Texas Department of Transportation
Book 2 – Technical Provisions

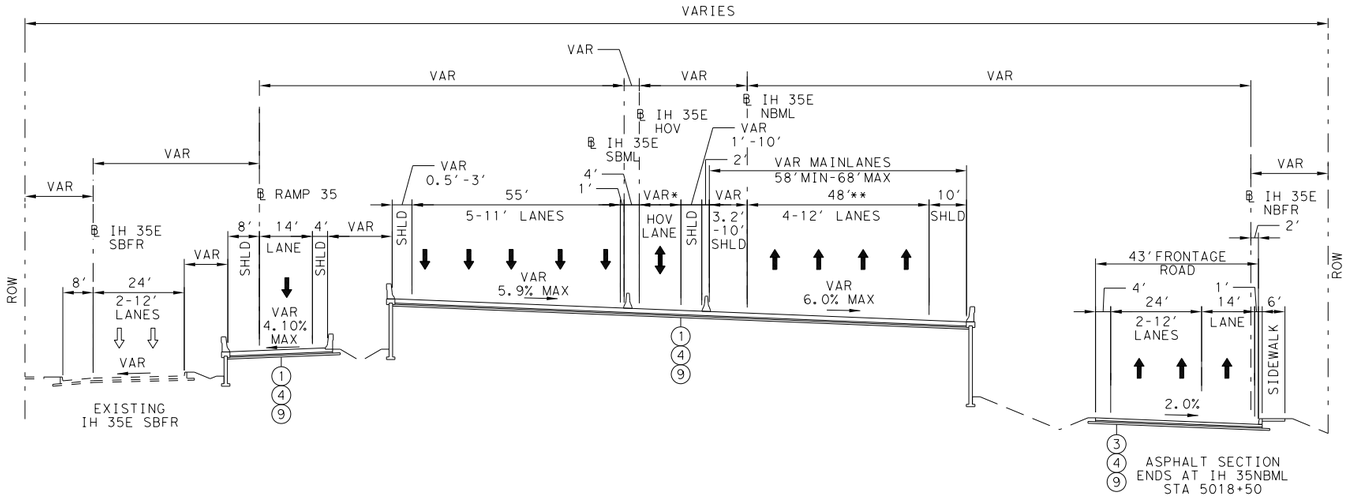
Horseshoe Design-Build Project

Attachment 8-1
Proposed Typical Sections

Scale: 1:40
Plotted on: 6/8/2012 1:22:18 PM

LEGEND

1. 13" CRCP
2. 9" CRCP
3. 8" CRCP
4. 4" TY B PG 64-22 HMAC
5. 13" LIME TREATED SUBGRADE (7%)
6. 10" LIME TREATED SUBGRADE (5%)
7. 6" LIME TREATED SUBGRADE (7%)
8. 6" LIME TREATED SUBGRADE (5%)
9. 6" LIME TREATED SUBGRADE (4%)
10. 1½" POROUS FRICTION COURSE

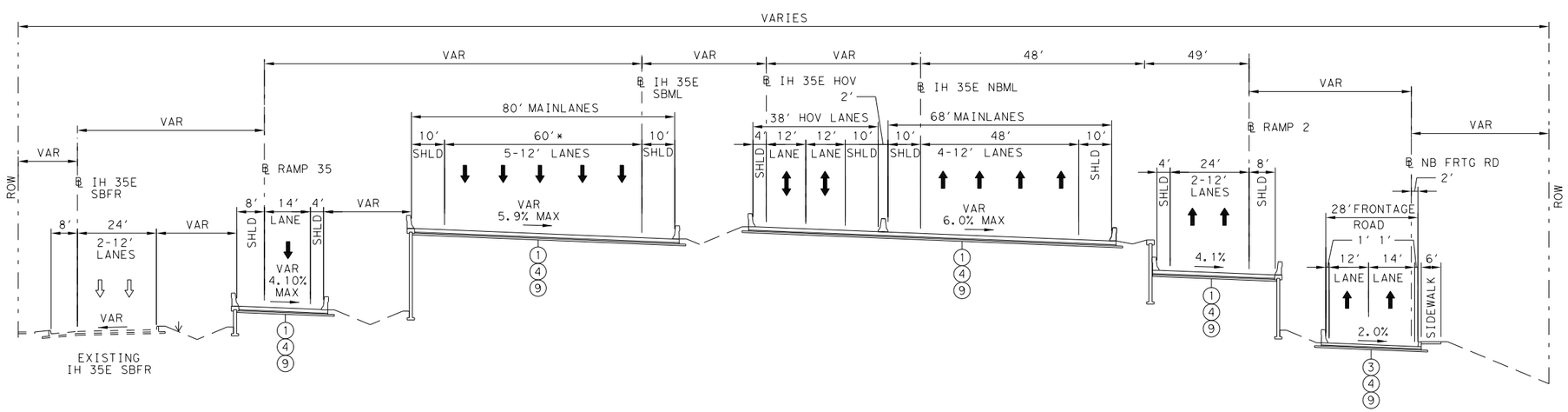


PROPOSED - IH 35E

BEGIN PROJECT TO 0.10 MI SOUTH OF COLORADO BLVD

*LANE TRANSITIONS FROM 11' TO 24'
**LANES TRANSITION FROM 44' TO 48'

INTERIM REVIEW ONLY
Document incomplete: not intended for permit, bidding or construction.
Engineer: BRYCE M. TURENTINE
P.E. Serial No.: 91200
Date: 6/8/2012



PROPOSED - IH 35E

0.10 MI SOUTH OF COLORADO BLVD TO COLORADO BLVD

*LANES TRANSITION FROM 55' TO 60'

CONCRETE SECTION BEGINS IH 35E NBML STA 5018+50

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IH 35E

PROPOSED TYPICAL SECTIONS

IH 35E MAINLANES

SHEET 1 OF 9

DGN: SMS	FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
CHK DGN: FJS	X	TEXAS	XX XXXX(XXX)			IH 35E
DWG:	DIST.	COUNTY	CONT. NO.	SECT. NO.	JOB NO.	SHEET NO.
CHK DWG:	DALLAS	DALLAS	0196	03	205	9

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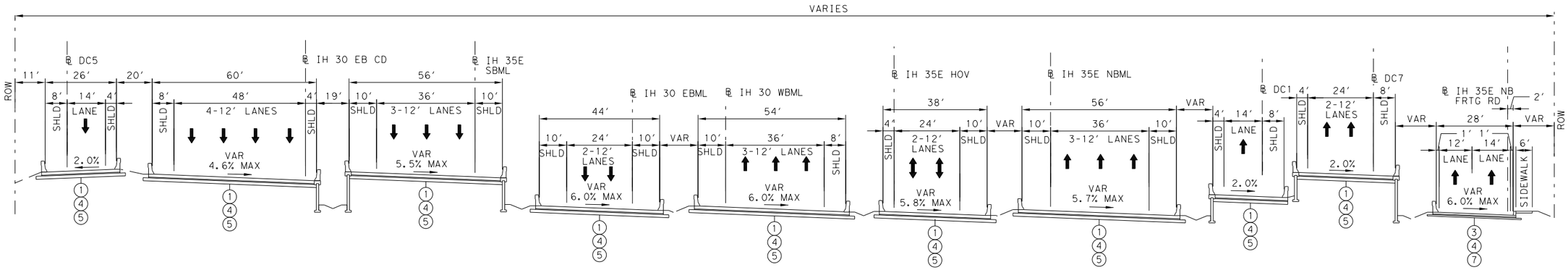

PROPOSED - IH 35E

0.10 MI EAST OF JEFFERSON BLVD VIADUCT TO 0.20 MI WEST OF HOUSTON ST VIADUCT

LEGEND

1. 13" CRCP
2. 9" CRCP
3. 8" CRCP
4. 4" TY B PG 64-22 HMAC
5. 13" LIME TREATED SUBGRADE (7%)
6. 10" LIME TREATED SUBGRADE (5%)
7. 6" LIME TREATED SUBGRADE (7%)
8. 6" LIME TREATED SUBGRADE (5%)
9. 6" LIME TREATED SUBGRADE (4%)
10. 1½" POROUS FRICTION COURSE

INTERIM REVIEW ONLY
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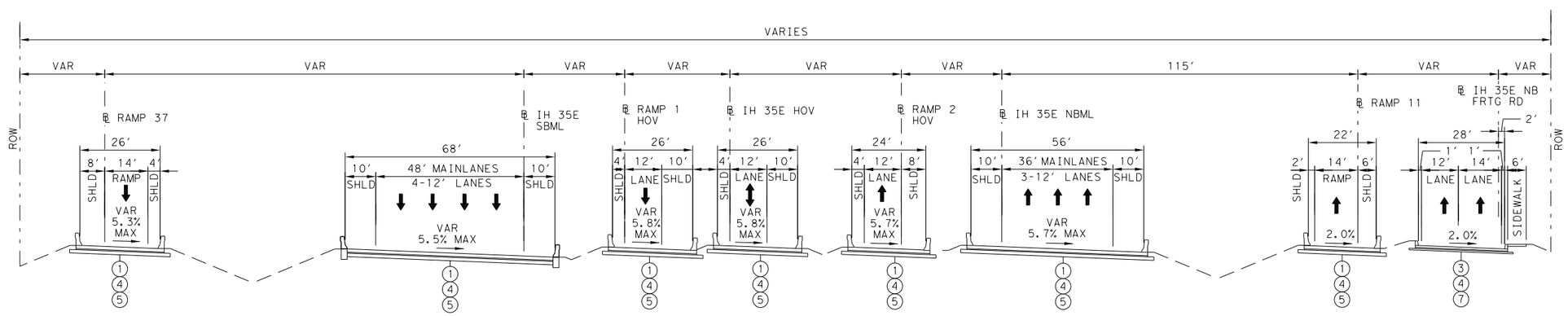
Engineer: BRYCE M. TURENTINE
P.E. Serial No.: 91200
Date: 6/8/2012



PROPOSED - IH 35E

0.20 MI WEST OF HOUSTON ST VIADUCT TO 0.10 MI SOUTH OF REUNION BLVD

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IH 35E

PROPOSED TYPICAL SECTIONS

IH 35E MAINLANES

SHEET 2 OF 9

DGN: SMS	FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
CHK DGN: FJS	X	TEXAS	XX XXXX(XXX)			IH 35E
DWG:	DIST.	COUNTY	CONT. NO.	SECT. NO.	JOB NO.	SHEET NO.
CHK DWG:	DALLAS	DALLAS	0196	03	205	9

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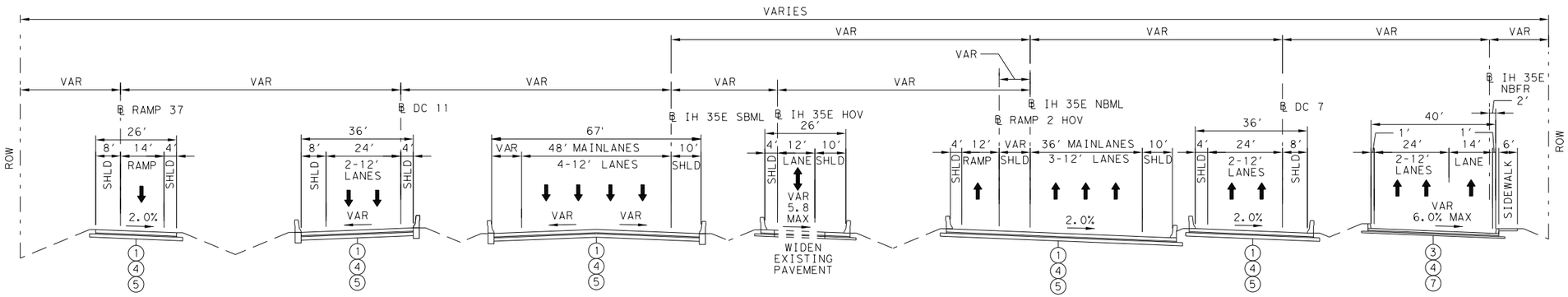
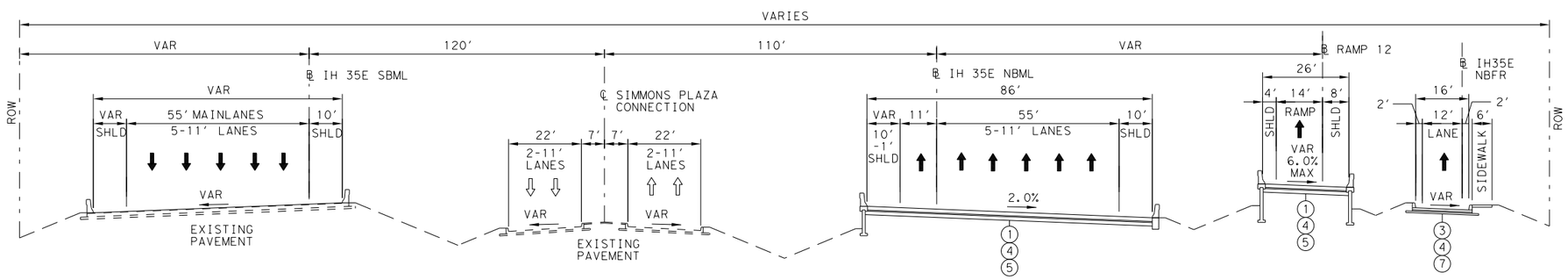
Scale: 1:40
Plotted on: 6/8/2012 1:22:21 PM

LEGEND

1. 13" CRCP
2. 9" CRCP
3. 8" CRCP
4. 4" TY B PG 64-22 HMAC
5. 13" LIME TREATED SUBGRADE (7%)
6. 10" LIME TREATED SUBGRADE (5%)
7. 6" LIME TREATED SUBGRADE (7%)
8. 6" LIME TREATED SUBGRADE (5%)
9. 6" LIME TREATED SUBGRADE (4%)
10. 1½" POROUS FRICTION COURSE



PROPOSED - IH 35E
0.10 MI SOUTH OF REUNION BLVD TO REUNION BLVD



PROPOSED - IH 35E
REUNION BLVD TO END PROJECT

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IH 35E

PROPOSED TYPICAL SECTIONS

IH 35E MAINLANES

SHEET 3 OF 9

DGN: SMS	FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
CHK DGN: FJS	X	TEXAS	XX XXXX(XXX)			IH 35E
DWG:	DIST.	COUNTY	CONT. NO.	SECT. NO.	JOB NO.	SHEET NO.
CHK DWG:	DALLAS	DALLAS	0196	03	205	9

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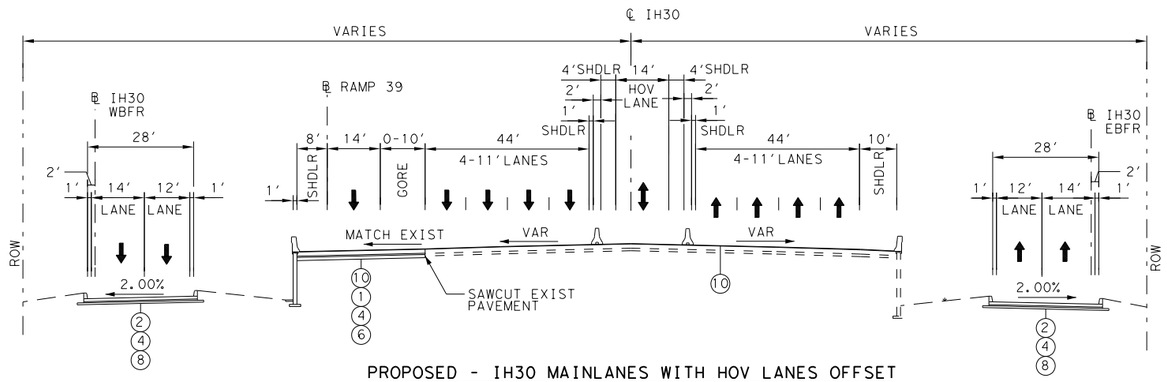
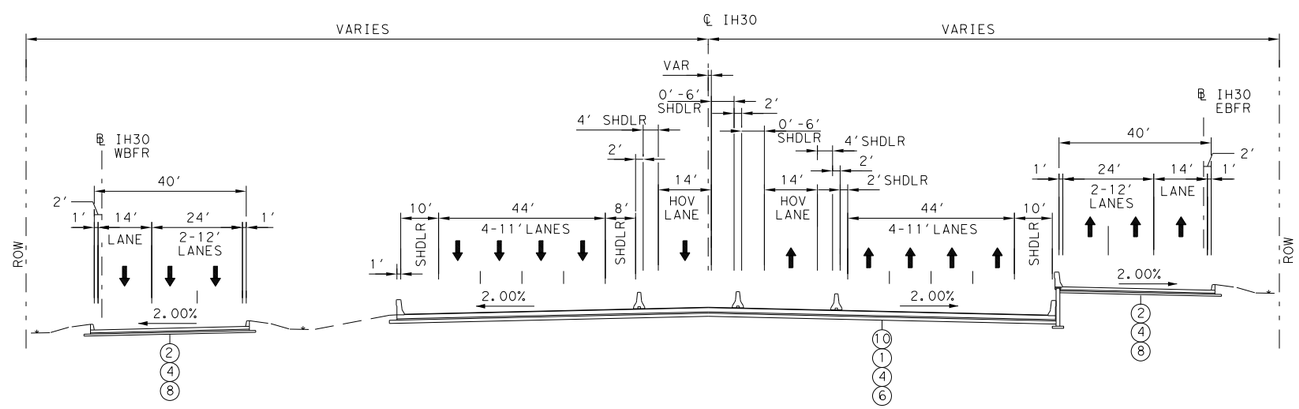
Plotted on: 6/8/2012 1:22:27 PM

LEGEND

1. 13" CRCP
2. 9" CRCP
3. 8" CRCP
4. 4" TY B PG 64-22 HMAC
5. 13" LIME TREATED SUBGRADE (7%)
6. 10" LIME TREATED SUBGRADE (5%)
7. 6" LIME TREATED SUBGRADE (7%)
8. 6" LIME TREATED SUBGRADE (5%)
9. 6" LIME TREATED SUBGRADE (4%)
10. 1½" POROUS FRICTION COURSE



PROPOSED - IH30 MAINLANES WITH HOV LANES OFFSET
SYLVAN TO 0.30 MI EAST OF SYLVAN



PROPOSED - IH30 MAINLANES WITH NARROW INSIDE SHOULDERS & HOV ENTRANCE/EXIT
0.30 EAST OF SYLVAN TO WEST OF HARDWICK

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IH 35E

PROPOSED TYPICAL SECTION

IH 30 MAINLANES

SHEET 4 OF 9

DGN: TLH	FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
CHK DGN: TLH	X	TEXAS	XX XXXX (XXX)			IH 35E
DWG: JMD	DIST.	COUNTY	CONT. NO.	SECT. NO.	JOB NO.	SHEET NO.
CHK DWG: SH	DALLAS	DALLAS	0196	03	205	9

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Scale: 1:40
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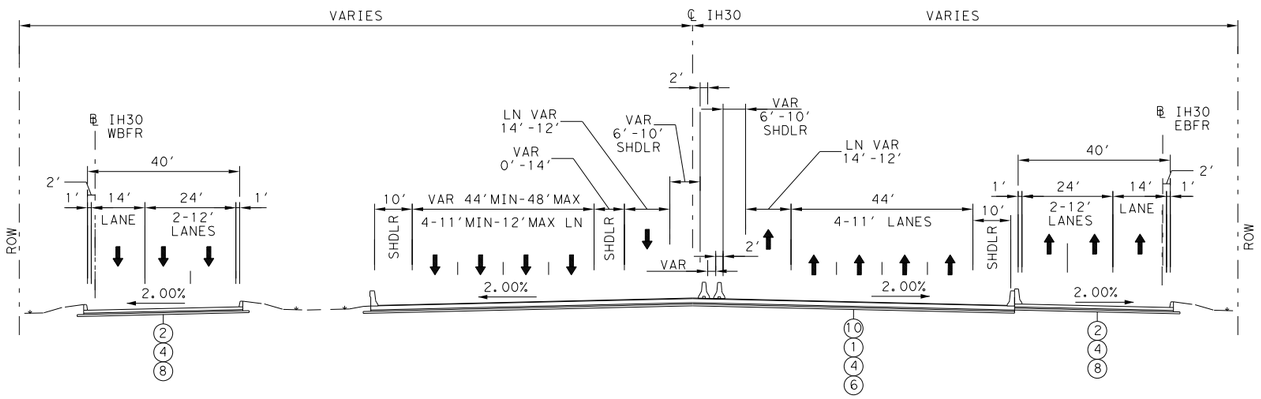
LEGEND

1. 13" CRCP
2. 9" CRCP
3. 8" CRCP
4. 4" TY B PG 64-22 HMAC
5. 13" LIME TREATED SUBGRADE (7%)
6. 10" LIME TREATED SUBGRADE (5%)
7. 6" LIME TREATED SUBGRADE (7%)
8. 6" LIME TREATED SUBGRADE (5%)
9. 6" LIME TREATED SUBGRADE (4%)
10. 1½" POROUS FRICTION COURSE



PROPOSED - IH30 MAINLANES WITH FULL SHOULDERS
WEST OF HARDWICK TO HARDWICK

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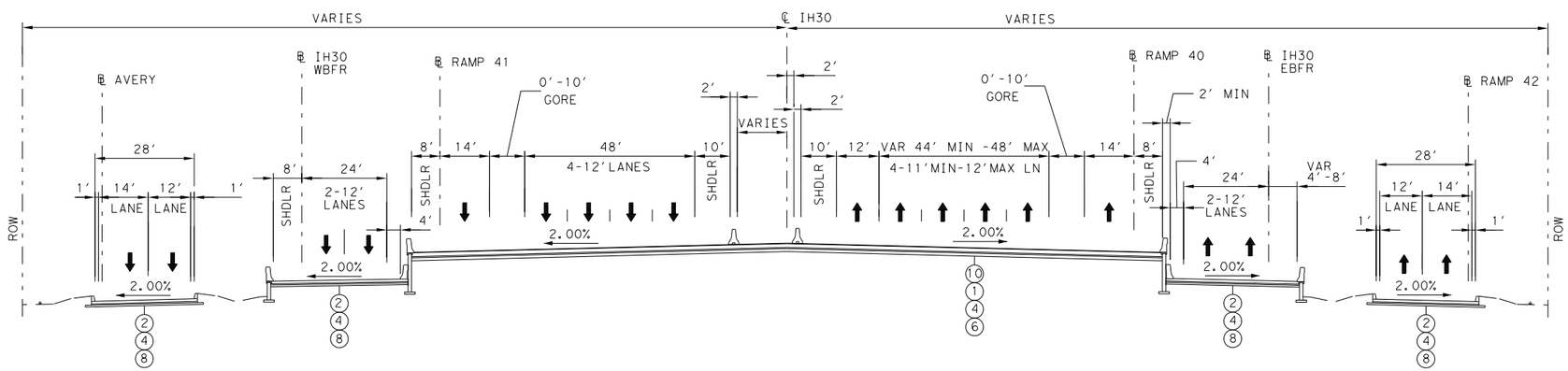
P.E. Serial No.: 91200
Date: 6/8/2012



PROPOSED - IH30 MAINLANES WITH FULL SHOULDERS
HARDWICK TO BECKLEY

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IH 35E

PROPOSED TYPICAL SECTIONS

IH 30 MAINLANES

SHEET 5 OF 9

DGN: TLH	FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
CHK DGN: TLH	X	TEXAS	XX XXXX (XXX)			IH 35E
DWG: JMD	DIST.	COUNTY	CONT. NO.	SECT. NO.	JOB NO.	SHEET NO.
CHK DWG: SH	DALLAS	DALLAS	0196	03	205	9

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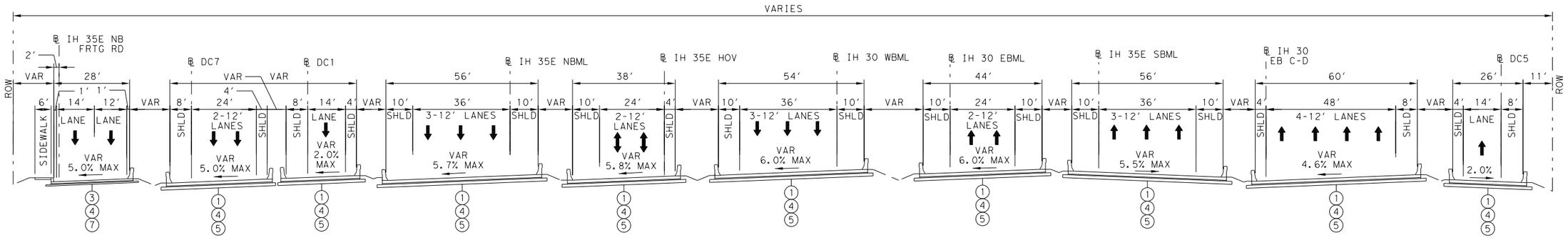

PROPOSED - IH 30

IH 30 EBML - 0.05 MI WEST OF HOUSTON ST VIADUCT TO 0.12 MI WEST OF HOTEL ST

LEGEND

1. 13" CRCP
2. 9" CRCP
3. 8" CRCP
4. 4" TY B PG 64-22 HMAC
5. 13" LIME TREATED SUBGRADE (7%)
6. 10" LIME TREATED SUBGRADE (5%)
7. 6" LIME TREATED SUBGRADE (7%)
8. 6" LIME TREATED SUBGRADE (5%)
9. 6" LIME TREATED SUBGRADE (4%)
10. 1½" POROUS FRICTION COURSE

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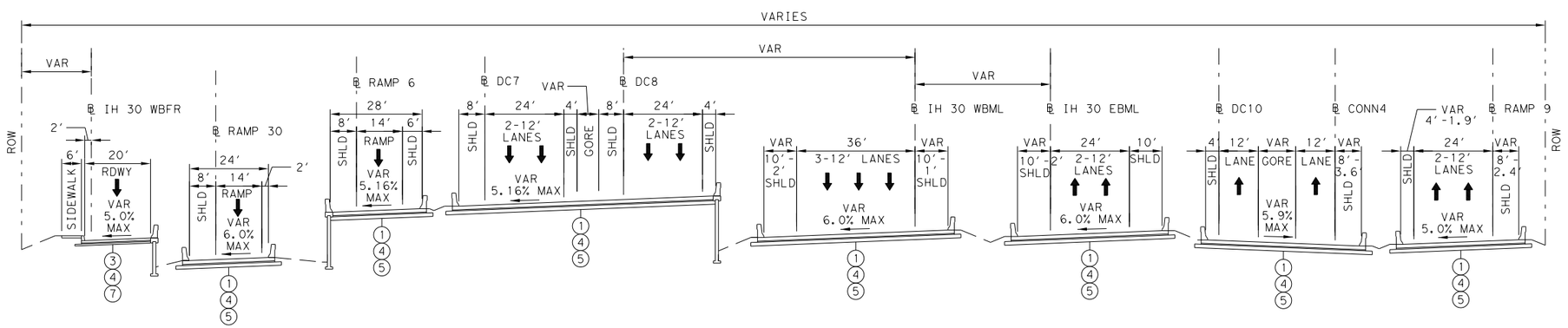

PROPOSED - IH 30

0.12 MI WEST OF HOTEL ST TO 200' WEST OF HOTEL ST

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PROPOSED TYPICAL SECTIONS

IH 30 MAINLANES

SHEET 6 OF 9

DGN: SMS	FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
CHK DGN: FJS	X	TEXAS	XX XXXX(XXX)			IH 35E
DWG:	DIST.	COUNTY	CONT. NO.	SECT. NO.	JOB NO.	SHEET NO.
CHK DWG:	DALLAS	DALLAS	0196	03	205	9

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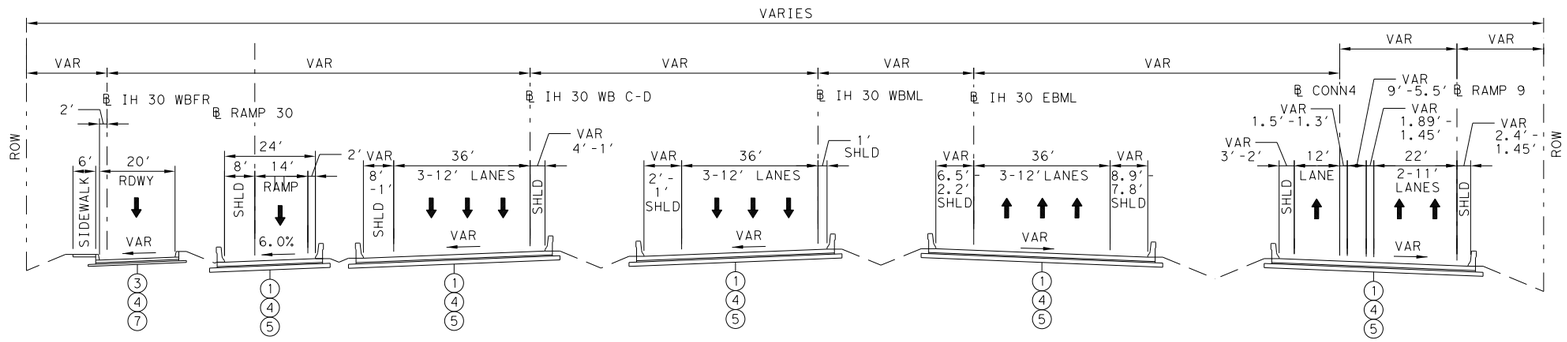
LEGEND

1. 13" CRCP
2. 9" CRCP
3. 8" CRCP
4. 4" TY B PG 64-22 HMAC
5. 13" LIME TREATED SUBGRADE (7%)
6. 10" LIME TREATED SUBGRADE (5%)
7. 6" LIME TREATED SUBGRADE (7%)
8. 6" LIME TREATED SUBGRADE (5%)
9. 6" LIME TREATED SUBGRADE (4%)
10. 1½" POROUS FRICTION COURSE



PROPOSED - IH 30
200' WEST OF HOTEL ST TO HOTEL ST

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Engineer: BRYCE M. TURENTINE
P.E. Serial No.: 91200
Date: 6/8/2012

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PROPOSED TYPICAL SECTIONS

IH 30 MAINLANES

SHEET 7 OF 9

DGN: SMS	FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
CHK DGN: FJS	X	TEXAS	XX XXXX(XXX)			IH 35E
DWG:	DIST.	COUNTY	CONT. NO.	SECT. NO.	JOB NO.	SHEET NO.
CHK DWG:	DALLAS	DALLAS	0196	03	205	9

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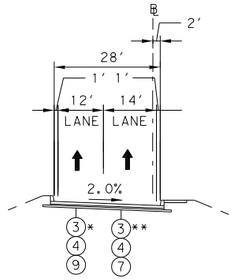
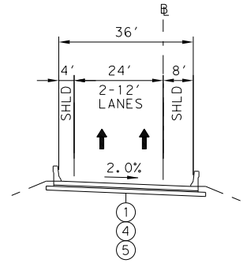


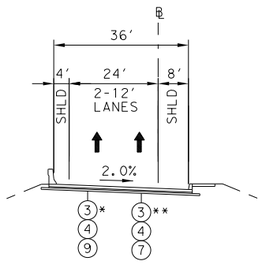
PROPOSED FRONTAGE ROAD TYPICAL SECTION

*IH 35E NBFR - NORTH OF SH180 TO S OF FLEMING
**IH 35E NBFR - NORTH OF HOTEL TO REUNION BLVD



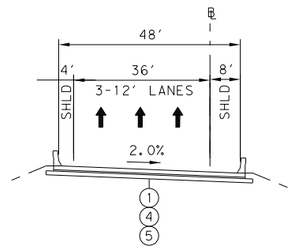
PROPOSED COLLECTOR-DISTRIBUTOR TYPICAL SECTION

CD 4 - IH 35 NB C-D TO IH 30 EB C-D



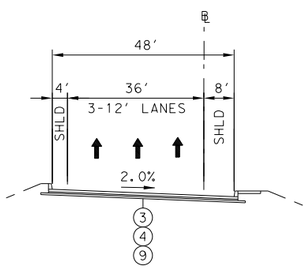
PROPOSED FRONTAGE ROAD TYPICAL SECTION

*IH 35E NBFR - COLORADO BLVD TO IH 35E NB C-D
**IH 35E NBFR - IH 35E NB C-D TO RIVERFRONT BLVD



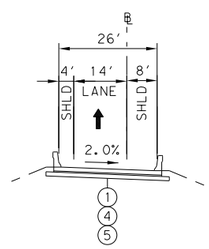
PROPOSED COLLECTOR-DISTRIBUTOR TYPICAL SECTION

CD 30 EB - IH 35E SB TO IH 30 EB C-D
BETWEEN RAMPS



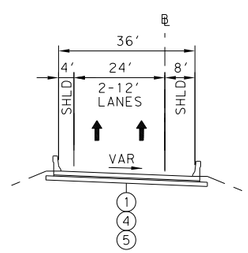
PROPOSED FRONTAGE ROAD TYPICAL SECTION

IH 35E SBFR - IH 35E SB C-D TO COLORADO BLVD



PROPOSED RAMP TYPICAL SECTION

RAMP 5 - CD 30 EB TO CADIZ STREET
RAMP 8 - DC 5 TO IH 35E SB C-D
RAMP 11 - IH 35E NB TO REUNION BLVD
RAMP 31 - DC 7 TO IH 35 NBFR
RAMP 37 - IH 35E SB C-D TO IH 35E SB



PROPOSED RAMP TYPICAL SECTION

RAMP 5 - CD 30 EB TO CADIZ ST
RAMP 8 - RIVERFRONT BLVD TO IH 35E SB C-D
RAMP 9 - CD 30 EB TO 30 WB C-D
RAMP 24 - IH 35E SB TO IH 30 EB C-D

LEGEND

1. 13" CRCP
2. 9" CRCP
3. 8" CRCP
4. 4" TY B PG 64-22 HMAC
5. 13" LIME TREATED SUBGRADE (7%)
6. 10" LIME TREATED SUBGRADE (5%)
7. 6" LIME TREATED SUBGRADE (7%)
8. 6" LIME TREATED SUBGRADE (5%)
9. 6" LIME TREATED SUBGRADE (4%)
10. 1½" POROUS FRICTION COURSE

INTERIM REVIEW ONLY
Document incomplete: not intended for permit, bidding or construction.
Engineer: BRYCE M. TURENTINE
P.E. Serial No.: 91200
Date: 6/8/2012

REV. NO.	DATE	DESCRIPTION	BY

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IH 35E

PROPOSED TYPICAL SECTIONS

FRONTAGE ROADS, C-D'S, DC'S, RAMPS

SHEET 8 OF 9

DGN: SMS	FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
CHK DGN: FJS	X	TEXAS	XX XXXX(XXX)			IH 35E
DWG:	DIST.	COUNTY	CONT. NO.	SECT. NO.	JOB NO.	SHEET NO.
CHK DWG:	DALLAS	DALLAS	0196	03	205	9

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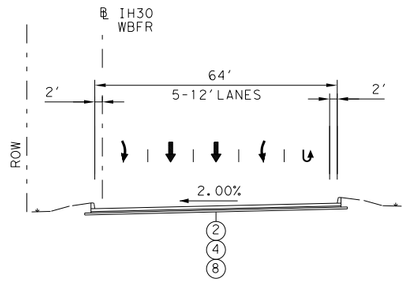
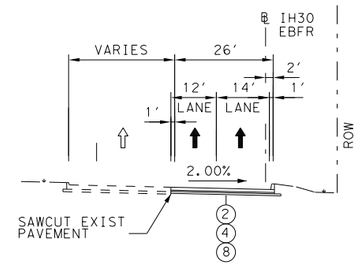


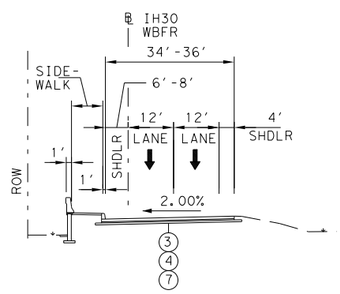
PROPOSED - IH30 WBFR
SYLVAN TO EAST OF SYLVAN



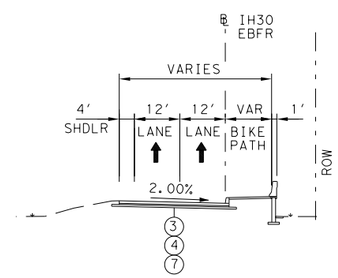
PROPOSED - IH30 EBFR
OAK KNOLL TO DEALEY AVENUE

LEGEND

1. 13" CRCP
2. 9" CRCP
3. 8" CRCP
4. 4" TY B PG 64-22 HMAC
5. 13" LIME TREATED SUBGRADE (7%)
6. 10" LIME TREATED SUBGRADE (5%)
7. 6" LIME TREATED SUBGRADE (7%)
8. 6" LIME TREATED SUBGRADE (5%)
9. 6" LIME TREATED SUBGRADE (4%)
10. 1½" POROUS FRICTION COURSE



PROPOSED - IH 30 WBFR
EAST LEVEE TO RIVERFRONT



PROPOSED - IH 30 EBFR
EAST LEVEE TO RIVERFRONT

INTERIM REVIEW ONLY
Document incomplete: not intended for permit, bidding or construction.
Engineer: BRYCE M. TURENTINE
P.E. Serial No.: 91200
Date: 6/8/2012

REV. NO.	DATE	DESCRIPTION	BY

HNTB Corporation
The HNTB Companies
Engineers Architects Planners
TBPE FIRM REGISTRATION NO.: 420

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IH 35E

PROPOSED TYPICAL SECTIONS

FRONTAGE ROADS, C-D'S, DC'S, RAMPS

SHEET 9 OF 9

DGN: LH	FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
CHK-DGN: TLH	X	TEXAS	XX XXXX (XXX)			IH 35E
DWG: JMD	DIST.	COUNTY	CONT. NO.	SECT. NO.	JOB NO.	SHEET NO.
CHK-DWG: SH	DALLAS	DALLAS	0196	03	205	9

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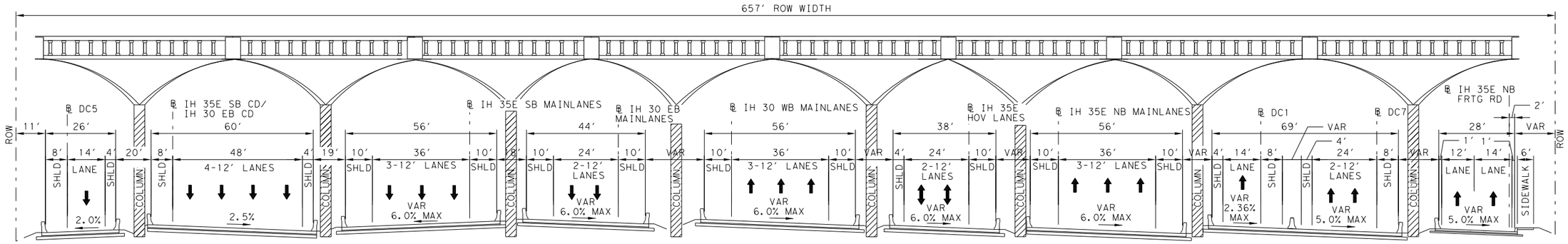
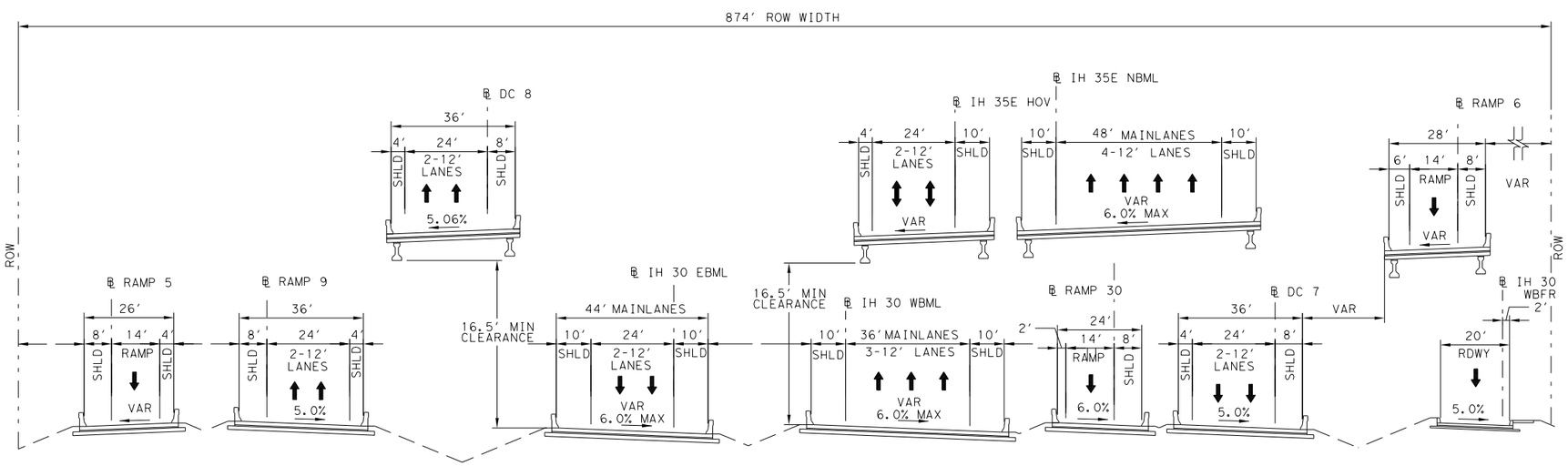


PROPOSED TYPICAL SECTION - IH 35E/IH 30 @ HOUSTON STREET VIADUCT

AT HOUSTON VIADUCT



PROPOSED TYPICAL SECTION - IH 35E/IH 30

IH 35E NBML - SOUTH OF HOUSTON VIADUCT

INTERIM REVIEW ONLY
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Engineer: BRYCE M. TURENTINE
P.E. Serial No.: 91200
Date: 6/8/2012

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IH 35E

PROPOSED TYPICAL SECTIONS

HORSESHOE OVERALL SECTIONS

SHEET 1 OF 2

DGN: SMS	FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
CHK DGN: FJS	X	TEXAS	XX XXXX(XXX)			IH 35E
DWG:	DIST.	COUNTY	CONT. NO.	SECT. NO.	JOB NO.	SHEET NO.
CHK DWG:	DALLAS	DALLAS	0196	03	205	9

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Plotted on: 6/8/2012 1:22:53 PM

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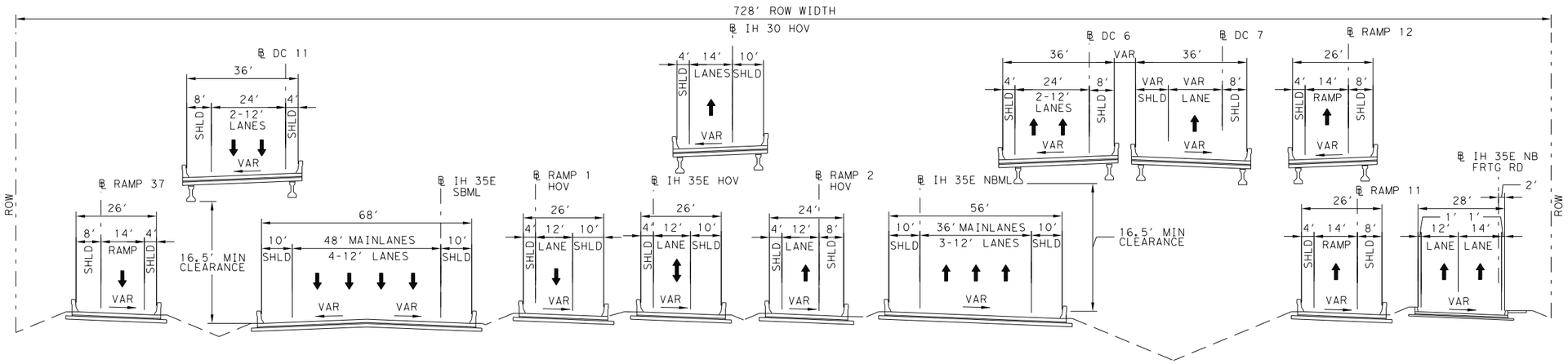

PROPOSED TYPICAL SECTION - IH 35E
IH 35E NBML - NORTH OF HOUSTON VIADUCT

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Engineer: BRYCE M. TURENTINE
P.E. Serial No.: 91200
Date: 6/8/2012

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IH 35E

PROPOSED TYPICAL SECTIONS

HORSESHOE OVERALL SECTIONS

SHEET 2 OF 2

DGN: SMS	FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.			HIGHWAY NO.
CHK DGN: FJS	X	TEXAS	XX XXXX(XXX)			IH 35E
DWG:	DIST.	COUNTY	CONT. NO.	SECT. NO.	JOB NO.	SHEET NO.
CHK DWG:	DALLAS	DALLAS	0196	03	205	9

Scale: 1:40
Plotted on: 6/8/2012 1:22:54 PM

Pen Table:cvd*pentable*co.tbl
Design Filename: c:\coddlib\pw\ssinclair\centraldiv\dms59731\IH35E*TYPNM01.dgn