TEXAS DEPARTMENT OF TRANSPORTATION
PROJECT NAME: SAMPLE
PROJECT NUMBER: 0000-00-000
CONTROL NUMBER: 00000
CONTROL AND SECTION HEADING

LIST OF SHEETS INCLUDED

COVER SHEET	1
TYPICAL SECTIONS	2-3
TRAFFIC VOLUME DIAGRAM	4
PLAN AND PROFILE	5-8

DESIGN SPEED: 60 MPH
POSTED SPEED: 55 MPH
ADT: 0000 (2000)
DHV: 0000 (2000)
DIRECTIONAL DISTRIBUTION: 00 %
TRUCKS: 00 % (2000)
TRAFFIC DATA ESTIMATED FROM: 00 YEAR
PROJECT LENGTH: 0.000 MILES

SUBMITTED:
DATE
PROJECT MANAGER

APPROVED:
DATE
DISTRICT ENGINEER

APPROVED:
DATE
DIRECTOR, TRANSPORTATION PLANNING AND DEVELOPMENT

PLAN PREPARED BY:
DATE
PROJECT ENGINEER

PLAN PREPARED BY:
DATE
PROJECT MANAGER

Texas Department of Transportation
P.O. BOX 1386
AUSTIN, TEXAS 78767-1386 512-416-2000

TRAFFIC VOLUME DIAGRAM

LEGEND
ADT = AVERAGE DAILY TRAFFIC
DHV = DESIGN HOURLY VOLUME
DDHV = DIRECTIONAL DESIGN HOURLY VOLUME

DATA SHOWN
ADT (DHV) (DDHV)
(2000) (2000) (2000)

LIST OF SHEETS INCLUDED

COVER SHEET	1
TYPICAL SECTIONS	2-3
TRAFFIC VOLUME DIAGRAM	4
PLAN AND PROFILE	5-8

PRELIMINARY
NOT FOR CONSTRUCTION
OR RECORDING PURPOSES

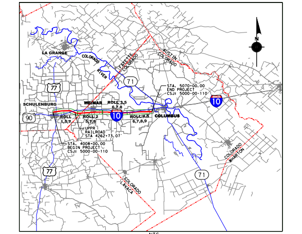
SCHEMATIC

TEXAS DEPARTMENT OF TRANSPORTATION

PRELIMINARY DESIGN SCHEMATIC FOR ROADWAY RECONSTRUCTION IH-10 FAYETTE AND COLORADO COUNTIES

LIMITS: U.S. 77 to S.H. 71
C-S-J: 5000-00-110
LENGTH: 106,200 FT = 20.11 MILES
ROADWAY LENGTH: 100,466 FT = 19.02 MILES
BRIDGE LENGTH : 5,734 FT = 1.09 MILES
STA. 4008+00.00 TO STA. 5070+00.00

OFFICE OF THE DISTRICT ENGINEER
YOAKUM DISTRICT



STATION EQUATION: STA 4340+92.24 BK = STA 4340+00.00 AH

DESIGN SPEED:	MAINLANE	75 MPH (RURAL)(ROLLING)
	RAMP	50 MPH (RURAL)(ROLLING)
	FRONTAGE ROAD	60 MPH (RURAL)(ROLLING)
	e (MAX) =	0.06 (FT/FT)

FUNCTIONAL CLASSIFICATION:	MAINLANES:	RURAL INTERSTATE
	FRONTAGE ROADS:	MAJOR COLLECTORS
	CROSS STREET:	RURAL ARTERIAL

CURRENT ADT(2020):
PROJECTED ADT(2040):
PROJECTED ADT(2050):
PROPOSED DESIGN STANDARDS(ROADWAY): TXDOT ROADWAY DESIGN MANUAL 2014 CHAPTER 3; 4R, SECTION 6; FREEWAYS
PROPOSED DESIGN STANDARDS(TRAFFIC): TMUTCD & APPLICABLE TRAFFIC STANDARDS
PLOT SCALE: 1"=100' (HORZ.)
1"=10' (VERT.)

DATE: 3/30/2018

APPROVED: , 2018

JEFFERY VINKLAREK,
DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT
TXDOT YOAKUM DISTRICT

APPROVED: , 2018

--, P.E.
ADVANCED TRANSPORTATION PLANNING
TXDOT YOAKUM DISTRICT

APPROVED: , 2018

PAUL REITZ, P.E.
DISTRICT ENGINEER
TXDOT YOAKUM DISTRICT

APPROVED: BY DESIGN DIVISION LETTER DATED

APPROVED: BY F.H.W.A. LETTER DATED

AIA ENGINEERS CONSULTANTS
15310 PARK ROW, HOUSTON, TX 77084
PHONE: (281) 493-4140 F-2801

SCHEMATIC PREPARED BY: AIA ENGINEERS

THIS DOCUMENT IS NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. THEY WERE PREPARED BY, OR UNDER THE SUPERVISION OF:

JONATHON MARCHESE, P.E.
SCHEMATIC DESIGN MANAGER
102232 (P.E. NO.) 3/30/2018 (DATE)

Texas Department of Transportation
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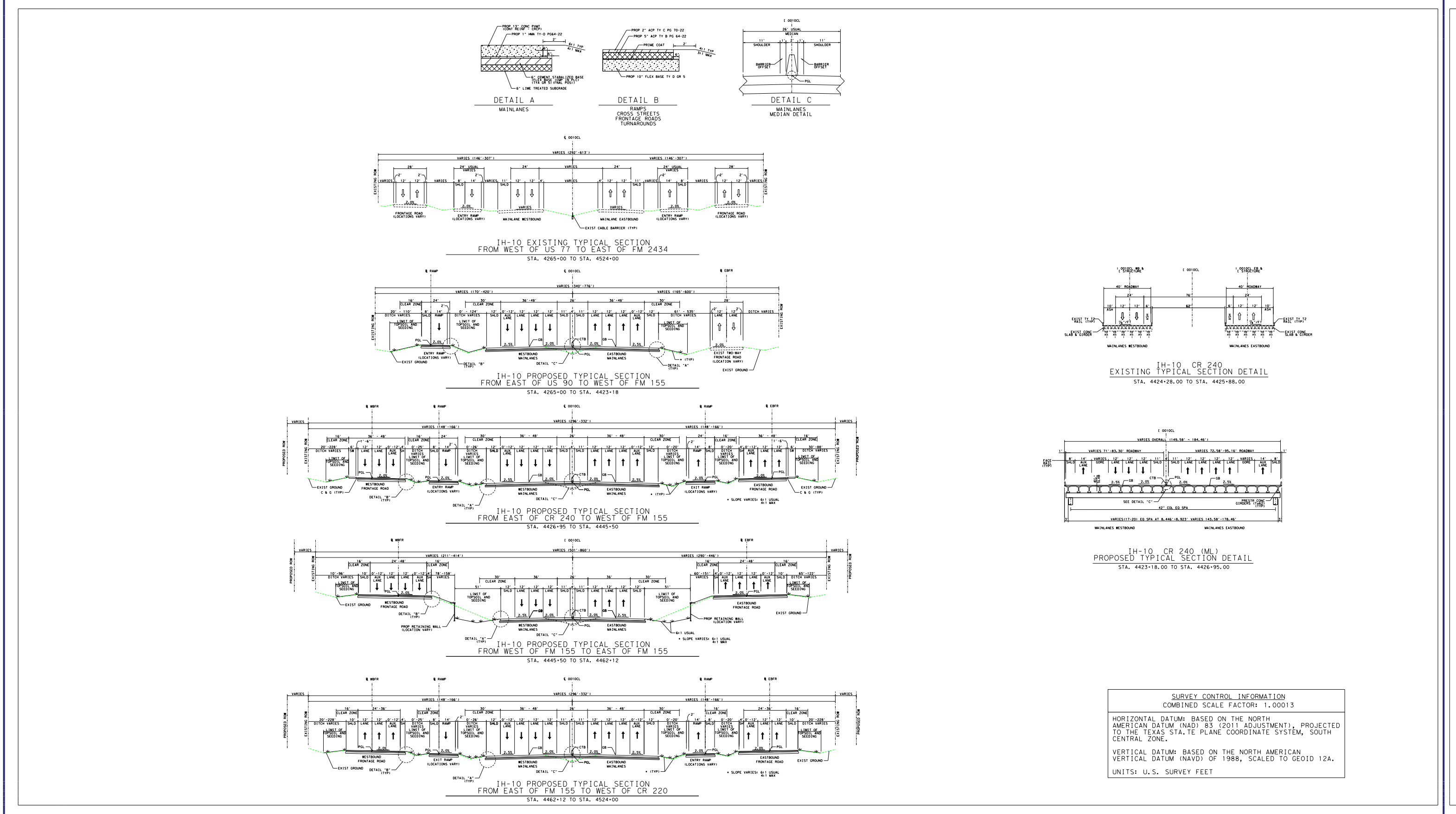
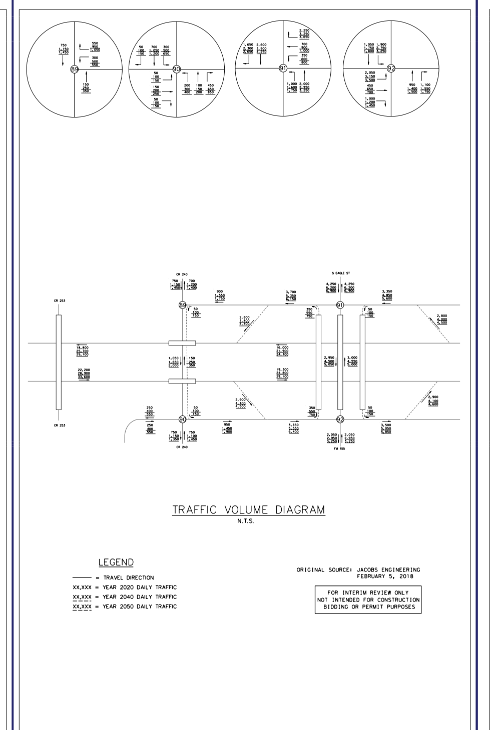




NOT A BIDDING DOCUMENT

PRELIMINARY
60% SUBMITTAL

TEXAS DEPARTMENT OF TRANSPORTATION
PROJECT NAME: SH 130
PROJECT NAME: SH 130
PROJECT NAME: SH 130

TEXAS DEPARTMENT OF TRANSPORTATION
DALLAS DISTRICT
FM 2181 (DENTON ROAD)
FROM FM 407 TO FM 3040
DENTON COUNTY
PLANS FOR FUTURE PAVING

LENGTH OF PROJECT = 6.000 MILES
BEGIN PROJECT STA. 1000+00
END PROJECT STA. 1316+80
BEGIN LAT. 33.0 DEG. 12 MIN. 12.0 SEC. N
BEGIN LONG. 96.0 DEG. 59 MIN. 36.0 SEC. W
END LAT. 33.0 DEG. 12 MIN. 12.0 SEC. N
END LONG. 96.0 DEG. 59 MIN. 36.0 SEC. W

LOCATION MAP

DESIGN SPEED = 70 MPH
ADT = 20,000 (2018)
DHV = 2,000 (2018)
TRUCKS = 2.0 %
DESIGN LOADING = HS-20
PAVEMENT DESIGN = 10 YEARS
PROJECT NEGATIVE = 0.0 MILES
PROJECT EXCEPTIONS = NONE

LENGTH OF PROJECT = 0.000 MILES
BEGIN PROJECT STA. 1000+00
END PROJECT STA. 1000+00
BEGIN LAT. 33.0 DEG. 12 MIN. 12.0 SEC. N
BEGIN LONG. 96.0 DEG. 59 MIN. 36.0 SEC. W
END LAT. 33.0 DEG. 12 MIN. 12.0 SEC. N
END LONG. 96.0 DEG. 59 MIN. 36.0 SEC. W

DESIGN SPEED = 70 MPH
ADT = 20,000 (2018)
DHV = 2,000 (2018)
TRUCKS = 2.0 %
DESIGN LOADING = HS-20
PAVEMENT DESIGN = 10 YEARS
PROJECT NEGATIVE = 0.0 MILES
PROJECT EXCEPTIONS = NONE

DATE PLANS MADE
APPROVED _____
DATE
DISTRICT ENGINEER

DATE PLANS MADE
APPROVED _____
DATE
DIRECTOR OF TRANSPORTATION PLANNING AND PROJECT MANAGEMENT

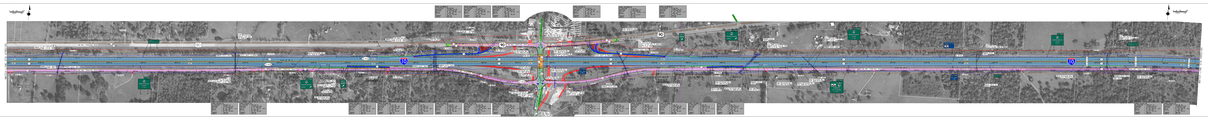
AS Denton
Texas Department of Transportation
DALLAS DISTRICT
DENTON COUNTY
FM 2181 (DENTON ROAD)
FROM FM 407 TO FM 3040
PLANS FOR FUTURE PAVING

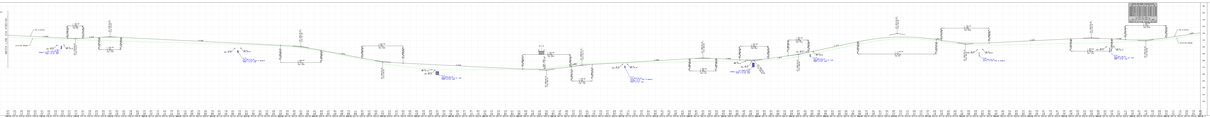
TYPICAL VALVE BARRIER

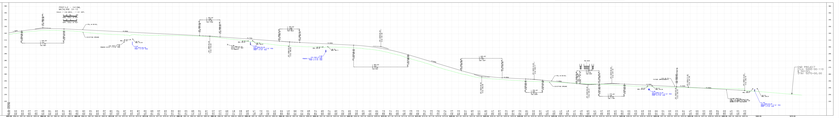
NOTE:
1. TYPICAL VALVE BARRIER
2. TYPICAL VALVE BARRIER
3. TYPICAL VALVE BARRIER
4. TYPICAL VALVE BARRIER

DATE PLANS MADE
APPROVED _____
DATE
DIRECTOR OF TRANSPORTATION PLANNING AND PROJECT MANAGEMENT

PRELIMINARY
NOT FOR CONSTRUCTION
AUTHORIZATION



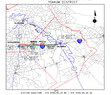




TEXAS DEPARTMENT OF TRANSPORTATION
HOUSTON/BEAUMONT DISTRICT
FM 90/WALL ALIGNMENTS
FM 90
FAYETTE AND COLORADO COUNTIES

LENGTH 15.0 mi. by R.O.W. ft
LENGTH 79.0 mi. by CENTERLINE ft
BEGIN AT FM 1291 (WEST) = 29+00 WEST
BEGIN AT FM 1291 (EAST) = 29+00 EAST
END AT FM 1291 (WEST) = 1+00 WEST
END AT FM 1291 (EAST) = 1+00 EAST

OFFICE OF THE DISTRICT ENGINEER



DESIGN SPEED: 70 MAXIMUM
DESIGN VEHICLE: WB-67 (WB-67)
SURFACE WIDTH: 24 FT. (FM 90)
SURFACE TYPE: 2 LANE ROAD
FUNCTIONAL CLASSIFICATION: RURAL ARTERIAL
RURAL COLLECTOR
URBAN STREET: RURAL ARTERIAL
URBAN STREET: RURAL COLLECTOR
CURRENT ADT COUNT:
PROJECTED ADT COUNT:
DESIGN ADT COUNT:
PROPOSED DESIGN STANDARDS/PROJECT: FOUR PROGRAM DESIGN MANUAL, CH.4
CHAPTER 34 DESIGN DOCUMENTS
PROPOSED DESIGN STANDARDS/TRAFFIC: TRAFFIC & SAFETY/DESIGN
TRAFFIC & SAFETY/DESIGN
PLAT SCALE: 1" = 100' (HORZ.)
1" = 10' (VERT.)

DATE:12/30/19
APPROVED: _____ 2019
APPROVED: _____ 2019

DISTRICT ENGINEER
TEXAS DEPARTMENT OF TRANSPORTATION
HOUSTON/BEAUMONT DISTRICT
FLOOD DESIGN ENGINEER
TEXAS DEPARTMENT OF TRANSPORTATION

APPROVED: _____ 2019
DIV. DIRECTOR
TEXAS DEPARTMENT OF TRANSPORTATION
HOUSTON/BEAUMONT DISTRICT

APPROVED: _____ 2019
DIV. DIRECTOR
TEXAS DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION

AIA Engineers
2000 Bering Drive, Suite 700
Houston, Texas 77057
713-789-1017
Texas Registered Firm F-1386

DATE OF SEALING
PRELIMINARY
NOT FOR CONSTRUCTION
PURPOSES
DATE: 12/30/19
AIA ENGINEERS
PROJECT NO. 19-0000
PROJECT MANAGER: MR. JOHN DOE
PROJECT ENGINEER: MR. JOHN DOE

APPROVED: _____ DIV. DIRECTOR
TEXAS DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION

APPROVED: _____ 2019
DIV. DIRECTOR
TEXAS DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION

Texas Department of Transportation
2014
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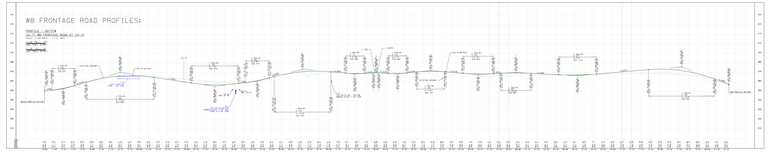

CONTROL FOR PROFILE
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CONTROL FOR PROFILE
CONTROL FOR PROFILE

NOT A RECORDING DOCUMENT

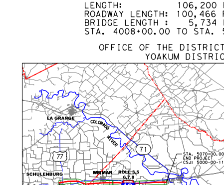
PRELIMINARY
60% SUBMITTAL

TEXAS DEPARTMENT OF TRANSPORTATION

PRELIMINARY DESIGN SCHEMATIC FOR ROADWAY RECONSTRUCTION IH-10 FAYETTE AND COLORADO COUNTIES

LIMITS: U.S. 77 to S.H. 71
C-S-J: 5000-00-110
LENGTH: 106,200 FT = 20.11 MILES
ROADWAY LENGTH: 100,466 FT = 19.02 MILES
BRIDGE LENGTH : 5,734 FT = 1.09 MILES
STA. 4008+00.00 TO STA. 5070+00.00

OFFICE OF THE DISTRICT ENGINEER
YOAKUM DISTRICT



NTS

STATION EQUATION: STA 4340+92.24 BK = STA 4340+00.00 AH

DESIGN SPEED:	MAINLANE	75 MPH (RURAL)(ROLLING)
	RAMP	50 MPH (RURAL)(ROLLING)
	FRONTAGE ROAD	60 MPH (RURAL)(ROLLING)
	e (MAX) =	0.06 (FT/FT)

FUNCTIONAL CLASSIFICATION: MAINLANES: RURAL INTERSTATE
FRONTAGE ROADS: MAJOR COLLECTORS
CROSS STREET: RURAL ARTERIAL

CURRENT ADT(2020):
PROJECTED ADT(2040):
PROJECTED ADT(2050):
PROPOSED DESIGN STANDARDS(ROADWAY): TXDOT ROADWAY DESIGN MANUAL 2014 CHAPTER 3; 4R, SECTION 6; FREEWAYS
PROPOSED DESIGN STANDARDS(TRAFFIC): TMUTCD & APPLICABLE TRAFFIC STANDARDS
PLOT SCALE: 1"=100' (HORZ.)
1"=10' (VERT.)

DATE: 3/30/2018

APPROVED: ________________, 2018

JEFFERY VINKLAREK,
DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT
TXDOT YOAKUM DISTRICT

APPROVED: ________________, 2018

--, P.E.
ADVANCED TRANSPORTATION PLANNING
TXDOT YOAKUM DISTRICT

APPROVED: ________________, 2018

PAUL REITZ, P.E.
DISTRICT ENGINEER
TXDOT YOAKUM DISTRICT

APPROVED: BY DESIGN DIVISION LETTER DATED

APPROVED: BY F.H.W.A. LETTER DATED

AIA ENGINEERS CONSULTANTS
15310 PARK ROW, HOUSTON, TX 77084
PHONE: (281) 493-4140 F-2801

SCHEMATIC PREPARED BY: AIA ENGINEERS
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JONATHON MARCHESE, P.E. PROJECT MANAGER
102232 P.E. NO. 3/30/2018 DATE

Texas Department of Transportation

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SCHEMATIC

SCALE: $SCALESHORT$ USER: Jonathon

DATE: 3/30/2018 TIME: 7:52:03 PM

ROLL 6 OF 9

FILE:$FILES$

COMBINED SCALE FACTOR: 1.00013

HORIZONTAL DATUM: BASED ON THE NORTH AMERICAN DATUM (NAD) 83 (2011 ADJUSTMENT), PROJECTED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE.

VERTICAL DATUM: BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988, SCALED TO GEOID 12A.

UNITS: U.S. SURVEY FEET

NOT A BIDDING DOCUMENT

PRELIMINARY
60% SUBMITTAL

ROLL 6 OF 9

EB FRONTAGE ROAD PROFILES

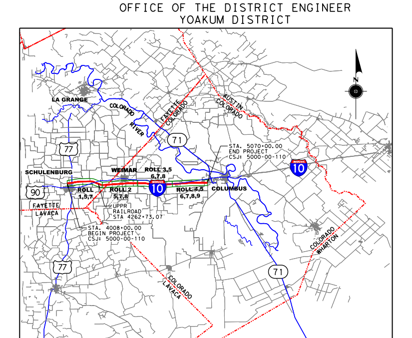
SCHEMATIC

TEXAS DEPARTMENT OF TRANSPORTATION

PRELIMINARY DESIGN SCHEMATIC FOR ROADWAY RECONSTRUCTION IH-10 FAYETTE AND COLORADO COUNTIES

LIMITS: U.S. 77 to S.H. 71
C-S-J: 5000-00-110
LENGTH: 106,200 FT = 20.11 MILES
ROADWAY LENGTH: 100,466 FT = 19.02 MILES
BRIDGE LENGTH : 5,734 FT = 1.09 MILES
STA. 4008+00.00 TO STA. 5070+00.00

OFFICE OF THE DISTRICT ENGINEER
YOAKUM DISTRICT



STATION EQUATION: STA 4340+92.24 BK = STA 4340+00.00 AH

DESIGN SPEED:	MAINLANE	75 MPH (RURAL)(ROLLING)
	RAMP	50 MPH (RURAL)(ROLLING)
	FRONTAGE ROAD	60 MPH (RURAL)(ROLLING)
	e (MAX) =	0.06 (FT/FT)

FUNCTIONAL CLASSIFICATION:	MAINLANES:	RURAL INTERSTATE
	FRONTAGE ROADS:	MAJOR COLLECTORS
	CROSS STREET:	RURAL ARTERIAL

CURRENT ADT(2020):
PROJECTED ADT(2040):
PROJECTED ADT(2050):
PROPOSED DESIGN STANDARDS(ROADWAY): TXDOT ROADWAY DESIGN MANUAL 2014 CHAPTER 3; 4R, SECTION 6; FREEWAYS
PROPOSED DESIGN STANDARDS(TRAFFIC): TMUTCD & APPLICABLE TRAFFIC STANDARDS
PLOT SCALE: 1"=100' (HORZ.)
1"=10' (VERT.)

DATE: 3/31/2018

APPROVED: ____________, 2018

JEFFERY VINKLAREK,
DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT
TXDOT YOAKUM DISTRICT

APPROVED: ____________, 2018

--, P.E.
ADVANCED TRANSPORTATION PLANNING
TXDOT YOAKUM DISTRICT

APPROVED: ____________, 2018

PAUL REITZ, P.E.
DISTRICT ENGINEER
TXDOT YOAKUM DISTRICT

APPROVED: BY DESIGN DIVISION LETTER DATED

APPROVED: BY F.H.W.A. LETTER DATED

AIA ENGINEERS CONSULTANTS
15310 PARK ROW, HOUSTON, TX 77084
PHONE: (281) 493-4140 F-2801

SCHEMATIC PREPARED BY:
AIA ENGINEERS
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JONATHON MARCHESE, P.E.
PROJECT MANAGER
102232 P.E. NO.
3/31/2018 DATE

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COMBINED SCALE FACTOR: 1.00013

HORIZONTAL DATUM: BASED ON THE NORTH AMERICAN DATUM (NAD) 83 (2011 ADJUSTMENT), PROJECTED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE.

VERTICAL DATUM: BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988, SCALED TO GEOID 12A.

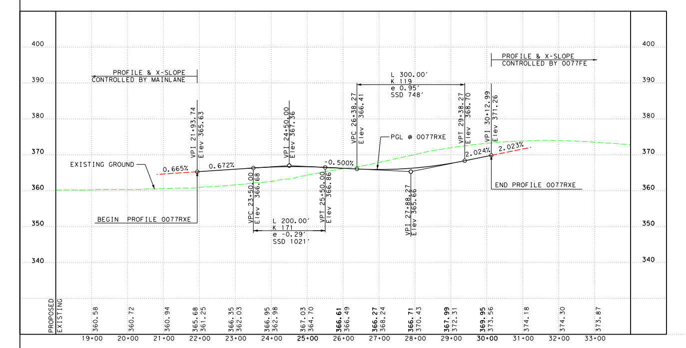
UNITS: U.S. SURVEY FEET

NOT A BIDDING DOCUMENT

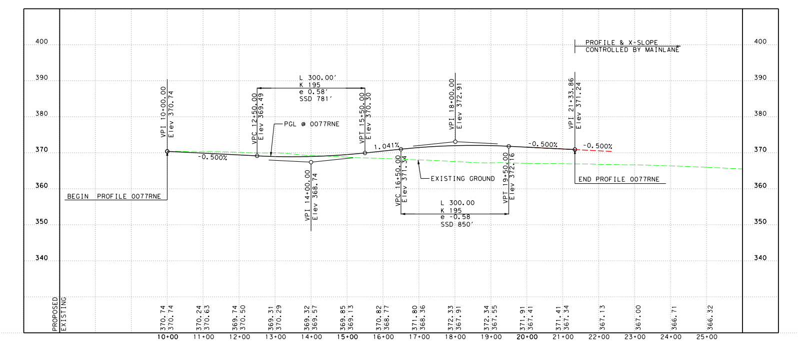
PRELIMINARY
60% SUBMITTAL

EASTBOUND RAMP PROFILES:

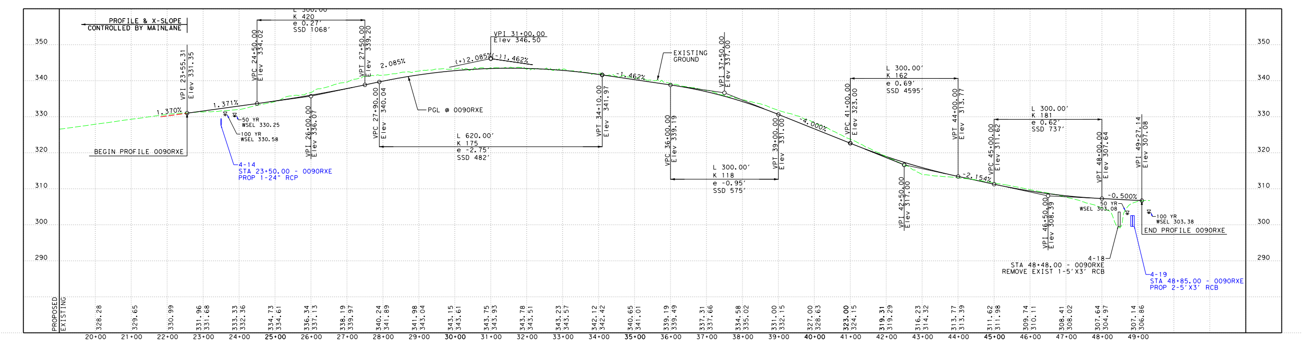
PROFILE - 0077RXE
IH-10 EB EXIT RAMP AT US 77
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



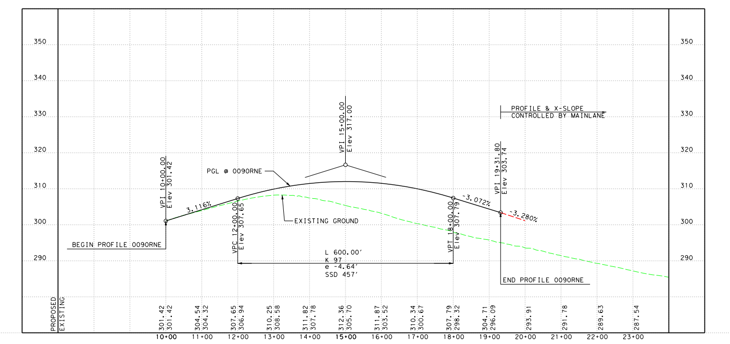
PROFILE - 0077RNE
IH-10 EB ENTRANCE RAMP AT US 77
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



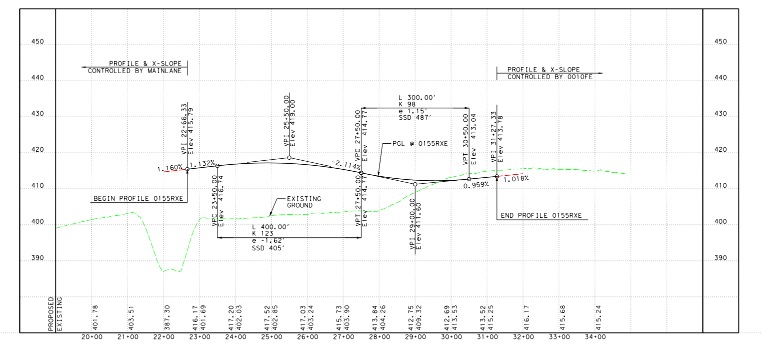
PROFILE - 0090RXE
IH-10 EB EXIT RAMP AT US 90
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



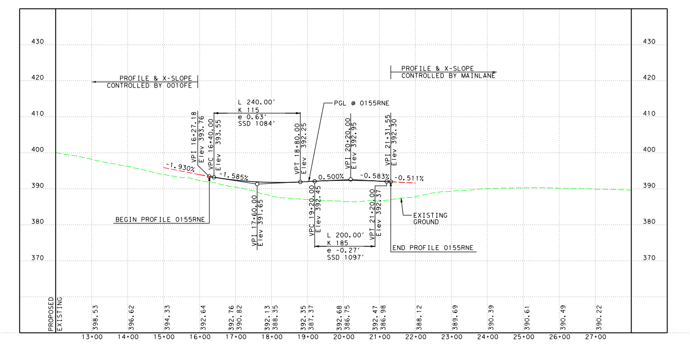
PROFILE - 0090RNE
IH-10 EB ENTRANCE RAMP AT US 90
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



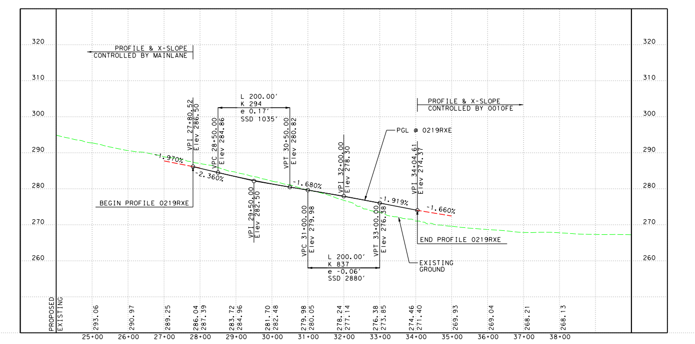
PROFILE - 0155RXE
IH-10 EB EXIT RAMP AT FM 155
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



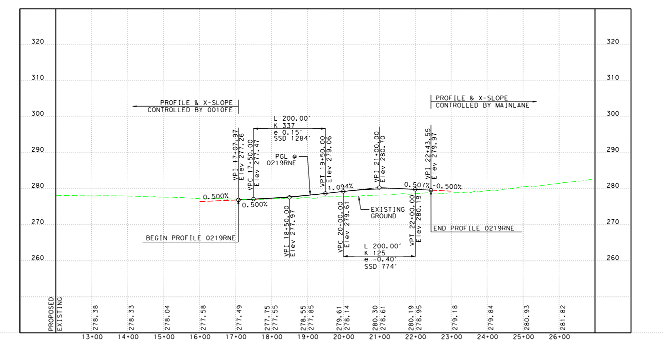
PROFILE - 0155RNE
IH-10 EB ENTRANCE RAMP AT FM 155
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



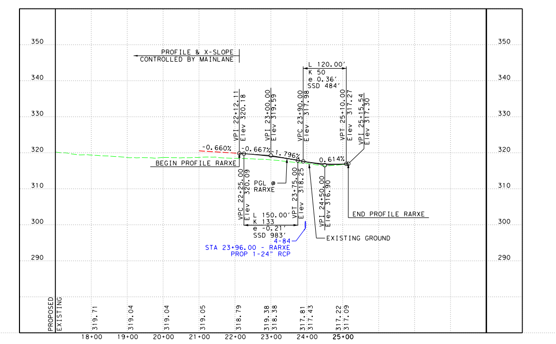
PROFILE - 0219RXE
IH-10 EB EXIT RAMP AT CR 219
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



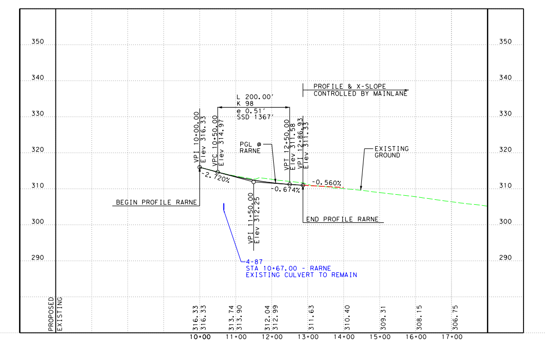
PROFILE - 0219RNE
IH-10 EB ENTRANCE RAMP AT CR 219
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



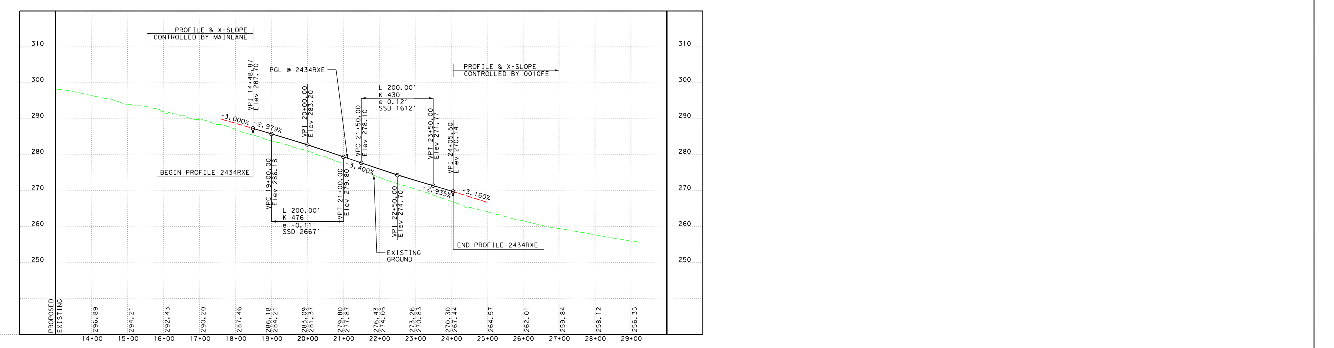
PROFILE - RARXE
IH-10 EB EXIT RAMP AT REST AREA
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



PROFILE - RARNE
IH-10 EB ENTRANCE RAMP AT REST AREA
SCALE: 1"=100 HORIZ. - 1"=10' VERT.

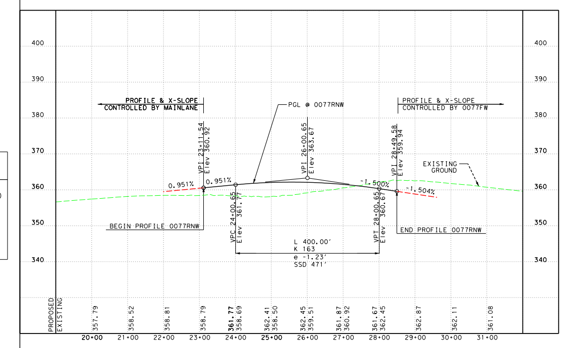


PROFILE - 2434RXE
IH-10 EB EXIT RAMP AT FM 2434
SCALE: 1"=100 HORIZ. - 1"=10' VERT.

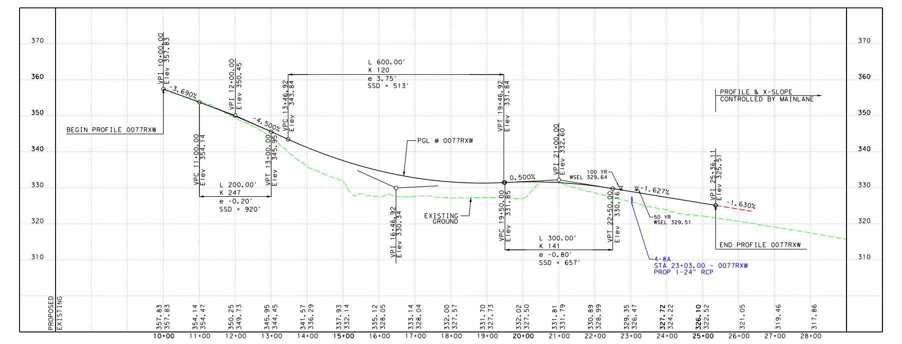


WESTBOUND RAMP PROFILES:

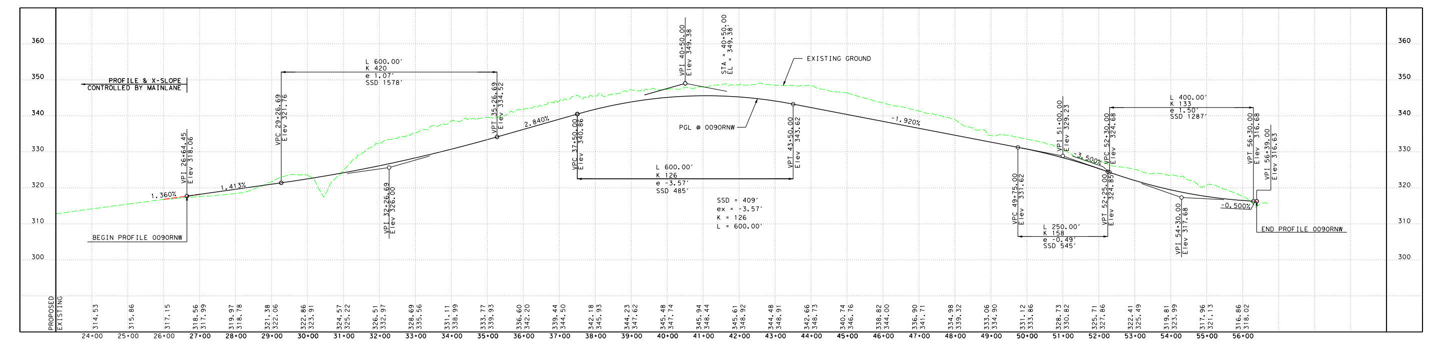
PROFILE - 0077RNW
IH-10 WB ENTRANCE RAMP AT US 77
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



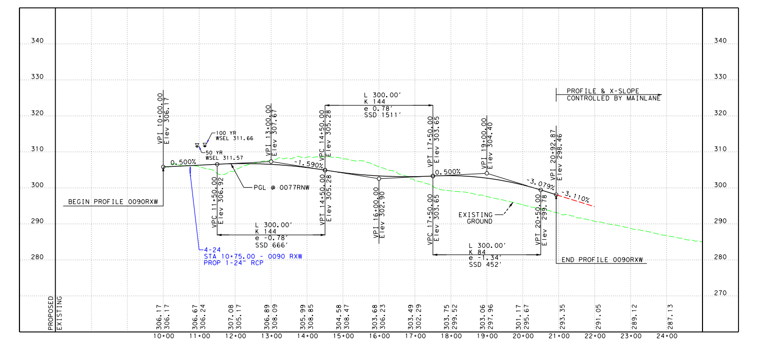
PROFILE - 0077RXW
IH-10 WB EXIT RAMP AT US 77
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



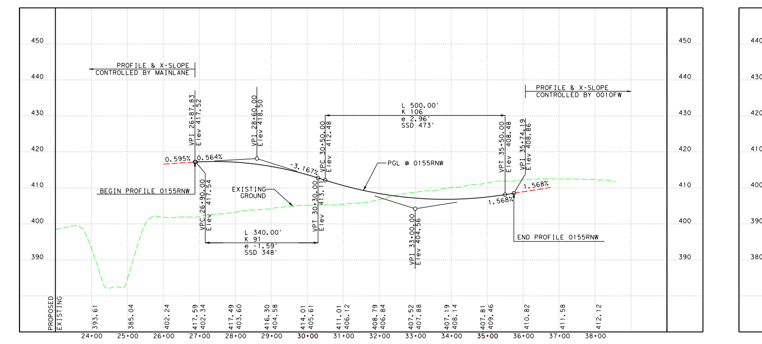
PROFILE - 0090RNW
IH-10 WB ENTRANCE RAMP AT US 90
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



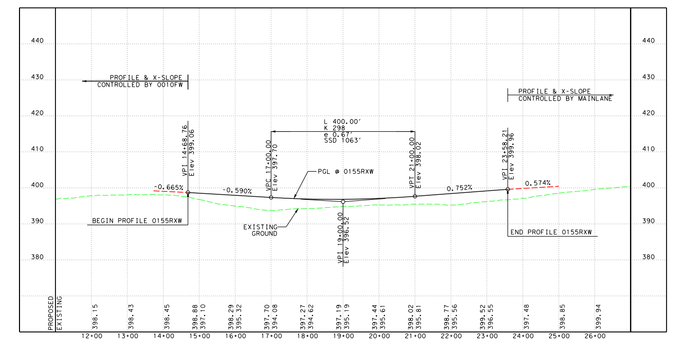
PROFILE - 0090RXW
IH-10 WB EXIT RAMP AT US 90
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



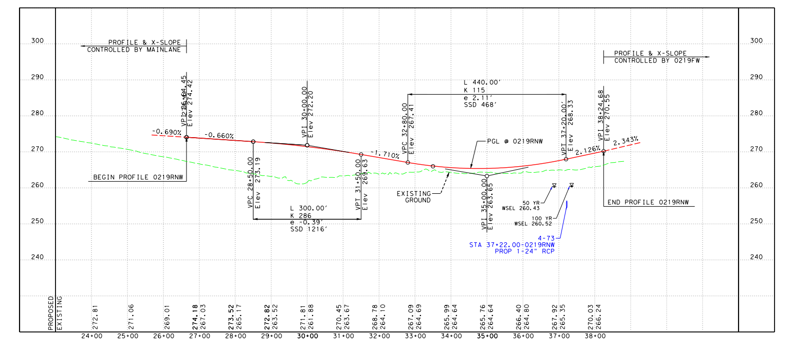
PROFILE - 0155RNW
IH-10 WB ENTRANCE RAMP AT FM 155
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



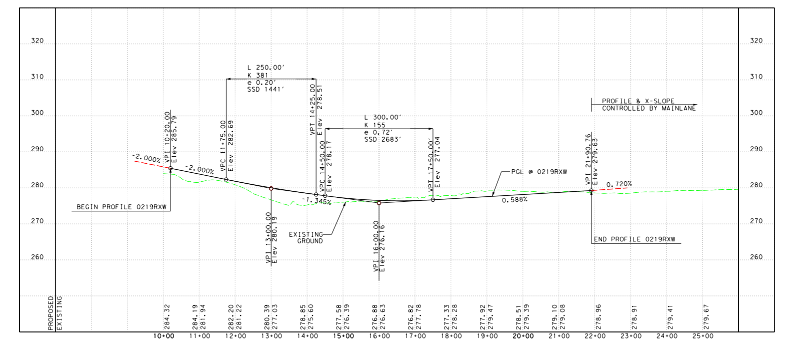
PROFILE - 0155RXW
IH-10 WB EXIT RAMP AT FM 155
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



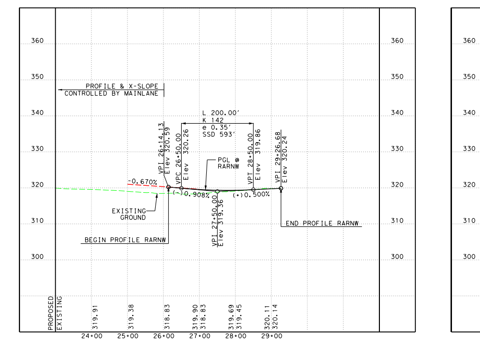
PROFILE - 0219RNW
IH-10 WB ENTRANCE RAMP AT CR 219
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



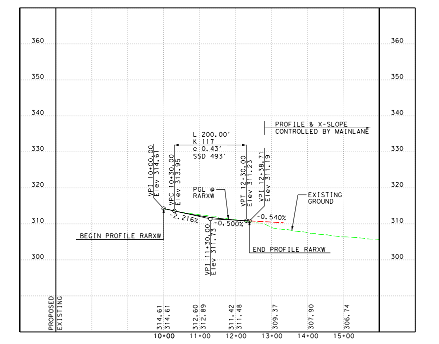
PROFILE - 0219RXW
IH-10 WB EXIT RAMP AT CR 219
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



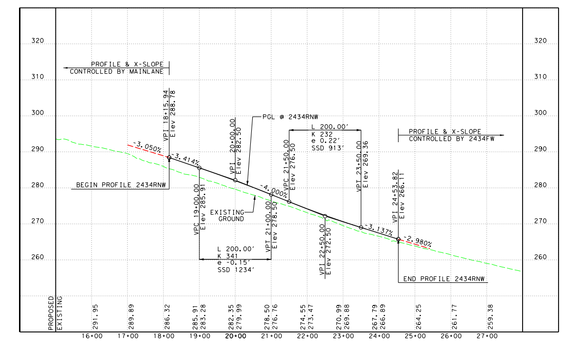
PROFILE - RARNW
IH-10 WB ENTRANCE RAMP AT REST AREA
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



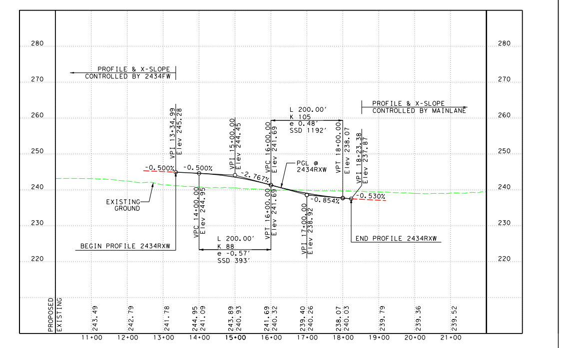
PROFILE - RARXW
IH-10 WB EXIT RAMP AT REST AREA
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



PROFILE - 2434RNW
IH-10 WB ENTRANCE RAMP AT FM 2434
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



PROFILE - 2434RXW
IH-10 WB EXIT RAMP AT FM 2434
SCALE: 1"=100 HORIZ. - 1"=10' VERT.



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DATE: 3/31/2018 TIME: 10:04:04 AM
FILE: 10-B-S4-RPP*07.dgn

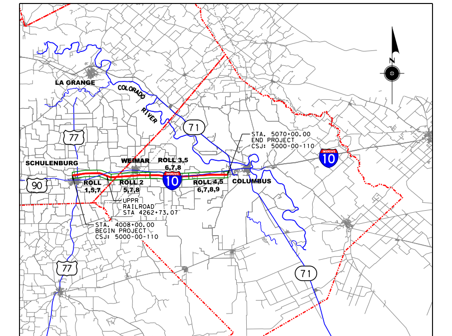
SCHEMATIC

TEXAS DEPARTMENT OF TRANSPORTATION

PRELIMINARY DESIGN SCHEMATIC FOR ROADWAY RECONSTRUCTION IH-10 FAYETTE AND COLORADO COUNTIES

LIMITS: U.S. 77 to S.H. 71
C-S-J: 5000-00-110
LENGTH: 106,200 FT = 20.11 MILES
ROADWAY LENGTH: 100,466 FT = 19.02 MILES
BRIDGE LENGTH : 5,734 FT = 1.09 MILES
STA. 4008+00.00 TO STA. 5070+00.00

OFFICE OF THE DISTRICT ENGINEER
YOAKUM DISTRICT



NTS

STATION EQUATION: STA 4340+92.24 BK = STA 4340+00.00 AH

DESIGN SPEED: MAINLANE 75 MPH (RURAL)(ROLLING)
RAMP 50 MPH (RURAL)(ROLLING)
FRONTAGE ROAD 60 MPH (RURAL)(ROLLING)
e (MAX) = 0.06 (FT/FT)

FUNCTIONAL CLASSIFICATION: MAINLANES: RURAL INTERSTATE
FRONTAGE ROADS: MAJOR COLLECTORS
CROSS STREET: RURAL ARTERIAL

CURRENT ADT(2020):
PROJECTED ADT(2040):
PROJECTED ADT(2050):
PROPOSED DESIGN STANDARDS(ROADWAY): TXDOT ROADWAY DESIGN MANUAL 2014 CHAPTER 3; 4R, SECTION 6; FREEWAYS
PROPOSED DESIGN STANDARDS(TRAFFIC): TMUTCD & APPLICABLE TRAFFIC STANDARDS

PLOT SCALE: 1"=100' (HORZ.)
1"=10' (VERT.)

DATE: 3/30/2018

APPROVED: , 2018

APPROVED: , 2018

JEFFERY VINKLAREK,
DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT
TXDOT YOAKUM DISTRICT

--, P.E.
ADVANCED TRANSPORTATION PLANNING
TXDOT YOAKUM DISTRICT

APPROVED: , 2018

AIA ENGINEERS CONSULTANTS
15310 PARK ROW, HOUSTON, TX 77084
PHONE: (281) 493-4140 F-2801

PAUL REITZ, P.E.
DISTRICT ENGINEER
TXDOT YOAKUM DISTRICT

SCHEMATIC PREPARED BY:
AIA ENGINEERS
THIS DOCUMENT IS NOT INTENED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. THEY WERE PREPARED BY, OR UNDER THE SUPERVISION OF:
JONATHON MARCHESE, P.E.
PROJECT MANAGER
102232 — P.E. NO.
3/30/2018 — DATE

APPROVED: BY DESIGN DIVISION LETTER DATED

APPROVED: BY F.H.W.A. LETTER DATED

Texas Department of Transportation

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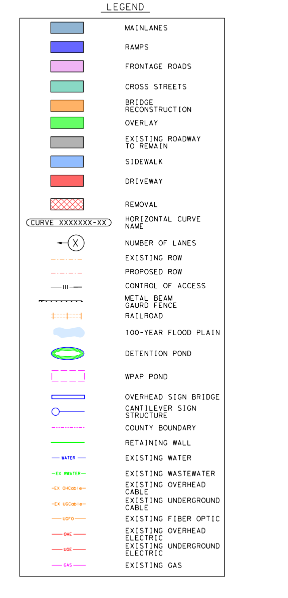
SCALE: $SCALESHORT$ USER: Jonathon
DATE: 3/30/2018 TIME: 9:27:19 PM
ROLL 8 OF 9
FILE: $FILES$



COMBINED SCALE FACTOR: 1.00013

HORIZONTAL DATUM: BASED ON THE NORTH AMERICAN DATUM (NAD) 83 (2011 ADJUSTMENT), PROJECTED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE.

VERTICAL DATUM: BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988, SCALED TO GEOID 12A.

UNITS: U.S. SURVEY FEET

NOT A BIDDING DOCUMENT

PRELIMINARY
60% SUBMITTAL

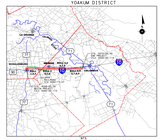
ROLL 8 OF 9

TEXAS DEPARTMENT OF TRANSPORTATION

PRELIMINARY DESIGN SCHEMATIC
FOR ROADWAY RECONSTRUCTION
IH-10
FAYETTE AND COLORADO COUNTIES

LIMITS: U.S. 77 TO S.H. 71
C.S.J.: 5000-00-110
LENGTH: 106,200 FT = 20.11 MILES
ROADWAY LENGTH: 5,600 FT = 1.06 MILES
BRIDGE LENGTH: 5,758 FT = 1.09 MILES
STA. 4008+00.00 TO STA. 5070+00.00

OFFICE OF THE DISTRICT ENGINEER
YOAKUM DISTRICT



STATION EQUATION: STA 4000+00.00 IH = STA 4000+00.00 AH

DESIGN SPEED: MAINLANE 75 MPH (RURAL)(ROLLING)
65 MPH (RURAL)(LEVEL)
FRONTAGE ROAD 50 MPH (RURAL)(ROLLING)
4 (MAX) = 0.06 (FT/FT)

FUNCTIONAL CLASSIFICATION: MAINLANE: RURAL INTERSTATE
FRONTAGE ROADS: MAJOR COLLECTORS
CROSS STREET: RURAL ARTERIAL

CURRENT ADT(2020):
PROJECTED ADT(2040):
DESIGN HOURLY VOLUME:
PROPOSED DESIGN STANDARDS(ROADWAY): TxDOT ROADWAY DESIGN MANUAL 2014 CHAPTER 5, AR,SECTION 6,FREEWAYS
PROPOSED DESIGN STANDARDS(TRAFFIC): TMUTCD & SUPPLEMENTS
TRAFFIC STANDARDS

PLOT SCALE: 1"=100' (HORZ.)
1"=10' (VERT.)

DATE: 3/30/2018

APPROVED: _____ 2018

JEFFERY STANLEREL
DIRECTOR OF TRANSPORTATION
PLANNING AND DEVELOPMENT
TxDOT YOAKUM DISTRICT

APPROVED: _____ 2018

_____, P.E.
ADVANCED TRANSPORTATION PLANNING
TxDOT YOAKUM DISTRICT

APPROVED: _____ 2018

PAUL REITZ, P.E.
DISTRICT ENGINEER
TxDOT YOAKUM DISTRICT

AIA Engineers
TBPE FIRM #F-1386

SCHMATIC PREPARED BY:
AIA Engineers
THIS PLAN WAS PREPARED UNDER THE DIRECTION OF THE ENGINEER WHOSE SEAL APPEARS HEREON.
JAMES MONROE, P.E.
LICENSED
STATE OF TEXAS
NO. 124314
MM 3/30/18

APPROVED: BY DESIGN DIVISION
LETTER DATED

APPROVED: BY P.L.A. & L.
LETTER DATED

Texas Department of Transportation
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COMBINED SCALE FACTOR: 1.0001.0

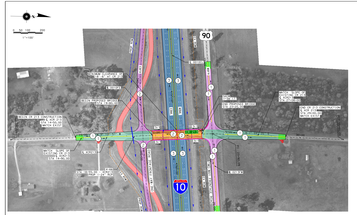
HORIZONTAL DATUM: BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE.

VERTICAL DATUM: BASED ON THE NATIONAL GEODETIC VERTICAL DATUM ABOVE OF 1988, SCALED TO GEOID 12A.

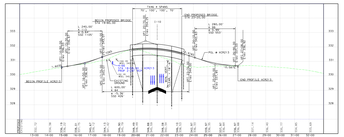
UNITS: U.S. SURVEY FEET

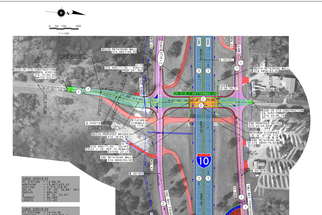
NOT A BIDDING DOCUMENT

PRELIMINARY
60% SUBMITTAL

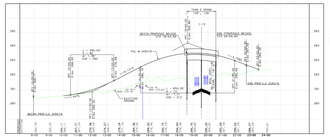


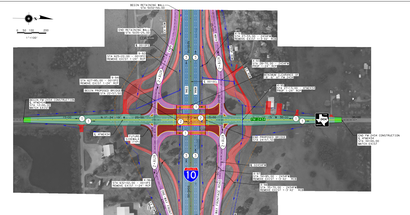
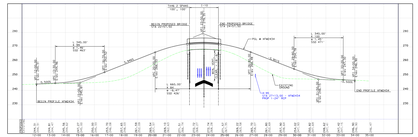
PROFILE – HORIZ13
CR 213 CROSS ROAD AT IH-10
SCALE: 1"=100' HORIZ., 1"=10' VERT.





PROFILE – HORIZ19
CR 219 CROSS ROAD AT IH-10
SCALE: 1"=100' HORIZ., 1"=10' VERT.





PROFILE – ATMOS34
FM 2434 CROSS ROAD AT IH-10
SCALE: 1"=100' HORIZ., 1"=10' VERT.