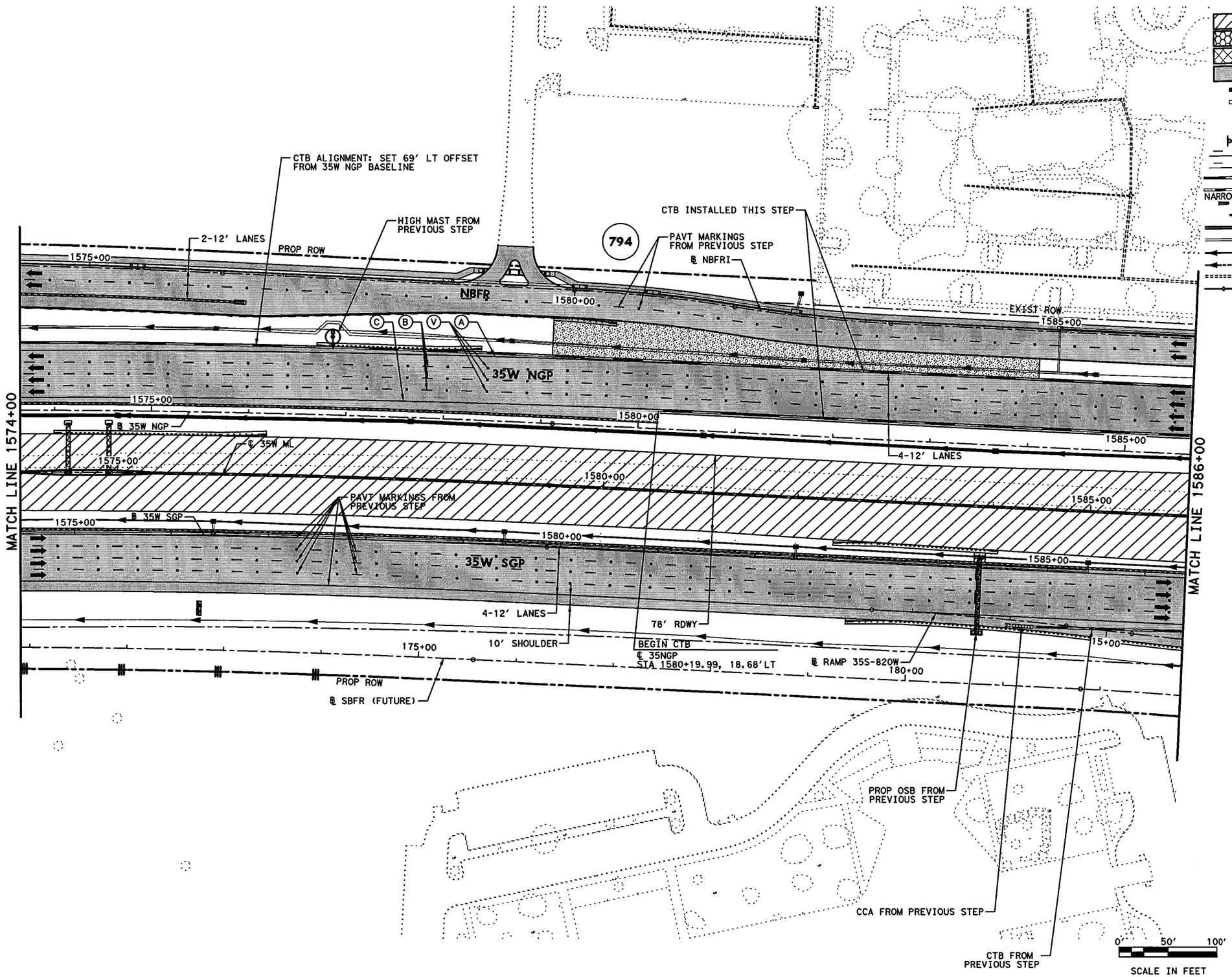
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 5

SCALE 1" = 100' SHEET 17 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 617 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP51_17.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 5

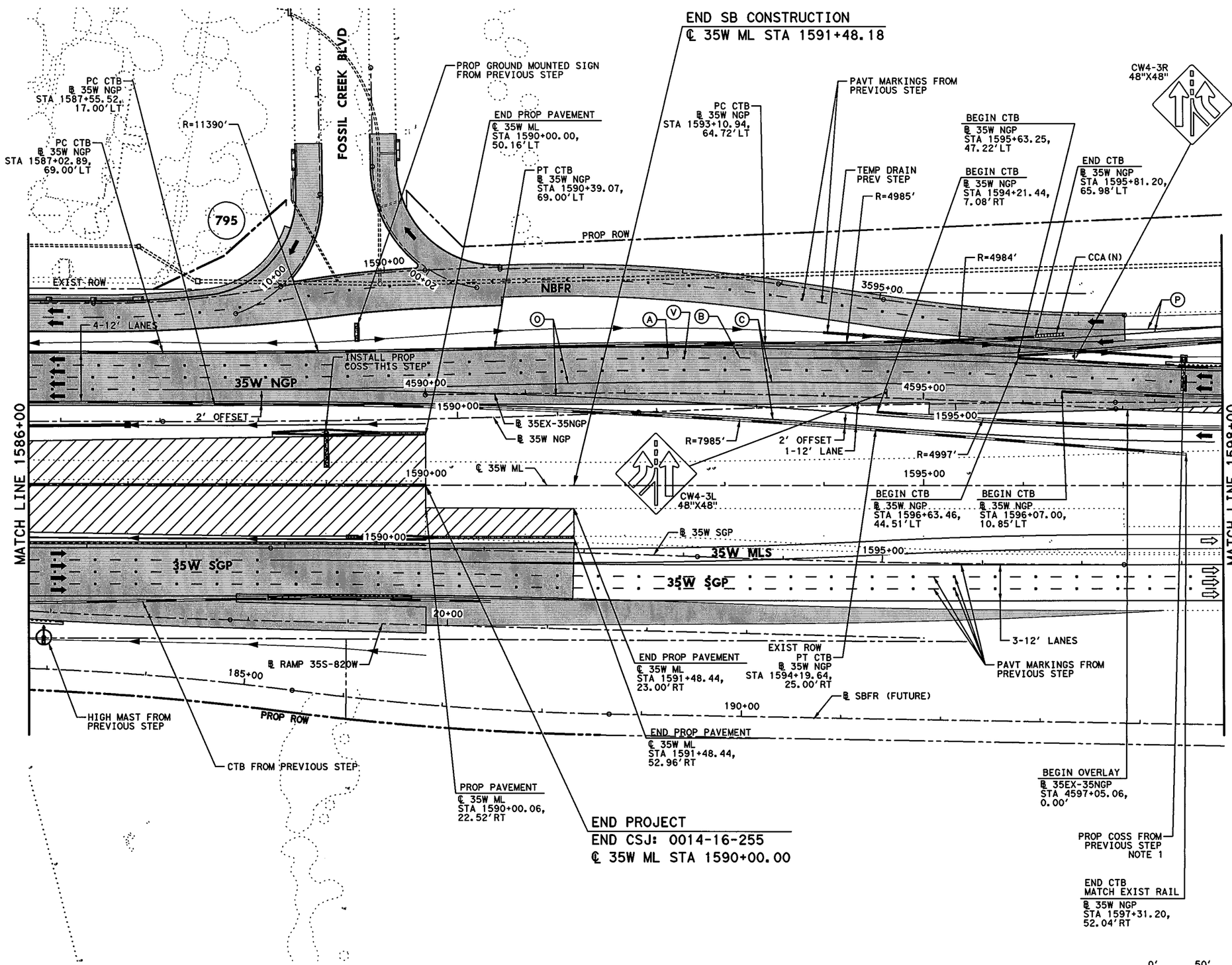
SCALE 1" = 100'

SHEET 18 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 618 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP51_18.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTES:

1. PROPOSED GUIDE SIGN PANEL ON COSS AVAILABLE TO DIRECT TRAFFIC TO WESTERN CENTER BLVD.

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

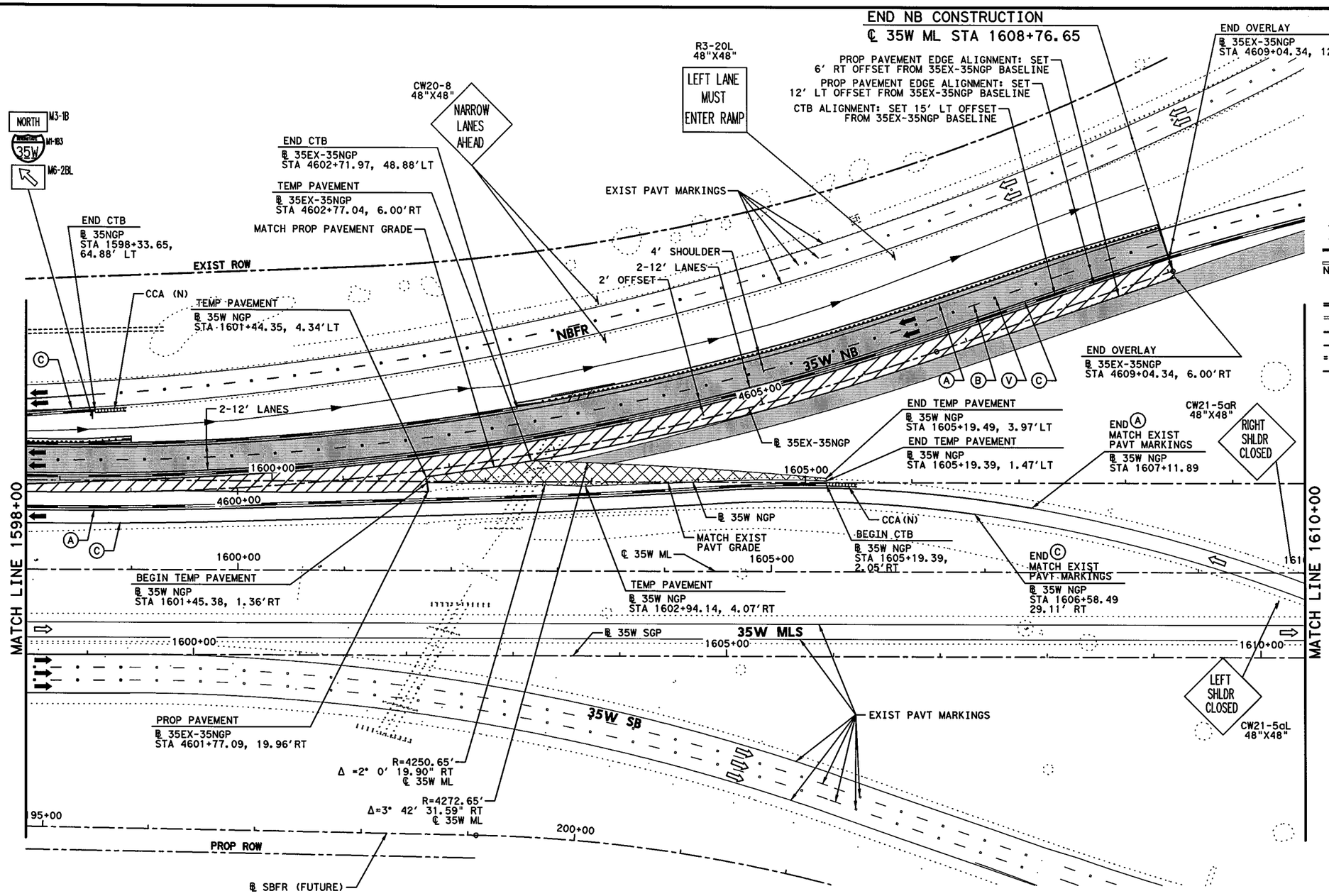
**TRAFFIC CONTROL PLAN**
**PHASE 5**

SCALE 1" = 100'

SHEET 19 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 619 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP51_19.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE — LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

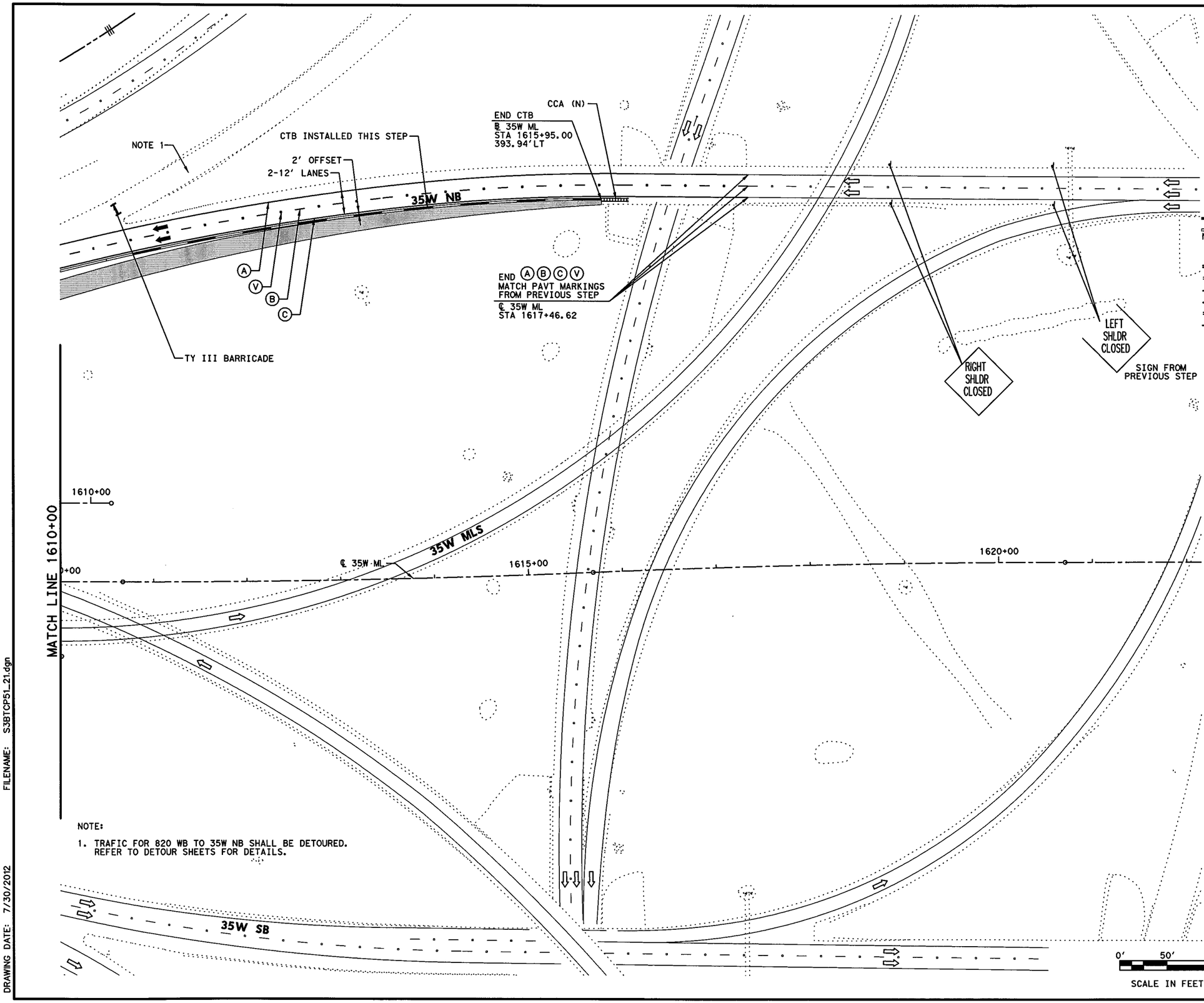
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 5

SCALE 1" = 100' — SHEET 20 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 620 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP51_20.dgn
DRAWING DATE: 7/30/2012




NOTE:

1. TRAFIC FOR 820 WB TO 35W NB SHALL BE DETOURED. REFER TO DETOUR SHEETS FOR DETAILS.

## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

Ⓐ WK ZN PAV MRK REMOV (W) 4" (SLD)
Ⓑ WK ZN PAV MRK REMOV (W) 4" (BRK)
Ⓒ WK ZN PAV MRK REMOV (Y) 4" (SLD)
Ⓖ WK ZN PAV MRK REMOV (W) 8" (SLD)
Ⓗ WK ZN PAV MRK REMOV (W) 12" (SLD)
Ⓘ WK ZN PAV MRK REMOV (W) 24" (SLD)
Ⓜ WK ZN PAV MRK REMOV (W)(ARROW)
Ⓝ WK ZN PAV MRK REMOV (W)(WORD)
Ⓞ WK ZN PAV MRK REMOV (W)(ENTR GORE)
Ⓟ WK ZN PAV MRK REMOV (W)(EXIT GORE)
Ⓢ WK ZN PAV MRK REMOV (W)(DBL ARROW)
Ⓣ WK ZN PAV MRK REMOV (W) 4" (DOT)
Ⓤ WK ZN PAV MRK REMOV (W)(UTURN ARROW)
Ⓥ REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 5**

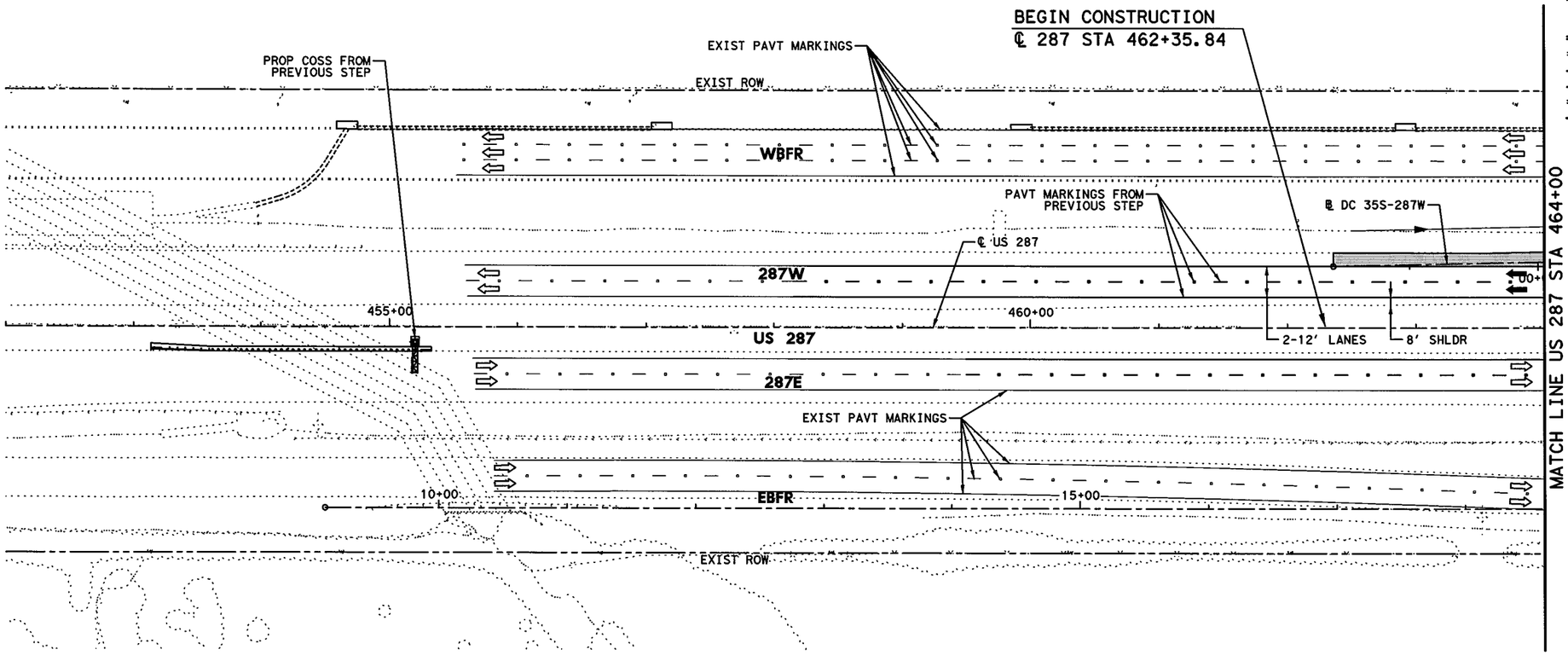
SCALE 1" = 100'

SHEET 21 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | | | | 621 |
| CHECK | 0014 | 16 | 255, ETC. | |
| SY | | | | |

FILENAME: S3BTCP51_21.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- NARROW WIDE LPCB TY 1 W/BARRIER REFLECTORS
- CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

NOTE:
1. MINIMUM WIDTH OF TEMPORARY PAVEMENT SHALL BE 2'.

0' 50' 100'
SCALE IN FEET

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

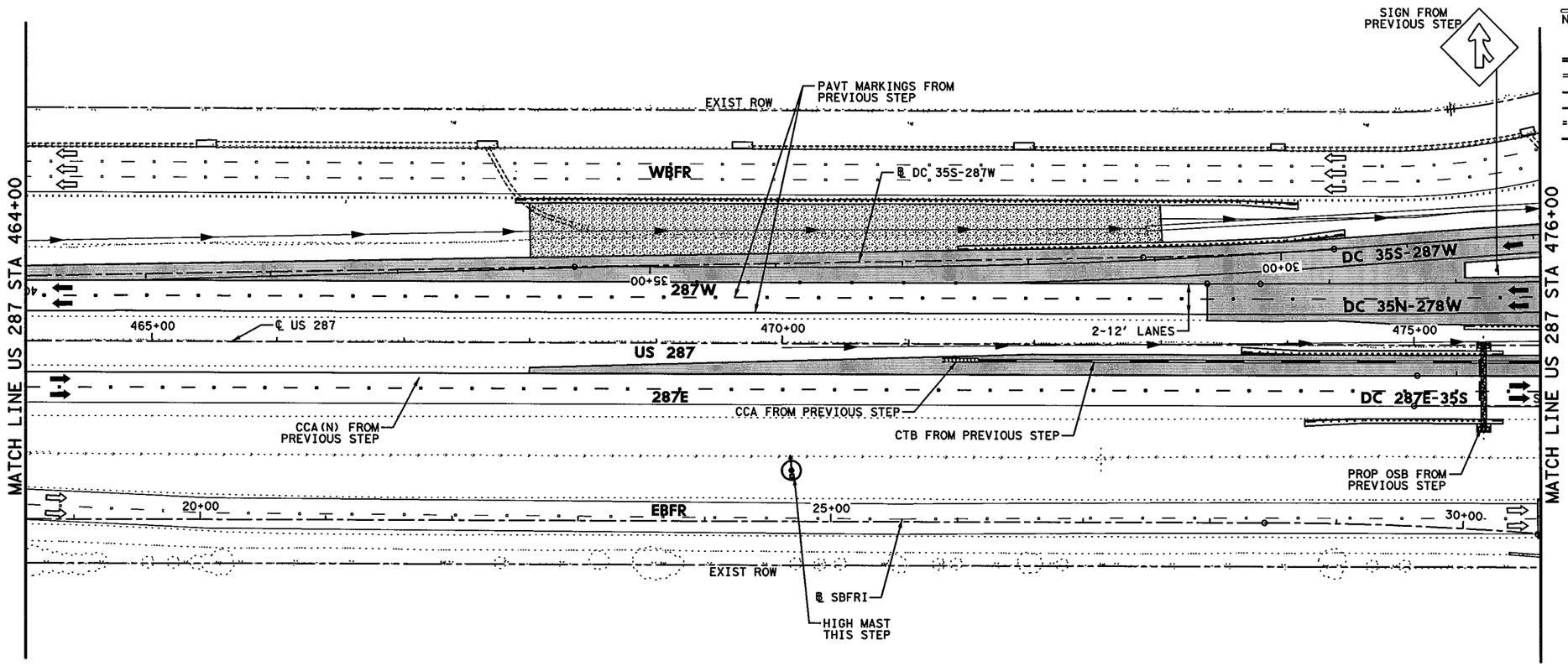
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 5**

SCALE 1" = 100' SHEET 22 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 622 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP51_22.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. Mozaffar
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

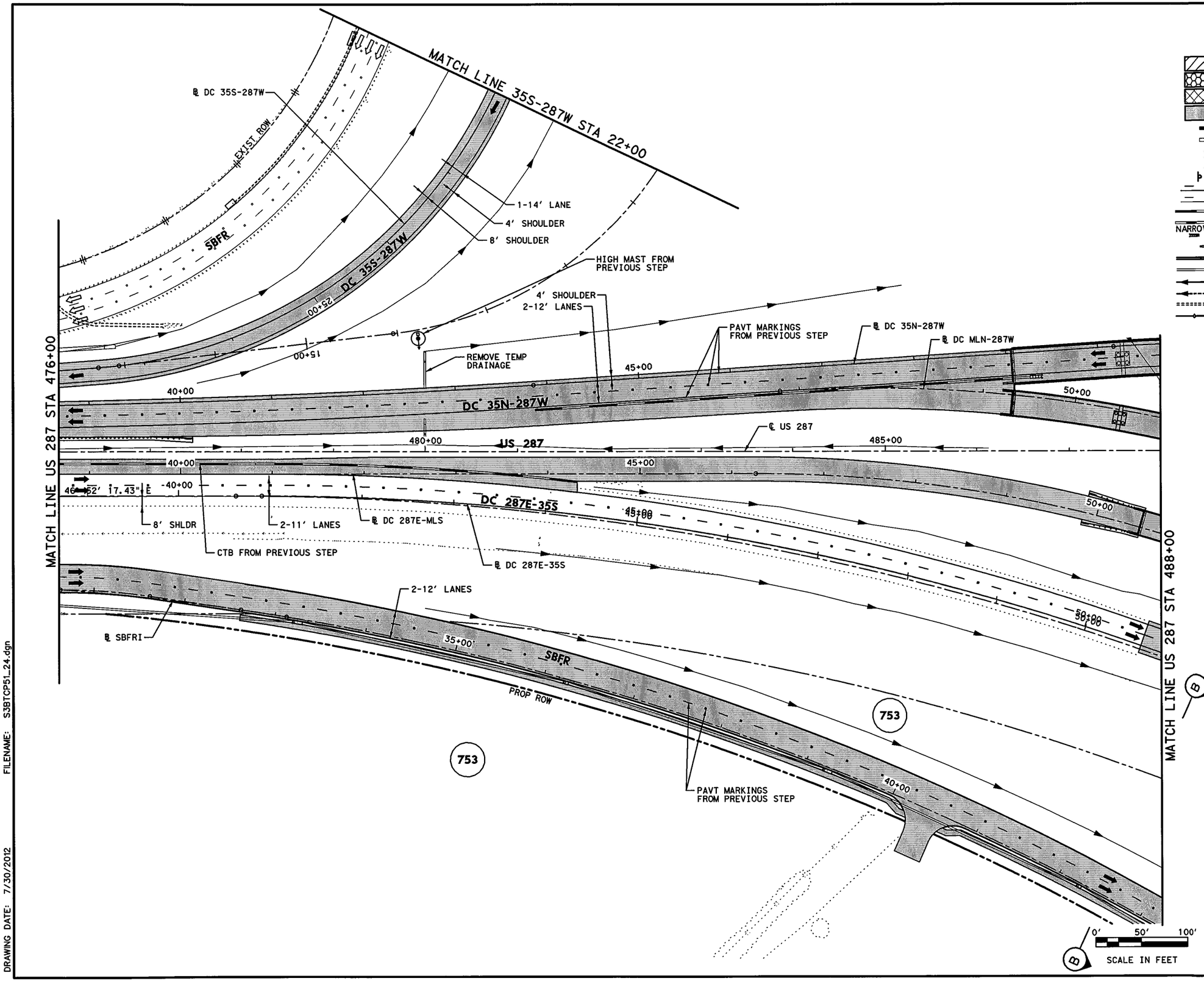
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 5**

SCALE 1" = 100' SHEET 23 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 623 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP51_23.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M.
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# TRAFFIC CONTROL PLAN
# PHASE 5

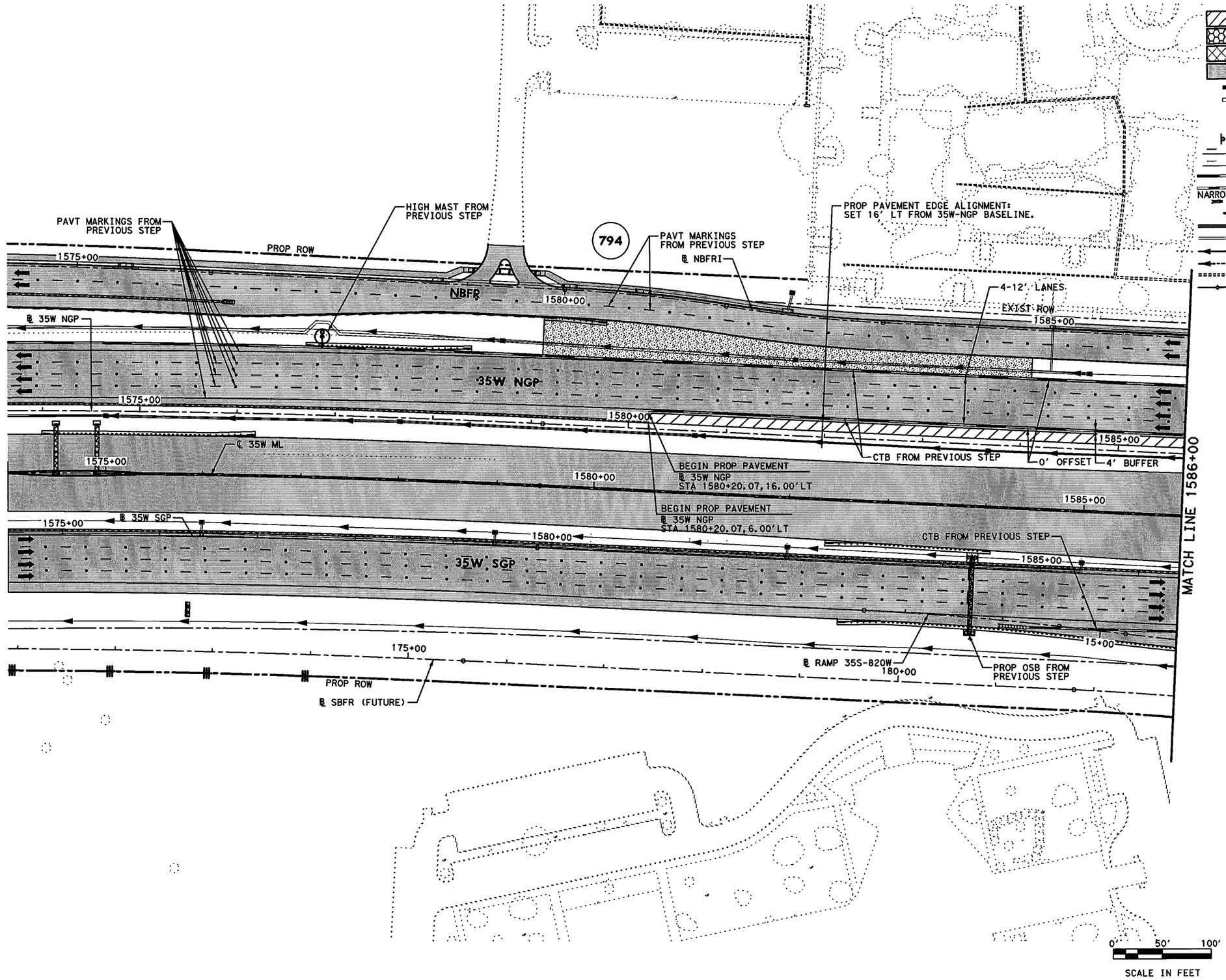
SCALE 1" = 100'

SHEET 24 OF 24

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 624 |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCP51_24.dgn

DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

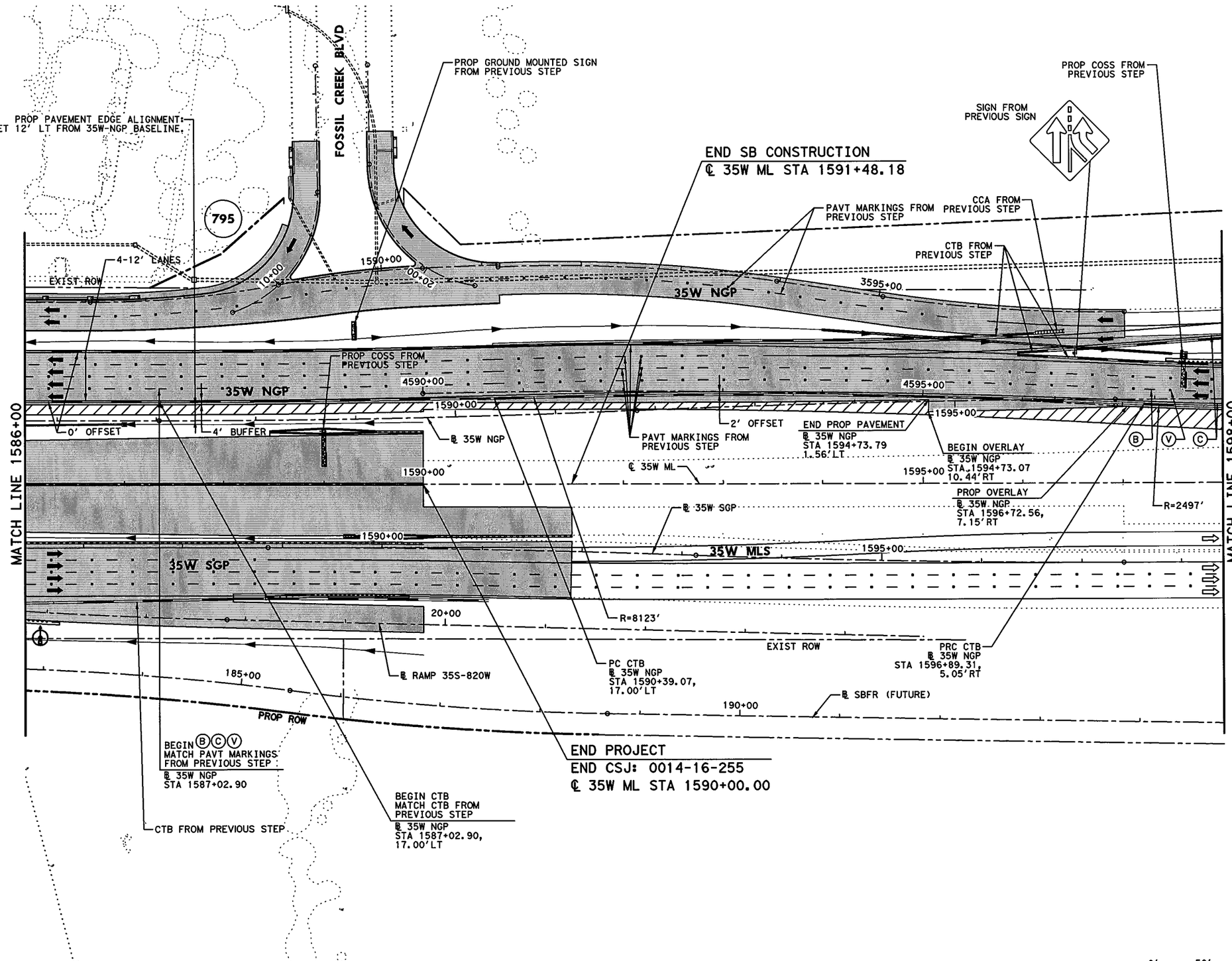
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 5B**

SCALE 1" = 100'
SHEET 1 OF 3

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | 624A |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCP51B_18.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. Mozaffar
7/30/2012

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

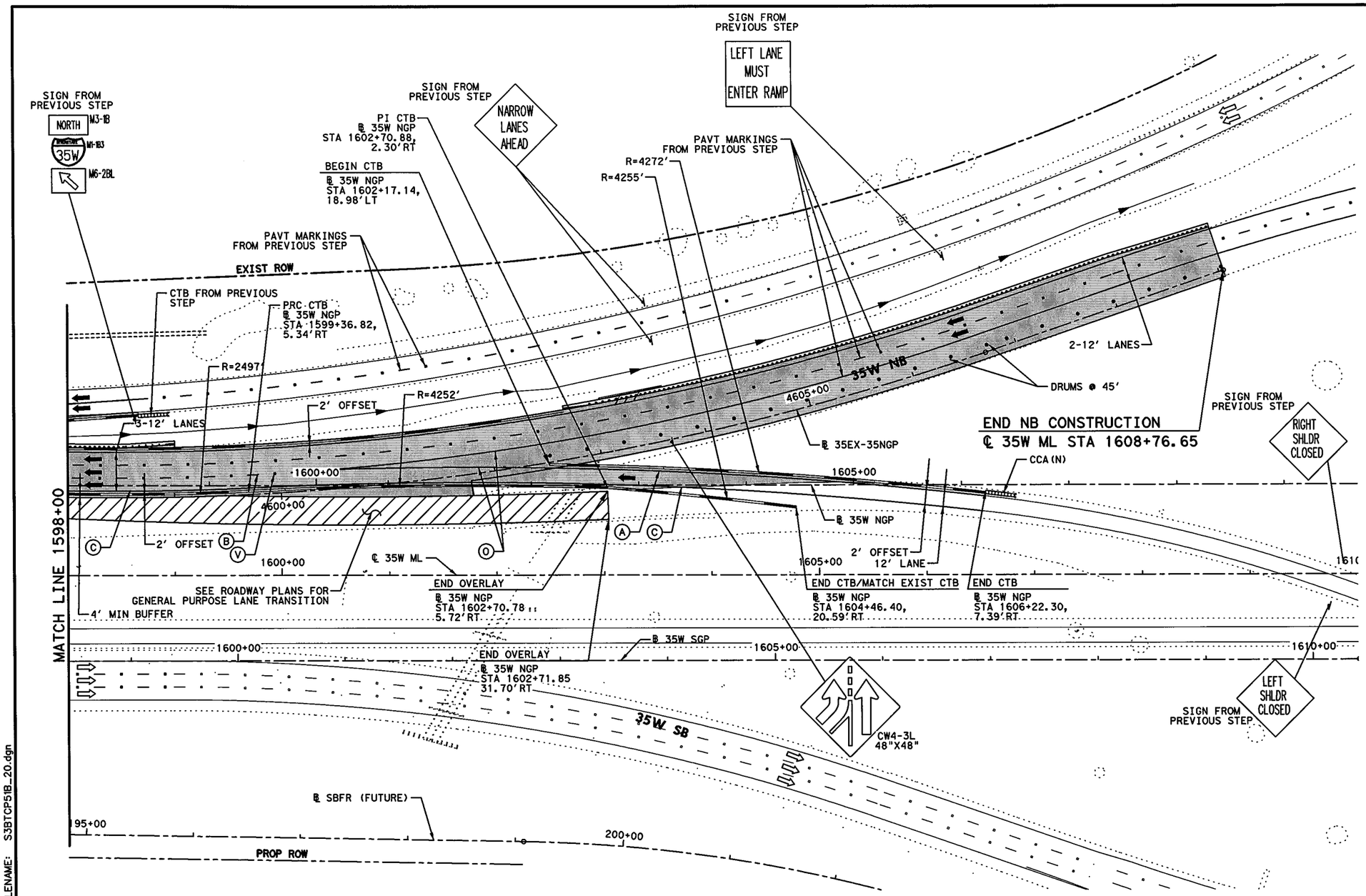
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**TRAFFIC CONTROL PLAN**
**PHASE 5B**

SCALE 1" = 100'
SHEET 2 OF 3

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 624B |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP51B_19.dgn
DRAWING DATE: 7/30/2012




## LEGEND

- PERMANENT CONSTRUCTION THIS PHASE
- FAST TRACK PAVEMENT THIS PHASE
- TEMP CONSTRUCTION THIS PHASE
- PERM/TEMP CONSTRUCTION PREVIOUS PHASE
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING DIRECTION OF TRAFFIC
- BARRELS OR DRUMS
- TYPE III BARRICADE
- TEMP GROUND MOUNTED SIGNS
- TEMP PAVEMENT STRIPING
- EXISTING PAVEMENT STRIPING
- CTB W/BARRIER REFLECTORS
- LPCB TY 1 W/BARRIER REFLECTORS
- NARROW WIDE CRASH CUSHION ATTENUATOR W/OM
- LPCB TY 2 W/OM
- STM SWR CONST THIS STEP
- STM SWR CONST PREV STEP
- PROP DITCH (GRADE TO DRAIN)
- TEMP DITCH (GRADE TO DRAIN)
- EXISTING STORM SEWERS
- TEMPORARY SPECIAL SHORING

(A) WK ZN PAV MRK REMOV (W) 4" (SLD)
(B) WK ZN PAV MRK REMOV (W) 4" (BRK)
(C) WK ZN PAV MRK REMOV (Y) 4" (SLD)
(G) WK ZN PAV MRK REMOV (W) 8" (SLD)
(H) WK ZN PAV MRK REMOV (W) 12" (SLD)
(I) WK ZN PAV MRK REMOV (W) 24" (SLD)
(M) WK ZN PAV MRK REMOV (W)(ARROW)
(N) WK ZN PAV MRK REMOV (W)(WORD)
(O) WK ZN PAV MRK REMOV (W)(ENTR GORE)
(P) WK ZN PAV MRK REMOV (W)(EXIT GORE)
(S) WK ZN PAV MRK REMOV (W)(DBL ARROW)
(T) WK ZN PAV MRK REMOV (W) 4" (DOT)
(U) WK ZN PAV MRK REMOV (W)(UTURN ARROW)
(V) REFL PAV MRKR TY II-C-R

STATE OF TEXAS
M. N. MOZAFFAR
85191
LICENSED
PROFESSIONAL ENGINEER

M. N. M
7/30/2012

0' 50' 100'
SCALE IN FEET

**I. S. ENGINEERS, LLC**
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

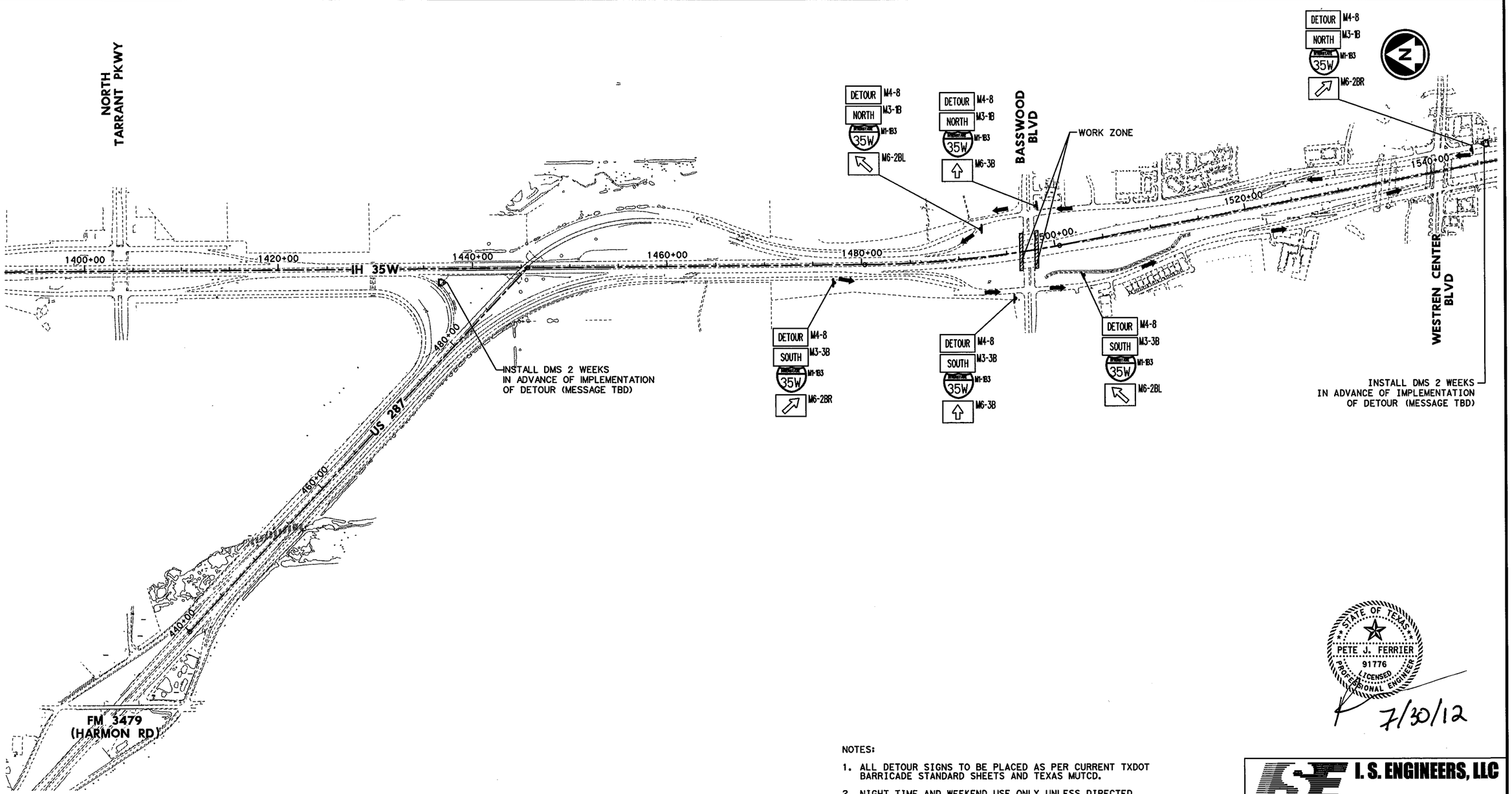
# TRAFFIC CONTROL PLAN
# PHASE 5B

SCALE 1" = 100'

SHEET 3 OF 3

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 624C |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCP51B_20.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. ALL DETOUR SIGNS TO BE PLACED AS PER CURRENT TXDOT BARRICADE STANDARD SHEETS AND TEXAS MUTCD.
2. NIGHT TIME AND WEEKEND USE ONLY UNLESS DIRECTED BY THE ENGINEER.
3. DETOUR TO BE APPLIED DURING PHASE 1 STEP 1 TO DETOUR IH 35W MAINLANE TRAFFIC AROUND BASSWOOD U-TURN OVERPASS CONSTRUCTION.
4. DETOUR WILL DIRECT IH 35W MAINLANE TRAFFIC TO USE BASSWOOD EXIT RAMPS, GO THROUGH BASSWOOD INTERSECTION, AND RE-ENTER IH 35W VIA BASSWOOD ENTRANCE RAMPS.

0 500 1000

STATE OF TEXAS
PETE J. FERRIER
91776
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# OFFSITE DETOUR PLAN
# IH 35W AT BASSWOOD BLVD

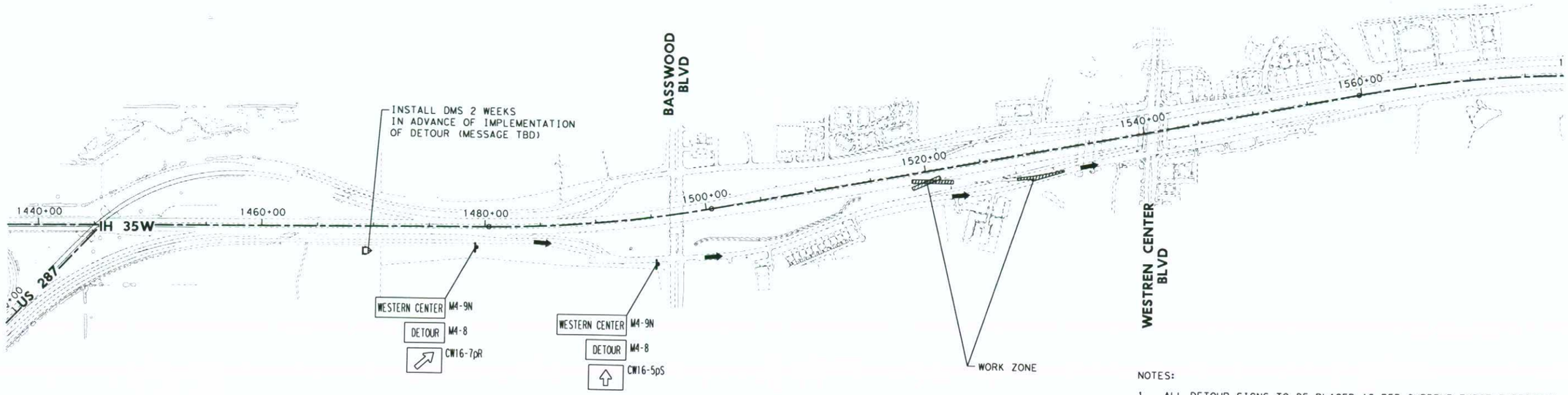
SCALE 1" = 1000'

SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 625 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCOD_01.dgn

DRAWING DATE: 7/30/2012




NOTES:

1. ALL DETOUR SIGNS TO BE PLACED AS PER CURRENT TXDOT BARRICADE STANDARD SHEETS AND TEXAS MUTCD.
2. DETOUR TO BE APPLIED DURING PHASE 1 STEP 2B TO DETOUR 35S-WC EXIT RAMP TRAFFIC AROUND BB-MLS ENTRANCE RAMP OVERPASS CONSTRUCTION.
4. DETOUR WILL DIRECT 35S-WC EXIT RAMP TRAFFIC TO USE TEMPORARY 35S-BB EXIT RAMP.

0 500 1000

STATE OF TEXAS
PETE J. FERRIER
91776
LICENSED
PROFESSIONAL ENGINEER
8/22/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## OFFSITE DETOUR PLAN
## 35S-WCB EXIT RAMP

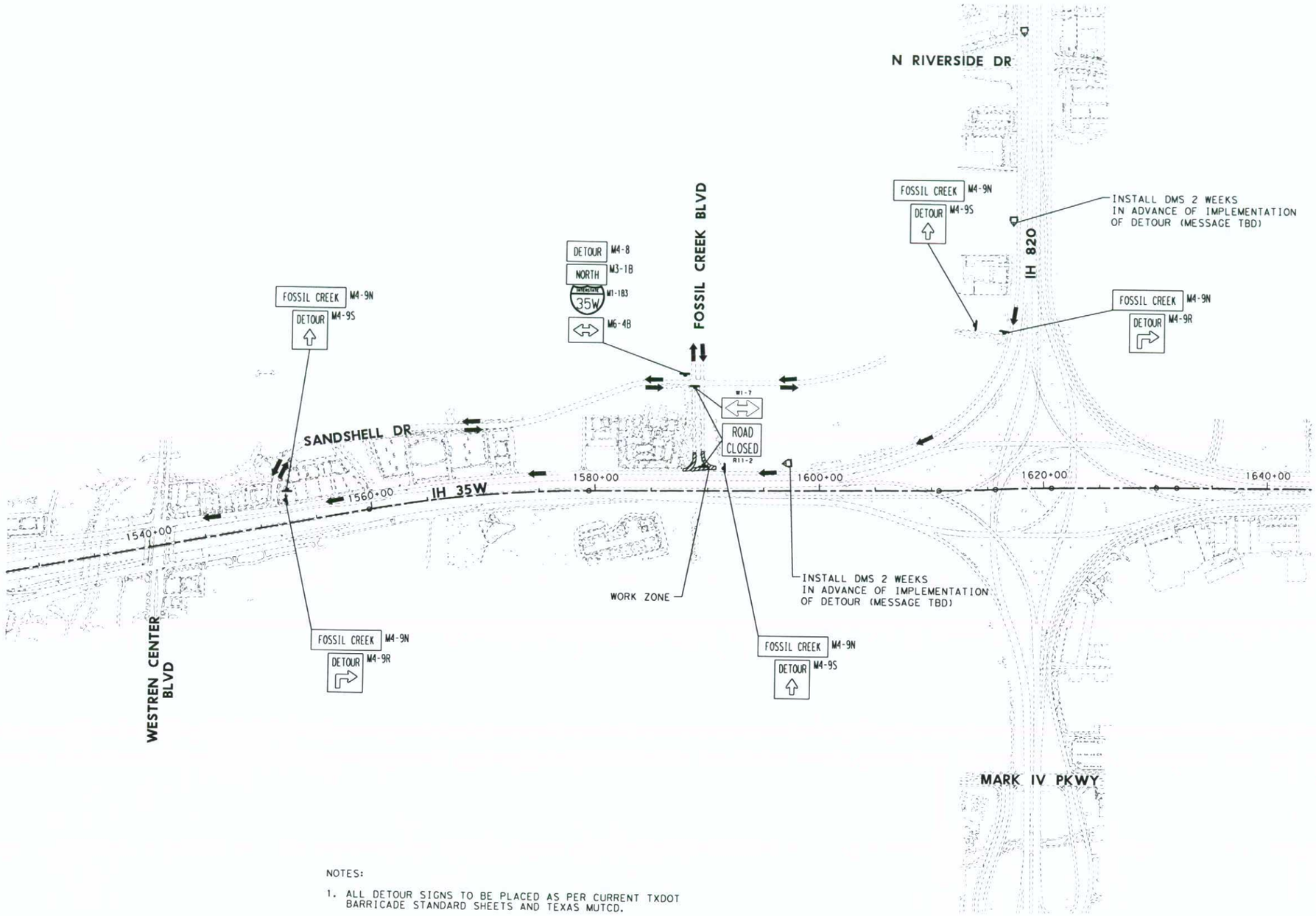
SCALE 1" = 1000'

SHEET 1 OF 1

| DESIGN | FED. RD. DIV. NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 626 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCOD*03.dgn

DRAWING DATE: 9/10/2012




NOTES:

1. ALL DETOUR SIGNS TO BE PLACED AS PER CURRENT TXDOT BARRICADE STANDARD SHEETS AND TEXAS MUTCD.
2. DETOUR TO BE APPLIED DURING PHASE 2 STEP 1 TO DETOUR FOSSIL CREEK BLVD TRAFFIC AROUND INTERSECTION CONSTRUCTION AT THE NB FRONTAGE ROAD.
3. DETOUR WILL DIRECT FOSSIL CREEK BLVD TRAFFIC TO SANDSHELL DR.

0 500 1000

STATE OF TEXAS
PETE J. FERRIER
91776
LICENSED
PROFESSIONAL ENGINEER
8/22/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

# OFFSITE DETOUR PLAN FOSSIL CREEK BLVD

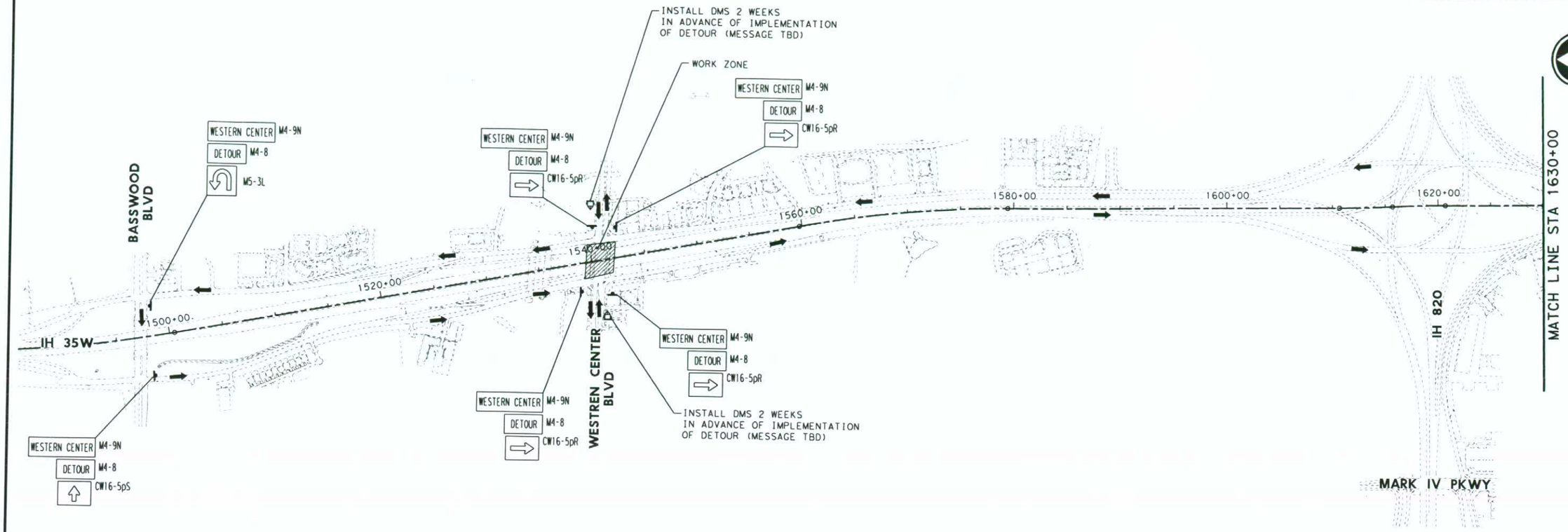
SCALE 1" = 1000'

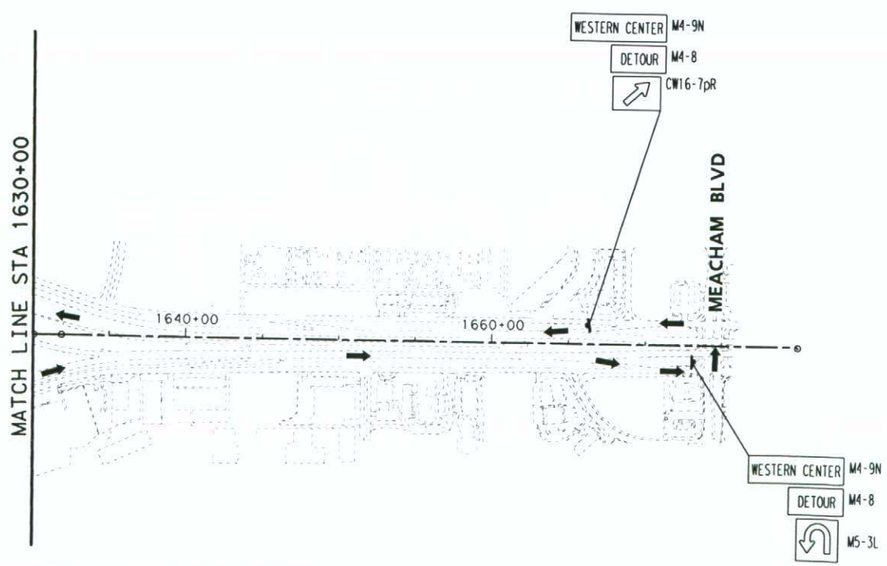
SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 627 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCOD*07.dgn

DRAWING DATE: 9/10/2012




NOTES:

1. ALL DETOUR SIGNS TO BE PLACED AS PER CURRENT TXDOT BARRICADE STANDARD SHEETS AND TEXAS MUTCD.
2. NIGHT TIME AND WEEKEND USE ONLY UNLESS DIRECTED BY THE ENGINEER.
3. DETOUR TO BE APPLIED TO DETOUR WESTERN CENTER BLVD TRAFFIC AROUND WESTERN CENTER BLVD INTERSECTION CONSTRUCTION DURING PHASE 2 STEP 2 AND AROUND IH 35W OVERPASS CONSTRUCTION DURING PHASE 2 STEP 3.
4. DETOUR WILL DIRECT WESTERN CENTER BLVD WB AND EB TRAFFIC TO USE BASSWOOD BLVD AND MEACHAM BLVD, RESPECTIVELY.

0 500 1000

STATE OF TEXAS
PETE J. FERRIER
91776
LICENSED
PROFESSIONAL ENGINEER
8/22/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## OFFSITE DETOUR PLAN
## WESTERN CENTER BLVD

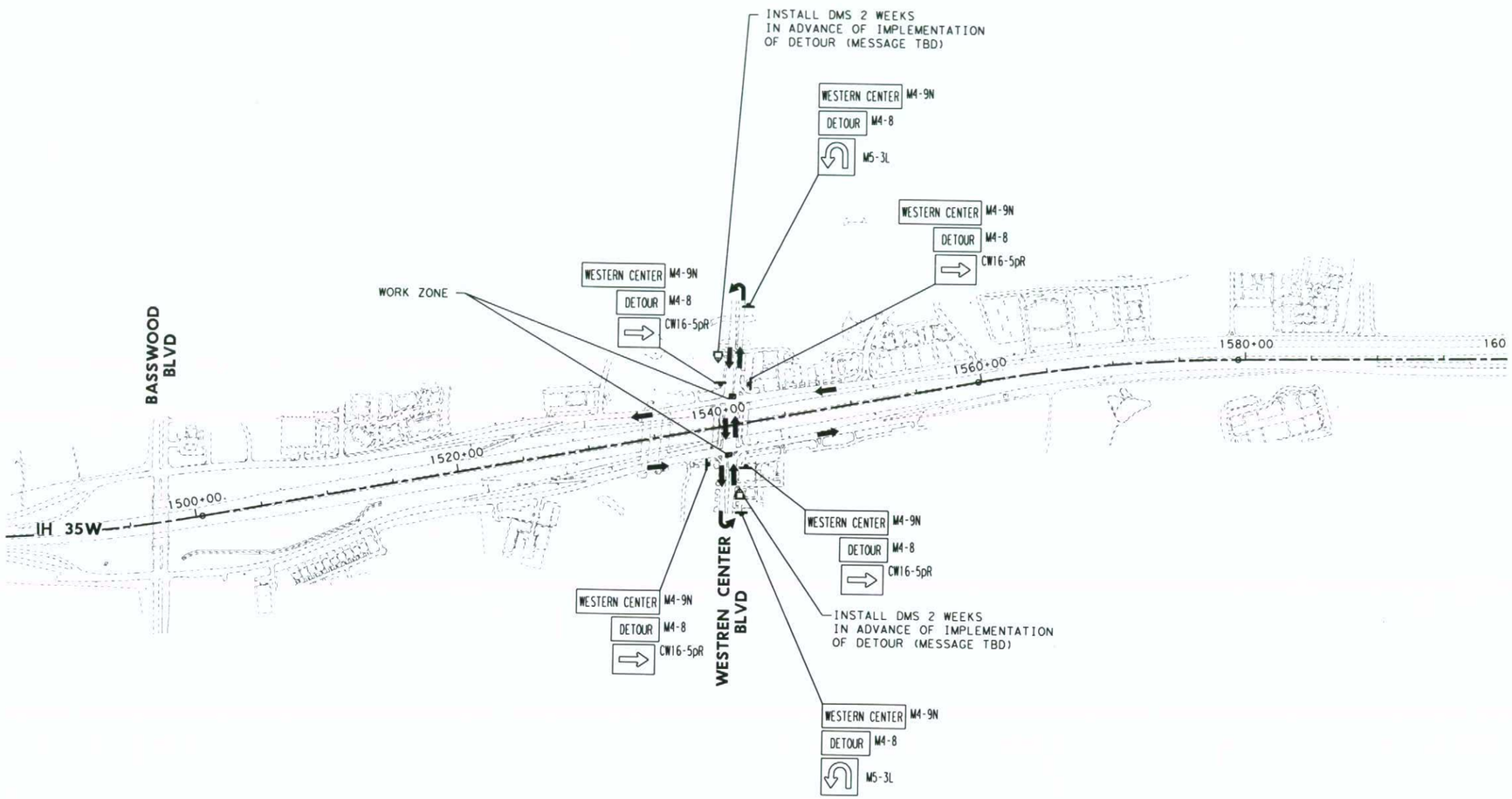
SCALE 1" = 1000'

SHEET 1 OF 1

| DESIGN | FED. RD. DIV. NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 628 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCOD*04.dgn

DRAWING DATE: 9/10/2012




NOTES:

1. ALL DETOUR SIGNS TO BE PLACED AS PER CURRENT TXDOT BARRICADE STANDARD SHEETS AND TEXAS MUTCD.
2. NIGHT TIME AND WEEKEND USE ONLY UNLESS DIRECTED BY THE ENGINEER.
3. DETOUR TO BE APPLIED TO DETOUR FRONTAGE ROAD TRAFFIC AROUND WESTERN CENTER BLVD INTERSECTION CONSTRUCTION DURING PHASE 2 STEP 2B.
4. DETOUR WILL DIRECT WESTERN CENTER BLVD WB AND EB TRAFFIC TO USE MEDIAN OPENING ALONG WESTREN CENTER BLVD TO COMPLETE U-TURN.

0 500 1000

STATE OF TEXAS
PETE J. FERRIER
91776
LICENSED
PROFESSIONAL ENGINEER
8/12/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

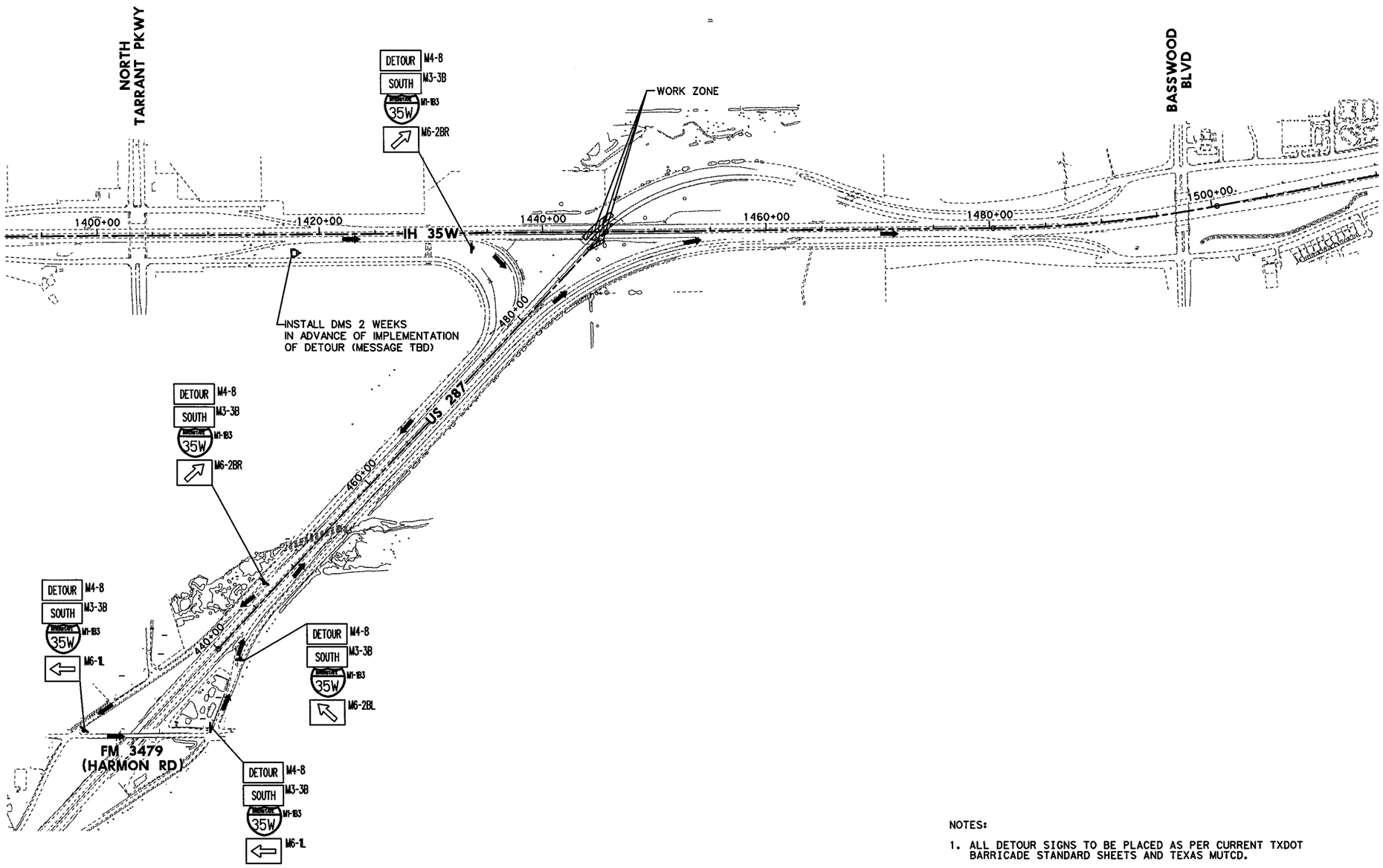
## OFFSITE DETOUR PLAN FRONTAGE ROADS AT WESTERN CENTER BLVD

SCALE 1" = 1000' SHEET 1 OF 1

| DESIGN | FED. RD. DIV. NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 629 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCOD*11.dgn

DRAWING DATE: 9/10/2012




NOTES:

1. ALL DETOUR SIGNS TO BE PLACED AS PER CURRENT TXDOT BARRICADE STANDARD SHEETS AND TEXAS MUTCD.
2. NIGHT TIME AND WEEKEND USE ONLY UNLESS DIRECTED BY THE ENGINEER.
3. DETOUR TO BE APPLIED DURING PHASE 2 STEP 3B, PHASE 3 STEP 1 AND PHASE 5 TO DETOUR IH 35W SB TRAFFIC AROUND US 287 OVERPASS CONSTRUCTION ALSO. AND EXISTING US 287 OVERPASS DEMOLITION.
4. DETOUR WILL DIRECT IH 35W SB MAINLANE TRAFFIC TO EXIT TO US 287 WB, EXIT AT FM 3479 (HARMON RD), MAKE A U-TURN, AND ENTER US 287 EB.

0 500 1000

STATE OF TEXAS
PETE J. FERRIER
91776
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

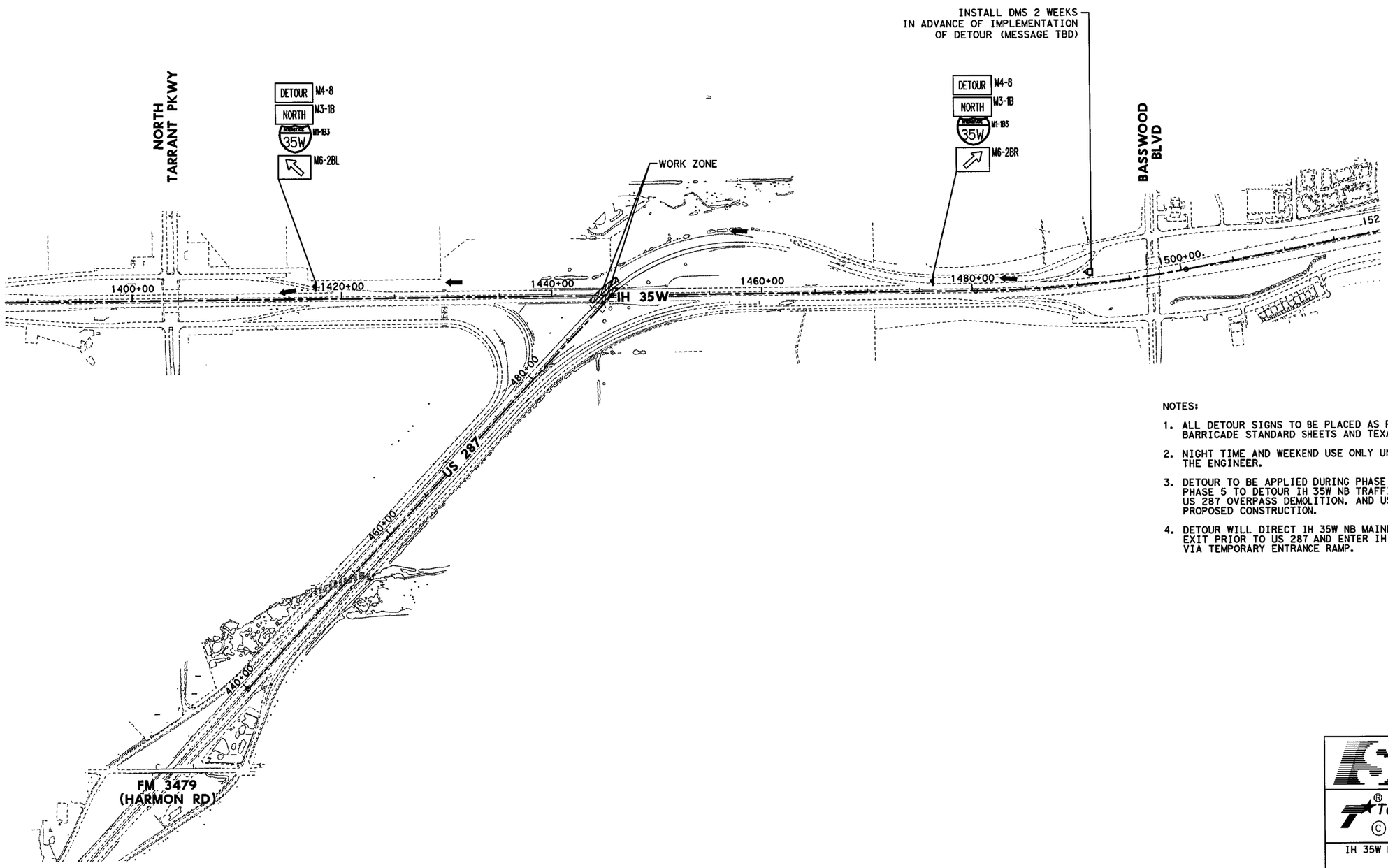
IH 35W FROM NORTH TARRANT PKWY TO IH 820

# OFFSITE DETOUR PLAN
# IH 35W SB AT US 287

SCALE 1" = 1000' SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 630 |
| CHECK SY | CONTROL 0014 | SECTION 16 | JOB 255, ETC. | |

FILENAME: S3BTCOD_02.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. ALL DETOUR SIGNS TO BE PLACED AS PER CURRENT TXDOT BARRICADE STANDARD SHEETS AND TEXAS MUTCD.
2. NIGHT TIME AND WEEKEND USE ONLY UNLESS DIRECTED BY THE ENGINEER.
3. DETOUR TO BE APPLIED DURING PHASE 3 STEP 1 AND PHASE 5 TO DETOUR IH 35W NB TRAFFIC AROUND EXISTING US 287 OVERPASS DEMOLITION. AND US 287 OVERPASS PROPOSED CONSTRUCTION.
4. DETOUR WILL DIRECT IH 35W NB MAINLANE TRAFFIC TO EXIT PRIOR TO US 287 AND ENTER IH 35W NB MAINLANES VIA TEMPORARY ENTRANCE RAMP.

STATE OF TEXAS
PETE J. FERRIER
91776
LICENSED
PROFESSIONAL ENGINEER

7/30/12

0 500 1000

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

## OFFSITE DETOUR PLAN
## IH 35W NB AT US 287

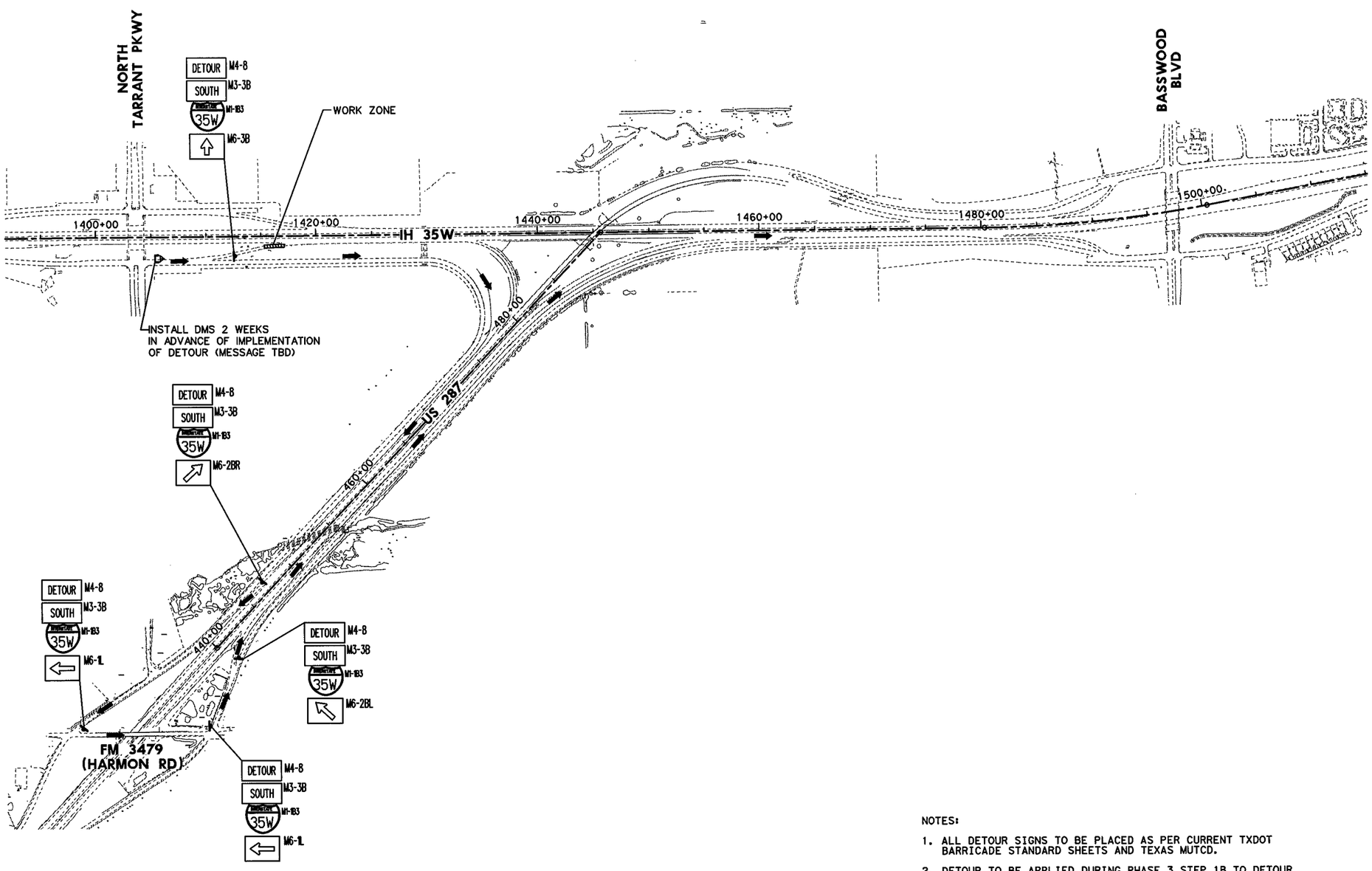
SCALE 1" = 100'

SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 630A |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCOD_05.dgn

DRAWING DATE: 7/30/2012




NOTES:

1. ALL DETOUR SIGNS TO BE PLACED AS PER CURRENT TXDOT BARRICADE STANDARD SHEETS AND TEXAS MUTCD.
2. DETOUR TO BE APPLIED DURING PHASE 3 STEP 1B TO DETOUR RAMP NTP-35S TRAFFIC AROUND IH 35W SGP CONSTRUCTION.
3. FOR PHASE 3 STEP 1B DETOUR WILL DIRECT RAMP NTP-35S TRAFFIC TO CONTINUE WITH SBFR, MAKE A U-TURN AT FM 3479 (HARMON RD) AND ENTER US 287 EB.
4. DETOUR WILL DIRECT RAMP NTP-35S TRAFFIC TO EXIT TO US 287 WB, EXIT AT FM 3479 (HARMON RD), MAKE A U-TURN, AND ENTER US 287 EB.

0 500 1000

STATE OF TEXAS
PETE J. FERRIER
91776
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

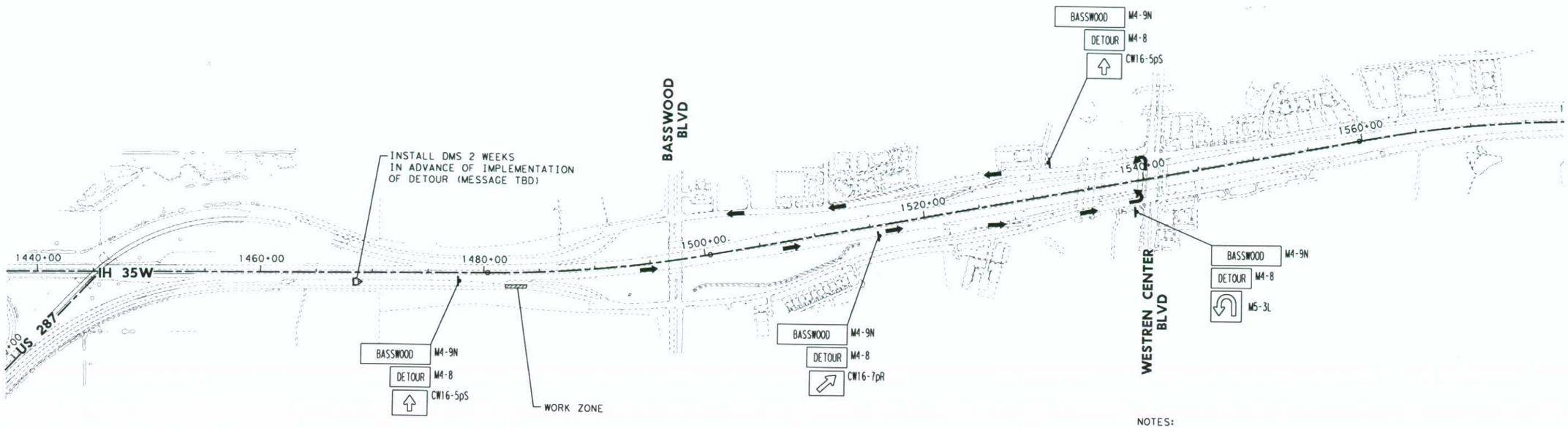
IH 35W FROM NORTH TARRANT PKWY TO IH 820

## OFFSITE DETOUR PLAN
## NTP-35S ENTRANCE RAMP

SCALE 1" = 1000' SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 630B |
| CHECK | CONTROL | SECTION | JOB | |
| PJF / SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCOD_09.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. ALL DETOUR SIGNS TO BE PLACED AS PER CURRENT TXDOT BARRICADE STANDARD SHEETS AND TEXAS MUTCD.
2. DETOUR TO BE APPLIED DURING PHASE 3 STEP 2B TO DETOUR 35S-BB EXIT RAMP TRAFFIC FOR PROPOSED RAMP 35S-BB CONSTRUCTION.
4. DETOUR WILL DIRECT 35S-BB EXIT RAMP TRAFFIC TO USE TEMPORARY 35S-WCB EXIT RAMP.

STATE OF TEXAS
PETE J. FERRIER
91776
LICENSED
PROFESSIONAL ENGINEER
8/22/12

0 500 1000

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**OFFSITE DETOUR PLAN**
**35S-BB EXIT RAMP**

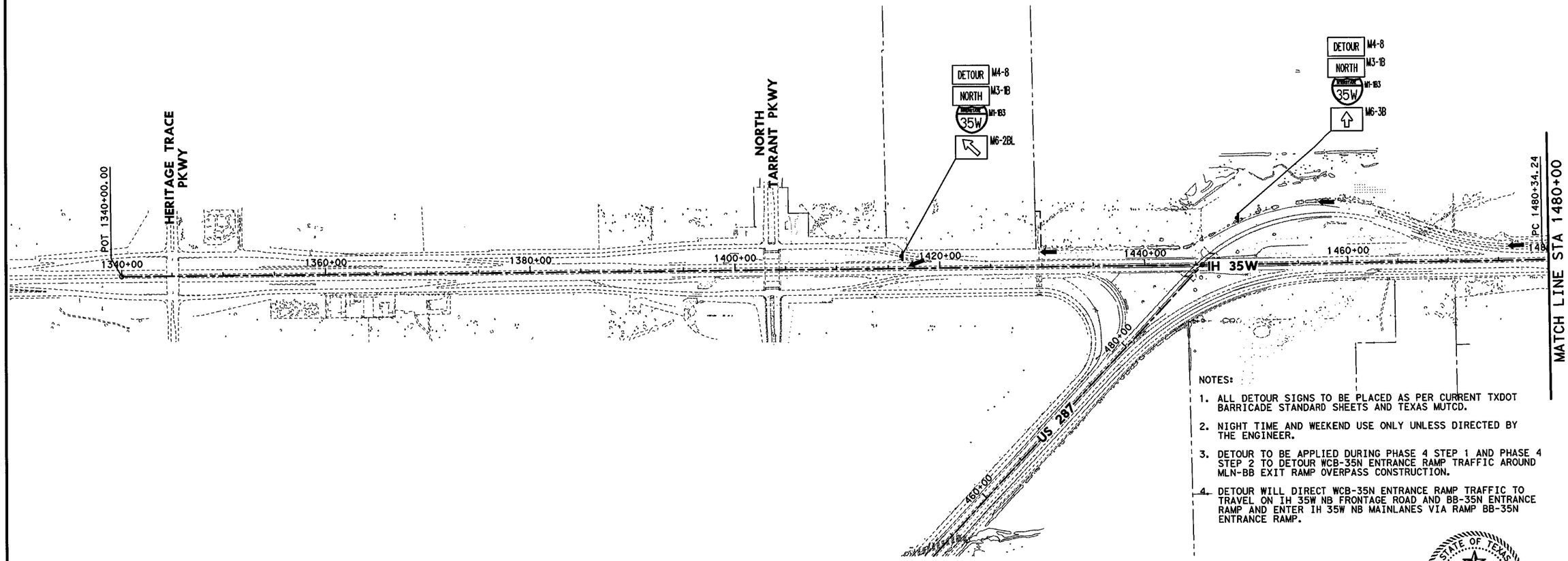
SCALE 1" = 1000'

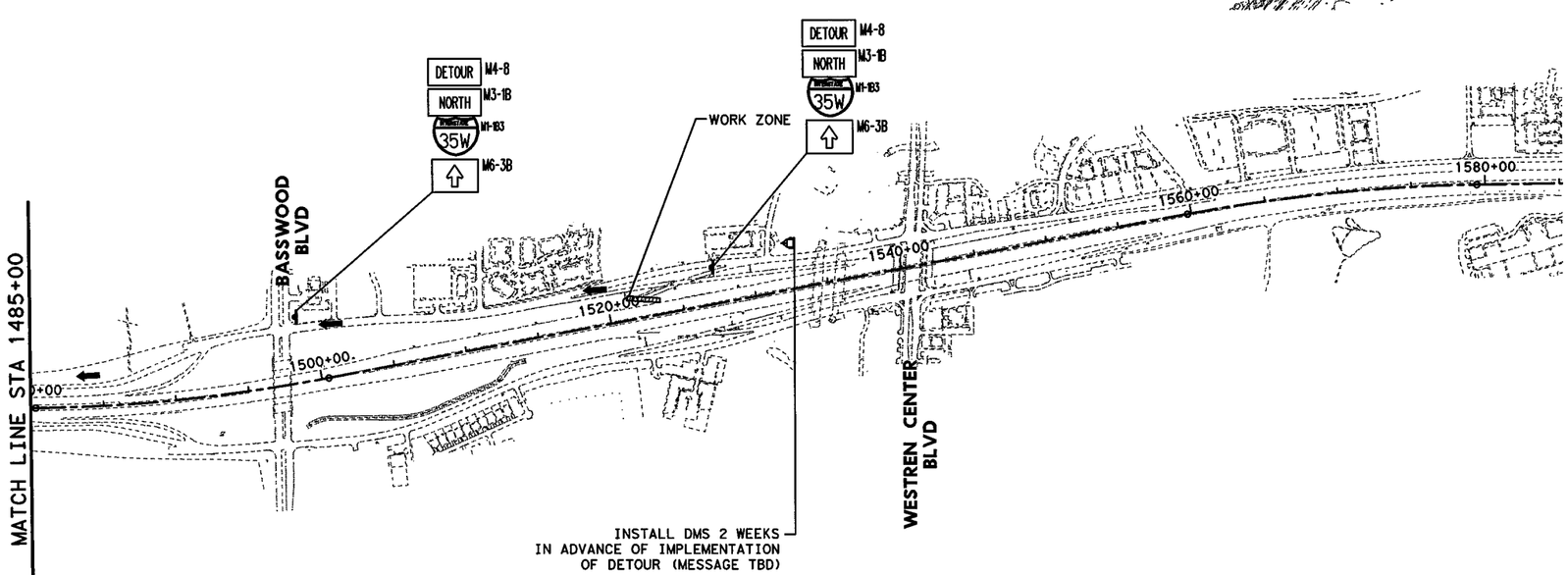
SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 630C |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCOD#12.dgn

DRAWING DATE: 9/10/2012




NOTES:

1. ALL DETOUR SIGNS TO BE PLACED AS PER CURRENT TXDOT BARRICADE STANDARD SHEETS AND TEXAS MUTCD.
2. NIGHT TIME AND WEEKEND USE ONLY UNLESS DIRECTED BY THE ENGINEER.
3. DETOUR TO BE APPLIED DURING PHASE 4 STEP 1 AND PHASE 4 STEP 2 TO DETOUR WCB-35N ENTRANCE RAMP TRAFFIC AROUND MLN-BB EXIT RAMP OVERPASS CONSTRUCTION.
4. DETOUR WILL DIRECT WCB-35N ENTRANCE RAMP TRAFFIC TO TRAVEL ON IH 35W NB FRONTAGE ROAD AND BB-35N ENTRANCE RAMP AND ENTER IH 35W NB MAINLANES VIA RAMP BB-35N ENTRANCE RAMP.

STATE OF TEXAS
PETE J. FERRIER
91776
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

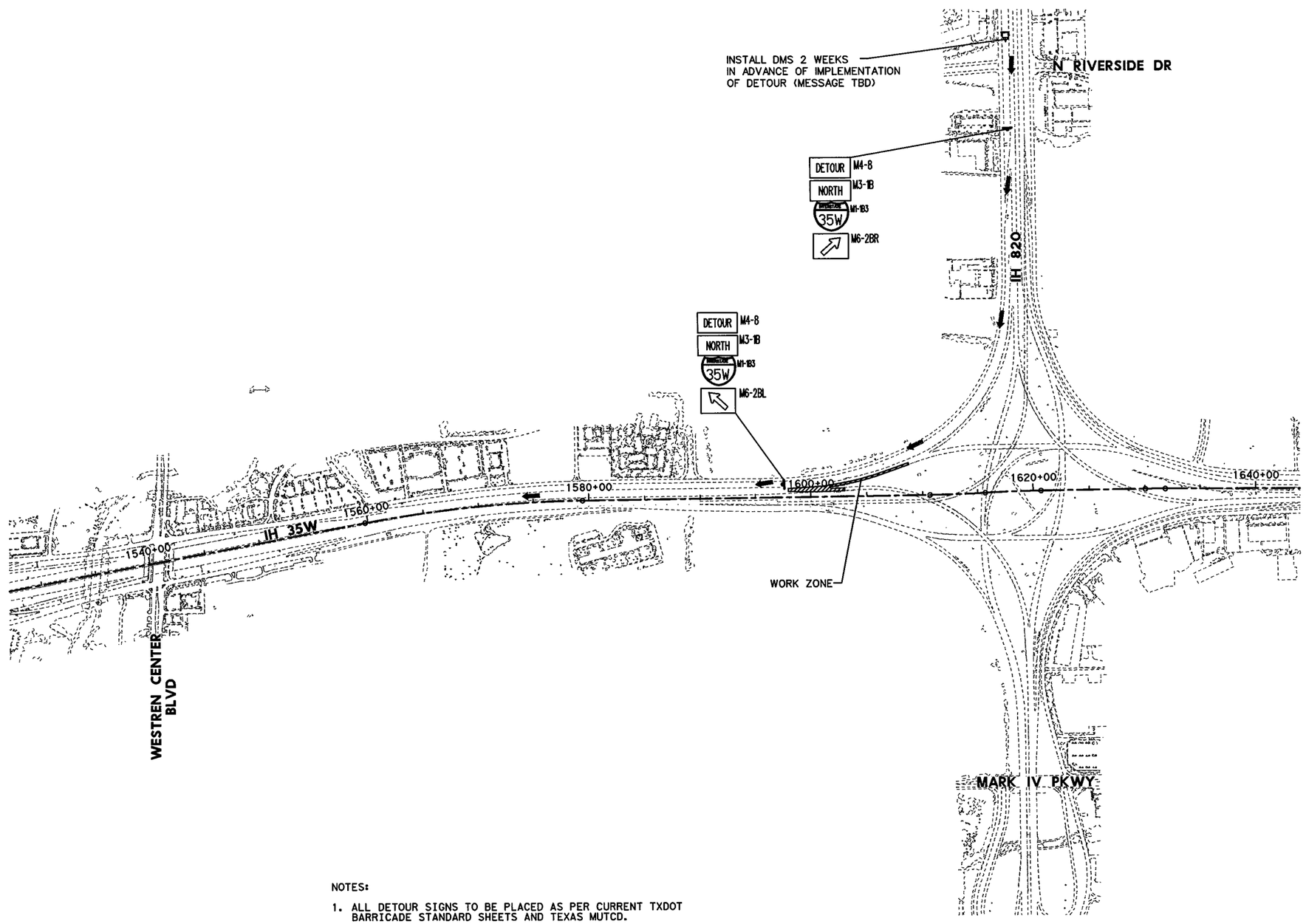
IH 35W FROM NORTH TARRANT PKWY TO IH 820

## OFFSITE DETOUR PLAN
## WCB-35N ENTRANCE RAMP

SCALE 1" = 1000' SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 630D |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTCOD_06.dgn
DRAWING DATE: 7/30/2012




NOTES:

1. ALL DETOUR SIGNS TO BE PLACED AS PER CURRENT TXDOT BARRICADE STANDARD SHEETS AND TEXAS MUTCD.

2. DETOUR TO BE APPLIED DURING PHASE 5 AND 5B TO DETOUR DC IH 820 WB TO IH 35W NB TRAFFIC AROUND DC CONSTRUCTION.

3. DETOUR WILL DIRECT DC IH 820 WB TO IH 35W NB TRAFFIC TO EXIT TO THE NB FRONTAGE ROAD THROUGH WESTERN CENTER BLVD EXIT RAMP, CONTINUE ON NB FRONTAGE ROAD AND THEN ENTER TO IH 35W NB THROUGH A TEMPORARY ENTRANCE RAMP.

0 500 1000

STATE OF TEXAS
PETE J. FERRIER
91776
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

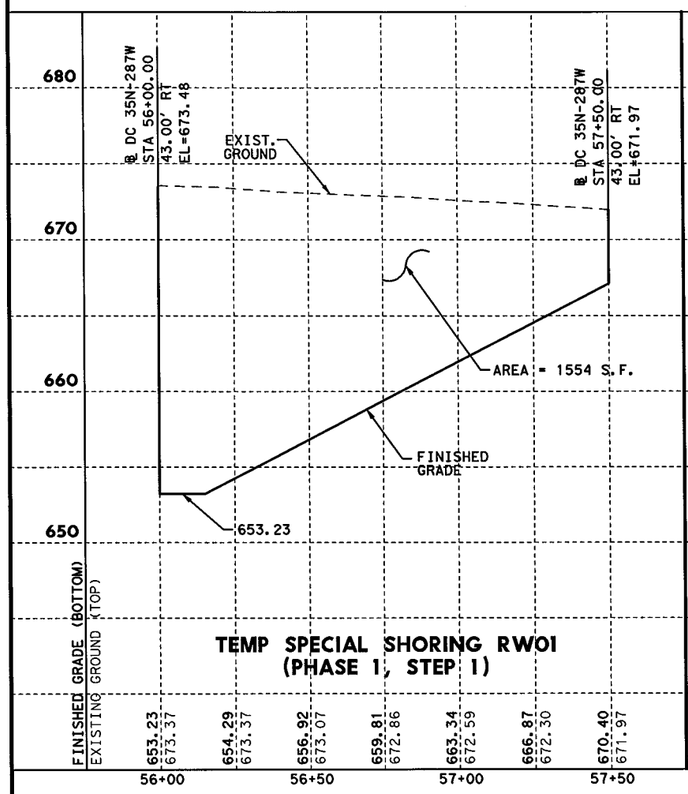
# OFFSITE DETOUR PLAN
# DC 820W-35N

SCALE 1" = 1000'

SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS ZS | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK PJF | TEXAS | FTW | TARRANT | 630E |
| CHECK | CONTROL | SECTION | JOB | |
| SY | 0014 | 16 | 255, ETC. | |

DRAWING DATE: 7/30/2012 FILENAME: S3BTCOD_08.dgn




**TEMP SPECIAL SHORING RW01**
**(PHASE 1, STEP 1)**

HORZ 0' 25' 50'
VERT 0' 5' 10'
SCALE IN FEET

STATE OF TEXAS
SHAFEE YUSUF
94963
LICENSED
PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

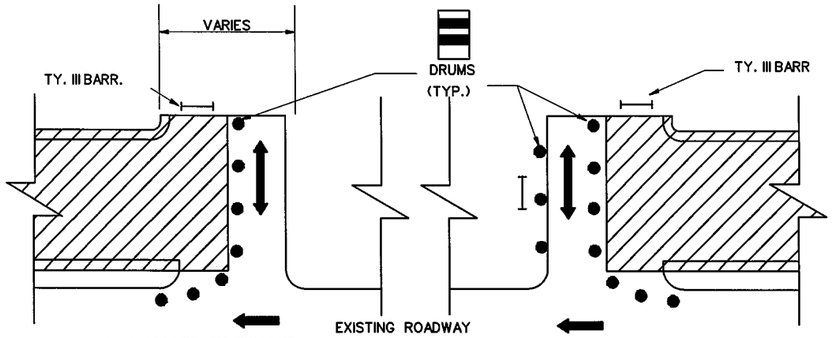
**TEMPORARY RETAINING WALL DETAIL SHEET**

SCALE: 1" = 50' H, 1" = 10' V

SHEET 1 OF 1

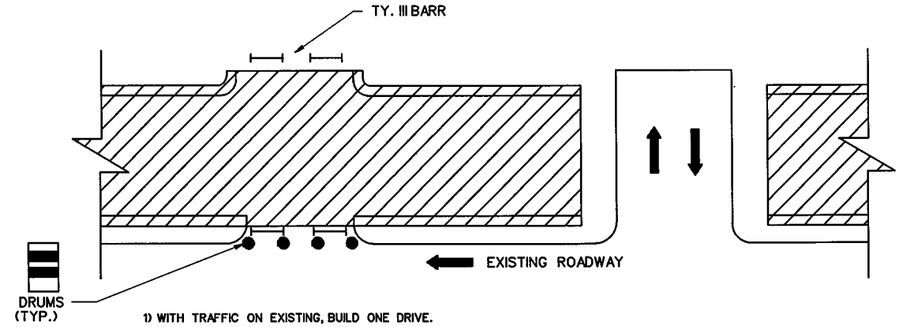
| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 631 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

FILENAME: S3BTRW_01.dgn
DRAWING DATE: 7/30/2012

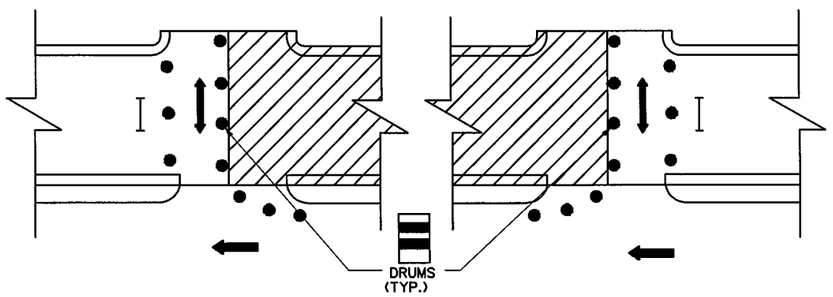



1) WITH TRAFFIC ON EXISTING
BUILD ONE-HALF OF DRIVE.

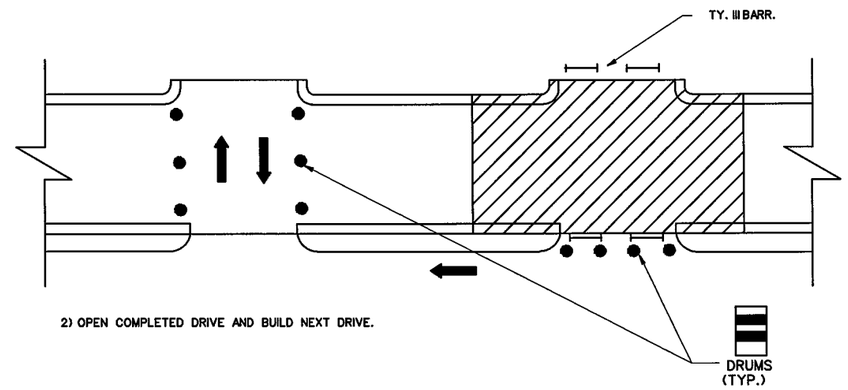
2) BUILD OTHER HALF OF DRIVE



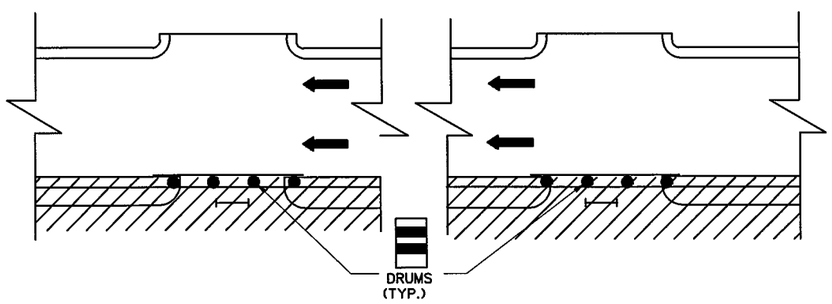

1) WITH TRAFFIC ON EXISTING, BUILD ONE DRIVE.




2) BUILD OTHER HALF OF DRIVE



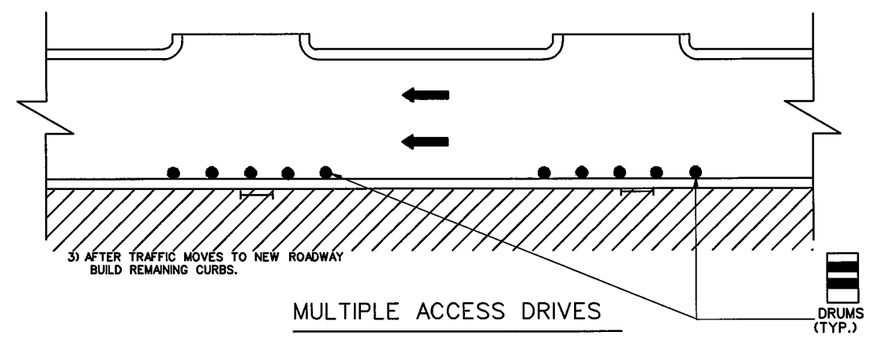

2) OPEN COMPLETED DRIVE AND BUILD NEXT DRIVE.




3) OPEN DRIVE

4) AFTER TRAFFIC MOVES TO NEW ROADWAY,
BUILD REMAINING CURB.

SINGLE ACCESS DRIVES




3) AFTER TRAFFIC MOVES TO NEW ROADWAY
BUILD REMAINING CURBS.

MULTIPLE ACCESS DRIVES

STATE OF TEXAS
PETE J. FERRIER
91776
LICENSED
PROFESSIONAL ENGINEER

7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**CONSTRUCTION SEQUENCE FOR MISC DRIVEWAYS**

SCALE: NTS — SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| SY | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 632 |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BTCDWD01.DGN

DRAWING DATE: 7/30/2012

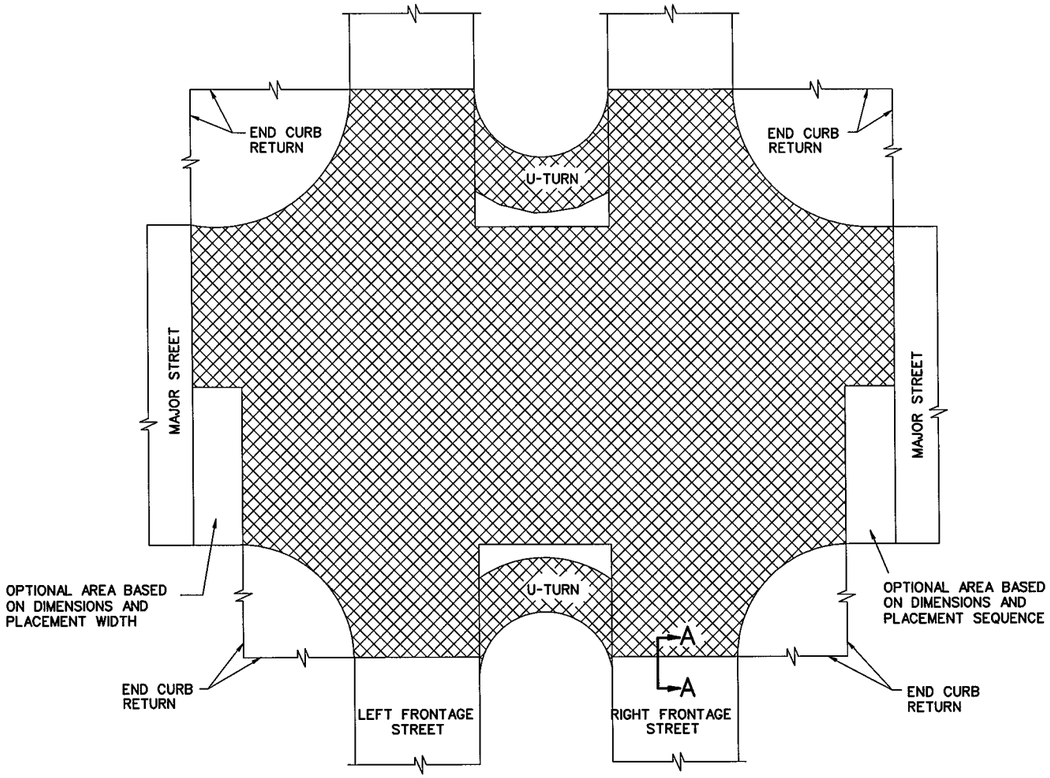



FIGURE 2

INTERSECTION OF MAJOR STREET WITH FRONTAGE STREET

FAST TRACK PAVING AREA

## TYPICAL PAVING PLANS

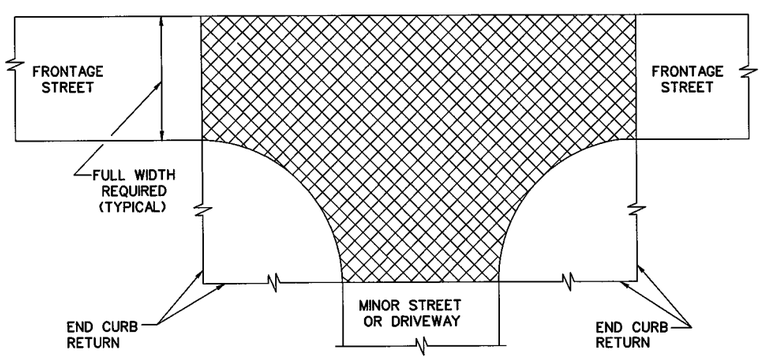



FIGURE 3

INTERSECTION OF MINOR STREET OR DRIVEWAY WITH FRONTAGE STREET

## LEGEND

ASB - ASPHALT STABILIZED BASE
CONST JT - CONSTRUCTION JOINT
CRCP - CONTINUOUSLY REINFORCED CONCRETE PAVEMENT
D - DIAMETER
LTS - LIME TREATED SUBGRADE
PCTB - PORTLAND CEMENT TREATED BASE

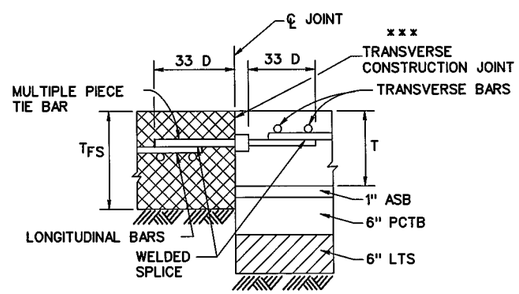
TABLE 1

| EQUIVALENT PAVEMENT THICKNESS | |
|---|---|
| $T^{*}_{(IN.)}$ | $T^{**}_{FS(IN.)}$ |
| <=12" | T+3" |
| >12" | 15" |

* WITH BASE STRUCTURE OF:
1" ASPHALT BOND BREAKER
6" PORTLAND CEMENT TREATED BASE
6" LIME TREATED SUBGRADE

** ON AS CUT SUBGRADE

*** SEE JOINT SEALING DETAILS ON CRCP STANDARDS




SINGLE MAT

## TRANSVERSE CONSTRUCTION JOINTS

SECTION A - A
FIGURE 1

GENERAL NOTES

1. DEFINITION OF TERMS

   $T_{FS}$ - FAST TRACK CONCRETE PAVING DEPTH AT INTERSECTIONS AND LEAVE OUTS.
   T - NOMINAL CONCRETE PAVING DEPTH AS SHOWN IN THE PLANS.
   DETERMINE FAST TRACK CONCRETE PAVING DEPTH USING TABLE 1 AND THE NOMINAL CONCRETE PAVING DEPTH "T" SHOWN IN THE PLANS.

2. AT INTERSECTIONS AND LEAVE-OUT LOCATIONS USE THE SAME LONGITUDINAL AND TRANSVERSE BAR SPACING FOR THE FAST TRACK PAVING AREA AS THAT USED FOR THE ADJACENT CONCRETE PAVING DEPTH "T" (EXCEPT BAR SIZE SHALL BE #7 ON SINGLE MAT). FOR SINGLE MAT FAST TRACK PAVING, PLACE THE LONGITUDINAL AND TRANSVERSE BARS FOR THE FAST TRACK PAVING AREA AT THE HORIZONTAL PLANE ELEVATION THAT IS TWO TIE-BAR DIAMETERS LOWER THAN THAT USED FOR THE ADJACENT CONCRETE PAVEMENT DEPTH "T", AS SHOWN IN FIGURE 1. USE SINGLE MAT STEEL IN FAST TRACK PAVING AREAS ADJACENT TO PAVEMENT SLABS WITH SINGLE MAT REINFORCING. USE DOUBLE MAT STEEL IN FAST TRACK PAVING AREAS ADJACENT TO PAVEMENT SLABS WITH DOUBLE MAT REINFORCING.

3. THE REQUIRED FAST TRACK PAVING AREAS WILL BE SHOWN ON THE PLANS. THE CONTRACTOR HAS THE OPTION TO UTILIZE FAST TRACK CONCRETE PAVING AT U-TURNS, AT INTERSECTIONS, AT MINOR STREETS, AND AT DRIVEWAYS WITH FRONTAGE ROAD LEAVE-OUT AREAS THAT ARE NOT SHOWN ON THE PLANS, WITH PRIOR WRITTEN APPROVAL FROM THE ENGINEER. TYPICAL PAVING PLANS FOR THE INTERSECTION OF A MAJOR STREET WITH THE FRONTAGE ROAD ARE SHOWN AS FIGURE 2, AND FOR THE INTERSECTION OF A MINOR STREET OR DRIVEWAY WITH THE FRONTAGE ROAD AS FIGURE 3. FAST TRACK PAVE THE FRONTAGE ROAD FOR THE FULL FRONTAGE ROAD WIDTH AND PLACE IN STAGES AS REQUIRED.

4. USE ADDITIONAL #6 REINFORCING STEEL BARS (MINIMUM 42 INCHES LONG) AND SPACE THEM MIDWAY BETWEEN ALTERNATE LOGITUDINAL BARS ALONG THE THE TRANSVERSE CONSTRUCTION JOINT FORMED AT THE FAST TRACK PAVING INTERFACE ($T_{FS}$ WITH THE ADJACENT PAVEMENT SLAB (T).

5. SPLICE LENGTH IS A MINIMUM OF 33 TIMES THE NOMINAL STEEL DIAMETER.

6. PLACE THE CONCRETE PLACEMENT AT A UNIFORM DEPTH THROUGHOUT THE FAST TRACK CONCRETE PAVING AREA.

7. FOR CONTINUOUS SECTIONS OF ROADWAY WHERE FAST TRACK PAVING IS THE PRIMARY PAVEMENT TYPE, USE THE BAR SIZE AND SPACING FROM THE CRCP STANDARDS THAT CORRESPONDS TO THE FAST TRACK SLAB THICKNESS.

8. USE LONGITUDINAL TIE-BARS OF THE SAME SIZE DIAMETER AND SPACING AS THE LONGITUDINAL BAR. A SINGLE PIECE TIE-BAR MAY BE USED IF THE 33 TIMES DIAMETER TIE-BAR PROJECTION DOES NOT INTERFERE WITH THE SAFE HANDLING OF TRAFFIC.

9. BASE THE DEPTH OF SAW CUTS FOR SAWED JOINTS ON THE FAST TRACK CONCRETE PAVEMENT THICKNESS.

10. THIS STANDARD IS NOT INTENDED TO REPLACE OTHER STANDARDS EXCEPT WHERE SPECIFICALLY STATED HEREON. FOR PAVING DETAILS NOT SHOWN ON THIS DRAWING, REFER TO THE STANDARD SHEETS FOR CONTINUOUSLY REINFORCED CONCRETE PAVEMENT SHOWN ELSEWHERE IN THE PLANS.

STATE OF TEXAS
SHAFEE YUSUF
94968
LICENSED PROFESSIONAL ENGINEER
7/30/12

I. S. ENGINEERS, LLC
TBPE REG. # F-11657

Texas Department of Transportation
© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

**FAST TRACK CONTINUOUSLY REINFORCED CONCRETE PAVEMENT DETAILS**

SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| ZS | 6 | (SEE TITLE SHEET) | | IH 35W |
| GRAPHICS | STATE | DISTRICT | COUNTY | SHEET NO. |
| ZS | TEXAS | FTW | TARRANT | 632A |
| CHECK | CONTROL | SECTION | JOB | |
| PJF | 0014 | 16 | 255, ETC. | |
| CHECK | | | | |
| SY | | | | |

FILENAME: S3BCRCP-FT.dgn
DRAWING DATE: 7/30/2012

Barricade and Construction (BC) Standard Sheets General Notes:

1. The Barricade and Construction Standard Sheets (BC sheets) are intended to show typical examples for placement of temporary traffic control devices, construction pavement markings, and typical work zone signs. The information contained in these sheets meet or exceed the requirements shown in the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
2. The development and design of the Traffic Control Plan (TCP) is the responsibility of the Engineer.
3. The Contractor may propose changes to the TCP that are signed and sealed by a licensed professional engineer for approval. The Engineer may develop, sign and seal Contractor proposed changes.
4. The Contractor is responsible for installing and maintaining the traffic control devices as shown in the plans. The Contractor may not move or change the approximate location of any device without the approval of the Engineer.
5. Geometric design of lane shifts and detours should, when possible, meet the applicable design criteria contained in manuals such as the American Association of State Highway and Transportation Officials (AASHTO), "A Policy on Geometric Design of Highways and Streets", the TxDOT "Roadway Design Manual" or engineering judgment.
6. When projects abut, the Engineer(s) may omit the END ROAD WORK, TRAFFIC FINES DOUBLE, and other advance warning signs if the signing would be redundant and the work areas appear continuous to the motorists. If the adjacent project is completed first, the Contractor shall erect the necessary warning signs as shown on these sheets, the TCP sheets or as directed by the Engineer. The BEGIN ROAD WORK NEXT X MILES sign shall be revised to show appropriate work zone distance.
7. The Engineer may require duplicate warning signs on the median side of divided highways where median width will permit and traffic volumes justify the signing.
8. All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition. Sign details not shown in this manual shall be shown in the plans or the Engineer shall provide a detail to the Contractor before the sign is manufactured.
9. The temporary traffic control devices shown in the illustrations of the BC sheets are examples. As necessary, the Engineer will determine the most appropriate traffic control devices to be used.
10. As shown on BC(2), the OBEY WARNING SIGNS STATE LAW sign and the WORK ZONE TRAFFIC FINES DOUBLE sign with plaque shall be erected in advance of the CSJ limits. The BEGIN ROAD WORK NEXT X MILES, CONTRACTOR and END ROAD WORK signs shall be erected at or near the CSJ limits.
11. Except for devices required by Note 10, traffic control devices should be in place only while work is actually in progress or a definite need exists.
12. The Engineer has the final decision on the location of all traffic control devices.
13. Inactive equipment and work vehicles, including workers' private vehicles must be parked away from travel lanes. They should be as close to the right-of-way line as possible, or located behind a barrier or guardrail, or as approved by the Engineer.

Worker Safety Apparel Notes:

1. Workers on foot who are exposed to traffic or to construction equipment within the right-of-way shall wear high-visibility safety apparel meeting the requirements of ISEA "American National Standard for High-Visibility Apparel" labeled as ANSI 107-2004 standard performance for Class 2 or 3 risk exposure. Class 3 garments should be considered for high traffic volume work areas or night time work.

Only pre-qualified products shall be used. The "Compliant Work Zone Traffic Control Devices List" (CWZTCD) describes prequalified products and their sources and may be found on-line at the web address given below or by contacting:

Texas Department of Transportation
Traffic Operations Division - TE
Phone (512) 416-3134

WEB ADDRESSES FOR REFERENCED DOCUMENTS

Compliant Work Zone Traffic Control Devices List (CWZTCD)
http://www.txdot.gov/publications/traffic.htm

Texas Manual on Uniform Traffic Control Devices (TMUTCD)
http://www.txdot.gov/publications/traffic.htm

Standard Highway Sign Designs for Texas (SHSD)
http://www.txdot.gov/publications/traffic.htm

Traffic Engineering Standard Sheets
http://www.txdot.gov/business/disclaim.htm

Material Producer List
http://www.txdot.gov/business/producer-list.htm

Departmental Material Specifications (DMS)
http://www.txdot.gov/services/construction/material-specifications/

Roadway Design Manual
http://www.txdot.gov/services/general-services/manuals.htm

Texas Department of Transportation
Traffic Operations Division

BARRICADE AND CONSTRUCTION GENERAL NOTES AND REQUIREMENTS

1 of 12 BC(1)-07

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

©TxDOT 11-4-02

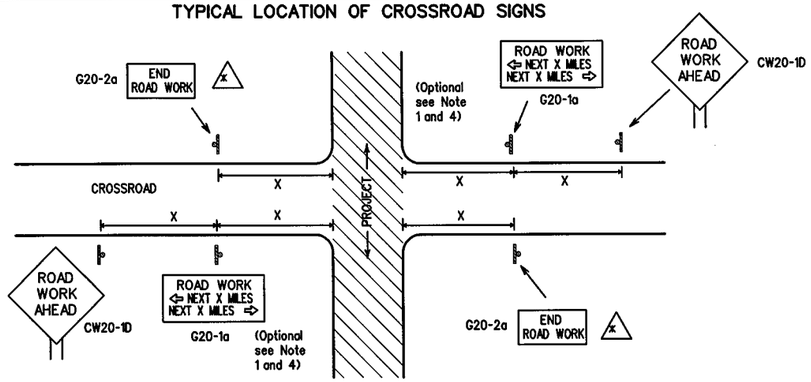
| REVISIONS | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| 4-03 | CONT | SECT | JOB | HIGHWAY |
| 9-07 | 0014 | 16 | 255, ETC. | IH 35W |
| | DIST | | COUNTY | SHEET NO. |
| | FTW | | TARRANT | 633 |

DATE:
FILE:

101

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

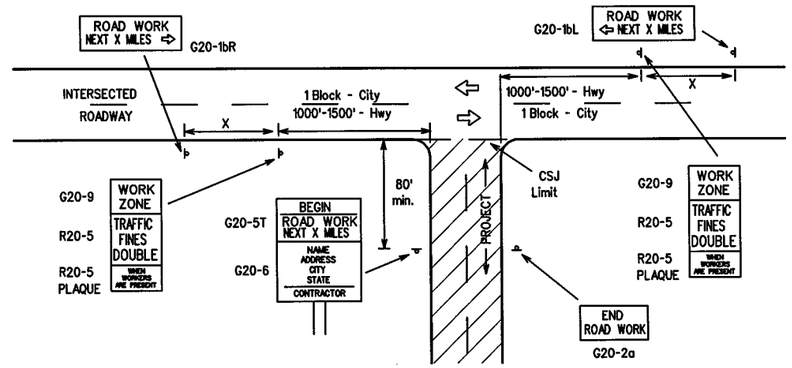
## TYPICAL LOCATION OF CROSSROAD SIGNS




(x) May be mounted on back of CW20-1D sign with approval of engineer. (See note 2 below)

1. The typical minimum signing on a crossroad approach should be a CW20-1D ROAD WORK AHEAD sign and a G20-2a END ROAD WORK sign, unless noted otherwise in plans.
2. The Engineer may use the reduced size 36" x 36" ROAD WORK AHEAD (CW20-1D) sign mounted back to back with the reduced size 36" x 18" END ROAD WORK (G20-2a) sign on low volume crossroads (see Note 4 under "Typical Construction Warning Sign Size and Spacing"). See the "Standard Highway Sign Designs for Texas" manual for sign details. The Engineer may omit the advance warning signs on low volume crossroads. The Engineer will determine whether a road is low volume. This information shall be shown in the plans.
3. Based on existing field conditions, the Engineer/Inspector may require additional signs such as FLAGGER AHEAD, LOOSE GRAVEL, or other appropriate signs. When additional signs are required, these signs will be considered part of the minimum requirements. The Engineer/Inspector will determine the proper location and spacing of any sign not shown on the BC sheets, Traffic Control Plan sheets or the Work Zone Standard Sheets.
4. The G20-1a sign shall be required at high volume crossroads to advise motorists of the length of construction in either direction from the intersection. The Engineer will determine whether a roadway is considered high volume.
5. Additional traffic control devices may be shown elsewhere in the plans for higher volume crossroads.
6. When work occurs in the intersection area, appropriate traffic control devices, as shown elsewhere in the plans or as determined by the Engineer/Inspector, shall be in place.

## T-INTERSECTION




CSJ LIMITS AT T-INTERSECTION

1. The Engineer will determine the types and location of any additional traffic control devices, such as a flagger and accompanying signs, or other signs, that should be used when work is being performed at or near an intersection.
2. If construction closes the road at a T-intersection the Contractor shall place the G20-6 "Contractor Name" sign behind the Type III Barricades for the road closure (see BC(10) also). The G20-1bL and G20-1bR signs shall be replaced by the detour signing called for in the plans.

## TYPICAL CONSTRUCTION WARNING SIGN SIZE AND SPACING [4,5,6]

### SIZE

| Sign Number or Series | Conventional Road | Expressway/ Freeway |
|---|---|---|
| CW20 [4], CW21, CW22, CW23, CW25 | 48" x 48" | 48" x 48" |
| CW1, CW2, CW7, CW8, CW9, CW11, CW14 | 36" x 36" | 48" x 48" |
| CW3, CW4, CW5, CW6, CW8-3, CW10, CW12 | 48" x 48" | 48" x 48" |

### SPACING

| Posted Speed | Sign Spacing "X" Δ |
|---|---|
| MPH | Feet (Apprx.) |
| 30 | 120 |
| 35 | 160 |
| 40 | 240 |
| 45 | 320 |
| 50 | 400 |
| 55 | 500 [2] |
| 60 | 600 [2] |
| 65 | 700 [2] |
| 70 | 800 [2] |
| 75 | 900 [2] |
| 80 | 1000 [2] |
| * | * [3] |

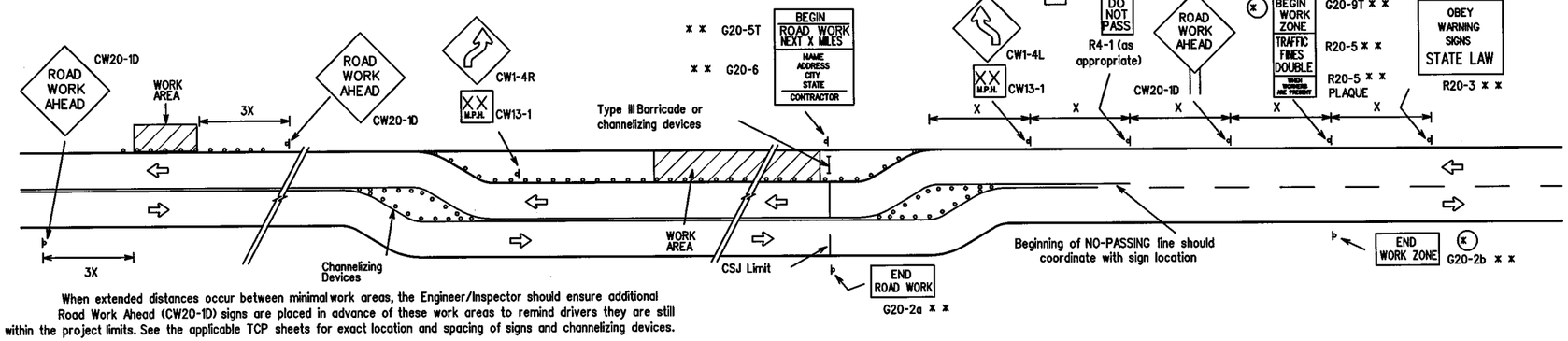
* For typical sign spacings on divided highways, expressways and freeways, see Part 6 of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) typical application diagrams or TCP Standard Sheets.

Δ Minimum distance from work area to first Advance Warning sign nearest the work area and/or distance between each additional sign.

General Notes:

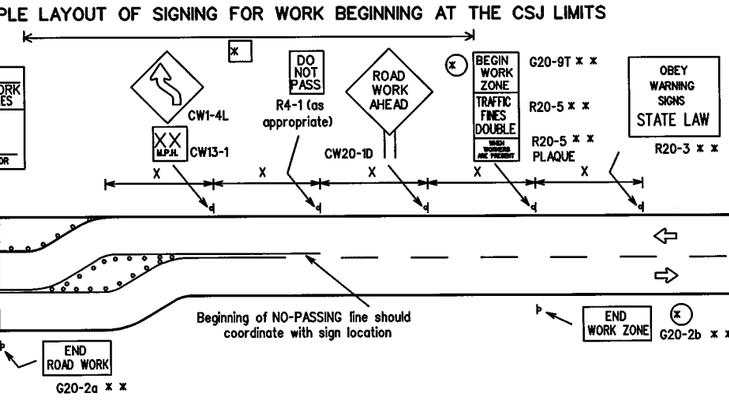
1. Special or larger size signs may be used as necessary.
2. Distance between signs should be increased as required to have 1500 feet advance warning.
3. Distance between signs should be increased as required to have ½ mile or more advance warning.
4. 36" x 36" ROAD WORK AHEAD (CW20-1D) signs may be used on low volume crossroads at the discretion of the Engineer. See Note 2 under "Typical Location of Crossroad Signs".
5. Only diamond shaped warning sign sizes are indicated.
6. See sign size listing in "TMUTCD", Sign Appendix or the "Standard Highway Sign Designs for Texas" manual for complete list of available sign design sizes.

## WORK AREAS IN MULTIPLE LOCATIONS WITHIN CSJ LIMITS

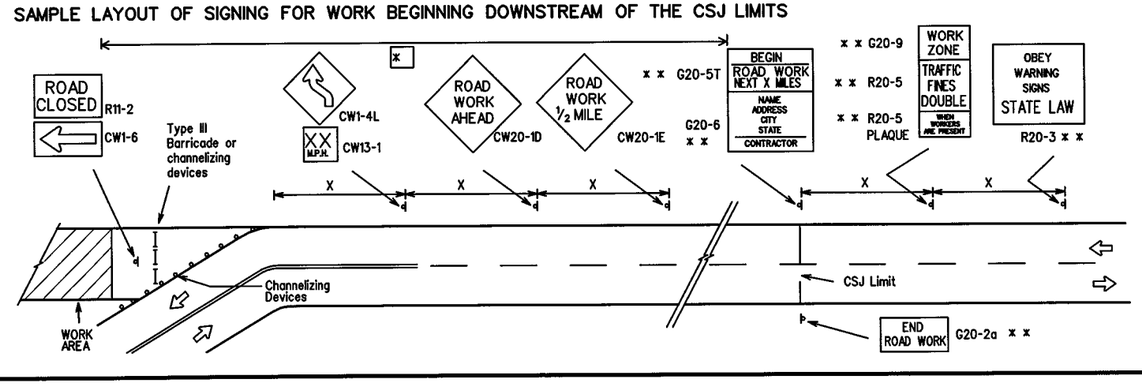



When extended distances occur between minimal work areas, the Engineer/Inspector should ensure additional Road Work Ahead (CW20-1D) signs are placed in advance of these work areas to remind drivers they are still within the project limits. See the applicable TCP sheets for exact location and spacing of signs and channelizing devices.

## SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING AT THE CSJ LIMITS




## SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING DOWNSTREAM OF THE CSJ LIMITS




NOTES

The Contractor shall determine the appropriate distance to be placed on the G20-1 series signs and G20-5T sign for each specific project. This distance shall replace the "X" and shall be rounded to the nearest whole mile with the approval of the Engineer. No decimals shall be used.

(x) The G20-9T and G20-2b shall be used when advance signs are required outside the CSJ Limits. They inform the motorist of entering or leaving a work zone where traffic fines may double if workers are present.

x x Required CSJ Limit signing. See Note 10 on BC(1).

[x] Area for placement of "ROAD WORK AHEAD" sign and other signs or devices as called for on the Traffic Control Plan.

LEGEND

- Sign
- Channelizing Devices
- Type III Barricade
- X See Typical Construction Warning Sign Size and Spacing chart or the TMUTCD for sign spacing requirements.

R20-3
Legend/Border - Black
Background - White

Texas Department of Transportation
Traffic Operations Division

# BARRICADE AND CONSTRUCTION PROJECT LIMIT STANDARD

2 of 12

BC(2)-07

| ©TxDOT 11-4-02 | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| 9-07 REVISIONS | CONT | SECT | JOB | HIGHWAY |
| | 0014 | 16 | 255, ETC. | IH 35W |
| | DIST | | COUNTY | SHEET NO. |
| | FTW | | TARRANT | 634 |

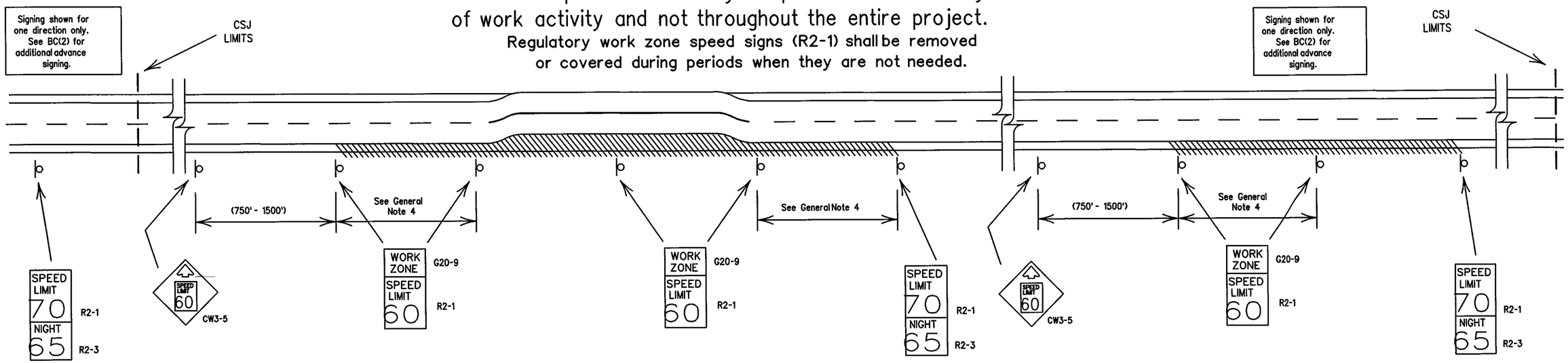
DATE:
FILE:

# TYPICAL APPLICATION OF WORK ZONE SPEED LIMIT SIGNS

**Work zone speed limits shall be regulatory, established in accordance with the "Procedures for Establishing Speed Zones," and approved by the Texas Transportation Commission, or by City Ordinance when within Incorporated City Limits.**

Reduced speeds should only be posted in the vicinity of work activity and not throughout the entire project.

Regulatory work zone speed signs (R2-1) shall be removed or covered during periods when they are not needed.




## GUIDANCE FOR USE:

### LONG/INTERMEDIATE TERM WORK ZONE SPEED LIMITS

This type of work zone speed limit should be included on the design of the traffic control plans when restricted geometrics with a lower design speed are present in the work zone and modification of the geometrics to a higher design speed is not feasible.

Long/Intermediate Term Work Zone Speed Limit signs, when approved as described above, should be posted and visible to the motorist when work activity is present. Work activity may also be defined as a change in the roadway that requires a reduced speed for motorists to safely negotiate the work area, including:

a) rough road or damaged pavement surface
b) substantial alteration of roadway geometrics (diversions)
c) construction detours
d) grade
e) width
f) other conditions readily apparent to the driver

As long as any of these conditions exist, the work zone speed limit signs should remain in place.

### SHORT TERM WORK ZONE SPEED LIMITS

This type of work zone speed limit should be included on the design of the traffic control plans when workers or equipment are not behind concrete barrier, when work activity is within 15 feet of pavement edge or actually on the pavement.

Short Term Work Zone Speed Limit signs should be posted and visible to the motorists only when work activity is present. When work activity is not present, signs shall be removed or covered.
(See Removing or Covering on BC(4)).

## GENERAL NOTES:

1. Regulatory work zone speed limits should be used only for sections of construction projects where speed control is of major importance.
2. Regulatory work zone speed limit signs shall be placed on supports at a 7 foot minimum mounting height.
3. Speed zone signs are illustrated for one direction of travel and are normally posted for each direction of travel.
4. Frequency of work zone speed limit signs should be:
   40 mph and greater 0.2 to 2 miles
   35 mph and less 0.2 to 1 mile
5. Regulatory speed limit signs shall have black legend and border on a white reflective background (See "Reflective Sheeting" on BC(4)).
6. Fabrication, errection and maintenance of the CW3-5 sign, G20-9 plaque and the R2-1 and R2-3 signs shall not be paid for directly, but shall be considered subsidiary to Item 502.
7. Turning signs from view, laying signs over or down will not be allowed, unless otherwise noted.
8. Techniques that may help reduce traffic speeds include but are not limited to:
   A. Law enforcement.
   B. Flagger stationed next to sign.
   C. Portable changeable message sign (PCMS).
   D. Low-power (drone) radar transmitter.
   E. Speed monitor trailers or signs.
9. Speeds shown on details above are for illustration only.
   Work Zone Speed Limits should only be posted as approved for each project.

Texas Department of Transportation
Traffic Operations Division

**BARRICADE AND CONSTRUCTION WORK ZONE SPEED LIMIT STANDARD**

3 of 12 BC(3)-07

©TxDOT 11-4-02

| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| 9-07 REVISIONS | | | |

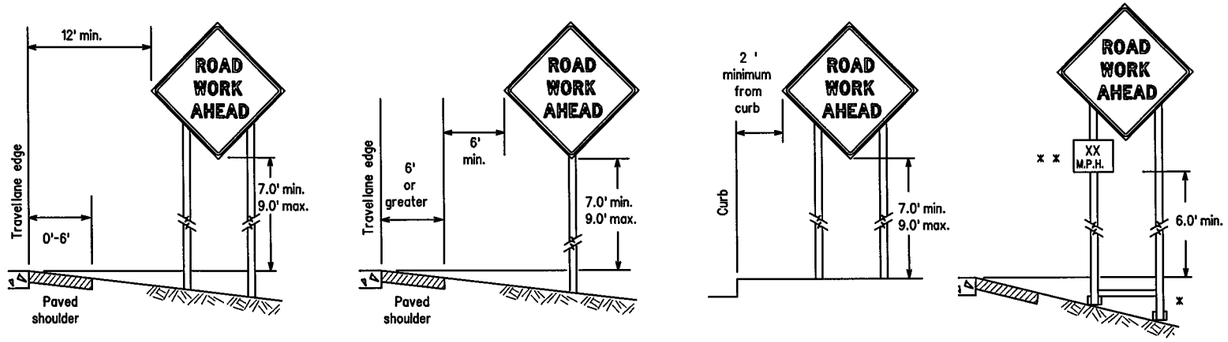
| CONT | SECT | JOB | HIGHWAY |
|---|---|---|---|
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 635 |

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE:
FILE:

10.3

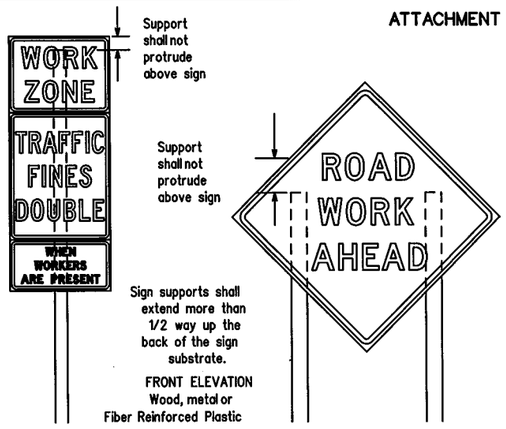
## TYPICAL MINIMUM CLEARANCES FOR LONG TERM AND INTERMEDIATE TERM SIGNS



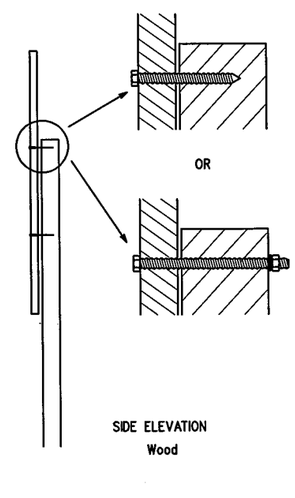

x When placing skid supports on unlevel ground, the leg post lengths must be adjusted so the sign appears straight and plumb. Objects shall NOT be placed under skids as a means of leveling.

x x When plaques are placed on dual-leg supports, they should be attached to the upright nearest the travel lane. Supplemental plaques (advisory or distance) should not cover the surface of the parent sign.

## ATTACHMENT FOR SIGN SUPPORTS




Splicing embedded perforated square metal tubing in order to extend post height will only be allowed when the splice is made using four bolts, two above and two below the spice point. Splice must be located entirely behind the sign substrate, not near the base of the support. Splice insert lengths should be at least 5 times nominal post size, centered on the splice and of at least the same guage material.



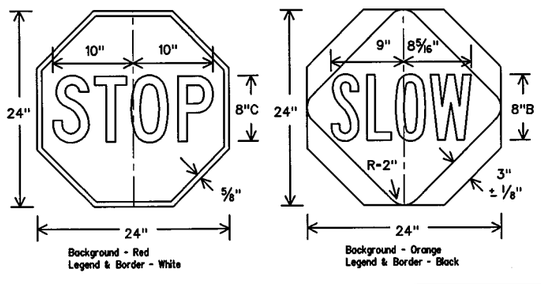

Attachment to wooden supports will be by bolts and nuts or screws. Use TxDOT's or manufacturer's recommended procedures for attaching sign substrates to other types of sign supports

Nails will NOT be allowed.

Each sign shall be attached directly to the sign support. Multiple signs shall not be joined or spliced by any means. Wood supports shall not be extended or repaired by splicing or other means.

## STOP/SLOW PADDLES

1. STOP/SLOW paddles are the primary method to control traffic by flaggers. The STOP/SLOW paddle size should be 24" x 24" as detailed below.
2. When used at night, the STOP/SLOW paddle shall be retroreflectorized.
3. STOP/SLOW paddles may be attached to a staff with a minimum length of 6' to the bottom of the sign.
4. Any lights incorporated into the STOP or SLOW paddle faces shall only be as specifically described in Section 6E.03 Hand Signaling Devices in the TMUTCD.




## CONTRACTOR REQUIREMENTS FOR MAINTAINING PERMANENT SIGNS WITHIN THE PROJECT LIMITS

1. Permanent signs are used to give notice of traffic laws or regulations, call attention to conditions that are potentially hazardous to traffic operations, show route designations, destinations, directions, distances, services, points of interest, and other geographical, recreational, or cultural information. Drivers proceeding through a work zone need the same, if not better route guidance as normally installed on a roadway without construction.
2. When permanent regulatory or warning signs conflict with work zone conditions, remove or cover the permanent signs until the permanent sign message matches the roadway condition.
3. When existing permanent signs are moved and relocated due to construction purposes, they shall be visible to motorists at all times.
4. If existing signs are to be relocated on their original supports, they shall be installed on crashworthy bases as shown on the SMD Standard sheets. The signs shall meet the required mounting heights shown on the BC Sheets or the SMD Standards. This work should be paid for under the appropriate pay item for relocating existing signs.
5. If permanent signs are to be removed and relocated using temporary supports, the Contractor shall use crashworthy supports as shown on the BC sheets or the CWZTCD. The signs shall meet the required mounting heights shown on the BC Sheets or the SMD Standards during construction. This work should be paid for under the appropriate pay item for relocating existing signs.
6. Any sign or traffic control device that is struck or damaged by the Contractor or his/her construction equipment shall be replaced as soon as possible by the Contractor to ensure proper guidance for the motorists. This will be subsidiary to Item 502.

## GENERAL NOTES FOR WORK ZONE SIGNS

1. Contractor shall install and maintain signs in a straight and plumb condition and/or as directed by the Engineer.
2. Wooden sign posts shall be painted white.
3. Barricades shall NOT be used as sign supports.
4. Nails shall NOT be used to attach signs to any support.
5. All signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and guide the traveling public safely through the work zone.
6. The Contractor may furnish either the sign design shown in the plans or in the "Standard Highway Sign Designs for Texas" (SHSD). The Engineer/Inspector may require the Contractor to furnish other work zone signs that are shown in the TMUTCD but may have been omitted from the plans. Any variation in the plans shall be documented by written agreement between the Engineer and the Contractor's Responsible Person. All changes must be documented in writing before being implemented. This can include documenting the changes in the Inspector's TxDOT diary and having both the Inspector and Contractor initial and date the agreed upon changes.
7. The Contractor shall furnish sign supports listed in the "Compliant Work Zone Traffic Control Device List" (CWZTCD). The Contractor shall install the sign support in accordance with the manufacturer's recommendations. If there is a question regarding installation procedures, the Contractor shall furnish the Engineer a copy of the manufacturer's installation recommendations so the Engineer can verify the correct procedures are being followed.
8. The Contractor is responsible for installing signs on approved supports and replacing signs with damaged or cracked substrates and/or damaged or marred reflective sheeting as directed by the Engineer/Inspector.
9. Identification markings may be shown only on the back of the sign substrate. The maximum height of letters and/or company logos used for identification shall be 1 inch.
10. The Contractor shall replace damaged wood posts. New or damaged wood sign posts shall not be spliced.

## DURATION OF WORK (as defined by the "Texas Manual on Uniform Traffic Control Devices" Part 6)

1. The types of sign supports, sign mounting height, the size of signs, and the type of sign substrates can vary based on the type of work being performed. The Engineer is responsible for selecting the appropriate size sign for the type of work being performed. The Contractor is responsible for ensuring the sign support, sign mounting height and substrate meets manufacturer's recommendations in regard to crashworthiness and duration of work requirements.
   a. Long-term stationary - work that occupies a location more than 3 days.
   b. Intermediate-term stationary - work that occupies a location more than one daylight period up to 3 days, or nightime work lasting more than one hour.
   c. Short-term stationary - daytime work that occupies a location for more than 1 hour in a single daylight period.
   d. Short, duration - work that occupies a location up to 1 hour.
   e. Mobile - work that moves continuously or intermittently (stopping for up to approximately 15 minutes.)

## SIGN MOUNTING HEIGHT

1. The bottom of Long-term/Intermediate-term signs shall be at least 7 feet, but not more than 9 feet, above the paved surface, except as shown for supplemental plaques mounted below other signs.
2. The bottom of Short-term/Short Duration signs shall be a minimum of 1 foot above the pavement surface but no more than 2 feet above the ground.
3. Long-term/Intermediate-term Signs may be used in lieu of Short-term/Short Duration signing.
4. Short-term/Short Duration signs shall be used only during daylight and shall be removed at the end of the workday. or raised to appropriate Long-term/Intermediate sign height.
5. Regulatory signs shall be mounted at least 7 feet, but not more than 9 feet, above the paved surface regardless of work duration.

## SIZE OF SIGNS

1. The Engineer may allow the use of smaller size construction warning signs on secondary roads or city streets where speeds are low if the sign size is listed as an option on the "Typical Construction Warning Sign Size and Spacing" chart shown on BC(2).
2. The Contractor shall furnish the sign sizes shown in plans, the BC Sheets, the TCP sheets or as directed by the Engineer.

## SIGN SUBSTRATES

1. The Contractor shall ensure the sign substrate is installed in accordance with the manufacturer's recommendations for the type of sign support that is being used. The CWZTCD lists each substrate that can be used on the different types and models of sign supports.
2. "Mesh" type materials are NOT an approved sign substrate, regardless of the tightness of the weave.
3. All wooden individual sign panels fabricated from 2 or more pieces shall have one or more plywood cleat, 1/2" thick by 6" wide, fastened to the back of the sign and extending fully across the sign. The cleat shall be attached to the back of the sign using wood screws that do not penetrate the face of the sign panel. The screws shall be placed on both sides of the splice and spaced at 6" centers. The Engineer may approve other methods of splicing the sign face.

## REFLECTIVE SHEETING

1. All signs shall be retroreflective and constructed of sheeting meeting the color and retro-reflectivity requirements of DMS-8300 for rigid signs or DMS-8310 for roll-up signs. The web address for DMS specifications is shown on BC(1).
2. White sheeting, meeting the requirements of DMS-8300 Type C (High Specific Intensity), shall be used for signs with a white background.
3. Orange sheeting, meeting the requirements of DMS-8300 Type E (Fluorescent Prismatic), shall be used for rigid signs with orange backgrounds.

## SIGN LETTERS

1. All sign letters and numbers shall be clear, and open rounded type uppercase alphabet letters as approved by the Federal Highway Administration (FHWA) and as published in the "Standard Highway Sign Design for Texas" manual. Signs, letters and numbers shall be of first class workmanship in accordance with Department Standards and Specifications.

## REMOVING OR COVERING

1. When sign messages may be confusing or do not apply, the signs shall be removed or completely covered.
2. Long-term stationary or intermediate stationary signs installed on square metal tubing may be turned away from traffic 90 degrees when the sign message is not applicable. This type of sign support meets the crashworthiness standards regardless of the direction of impact. This technique may not be used for signs installed in the median of divided highways or near any intersections where the sign may be seen from approaching traffic.
3. Signs installed on wooden skids shall not be turned at 90 degree angles to the roadway. These signs should be removed or completely covered when not required.
4. When signs are covered, the material used shall be opaque, such as heavy mil black plastic, or other materials which will cover the entire sign face and maintain their opaque properties under automobile headlights at night, without damaging the sign sheeting.
5. Burlap shall NOT be used to cover signs.
6. Duct tape or other adhesive material shall NOT be affixed to a sign face. These materials can damage the retroreflectivity of sheeting.
7. Signs and anchor stubs shall be removed and holes backfilled upon completion of work.

## SIGN SUPPORT WEIGHTS

1. Where sign supports require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand is recommended.
2. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight.
3. Rock, concrete, iron, steel or other solid objects shall not be permitted for use as sign support weights.
4. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs.
5. Sandbags shall be made of a durable material that tears upon vehicular impact.
6. Rubber (such as tire inner tubes) shall NOT be used for sandbags.
7. Rubber ballasts designed for channelizing devices should not be used for ballast on portable sign supports. Sign supports designed and manufactured with rubber bases may be used when shown on the CWZTCD list.
8. Sandbags shall only be placed along or laid over the base supports of the traffic control device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners. Sandbags shall be placed along the length of the skids to weigh down the sign support.
9. Sandbags shall NOT be placed under the skid and shall not be used to level sign supports placed on slopes.

Texas Department of Transportation
Traffic Operations Division

# BARRICADE AND CONSTRUCTION TEMPORARY SIGN NOTES STANDARD

4 of 12

BC(4)-07

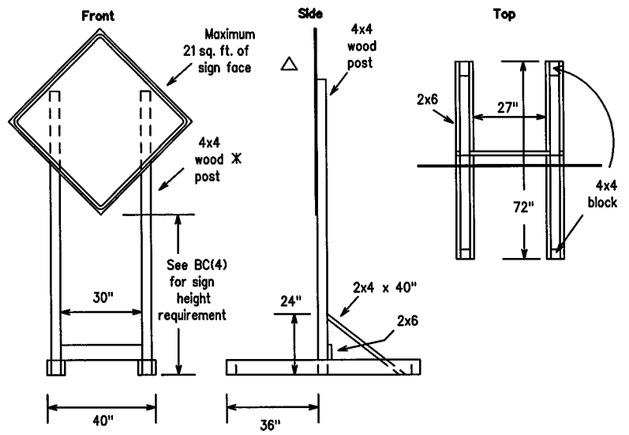
| | | | | |
|---|---|---|---|---|
| ©TxDOT 11-4-02 | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
| 9-07 REVISIONS | CONT | SECT | JOB | HIGHWAY |
| | 0014 | 16 | 255, ETC. | IH 35W |
| | DIST | | COUNTY | SHEET NO. |
| | FTW | | TARRANT | 636 |

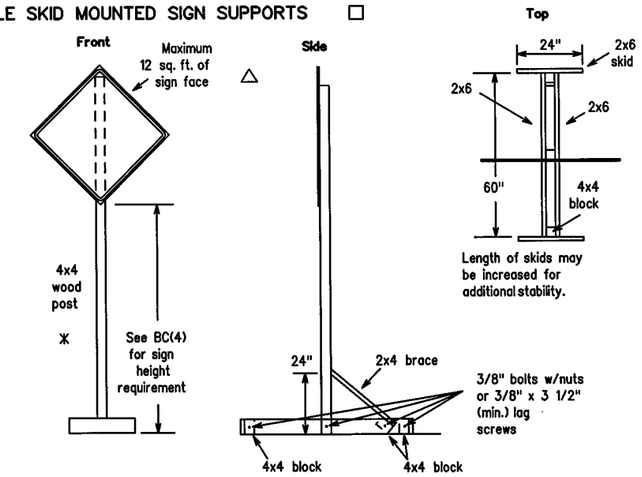
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE:
FILE:

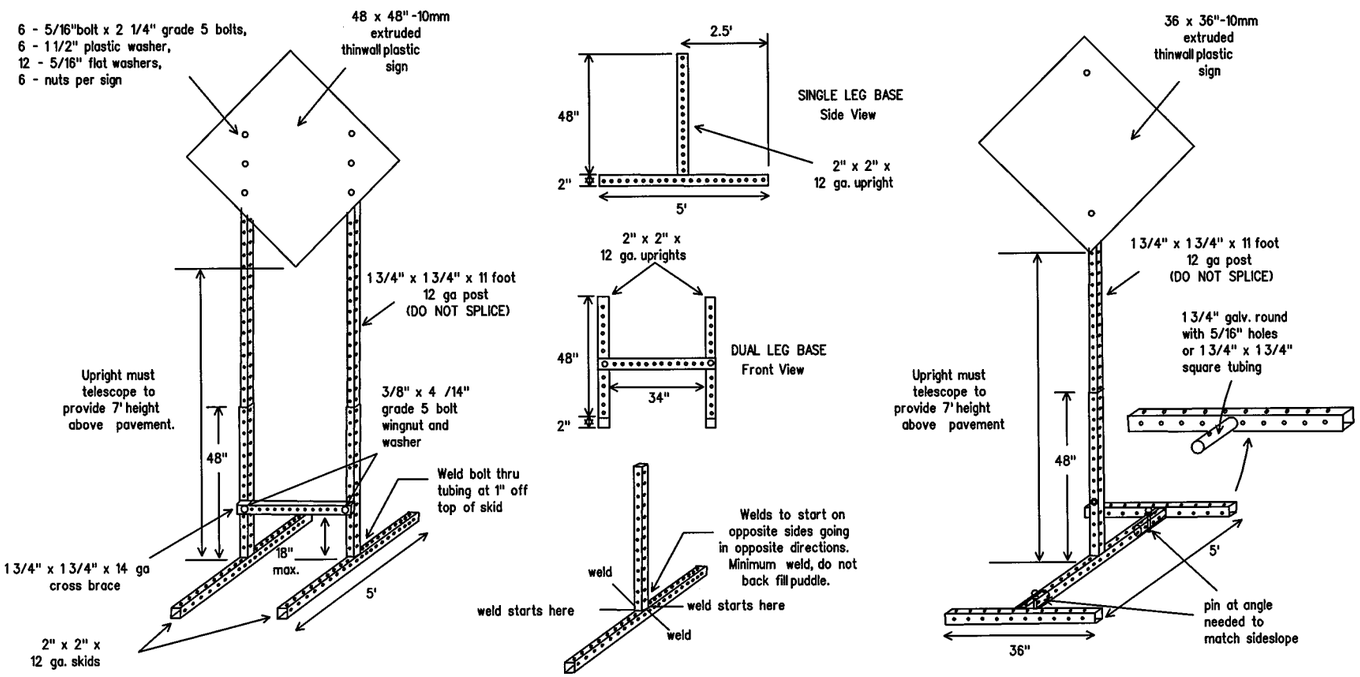
# SKID MOUNTED WOOD SIGN SUPPORTS

## LONG/INTERMEDIATE TERM STATIONARY - PORTABLE SKID MOUNTED SIGN SUPPORTS □



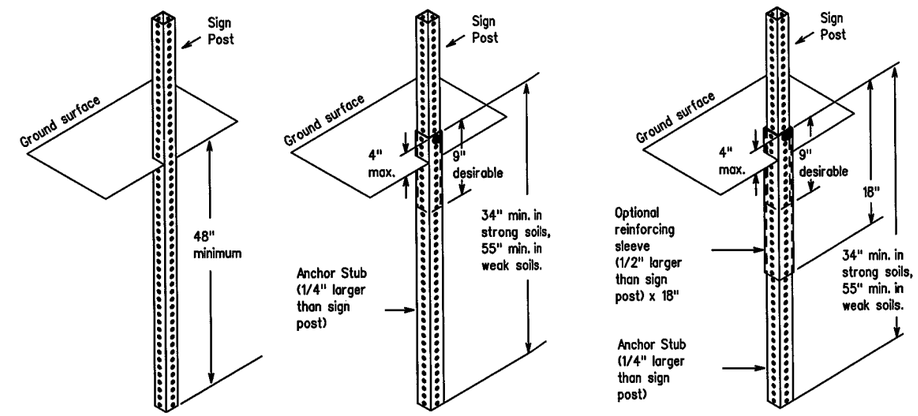

# SKID MOUNTED PERFORATED SQUARE STEEL TUBING SIGN SUPPORTS




# GROUND MOUNTED SIGN SUPPORTS

Refer to the CWZTCD and the manufacturer's installation procedure for each type sign support.
The maximum sign square footage shall adhere to the manufacturer's recommendation.
Two post installations can be used for larger signs.

## PERFORATED SQUARE METAL TUBING



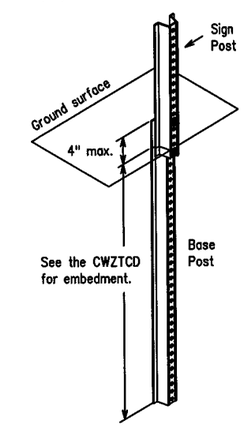

OPTION 1 (Direct Embedment)

OPTION 2 (Anchor Stub)

OPTION 3 (Anchor Stub and Reinforcing Sleeve))

## WING CHANNEL

Lap-splice/base bolted anchor




GENERAL NOTES

1. Nails may be used in the assembly of wooden sign supports, but 3/8" bolts with nuts or 3/8" x 3 1/2" lag screws must be used on every joint for final connection.
2. More details of approved Long/Intermediate and Short Term supports can be found on the CWZTCD list. See BC(1) for website location.
3. No more than 2 sign posts shall be placed within a 7 ft. circle, except for specific materials noted on the CWZTCD List.
4. When project is completed, all sign supports and foundations shall be removed from the project site. This will be considered subsidiary to Item 502.

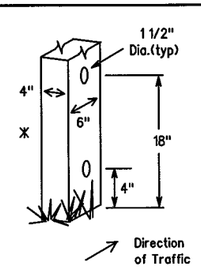
□ See BC(4) for definition of "Work Duration."

✳ Wood sign posts MUST be one piece. Splicing will NOT be allowed. Posts shall be painted white.

△ See the CWZTCD for the type of sign substrate that can be used for each approved sign support.

# WEDGE ANCHORS

Both steel and plastic Wedge Anchor Systems as shown on the SMD Standard Sheets may be used as temporary sign supports for signs up to 10 square feet of sign face. They may be set in concrete or in sturdy soils if approved by the Engineer. (See web address for "Traffic Engineering Standard Sheets" on BC(1)).




## WOOD POST SYSTEM FOR GROUND MOUNTED SIGN SUPPORTS

| Nominal Post Size | Maximum No. of Posts | Sq. feet of Sign Face | Minimum Soil Embedment | Drilled Hole(s) Required | |
|---|---|---|---|---|---|
| 4 x 4 | 1 | 12 | 36" | NO | |
| 4 x 4 | 2 | 21 | 36" | NO | |
| 4 x 6 | 1 | 21 | 36" | YES | |
| 4 x 6 | 2 | 36 | 36" | | YES |

Texas Department of Transportation
Traffic Operations Division

# BARRICADE AND CONSTRUCTION TYPICAL SIGN SUPPORT STANDARD

5 of 12

BC(5)-07

©TxDOT 11-4-02

9-07 REVISIONS

| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| CONT | SECT | JOB | HIGHWAY |
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 637 |

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE:
FILE:

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

## PORTABLE CHANGEABLE MESSAGE SIGNS

1. The Engineer/Inspector shall approve all messages used on portable changeable message signs (PCMS).
2. Messages on PCMS should contain no more than 8 words (about four to eight characters per word), not including simple words such as "TO," "FOR," "AT," etc.
3. Messages should consist of a single phase, or two phases that alternate. Three-phase messages are not allowed. Each phase of the message should convey a single thought, and must be understood by itself.
4. Use the word "EXIT" to refer to an exit ramp on a freeway: i.e., "EXIT CLOSED." Do not use the term "RAMP."
5. Always use the route or interstate designation (IH, US, SH, FM) along with the number when referring to a roadway.
6. When in use the bottom of a stationary PCMS message panel should be a minimum 7 feet above the roadway, where possible.
7. The message term "WEEKEND" should be used only if the work is to start on Saturday morning and end by Sunday evening at midnight. Actual days and hours of work should be displayed on the PCMS if work is to begin on Friday evening and/or continue into Monday morning.
8. The Engineer/Inspector may select one of two options which are available for displaying a two-phase message on a PCMS. Each phase may be displayed for either four seconds each or for three seconds each.
9. Do not "flash" messages or words included in a message. The message should be steady burn or continuous while displayed.
10. Do not present redundant information on a two-phase message: i.e., keeping two lines of the message the same and changing the third line.
11. Do not use the word "Danger" in message.
12. Do not display the message "LANES SHIFT LEFT" or "LANES SHIFT RIGHT" on a PCMS. Drivers do not understand the message.
13. Do not display messages that scroll horizontally or vertically across the face of the sign.
14. The following table lists abbreviated words and two-word phrases that are acceptable for use on a PCMS. Both words in a phrase must be displayed together. Words or phrases not on this list should not be abbreviated.
15. PCMS character height should be at least 18 inches for trailer mounted units. They should be visible from at least 1/2 (.5) mile and the text should be legible from at least 720 feet. Truck mounted units must have a character height of 10 inches and must be legible from at least 400 feet.
16. Each line of text should be centered on the message board rather than left or right justified.
17. If disabled, the PCMS should default to an illegible display that will not alarm motorists and will only be used to alert workers that the PCMS has malfunctioned. A pattern such as a series of horizontal solid bars is appropriate.

| Word or Phrase | Abb. | Word or Phrase | Abb. |
|---|---|---|---|
| Access Road | ACCS RD | Major | MAJ |
| Air Quality | AIR QLTY | Miles | MI |
| Alternate | ALT | Miles Per Hour | MPH |
| Avenue | AVE | Minor | MNR |
| Best Route | BEST RTE | Monday | MON |
| Boulevard | BLVD | Normal | NORM |
| Bridge | BRDG | North | N |
| Cannot | CANT | Northbound | (route) N |
| Center | CNTR | Parking | PKING |
| Construction Ahead | CONST AHEAD | Parking Lot | PRK LOT |
| Detour Route | DETOUR RTE | Road | RD |
| Do Not | DONT | Right Lane | RGT LN |
| East | E | Saturday | SAT |
| Eastbound | (route) E | Service Road | SERV RD |
| Emergency | EMER | Shoulder | SHLDR |
| Emergency Vehicle | EMER VEH | Slippery | SLIP |
| Entrance, Enter | ENT | South | S |
| Express Lanes | EXP LANE | Southbound | (route) S |
| Expressway | EXPWY | Speed | SPD |
| XXXX Feet | XXXX FT | Street | ST |
| Fog Ahead | FOG AHD | Sunday | SUN |
| Freeway | FRWY, FWY | Telephone | PHONE |
| Freeway Blocked | FWY BLKD | Temporary | TEMP |
| Friday | FRI | Thursday | THURS |
| Hazardous Driving | HAZ DRIVING | To Downtown | TO DWNTN |
| Hazardous Material | HAZMAT | Traffic | TRAF |
| High-Occupancy Vehicle | HOV | Travelers | TRVLRS |
| Highway | HWY | Tuesday | TUES |
| Hours | HR | Time Minutes | TIME MIN |
| Information | INFO | Upper Level | UPPR LVL |
| It Is | ITS | Vehicle | VEH |
| Junction | JCT | Warning | WARN |
| Left | LFT | Wednesday | WED |
| Left Lane | LFT LN | Weight Limit | WT LIMIT |
| Lane Closed | LN CLSD | West | W |
| Lower Level | LOWR LVL | Westbound | (route) W |
| Maintenance | MAINT | Wet Pavement | WET PVMT |
| | | Will Not | WONT |

Roadway designation • IH-number, US-number, SH-number, FM-number

WHEN NOT IN USE, REMOVE THE PCMS FROM THE RIGHT-OF-WAY OR PLACE THE PCMS BEHIND BARRIER OR GUARDRAIL WITH SIGN PANEL TURNED PARALLEL TO TRAFFIC

# RECOMMENDED PHASES AND FORMATS FOR PCMS MESSAGES DURING ROADWORK ACTIVITIES

(The Engineer may approve other messages not specifically covered here.)

## Phase 1: Condition Lists

### Road/Lane/Ramp Closure List

| | |
|---|---|
| FREEWAY CLOSED X MILE | FRONTAGE ROAD CLOSED |
| ROAD CLOSED AT SH XXX | SHOULDER CLOSED XXX FT |
| ROAD CLSD AT FM XXXX | RIGHT LN CLOSED XXX FT |
| RIGHT X LANES CLOSED | RIGHT X LANES OPEN |
| CENTER LANE CLOSED | DAYTIME LANE CLOSURES |
| NIGHT LANE CLOSURES | I-XX SOUTH EXIT CLOSED |
| VARIOUS LANES CLOSED | EXIT XXX CLOSED X MILE |
| EXIT CLOSED | RIGHT LN TO BE CLOSED |
| MALL DRIVEWAY CLOSED | X LANES CLOSED TUE - FRI |
| XXXXXXXX BLVD CLOSED | |

### Other Condition List

| | |
|---|---|
| ROADWORK XXX FT | ROAD REPAIRS XXXX FT |
| FLAGGER XXXX FT | LANE NARROWS XXXX FT |
| RIGHT LN NARROWS XXXX FT | TWO-WAY TRAFFIC XX MILE |
| MERGING TRAFFIC XXXX FT | CONST TRAFFIC XXX FT |
| LOOSE GRAVEL XXXX FT | UNEVEN LANES XXXX FT |
| DETOUR X MILE | ROUGH ROAD XXXX FT |
| ROADWORK PAST SH XXXX | ROADWORK NEXT FRI-SUN |
| BUMP XXXX FT | US XXX EXIT X MILES |
| TRAFFIC SIGNAL XXXX FT | LANES SHIFT * |

* LANES SHIFT in Phase 1 must be used with STAY IN LANE in Phase 2.

## Phase 2: Possible Component Lists

### Action to Take/Effect on Travel List

| | |
|---|---|
| MERGE RIGHT | FORM X LINES RIGHT |
| DETOUR NEXT X EXITS | USE XXXXX RD EXIT |
| USE EXIT XXX | USE EXIT I-XX NORTH |
| STAY ON US XXX SOUTH | USE I-XX E TO I-XX N |
| TRUCKS USE US XXX N | WATCH FOR TRUCKS |
| WATCH FOR TRUCKS | EXPECT DELAYS |
| EXPECT DELAYS | PREPARE TO STOP |
| REDUCE SPEED XXX FT | END SHOULDER USE |
| USE OTHER ROUTES | WATCH FOR WORKERS |
| STAY IN LANE * | |

### Location List

| |
|---|
| AT FM XXXX |
| BEFORE RAILROAD CROSSING |
| NEXT X MILES |
| PAST US XXX EXIT |
| XXXXXXX TO XXXXXXX |
| US XXX TO FM XXXX |

### Warning List

| |
|---|
| SPEED LIMIT XX MPH |
| MAXIMUM SPEED XX MPH |
| MINIMUM SPEED XX MPH |
| ADVISORY SPEED XX MPH |
| RIGHT LANE EXIT |
| USE CAUTION |
| DRIVE SAFELY |
| DRIVE WITH CARE |

### ** Advance Notice List

| |
|---|
| TUE-FRI XX AM- X PM |
| APR XX- XX X PM-X AM |
| BEGINS MONDAY |
| BEGINS MAY XX |
| MAY X-X XX PM - XX AM |
| NEXT FRI-SUN |
| XX AM TO XX PM |
| NEXT TUE AUG XX |
| TONIGHT XX PM- XX AM |

** See Application Guidelines Note 6.

### Application Guidelines

1. Only 1 or 2 phases are to be used on a PCMS.
2. The 1st phase (or both) should be selected from the "Road/Lane/Ramp Closure List" and the "Other Condition List".
3. A 2nd phase can be selected from the "Action to Take/Effect on Travel, Location, General Warning, or Advance Notice Phase Lists".
4. A Location Phase is necessary only if a distance or location is not included in the first phase selected.
5. If two PCMS are used in sequence, they must be separated by a minimum of 1000 ft. Each PCMS shall be limted to two phases, and should be understandable by themselves.
6. For advance notice, when the current date is within seven days of the actual work date, calendar days should be replaced with days of the week. Advance notification should typically be for no more than one week prior to the work

### Wording Alternatives

1. The words RIGHT, LEFT and ALL can be interchanged as appropriate.
2. Roadway designations IH, US, SH, FM and LP can be interchanged as appropriate.
3. EAST, WEST, NORTH and SOUTH (or abbreviations E, W, N and S) can be interchanged as appropriate.
4. Highway names and numbers replaced as appropriate.
5. ROAD, HIGHWAY and FREEWAY can be interchanged as needed.
6. AHEAD may be used instead of distances if necessary.
7. FT and MI, MILE and MILES interchanged as appropriate.
8. AT, BEFORE and PAST interchanged as needed.
9. Distances or AHEAD can be eliminated from the message if a location phase is used.

PCMS SIGNS WITHIN THE R.O.W. SHALL BE BEHIND GUARDRAIL OR CONCRETE BARRIER OR SHALL HAVE A MINIMUM OF FOUR (4) PLASTIC DRUMS PLACED PERPENDICULAR TO TRAFFIC ON THE UPSTREAM SIDE OF THE PCMS.

### FULL MATRIX PCMS SIGNS

1. When Full Matrix PCMS signs are used, the character height and legibility/visibility requirements shall be maintained as listed in Note 15 under "PORTABLE CHANGEABLE MESSAGE SIGNS" above.
2. When symbol signs, such as the CW20-7a Flagger Symbol, are represented graphically on the Full Matrix PCMS sign and, with the approval of the Engineer, it shall maintain the legibility/visibility requirement listed above.
3. When symbol signs are represented graphically on the Full Matrix PCMS, they shall only supplement the use of the static sign represented, and shall not substitute for, or replace that sign.
4. A full matrix PCMS may be used to simulate a flashing arrow panel provided it meets the visibility, flash rate and dimming requirements on BC(7), for the same size arrow.

Texas Department of Transportation
Traffic Operations Division

BARRICADE AND CONSTRUCTION PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) STANDARD

6 of 12 BC(6)-07

©TxDOT 11-4-02

| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| CONT | SECT | JOB | HIGHWAY |
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 638 |

9-07 REVISIONS

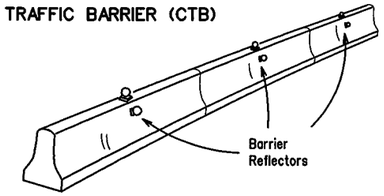
DATE:
FILE:

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

# BARRIER REFLECTORS FOR CONCRETE TRAFFIC BARRIER AND ATTENUATORS

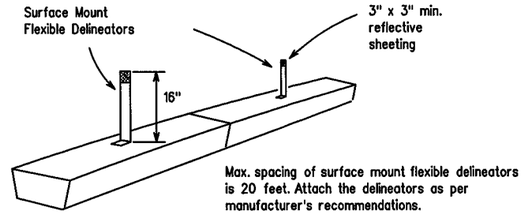
1. Barrier Reflectors shall be prequalified, and conform to the color and reflectivity requirements of DMS-8600. A list of prequalified Barrier Reflectors (Type C Delineators) can be found at the Material Producer List web address shown on BC(1).
2. Color of Barrier Reflectors shall be as specified in the TMUTCD. The cost of the reflectors shall be considered subsidiary to Item 502.

## CONCRETE TRAFFIC BARRIER (CTB)

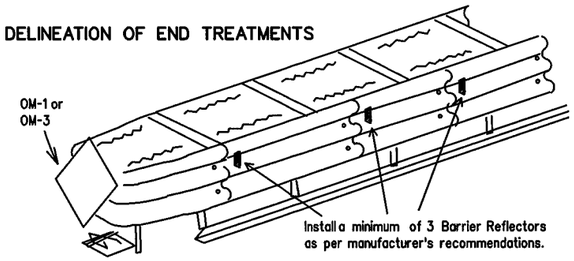



3. Where traffic is on one side of the CTB, two (2) Barrier Reflectors shall be mounted in approximately the midsection of each section of CTB. An alternate mounting location is uniformly spaced at one end of each CTB. This will allow for attachment of a barrier grapple without damaging the reflector. The Barrier Reflector mounted on the side of the CTB shall be located directly below the reflector mounted on top of the barrier, as shown in the detail above.
4. Where CTB separates two-way traffic, three barrier reflectors shall be mounted on each section of CTB. The reflector unit on top shall have two yellow reflective faces (Bi-Directional) while the reflectors on each side of the barrier shall have one yellow reflective face, as shown in the detail above.
5. When CTB separates traffic traveling in the same direction, no barrier reflectors will be required on top of the CTB.
6. Barrier Reflector units shall be yellow or white in color to match the edgeline being supplemented. Yellow Barrier Reflectors shall be made with Type E Fluorescent Prismatic Yellow Retroreflective Sheeting. White reflectors shall be made with Type D White Prismatic sheeting.
7. Maximum spacing of Barrier Reflectors is forty (40) feet.
8. Pavement markers or temporary flexible-reflective roadway marker tabs shall NOT be used as CTB delineation.
9. Attachment of Barrier Reflectors to CTB shall be per manufacturer's recommendations.
10. Missing or damaged Barrier Reflectors shall be replaced as directed by the Engineer.
11. Single slope barriers shall be delineated as shown on the above detail.

## LOW PROFILE CONCRETE BARRIER (LPCB)




## DELINEATION OF END TREATMENTS




| | APPROACHING TRAFFIC | |
|---|---|---|
| | BOTH SIDES | ONE SIDE |
| DELINEATION | OM-1 | OM-3 or Vertical Panel |

### END TREATMENTS FOR CTB'S USED IN WORK ZONES

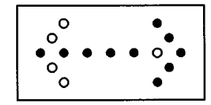
End treatments used on CTB's in work zones shall meet crashworthy standards as defined in the National Cooperative Highway Research Report 350. Refer to the CWZTCD List for approved end treatments and manufacturers.

# TYPICAL FLASHING ARROW PANEL

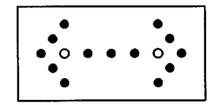
Arrow Panels may be located behind channelizing devices in place for a shoulder taper or merging taper, otherwise they shall be delineated with four (4) channelizing devices placed perpendicular to traffic on the upstream side of traffic.

1. The Flashing Arrow Panel should be used for all lane closures on multi-lane roadways, or slow moving maintenance or construction activities on the travel lanes.
2. Flashing Arrow Panels should not be used on two-lane, two-way roadways, detours, diversions or work on shoulders unless the "CAUTION" display (see detail below) is used.
3. The Engineer/Inspector shall choose all appropriate signs, barricades and/or other traffic control devices that should be used in conjunction with the Flashing Arrow Panel.
4. The Flashing Arrow Panel should be able to display the following symbols:

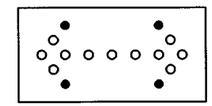
Flashing RIGHT (LEFT) ARROW



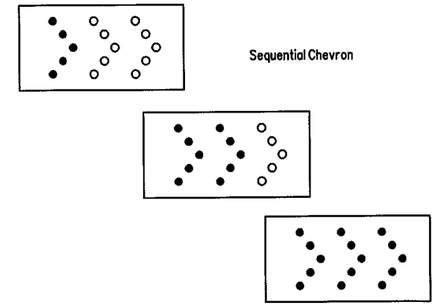
Flashing DOUBLE ARROW



Flashing CAUTION



5. The "CAUTION" display consists of four corner lamps flashing simultaneously.
6. The straight line caution display is NOT ALLOWED.
7. The Flashing Arrow Panel shall be capable of minimum 50 percent dimming from rated lamp voltage. The flashing rate of the lamps shall not be less than 25 nor more than 40 flashes per minute.
8. Minimum lamp "on time" shall be approximately 50 percent for the flashing arrow and equal intervals of 25 percent for each sequential phase of the flashing chevron.
9. The sequential arrow display is NOT ALLOWED.
10. The flashing arrow display is the TxDOT standard; however, the sequential Chevron display may be used during daylight operations.



Sequential Chevron

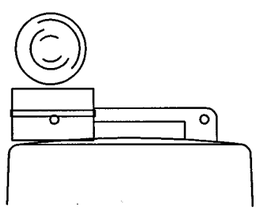
REQUIREMENTS

| TYPE | MINIMUM SIZE | MINIMUM NUMBER OF PANEL LAMPS | MINIMUM VISIBILITY DISTANCE |
|---|---|---|---|
| B | 30 x 60 | 13 | 3/4 mile |
| C | 48 x 96 | 15 | 1 mile |

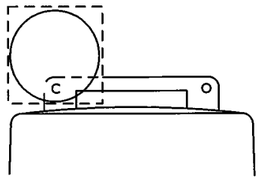
ATTENTION: Flashing Arrow Panels shall be equipped with automatic dimming devices.

WHEN NOT IN USE, REMOVE THE ARROW PANEL FROM THE RIGHT-OF-WAY OR PLACE THE ARROW PANEL BEHIND CONCRETE TRAFFIC BARRIER OR GUARDRAIL.

11. The Flashing Arrow Panel shall be mounted on a vehicle, trailer or other suitable support.
12. A Flashing Arrow Panel SHALL NOT BE USED to laterally shift traffic.
13. A full matrix PCMS may be used to simulate a Flashing Arrow Panel provided it meets visibility, flash rate and dimming requirements on this sheet for the same size arrow.
14. Minimum mounting height of trailer mounted arrow panels should be 7 feet from roadway to bottom of panel.



Type C Warning Light or approved substitute mounted adjacent to the travel way.




Warning reflector may be round or square. Must have a reflective surface area of at least 30 square inches

WARNING LIGHTS

1. Warning lights shall meet the requirements of the TMUTCD.
2. Warning lights shall NOT be installed on barricades.
3. Type A-Low Intensity Flashing Warning Lights are commonly used with drums. They are intended to warn of or mark a potentially hazardous area. Their use shall be as indicated on this sheet and/or other sheets of the plans by the designation "FL". The Type A Warning Lights shall not be used with signs manufactured with Type E Sheeting (Fluorescent Prismatic) meeting the requirements of Departmental Material Specification DMS-8300.
4. Type-C and Type D 360 degree Steady Burn Lights are intended to be used in a series for delineation to supplement other traffic control devices. Their use shall be as indicated on this sheet and/or other sheets of the plans by the designation "SB".
5. The Engineer/Inspector or the plans shall specify the location and type of warning lights to be installed on the traffic control devices.
6. When required by the Engineer, the Contractor shall furnish a copy of the warning lights certification. The warning light manufacturer will certify the warning lights meet the requirements of the latest ITE Purchase Specifications for Flashing and Steady-Burn Warning Lights.
7. When used to delineate curves, Type-C and Type D Steady Burn Lights should only be placed on the outside of the curve, not the inside.

WARNING LIGHTS MOUNTED ON PLASTIC DRUMS

1. Type A flashing warning lights are intended to warn drivers that they are approaching or are in a potentially hazardous area.
2. Type A random flashing warning lights are not intended for delineation and shall not be used in a series.
3. A series of sequential flashing warning lights placed on channelizing devices to form a merging taper may be used for delineation. If used, the successive flashing of the sequential warning lights should occur from the beginning of the taper to the end of the merging taper in order to identify the desired vehicle path. The rate of flashing for each light shall be 65 flashes per minute, plus or minus 10 flashes.
4. Type C and D steady-burn warning lights are intended to be used in a series to delineate the edge of the travel lane on detours, on lane changes, on lane closures, and on other similar conditions.
5. Type A, Type C and Type D warning lights shall be installed at locations as detailed on other sheets in the plans.
6. Warning lights shall not be installed on a drum that has a sign, chevron or vertical panel.
7. The maximum spacing for warning lights on drums should be identical to the channelizing device spacing.

WARNING REFLECTORS MOUNTED ON PLASTIC DRUMS AS A SUBSTITUTE FOR TYPE C (STEADY BURN) WARNING LIGHTS

1. A warning reflector or approved substitute may be mounted on a plastic drum as a substitute for a Type C, steady burn warning light at the discretion of the Contractor unless otherwise noted in the plans.
2. The warning reflector shall be yellow in color and shall be manufactured using a sign substrate approved for use with plastic drums listed on the CWZTCD.
3. The warning reflector shall have a minimum retroreflective surface area (one-side) of 30 square inches.
4. Round reflectors shall be fully reflectorized, including the area where attached to the drum.
5. Square substrates must have a minimum of 30 square inches of reflectorized sheeting. They do not have to be reflectorized where it attaches to the drum.
6. The side of the warning reflector facing approaching traffic shall have sheeting meeting the color and retroreflectivity requirements for DMS 8300-Type D (Non-fluorescent Prismatic).
7. When used near two-way traffic, both sides of the warning reflector shall be reflectorized.
8. The warning reflector should be mounted on the side of the handle nearest approaching traffic.
9. The maximum spacing for warning reflectors should be identical to the channelizing device spacing requirements.

# TRUCK-MOUNTED ATTENUATORS

1. Truck-mounted attenuators (TMA) used on TxDOT facilities must meet the requirements outlined in the National Cooperative Highway Research Report No. 350 (NCHRP 350).
2. Refer to the CWZTCD for the requirements of Level 2 or Level 3 TMAs.
3. Refer to the dates shown in the CWZTCD to ensure that the TMA meets the age requirements and the crashworthiness criteria established by the Federal Highway Administration (FHWA) for TMAs.
4. Refer to the CWZTCD for a list of approved TMAs.
5. TMAs are required on freeways unless otherwise noted in the plans.
6. A TMA should be used anytime that it can be positioned approximately 30 to 100 feet in advance of the area of crew exposure without adversely affecting the work performance.
7. The only reason a TMA should not be required is when a work area is spread down the roadway and the work crew is an extended distance from the TMA.

Texas Department of Transportation
Traffic Operations Division

BARRICADE AND CONSTRUCTION ARROW PANEL, REFLECTORS, WARNING LIGHTS & ATTENUATOR STANDARD

7 of 12

BC(7)-07

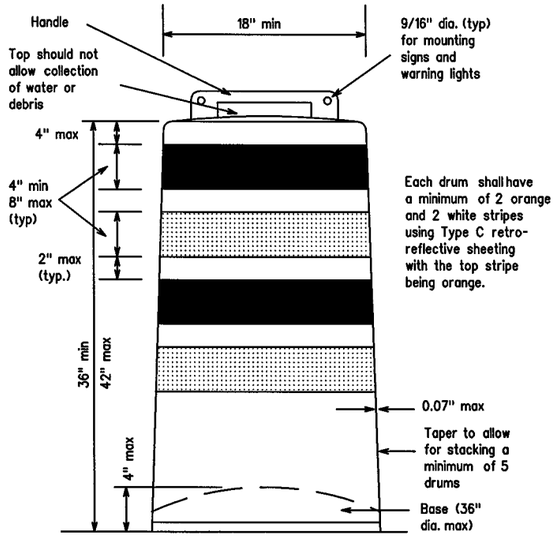
© TxDOT 11-4-02

| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| CONT | SECT | JOB | HIGHWAY |
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 639 |

9-07 REVISIONS

DATE:
FILE:

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.




## GENERAL NOTES

1. For long term stationary work zones on freeways, drums shall be used as the primary channelizing device.
2. For intermediate term stationary work zones on freeways, drums should be used as the primary channelizing device but may be replaced in tangent sections by vertical panels, or 42" two-piece cones. In tangent sections one-piece cones may be used with the approval of the Engineer but only if personnel are present on the project at all times to maintain the cones in proper position and location.
3. For short term stationary work zones on freeways, drums are the preferred channelizing device but may be replaced in tapers, transitions and tangent sections by vertical panels, two-piece cones or one-piece cones as approved by the Engineer.
4. Drums and all related items shall comply with the requirements of the current version of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
5. Drums, bases, and related materials shall exhibit good workmanship and shall be free from objectionable marks or defects that would adversely affect their appearance or serviceability.
6. The Contractor shall have a maximum of 24 hours to replace any plastic drums identified for replacement by the Engineer/Inspector. The replacement device must be an approved device.

## GENERAL DESIGN REQUIREMENTS

Prequalified plastic drums shall meet the following requirements:

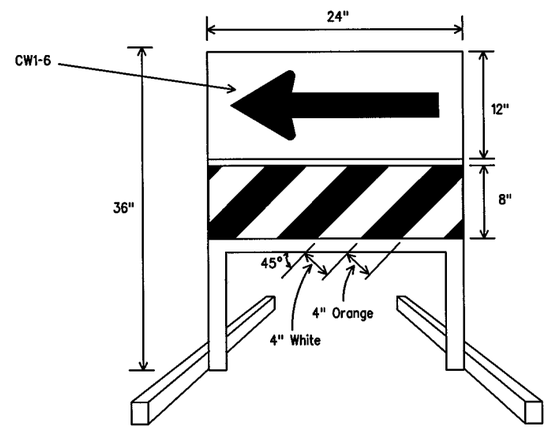
1. Plastic drums shall be a two-piece design; the "body" of the drum shall be the top portion and the "base" shall be the bottom.
2. The body and base shall lock together in such a manner that the body separates from the base when impacted by a vehicle traveling at a speed of 20 MPH or greater but prevents accidental separation due to normal handling and/or air turbulence created by passing vehicles.
3. Plastic drums shall be constructed of lightweight flexible, and deformable materials. The Contractor shall NOT use metal drums or single piece plastic drums as channelization devices or sign supports.
4. Drums shall present a profile that is a minimum of 18 inches in width at the 36 inch height when viewed from any direction. The height of drum unit (body installed on base) shall be a minimum of 36 inches and a maximum of 42 inches.
5. The top of the drum shall have a built-in handle for easy pickup and shall be designed to drain water and not collect debris. The handle shall have a minimum of two widely spaced 9/16 inch diameter holes to allow attachment of a warning light, warning reflector unit or approved compliant sign.
6. The exterior of the drum body shall have a minimum of four alternating orange and white retroreflective circumferential stripes not less than 4 inches nor greater than 8 inches in width. Any non-reflectorized space between any two adjacent stripes shall not exceed 2 inches in width.
7. Bases shall have a maximum width of 36 inches, a maximum height of 4 inches, and a minimum of two footholds of sufficient size to allow base to be held down while separating the drum body from the base.
8. Plastic drums shall be constructed of ultra-violet stabilized, orange, high-density polyethylene (HDPE) or other approved material.
9. Drum body shall have a minimum unballasted weight of 7.7 lbs. and maximum unballasted weight of 11 lbs. The wall of the drum body shall be a minimum of 0.07 inch in thickness. Weight of any drum supplied shall not vary more than 0.5 lb. from that of the prequalified sample.
10. Drum and base shall be marked with manufacturer's name and model number.

## RETROREFLECTIVE SHEETING

1. The stripes used on drums shall be constructed of sheeting meeting the color and retroreflectivity requirements of Departmental Materials Specification DMS-8300, "Flat Surface Reflective Sheeting." High Specific Intensity (Type C) retroreflective sheeting shall be supplied unless otherwise specified in the plans.
2. The sheeting shall be suitable for use on and shall adhere to the drum surface such that, upon vehicular impact, the sheeting shall remain adhered in-place and exhibit no delaminating, cracking, or loss of retroreflectivity other than that loss due to abrasion of the sheeting surface.

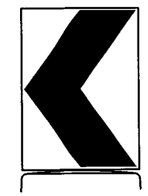
## BALLAST

1. Unballasted bases shall be large enough to hold up to 50 lbs. of sand. This base, when filled with the ballast material, should weigh between 35 lbs (minimum) and 50 lbs (maximum). The ballast may be sand in one to three sandbags separate from the base, sand in a sand-filled plastic base, or other ballasting devices as approved by the Engineer. Stacking of sandbags will be allowed, however height of sandbags above pavement surface may not exceed 12 inches.
2. Bases with built-in ballast shall weigh between 40 lbs. and 50 lbs. Built-in ballast can be constructed of an integral crumb rubber base or a solid rubber base.
3. The ballast shall not be heavy objects, water, or any material that would become hazardous to motorists, pedestrians, or workers when the drum is struck by a vehicle.
4. When used in regions susceptible to freezing, drums shall have drainage holes in the bottoms so that water will not collect and freeze becoming a hazard when struck by a vehicle.
5. Ballast shall not be placed on top of drums.
6. Adhesives may be used to secure base of drums to pavement.

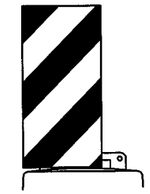



## DIRECTION INDICATOR BARRICADE

1. The Direction Indicator Barricade may be used in tapers, transitions, and other areas where specific directional guidance to drivers is necessary.
2. If used, the Direction Indicator Barricade should be used in series to direct the driver through the transition and into the intended travel lane.
3. The Direction Indicator Barricade shall consist of One-Direction Large Arrow (CW1-6) sign in the size shown with a black arrow on a background of Type E Fluoprescent Prismatic Orange above a rail with Type C High Specific Intensity retroreflective sheeting in alternation 4" white and orange stripes sloping downward at an angle of 45 degrees in the direction road users are to pass.
4. Double arrows on the Direction Indicator Barricade will not be allowed.
5. Approved manufacturers are shown on the CWZTCD List. Ballast shall be as approved by the manufacturers instructions.



18" x 24" Sign
(Maximum Sign Dimension)
Chevron CW1-8, Opposing Traffic Lane Divider, Driveway sign D70a, Keep Right R4 series or other signs as approved by Engineer



12" x 24"
Vertical Panel
mount with diagonals sloping down towards travel way

## Plywood, Aluminum or Metal sign substrates shall NOT be used on plastic drums

## SIGNS, CHEVRONS, AND VERTICAL PANELS MOUNTED ON PLASTIC DRUMS

1. Signs used on plastic drums shall be manufactured using substrates listed on the CWZTCD.
2. Chevrons and other work zone signs with an orange background shall be manufactured with Type E (Fluorescent Prismatic) sheeting meeting the color and retroreflectivity requirements of DMS-8300, "Sign Face Material," unless otherwise specified in the plans.
3. Vertical Panels shall be manufactured with orange and white sheeting meeting the requirements of DMS-8300 Type C (High Specific Intensity). Diagonal stripes on Vertical Panels shall slope down toward the intended traveled lane.
4. Other sign messages (text or symbolic) may be used as approved by the Engineer. Sign dimensions shall not exceed 18 inches in width or 24 inches in height.
5. Signs shall be installed using a 1/2 inch bolt (nominal) and nut, two washers, and one locking washer for each connection.
6. Mounting bolts and nuts shall be fully engaged and adequately torqued. Bolts should not extend more than 1/2 inch beyond nuts.
7. Chevrons may be placed on drums on the outside of curves, on merging tapers or on shifting tapers. When used in these locations they may be placed on every drum or spaced not more than on every third drum. A minimum of three (3) should be used at each location called for in the plans.
8. R9-9, R9-10, R9-11 and R9-11a Sidewalk Closed signs which are 24 inches wide may be mounted on plastic drums, with approval of the Engineer.

Texas Department of Transportation
Traffic Operations Division

# BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES STANDARD

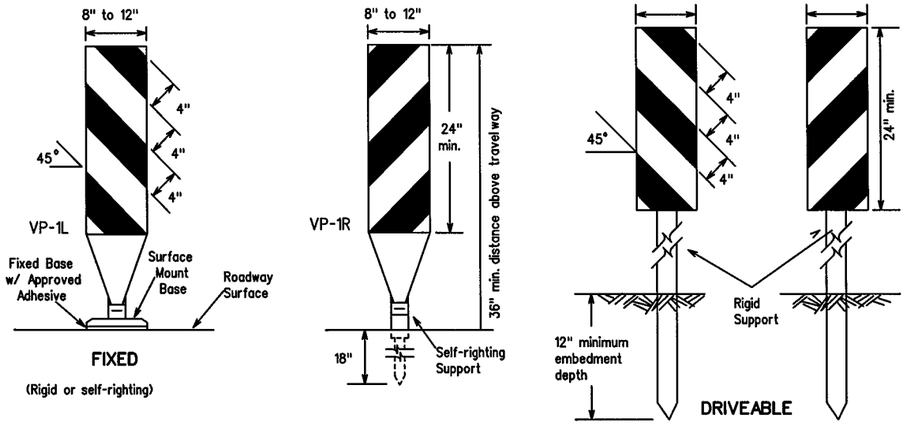
8 of 12 BC(8)-07

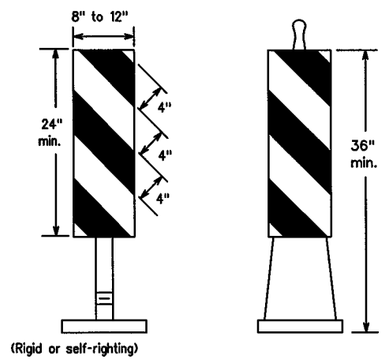
| | | | | | |
|---|---|---|---|---|---|
| ©TxDOT 11-4-02 | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT | |
| 4-03 9-07 REVISIONS | CONT | SECT | JOB | HIGHWAY | |
| | 0014 | 16 | 255, ETC. | IH 35W | |
| | DIST | | COUNTY | SHEET NO. | |
| | FTW | | TARRANT | 640 | |

DATE:
FILE:

# CHANNELIZING DEVICES

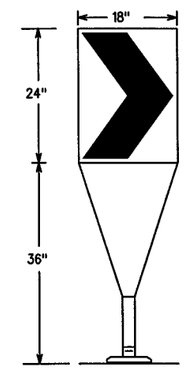
## VERTICAL PANELS (VPs)




1. Vertical Panels (VP's) are normally used to channelize traffic or divide opposing lanes of traffic.
2. VP's may be used in daytime or nighttime situations. They may be used at the edge of shoulder drop-offs and other areas such as lane transitions where positive daytime and nighttime delineation is required. The Engineer/Inspector shall refer to the Roadway Design Manual Appendix B "Treatment of Pavement Drop-offs in Work Zones" for additional guidelines on the use of VP's for drop-offs.
3. VP's should be mounted back to back if used at the edge of cuts adjacent to two-way two lane roadways. Stripes are to be reflective orange and reflective white and should always slope downward toward the travel lane.
4. VP's used on expressways and freeways or other high speed roadways, shall have a minimum of 270 square inches of retroreflective area facing traffic.
5. Self-righting supports are available with portable base. See "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
6. Sheeting for the VP's shall be retroreflective Type C (High Specific Intensity) conforming to Departmental Material Specification DMS-8300, unless noted otherwise.
7. Where the height of reflective material on the vertical panel is greater than 36 inches, a panel stripe of 6 inches shall be used.

## CHEVRONS

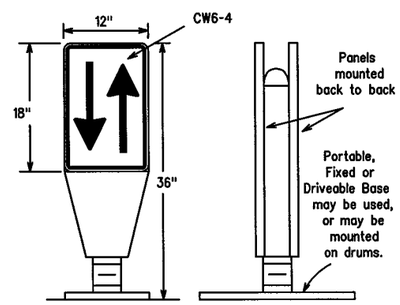



1. The chevron shall be a vertical rectangle with a minimum size of 12 by 18 inches.
2. Chevrons are intended to give notice of a sharp change of alignment with the direction of travel and provide additional emphasis and guidance for vehicle operators with regard to changes in horizontal alignment of the roadway.
3. Chevrons, when used, shall be erected on the outside of a sharp curve or turn, or on the far side of an intersection. They shall be in line with and at right angles to approaching traffic. Spacing should be such that the motorist always has three in view, until the change in alignment eliminates its need.
4. To be effective, the chevron should be visible for at least 500 feet.
5. Chevrons shall be orange with a black nonreflective legend. Sheeting for the chevron shall be retroreflective Type E (Fluorescent Prismatic) conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall be black vinyl non-reflective decal sheeting meeting the requirements of DMS-8300.
6. For Long Term Stationary use on tapers or transitions on freeways and divided highways self-righting chevrons may be used to supplement plastic drums but not to replace plastic drums.

GENERAL NOTES:

1. Work Zone channelizing devices illustrated on this sheet may be installed in close proximity to traffic and are suitable for use on high or low speed roadways. The Engineer/Inspector shall ensure that spacing and placement is uniform and in accordance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
2. Channelizing devices shown on this sheet may have a driveable, fixed or portable base. The requirement for self-righting channelizing devices must be specified in the General Notes or other plan sheets.
3. Channelizing devices on self-righting supports should be used in work zone areas where channelizing devices are frequently impacted by errant vehicles or vehicle related wind gusts making alignment of the channelizing devices difficult to maintain. Locations of these devices shall be detailed elsewhere in the plans. These devices shall conform to the TMUTCD and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
4. The Contractor shall maintain devices in a clean condition and replace damaged, nonreflective, faded, or broken devices and bases as required by the Engineer/Inspector. The Contractor shall be required to maintain proper device spacing and alignment.
5. Portable bases shall be fabricated from virgin and/or recycled rubber. The portable bases shall weigh approximately 35 lbs.
6. Pavement surfaces shall be prepared in a manner that ensures proper bonding between the adhesives, the fixed mount bases and the pavement surface. Adhesives shall be prepared and applied according to the manufacturer's recommendations.
7. The installation and removal of channelizing devices shall not cause detrimental effects to the final pavement surfaces, including pavement surface discoloration or surface integrity. Driveable bases shall not be permitted on final pavement surfaces. The Engineer/Inspector shall approve all application and removal procedures of fixed bases.
8. Examples on this sheet are commonly used channelizing devices in work zones. For other devices, refer to the CWZTCD.

## OPPOSING TRAFFIC LANE DIVIDERS (OTLD)

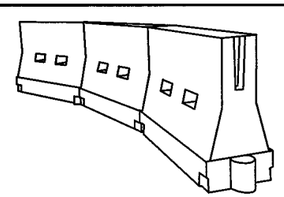



1. Opposing Traffic Lane Dividers (OTLD) are delineation devices designed to convert a normal one-way roadway section to two-way operation. OTLD's are used on temporary centerlines. The upward and downward arrows on the sign's face indicate the direction of traffic on either side of the divider. The base is secured to the pavement with an adhesive or rubber weight to minimize movement caused by a vehicle impact or wind gust.
2. The OTLD may be used in combination with simple tubular markers or VPs.
3. Spacing between the OTLD shall not exceed 500 feet. Tubular markers or VPs placed between the OTLD's should not exceed 100 foot spacing.
4. The OTLD shall be orange with a black nonreflective legend. Sheeting for the OTLD shall be retroreflective Type E (Fluorescent Prismatic) conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall be black vinyl non-reflective decal sheeting meeting the requirements of DMS-8300.

| Posted Speed | Formula | Minimum Desirable Taper Lengths ** 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Channelizing Devices On a Taper | On a Tangent |
|---|---|---|---|---|---|---|
| 30 | $L=\frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60'-75' |
| 35 | | 205' | 225' | 245' | 35' | 70'-90' |
| 40 | | 265' | 295' | 320' | 40' | 80'-100' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90'-110' |
| 50 | | 500' | 550' | 600' | 50' | 100'-125' |
| 55 | | 550' | 605' | 660' | 55' | 110'-140' |
| 60 | | 600' | 660' | 720' | 60' | 120'-150' |
| 65 | | 650' | 715' | 780' | 65' | 130'-165' |
| 70 | | 700' | 770' | 840' | 70' | 140'-175' |
| 75 | | 750' | 825' | 900' | 75' | 150'-185' |
| 80 | | 800' | 880' | 960' | 80' | 160'-195' |

** Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.)
S=Posted Speed (MPH)

## HOLLOW OR WATER BALLASTED SYSTEMS USED AS LONGITUDINAL CHANNELIZING DEVICES OR BARRIERS



**LONGITUDINAL CHANNELIZING DEVICES**

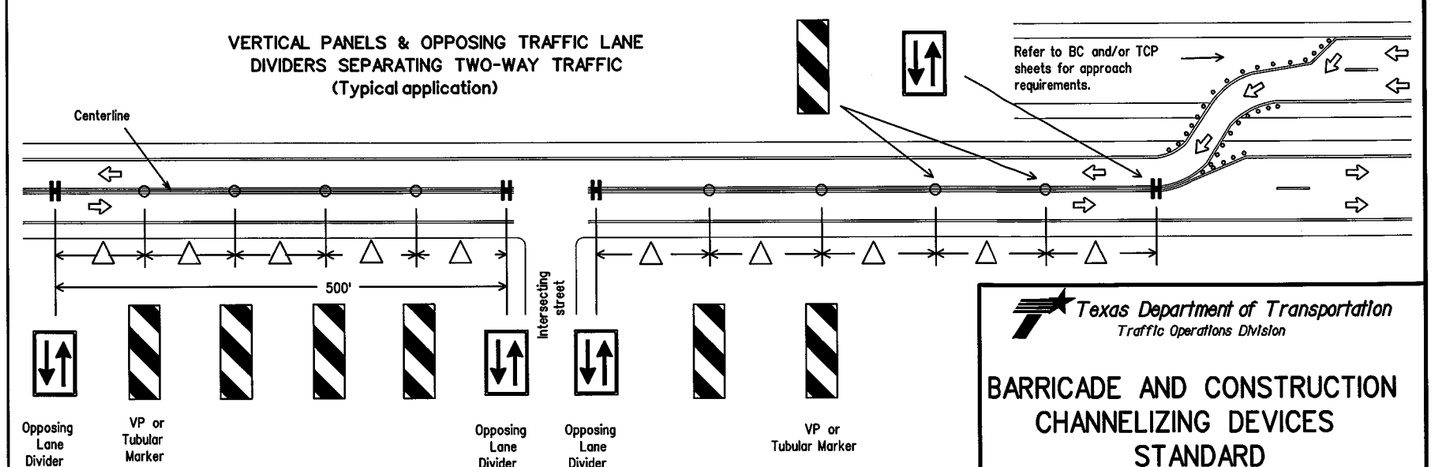
1. Longitudinal channelizing devices are crashworthy, lightweight, deformable devices that are highly visible, have good target value and can be connected together. They are not designed to contain or redirect a vehicle on impact.
2. Longitudinal channelizing devices may be used instead of a line of cones or drums.
3. Longitudinal channelizing devices shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. Longitudinal channelizing devices should not be used to provide positive protection for obstacles, pedestrians or workers.
5. Longitudinal channelizing devices shall be retroreflective, or supplemented with retroreflective delineation as required for temporary barriers on BC(7)-07.

**WATER BALLASTED SYSTEMS USED AS BARRIERS**

1. Water ballasted systems used as barriers shall not be used solely to channelize road users, but also to protect the work space per the appropriate NCHRP 350 crashworthiness requirements based on roadway speed and barrier application.
2. Water ballasted systems used to channelize vehicular traffic shall be supplemented with retroreflective delineation or channelizing devices to improve daytime/nighttime visibility. They may also be supplemented with pavement markings.
3. Water ballasted systems used as barriers shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. Water ballasted systems used as barriers should not be used for a merging taper except in low speed (less than 45 MPH) urban areas. When used on a taper in a low speed urban area, the taper shall be delineated and the taper length should be designed to optimize road user operations considering the available geometric conditions.
5. When water ballasted systems used as barriers have blunt ends exposed to traffic, they should be attenuated as per manufacturer recommendations or flared to point outside the clear zone.

If used to channelize pedestrians, longitudinal channelizing devices or water ballasted systems must have a continuous detectable bottom for users of long canes and the top of the unit shall be not less than 32 inches in height.

## VERTICAL PANELS & OPPOSING TRAFFIC LANE DIVIDERS SEPARATING TWO-WAY TRAFFIC (Typical application)




△ Spacing between the VP's or tubular markers shall not exceed 100 feet. On roadways with speeds less than 45 MPH, spacing between the tubular markers or VP's shall be as shown on the channelizing spacing table shown on this page. If the table shows spacing greater than 100 feet based on the roadway speed, then use a maximum of 100 feet spacing between the tubular markers or VP's. Every fifth channelizing device shall be an OTLD, except when the OTLD must be spaced closer to accomodate an intersection. Spacing between the OTLD shall not exceed 500 feet.

Texas Department of Transportation
Traffic Operations Division

# BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES STANDARD

9 of 12 BC(9)-07

© TxDOT 11-4-02

| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| CONT | SECT | JOB | HIGHWAY |
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 641 |

9-07 REVISIONS

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

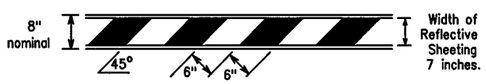
DATE:
FILE:

## TYPE III BARRICADES

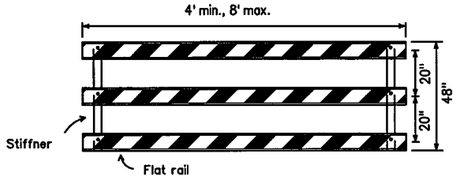
1. Refer to the Compliant Work Zone Traffic Control Devices List (CWZTCD) for details of the Type III Barricades and a list of all materials used in the construction of Type III Baricades.
2. Type III Barricades shall be used at each end of construction projects closed to all traffic.
3. Barricades extending across a roadway should have stripes that slope downward in the direction toward which traffic must turn in detouring. When both right and left turns are provided, the chevron striping may slope downward in both directions from the center of the barricade. Where no turns are provided at a closed road striping should slope downward in both directions toward the center of roadway.
4. Striping of rails, for the right side of the roadway, should slope downward to the left. For the left side of the roadway, striping should slope downward to the right.
5. Identification markings may be shown only on the back of the barricade rails. The maximum height of letters and/or company logos used for identification shall be 1".
6. Barricades shall not be placed parallel to traffic unless an adequate clear zone is provided.
7. Warning lights shall NOT be installed on barricades.
8. Where barricades require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand is recommended. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight. Sand bags shall not be stacked in a manner that covers any portion of a barricade rails reflective sheeting. Rock, concrete, iron, steel or other solid objects will NOT be permitted. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as tire inner tubes) shall not be used for sandbags. Sandbags shall only be placed along or upon the base supports of the device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners.
9. Sheeting for barricades shall be retroreflective Type C (High Specific Intensity) conforming to Departmental Material Specification DMS-8300 unless otherwise noted.

**Barricades shall NOT be used as a sign support.**

## TYPICAL STRIPING DETAIL FOR BARRICADE RAIL



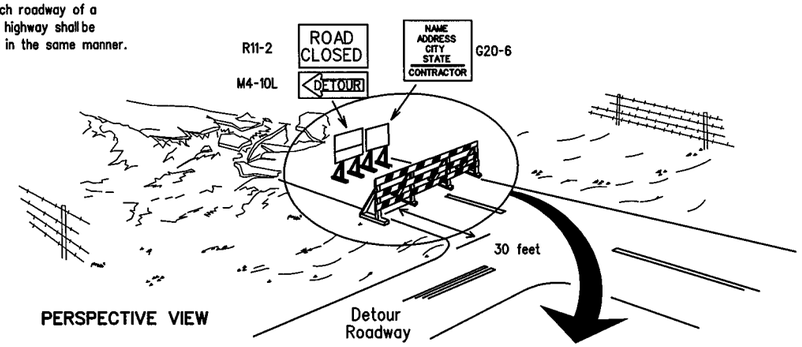

## TYPICAL PANEL DETAIL FOR SKID OR POST TYPE BARRICADES




Stiffner may be inside or outside of support, but no more than 2 stiffeners shall be allowed on one barricade.

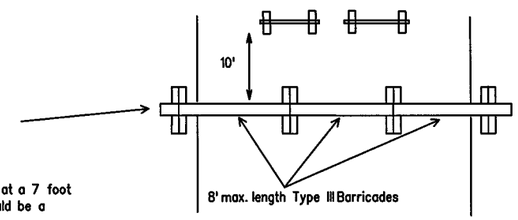
## TYPE III BARRICADE (POST AND SKID) TYPICAL APPLICATION

Each roadway of a divided highway shall be barricaded in the same manner.




PERSPECTIVE VIEW

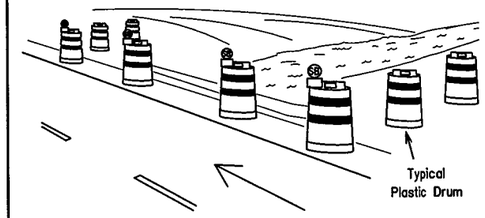
The three rails on Type III barricades shall be reflectorized orange and reflective white stripes on one side facing one-way traffic and both sides for two-way traffic.
Barricade striping should slant downward in the direction of detour.




PLAN VIEW

1. Signs should be mounted on independent supports at a 7 foot mounting height in center of roadway. The signs should be a minimum of 10 feet behind Type III Barricades.
2. Advance signing shall be as specified elsewhere in the plans.

## CULVERT WIDENING OR OTHER ISOLATED WORK WITHIN THE PROJECT LIMITS

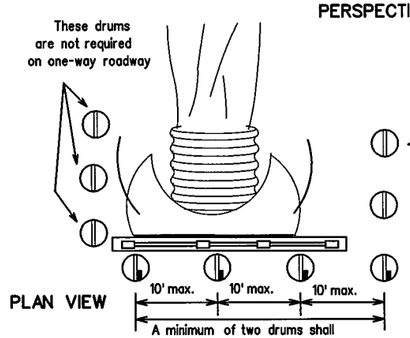



PERSPECTIVE VIEW

1. Where positive redirectional capability is provided, drums may be omitted.
2. Plastic construction fencing may be used with drums for safety as required in the plans.
3. Vertical Panels on flexible support may be substituted for drums when the shoulder width is less than 4 feet.
4. When the shoulder width is greater than 12 feet, steady-burn lights may be omitted if drums are used.
5. Drums must extend the length of the culvert widening.

These drums are not required on one-way roadway

Increase number of plastic drums on the side of approaching traffic if the crown width makes it necessary. (minimum of 2 and maximum of 4 drums)

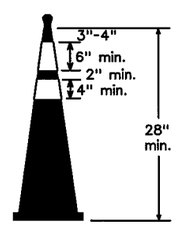



PLAN VIEW

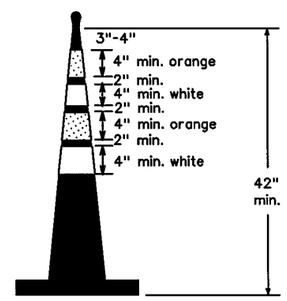
Legend

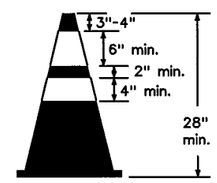
- Plastic drum
- Plastic drum with steady burn light or yellow warning reflector
- SB Steady burn warning light or yellow warning reflector

## CONES

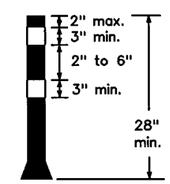



Two-Piece cones




One-Piece cones

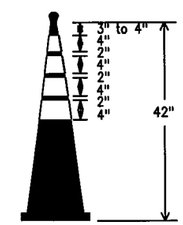



Tubular Marker

**28" Cones shall have a minimum weight of 9 1/2 lbs.**

**42" 2-piece cones shall have a minimum weight of 30 lbs. including base.**

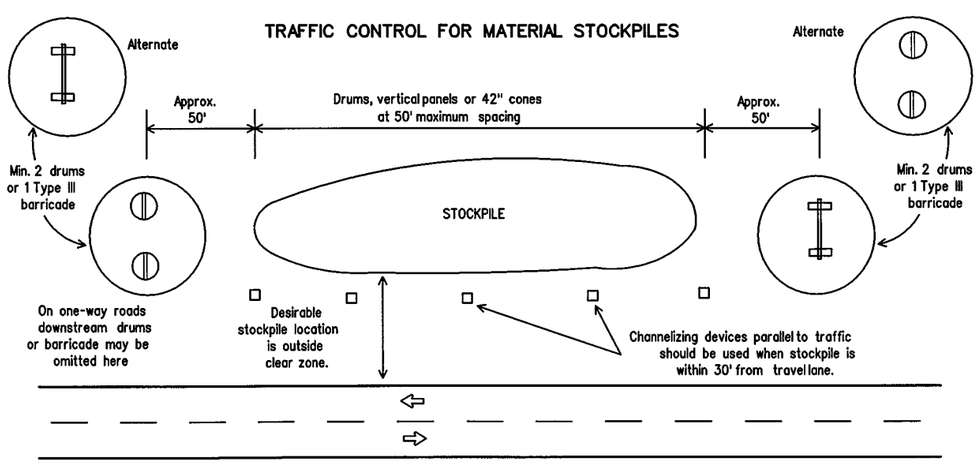
1. Traffic cones and tubular markers shall be a minimum of 28 inches in height when used either on freeways or at nighttime.
2. Cones or tubular markers shall be predominantly orange, fluorescent red-orange, or fluorescent yellow-orange. They should be kept clean and bright for maximum visibility.
3. Cones used only for daytime operations do not require the reflectorized bands.
4. Cones and tubular markers used for nighttime operations shall be reflectorized. Reflectorized material shall have a smooth, sealed outer surface that displays the same approximate color during the day and night. The reflectorized bands shall be retroreflective Type C (High Specific Intensity) conforming to Departmental Material Specification DMS-8300, unless otherwise noted.
5. When used at night, appropriate personnel shall ensure that cones and tubular markers remain in their proper location and in an upright position.
6. Reflectorization of 28" cones shall consist of a minimum 6 inch band placed at least 3 inches but not more than 4 inches from the top, supplemented by a minimum 4 inch band spaced a minimum of 2 inches below the 6 inch band.
7. Reflectorization of 42" cones shall be provided by alternating 4 to 6" orange and white stripes with orange on top.
8. Reflectorization of tubular markers shall be a minimum of two 3 inch bands placed a maximum of 2 inches from the top with a maximum of 6 inches between bands.
9. One-piece cones or tubular markers are generally suitable for temporary usage (up to 8 hours) with other channelization devices such as vertical panels, drums or two-piece cones for long term usage. Care should be taken to ensure they remain in their proper location and in an upright position.
10. Cones or tubular markers used on each project shall be of the same size and shape.
11. The handle may be designed as a hook or other shape, fabricated from non-rigid materials similar to the cone material, and may extend up to a maximum of 8 inches above the top of cone. Length of the handle shall not be considered with regard to the overall height of the cone.




EDGELINE CHANNELIZER

1. This device is intended only for use in place of a vertical panel to channelize traffic by indicating the edge of the travel lane. It is not intended to be used in transitions or tapers.
2. This device shall not be used to separate lanes of traffic (opposing or otherwise) or warn of objects.
3. This device is based on a 42 inch, two-piece cone with an alternate striping pattern: four 4 inch retroreflective bands, with an approximate 2 inch gap between bands. The color of the band should correspond to the color of the edgeline (yellow for left edgeline, white for right edgeline) for which the device is substituted or for which it supplements. The reflectorized bands shall be retroreflective Type C encapsulated bead (High Specific Intensity) conforming to Departmental Material Specification DMS-8300, unless otherwise noted.
4. The base must weigh a minimum of 30 lbs.

## TRAFFIC CONTROL FOR MATERIAL STOCKPILES




DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE:
FILE:

Texas Department of Transportation
Traffic Operations Division

# BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES STANDARD

10 of 12

BC(10)-07

| ©TxDOT 11-4-02 | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| 9-07 REVISIONS | CONT | SECT | JOB | HIGHWAY |
| | 0014 | 16 | 255, ETC. | IH 35W |
| | DIST | | COUNTY | SHEET NO. |
| | FTW | | TARRANT | 642 |

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

# WORK ZONE PAVEMENT MARKINGS

## GENERAL

1. The Contractor shall be responsible for maintaining work zone and existing pavement markings, in accordance with the standard specifications and special provisions, on all roadways open to traffic within the CSJ limits unless otherwise stated in the plans.
2. Color, patterns and dimensions shall be in conformance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
3. Additional supplemental pavement marking details may be found in the plans or specifications.
4. Pavement markings shall be installed in accordance with the TMUTCD and as shown on the plans.
5. When short term markings are required on the plans, short term markings shall conform with the TMUTCD, the plans and details as shown on the Standard Plan Sheet WZ(STPM).
6. When standard pavement markings are not in place and the roadway is opened to traffic, DO NOT PASS signs shall be erected to mark the beginning of the sections where passing is prohibited and PASS WITH CARE signs at the beginning of sections where passing is permitted.
7. All work zone pavement markings shall be installed in accordance with Item 662, "Work Zone Pavement Markings."

## RAISED PAVEMENT MARKERS

1. Raised pavement markers are to be placed according to the patterns on BC(12).
2. All raised pavement markers used for work zone markings shall meet the requirements of Item 672, "RAISED PAVEMENT MARKERS" and Departmental Material Specification DMS-4200 or DMS-4300.

## PREFABRICATED PAVEMENT MARKINGS

1. Removable prefabricated pavement markings shall meet the requirements of DMS-8241.
2. Non-removable prefabricated pavement markings (foil back) shall meet the requirements of DMS-8240.

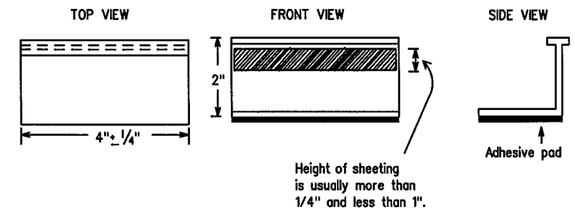
## MAINTAINING WORK ZONE PAVEMENT MARKINGS

1. The Contractor will be responsible for maintaining work zone pavement markings within the work limits.
2. Work zone pavement markings shall be inspected in accordance with the frequency and reporting requirements of work zone traffic control device inspections as required by Form 599.
3. The markings should provide a visible reference for a minimum distance of 300 feet during normal daylight hours and 160 feet when illuminated by automobile low-beam headlights at night, unless sight distance is restricted by roadway geometrics.
4. Markings failing to meet this criteria within the first 30 days after placement shall be replaced at the expense of the Contractor as per Specification Item 662.

## REMOVAL OF PAVEMENT MARKINGS

1. Pavement markings that are no longer applicable, could create confusion or direct a motorist toward or into the closed portion of the roadway, shall be removed or obliterated before the roadway is opened to traffic.
2. The above shall not apply to detours in place for less than two weeks, where flaggers and/or sufficient channelizing devices are used in lieu of markings to outline the detour route.
3. Pavement markings shall be removed to the fullest extent possible, so as not to leave a discernable marking. This shall be by any method approved by TxDOT Specification Item 677 for "Eliminating Existing Pavement Markings and Markers".
4. The removal of pavement markings may require resurfacing or seal coating portions of the roadway.
5. Subject to the approval of the Engineer, any method that proves to be successful on a particular type pavement may be used.
6. Blast cleaning may be used but will not be required unless specifically shown in the plans.
7. Over-painting of the markings SHALL NOT BE permitted.
8. Removal of raised pavement markers shall be as directed by the Engineer.
9. Removal of existing pavement markings and markers will be paid for directly in accordance with Item 677, "ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS," unless otherwise stated in the plans.
10. Black-out marking tape may be used to cover conflicting existing markings for periods less than two weeks when approved by the Engineer.

## Temporary Flexible-Reflective Roadway Marker Tabs




**STAPLES OR NAILS SHALL NOT BE USED TO SECURE TEMPORARY FLEXIBLE-REFLECTIVE ROADWAY MARKER TABS TO THE PAVEMENT SURFACE**

1. Temporary flexible-reflective roadway marker tabs used as guidemarks shall meet the requirements of DMS-8242.
2. Tabs detailed on this sheet are to be inspected and accepted by the Engineer or designated representative. Sampling and testing is not normally required, however at the option of the Engineer, either "A" or "B" below may be imposed to assure quality before placement on the roadway.
   - A. Select five (5) or more tabs at random from each lot or shipment and submit to the Construction Division, Materials and Pavement Section to determine specification compliance.
   - B. Select five (5) tabs and perform the following test. Affix five (5) tabs at 24 inch intervals on an asphaltic pavement in a straight line. Using a medium size passenger vehicle or pickup, run over the markers with the front and rear tires at a speed of 35 to 40 miles per hour, four (4) times in each direction. No more than one (1) out of the five (5) reflective surfaces shall be lost or displaced as a result of this test.
3. Small design variances may be noted between tab manufacturers.
4. See Standard Sheet WZ(STPM) for tab placement on new pavements. See Standard Sheet TCP(7-1) for tab placement on seal coat work.

## Raised Pavement Markers used as Guidemarks

1. Raised pavement markers used as guidemarks shall be from the approved product list, and meet the requirements of DMS-4200.
2. All temporary construction raised pavement markers provided on a project shall be of the same manufacturer.
3. Adhesive for guidemarks shall be bituminous material hot applied or butyl rubber pad for all surfaces, or thermoplastic for concrete surfaces.

Guidemarks shall be designated as:
YELLOW - (two amber reflective surfaces with yellow body).
WHITE - (one silver reflective surface with white body).

DEPARTMENTAL MATERIAL SPECIFICATIONS

| | |
|---|---|
| PAVEMENT MARKERS (REFLECTORIZED) | DMS-4200 |
| TRAFFIC BUTTONS | DMS-4300 |
| EPOXY AND ADHESIVES | DMS-6100 |
| BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS | DMS-6130 |
| PREFABRICATED PAVEMENT MARKINGS-PERMANENT | DMS-8240 |
| PREFABRICATED PAVEMENT MARKINGS-REMOVABLE | DMS-8241 |
| TEMPORARY FLEXIBLE-REFLECTIVE ROADWAY MARKER TABS | DMS-8242 |

A list of prequalified reflective raised pavement markers, non-reflective traffic buttons, roadway marker tabs and other pavement markings can be found at the Material Producer List web address shown on BC(1).

Texas Department of Transportation
Traffic Operations Division

BARRICADE AND CONSTRUCTION PAVEMENT MARKINGS STANDARD

11 of 12 BC(11)-07

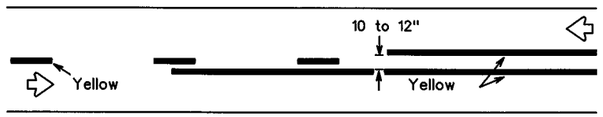
©TxDOT February 1998

| REVISIONS | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| 2-98 | CONT | SECT | JOB | HIGHWAY |
| 1-02 | 0014 | 16 | 255, ETC. | IH 35W |
| 11-02 | DIST | | COUNTY | SHEET NO. |
| 9-07 | FTW | | TARRANT | 643 |

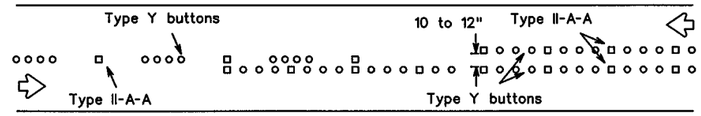
DATE:
FILE:
1998

# PAVEMENT MARKING PATTERNS

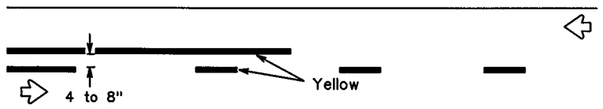
## CENTER LINE & NO-PASSING ZONE BARRIER LINES FOR TWO-LANE, TWO-WAY HIGHWAYS



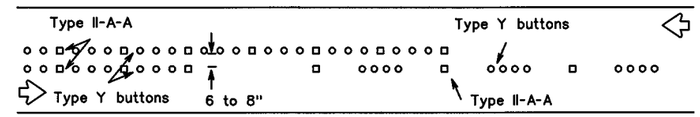

REFLECTORIZED PAVEMENT MARKINGS - PATTERN A




RAISED PAVEMENT MARKERS - PATTERN A



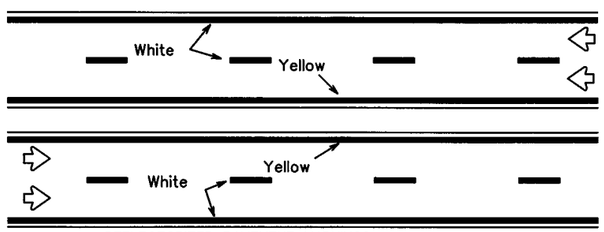

REFLECTORIZED PAVEMENT MARKINGS - PATTERN B



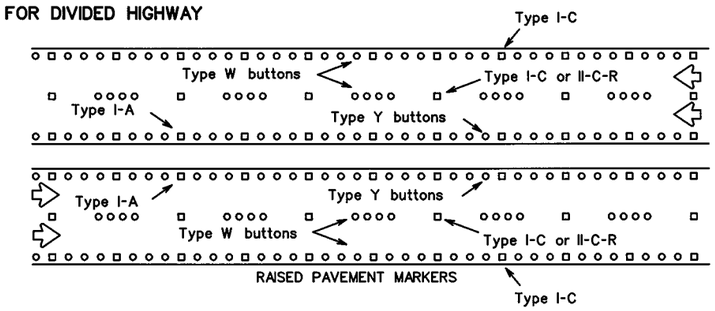

RAISED PAVEMENT MARKERS - PATTERN B

Pattern A is the TXDOT Standard, however Pattern B may be used if approved by the Engineer. Prefabricated markings may be substituted for reflectorized pavement markings.

## EDGE & LANE LINES FOR DIVIDED HIGHWAY



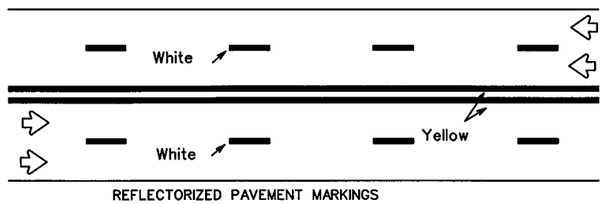

REFLECTORIZED PAVEMENT MARKINGS



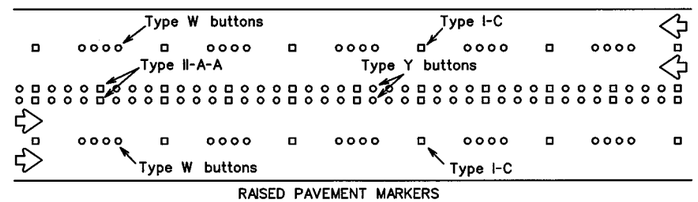

RAISED PAVEMENT MARKERS

Prefabricated markings may be substituted for reflectorized pavement markings.

## LANE & CENTER LINES FOR MULTILANE UNDIVIDED HIGHWAYS



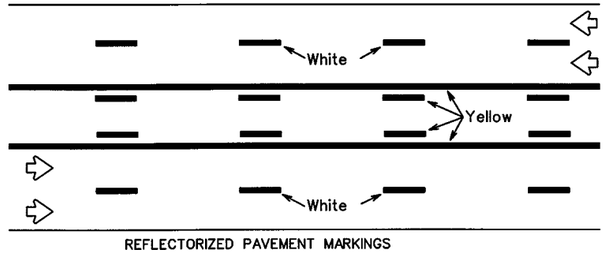

REFLECTORIZED PAVEMENT MARKINGS



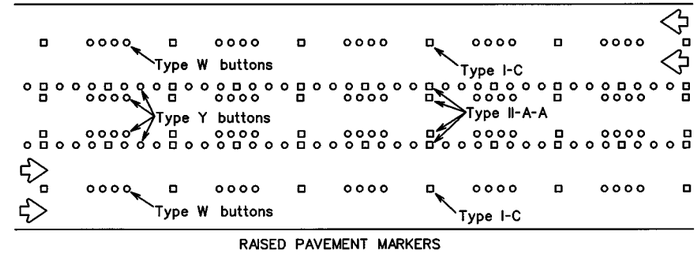

RAISED PAVEMENT MARKERS

Prefabricated markings may be substituted for reflectorized pavement markings.

## TWO-WAY LEFT TURN LANE




REFLECTORIZED PAVEMENT MARKINGS



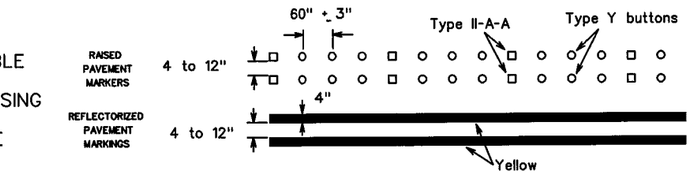

RAISED PAVEMENT MARKERS

Prefabricated markings may be substituted for reflectorized pavement markings.

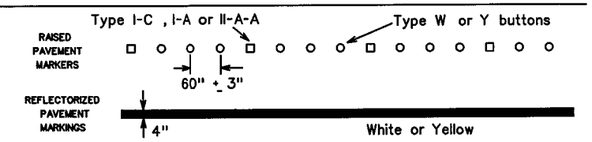
# STANDARD WORK ZONE PAVEMENT MARKINGS DETAILS

## SOLID LINES

### DOUBLE NO-PASSING LINE

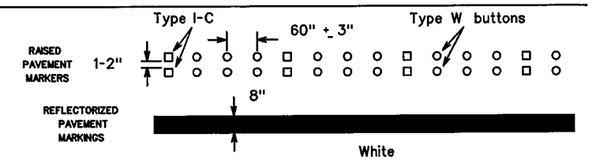



### EDGE LINE OR SINGLE NO-PASSING LINE



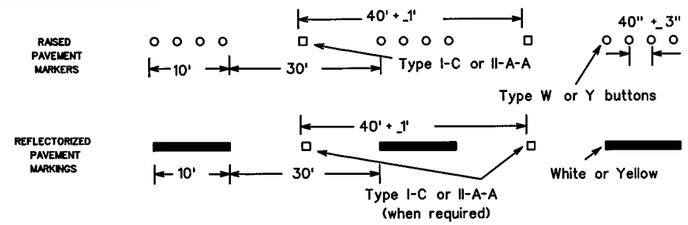

### WIDE LINE

(FOR LEFT TURN CHANNELIZING LINE OR CHANNELIZING LINE USED TO DISCOURAGE LANE CHANGING.)



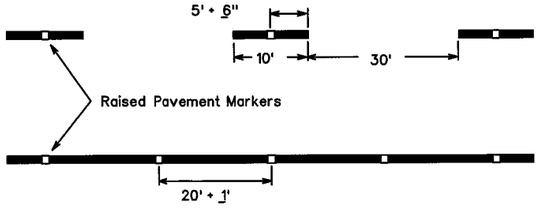

## BROKEN LINE

(FOR CENTER LINE OR LANE LINE.)




## REMOVABLE MARKINGS WITH RAISED PAVEMENT MARKERS

If raised pavement markers are used to supplement REMOVABLE markings, the markers shall be applied to the top of the tape at the approximate mid length of tape used for broken lines or at 20 foot spacing for solid lines. This allows an easier removal of raised pavement markers and tape.




Centerline only - not to be used on edge lines

Raised pavement markers used as standard pavement markings shall be from the approved products list and meet the requirements of Item 672 "RAISED PAVEMENT MARKERS."

Texas Department of Transportation
Traffic Operations Division

# BARRICADE AND CONSTRUCTION PAVEMENT MARKING PATTERNS STANDARD

12 of 12 BC(12)-07

©TxDOT February 1998

| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| CONT | SECT | JOB | HIGHWAY |
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 644 |

1-97
2-98
11-02
9-07
REVISIONS

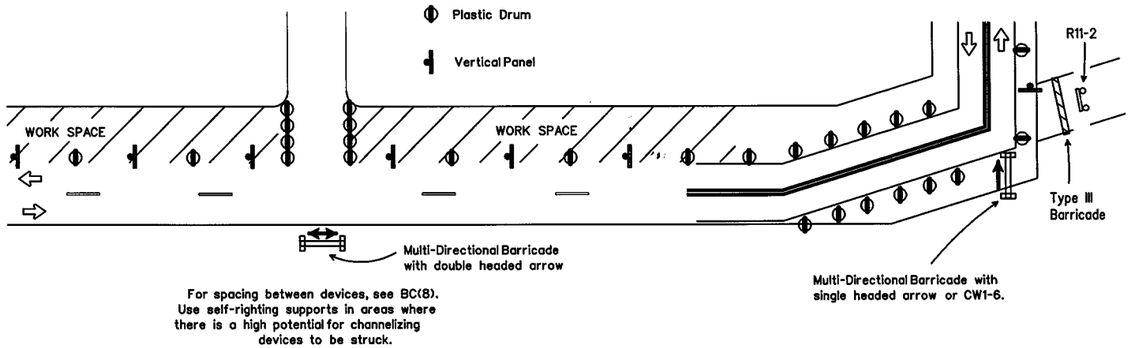
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE:
FILE:

1090

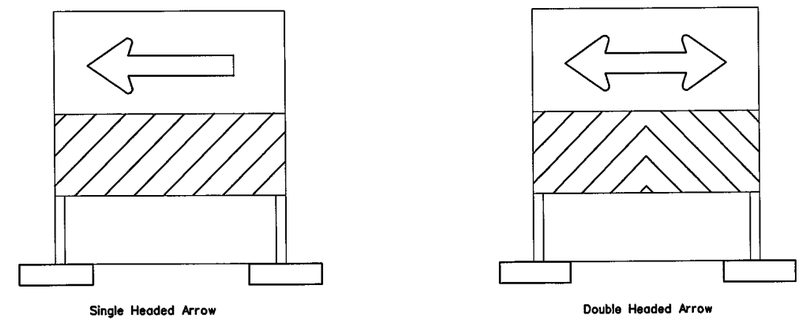
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

## CHANNELIZING DEVICES FOR URBAN ROADWAY TYPE PROJECT



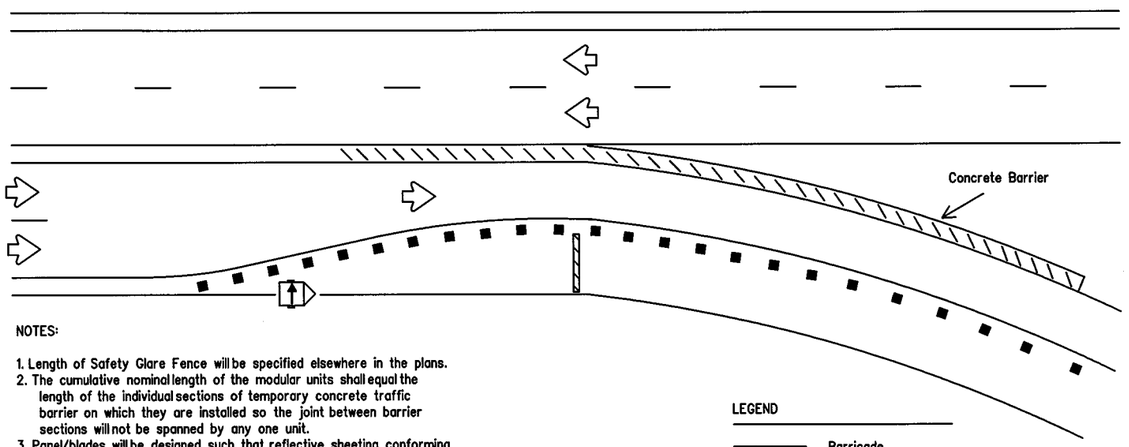

For spacing between devices, see BC(8). Use self-righting supports in areas where there is a high potential for channelizing devices to be struck.

## MULTI-DIRECTIONAL BARRICADE




1. Multi-directional barricade shall not be used for lane closures.
2. May be used for sharp changes in alignment, or across roadway from stem of "T" intersection.
3. Typically used for Intermediate Term Stationary, Short Term Stationary or Short Duration work zone operations.
4. See the CWZTCD List for approved designs.

## BARRIER DELINEATION WITH SAFETY GLARE FENCE



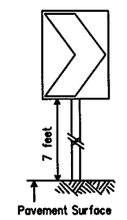

NOTES:

1. Length of Safety Glare Fence will be specified elsewhere in the plans.
2. The cumulative nominal length of the modular units shall equal the length of the individual sections of temporary concrete traffic barrier on which they are installed so the joint between barrier sections will not be spanned by any one unit.
3. Panel/blades will be designed such that reflective sheeting conforming with Departmental Material Specification DMS-8300, Flat Surface Reflective Sheeting, Type C (High Specific Intensity), minimum size of 2 inches by 12 inches can be attached to the edge of the panel/blade. The sheeting shall be attached to one panel/blade per section of concrete barrier not to exceed a spacing of 30 feet. Barrier reflectors are not necessary when panel/blades are installed.
4. Moduler Glare Screens for head light barrier shall meet the requirements of DMS-8610.

LEGEND

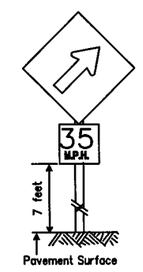
- Barricade
- Channelizing devices
- Trailer mounted flashing arrow panel
- Safety glare fence

## USAGE OF CW1-6, ECW1-6a AND CW1-8 SIGNS



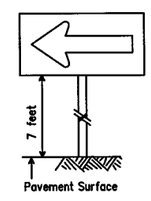

**CW1-8**

The CHEVRON sign (CW1-8) may be used to replace roadside delineation on curves or used in transitions or tapers.



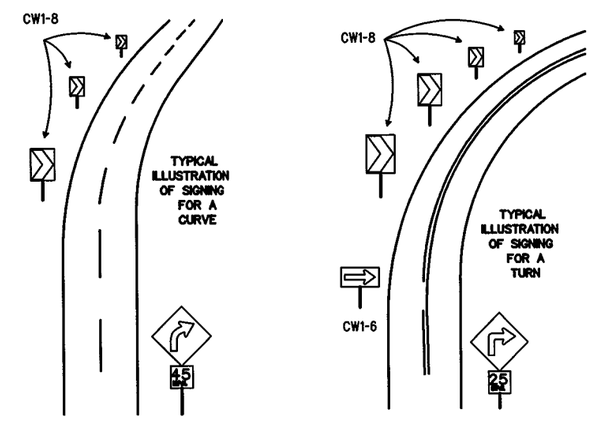

**ECW1-6a**

An UPWARD SLOPING ARROW sign (ECW1-6a) is intended to be used to indicate the beginning of a curve or transition. It should be preceded with an appropriate curve sign when needed, and should not be used throughout the curve or transition. Advisory speed plaque is optional.




**CW1-6**

A LARGE ARROW sign (CW1-6) is intended to be used to give notice of a sharp change in alignment (turn) in the direction of travel. It should be preceded with an appropriate advance construction warning turn sign.




NOTES:

1. CW1-6, ECW1-6a & CW1-8 signs shall be mounted on fixed supports.
2. Chevrons, when used, shall be erected on the outside of a sharp curve or turn, or on the far side of an intersection. They shall be in line with and at right angles to approaching traffic. Spacing should be such that the motorist always has three in view, until the change in alignment eliminates its need.
3. For two-way traffic, use same arrangement of signs on outside of curve for each direction of travel.
4. Appropriate advance warning CURVE or TURN sign with Advisory Speed plaque should be used when needed.

**Only pre-qualified products shall be used. A copy of the "Compliant Work Zone Traffic Control Devices List" (CWZTCD) describes pre-qualified products and their sources and may be obtained by contacting:**

**Standards Engineer**
**Traffic Operations Division - TE**
**Texas Department of Transportation**
**125 East 11th Street**
**Austin, Texas 78701-2483**
**Phone (512) 416-3120**
**Fax (512) 416-3299**

**Instructions to locate the "CWZTCD" on TxDOT website are:**

**Start at website - www.dot.state.tx.us**
**Click on "About TxDOT",**
**Click on "Organizational Chart",**
**Click on Traffic Operations Box,**
**Click on "Compliant Work Zone Traffic Control Devices",**
**Click on "View PDF".**
**This site is printable.**

PREQUALIFICATION PROCEDURES ARE OBTAINED FROM:

CONSTRUCTION DIVISION-MATERIALS AND TESTS SECTION
TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT)
125 EAST 11th STREET
AUSTIN, TX 78701-2483

DEPARTMENTAL MATERIAL SPECIFICATIONS

| | |
|---|---|
| FLAT SURFACE REFLECTIVE SHEETING | DMS-8300 |
| DELINEATORS AND OBJECT MARKERS | DMS-8600 |
| MODULER GLARE SCREENS | DMS-8610 |

| COLOR | USAGE | SIGN SHEETING |
|---|---|---|
| ORANGE | BACKGROUND | TYPE E (FLUORESCENT PRISMATIC) |
| WHITE | BACKGROUND | TYPE C (HIGH SPECIFIC INTENSITY) |
| BLACK | LEGEND & BORDERS | VINYL NON-REFLECTIVE SHEETING |

REFER TO THE BC SHEETS FOR SHEETING REQUIREMENT ON CHANNELIZING DEVICES.

The five categories of work duration and their time at a location shall be:

A. Long-term stationary is work that occupies a location more than 3 days.

B. Intermediate-term stationary is work that occupies a location more than one daylight period up to 3 days, or nighttime work lasting more than 1 hour.

C. Short-term stationary is daytime work that occupies a location for more than 1 hour, but less than 12 hours.

D. Short duration is work that occupies a location up to 1 hour.

E. Mobile is work that moves intermittently or continuously.

*Texas Department of Transportation*
*Traffic Operations Division*

# TRAFFIC CONTROL PLAN TYPICAL DETAILS

WZ(TD)-03

©TxDOT February 1998

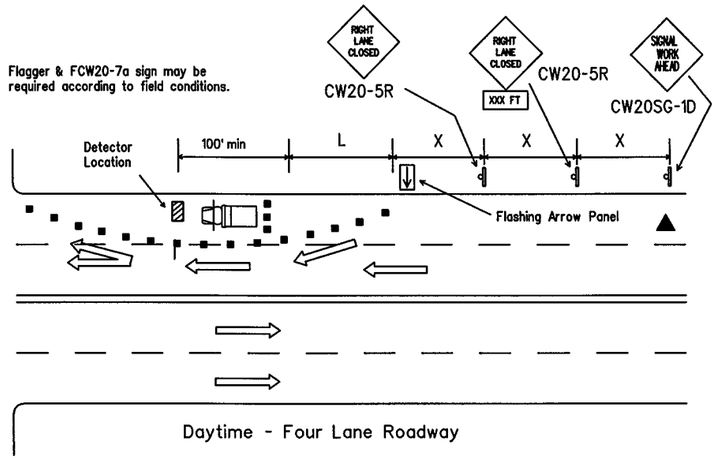
| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|

REVISIONS: 4-98, 3-03

| CONT | SECT | JOB | HIGHWAY |
|---|---|---|---|
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 645 |

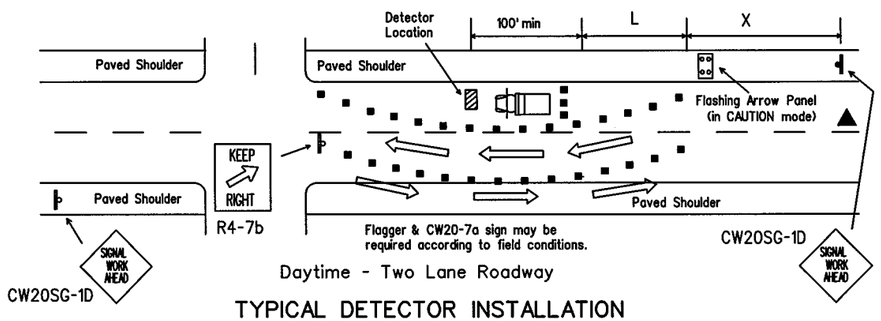
DATE:
FILE:

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.




| Posted Speed | Formula | Minimum Desirable Taper Lengths x x 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Device On a Taper | On a Tangent | Minimum Sign Spacing X Distance |
|---|---|---|---|---|---|---|---|
| 30 | $L=\frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60'-75' | 120' |
| 35 | | 205' | 225' | 245' | 35' | 70'-90' | 160' |
| 40 | | 265' | 295' | 320' | 40' | 80'-100' | 240' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90'-110' | 320' |
| 50 | | 500' | 550' | 600' | 50' | 100'-125' | 400' |
| 55 | | 550' | 605' | 660' | 55' | 110'-140' | 500' |
| 60 | | 600' | 660' | 720' | 60' | 120'-150' | 600' |
| 65 | | 650' | 715' | 780' | 65' | 130'-165' | 700' |
| 70 | | 700' | 770' | 840' | 70' | 140'-175' | 800' |
| 75 | | 750' | 825' | 900' | 75' | 150'-185' | 900' |

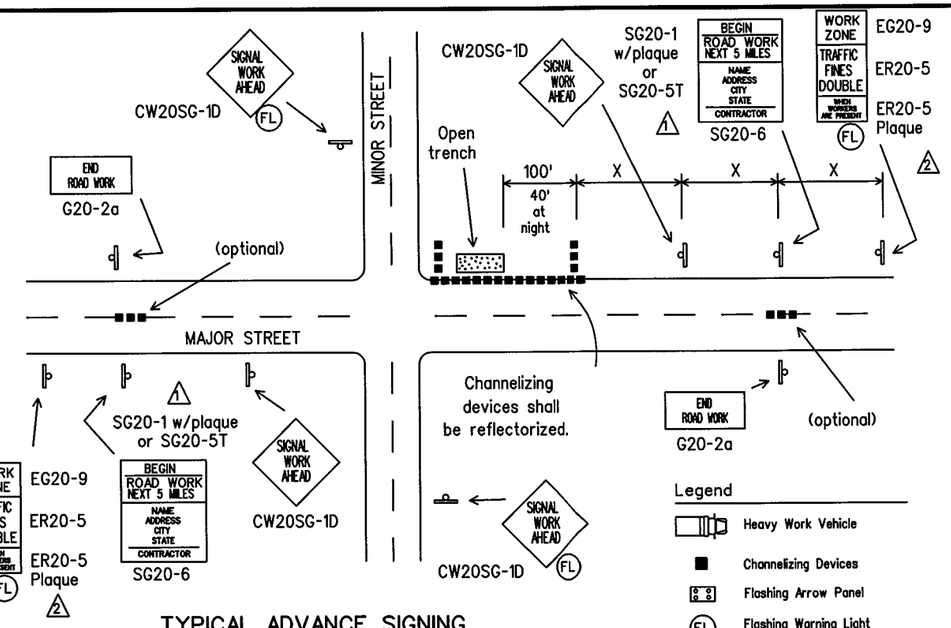
x x Taper lengths have been rounded off.
L-Length of Taper (FT.) W-Width of Offset (FT.) S-Posted Speed (MPH)




## TYPICAL DETECTOR INSTALLATION

OR OTHER WORK OPERATIONS THAT ARE SHORT TERM OR SHORT DURATION

Nighttime Channelizing Devices shall be reflectorized.



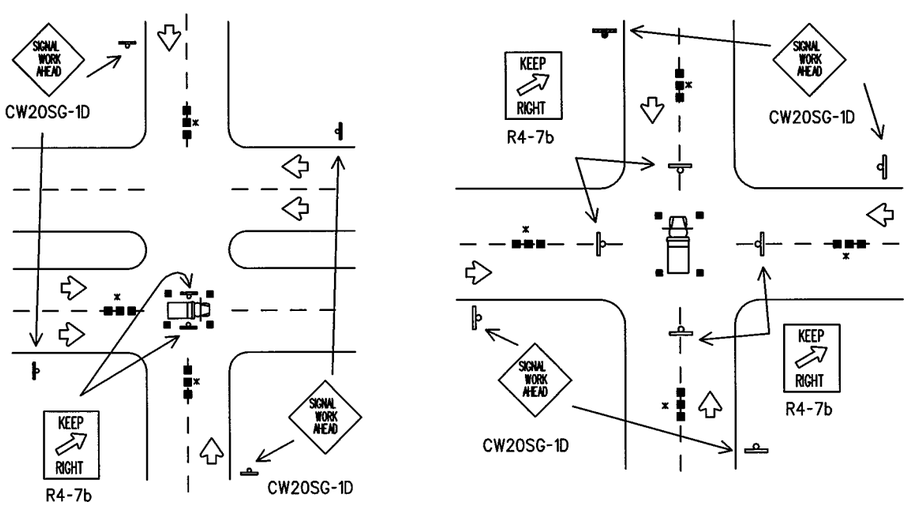

## TYPICAL ADVANCE SIGNING

FOR LONG TERM and INTERMEDIATE-TERM STATIONARY WORK OPERATIONS

Observe Warning Signs State Law (R20-3) shall be required.
See BC(2).
Location will be as directed by the Engineer.

▲ The arrow panel may be omitted when stated elsewhere in the plans.

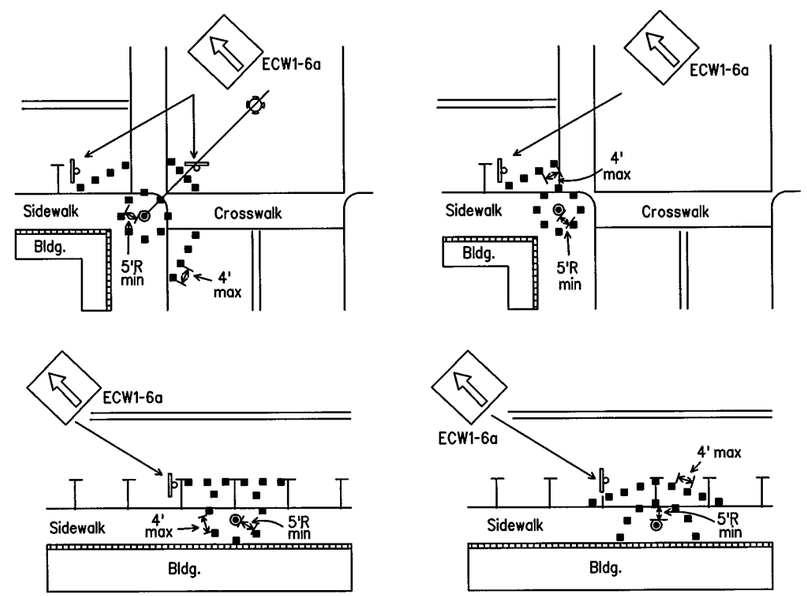
1. Typical channelizing device is the 28" cone.
2. Plastic drums or vertical panels may be used if approved by the Engineer.
3. For several closely adjoining projects, advance signing may not be required in advance of each intersection, but only in advance of the intersections at the project limits.
4. See details elsewhere in the plans for advance signing requirements.
5. Advance signs shall be in place when signal construction operations are in progress.
6. The contractor shall remove advance signs when no construction operations are underway.
7. Obstructions or hazards at the work area shall be clearly marked and delineated at all times.
8. All holes, trenches or other hazardous areas shall be adequately protected by lights or other protective devices.
9. Trenches shall be covered or surrounded with orange plastic construction fence as directed by the Engineer.
10. Flagger and FCW20-7a sign may be required according to field conditions.
11. Vehicles parked in roadway shall be equipped with two strobes.
12. High level flags at corners of vehicle may also be used.
13. Work operations that require work vehicle in traveled way 20 minutes or less may use cones, high level flags and strobes as advance warning devices.
14. Cones should only be placed around vehicle.
15. Flaggers may be used on high speed rural intersections.




## TYPICAL HANGING SIGNAL INSTALLATIONS

OR OTHER WORK OPERATIONS THAT ARE SHORT TERM OR SHORT DURATION

x Advance warning channelizing devices are optional.




Channelizing devices should not be placed closer than 5 foot radius (minimum) to signal poles.
Parking may be eliminated by placing channelizing devices in spaces.
If pedestrian walkways are blocked, refer to the Texas Manual on Uniform Traffic Control Devices (TMUTCD) Part 6.

## TYPICAL RESTRICTED PEDESTRIAN MOVEMENTS

FOR ALL WORK OPERATIONS REGARDLESS OF WORK DURATION

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC SIGNAL INSTALLATION TYPICAL DETAILS

SHEET 1 OF 2

WZ(BTS-1)-03

© TxDOT April 1992

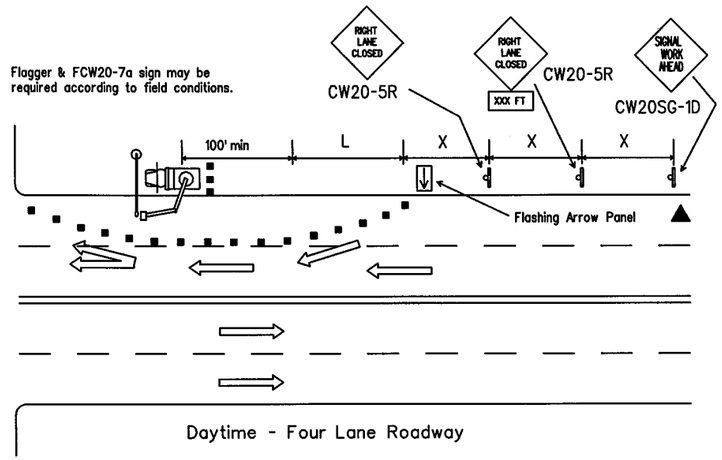
| REVISIONS | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| 2-98 | CONT | SECT | JOB | HIGHWAY |
| 4-98 | 0014 | 16 | 255, ETC. | IH 35W |
| 10-99 | DIST | | COUNTY | SHEET NO. |
| 3-03 | FTW | | TARRANT | 646 |

DATE:
FILE:

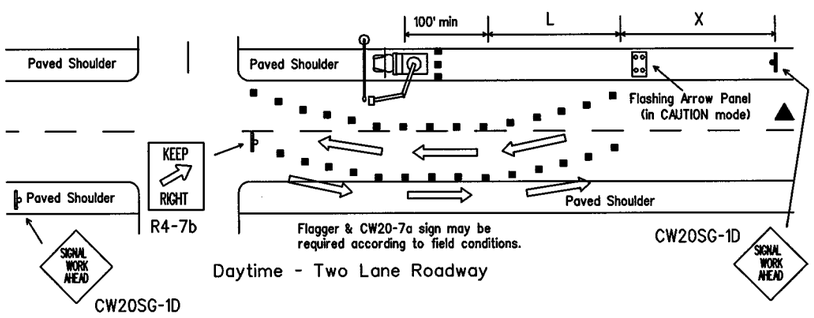
116A

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

# "ABOVE LANE" WORK PERFORMED BY BUCKET TRUCK



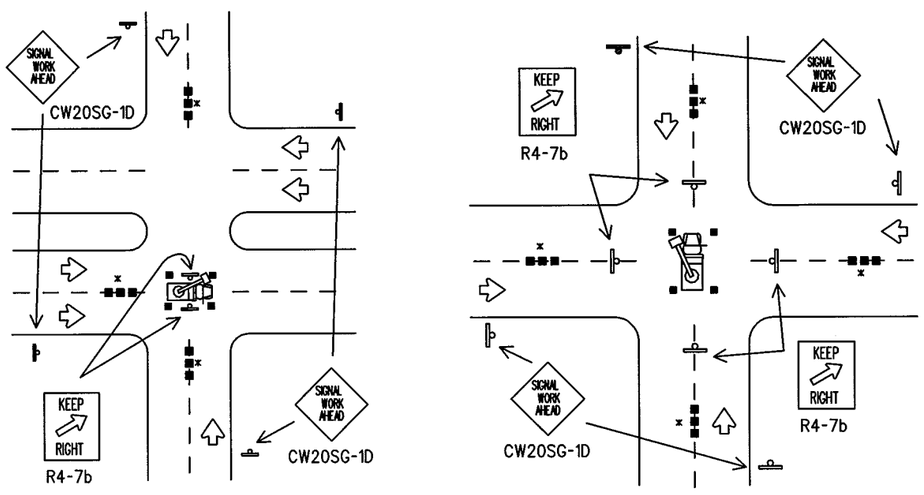

Daytime - Four Lane Roadway




Daytime - Two Lane Roadway

▲ The arrow panel may be omitted when stated elsewhere in the plans.

# "ABOVE TRUCK" WORK PERFORMED BY BUCKET TRUCK




## GENERAL NOTES FOR WORK ZONE SIGNS

1. Contractor shall install and maintain signs in a straight and plumb condition and/or as directed by the Engineer.
2. Wooden sign posts shall be painted white.
3. Barricades shall NOT be used as sign supports.
4. Nails shall NOT be used to attach signs to any support.
5. All signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and guide the traveling public safely through the work zone.
6. The Contractor may furnish either the sign design shown in the plans or in the "Standard Highway Sign Designs for Texas" (SHSD). The Engineer/Inspector may require the Contractor to furnish other work zone signs that are shown in the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) but may have been omitted from the plans. Any variation in the plans shall be documented by written agreement between the Engineer and the Contractor's Responsible Person. All changes must be documented in writing before being implemented. This can include documenting the changes in the Inspector's TxDOT diary and having both the Inspector and Contractor initial and date the agreed upon changes. The additional signs requested by the Engineer/Inspector shall not be subsidiary.
7. The Contractor shall furnish sign supports listed in the "Compliant Work Zone Traffic Control Device List" (CWZTCD). The Contractor shall install the sign support in accordance with the manufacturer's recommendations. If there is a question regarding installation procedures, the Contractor shall furnish the Engineer a copy of the manufacturer's installation recommendations so that the Engineer can verify the correct procedures are being followed.
8. The contractor is responsible for sign installations and replacing signs with damaged or cracked substrates and/or damaged or marred reflective sheeting as directed by the Engineer/Inspector.
9. Identification markings may be shown only on the back of the sign substrate. The maximum height of letters and/or company logos used for identification shall be 1".
10. The Contractor shall replace damaged wood posts. New or damaged wood sign posts shall not be spliced.

## Duration of Work (as defined by the TMUTCD Part 6)

The types of sign supports, the size of signs, and the type of sign substrates can vary based on the type of work being performed. The Engineer is responsible for selecting the appropriate size sign for the type of work being performed. The Contractor is responsible for ensuring that the sign support and substrate meets crashworthiness and length of work requirements.

a. Long-term stationary is work that occupies a location more than 3 days.
b. Intermediate-term stationary is work that occupies a location more than one daylight period up to 3 days, or nighttime work lasting more than 1 hour.
c. Short-term stationary is daytime work that occupies a location for more than 1 hour, but less than 12 hours.
d. Short duration is work that occupies a location up to 1 hour.
e. Mobile is work that moves intermittently or continuously.

## SIGN MOUNTING HEIGHT

1. The bottom of Long-term/Intermediate-term signs shall be at least 7 feet, but not more than 9 feet, above the paved surface.
2. The bottom of Short-term/Short Duration signs shall be a minimum of 1 foot above the pavement surface but no more than 2 feet above the ground.
3. Long-term/Intermediate-term Signs may be used in lieu of Short-term/Short Duration signing.
4. Short-term/Short Duration signs shall be used only during daylight and shall be removed at the end of the workday.
5. Regulatory signs shall be mounted at least 7 feet, but not more than 9 feet, above the paved surface regardless of work duration.

## REMOVING OR COVERING

1. When sign messages may be confusing or do not apply, the signs shall be removed or completely covered.
2. Long-term stationary or intermediate stationary signs installed on square metal tubing may be turned away from traffic 90 degrees when the sign message is not applicable. This type of sign support meets the crashworthiness standards regardless of the direction of impact. This technique may not be used for signs installed in the median of divided highways or near any intersections where the sign may be seen from approaching traffic.
3. Signs installed on skids shall not be turned at 90 degree angles to the roadway. These signs should be removed or completely covered when not required.
4. When signs are covered, the material used shall be opaque, such as heavy mil black plastic.
5. Burlap shall NOT be used to cover signs.
6. Duct tape or other adhesive material shall NOT be affixed to a sign face. These materials can damage the retroreflectivity of sign sheeting.
7. Signs shall be removed upon completion of the work.

## SIGN SUPPORT WEIGHTS

1. Where sign supports require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand is recommended.
2. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight.
3. Rock, concrete, iron, steel or other solid objects will not be permitted for use as sign support weights.
4. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs.
5. Sandbags shall be made of a durable material that tears upon vehicular impact.
6. Rubber (such as tire inner tubes) shall NOT be used for sandbags.
7. Rubber ballasts (such as those used with cones or edgeline channelizers) shall NOT be used as sign support weights.
8. Sandbags shall only be placed along or laid over the base supports of the traffic control device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners. Sandbags shall be placed along the length of the skids to weigh down the sign support.
9. Sandbags shall NOT be placed under the skid and shall not be used to level sign supports placed on slopes.

**Only pre-qualified products shall be used. A copy of the "Compliant Work Zone Traffic Control Devices List" (CWZTCD) describes pre-qualified products and their sources and may be obtained by contacting:**

**Standards Engineer**
**Traffic Operations Division - TE**
**Texas Department of Transportation**
**125 East 11th Street**
**Austin, Texas 78701-2483**
**Phone (512) 416-3120**
**Fax (512) 416-3299**

**Instructions to locate the "CWZTCD" on TxDOT website are:**

**Start at website - www.dot.state.tx.us**
**Click on "About TxDOT",**
**Click on "Organizational Chart",**
**Click on Traffic Operations Box,**
**Click on "Compliant Work Zone Traffic Control Devices",**
**Click on "View PDF".**
**This site is printable.**

DEPARTMENTAL MATERIAL SPECIFICATIONS

| | |
|---|---|
| PLYWOOD SIGN BLANKS | DMS-7100 |
| ALUMINUM SIGN BLANKS | DMS-7110 |
| FLAT SURFACE REFLECTIVE SHEETING | DMS-8300 |
| FLEXIBLE ROLL-UP REFLECTIVE SIGNS | DMS-8310 |
| VINYL NON-REFLECTIVE SHEETING | DMS-8320 |

| COLOR | USAGE | SHEETING MATERIAL |
|---|---|---|
| ORANGE | BACKGROUND | TYPE E (FLUORESCENT PRISMATIC) |
| WHITE | BACKGROUND | TYPE C (HIGH SPECIFIC INTENSITY) |
| WHITE | LEGEND & BORDERS | TYPE C (HIGH SPECIFIC INTENSITY) |
| BLACK | LEGEND & BORDERS | VINYL NON-REFLECTIVE SHEETING |

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC SIGNAL INSTALLATION BARRICADES AND SIGNS

SHEET 2 OF 2 — WZ(BTS-2)-03

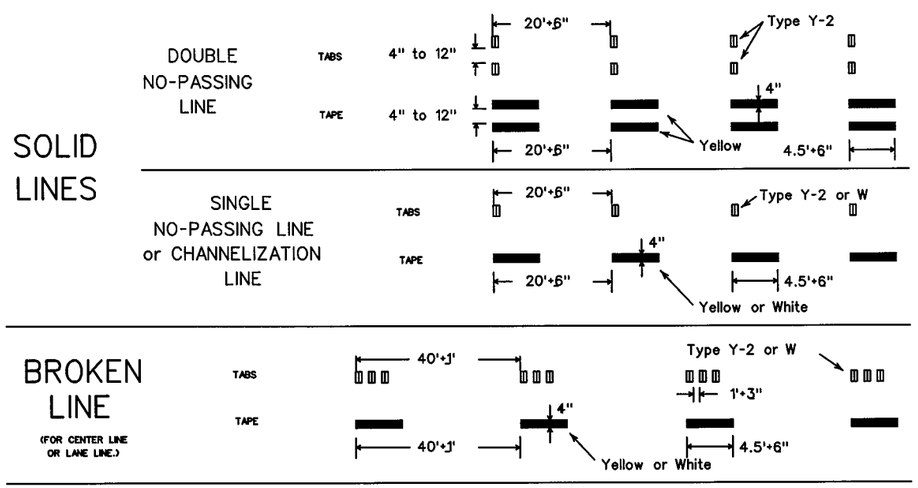
©TxDOT April 1992

| REVISIONS | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| 2-98 | CONT | SECT | JOB | HIGHWAY |
| 4-98 | 0014 | 16 | 255, ETC. | IH 35W |
| 10-99 | DIST | | COUNTY | SHEET NO. |
| 3-03 | FTW | | TARRANT | 647 |

116B

DATE:
FILE:

# WORK ZONE SHORT TERM PAVEMENT MARKINGS DETAILS




**NOTES:**

1. Short term pavement markings may be prefabricated markings (stick down tape) or temporary flexible-reflective roadway marker tabs unless otherwise specified elsewhere in plans.
2. Short term pavement markings shall NOT be used to simulate edge lines.
3. Dimensions indicated on this sheet are typical and approximate. Variations in size and height may occur between markers or devices made by manufacturers, by as much as 1/4 inch, unless otherwise noted.
4. Temporary flexible-reflective roadway marker tabs will require normal maintenance replacement when used on roadways with an ADT per lane of up to 7500 vehicles with no more than 10% truck mix. When roadways exceed these values, additional maintenance replacement of devices should be planned.
5. No segment of roadway open to traffic shall remain without permanent pavement markings for a period greater than 14 calendar days. The Contractor will be responsible for maintaining short term pavement markings until permanent pavement markings are in place. When the Contractor is responsible for placement of permanent pavement markings, no segment of roadway shall remain without permanent pavement markings for a period greater than 14 calendar days unless weather conditions prohibit placement. Permanent pavement markings shall be placed as soon as weather permits.
6. For two lane, two-way roadways, DO NOT PASS signs shall be erected to mark the beginning of sections where passing is prohibited and PASS WITH CARE signs shall be erected to mark the beginning of sections where passing is permitted. Signs shall be in accordance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) and may be used to indicate the limits of no-passing zones for up to 14 calendar days. Permanent pavement markings should then be placed.
7. For low volume two lane, two-way roadways of 4000 ADT or less, no-passing lines may be omitted when approved by the Engineer. DO NOT PASS and PASS WITH CARE signs shall be erected (see note 6).

**TEMPORARY FLEXIBLE-REFLECTIVE ROADWAY MARKER TABS (TABS)**

1. Temporary flexible-reflective roadway marker tabs detailed on this sheet will be designated Type Y-2 (two amber reflective surfaces with yellow body); Type Y (one amber reflective surface with yellow body); and Type W (one white or silver reflective surface with white body). Additional details may be found on BC(10).
2. Tabs shall meet requirements of Departmental Material Specification DMS-8242.
3. When dry, tabs shall be visible for a minimum distance of 200 feet during normal daylight hours and when illuminated by automobile low-beam head light at night, unless sight distance is restricted by roadway geometrics.
4. No two consecutive tabs nor four tabs per 1000 feet of line shall be missing or fail to meet the visual performance requirements of Note 3.

**REMOVABLE - PREFABRICATED PAVEMENT MARKINGS**

1. Removable prefabricated pavement markings shall meet the requirements of DMS-8241. A list of prequalified products can be found at the following web site:
   ftp://ftp.dot.state.tx.us/pub/txdot-info/gsd/pdf/pavemark.pdf

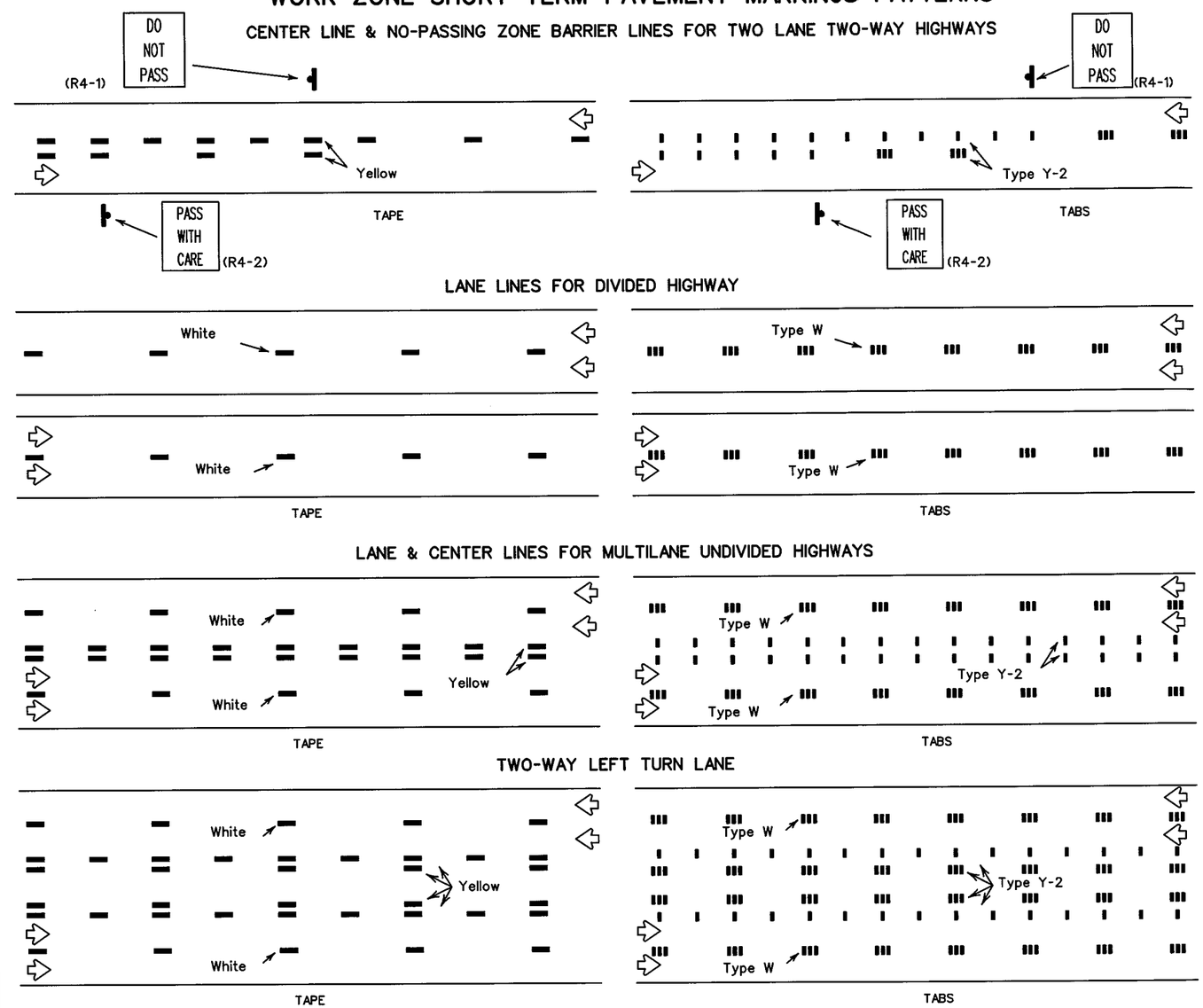
**NON REMOVABLE - PREFABRICATED PAVEMENT MARKINGS**

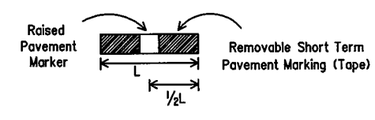
1. Non-removable prefabricated pavement markings (foil back) shall meet the requirements of DMS-8240 or the TXDOT Purchase Specification No. 550-74-89. A list of prequalified products and a copy of the TXDOT Purchase Specifications can be found at web sites:
   ftp://ftp.dot.state.tx.us/pub/txdot-info/gsd/pdf/pavement.pdf
   ftp://ftp.dot.state.tx.us/pub/txdot-info/gsd/pdf/tss/tss377.pdf

**RAISED PAVEMENT MARKERS**

1. All raised pavement markers used for work zone markings shall meet the requirements of Item 672, "RAISED PAVEMENT MARKERS" and Departmental Material Specification DMS-4200.
2. A list of prequalified reflective raised pavement markers can be found at the following web site:
   ftp://ftp.dot.state.tx.us/pub/txdot-info/gsd/pdf/dms4200preq.pdf

# WORK ZONE SHORT TERM PAVEMENT MARKINGS PATTERNS




If raised pavement markers are used to supplement REMOVABLE short term markings, the markers shall be applied to the top of the tape at the approximate mid length of the tape. This allows an easier removal of raised markers and tape.

DEPARTMENT MATERIAL SPECIFICATIONS

| | |
|---|---|
| PREFABRICATED PAVEMENT MARKINGS-PERMANENT | DMS-8240 |
| PREFABRICATED PAVEMENT MARKINGS-REMOVABLE | DMS-8241 |
| TEMPORARY FLEXIBLE-REFLECTIVE ROADWAY MARKER TABS | DMS-8242 |
| PAVEMENT MARKERS (REFLECTORIZED) | DMS-4200 |

Texas Department of Transportation
Traffic Operations Division

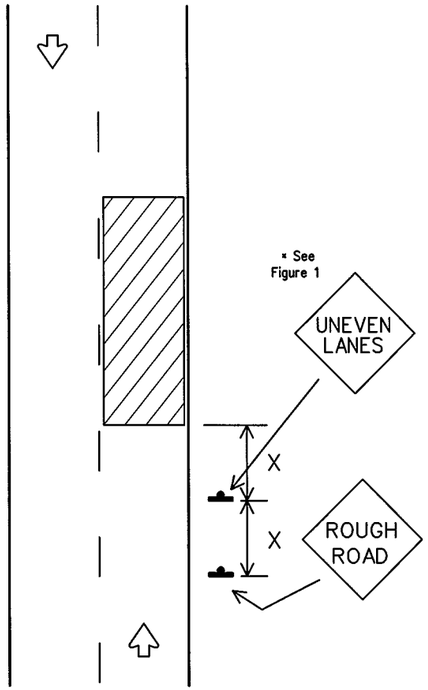
## WORK ZONE SHORT TERM PAVEMENT MARKINGS

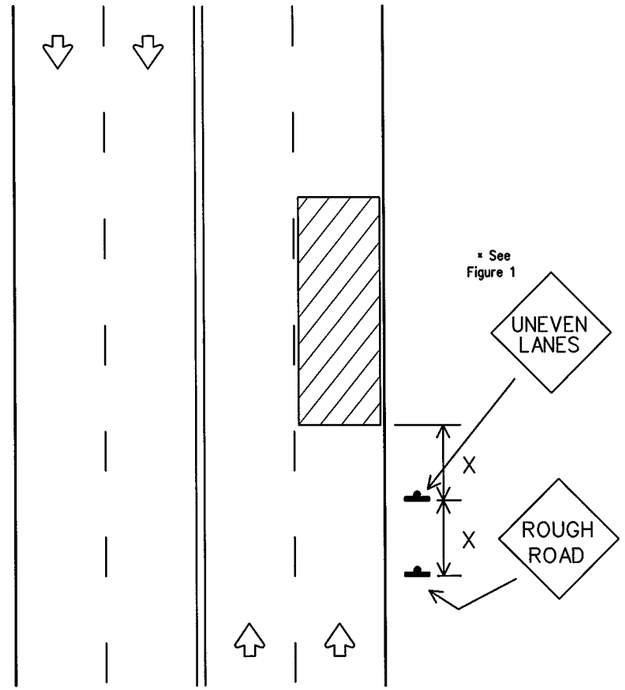
WZ(STPM)-03

| ©TxDOT April 1992 | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| REVISIONS | CONT | SECT | JOB | HIGHWAY |
| 1-97 | 0014 | 16 | 255, ETC. | IH 35W |
| 3-03 | DIST | | COUNTY | SHEET NO. |
| | FTW | | TARRANT | 648 |

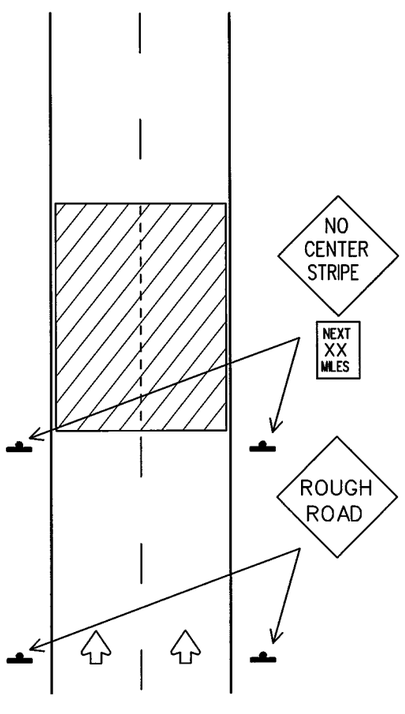
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

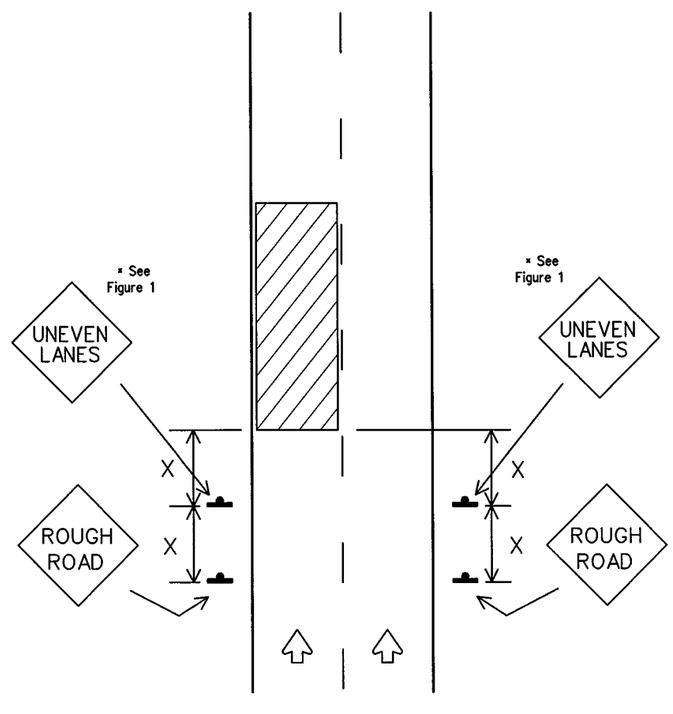
DATE:
FILE:




Signing shown for one direction.




"X" distance - See Note 4 on this page.

| DEPARTMENTAL MATERIAL SPECIFICATIONS | |
|---|---|
| PLYWOOD SIGN BLANKS | DMS-7100 |
| ALUMINUM SIGN BLANKS | DMS-7110 |
| SIGN HARDWARE | DMS-7120 |
| PREFABRICATED PAVEMENT MARKINGS-PERMANENT | DMS-8240 |
| PREFABRICATED PAVEMENT MARKINGS-REMOVABLE | DMS-8241 |
| FLAT SURFACE REFLECTIVE SHEETING | DMS-8300 |
| VINYL NON-REFLECTIVE DECAL SHEETING | DMS-8320 |

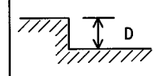
| COLOR | USAGE | SHEETING MATERIAL |
|---|---|---|
| ORANGE | BACKGROUND | TYPE E (FLUORESCENT PRISMATIC) |
| BLACK | LEGEND & BORDERS | VINYL NON-REFLECTIVE DECAL SHEETING |

GENERAL NOTES:

1. If spalling or holes occur, ROUGH ROAD signs should be placed in advance of the condition and may be repeated throughout the project.
2. UNEVEN LANES sign (CW8-11) should be installed in advance of the condition and repeated every mile. Signs installed along the uneven lane condition may be supplemented with the NEXT XX MILES sign (CW21-16) or Advisory Speed sign (CW13-1).
3. NO CENTER STRIPE signs (CW8-12) should be installed if centerlines or lane lines are obscured or obliterated. The signs should remain in place until permanent pavement markings are installed.
4. Signs shall be spaced at the distances recommended as per BC standards.
5. When operations are completed and final surface treatment will not be applied as part of this project, advance signs shall be left in place and become the property of the State. These signs shall be installed on approved permanent sign supports as per TxDOT standards. Additional signs may be required as directed by the Engineer. Minimum mounting height of signs is 7 feet. Signs shall remain in place until final surface is applied. Signs shall be considered subsidiary to the Item "BARRICADES, SIGNS AND TRAFFIC HANDLING."
6. Pavement markings shall be replaced as operations proceed.
7. Short term markings shall not be used to simulate edge lines.
8. All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition. Sign details not shown in this manual shall be shown in the plans or the Engineer shall provide a detail to the Contractor before the sign is manufactured.

**TRAFFIC CONTROL DURING PLANING, OVERLAY AND LEVELING OPERATIONS ARE SHOWN ELSEWHERE IN THE PLANS.**

FIGURE 1

| Edge Condition | Edge Height (D) | Warning Devices |
|---|---|---|
|  | less than or equal to 1"<br>greater than 1" to:<br>1/4" (maximum-planing)<br>1/2" (typical-overlay) | Signs: ECW8-8<br>Signs: CW8-11, ECW8-8 |

Distance "D" may be a maximum of 1/4" for planing operations and 2" for overlay operations if uneven lanes are open to traffic after work operations cease.

Texas Department of Transportation
Traffic Operations Division

# SIGNING FOR UNEVEN LANES

WZ(UL)-03

©TxDOT April 1992

| REVISIONS | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| 8-95 | CONT | SECT | JOB | HIGHWAY |
| 1-97 | 0014 | 16 | 255, ETC. | IH 35W |
| 2-98 | DIST | | COUNTY | SHEET NO. |
| 3-03 | | | TARRANT | 649 |

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE:
FILE:

INTENTIALLY LEFT BLANK

DRAWING DATE: 7/29/2012 FILENAME: wzbrk.dgn

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

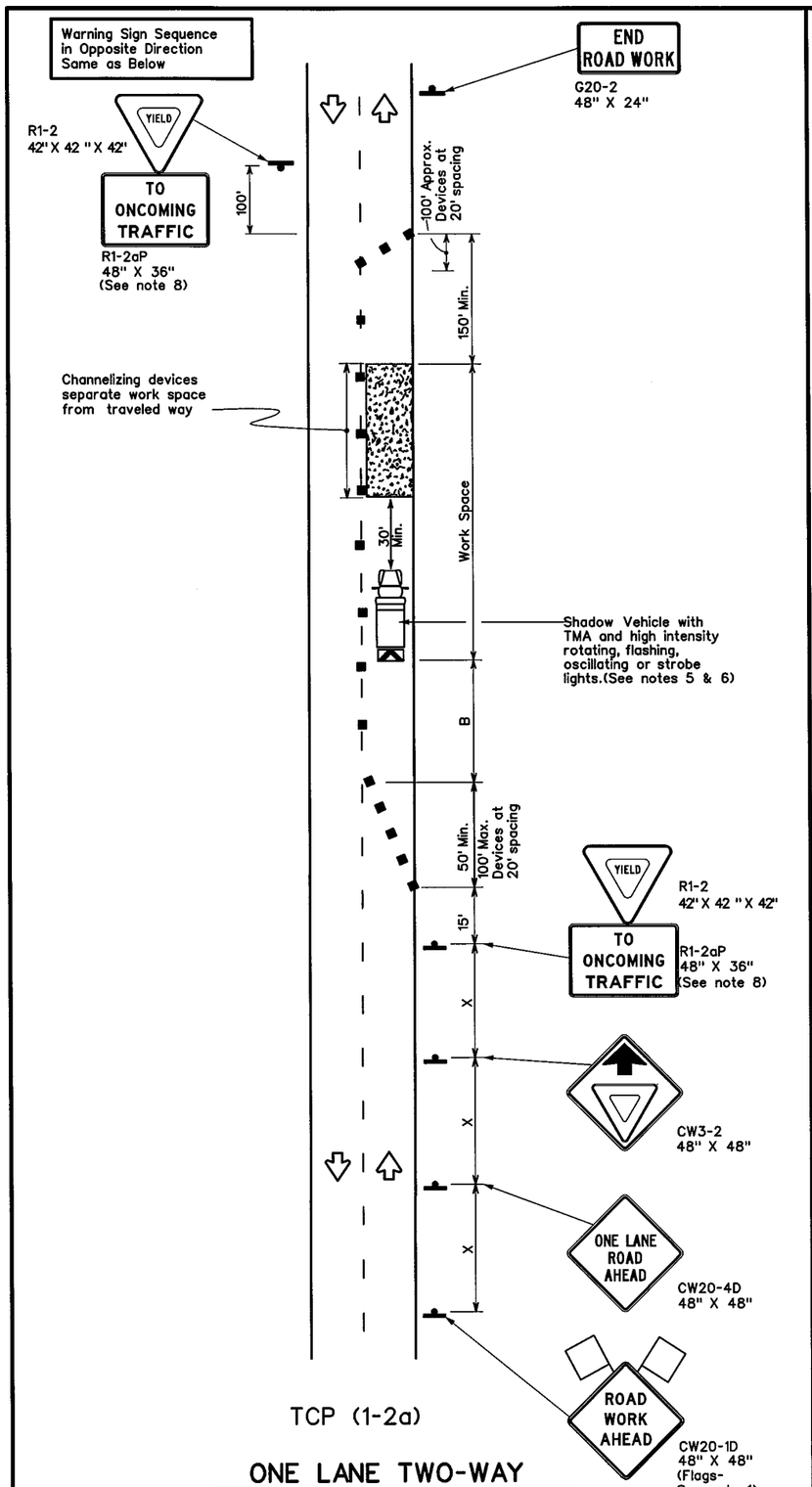
IH 35W FROM NORTH TARRANT PKWY TO IH 820

**OMITTED**

SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | 650 |
| CHECK | CONTROL | SECTION | JOB | |
| | 0014 | 16 | 255, ETC. | |

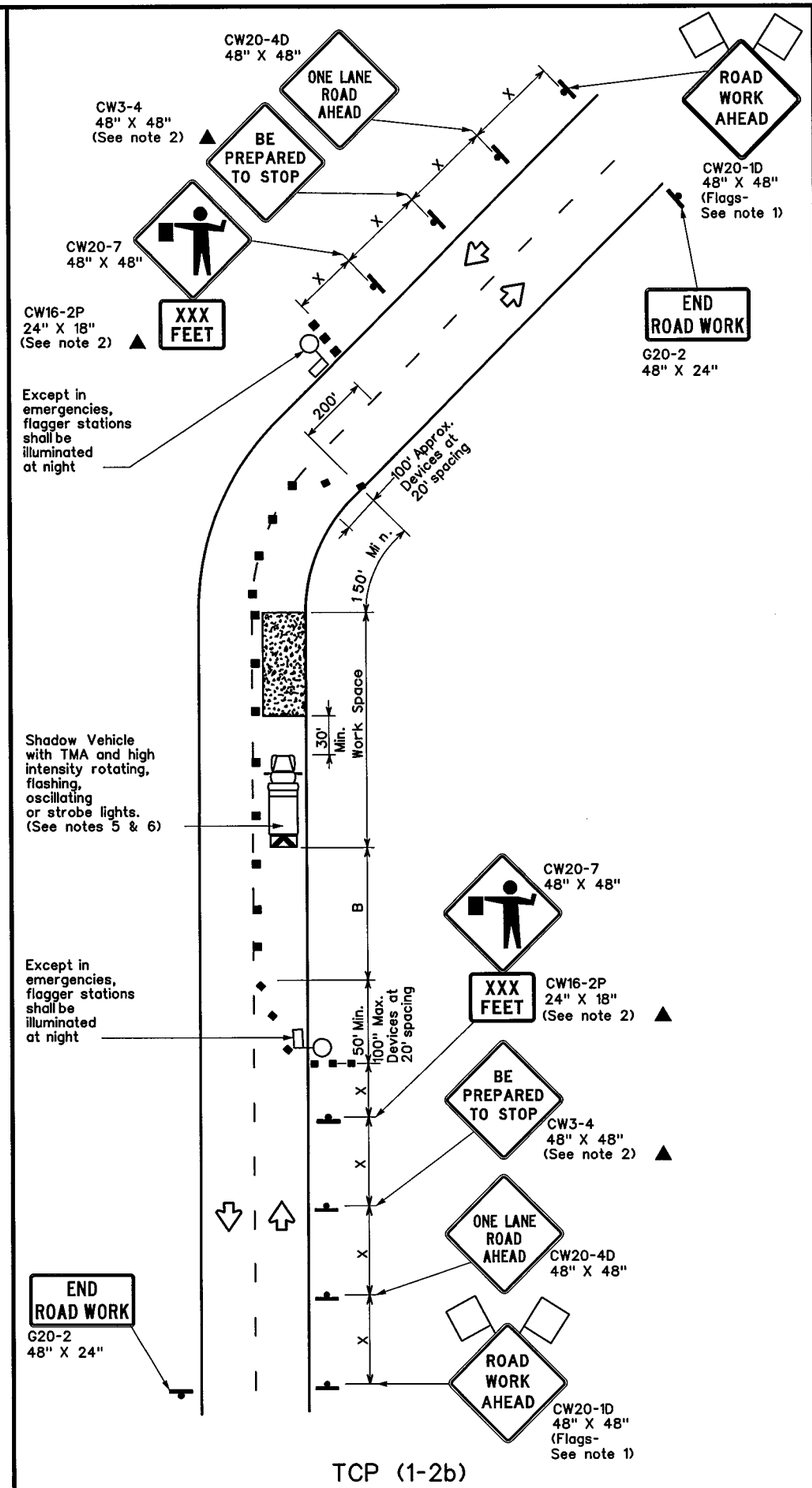
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.




TCP (1-2a)

## ONE LANE TWO-WAY CONTROL WITH YIELD SIGNS

(Less than 2000 ADT - See note 7)




TCP (1-2b)

## ONE LANE TWO-WAY CONTROL WITH FLAGGERS

### LEGEND

| | | | |
|---|---|---|---|
| | Type 3 Barricade | | Channelizing Devices |
| | Heavy Work Vehicle | | Truck Mounted Attenuator (TMA) |
| | Trailer Mounted Flashing Arrow Board | | Portable Changeable Message Sign (PCMS) |
| | Sign | | Traffic Flow |
| | Flag | | Flagger |

| Posted Speed * | Formula | Minimum Desirable Taper Lengths ** 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Channelizing Devices On a Taper | On a Tangent | Minimum Sign Spacing "X" Distance | Suggested Longitudinal Buffer Space "B" | Stopping Sight Distance |
|---|---|---|---|---|---|---|---|---|---|
| 30 | $L=\frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60' | 120' | 90' | 200' |
| 35 | | 205' | 225' | 245' | 35' | 70' | 160' | 120' | 250' |
| 40 | | 265' | 295' | 320' | 40' | 80' | 240' | 155' | 305' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90' | 320' | 195' | 360' |
| 50 | | 500' | 550' | 600' | 50' | 100' | 400' | 240' | 425' |
| 55 | | 550' | 605' | 660' | 55' | 110' | 500' | 295' | 495' |
| 60 | | 600' | 660' | 720' | 60' | 120' | 600' | 350' | 570' |
| 65 | | 650' | 715' | 780' | 65' | 130' | 700' | 410' | 645' |
| 70 | | 700' | 770' | 840' | 70' | 140' | 800' | 475' | 730' |
| 75 | | 750' | 825' | 900' | 75' | 150' | 900' | 540' | 820' |

* Conventional Roads Only

** Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

### TYPICAL USAGE

| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
|---|---|---|---|---|
| | ✓ | ✓ | | |

## GENERAL NOTES

1. Flags attached to signs where shown are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
3. The CW3-4 "BE PREPARED TO STOP" sign may be installed after the CW20-4D "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
4. Sign spacing may be increased or an additional CW20-1D "ROAD WORK AHEAD" sign may be used if advance warning ahead of the flagger or R1-2 "YIELD" sign is less than 1500 feet.
5. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
6. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

### TCP (1-2a)

7. R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work spaces should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work spaces should be no longer than 400 feet.
8. R1-2 "YIELD" sign with R1-2aP "TO ONCOMING TRAFFIC" plaque shall be placed on a support at a 7 foot minimum mounting height.

### TCP (1-2b)

9. Flaggers should use two-way radios or other methods of communication to control traffic.
10. Length of work space should be based on the ability of flaggers to communicate.
11. If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).
12. Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
13. Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN ONE-LANE TWO-WAY TRAFFIC CONTROL

TCP(1-2)-12

©TxDOT December 1985

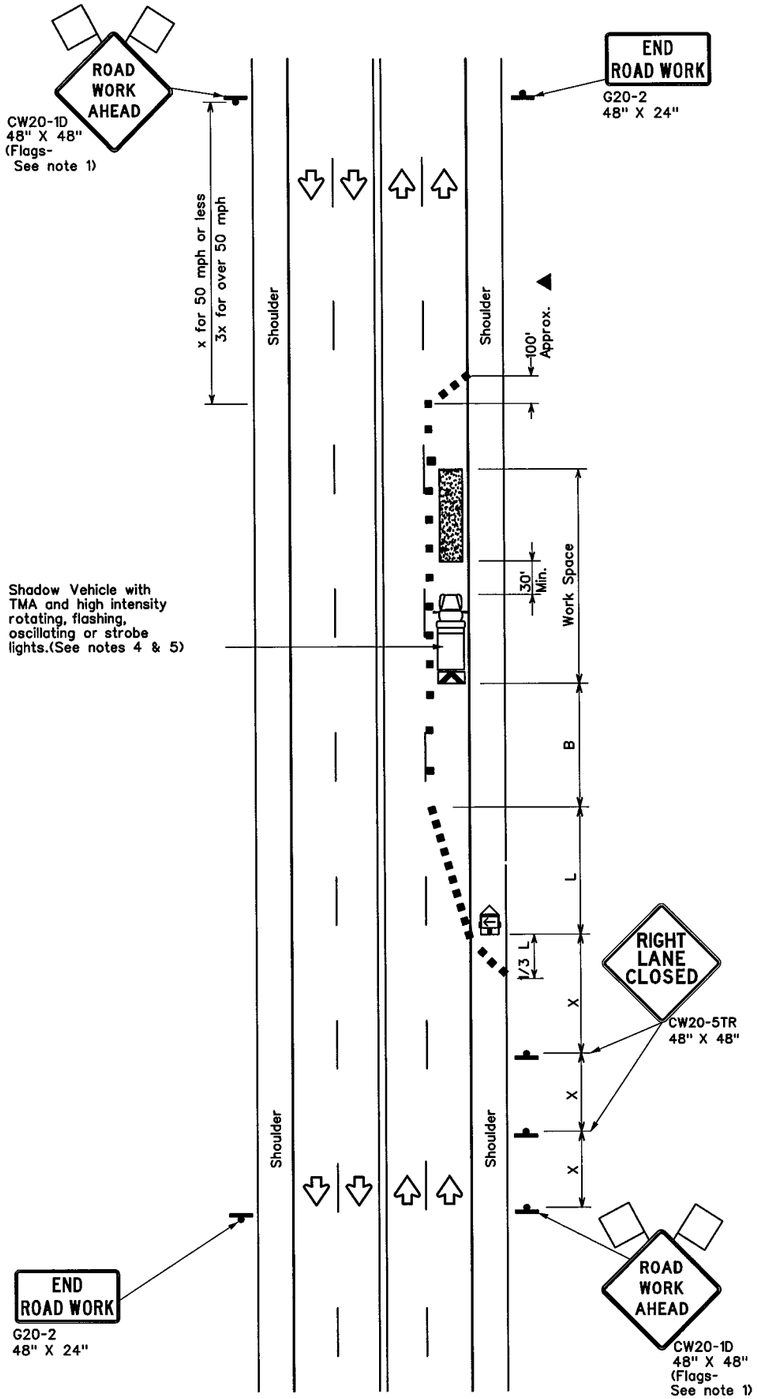
| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|

REVISIONS
4-90 2-12
2-94
1-97
4-98

| CONT | SECT | JOB | HIGHWAY |
|---|---|---|---|
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 651 |

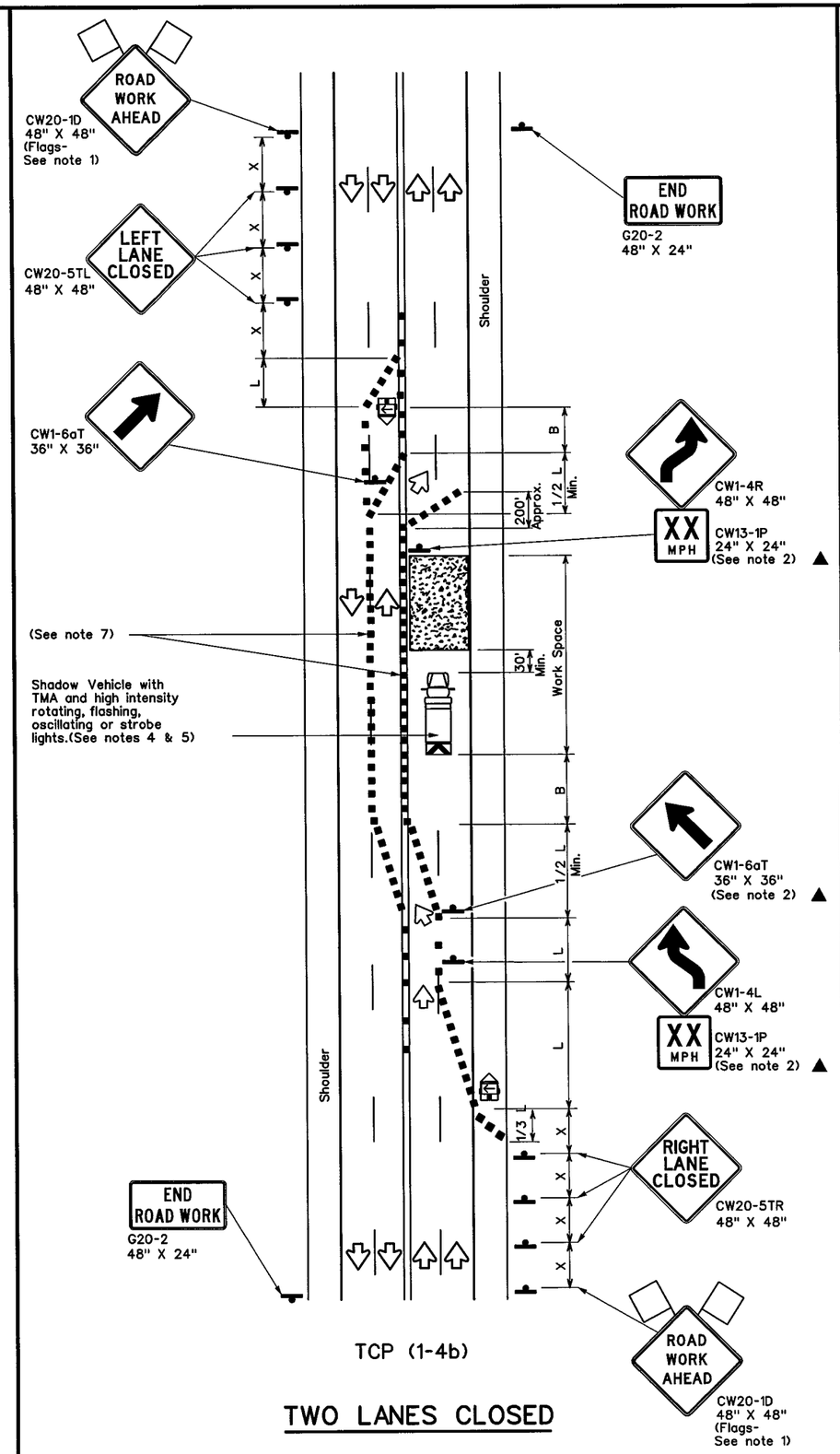
DATE:
FILE:

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.




TCP (1-4a)

## ONE LANE CLOSED




TCP (1-4b)

## TWO LANES CLOSED

| LEGEND | | | |
|---|---|---|---|
| | Type 3 Barricade | | Channelizing Devices |
| | Heavy Work Vehicle | | Truck Mounted Attenuator (TMA) |
| | Trailer Mounted Flashing Arrow Board | | Portable Changeable Message Sign (PCMS) |
| | Sign | | Traffic Flow |
| | Flag | | Flagger |

| Posted Speed * | Formula | Minimum Desirable Taper Lengths ** 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Channelizing Devices On a Taper | On a Tangent | Minimum Sign Spacing "X" Distance | Suggested Longitudinal Buffer Space "B" |
|---|---|---|---|---|---|---|---|---|
| 30 | $L = \frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60' | 120' | 90' |
| 35 | | 205' | 225' | 245' | 35' | 70' | 160' | 120' |
| 40 | | 265' | 295' | 320' | 40' | 80' | 240' | 155' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90' | 320' | 195' |
| 50 | | 500' | 550' | 600' | 50' | 100' | 400' | 240' |
| 55 | | 550' | 605' | 660' | 55' | 110' | 500' | 295' |
| 60 | | 600' | 660' | 720' | 60' | 120' | 600' | 350' |
| 65 | | 650' | 715' | 780' | 65' | 130' | 700' | 410' |
| 70 | | 700' | 770' | 840' | 70' | 140' | 800' | 475' |
| 75 | | 750' | 825' | 900' | 75' | 150' | 900' | 540' |

* Conventional Roads Only
** Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

| TYPICAL USAGE | | | | |
|---|---|---|---|---|
| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
| | ✓ | ✓ | | |

## GENERAL NOTES

1. Flags attached to signs where shown are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
3. The CW20-1D "ROAD WORK AHEAD" sign may be repeated if the visibility of the work zone is less than 1500 feet.
4. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
5. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

### TCP (1-4a)

6. If this TCP is used for a left lane closure, CW20-5TL "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline where needed to protect the work space from opposing traffic with the arrow panel placed in the closed lane near the end of the merging taper.

### TCP (1-4b)

7. Where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' if posted speeds are 35 mph or slower, and for tangent sections, at 1/2S where S is the speed in mph. This tighter device spacing is intended for the areas of conflicting markings, not the entire work zone.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN LANE CLOSURES ON MULTILANE CONVENTIONAL ROADS

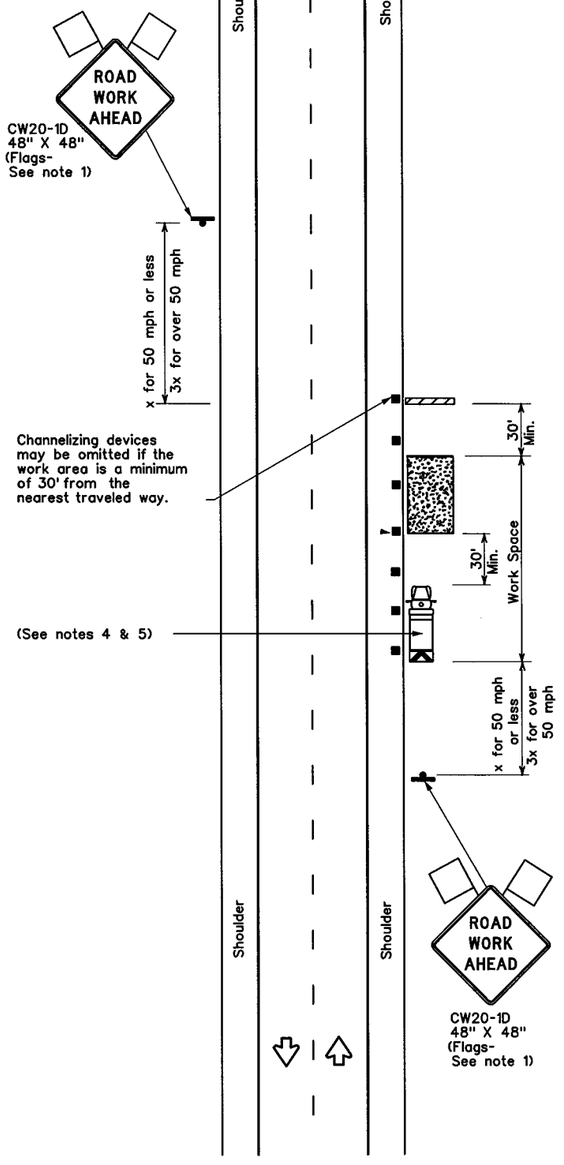
## TCP(1-4)-12

©TxDOT December 1985

| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| REVISIONS | CONT | SECT | JOB | HIGHWAY |
| 2-94 2-12 | 0014 | 16 | 255, ETC. | IH 35W |
| 8-95 | DIST | COUNTY | SHEET NO. |
| 1-97 | FTW | TARRANT | 652 |
| 4-98 | | | |

DATE:
FILE:

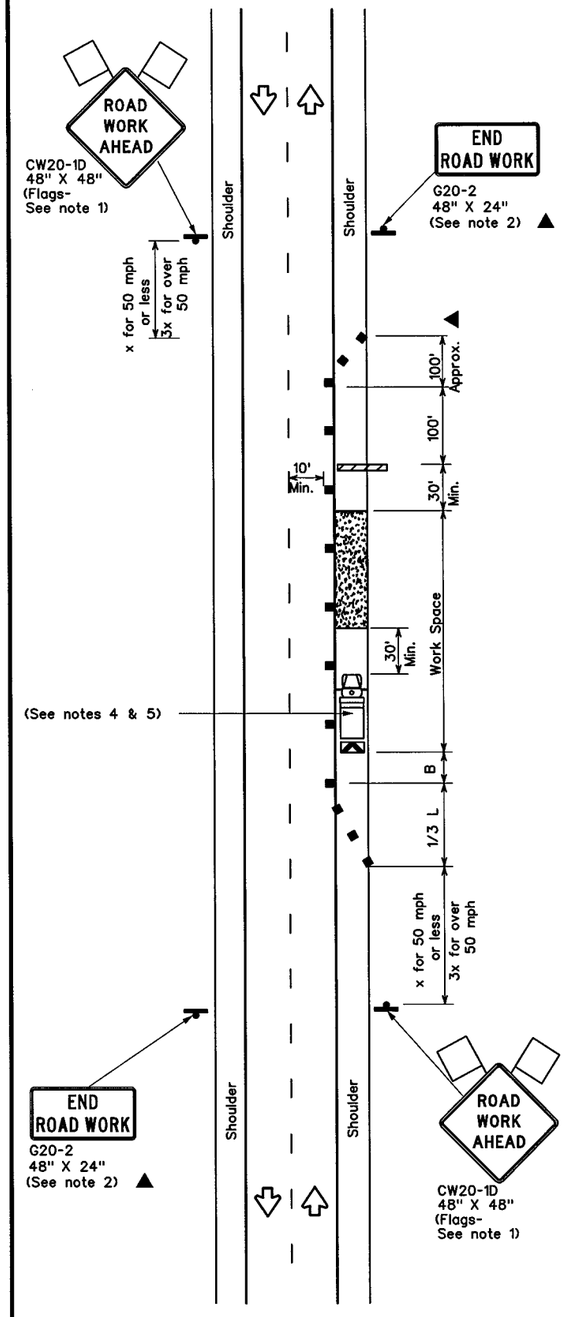
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.




TCP (2-1a)

## WORK SPACE NEAR SHOULDER

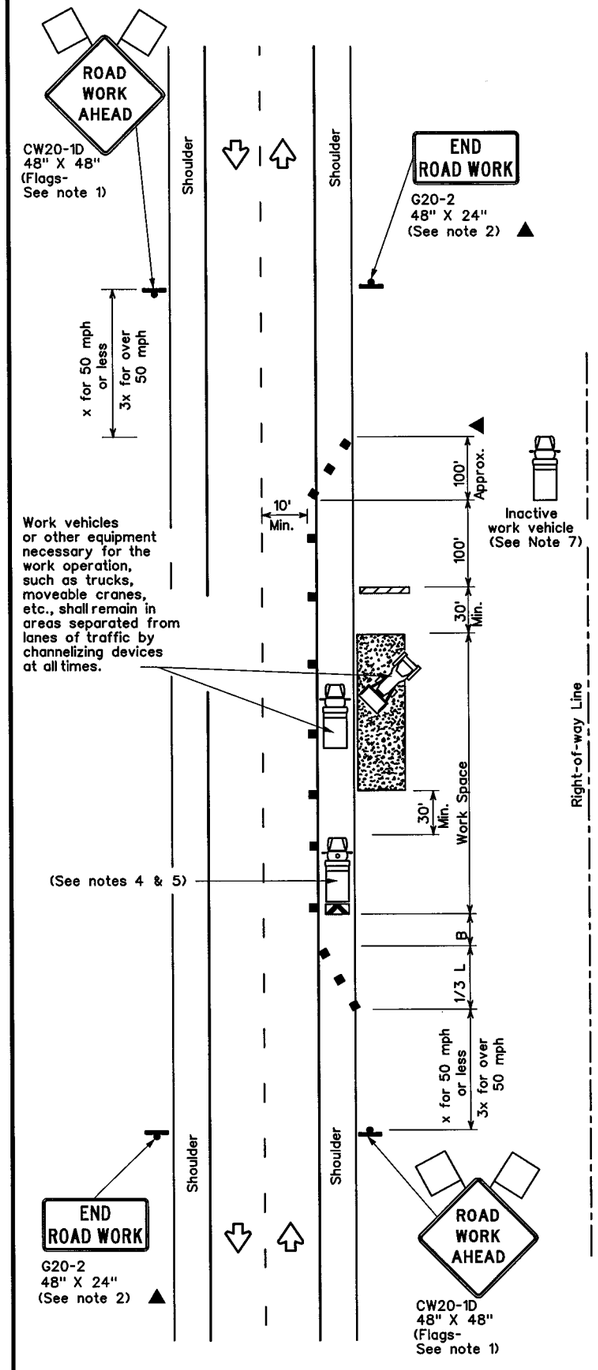
Conventional Roads




TCP (2-1b)

## WORK SPACE ON SHOULDER

Conventional Roads




TCP (2-1c)

## WORK VEHICLES ON SHOULDER

Conventional Roads

### LEGEND

| | | | |
|---|---|---|---|
| | Type 3 Barricade | | Channelizing Devices |
| | Heavy Work Vehicle | | Truck Mounted Attenuator (TMA) |
| | Trailer Mounted Flashing Arrow Board | M | Portable Changeable Message Sign (PCMS) |
| | Sign | | Traffic Flow |
| | Flag | | Flagger |

| Posted Speed * | Formula | Minimum Desirable Taper Lengths ** 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Channelizing Devices On a Taper | On a Tangent | Minimum Sign Spacing "X" Distance | Suggested Longitudinal Buffer Space "B" |
|---|---|---|---|---|---|---|---|---|
| 30 | $L=\frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60' | 120' | 90' |
| 35 | | 205' | 225' | 245' | 35' | 70' | 160' | 120' |
| 40 | | 265' | 295' | 320' | 40' | 80' | 240' | 155' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90' | 320' | 195' |
| 50 | | 500' | 550' | 600' | 50' | 100' | 400' | 240' |
| 55 | | 550' | 605' | 660' | 55' | 110' | 500' | 295' |
| 60 | | 600' | 660' | 720' | 60' | 120' | 600' | 350' |
| 65 | | 650' | 715' | 780' | 65' | 130' | 700' | 410' |
| 70 | | 700' | 770' | 840' | 70' | 140' | 800' | 475' |
| 75 | | 750' | 825' | 900' | 75' | 150' | 900' | 540' |

* Conventional Roads Only

** Taper lengths have been rounded off.

L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

### TYPICAL USAGE

| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
|---|---|---|---|---|
| | ✓ | ✓ | ✓ | ✓ |

## GENERAL NOTES

1. Flags attached to signs where shown, are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated in the plans, or for routine maintenance work, when approved by the Engineer.
3. Stockpiled material should be placed a minimum of 30 feet from nearest traveled way.
4. Shadow Vehicle with TMA and high intensity rotating, flashing, oscillating or strobe lights. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
5. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect a wider work space.
6. See TCP(5-1) for shoulder work on divided highways, expressways and freeways.
7. Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
8. CW21-5 "SHOULDER WORK" signs may be used in place of CW21-1D "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN CONVENTIONAL ROAD SHOULDER WORK

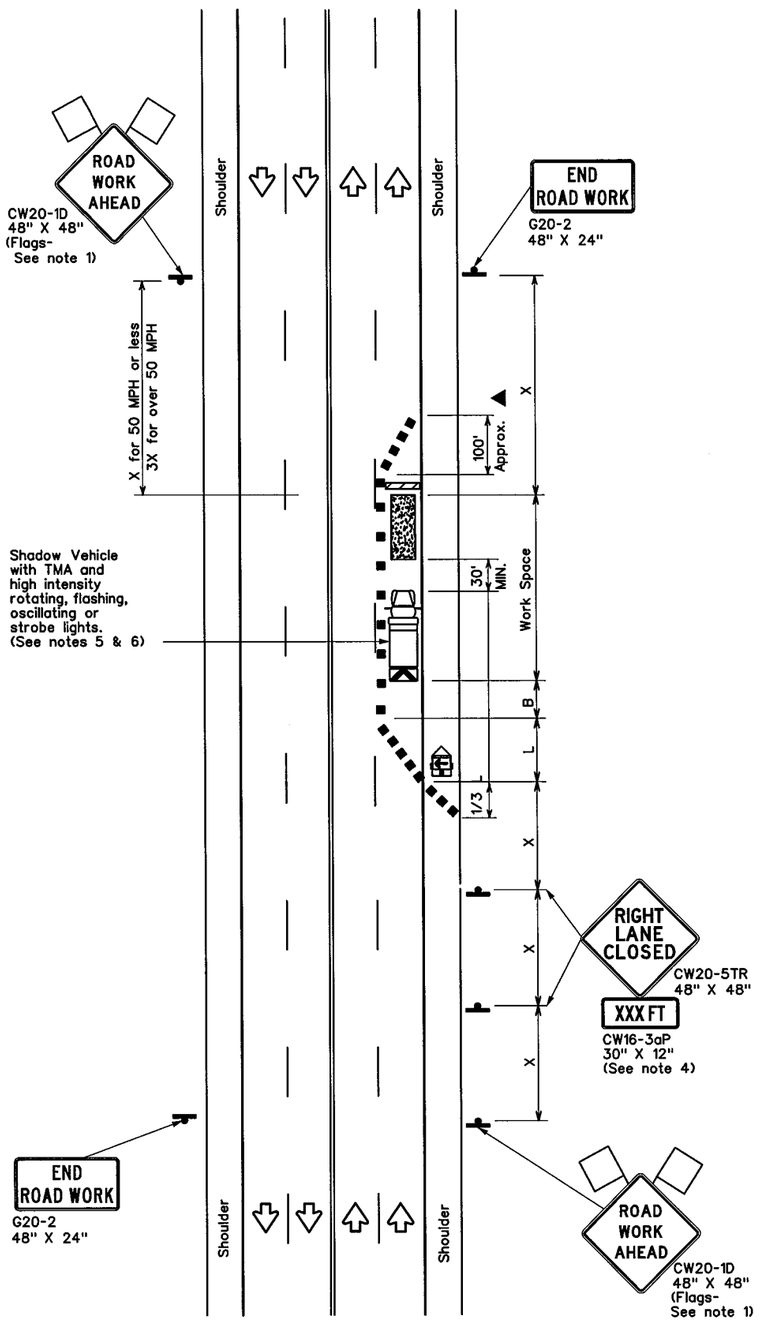
TCP(2-1)-12

©TxDOT December 1985

| REVISIONS | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| 2-94 2-12 | CONT | SECT | JOB | HIGHWAY |
| 8-95 | 0014 | 16 | 255, ETC. | IH 35W |
| 1-97 | DIST | | COUNTY | SHEET NO. |
| 4-98 | FTW | | TARRANT | 653 |

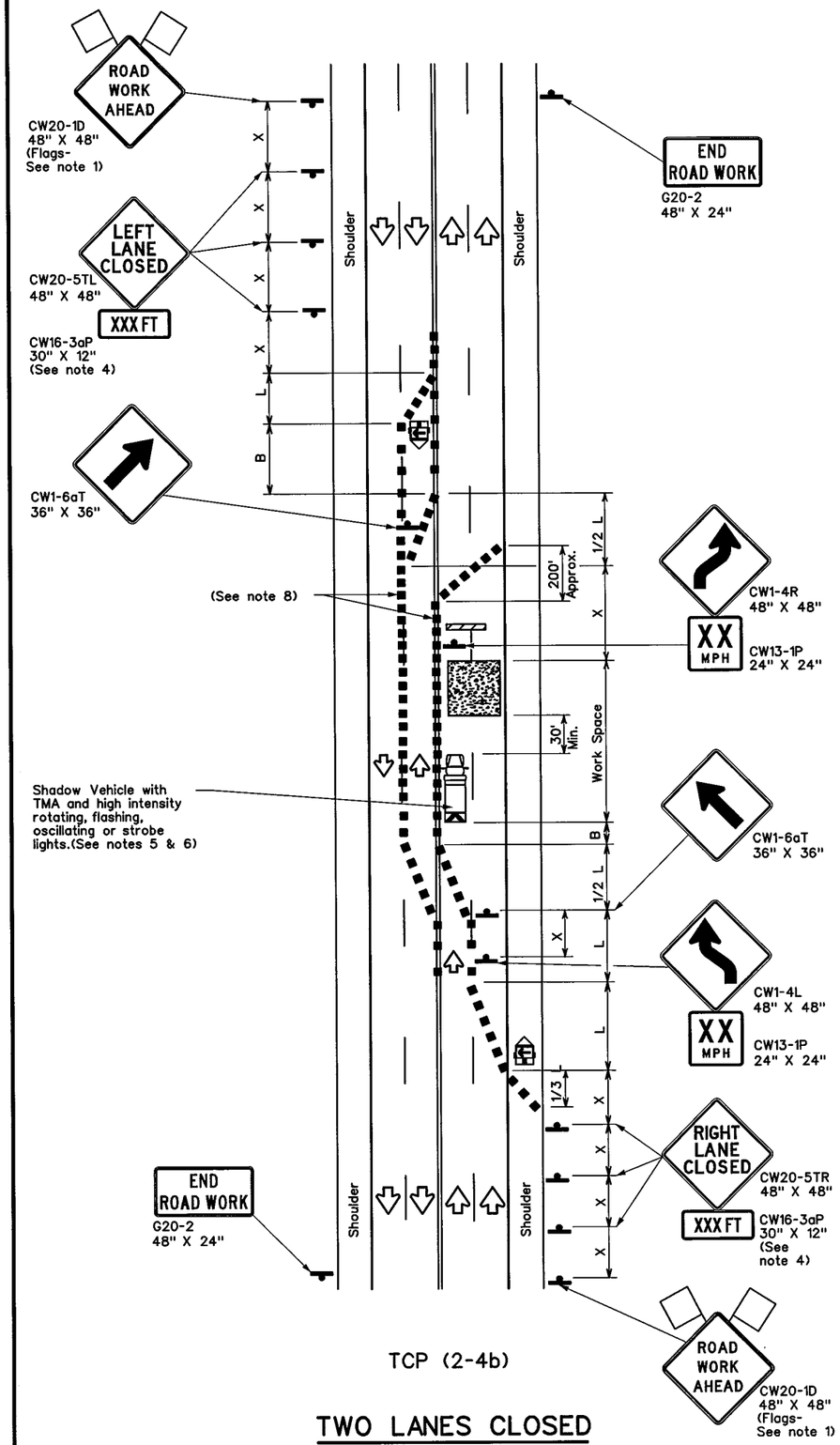
DATE:
FILE:

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.




TCP (2-4a)

## ONE LANE CLOSED




TCP (2-4b)

## TWO LANES CLOSED

| LEGEND | | | |
|---|---|---|---|
| | Type 3 Barricade | | Channelizing Devices |
| | Heavy Work Vehicle | | Truck Mounted Attenuator (TMA) |
| | Trailer Mounted Flashing Arrow Board | | Portable Changeable Message Sign (PCMS) |
| | Sign | | Traffic Flow |
| | Flag | | Flagger |

| Posted Speed * | Formula | Minimum Desirable Taper Lengths ** 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Channelizing Devices On a Taper | On a Tangent | Minimum Sign Spacing "X" Distance | Suggested Longitudinal Buffer Space "B" |
|---|---|---|---|---|---|---|---|---|
| 30 | $L=\frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60' | 120' | 90' |
| 35 | | 205' | 225' | 245' | 35' | 70' | 160' | 120' |
| 40 | | 265' | 295' | 320' | 40' | 80' | 240' | 155' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90' | 320' | 195' |
| 50 | | 500' | 550' | 600' | 50' | 100' | 400' | 240' |
| 55 | | 550' | 605' | 660' | 55' | 110' | 500' | 295' |
| 60 | | 600' | 660' | 720' | 60' | 120' | 600' | 350' |
| 65 | | 650' | 715' | 780' | 65' | 130' | 700' | 410' |
| 70 | | 700' | 770' | 840' | 70' | 140' | 800' | 475' |
| 75 | | 750' | 825' | 900' | 75' | 150' | 900' | 540' |

* Conventional Roads Only

** Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

| TYPICAL USAGE | | | | |
|---|---|---|---|---|
| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
| | | ✓ | ✓ | |

## GENERAL NOTES

1. Flags attached to signs where shown, are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
3. The downstream taper is optional. When used, it should be 100 feet minimum length per lane.
4. For short term applications, when post mounted signs are not used, the distance legend may be shown on the sign face rather than on a CW16-3aP supplemental plaque.
5. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
6. Additional Shadow Vehicles with TMAs may be positioned in each closed lane, on the shoulder or off the paved surface, next to those shown in order to protect a wider work space.

### TCP (2-4a)

7. If this TCP is used for a left lane closure, CW20-5TL "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline to protect the work space from opposing traffic with the arrow board placed in the closed lane near the end of the merging taper.

### TCP (2-4b)

8. For shorter durations where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' if posted speeds are 35 mph or slower, and for tangent sections, at 1/2(S) where S is the speed in mph. This tighter devices spacing is intended for the area of conflicting markings, not the entire work zone.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN LANE CLOSURES ON MULTILANE CONVENTIONAL ROADS

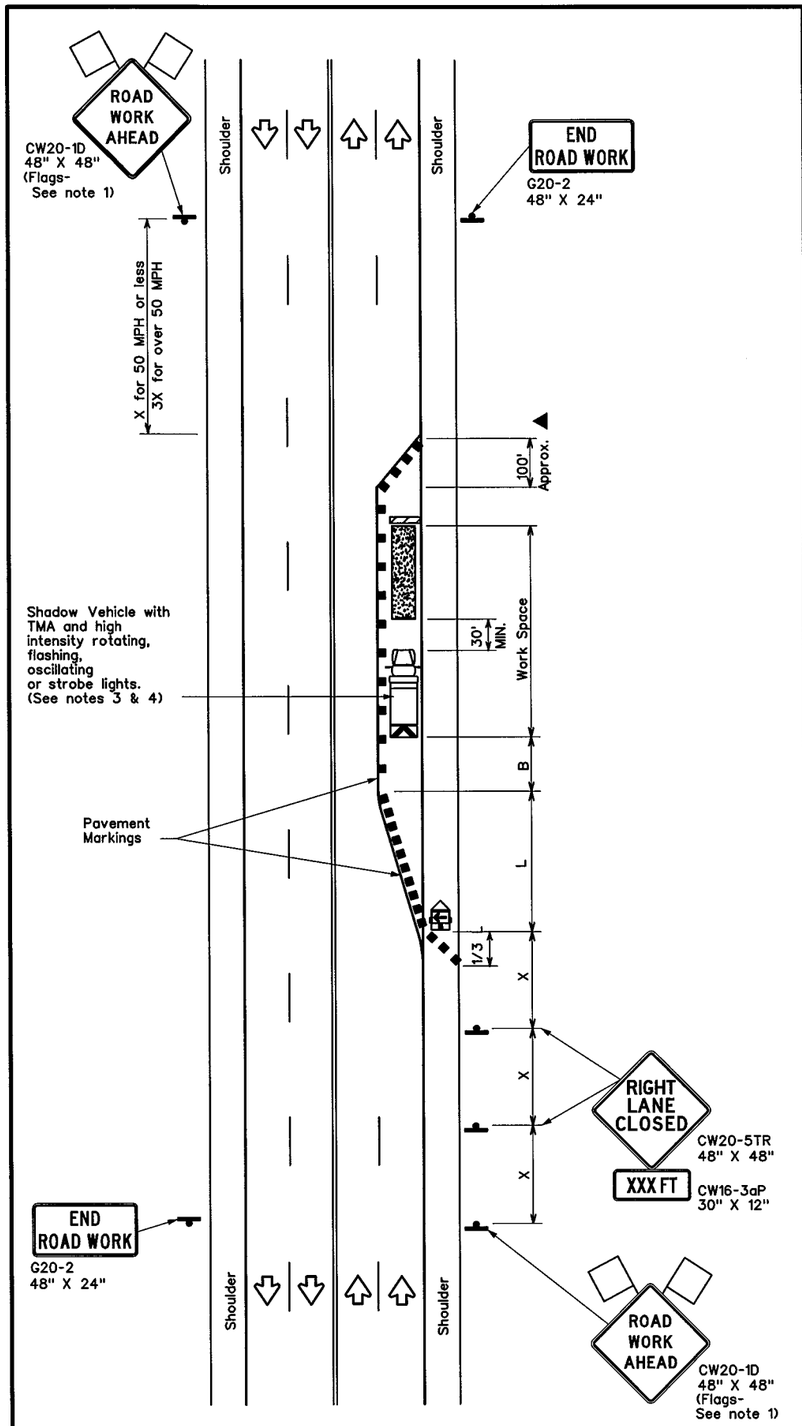
## TCP(2-4)-12

©TxDOT December 1985

| REVISIONS | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| 8-95 2-12 | CONT | SECT | JOB | HIGHWAY |
| 1-97 | 0014 | 16 | 255, ETC. | IH 35W |
| 4-98 | DIST | | COUNTY | SHEET NO. |
| 3-03 | FTW | | TARRANT | 654 |

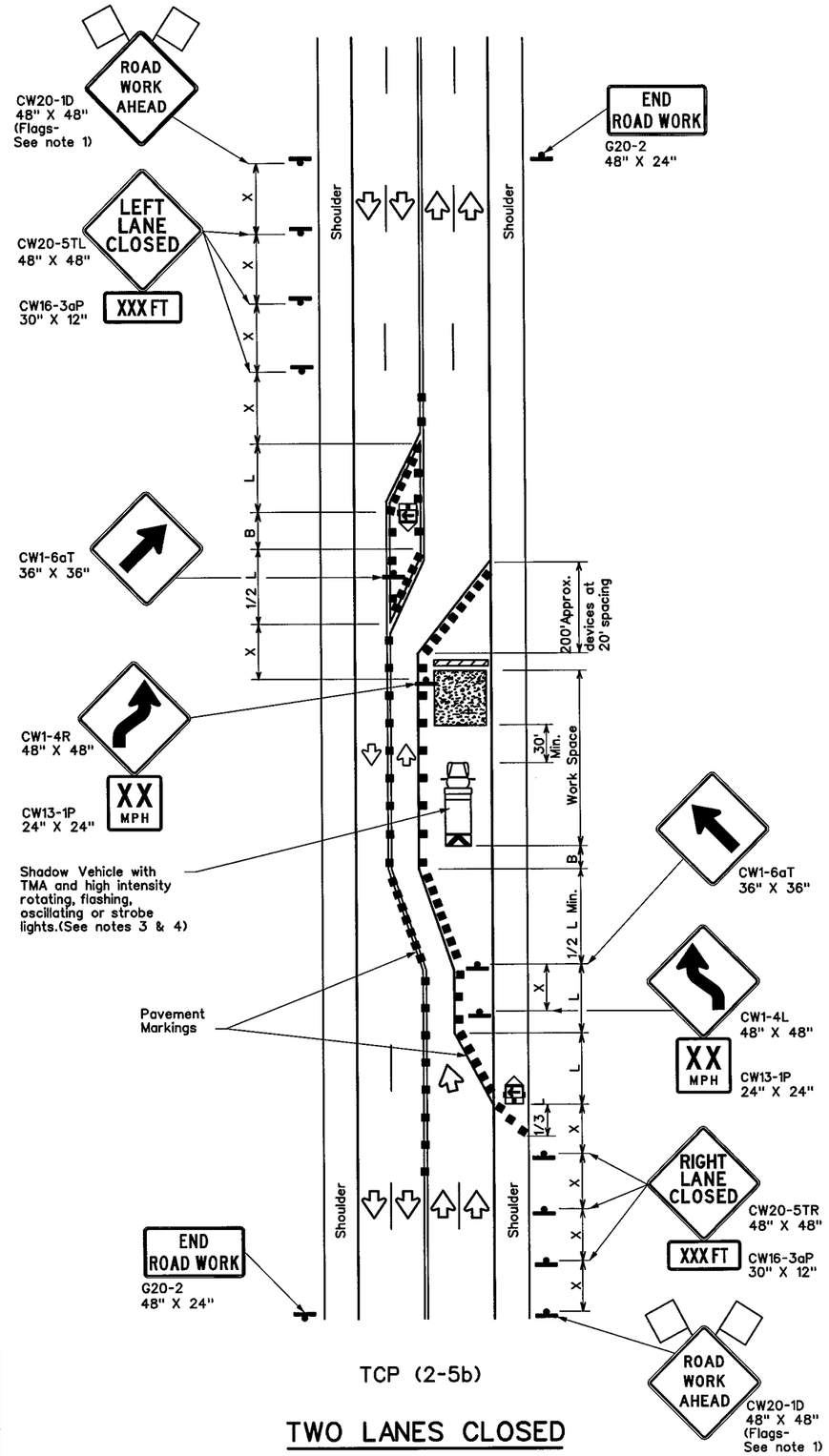
DATE:
FILE:

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.




TCP (2-5a)

## ONE LANE CLOSED




TCP (2-5b)

## TWO LANES CLOSED

| LEGEND | | | |
|---|---|---|---|
| | Type 3 Barricade | | Channelizing Devices |
| | Heavy Work Vehicle | | Truck Mounted Attenuator (TMA) |
| | Trailer Mounted Flashing Arrow Board | | Portable Changeable Message Sign (PCMS) |
| | Sign | | Traffic Flow |
| | Flag | | Flagger |

| Posted Speed * | Formula | Minimum Desirable Taper Lengths ** | | | Suggested Maximum Spacing of Channelizing Devices | | Minimum Sign Spacing "X" Distance | Suggested Longitudinal Buffer Space "B" |
|---|---|---|---|---|---|---|---|---|
| | | 10' Offset | 11' Offset | 12' Offset | On a Taper | On a Tangent | | |
| 30 | $L = \frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60' | 120' | 90' |
| 35 | | 205' | 225' | 245' | 35' | 70' | 160' | 120' |
| 40 | | 265' | 295' | 320' | 40' | 80' | 240' | 155' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90' | 320' | 195' |
| 50 | | 500' | 550' | 600' | 50' | 100' | 400' | 240' |
| 55 | | 550' | 605' | 660' | 55' | 110' | 500' | 295' |
| 60 | | 600' | 660' | 720' | 60' | 120' | 600' | 350' |
| 65 | | 650' | 715' | 780' | 65' | 130' | 700' | 410' |
| 70 | | 700' | 770' | 840' | 70' | 140' | 800' | 475' |
| 75 | | 750' | 825' | 900' | 75' | 150' | 900' | 540' |

* Conventional Roads Only

** Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

| TYPICAL USAGE | | | | |
|---|---|---|---|---|
| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
| | | | ✓ | ✓ |

## GENERAL NOTES

1. Flags attached to signs where shown, are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
3. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew eposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substitutued for the Shadow Vehicle and TMA.
4. Additional Shadow Vehicles with TMAs may be positioned in each closed lane, on the shoulder or off the paved surface, next to those shown in order to protect a wider work space.
5. The downstream taper is optional. When used, it should be 100 feet approximately per lane, with channelizing devices spaced at 20 feet.

### TCP (2-5a)

6. If this TCP is used for a left lane closure, CW20-5TL "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline to protect the work space from opposing traffic, with the arrow board placed in the closed lane near the end of the merging taper.

### TCP (2-5b)

7. Conflicting pavement markings shall be removed for long-term projects.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN LONG TERM LANE CLOSURES MULTILANE CONVENTIONAL RDS.

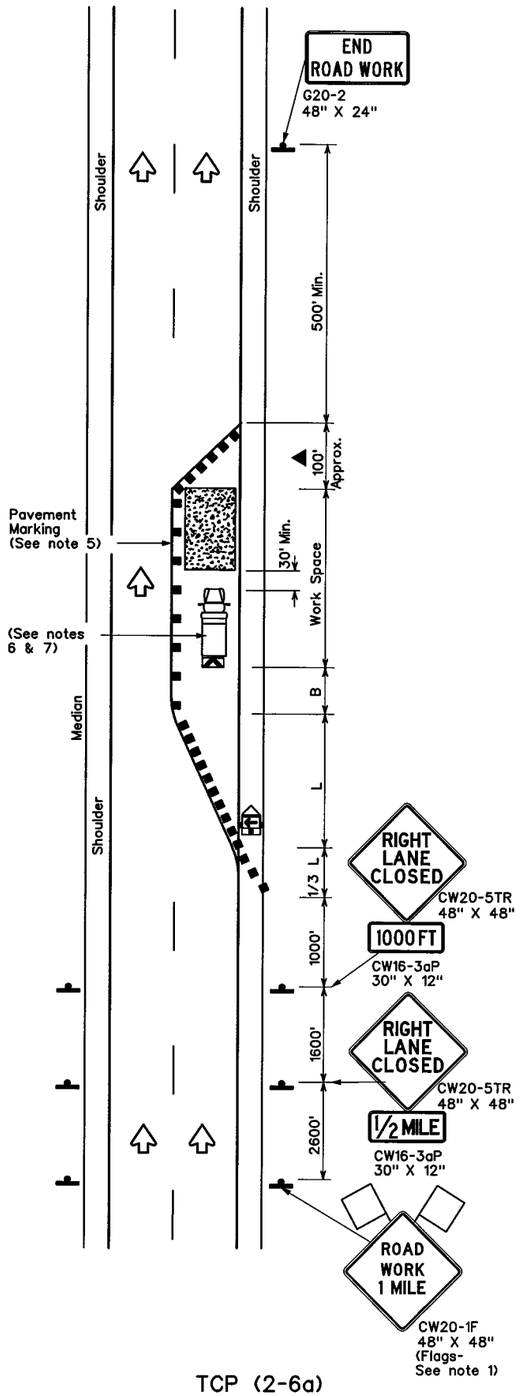
TCP(2-5)-12

©TxDOT December 1985

| REVISIONS | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| 8-95 2-12 | CONT | SECT | JOB | HIGHWAY |
| 1-97 | 0014 | 16 | 255, ETC. | IH 35W |
| 4-98 | DIST | | COUNTY | SHEET NO. |
| 3-03 | FTW | | TARRANT | 655 |

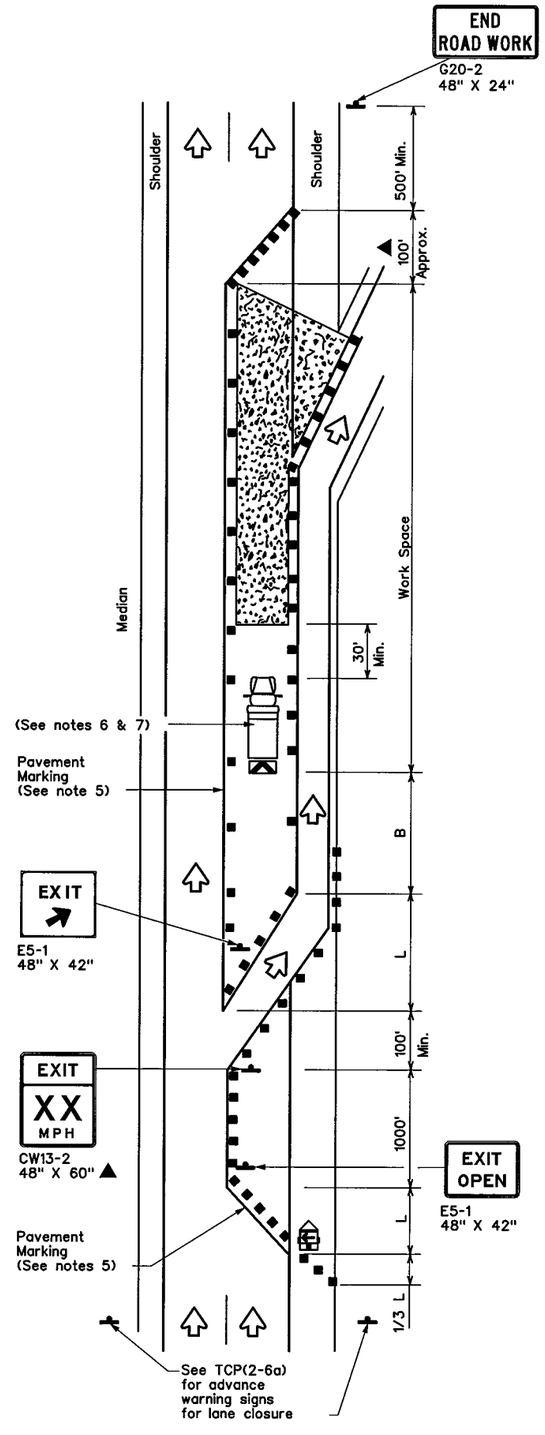
DATE:
FILE:

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.



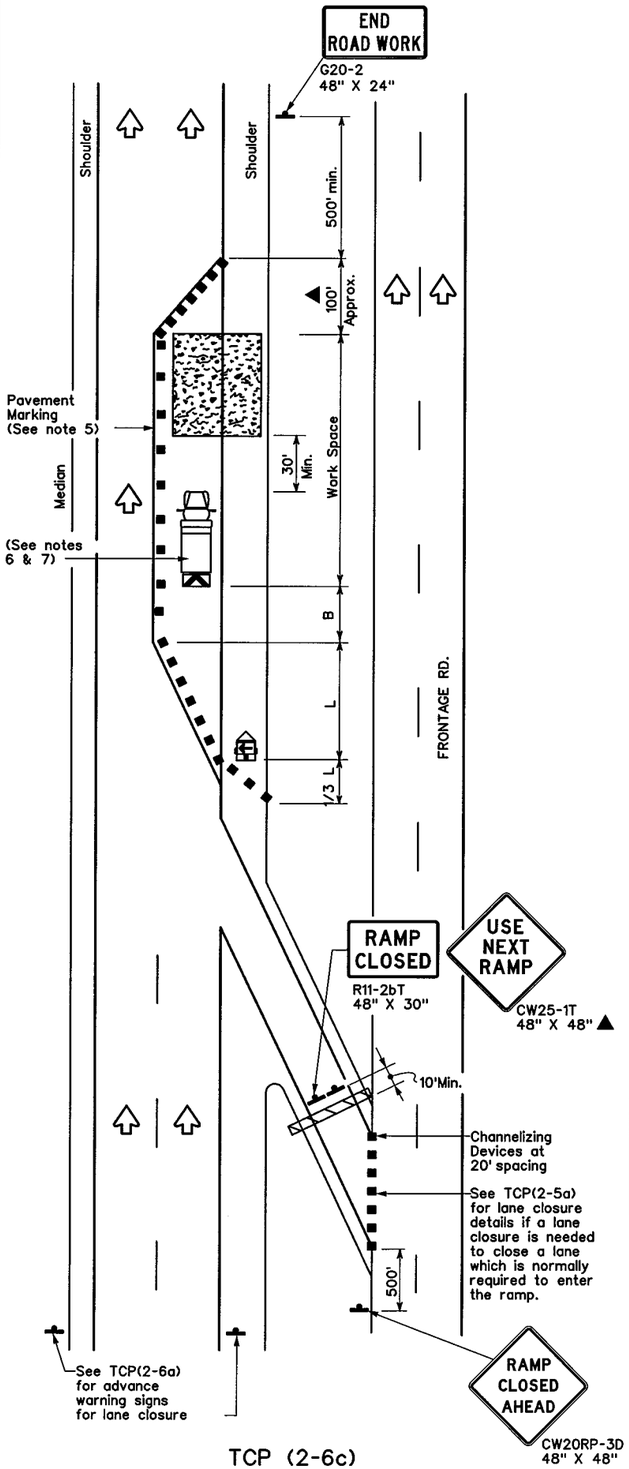

TCP (2-6a)

## ONE LANE CLOSURE




TCP (2-6b)

## LANE CLOSURE NEAR EXIT RAMPS




TCP (2-6c)

## LANE CLOSURE NEAR ENTRANCE RAMPS

## LEGEND

| | | | |
|---|---|---|---|
| | Type 3 Barricade | | Channelizing Devices |
| | Heavy Work Vehicle | | Truck Mounted Attenuator (TMA) |
| | Trailer Mounted Flashing Arrow Board | | Portable Changeable Message Sign (PCMS) |
| | Sign | | Traffic Flow |
| | Flag | | Flagger |

| Posted Speed * | Formula | Minimum Desirable Taper Lengths ** 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Channelizing Devices On a Taper | On a Tangent | Minimum Sign Spacing "X" Distance | Suggested Longitudinal Buffer Space "B" |
|---|---|---|---|---|---|---|---|---|
| 30 | $L = \frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60' | 120' | 90' |
| 35 | | 205' | 225' | 245' | 35' | 70' | 160' | 120' |
| 40 | | 265' | 295' | 320' | 40' | 80' | 240' | 155' |
| 45 | L = WS | 450' | 495' | 540' | 45' | 90' | 320' | 195' |
| 50 | | 500' | 550' | 600' | 50' | 100' | 400' | 240' |
| 55 | | 550' | 605' | 660' | 55' | 110' | 500' | 295' |
| 60 | | 600' | 660' | 720' | 60' | 120' | 600' | 350' |
| 65 | | 650' | 715' | 780' | 65' | 130' | 700' | 410' |
| 70 | | 700' | 770' | 840' | 70' | 140' | 800' | 475' |
| 75 | | 750' | 825' | 900' | 75' | 150' | 900' | 540' |

* Conventional Roads Only

** Taper lengths have been rounded off.
L-Length of Taper(FT) W-Width of Offset(FT) S-Posted Speed(MPH)

| TYPICAL USAGE | | | | |
|---|---|---|---|---|
| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
| | | | ✓ | ✓ |

## GENERAL NOTES

1. Flags attached to signs where shown, are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
3. Channelizing devices used to close lanes may be supplemented with the Chevron Alignment Sign placed on every other channelizing device. Chevrons may be attached to plastic drums as per BC Standards.
4. Channelizing devices used along the work space or along tangent sections may be supplemented with vertical panels (VP) placed on everyother channelizing device. If night time conditions make it difficult to see at least two VPs, the VPs may be placed on each channelizing device.
5. The placement of pavement markings may be omitted on intermediate-term stationary work zones with the approval of the Engineer.
6. Shadow Vehicle with TMA and high intensity rotating, flashing,oscillating or strobe lights. Shadow Vehicle with TMA and high intensity rotating, flashing, oscillating or strobe lights. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
7. Additional Shadow Vehicles with TMAs may be positioned in each closed lane, on the shoulder or off the paved surface, next to those shown in order to protect a wider work space.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN LANE CLOSURES ON DIVIDED HIGHWAYS

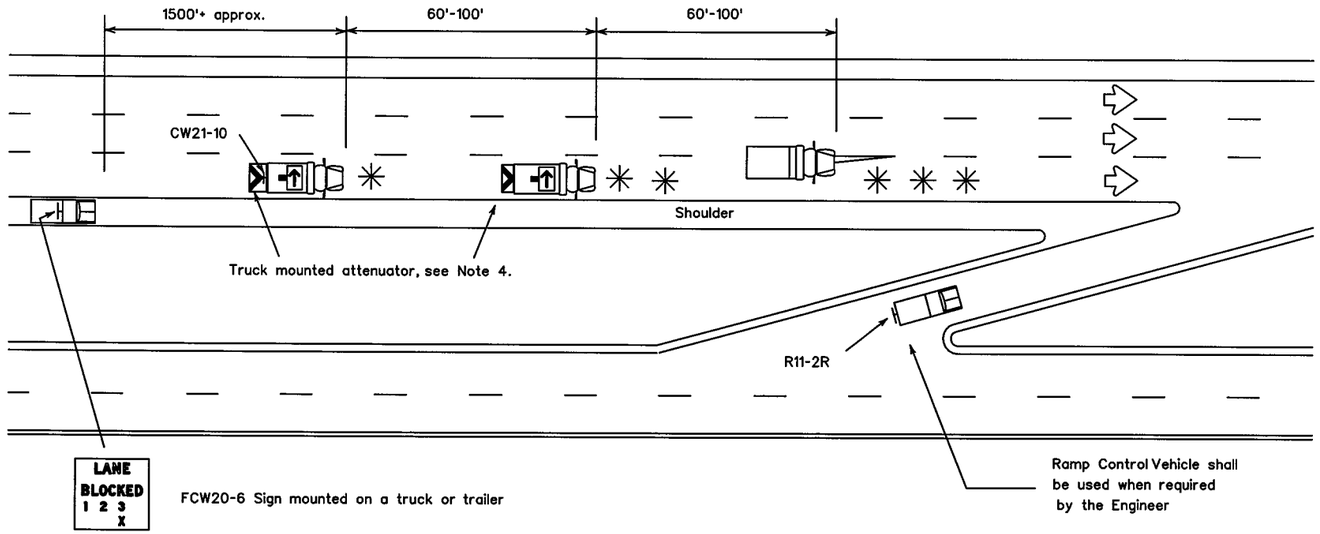
TCP(2-6)-12

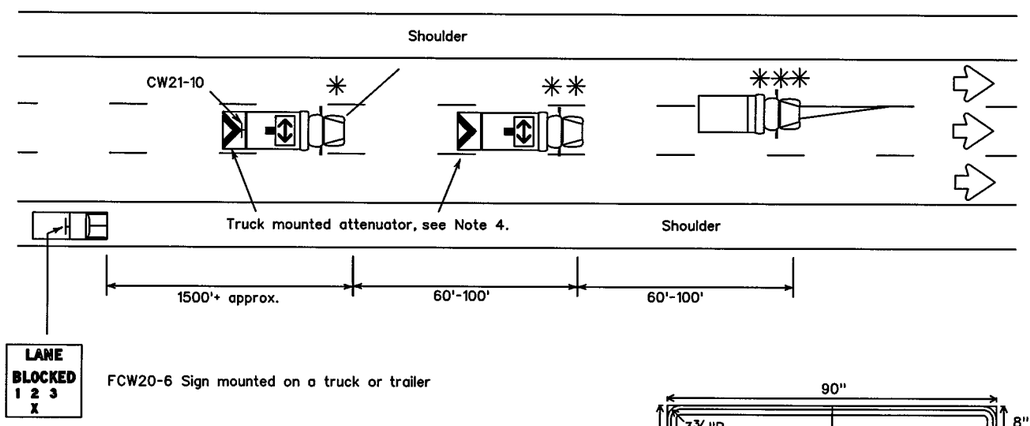
© TxDOT December 1985

| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| REVISIONS | CONT | SECT | JOB | HIGHWAY |
| 2-94 2-12 | 0014 | 16 | 255, ETC. | IH 35W |
| 8-95 | DIST | | COUNTY | SHEET NO. |
| 1-97 | FTW | | TARRANT | 656 |
| 4-98 | | | | |

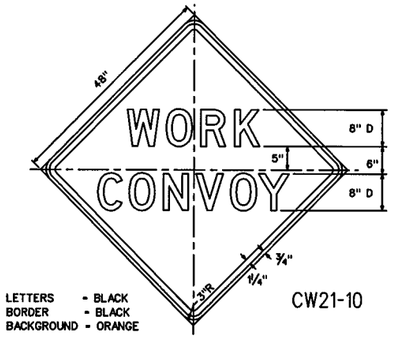
DATE:
FILE:

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.




Shadow and trail vehicle shall be equipped with Truck Mounted Attenuator.




CW21-10

## Legend:

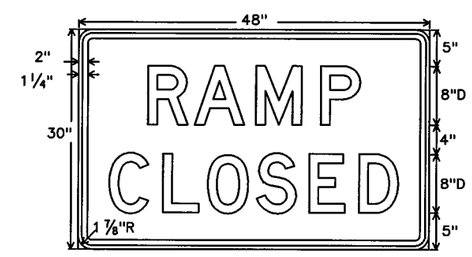
- ✱ TRAIL VEHICLE
- ✱✱ SHADOW VEHICLE
- ✱✱✱ WORK VEHICLE
- Truck mounted attenuator
- HEAVY WORK VEHICLE

Arrow Panel Displays

- RIGHT Directional
- LEFT Directional
- RIGHT or LEFT Directional
- CAUTION mode

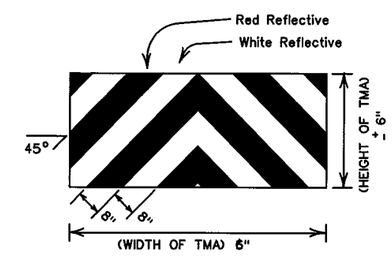
GENERAL NOTES:

1. TRAIL, SHADOW, LEAD, and work vehicles shall be equipped with arrow panels as illustrated. The Engineer will determine if the LEAD VEHICLE and/or TRAIL VEHICLE are required based on prevailing roadway conditions, traffic volume, and sight distance restrictions.
2. All traffic control devices shall be in accordance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD), latest edition.
3. The use of yellow rotating beacons or strobe lights on vehicles are required unless otherwise stated elsewhere in the plans.
4. The use of truck mounted attenuators (TMA) on the SHADOW VEHICLE and the TRAIL VEHICLE are required.
5. Optional striping on the back panel of all truck mounted attenuators shall be 8" red and white reflective sheeting placed in an inverted "V" design. Reflective sheeting shall meet or exceed the reflectivity and color requirements of DEPARTMENTAL MATERIAL SPECIFICATION D-9-8300, TYPE C.
6. Flashing Arrow Panels shall be Type B or Type C as per BC Standards. The panel operation shall be controlled from inside the vehicle.
7. Each vehicle shall have two-way radio communication capability.
8. When work convoys must change lanes, the TRAIL VEHICLE should change lanes first to shadow the other convoy vehicles.
9. Vehicle spacing between TRAIL VEHICLE and SHADOW VEHICLE will vary depending on sight distance restrictions. Motorists approaching the work convoy should be able to see the TRAIL VEHICLE in time to slow down and/or change lanes as they approach the TRAIL VEHICLE.
10. The LANE BLOCKED sign (FCW20-6) shall be used on divided highways and may be mounted on a truck or trailer. For divided highways with two lanes in each direction, the RIGHT or LEFT LANE CLOSED sign (CW20-5, 48" x 48") may be substituted for the LANE BLOCKED sign (FCW20-6).



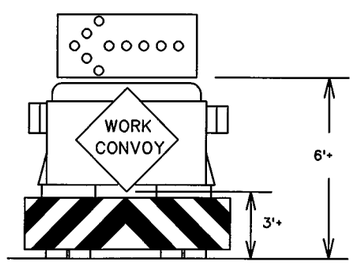

R11-2R

LETTERS - BLACK
BORDER - BLACK
BACKGROUND - WHITE

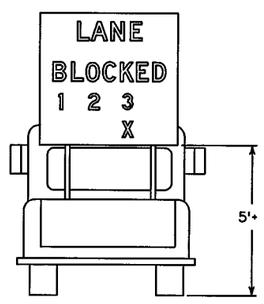



OPTIONAL STRIPING FOR TMA

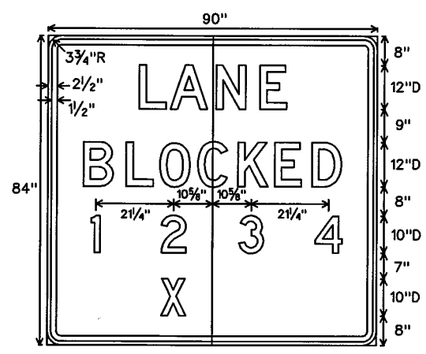
STRIPING FOR TMA WILL BE REQUIRED ON ALL PROJECTS AWARDED AFTER JANUARY 1, 2000




Typical Trail Vehicle with LEFT Directional display Flashing Arrow Panel




Typical Advance Warning Vehicle




FCW20-6

LETTERS - BLACK
BORDER - BLACK
BACKGROUND - ORANGE

Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:

Standards Engineer
Traffic Operations Division - TE
Texas Department of Transportation
125 East 11th Street
Austin, Texas 78701-2483
Phone (512) 416-3335
Fax (512) 416-3161
E-mail TRF-STANDARD@mailgw.dot.state.tx.us

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN MOBILE OPERATIONS DIVIDED HIGHWAYS

TCP(3-2)-98

©TxDOT December 1985

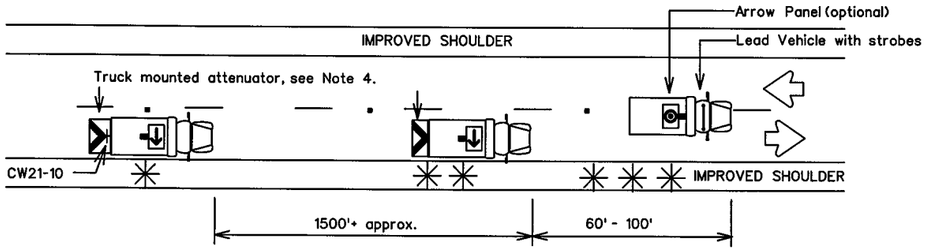
| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|

REVISIONS: 2-94, 8-95, 1-97, 4-98

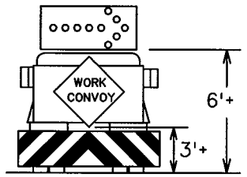
| CONT | SECT | JOB | HIGHWAY |
|---|---|---|---|
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 657 |

DATE:
FILE:

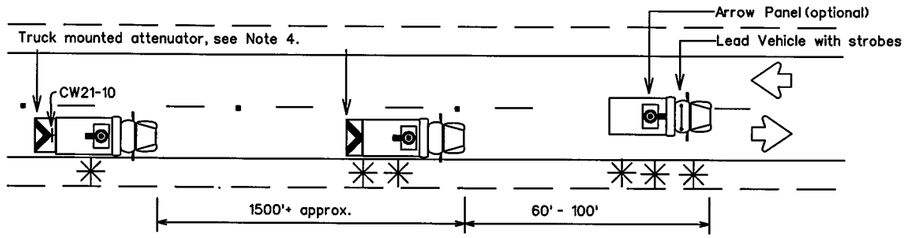
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.



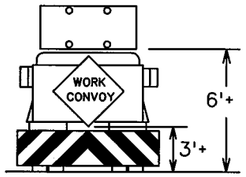

Two Lane Highway With Paved Shoulders (work on travel lane)



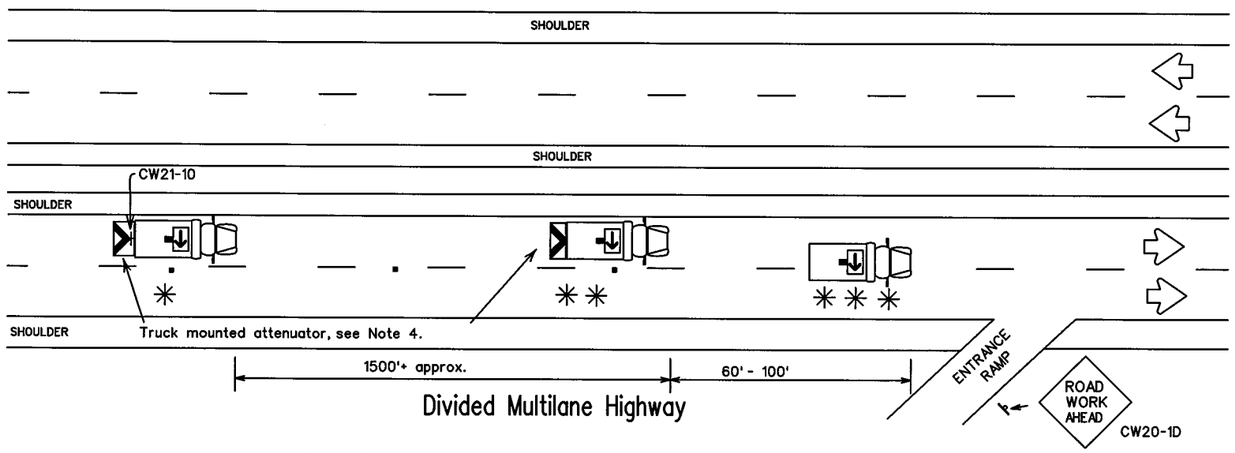

TYPICAL TRAIL VEHICLE
RIGHT Directional display
Flashing Arrow Panel



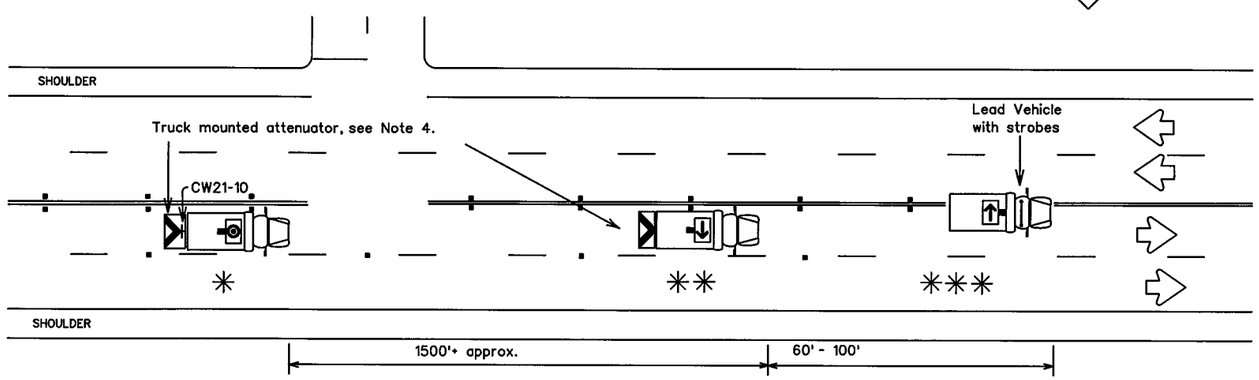

Two Lane Highway Without Paved Shoulders (work on travel lane)



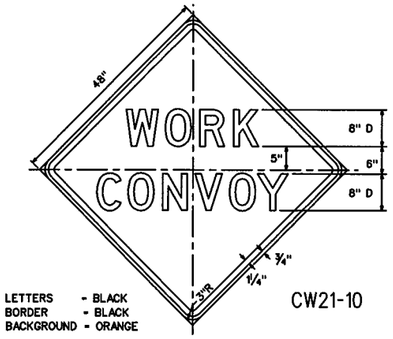

TYPICAL TRAIL VEHICLE
with (four corner flash)
CAUTION display
Flashing Arrow Panel




Divided Multilane Highway




Undivided Multilane Highway




LETTERS - BLACK
BORDER - BLACK
BACKGROUND - ORANGE

CW21-10

*Legend:*

- ✱ TRAIL VEHICLE
- ✱✱ SHADOW VEHICLE
- ✱✱✱ WORK VEHICLE
- Truck mounted attenuator
- HEAVY WORK VEHICLE

Arrow Panel Displays

- RIGHT Directional
- LEFT Directional
- RIGHT or LEFT Directional
- CAUTION mode

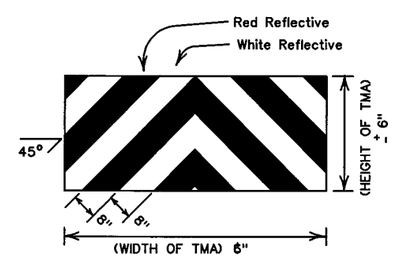
GENERAL NOTES:

1. TRAIL, SHADOW, LEAD, and work vehicles shall be equipped with arrow panels as illustrated. The Engineer will determine if the LEAD VEHICLE and/or TRAIL VEHICLE are required based on prevailing roadway conditions, traffic volume, and sight distance restrictions.
2. All traffic control devices shall be in accordance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD), latest edition.
3. The use of yellow rotating beacons or strobe lights on vehicles are required unless otherwise stated elsewhere in the plans.
4. The use of truck mounted attenuators (TMA) on the SHADOW VEHICLE and the TRAIL VEHICLE are required.
5. Optional striping on the back panel of all truck mounted attenuators shall be 8" red and white reflective sheeting placed in an inverted "V" design. Reflective sheeting shall meet or exceed the reflectivity and color requirements of DEPARTMENTAL MATERIAL SPECIFICATION D-9-8300, TYPE C.
6. Flashing Arrow Panels shall be Type B or Type C as per BC Standards. The panel operation shall be controlled from inside the vehicle.
7. Each vehicle shall have two-way radio communication capability.
8. When work convoys must change lanes, the TRAIL VEHICLE should change lanes first to shadow the other convoy vehicles.
9. Vehicle spacing between TRAIL VEHICLE and SHADOW VEHICLE will vary depending on sight distance restrictions. Motorists approaching the work convoy should be able to see the TRAIL VEHICLE in time to slow down and/or change lanes as they approach the TRAIL VEHICLE.

Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:

Standards Engineer
Traffic Operations Division - TE
Texas Department of Transportation
125 East 11th Street
Austin, Texas 78701-2483
Phone (512) 416-3335
Fax (512) 416-3161
E-mail TRF-STANDARD@mailgw.dot.state.tx.us

Shadow and trail vehicle shall be equipped with Truck Mounted Attenuator.




OPTIONAL STRIPING FOR TMA

STRIPING FOR TMA WILL BE REQUIRED ON ALL PROJECTS AWARDED AFTER JANUARY 1, 2000

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN MOBILE OPERATIONS RAISED PAVEMENT MARKER INSTALLATION

TCP(3-3)-98

© TxDOT September 1987

| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| CONT | SECT | JOB | HIGHWAY |
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 658 |

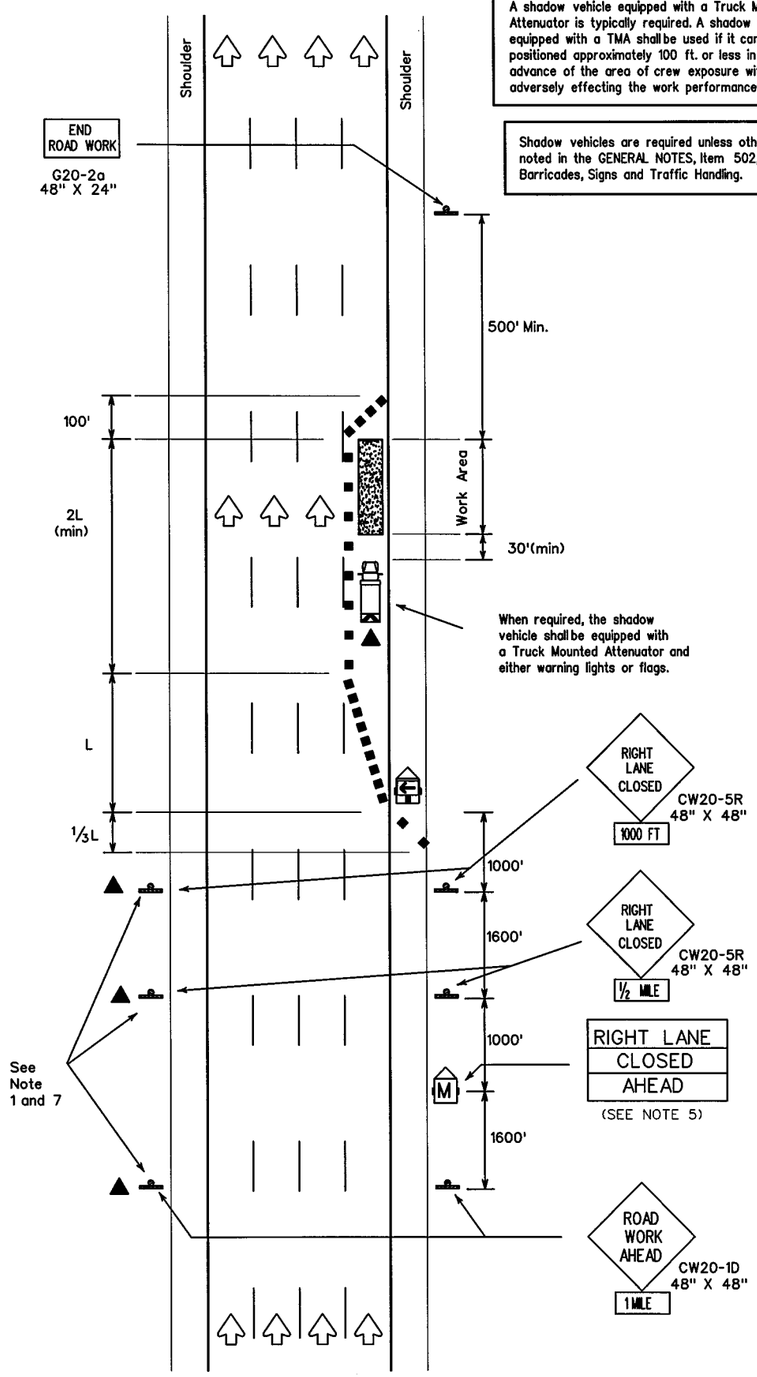
REVISIONS
2-94
8-95
1-97
4-98

DATE:
FILE:

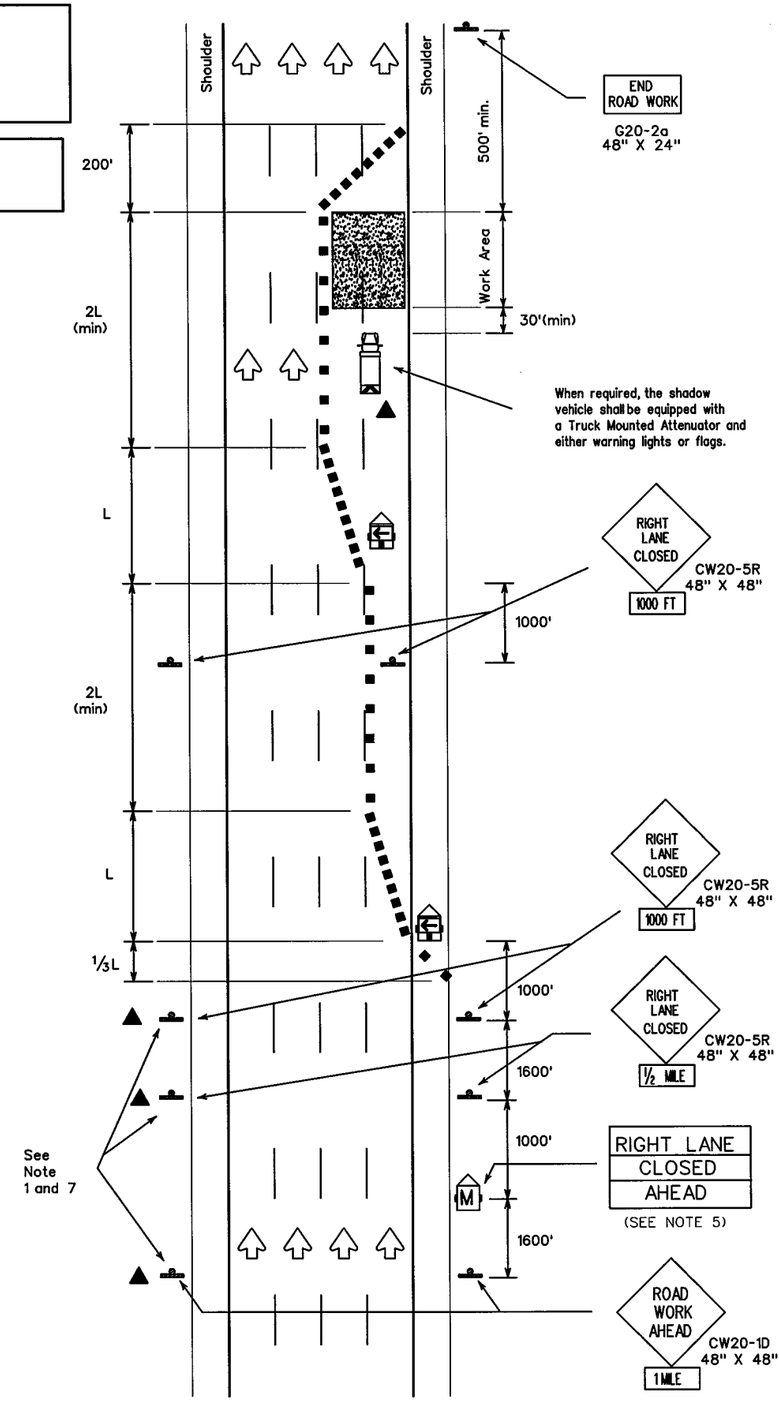
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

A shadow vehicle equipped with a Truck Mounted Attenuator is typically required. A shadow vehicle equipped with a TMA shall be used if it can be positioned approximately 100 ft. or less in advance of the area of crew exposure without adversely effecting the work performance.

Shadow vehicles are required unless otherwise noted in the GENERAL NOTES, Item 502, Barricades, Signs and Traffic Handling.




TCP (6-1a)
Typical Freeway
One Lane Closure




TCP (6-1b)
Typical Freeway
Two Lane Closure

| TYPICAL USAGE: | | | | |
|---|---|---|---|---|
| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
| | ✓ | ✓ | | |

LEGEND

- Type III Barricade
- Channelizing Devices
- Flag
- Heavy Work Vehicle
- Truck Mounted Attenuator
- Trailer Mounted Flashing Arrow Panel
- Portable Changeable Message Sign
- Flagger
- Sign Post

| Posted Speed | Formula | Minimum Desirable Taper Lengths ** 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Device On a Taper | On a Tangent |
|---|---|---|---|---|---|---|
| 30 | $L = \frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60'-75' |
| 35 | | 205' | 225' | 245' | 35' | 70'-90' |
| 40 | | 265' | 295' | 320' | 40' | 80'-100' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90'-110' |
| 50 | | 500' | 550' | 600' | 50' | 100'-125' |
| 55 | | 550' | 605' | 660' | 55' | 110'-140' |
| 60 | | 600' | 660' | 720' | 60' | 120'-150' |
| 65 | | 650' | 715' | 780' | 65' | 130'-165' |
| 70 | | 700' | 770' | 840' | 70' | 140'-175' |

** Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.) S=Posted Speed (MPH)

GENERAL NOTES:

1. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans.
2. Drums are the typical channelizing device. Cones or other devices may be used if approved by the Engineer. Drums shall be used during nighttime operations.
3. All construction signs and barricades placed during any phase of work shall remain in place until removal is approved by the Engineer.
4. The Engineer may direct the Contractor to furnish additional signs and barricades as required to maintain traffic flow and motorist safety during construction.
5. Static message board or changeable message signs stating the date and duration of ramp or freeway closure shall be placed a minimum of seven (7) calendar days in advance of actual closure.
6. High level warning flags should be used on advance warning signs during daytime operations. Warning lights may be used to add emphasis to advance warning signs during nighttime operations.
7. Duplicate construction warning signs should be erected on the median side of freeways where median width will permit and traffic volume justifies the signing.
8. The number of closed lanes may be increased provided the spacings of traffic control devices, taper lengths and tangent lengths meet the requirements of the TMUTCD.
9. Warning signs shown shall be appropriately altered for left lane closures.
10. The TCP details may require additional and/or relocation of route shields, guide signs, etc. to guide motorists along entire length of detour due to ramp and freeway closures.
11. See BC Standards for additional sign details.
12. When possible, changeable message signs should be located 500 feet in advance of the last available exit ramp prior to the lane closure to allow motorists an alternate route.

**Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:**

**Standards Engineer**
**Traffic Operations Division - TE**
**Texas Department of Transportation**
**125 East 11th Street**
**Austin, Texas 78701-2483**
**Phone (512) 416-3335**
**Fax (512) 416-3161**
**E-mail TRF-STANDARD@mailgw.dot.state.tx.us**

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN
# FREEWAY LANE CLOSURE

## TCP(6-1)-98A

©TxDOT Feburary 1994

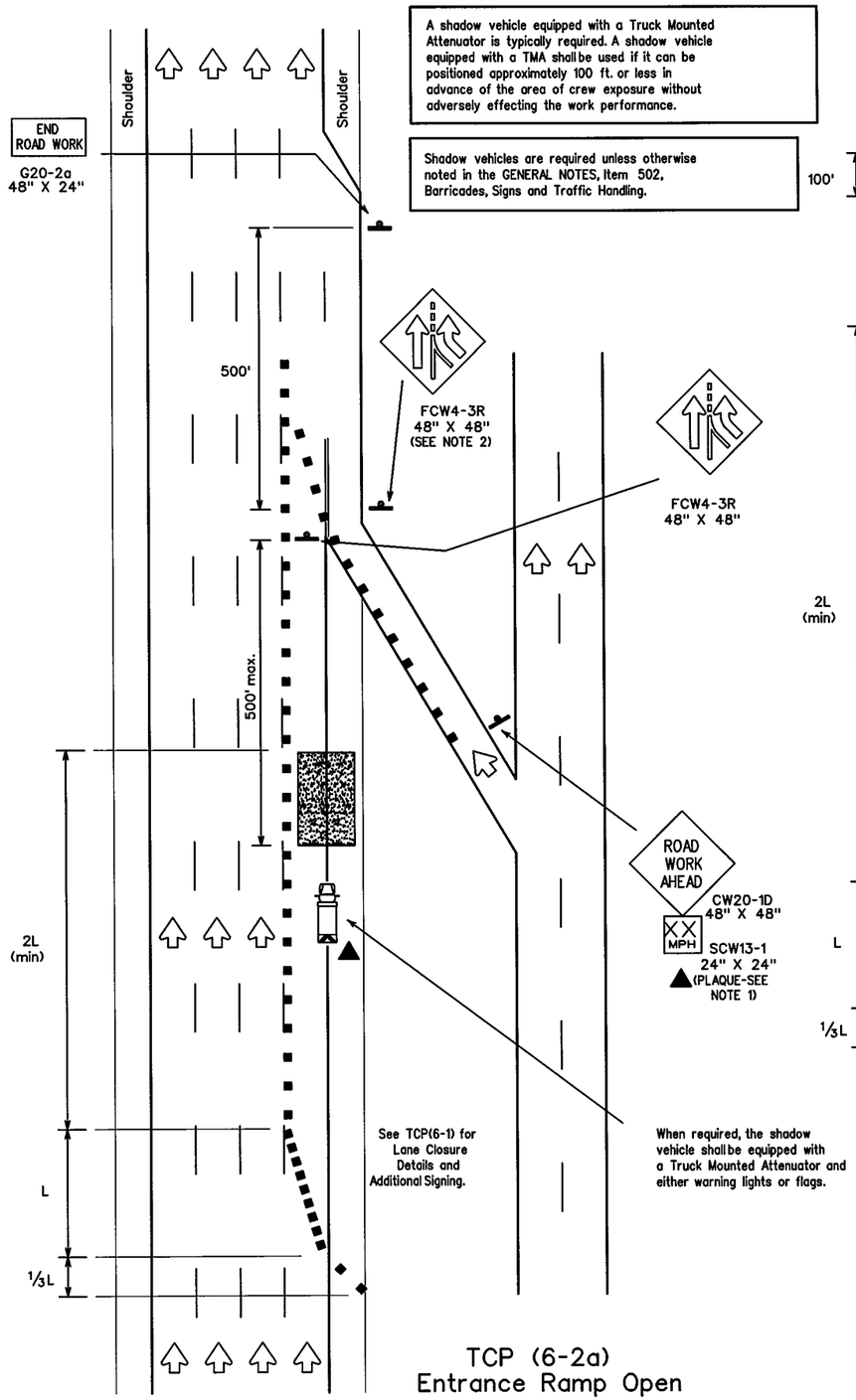
REVISIONS
1-97
4-98
8-98

| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| CONT | SECT | JOB | HIGHWAY |
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 659 |

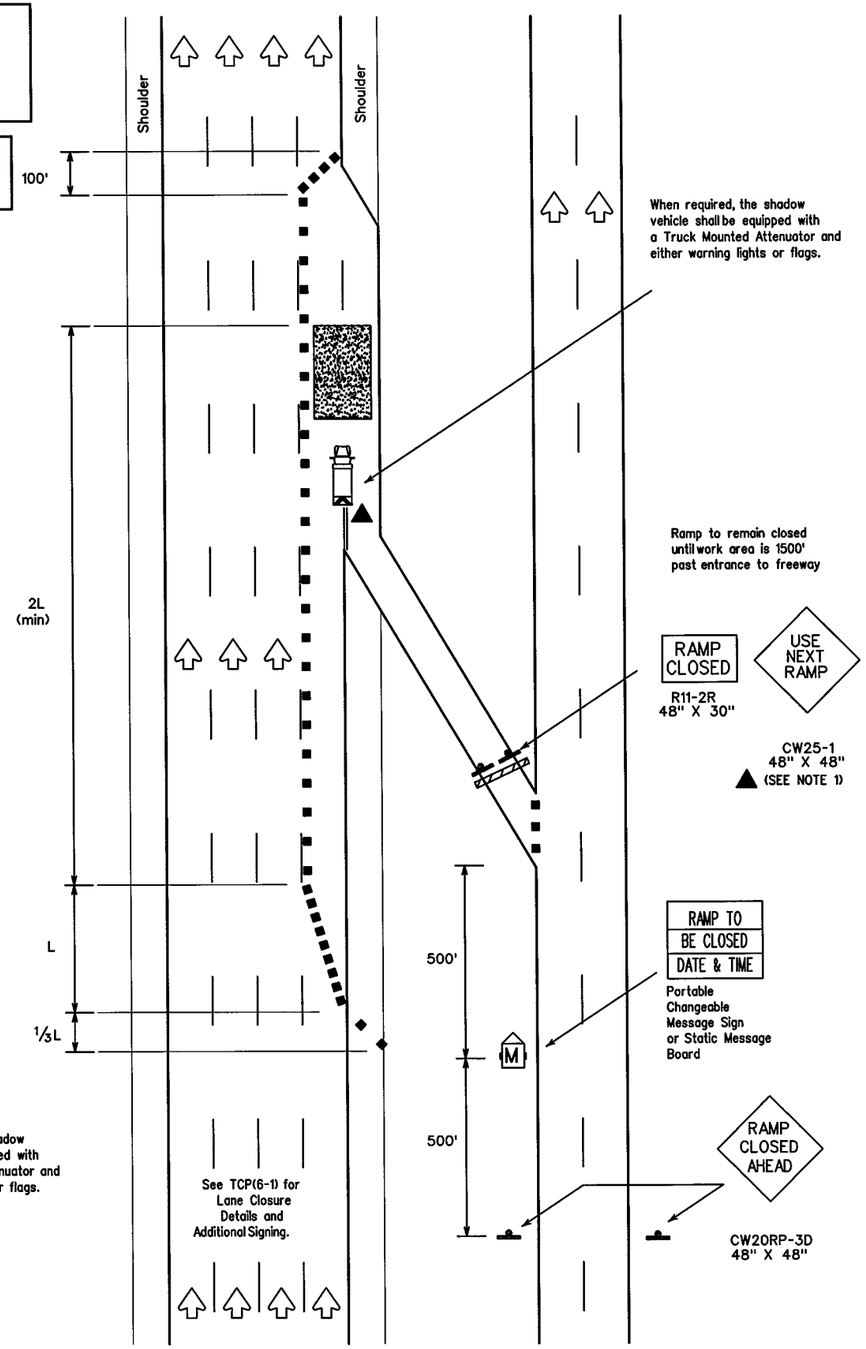
DATE:
FILE:

201

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.




TCP (6-2a)
Entrance Ramp Open
Work Within 500' of Ramp




TCP (6-2b)
Entrance Ramp Closed

LEGEND

Type III Barricade
Channelizing Devices
Flag
Heavy Work Vehicle
Truck Mounted Attenuator
Trailer Mounted Flashing Arrow Panel
Portable Changeable Message Sign
Flagger
Sign Post

| Posted Speed | Formula | Minimum Desirable Taper Lengths ** 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Device On a Taper | On a Tangent |
|---|---|---|---|---|---|---|
| 30 | $L = \frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60'-75' |
| 35 | | 205' | 225' | 245' | 35' | 70'-90' |
| 40 | | 265' | 295' | 320' | 40' | 80'-100' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90'-110' |
| 50 | | 500' | 550' | 600' | 50' | 100'-125' |
| 55 | | 550' | 605' | 660' | 55' | 110'-140' |
| 60 | | 600' | 660' | 720' | 60' | 120'-150' |
| 65 | | 650' | 715' | 780' | 65' | 130'-165' |
| 70 | | 700' | 770' | 840' | 70' | 140'-175' |

** Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.) S=Posted Speed (MPH)

| TYPICAL USAGE: | | | | |
|---|---|---|---|---|
| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
| | ✓ | ✓ | | |

GENERAL NOTES:

1. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans.
2. ADDED LANE Symbol (FCW4-3R) sign may be omitted when sign between ramp and mainlane can be seen from both roadways.

**Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:**

**Standards Engineer**
**Traffic Operations Division - TE**
**Texas Department of Transportation**
**125 East 11th Street**
**Austin, Texas 78701-2483**
**Phone (512) 416-3335**
**Fax (512) 416-3161**
**E-mail TRF-STANDARD@mailgw.dot.state.tx.us**

ADDITIONAL REQUIREMENTS FOR LANE CLOSURES AND ADVANCE SIGNING SHALL BE AS SHOWN ON TCP (6-1) OR AS DIRECTED BY THE ENGINEER.

*Texas Department of Transportation*
*Traffic Operations Division*

# TRAFFIC CONTROL PLAN
# WORK AREA NEAR RAMP

## TCP(6-2)-98A

©TxDOT Feburary 1994

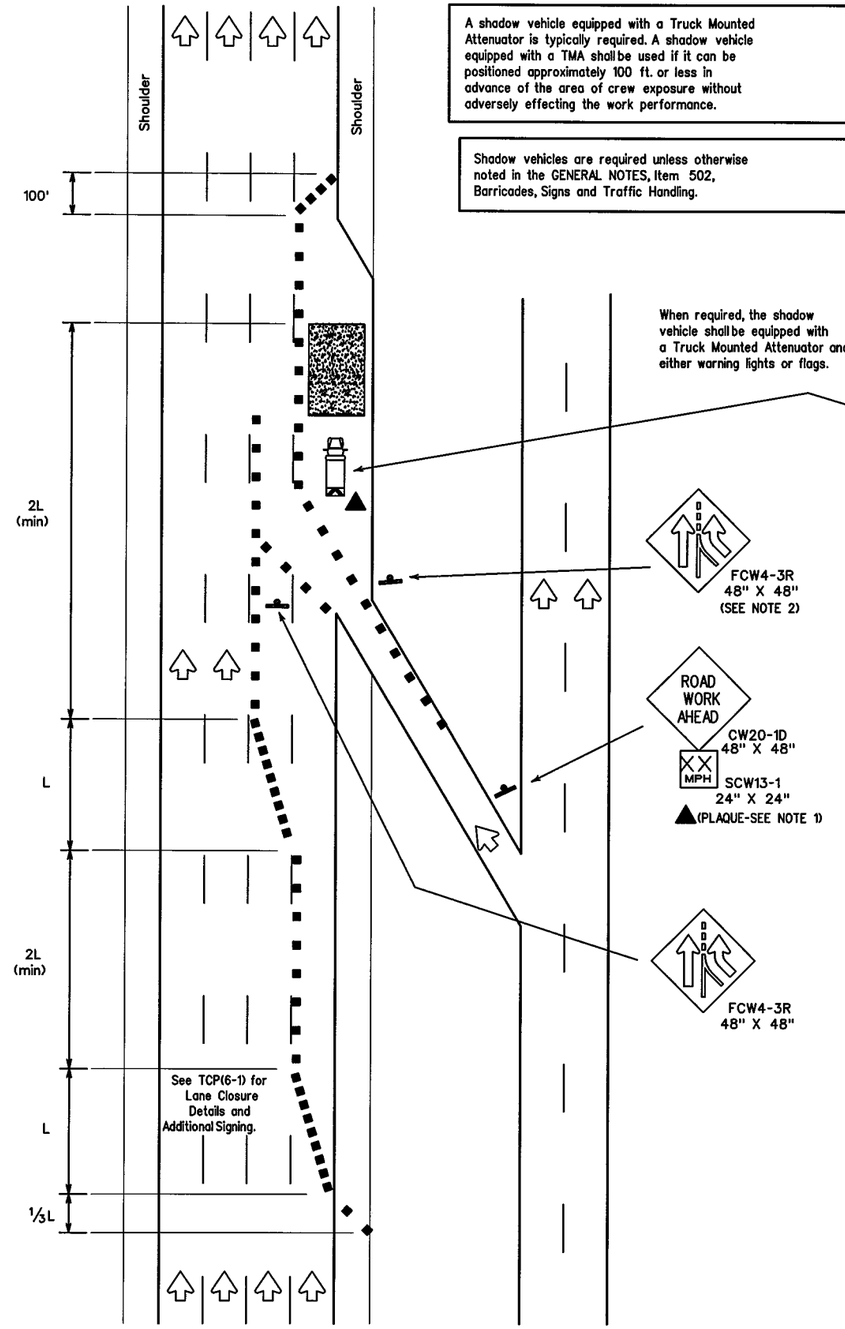
| REVISIONS | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| 1-97 | CONT | SECT | JOB | HIGHWAY |
| 4-98 | 0014 | 16 | 255, ETC. | IH 35W |
| 8-98 | DIST | | COUNTY | SHEET NO. |
| | FTW | | TARRANT | 660 |

DATE:
FILE:

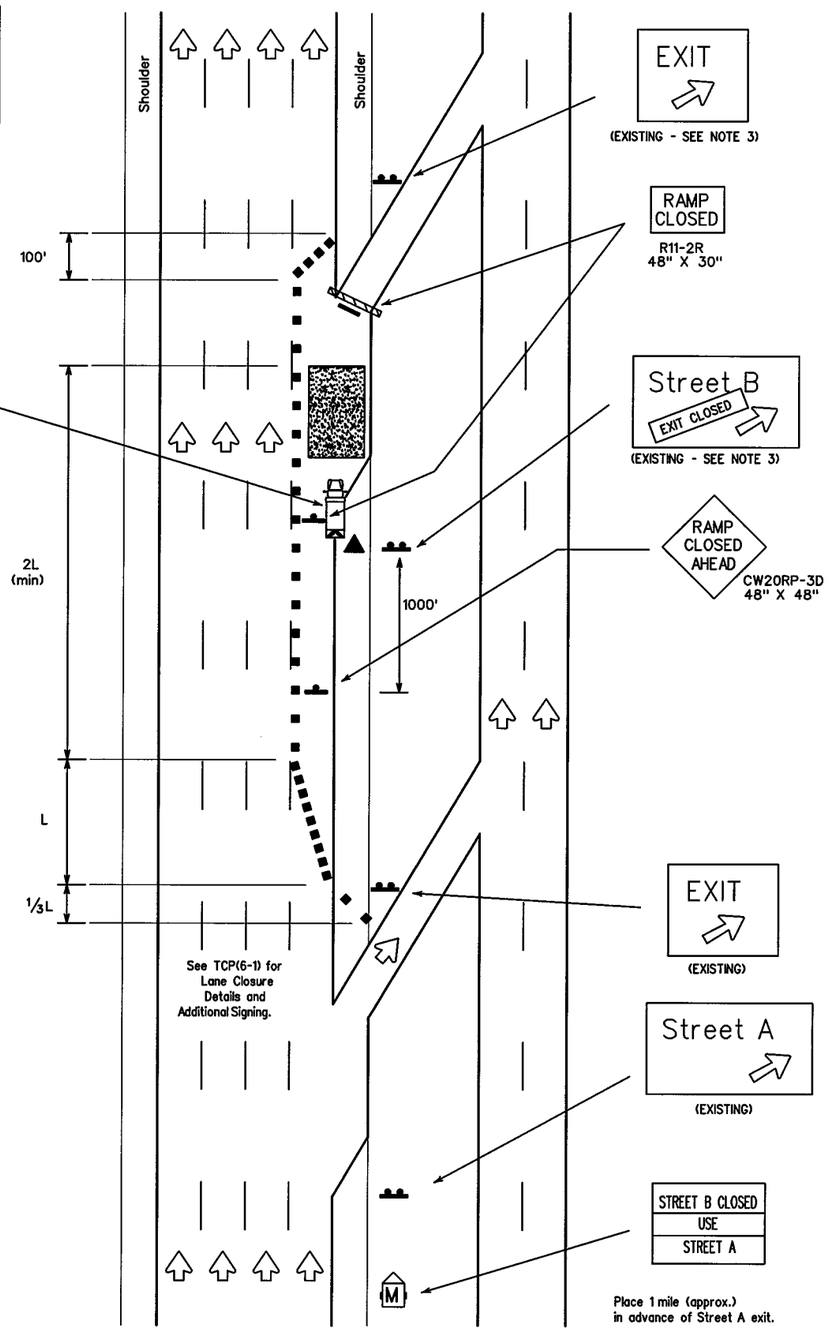
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

A shadow vehicle equipped with a Truck Mounted Attenuator is typically required. A shadow vehicle equipped with a TMA shall be used if it can be positioned approximately 100 ft. or less in advance of the area of crew exposure without adversely effecting the work performance.

Shadow vehicles are required unless otherwise noted in the GENERAL NOTES, Item 502, Barricades, Signs and Traffic Handling.




TCP (6-3a)
Entrance Ramp Open




TCP (6-3b)
Exit Ramp Closed
Traffic Exits Prior to Closed Ramp

LEGEND

Type III Barricade
Channelizing Devices
Flag
Heavy Work Vehicle
Truck Mounted Attenuator
Trailer Mounted Flashing Arrow Panel
Portable Changeable Message Sign
Flagger
Sign Post

| Posted Speed | Formula | Minimum Desirable Taper Lengths ** 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Device On a Taper | On a Tangent |
|---|---|---|---|---|---|---|
| 30 | $L = \frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60'-75' |
| 35 | | 205' | 225' | 245' | 35' | 70'-90' |
| 40 | | 265' | 295' | 320' | 40' | 80'-100' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90'-110' |
| 50 | | 500' | 550' | 600' | 50' | 100'-125' |
| 55 | | 550' | 605' | 660' | 55' | 110'-140' |
| 60 | | 600' | 660' | 720' | 60' | 120'-150' |
| 65 | | 650' | 715' | 780' | 65' | 130'-165' |
| 70 | | 700' | 770' | 840' | 70' | 140'-175' |

** Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.) S=Posted Speed (MPH)

| TYPICAL USAGE: | | | | |
|---|---|---|---|---|
| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
| | ✓ | ✓ | | |

GENERAL NOTES:

1. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans.
2. ADDED LANE (FCW4-3R) sign may be omitted when sign between ramp and mainlane can be seen from both roadways.
3. Existing exit gore, exit direction, and advance guide signs not in use should be covered, removed or EXIT CLOSED (CW26-1T) sign attached. See BC Standards for sign details.

Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:

Standards Engineer
Traffic Operations Division - TE
Texas Department of Transportation
125 East 11th Street
Austin, Texas 78701-2483
Phone (512) 416-3335
Fax (512) 416-3161
E-mail TRF-STANDARD@mailgw.dot.state.tx.us

ADDITIONAL REQUIREMENTS FOR LANE CLOSURES AND ADVANCE SIGNING SHALL BE AS SHOWN ON TCP (6-1) OR AS DIRECTED BY THE ENGINEER.

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN

## TCP(6-3)-98A

© TxDOT Feburary 1994

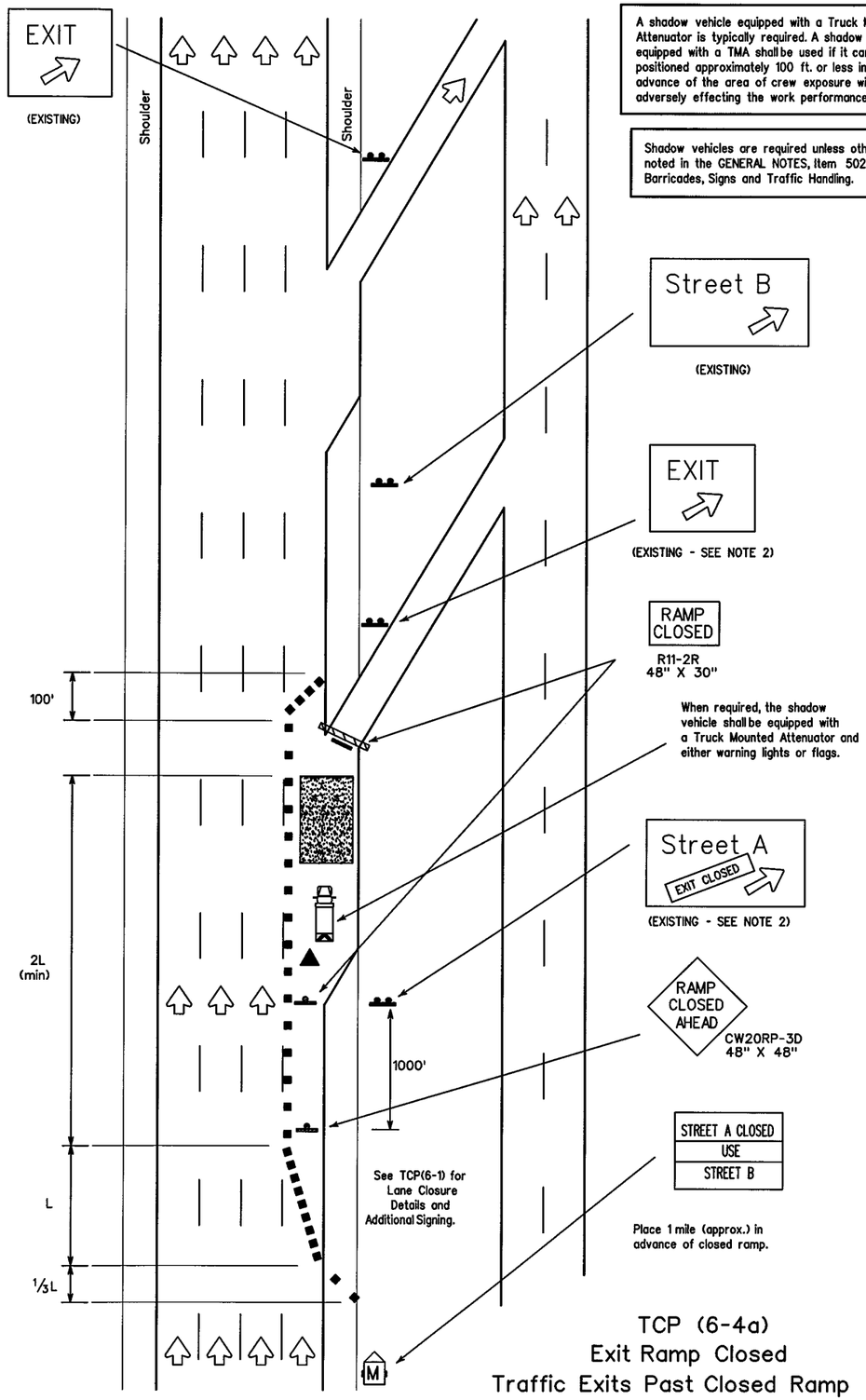
| REVISIONS | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| 1-97 | CONT | SECT | JOB | HIGHWAY |
| 4-98 | 0014 | 16 | 255, ETC. | IH 35W |
| 8-98 | DIST | | COUNTY | SHEET NO. |
| | FTW | | TARRANT | 661 |

DATE:
FILE:

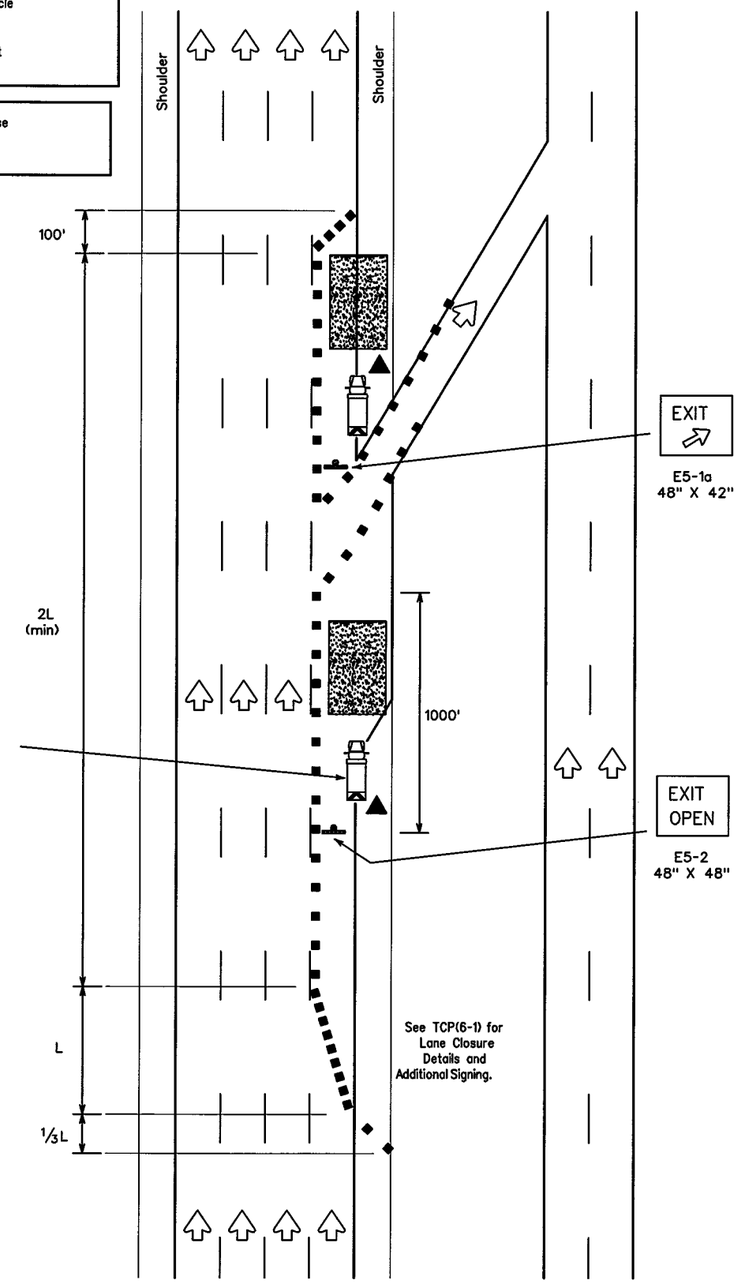
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

A shadow vehicle equipped with a Truck Mounted Attenuator is typically required. A shadow vehicle equipped with a TMA shall be used if it can be positioned approximately 100 ft. or less in advance of the area of crew exposure without adversely effecting the work performance.

Shadow vehicles are required unless otherwise noted in the GENERAL NOTES, Item 502, Barricades, Signs and Traffic Handling.




TCP (6-4a)
Exit Ramp Closed
Traffic Exits Past Closed Ramp




TCP (6-4b)
Exit Ramp Open

LEGEND

- Type III Barricade
- Channelizing Devices
- Flag
- Heavy Work Vehicle
- Truck Mounted Attenuator
- Trailer Mounted Flashing Arrow Panel
- Portable Changeable Message Sign
- Flagger
- Sign Post

| Posted Speed | Formula | Minimum Desirable Taper Lengths ** 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Device On a Taper | On a Tangent |
|---|---|---|---|---|---|---|
| 30 | $L = \frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60'-75' |
| 35 | | 205' | 225' | 245' | 35' | 70'-90' |
| 40 | | 265' | 295' | 320' | 40' | 80'-100' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90'-110' |
| 50 | | 500' | 550' | 600' | 50' | 100'-125' |
| 55 | | 550' | 605' | 660' | 55' | 110'-140' |
| 60 | | 600' | 660' | 720' | 60' | 120'-150' |
| 65 | | 650' | 715' | 780' | 65' | 130'-165' |
| 70 | | 700' | 770' | 840' | 70' | 140'-175' |

** Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.) S=Posted Speed (MPH)

| TYPICAL USAGE: | | | | |
|---|---|---|---|---|
| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
| | ✓ | ✓ | | |

GENERAL NOTES:

1. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans.
2. Existing exit gore, exit direction, and advance guide signs not in use should be covered, removed or EXIT CLOSED (CW26-1T) sign attached.
3. See BC Standards for sign details.

Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:

Standards Engineer
Traffic Operations Division - TE
Texas Department of Transportation
125 East 11th Street
Austin, Texas 78701-2483
Phone (512) 416-3335
Fax (512) 416-3161
E-mail TRF-STANDARD@mailgw.dot.state.tx.us

ADDITIONAL REQUIREMENTS FOR LANE CLOSURES AND ADVANCE SIGNING SHALL BE AS SHOWN ON TCP (6-1) OR AS DIRECTED BY THE ENGINEER.

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN

## TCP(6-4)-98A

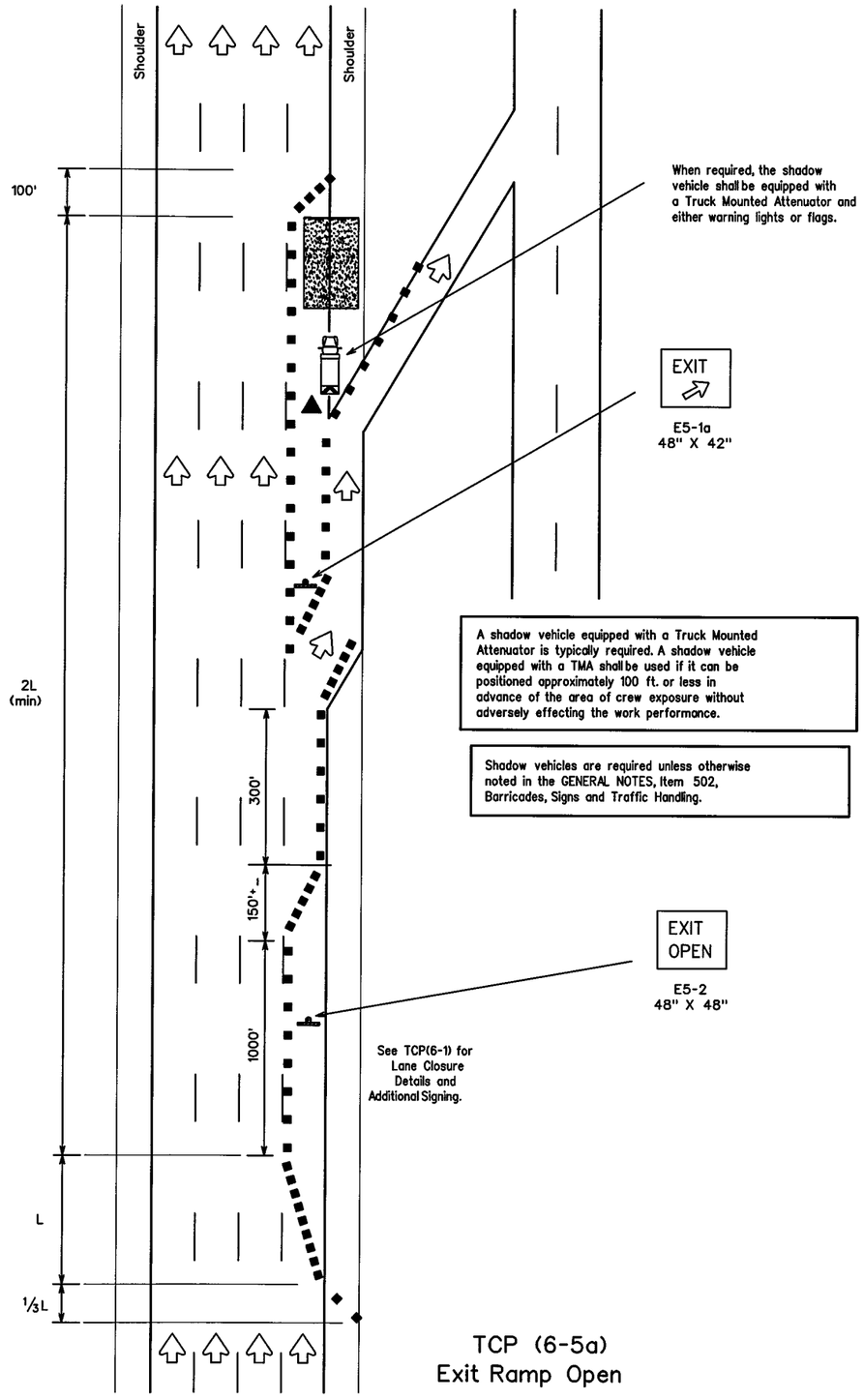
© TxDOT Feburary 1994

| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| CONT | SECT | JOB | HIGHWAY |
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 662 |

REVISIONS
1-97
4-98
8-98

DATE:
FILE:

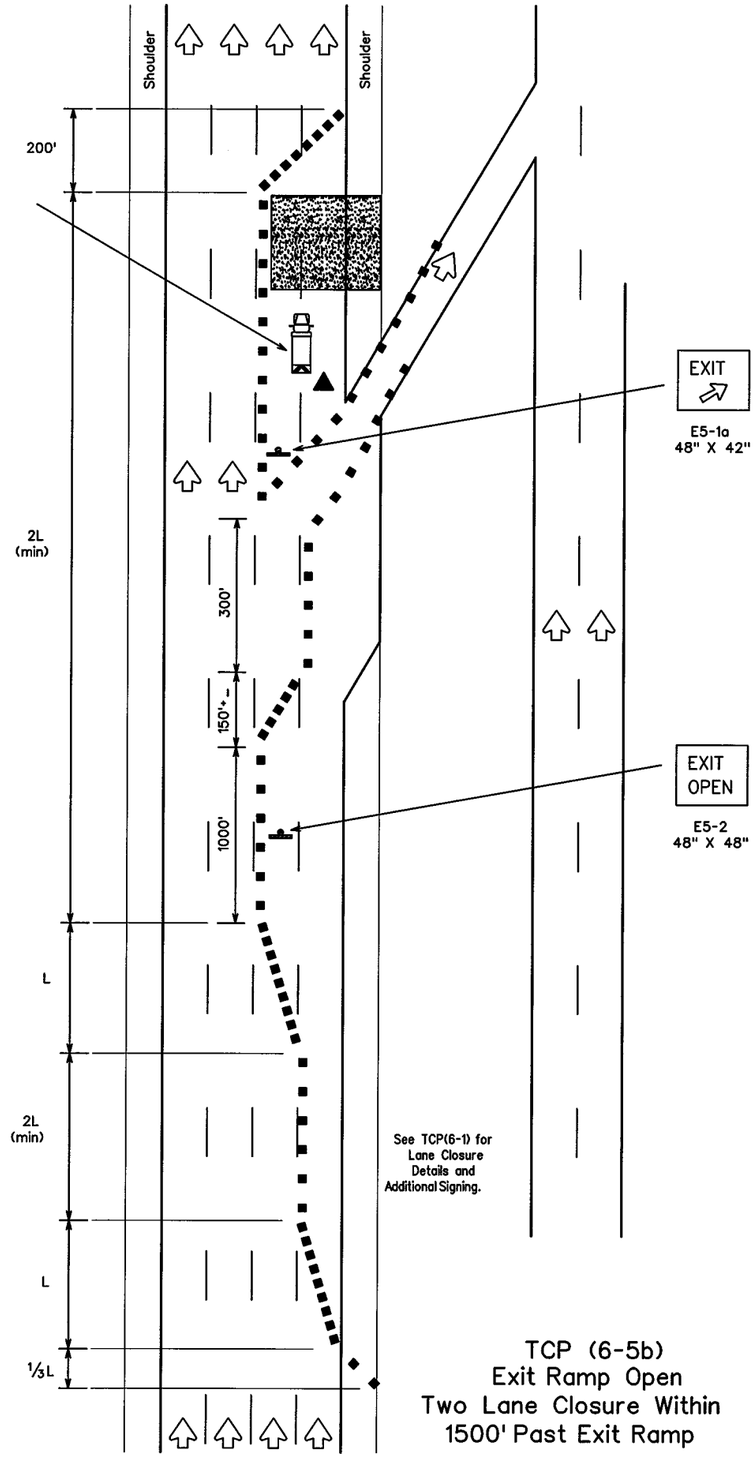
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.




A shadow vehicle equipped with a Truck Mounted Attenuator is typically required. A shadow vehicle equipped with a TMA shall be used if it can be positioned approximately 100 ft. or less in advance of the area of crew exposure without adversely effecting the work performance.

Shadow vehicles are required unless otherwise noted in the GENERAL NOTES, Item 502, Barricades, Signs and Traffic Handling.

TCP (6-5a)
Exit Ramp Open




TCP (6-5b)
Exit Ramp Open
Two Lane Closure Within
1500' Past Exit Ramp

LEGEND

Type III Barricade
Channelizing Devices
Flag
Heavy Work Vehicle
Truck Mounted Attenuator
Trailer Mounted Flashing Arrow Panel
Portable Changeable Message Sign
Flagger
Sign Post

| Posted Speed | Formula | Minimum Desirable Taper Lengths ** 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Device On a Taper | On a Tangent |
|---|---|---|---|---|---|---|
| 30 | $L=\frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60'-75' |
| 35 | | 205' | 225' | 245' | 35' | 70'-90' |
| 40 | | 265' | 295' | 320' | 40' | 80'-100' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90'-110' |
| 50 | | 500' | 550' | 600' | 50' | 100'-125' |
| 55 | | 550' | 605' | 660' | 55' | 110'-140' |
| 60 | | 600' | 660' | 720' | 60' | 120'-150' |
| 65 | | 650' | 715' | 780' | 65' | 130'-165' |
| 70 | | 700' | 770' | 840' | 70' | 140'-175' |

** Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.) S=Posted Speed (MPH)

| TYPICAL USAGE: | | | | |
|---|---|---|---|---|
| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
| | ✓ | ✓ | | |

GENERAL NOTES

1. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans.
2. See BC standards for sign details.

Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:

Standards Engineer
Traffic Operations Division - TE
Texas Department of Transportation
125 East 11th Street
Austin, Texas 78701-2483
Phone (512) 416-3335
Fax (512) 416-3161
E-mail TRF-STANDARD@mailgw.dot.state.tx.us

ADDITIONAL REQUIREMENTS FOR LANE CLOSURES AND ADVANCE SIGNING SHALL BE AS SHOWN ON TCP (6-1) OR AS DIRECTED BY THE ENGINEER.

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN

## TCP(6-5)-98A

©TxDOT Feburary 1994

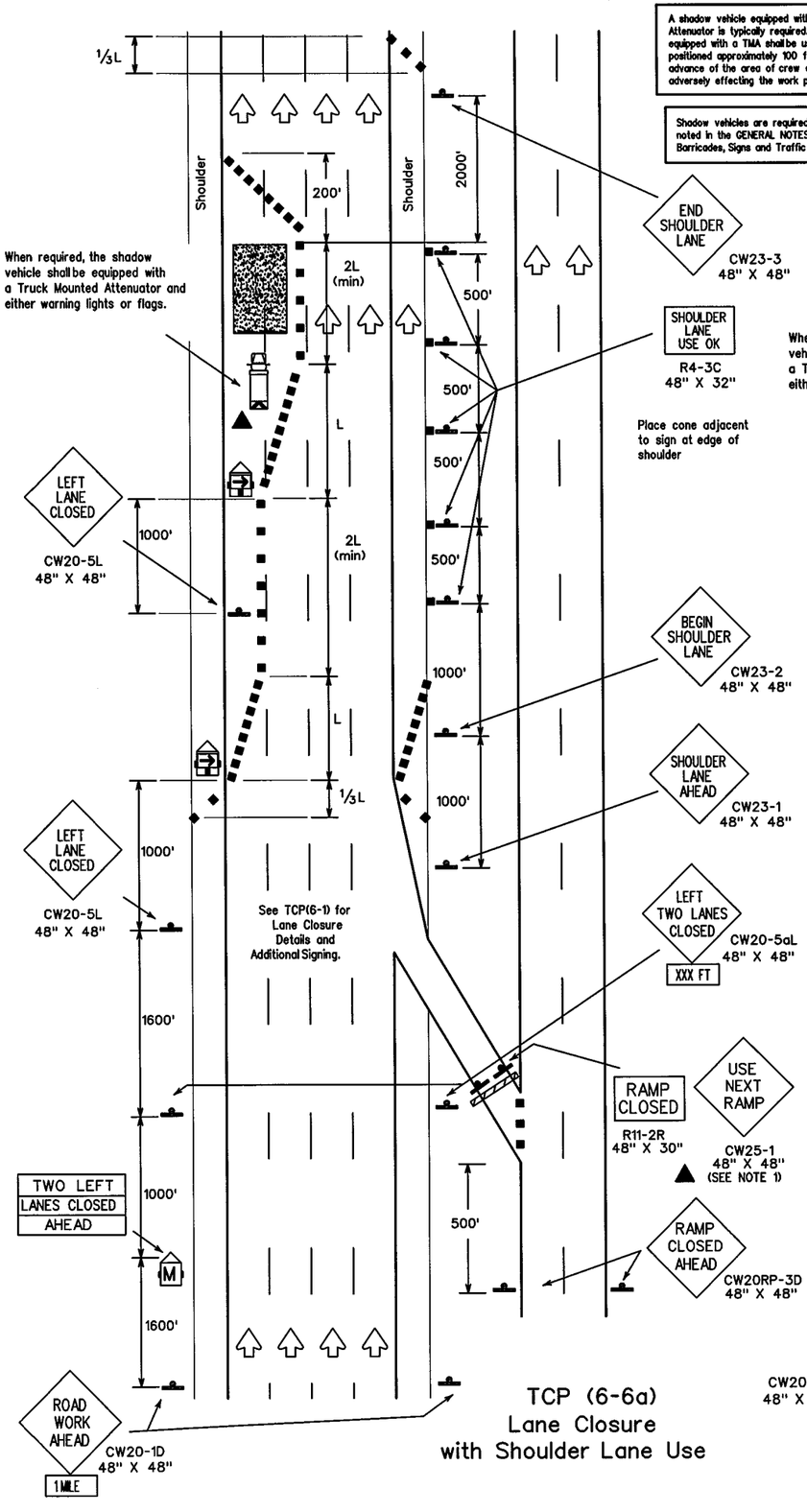
| REVISIONS | DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|---|
| 1-97 | CONT | SECT | JOB | HIGHWAY |
| 4-98 | 0014 | 16 | 255, ETC. | IH 35W |
| 8-98 | DIST | | COUNTY | SHEET NO. |
| | FTW | | TARRANT | 663 |

DATE:
FILE:

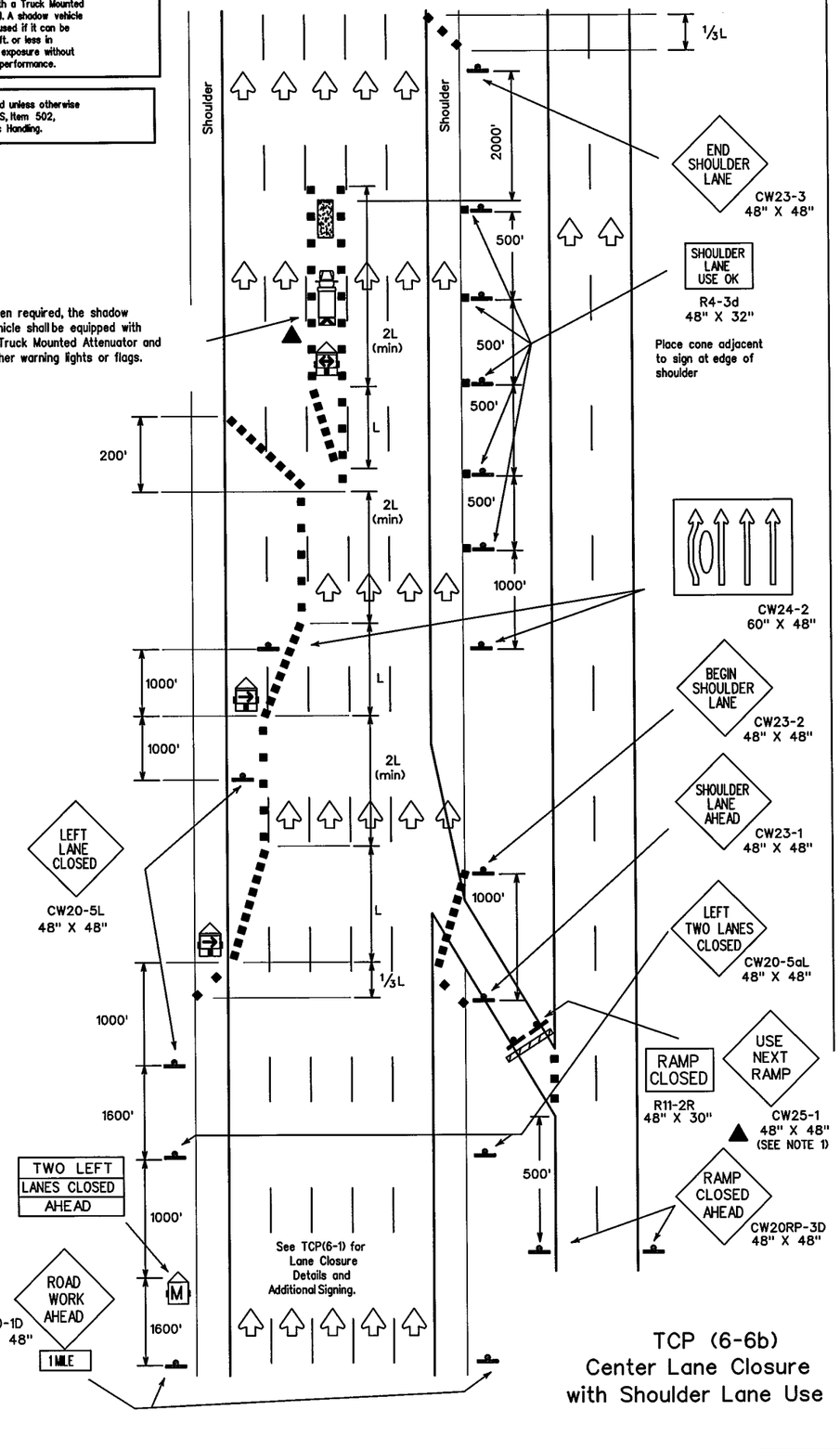
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

A shadow vehicle equipped with a Truck Mounted Attenuator is typically required. A shadow vehicle equipped with a TMA shall be used if it can be positioned approximately 100 ft. or less in advance of the area of crew exposure without adversely effecting the work performance.

Shadow vehicles are required unless otherwise noted in the GENERAL NOTES, Item 502, Barricades, Signs and Traffic Handling.




TCP (6-6a)
Lane Closure
with Shoulder Lane Use




TCP (6-6b)
Center Lane Closure
with Shoulder Lane Use

LEGEND

- Type III Barricade
- Channelizing Devices
- Flag
- Heavy Work Vehicle
- Truck Mounted Attenuator
- Trailer Mounted Flashing Arrow Panel
- Portable Changeable Message Sign
- Flagger
- Sign Post

| Posted Speed | Formula | Minimum Desirable Taper Lengths ** 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Device On a Taper | On a Tangent |
|---|---|---|---|---|---|---|
| 30 | $L = \frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60'-75' |
| 35 | | 205' | 225' | 245' | 35' | 70'-90' |
| 40 | | 265' | 295' | 320' | 40' | 80'-100' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90'-110' |
| 50 | | 500' | 550' | 600' | 50' | 100'-125' |
| 55 | | 550' | 605' | 660' | 55' | 110'-140' |
| 60 | | 600' | 660' | 720' | 60' | 120'-150' |
| 65 | | 650' | 715' | 780' | 65' | 130'-165' |
| 70 | | 700' | 770' | 840' | 70' | 140'-175' |

** Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.) S=Posted Speed (MPH)

| TYPICAL USAGE: | | | | |
|---|---|---|---|---|
| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
| | ✓ | ✓ | | |

GENERAL NOTES:

1. All traffic control devices illustrated are REQUIRED, except those denoted with the traingle symbol may be omitted when stated elsewhere in the plans.
2. See BC Standards for additional sign details.

Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:

Standards Engineer
Traffic Operations Division - TE
Texas Department of Transportation
125 East 11th Street
Austin, Texas 78701-2483
Phone (512) 416-3335
Fax (512) 416-3161
E-mail TRF-STANDARD@mailgw.dot.state.tx.us

ADDITIONAL REQUIREMENTS FOR LANE CLOSURES AND ADVANCE SIGNING SHALL BE AS SHOWN ON TCP (6-1) OR AS DIRECTED BY THE ENGINEER.

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN

## TCP(6-6)-98A

© TxDOT Feburary 1994

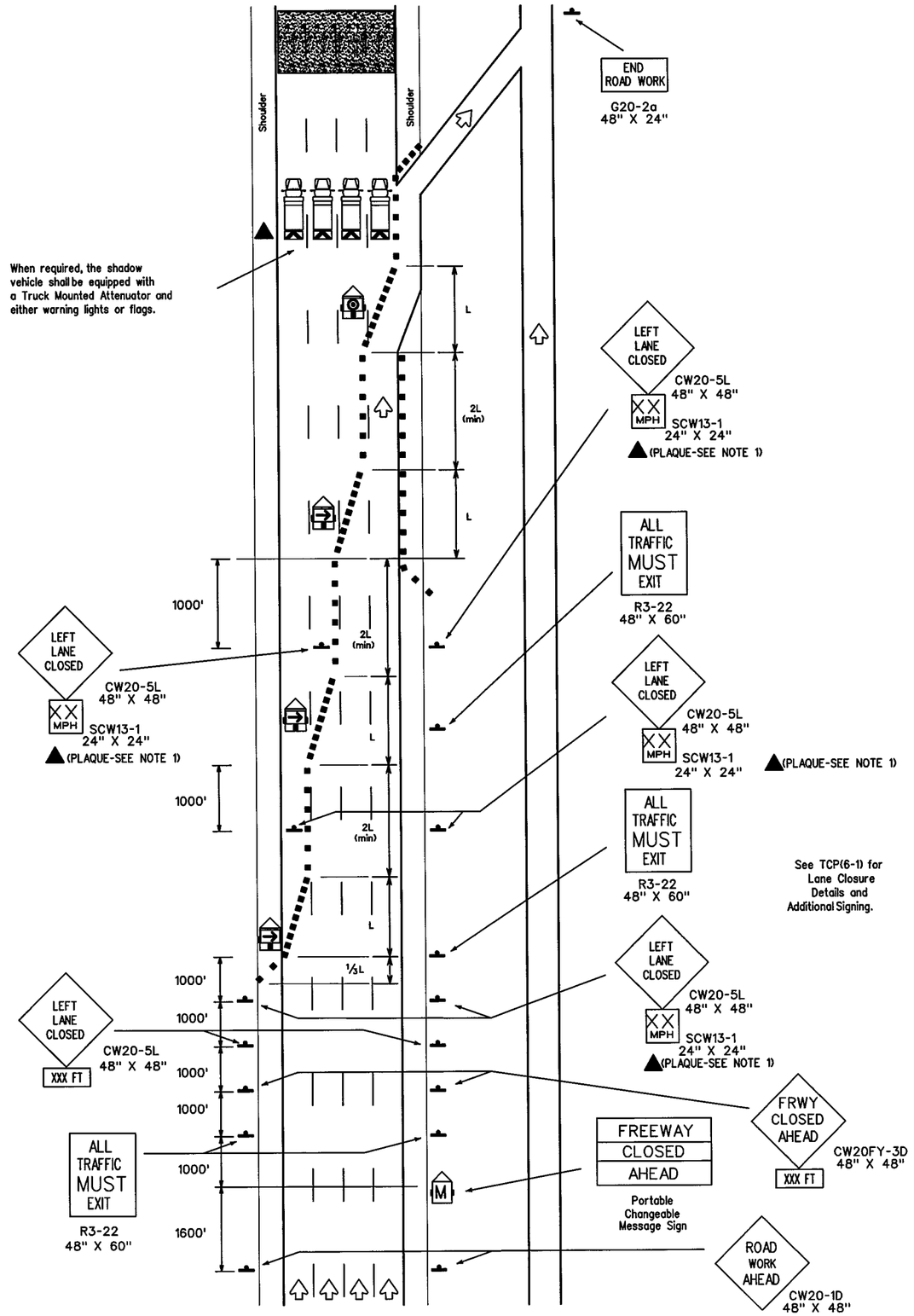
| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| CONT | SECT | JOB | HIGHWAY |
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 664 |

REVISIONS
1-97
4-98
8-98

DATE:
FILE:

A shadow vehicle equipped with a Truck Mounted Attenuator is typically required. A shadow vehicle equipped with a TMA shall be used if it can be positioned approximately 100 ft. or less in advance of the area of crew exposure without adversely effecting the work performance.

Shadow vehicles are required unless otherwise noted in the GENERAL NOTES, Item 502, Barricades, Signs and Traffic Handling.




See TCP(6-1) for Lane Closure Details and Additional Signing.

TCP (6-7)
Complete Freeway Closure

LEGEND

Type III Barricade
Channelizing Devices
Flag
Heavy Work Vehicle
Truck Mounted Attenuator
Trailer Mounted Flashing Arrow Panel (arrow mode)
Portable Changeable Message Sign
Trailer Mounted Flashing Arrow Panel (caution mode)
Flagger
Sign Post

| Posted Speed | Formula | Minimum Desirable Taper Lengths ** 10' Offset | 11' Offset | 12' Offset | Suggested Maximum Spacing of Device On a Taper | On a Tangent |
|---|---|---|---|---|---|---|
| 30 | $L = \frac{WS^2}{60}$ | 150' | 165' | 180' | 30' | 60'-75' |
| 35 | | 205' | 225' | 245' | 35' | 70'-90' |
| 40 | | 265' | 295' | 320' | 40' | 80'-100' |
| 45 | L=WS | 450' | 495' | 540' | 45' | 90'-110' |
| 50 | | 500' | 550' | 600' | 50' | 100'-125' |
| 55 | | 550' | 605' | 660' | 55' | 110'-140' |
| 60 | | 600' | 660' | 720' | 60' | 120'-150' |
| 65 | | 650' | 715' | 780' | 65' | 130'-165' |
| 70 | | 700' | 770' | 840' | 70' | 140'-175' |

** Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.) S=Posted Speed (MPH)

| TYPICAL USAGE: | | | | |
|---|---|---|---|---|
| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
| | ✓ | ✓ | | |

GENERAL NOTES:

1. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans.

**Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:**


**Standards Engineer**
**Traffic Operations Division - TE**
**Texas Department of Transportation**
**125 East 11th Street**
**Austin, Texas 78701-2483**
**Phone (512) 416-3335**
**Fax (512) 416-3161**
**E-mail TRF-STANDARD@mailgw.dot.state.tx.us**


ADDITIONAL REQUIREMENTS FOR LANE CLOSURES AND ADVANCE SIGNING SHALL BE AS SHOWN ON TCP (6-1) OR AS DIRECTED BY THE ENGINEER.

*Texas Department of Transportation*
*Traffic Operations Division*

# TRAFFIC CONTROL PLAN
# FREEWAY CLOSURE

## TCP(6-7)-98A


DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.



© TxDOT Feburary 1994

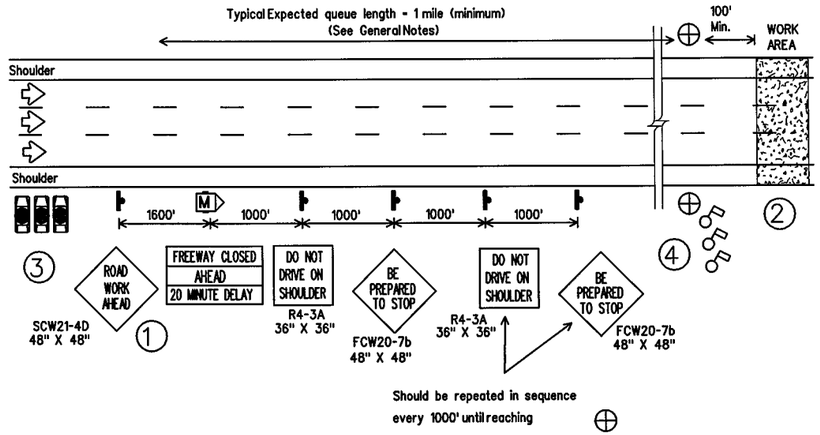

| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| CONT | SECT | JOB | HIGHWAY |
| 0014 | 16 | 255, ETC. | IH 35W |
| DIST | | COUNTY | SHEET NO. |
| FTW | | TARRANT | 665 |

REVISIONS
1-97
4-98
8-98

DATE:
FILE:

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

## 1 STARTING POSITIONS




STARTING POSITION

(1) Traffic control devices should be installed or located near their intended position prior to beginning temporary roadway closure sequence. Duplicate signs should be erected on the median side of the roadway when median width permits and traffic density justifies the signing. To allow movement of workers, equipment, and law enforcement officer vehicles (LEOV), warning signs should not be placed on the shoulders.

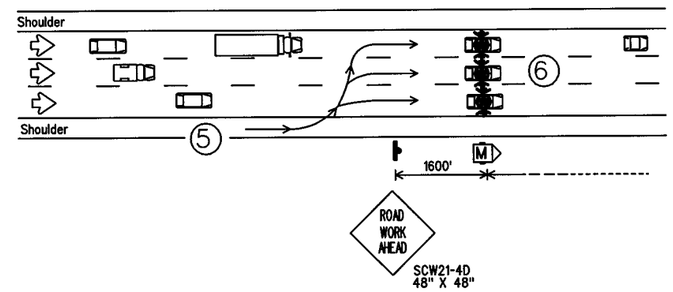
(2) Prior to beginning the roadway closure sequence, all equipment, materials, personnel, and other items necessary to complete the work should be gathered near the work area. Entrance ramps located in area where queue is expected to build should be closed.

(3) A minimum number of uniformed law enforcement officers and vehicles (LEOV) should be present:

| Number of Lanes | Minimum LEOV |
|---|---|
| 2 | 2 |
| 3 | 2 |
| 4 | 3 |
| 5 | 4 |
| 6 | 5 |

(4) A minimum of one (1) flagger per lane is typically required for each lane of roadway to be closed. Flaggers should be placed at the CONTROL POSITION (CP) approximately 100 feet or more in advance of the work area. Use of the SLOW/STOP paddle is recommended. Flaggers should typically be at the CP as shown before the LEOV proceeds onto the roadway.

## 2 REDUCING SPEED OPERATIONS

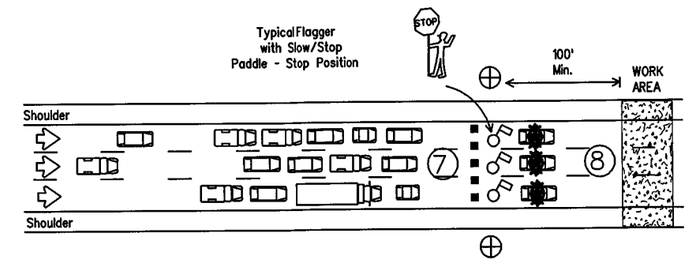



REDUCING SPEED OPERATION

(5) Starting position of the LEOV should be in advance of the most distant warning sign(s).

(6) Once the LEOV has achieved an abreast blocking formation while traveling toward the CP, emergency lights and headlights should be turned "ON". LEOV should maintain formation, not allow any traffic to pass, and begin to decelerate. LEOV should continue forward, gradually decelerating until all traffic is stopped at the CP as indicated by the flaggers.

## 3 ALL TRAFFIC STOPPED AT CP




ALL TRAFFIC STOPPED AT THE CONTROL POSITION

(7) Once the lead vehicles of traffic have stopped, CP flaggers may enter the roadway behind the LEOV and instruct traffic to remain stopped until further notice. Channelization devices may be placed in the travel lanes to prevent forward movement of traffic. Flaggers should face traffic and use the STOP paddle.

(8) One LEOV should remain in the roadway at the CP, with emergency lights and headlights "ON", and maintain radio contact with WARNING LEOV.

## LEGEND

- Channelization Device
- Flagger
- Control Position (CP)
- Portable Changeable Message Sign
- Law Enforcement Officer's Vehicle (LEOV)

**Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:**

**Standards Engineer**
**Traffic Operations Division - TE**
**Texas Department of Transportation**
**125 East 11th Street**
**Austin, Texas 78701-2483**
**Phone (512) 416-3335**
**Fax (512) 416-3161**
**E-mail TRF-STANDARD@mailgw.dot.state.tx.us**

| TYPICAL USAGE: | | | | |
|---|---|---|---|---|
| MOBILE | SHORT DURATION | SHORT TERM STATIONARY | INTERMEDIATE TERM STATIONARY | LONG TERM STATIONARY |
| | ✓ | ✓ | | |

GENERAL NOTES

All traffic control devices shall conform with the Texas "Manual on Uniform Traffic Control Devices for Streets and Highways" (TMUTCD), latest edition, and any approved changes thereto. Additional guidelines for traffic control devices may be found in the TMUTCD. Signs conflicting with the roadway closure sequence should be completely covered or removed. Additional traffic control devices may be required for closure of access roads, cross streets, exit and entrance ramps as directed by the Engineer.

Flaggers, law enforcement officers, and workers should review and understand all procedures before roadway closure sequence begins. Local emergency services and media should have advance notification of roadway closure, expected dates and approximate times of closure(s).

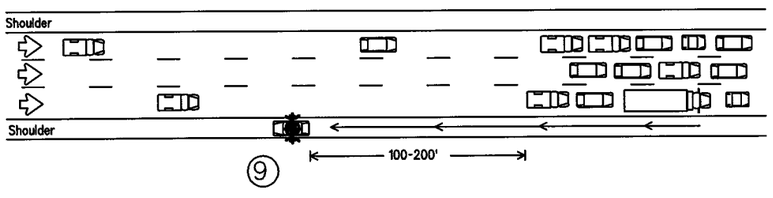
Law enforcement officers shall be in uniform and have jurisdiction in the locale of the work area. An additional WARNING LEOV may be used on the median side of the roadway when median shoulder width permits (see 9 ).

Work should be limited to 20 minutes maximum duration. Roadway closure should be during off-peak hours, as shown in the plans, or as directed by the Engineer. If work is not complete within 20 minutes, or if the end of the traffic queue extends past the most distant advance warning sign, the work area should be cleared of all equipment, materials, personnel, and other items, and the roadway reopened. When the queue has dissipated and traffic flow appears normal, the roadway closure sequence may be repeated.

For traffic volumes greater than 1000 Passenger Car Per Hour Per Lane (PCPHPL), or for roadway closures that exceed the 20 minute maximum, see detail elsewhere in the plans.

When possible, changeable message signs should be located in advance of the last available exit prior to the lane closure to allow motorists the choice of an alternate route.

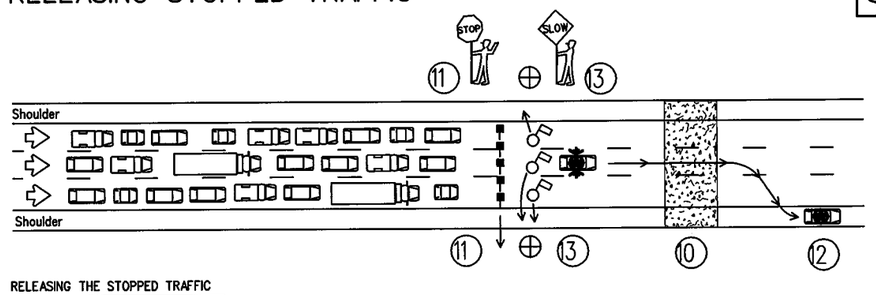
## 4 WARNING THE TRAFFIC QUEUE




WARNING THE TRAFFIC QUEUE

(9) The WARNING LEOV should proceed to the right shoulder of the roadway, with emergency lights and headlights "ON", and proceed 100-200 feet in advance of the traffic queue (stopped traffic) as the queue develops. When determined that limited sight distance situations may occur to motorists approaching the queue (crest of hills, sharp roadway curvatures, etc.), the WARNING LEOV may proceed 500-1000 feet in advance of the queue.

## 5 RELEASING STOPPED TRAFFIC




RELEASING THE STOPPED TRAFFIC

(0) All equipment, materials, personnel, and other items should be removed from the roadway and maintain an adequate clear zone.

(1) CP flaggers should remove channelization devices from the roadway, and remain on the shoulders with the STOP paddle facing traffic.

(2) CP LEOV should move to the shoulder with emergency light and headlights "OFF".

(3) CP flaggers should motion the traffic to proceed with the SLOW paddle facing traffic.

(4) LEOV and flaggers should re-group at starting positions if necessary.

Texas Department of Transportation
Traffic Operations Division

# TRAFFIC CONTROL PLAN FREEWAY (DAYTIME ONLY) CLOSURE SEQUENCE

## TCP(6-8)-98

©TxDOT Feburary 1994

| DN: TXDOT | CK: TXDOT | DW: TXDOT | CK: TXDOT |
|---|---|---|---|
| REVISIONS 1-97 4-98 | CONT 0014 | SECT 16 | JOB 255, ETC. | HIGHWAY IH 35W |
| | DIST FTW | COUNTY TARRANT | SHEET NO. 666 |

DATE:
FILE:

**INTENTIALLY LEFT BLANK**

I. S. ENGINEERS, LLC

TBPE REG. # F-11657

Texas Department of Transportation

© 2012

IH 35W FROM NORTH TARRANT PKWY TO IH 820

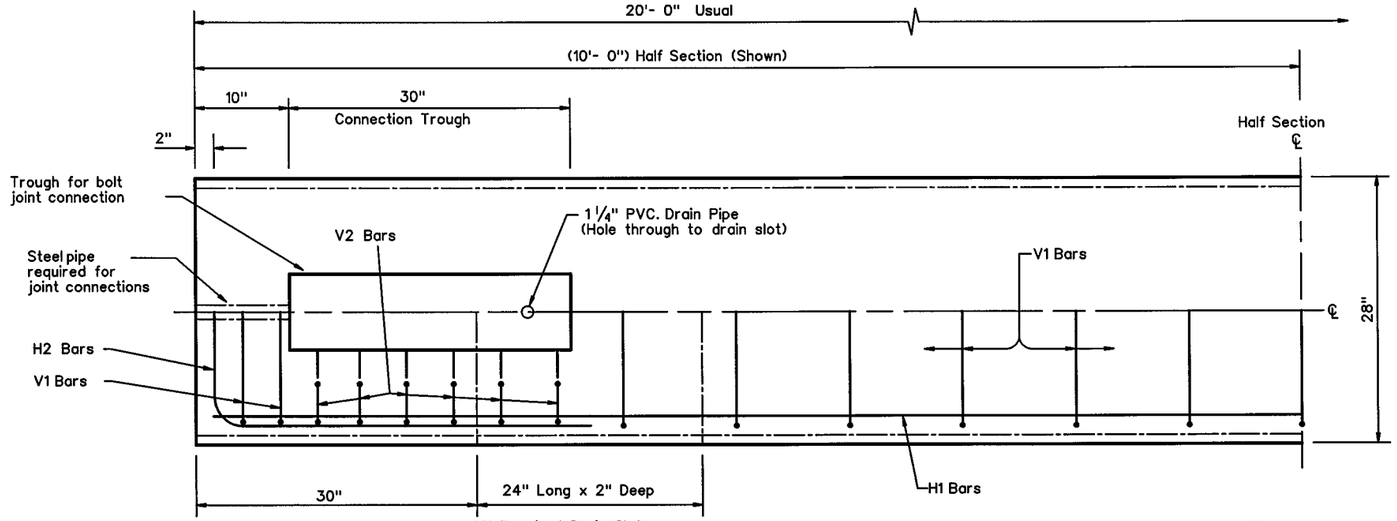
**OMITTED**

SHEET 1 OF 1

| DESIGN | FED.RD. DIV.NO. | FEDERAL AID PROJECT NO. | | HIGHWAY NO. |
|---|---|---|---|---|
| GRAPHICS | 6 | (SEE TITLE SHEET) | | IH 35W |
| | STATE | DISTRICT | COUNTY | SHEET NO. |
| CHECK | TEXAS | FTW | TARRANT | |
| CHECK | CONTROL | SECTION | JOB | 667 |
| | 0014 | 16 | 255, ETC. | |

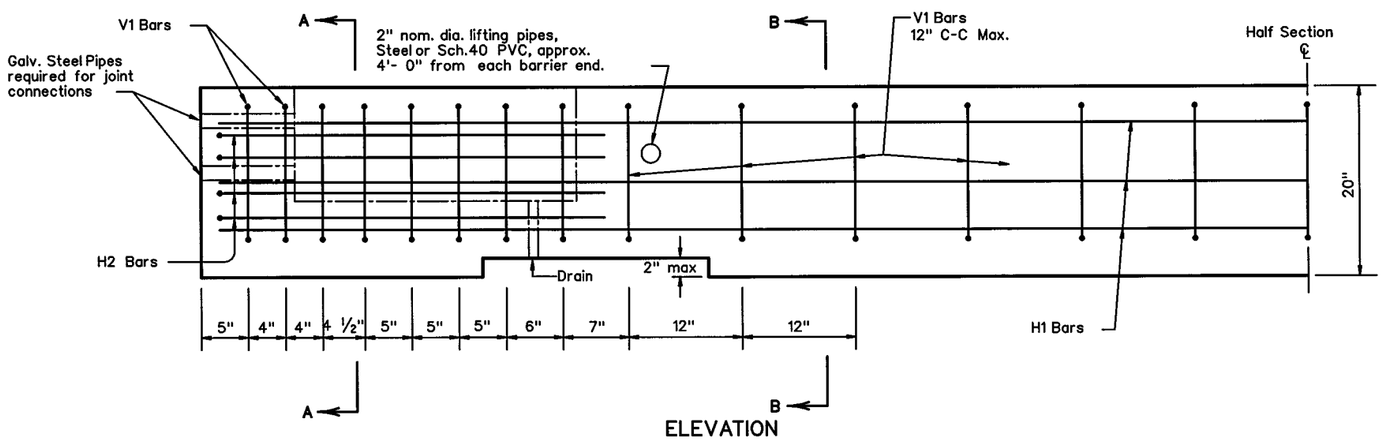
FILENAME: wzbrk2.dgn

DRAWING DATE: 8/28/2012

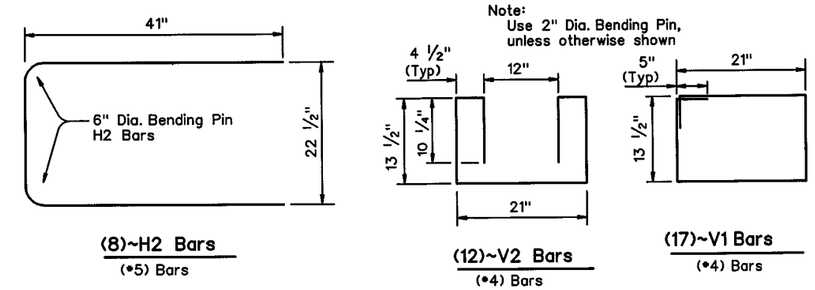



NOTE: CONCRETE ON BOTTOM HALF OF PLAN VIEW IS REMOVED IN ORDER TO SHOW DETAILS

## PLAN
## (TYPE 1) BARRIER SEGMENT
(SYMMETRICAL ABOUT CENTER LINES)




## ELEVATION
## (TYPE 1) BARRIER SEGMENT
(SYMMETRICAL ABOUT CENTER LINES)

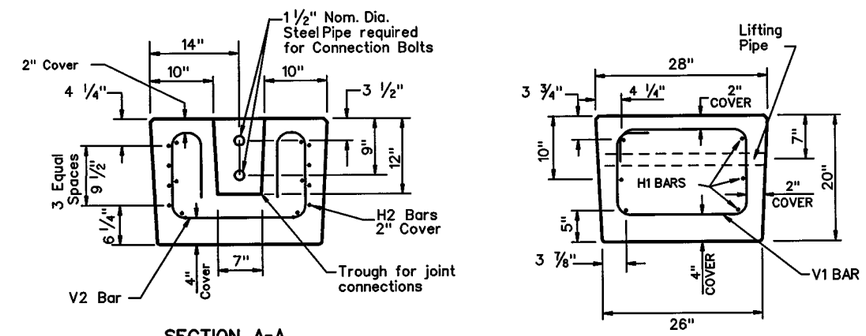



(8)~H2 Bars (•5) Bars

(12)~V2 Bars (•4) Bars

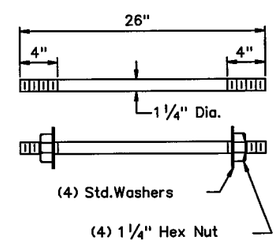
(17)~V1 Bars (•4) Bars

## REINFORCING STEEL DETAILS
TYPE 1 - BARRIER SEGMENT




SECTION A-A

SECTION B-B




## (2) CONNECTION BOLTS
ASTM A36

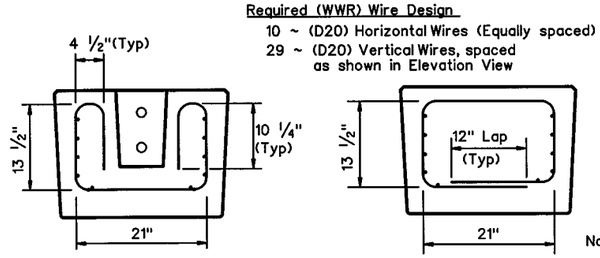
## GENERAL NOTES

1. Low Profile Concrete Barrier (LPCB), is approved for use in temporary work zone locations, where the posted speed is 45 mph, or less.
2. Concrete shall be Class H for precast barrier with a minimum compressive strength of 3,600 psi.
3. Where used, rebar reinforcement shall be Grade 60 and conform to ASTM A615.
4. Precast LPCB barrier length shall be 20 ft.
5. All barrier edges shall have 3/4" chamfer or a tooled radius.
6. Joint connection hardware shall be in accordance with Item 449, "Anchor Bolts." and is considered subsidiary.
7. Steel pipe required for joint connection bolts shall be galvanized in accordance with Item 445, "Galvanizing."
8. Welded wire reinforcement (WWR) may be used in lieu of conventional reinforcement for Type 1 barrier, and shall meet the requirements shown.

## FOR CONTRACTORS INFORMATION ONLY

| (TYPE 1) APPROX. QUANTITIES 20 FT. SECTION | | |
|---|---|---|
| CONCRETE | CY | 2.6 |
| REINFORCING STEEL | LBS | 330 |
| TOTAL BARRIER WT. | LBS | 11000 |

Required (WWR) Wire Design
10 ~ (D20) Horizontal Wires (Equally spaced)
29 ~ (D20) Vertical Wires, spaced as shown in Elevation View




SECTION A-A

SECTION B-B

### (WWR) General Notes

1. Deformed Welded Wire Reinforcement shall conform to ASTM A497.
2. Welded wire cage may be cut or bent, if necessary, but must be approved by the Engineer.
3. Combinations of reinforcing steel and WWR are permitted, as directed by the Engineer. The dimensions from the end of the barrier section to the first wire shall not exceed 3".

Note:
The (WWR) option is for use in place of V1, V2 and H1 Bars. The H2 Bars are still required.

## WELDED WIRE REINFORCEMENT (WWR)- OPTIONAL REINFORCING

SHEET 1 OF 2

Texas Department of Transportation
Design Division Standard

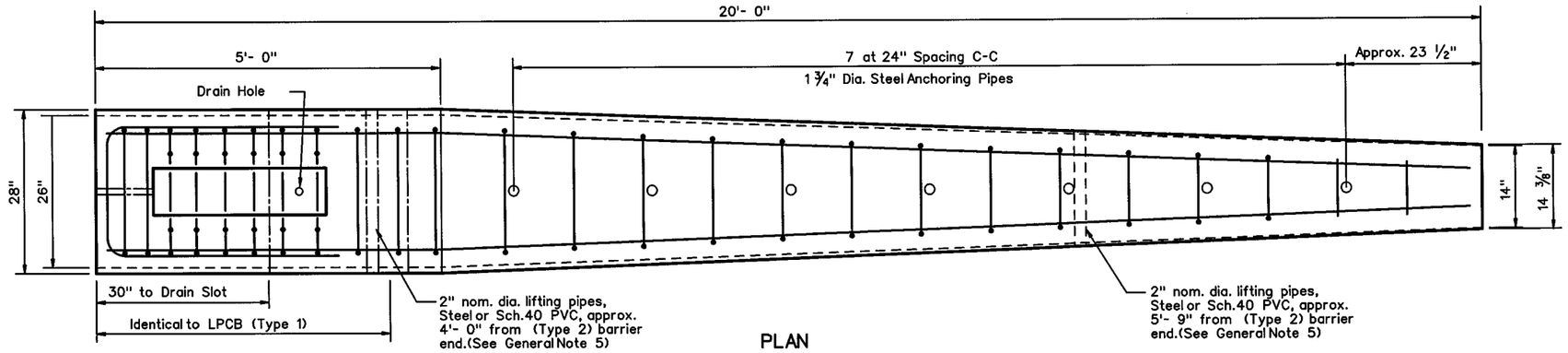
# LOW PROFILE CONCRETE BARRIER
## PRECAST BARRIER
## (TYPE 1)
# LPCB-10

| FILE: lpcb10.dgn | DN: TxDOT | CK: AM | DW: BD | CK: |
|---|---|---|---|---|
| ©TxDOT December 2010 | CONT | SECT | JOB | HIGHWAY |
| REVISIONS | 0014 | 16 | 255, ETC. | IH 35W |
| | DIST | | COUNTY | SHEET NO. |
| | FTW | | TARRANT | 668 |

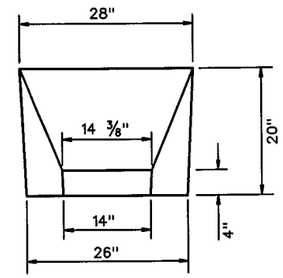
DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE:
FILE:

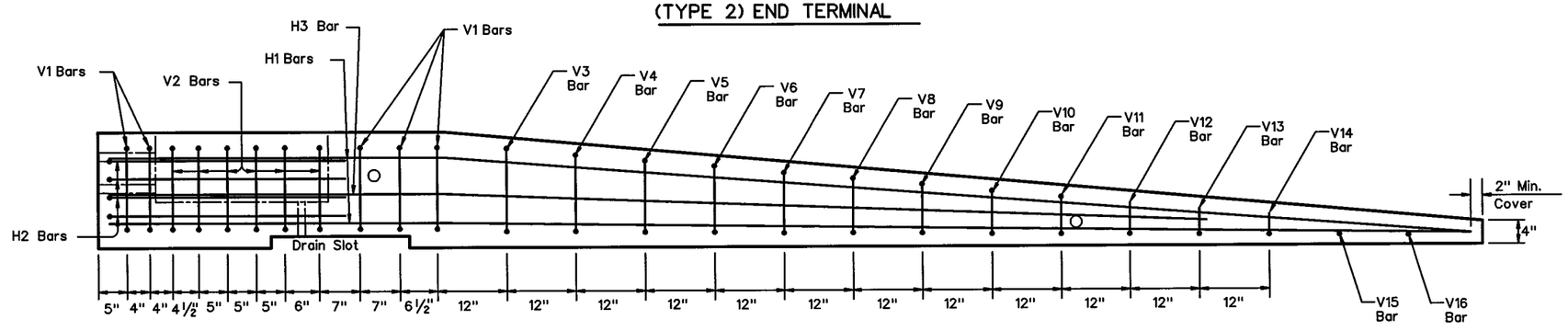
DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.




PLAN
(TYPE 2) END TERMINAL




APPROACH VIEW




ELEVATION
(TYPE 2) END TERMINAL

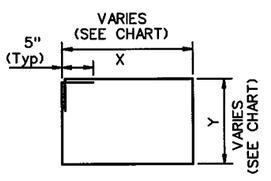
Note:
Anchoring pipes not shown in Elevation View

## TYPE 2 - NOTES

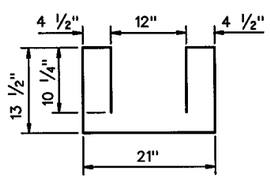
1. Welded wire reinforcment (WWR) is "not" an option for Type 2 Barrier.
2. Type 2 Barrier shall be used as an end treatment for the Type 1 barrier segments, when applicable.
3. The anchor pins are all the same length and are to be driven flush with the top of the (Type 2) barrier surface.
4. The bends in the H3 and H1 bars are slight, no formal bend is necessary.
5. The Type 2 barrier segment must be lifted from the rear first, to prevent cracking of sloped section.
6. See LPCB sheet 1 for additional information.

FOR CONTRACTORS INFORMATION ONLY

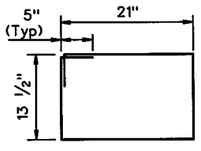
| (TYPE 2) APPROX. QUANTITIES 20 FT. SECTION | | |
|---|---|---|
| CONCRETE | CY | 1.65 |
| REINFORCING STEEL | LBS | 240 |
| TOTAL BARRIER WT. | LBS | 7000 |



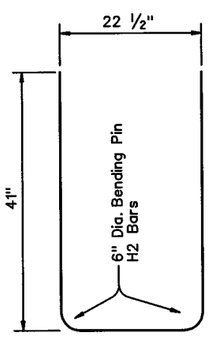

V3-V14 Bars



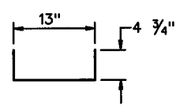

(6)~V2 Bars



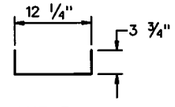

(5)~V1 Bars



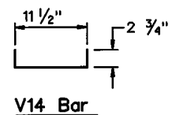

(4)~H2 Bars
(#5) Bars




V12 Bar

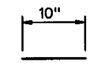



V13 Bar



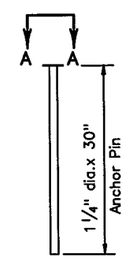

V14 Bar

V15 Bar

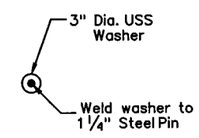



V16 Bar

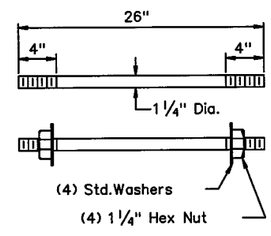
Note:
All V Bars are (#4)




(7) Anchor Pins
ASTM A36 Steel




Section A-A
(Head of Anchoring Pin)

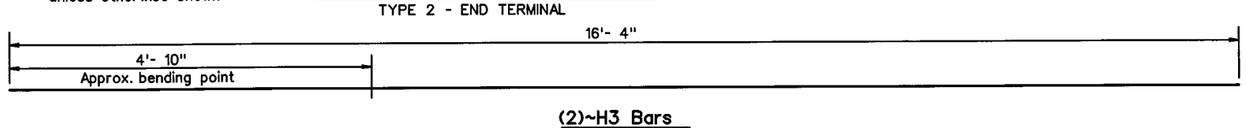



(2) CONNECTION BOLTS
ASTM A36

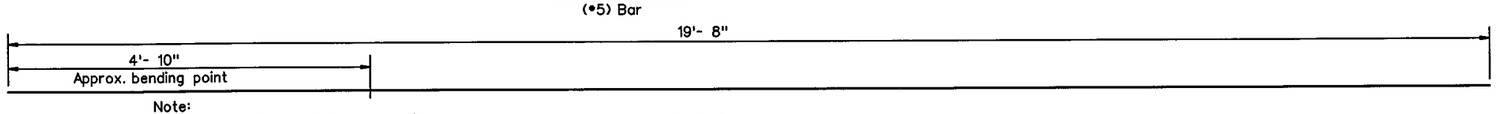
| BAR(#4) | X (IN.) | Y (IN.) |
|---|---|---|
| V3 BAR | 20 1/4 | 14 1/2 |
| V4 BAR | 19 1/2 | 13 1/2 |
| V5 BAR | 18 1/2 | 12 1/4 |
| V6 BAR | 17 1/2 | 11 1/4 |
| V7 BAR | 17 | 10 1/4 |
| V8 BAR | 16 1/4 | 9 |
| V9 BAR | 15 1/2 | 8 |
| V10 BAR | 14 1/2 | 7 |
| V11 BAR | 13 3/4 | 6 |

Note:
Use 2" Dia. Bending Pin, unless otherwise shown

REINFORCING STEEL DETAILS
TYPE 2 - END TERMINAL




(2)~H3 Bars
(#5) Bar




Note:
Bends on H1 and H3 bars are slight and do not require formal bends.

(4)~H1 Bars
(#5) Bar

SHEET 2 OF 2

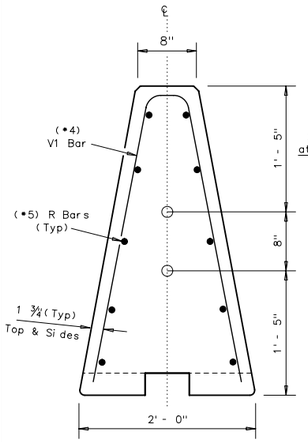
Texas Department of Transportation
Design Division Standard

# LOW PROFILE CONCRETE BARRIER
## PRECAST BARRIER (TYPE 2)
# LPCB-10

| FILE: lpcb10.dgn | DN: TxDOT | CK: AM | DW: BD | CK: |
|---|---|---|---|---|
| ©TxDOT December 2010 | CONT | SECT | JOB | HIGHWAY |
| REVISIONS | 0014 | 16 | 255, ETC. | IH 35W |
| | DIST | | COUNTY | SHEET NO. |
| | FTW | | TARRANT | 669 |

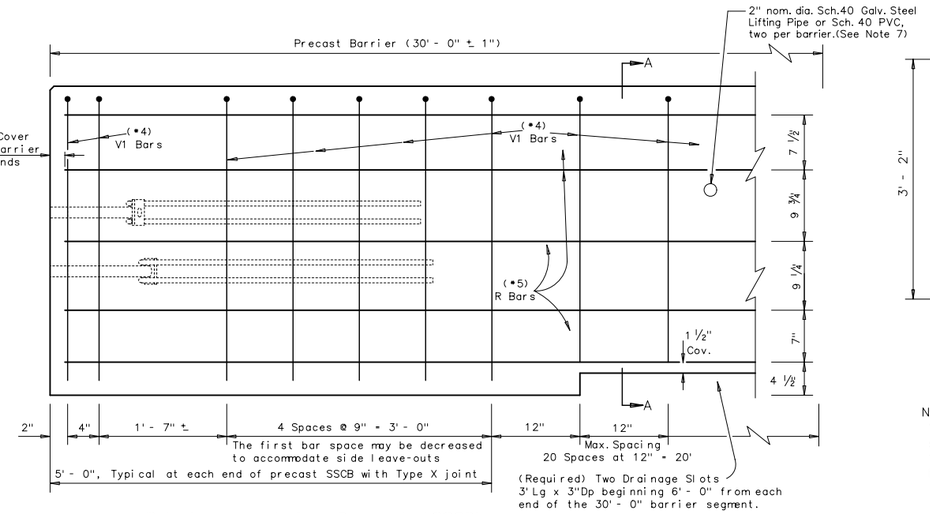
DATE:
FILE:

DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.



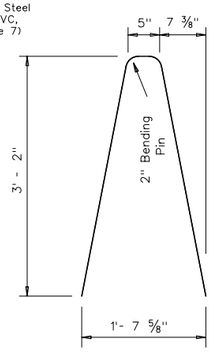

End View
Precast Barrier

Pipe locations for Joint Type X connection



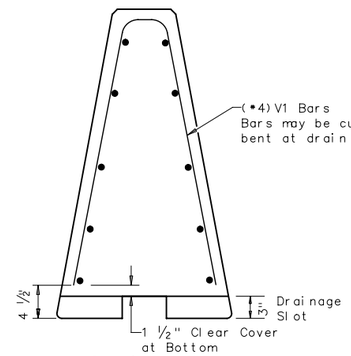

Reinforcement for Precast (SSCB)
Single Slope Concrete Barrier (Type 1)

Showing reinforcement for Joint Connection (Type X)



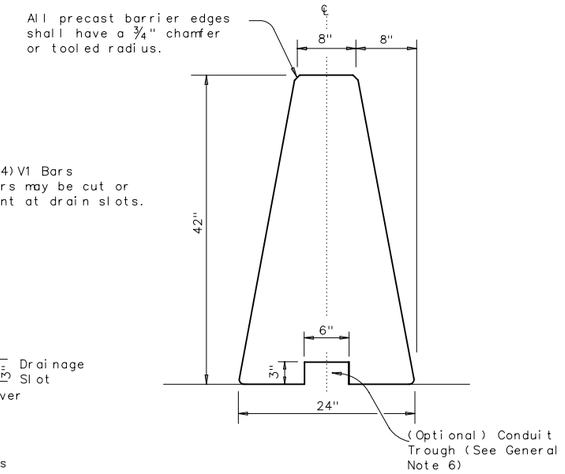

V1 Bar
•4 Rebar

Note:
V1 Bars above the drainage slots may bent to accomodate 1 ½" clear cover as directed by the Engineer.



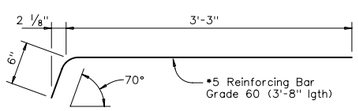

Section A-A

Steel Placement at (Required) Drainage Slots



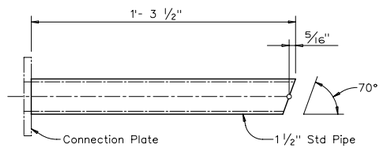

Single Slope Concrete Traffic Barrier

Precast SSCB barrier may be connected to cast-in-place SSBC. The joint connection "Types" may be used in the cast-in-place barrier, to match the precast barrier connection.



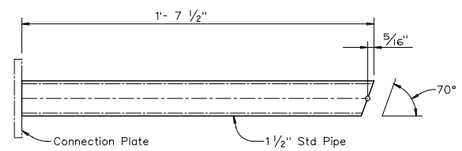

DEFORMED BAR ANCHOR DETAILS

Two (2) Bars required per assembly.
Eight (8) required per Joint.



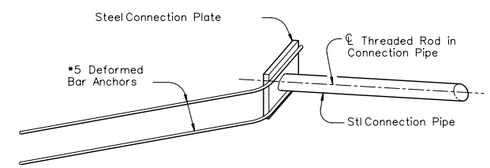

UPPER CONNECTION PIPE DETAILS

One (1) Steel Pipe required per Upper Assembly.
Two (2) required per Joint.




LOWER CONNECTION PIPE DETAILS

One (1) Steel Pipe required per Lower Assembly.
Two (2) required per Joint.

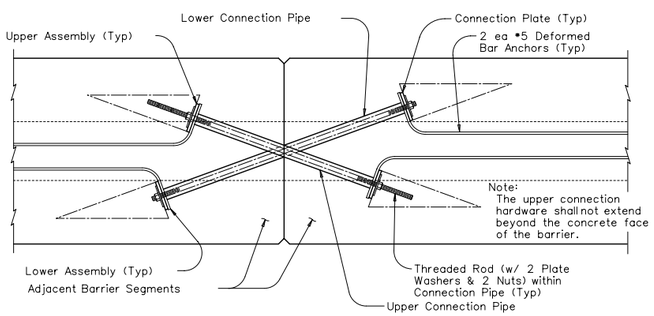



ISOMETRIC OF
TYPICAL WELDED ASSEMBLY

Four (4) [2 Upper & 2 Lower]
Assemblies required per Joint.

## General Notes

1. Concrete shall be Class H with a minimum compressive strength of 3,600 psi.
2. Where used, rebar reinforcement shall be Grade 60 and conform to ASTM A615.
3. Precast barrier length shall be 30 ft. unless otherwise specified on the plans.
4. All precast barrier edges shall have a ¾" chamfer or a tooled radius.
5. All concrete, reinforcement, joint connection systems, grout etc. as shown, are considered as part of the barrier payment.
6. Conduit trough when required shall be shown elsewhere on the plans, or as directed by the Engineer.
7. Regardless of the method of handling, barrier lifting points shall be approx. 7.5 feet from the ends of the barrier. Lifting devices and attachments to barrier sections shall be approved by the Engineer.
8. Surface finishing and grouting (where required) shall be two parts sand one part cement with enough water to make the mixture plastic. Grouting shall be done in a manner that will assure a smooth surface. Surface finishing shall be considered subsidiary to the various bid items.
9. All steel assemblies shall be galvanized after fabrication in accordance with Item 445,"Galvanizing."




TYPE X JOINT INSTALLATION DETAIL

Barrier reinforcing and Type X Joint Leave-Out dimensions not shown for clarity.

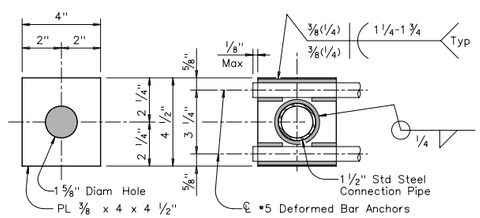
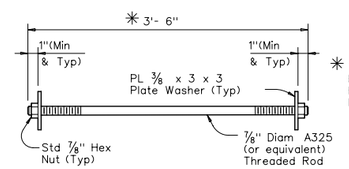



PLATE DIMENSIONS WELDING DETAILS

CONNECTION PLATE DETAILS

One (1) Plate required per assembly.
Four (4) required per Joint. All steel fittings for joint Type X shall be galvanized after fabrication in accordance with Item 445.

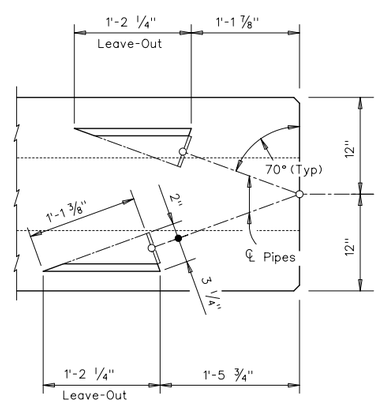



✳ The connection hardware shall not extend beyond the concrete face of the barrier. Hex head bolts may be provided. The proper length of all hardware should be verified.

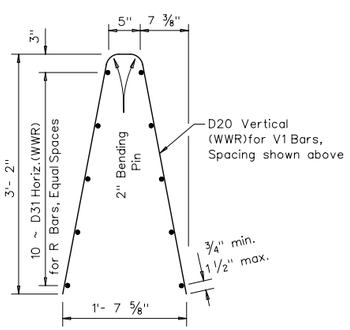
CONNECTION BOLT OR
THREADED ROD DETAIL

Two (2) Threaded Rods (Or Equivalent Hex Hd. Bolts)
(w/ Two (2) PL ⅜ x 3 x 3 Plate Washers & Two (2) Std Hex Nuts)
required per Joint.

Weight of one precast 30 ft. (SSCB) segment = Approx. 10.5 Tons or 717 lbs per ft.




BARRIER PLAN AT JOINT




## Welded Wire Reinforcement (WWR) Option for Bars R and V1

### (WWR) General Notes

1. Deformed Welded Wire Reinforcement (WWR) shall conform to ASTM A497.
2. Welded wire cage may be cut or bent to accommodate the Type X joint connection and drainage slots, as directed by the Engineer.
3. All reinforcement shall comply with Item 440, "Reinforcing Steel."
4. Combinations of reinforcing steel and WWR will be permitted, as directed by the Engineer. The dimension from the end of the barrier section to the first wire shall not exceed 3".

SHEET 1 OF 2

Texas Department of Transportation
Design Division Standard

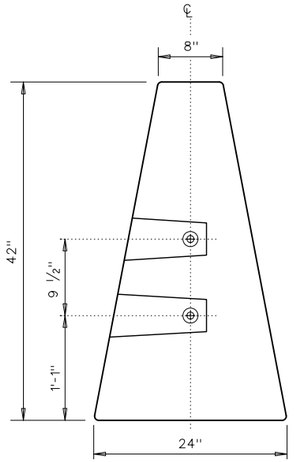
# SINGLE SLOPE CONCRETE BARRIER

PRECAST BARRIER
(TYPE 1)

SSCB(2)-10

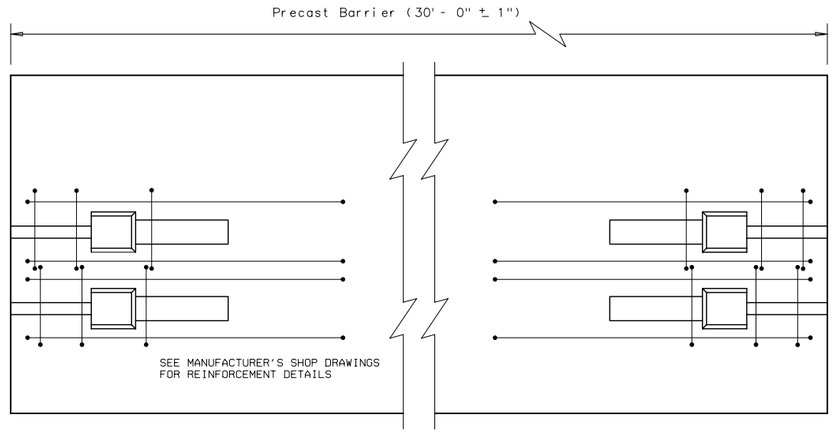
| FILE: sscb210.dgn | DN: TxDOT | CK: AM | DW: BD | CK: |
|---|---|---|---|---|
| ©TxDOT December 2010 | CONT | SECT | JOB | HIGHWAY |
| REVISIONS | 0014 | 16 | 255, ETC. | IH 35W |
| | DIST | | COUNTY | SHEET NO. |
| | FTW | | TARRANT | 670 |

DATE:
FILE:




END VIEW

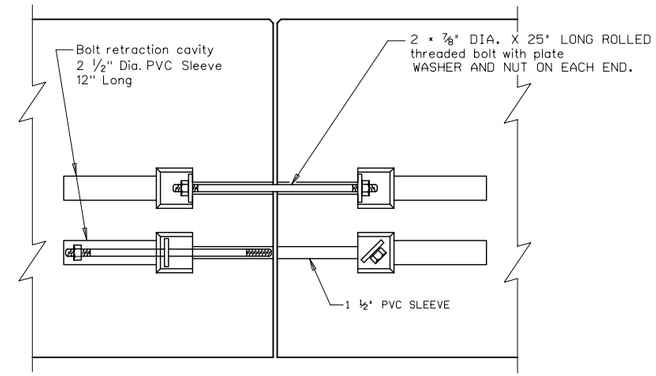
"QUICK-BOLT" POCKET LOCATIONS




ELEVATION VIEW

"QUICK-BOLT" (SSCB)

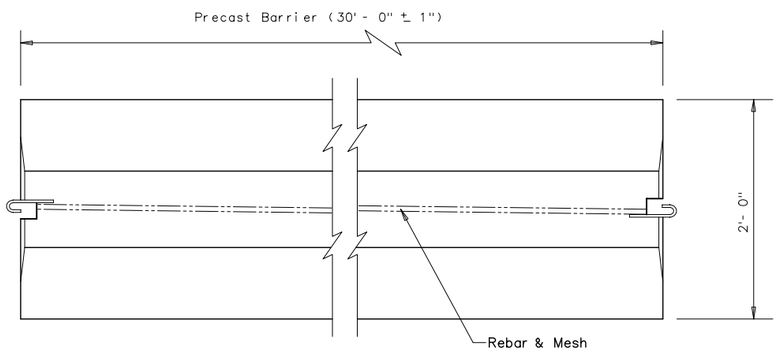
SEE MANUFACTURER'S SHOP DRAWING FOR ADDITIONAL DETAILS




ELEVATION VIEW SHOWING JOINT CONNECTION

"QUICK-BOLT"

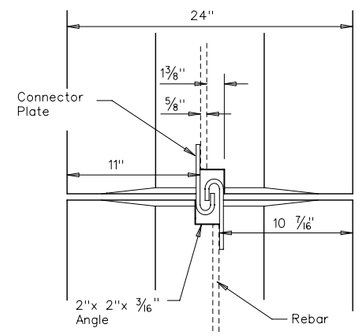
## Joint Connection (Type Q)




TOP VIEW

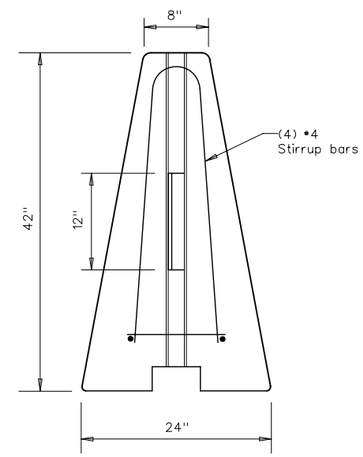
PRECAST (SSCB) WITH J-J HOOKS

SEE MANUFACTURER'S SHOP DRAWING FOR ADDITIONAL DETAILS




VIEW FROM ABOVE

J-J HOOK CONNECTION



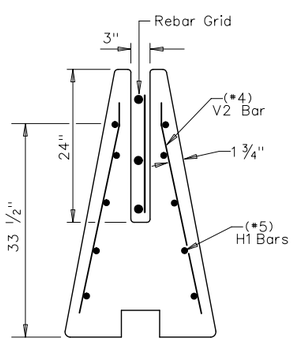

END VIEW

### Proprietary Joint Connections (SSCB)

Two proprietary joint connections are acceptable as alternates to the (Type X) connection shown, here on. These joint connections types are:

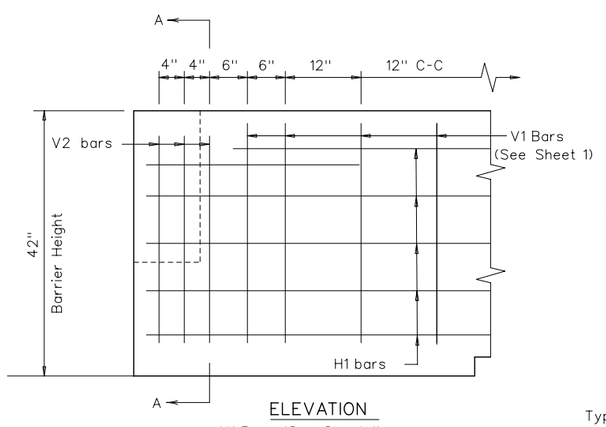
J-J Hooks by Easi-Set Industries, (800)547-4045
Quick-Bolt by Bexar Concrete, (210)497-3773

If one of these connection systems are exclusively specified in the plans, prior approval for sole source use must be obtained. Details of the connection components and barrier reinforcement for these systems, will be shown on the manufacturer's shop drawing(s) furnished to the Engineer.



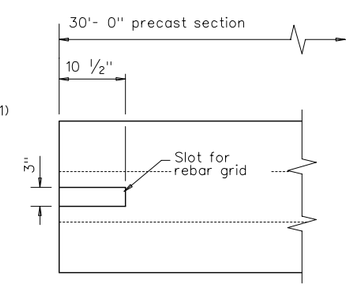

SECTION A-A

Showing (Type R)
Rebar Grid




ELEVATION

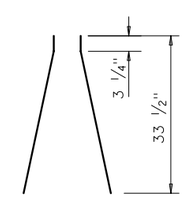
V1 Bars (See Sheet 1)




TOP VIEW

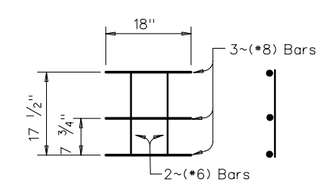
JOINT CONNECTION

Typical at both ends of barrier segment




(#4) V2 BARS

6 ~ two piece bars per barrier segment




WELDED REBAR GRID

## Joint Connection (Type R)

SHEET 2 OF 2

Texas Department of Transportation
Design Division Standard

# SINGLE SLOPE CONCRETE BARRIER

PRECAST BARRIER
(TYPE 1)

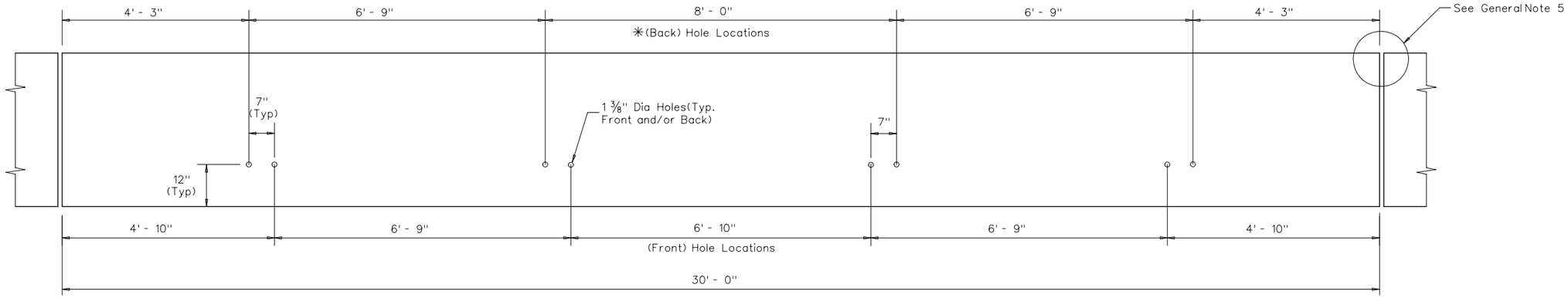
## SSCB(2)-10

| | | | | | |
|---|---|---|---|---|---|
| FILE: sscb210.dgn | DN: TxDOT | CK: AM | DW: BD | | CK: |
| ©TxDOT December 2010 | CONT | SECT | JOB | HIGHWAY | |
| REVISIONS | 0014 | 16 | 255, ETC. | IH 35W | |
| | DIST | | COUNTY | | SHEET NO. |
| | FTW | | TARRANT | | 670A |

DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

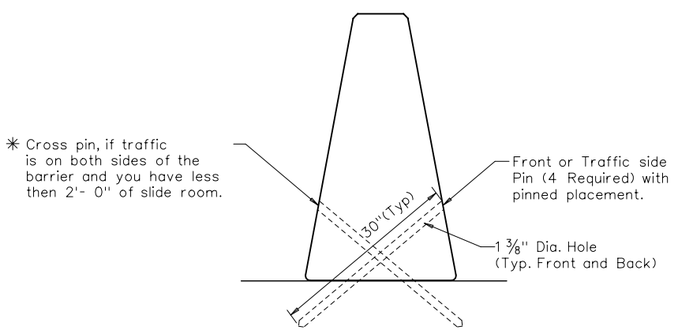
DATE:
FILE:

DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.



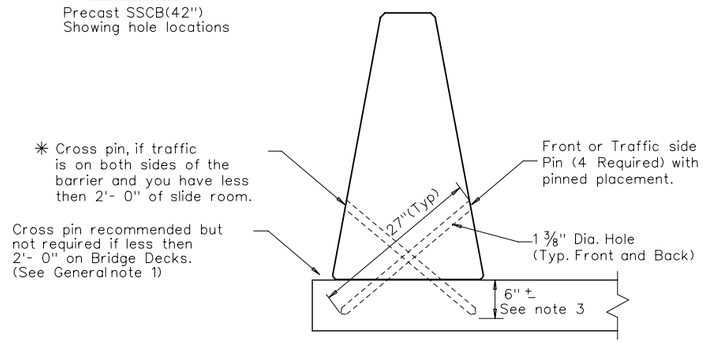

DETAIL 1

Precast SSCB(42")
Showing hole locations



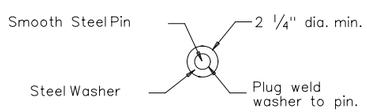

DETAIL 2

Placement on (ACP)
Asphalt Conc. Pavement
or Treated Base Material
(30" Pin required)




DETAIL 3

Bridge Deck or CRCP
(27" Pin required).



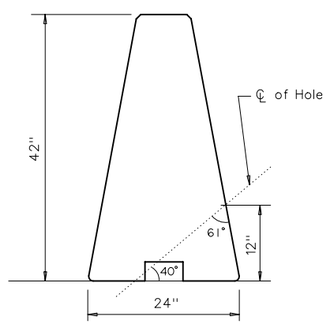

VIEW A-A

## CORE DRILLING EXISTING BARRIER

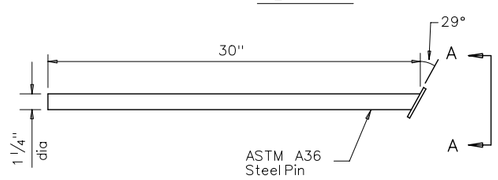
Core drilling existing concrete barrier is permitted. Holes shall be drilled with coring or masonry drilling type equipment. Percussion (star) drilling shall not be used. A special drill bit (to cut through existing reinforcing) will likely be required. Spalls in the concrete exceeding 1/2" shall be patched.

## GENERAL NOTES

1. These details provide a method of laterally restraining precast concrete barrier to limit deflections under normally expected passenger vehicle impacts. These details are intended for use in work zones, primarily on bridge decks, or pavement where temporary barrier must be placed less then 2 ft. from the longitudinal edge of the deck or dropoff and parallel to the direction of travel. Other applications of these details are acceptable as directed by the Engineer.
2. Each precast concrete barrier section shall have a minimum of four or total of eight 1 3/8in.ID holes formed or cored through the barrier. The center lines of the holes are shown in the hole location detail. If rebar is encountered, the entry point may be shifted 2" plus or minus longitudinally along the barrier. The eight holes are spaced along the length of the barrier as shown in Detail 1.
3. The drilling of the travel surface is accomplished by placing the pre-drilled barrier section on the travel surface in the desired position. Then the hole is drilled with the bit passing though the hole in the barrier. The bit is to be inserted into the hole in the barrier so that the travel surface is drilled to a point which is slightly more than the pin length.
4. Note that steel washers have been welded to the top of the steel pins to aid in the removal of the pins, when the barrier is removed.
5. See SSCB(2) standard sheet for reinforcement requirements and joint connection types.
6. The forming or coring of holes in the barrier, drilling of holes in bridge deck or pavement, fabrication and materials for the 1 1/4in. pins, installation of pins, and any repair to the barrier shall be considered as subsidiary to the barrier bid items.
7. The barrier and travel surface will be repaired as directed by the Engineer in accordance with Item 429, "Concrete Structure Repair."
8. All steel pins shall be galvanized after fabrication in accordance with Item 445, "Galvanizing."
9. Weight of barrier is approx. 700 lbs per foot.

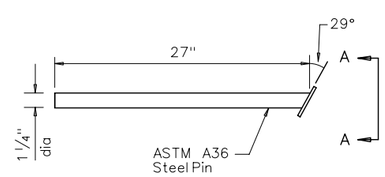



HOLE LOCATION DETAIL




(30") PIN DETAIL

See Detail 2

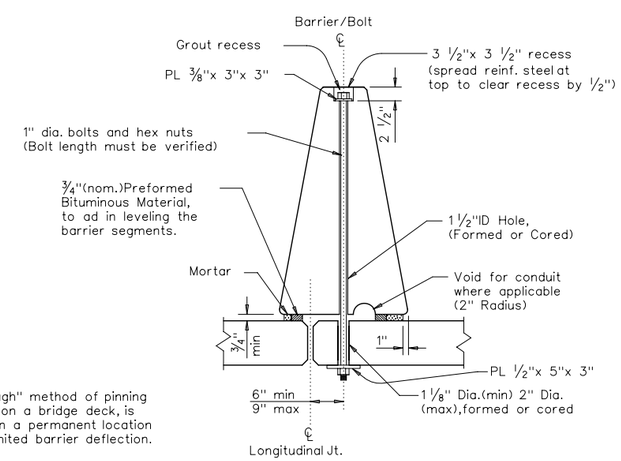



(27") PIN DETAIL

See Detail 3

Note:
Steel washer welded to pin at 29° angle so that the washer is flush with barrier surface. (See View A-A)

Note:
The "Bolt Through" method of pinning precast barrier on a bridge deck, is primarily used in a permanent location that requires limited barrier deflection.




PRECAST SSCB (BOLT THROUGH) PLACEMENT OVER LONGITUDINAL EXPANSION JOINT

For bolt through locations, use the (Front) hole locations shown on Detail 1.

Texas Department of Transportation
Design Division Standard

# SINGLE SLOPE CONCRETE BARRIER

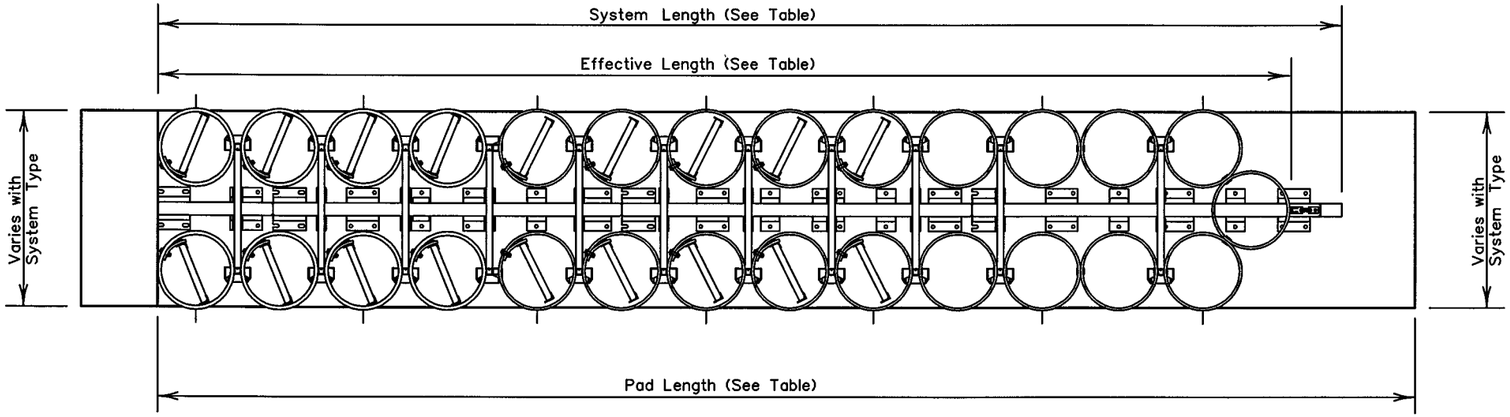
PRECAST BARRIER
(TYPE 1)
PINNED PLACEMENT

SSCB(5)-10

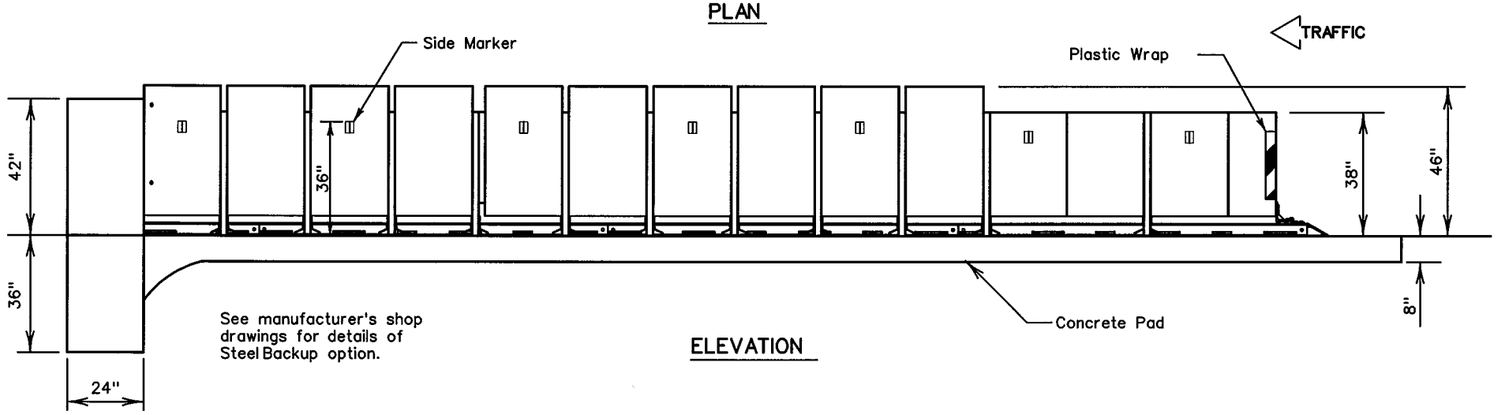
| | | | | |
|---|---|---|---|---|
| FILE: sscb510.dgn | DN: TxDOT | CK: AM | DW: BD | CK: |
| ©TxDOT December 2010 | CONT | SECT | JOB | HIGHWAY |
| REVISIONS | 0014 | 16 | 255, ETC. | IH 35W |
| | DIST | | COUNTY | SHEET NO. |
| | FTW | | TARRANT | 670B |

DATE:
FILE:

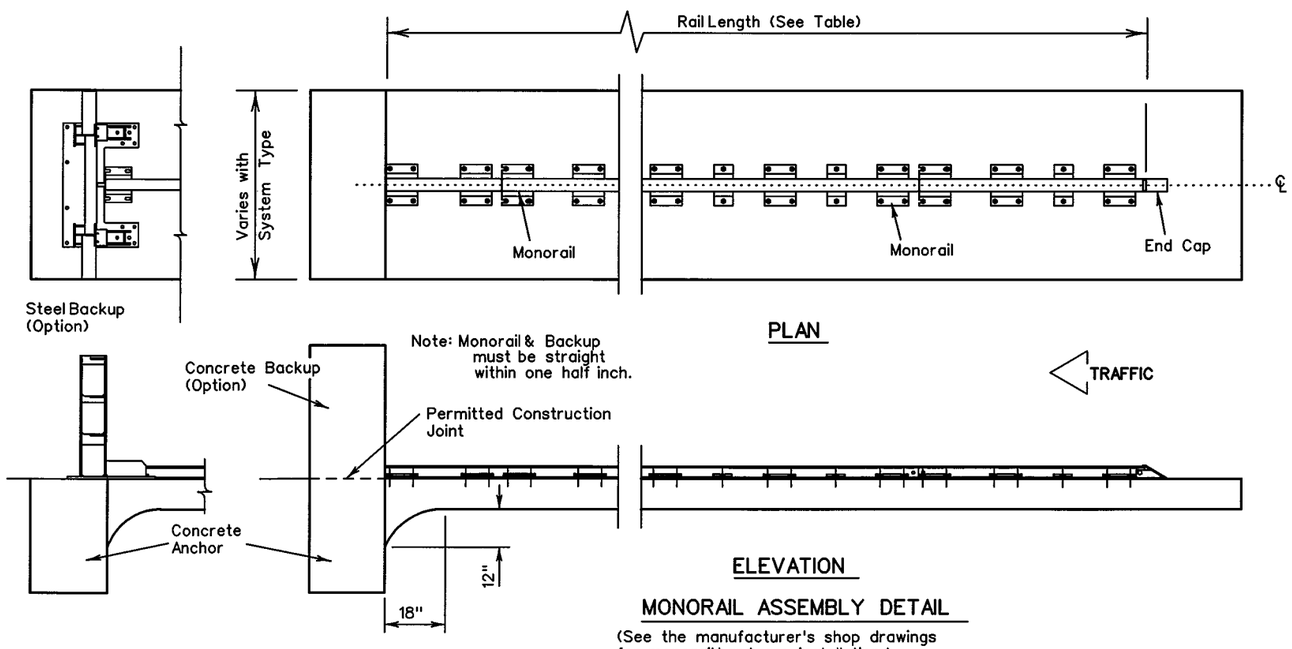
DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.




PLAN




ELEVATION




PLAN

ELEVATION

MONORAIL ASSEMBLY DETAIL

(See the manufacturer's shop drawings for monorail hardware installation.)

## GENERAL NOTES

1. The nose of the REACT 350 shall be clad with a plastic wrap with standard delineation adhered to the wrap and shall have a series of side marker reflectors on both sides of the unit. See site plan views for marker and plastic wrap color orientation.
2. For additional information contact: Energy Absorption Systems Inc. 35 E. Wacker Dr. Suite 1100 Chicago, IL. 60601. 1(888)323-6374.
3. For bi-directional traffic, appropriate transition details will be as shown on the manufacturer's shop drawings.
4. Details of components for the REACT(W) and backups and reinforcing details will be shown on the manufacturer's shop drawings furnished to the Engineer.
5. If the cross-slope varies more than 2% over the length of the system, the concrete pad will require leveling. Maximum permissible cross-slope is 8%.
6. The installation area should be free from curbs, elevated objects, or depressions.
7. The REACT(W) system should be approximately parallel with the barrier or C of merging barriers.
8. All steel components to be hot dipped galvanized except stakes, drive spikes, threaded bolts in backup unit, and wedge fittings on cables.

**Wide REACT Systems**

| System Type | Backup Width | System Length | Effective Length | Pad Length | Rail Length |
|---|---|---|---|---|---|
| W60 | 60" | 30'-10" | 29'-3" | 32'-6" | 30'-3 1/4" |
| W96 | 96" | 34'-9" | 32'-10" | 35'-6" | 33'-3 3/4" |
| W120 | 120" | 33'-10" | 32'-2" | 35'-6" | 33'-3 3/4" |

(See the manufacturer's shop drawings for additional details.)

| ANCHOR SYSTEM TYPE |
|---|
| MP-3® polyester anchoring system with 7.5" studs, 5.5" embedment |
| **FOUNDATION TYPES** |
| Minimum 8" Reinforced concrete pad (Required reinforcing steel for concrete pad shall be shown on the manufacturer's shop drawings.<br><br>Minimum 8" Non-reinforced concrete roadway (Measuring at least 12' wide by 50' long)<br><br>Minimum 7" Concrete deck structure, or<br><br>Minimum 6" Reinforced concrete roadway |

Texas Department of Transportation
Design Division Standard

# REUSABLE ENERGY ABSORBING CRASH TERMINAL (WIDE REACT 350)

# REACT(W)-03

| FILE: reactw03.dgn | DN: TxDOT | CK: AM | DW: BD | CK: |
|---|---|---|---|---|
| ©TxDOT October 2001 | CONT | SECT | JOB | HIGHWAY |
| REVISIONS | 0014 | 16 | 255, ETC. | IH 35W |
| | DIST | | COUNTY | SHEET NO. |
| | FTW | | TARRANT | 671 |

DATE:
FILE: