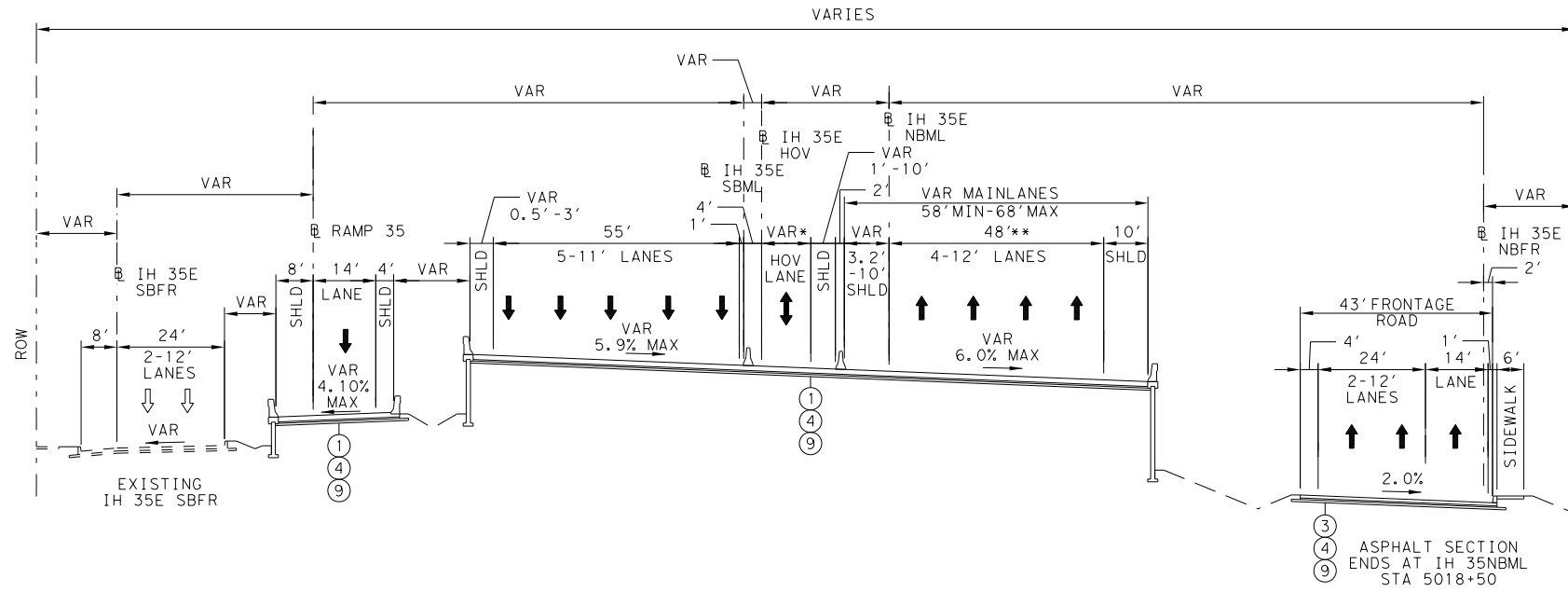


**Texas Department of Transportation
Book 2 – Technical Provisions**

Horseshoe Design-Build Project

**Attachment 8-1
Proposed Typical Sections**

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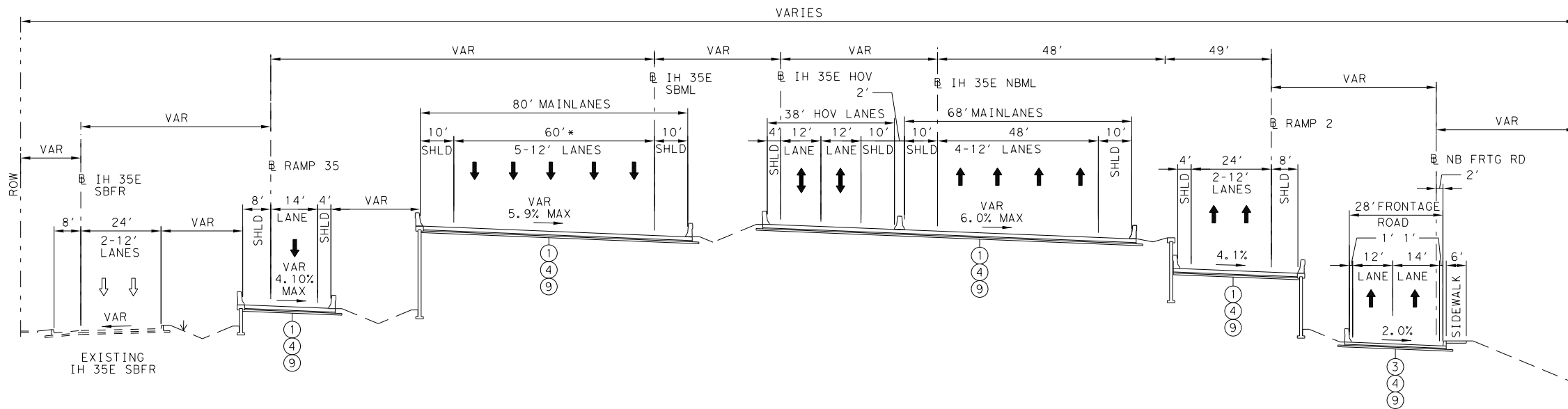


PROPOSED - IH 35E
 BEGIN PROJECT TO 0.10 MI SOUTH OF COLORADO BLVD
 *LANE TRANSITIONS FROM 11' TO 24'
 **LANES TRANSITION FROM 44' TO 48'

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 1 1/2" POROUS FRICTION COURSE

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



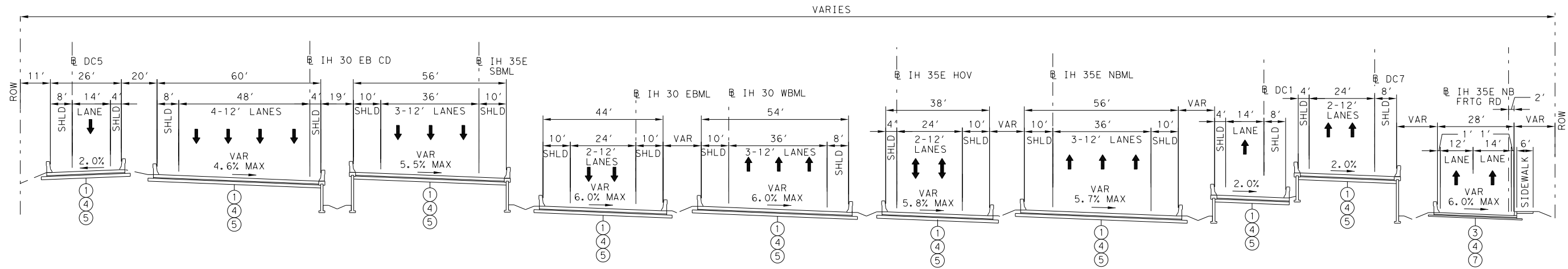
PROPOSED - IH 35E
 0.10 MI SOUTH OF COLORADO BLVD TO COLORADO BLVD
 *LANES TRANSITION FROM 55' TO 60'

CONCRETE SECTION
 BEGINS IH 35E NBML
 STA 5018+50

REV. NO.	DATE	DESCRIPTION	BY
 HNTB Corporation The HNTB Companies Engineers Architects Planners TBPE FIRM REGISTRATION NO.: 420			
 Texas Department of Transportation IH 35E PROPOSED TYPICAL SECTIONS IH 35E MAINLANES			
SHEET 1 OF 9			
DGN: SMS	FED. RD. DIV. NO.:	STATE:	FEDERAL AID PROJECT NO.:
CHK: FJS	X	TEXAS	XX XXXX (XXX)
DWG:	DIST.:	COUNTY:	CONT. NO. SECT. NO. JOB NO. SHEET NO.
CHK: DWG:	DALLAS	DALLAS	0196 03 205 9

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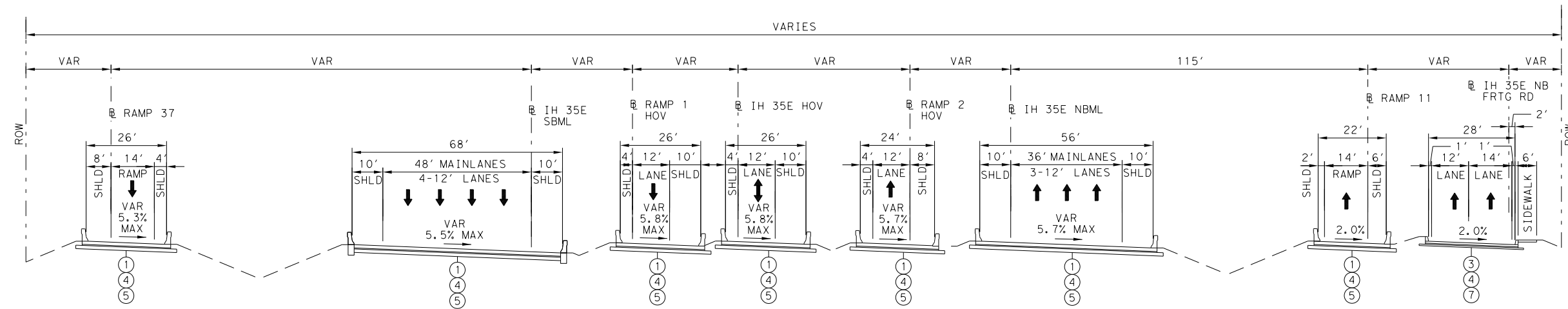


PROPOSED - IH 35E
 0.10 MI EAST OF JEFFERSON BLVD VIADUCT TO 0.20 MI WEST OF HOUSTON ST VIADUCT

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 1/2" POROUS FRICTION COURSE

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



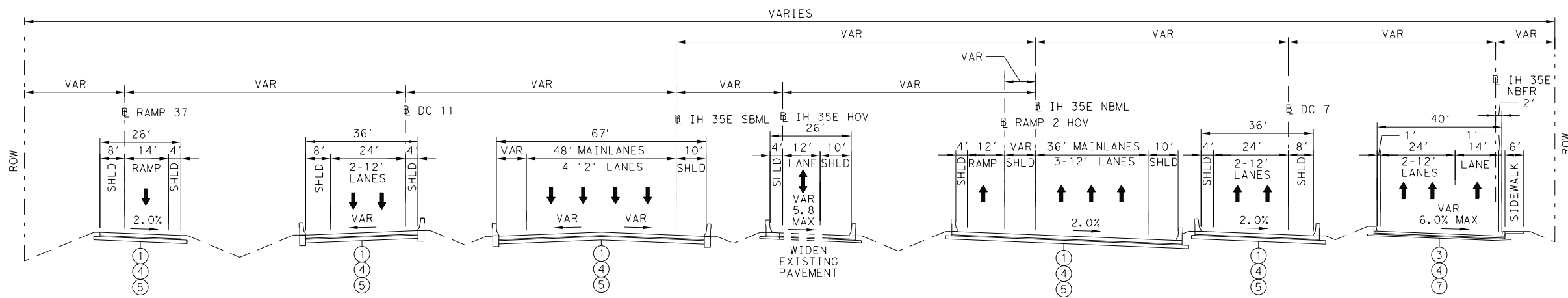
PROPOSED - IH 35E
 0.20 MI WEST OF HOUSTON ST VIADUCT TO 0.10 MI SOUTH OF REUNION BLVD

REV. NO.	DATE	DESCRIPTION	BY
HNTB Corporation The HNTB Companies Engineers Architects Planners TBPE FIRM REGISTRATION NO.: 420			
IH 35E PROPOSED TYPICAL SECTIONS IH 35E MAINLANES			
SHEET 2 OF 9			
DGN: SMS	FED. RD. DIV. NO.:	STATE:	FEDERAL AID PROJECT NO.:
DGN: FJS	X	TEXAS	XX XXXX (XXX)
DGN:	DIST.:	COUNTY:	CONT. NO. SECT. NO. JOB NO. SHEET NO.:
DGN:	DALLAS	DALLAS	0196 03 205 9

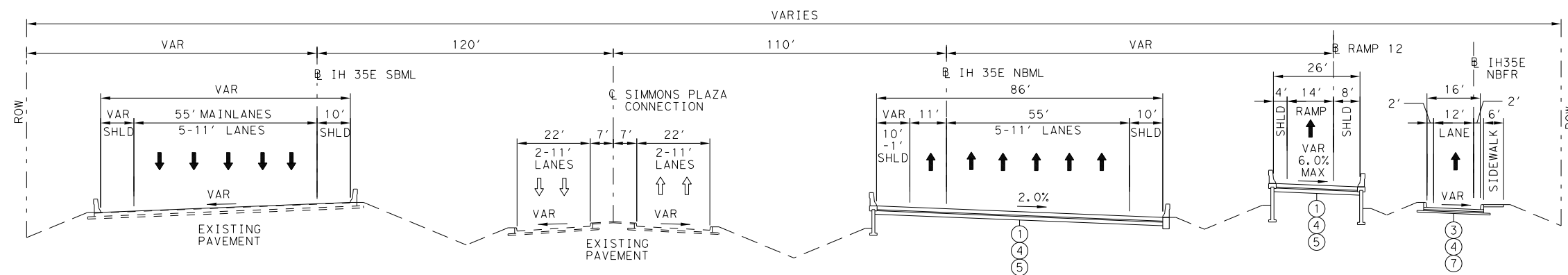
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PROPOSED - IH 35E
 0.10 MI SOUTH OF REUNION BLVD TO REUNION BLVD





PROPOSED - IH 35E
 REUNION BLVD TO END PROJECT

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 1/2" POROUS FRICTION COURSE

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

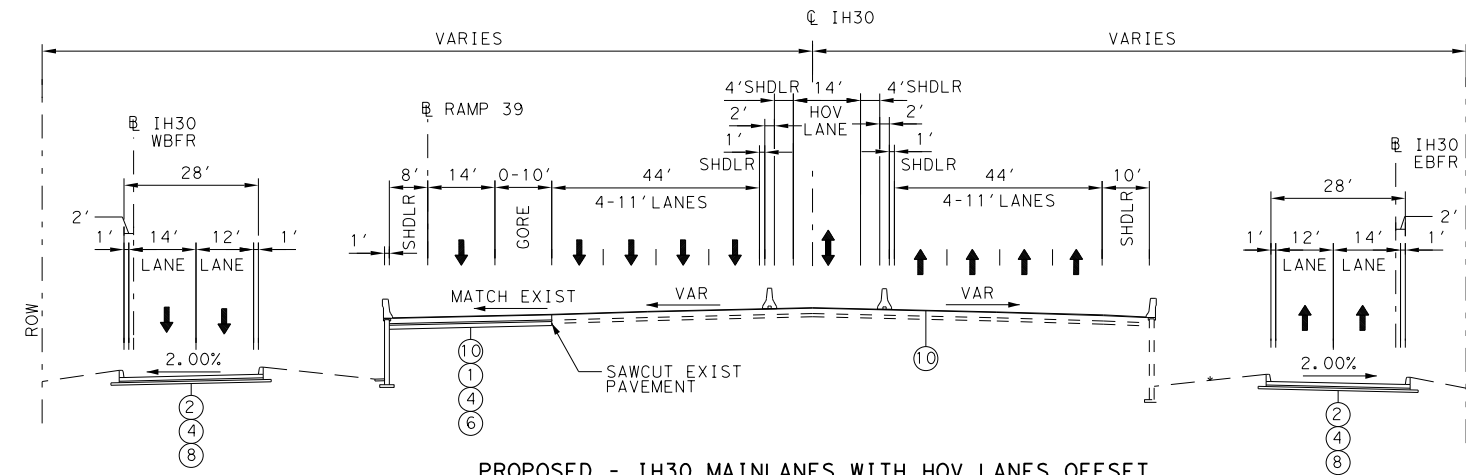
REV. NO.	DATE	DESCRIPTION	BY
 HNTB Corporation The HNTB Companies Engineers Architects Planners TBPE FIRM REGISTRATION NO.: 420			
 Texas Department of Transportation			
IH 35E PROPOSED TYPICAL SECTIONS IH 35E MAINLANES			
SHEET 3 OF 9			
DGN: SMS	FED. RD. DIV. NO.:	STATE:	FEDERAL AID PROJECT NO.:
DWG: FJS	X	TEXAS	XX XXXX (XXX)
DWG:	DIST.:	COUNTY:	CONT. NO. SECT. NO. JOB NO. SHEET NO.
DWG:	DALLAS	DALLAS	0196 03 205 9

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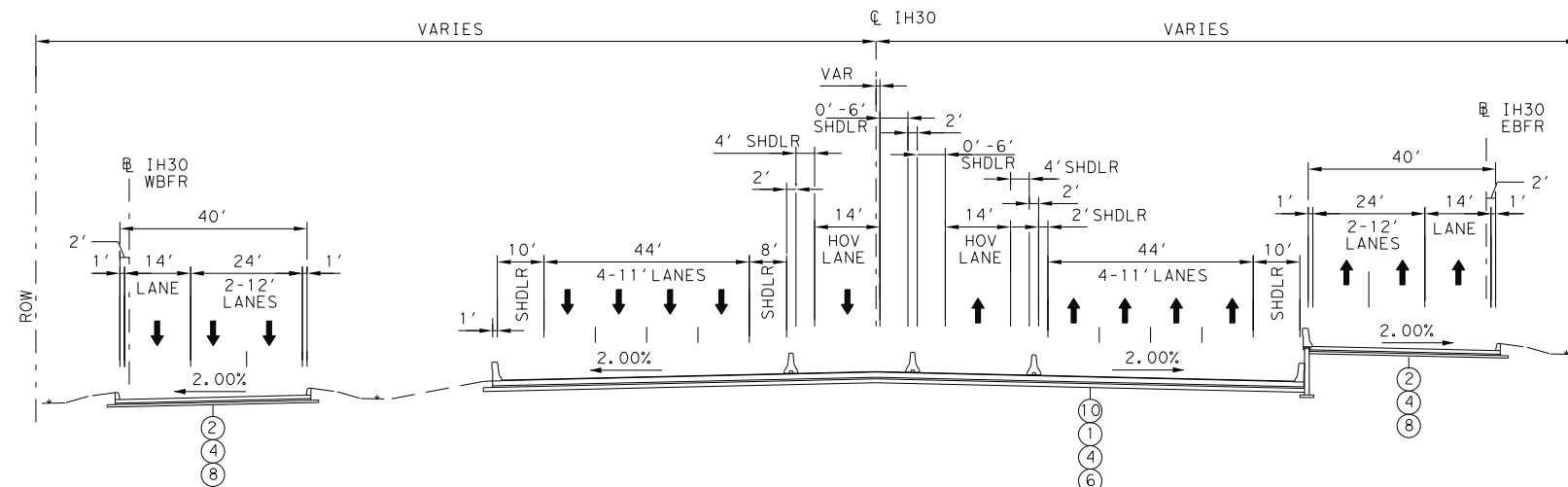
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LEGEND

- 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 1/2" 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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 Engineer: BRYCE M. TURENTINE
 P.E. Serial No.: 91200
 Date: 6/8/2012

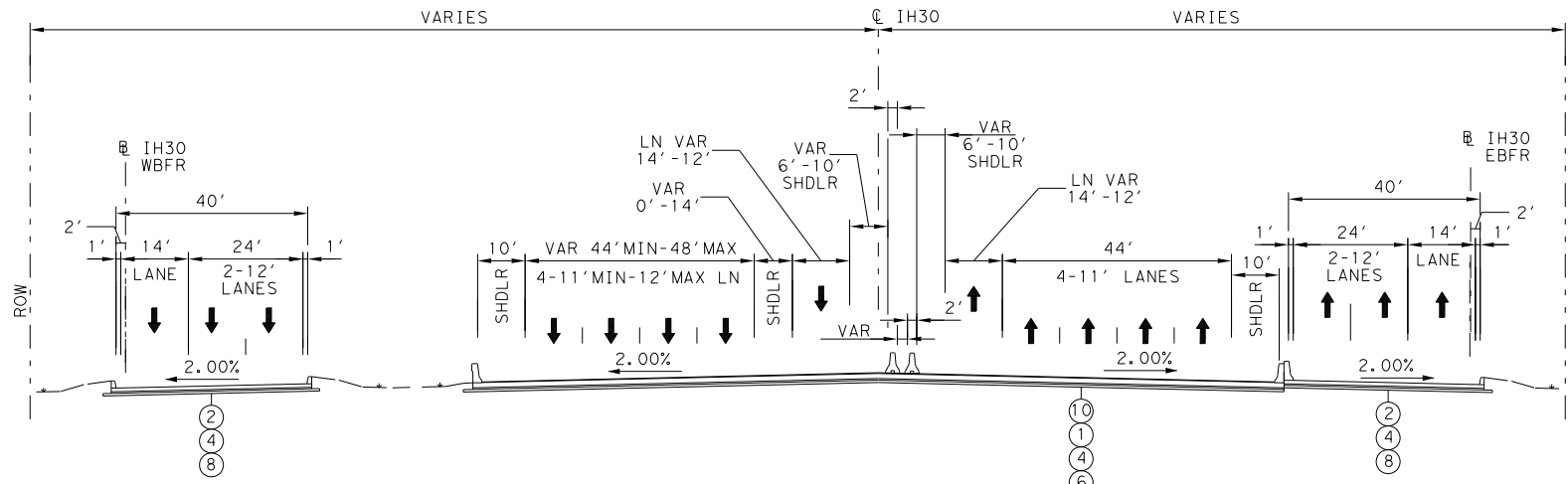
REV. NO.	DATE	DESCRIPTION	BY
 HNTB Corporation The HNTB Companies Engineers Architects Planners TBPE FIRM REGISTRATION NO.: 420			
 IH 35E PROPOSED TYPICAL SECTION IH 30 MAINLANES			
SHEET 4 OF 9			
DWG: TLH	FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.
DWG: TLH	X	TEXAS	XX XXXX (XXX)
DWG: JMD	DIST.	COUNTY	CONT. NO. SECT. NO. JOB NO.
DWG: SH	DALLAS	DALLAS	0196 03 205
			SHEET NO. 9

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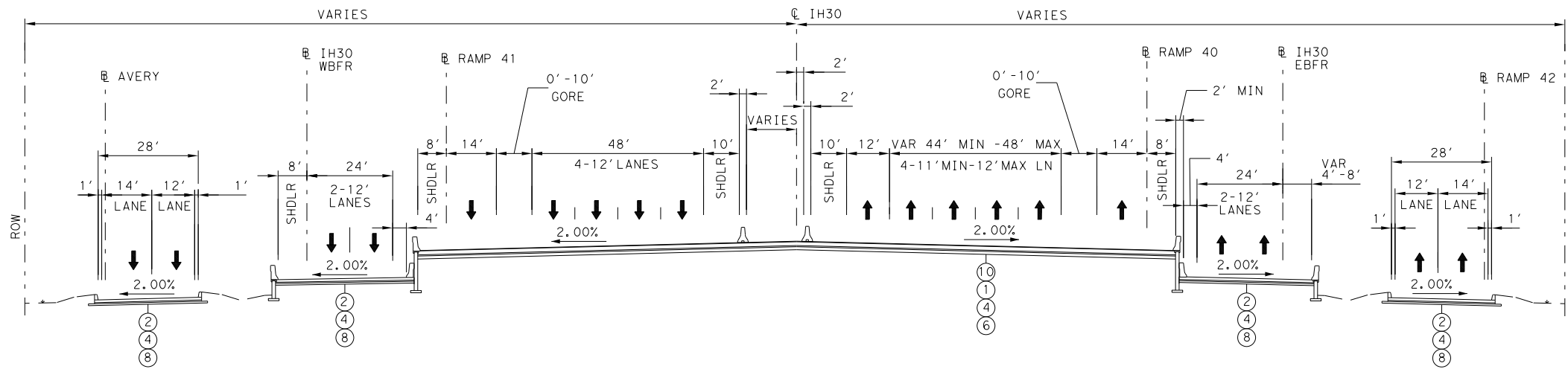
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LEGEND

- ① 13" CRCP
- ② 9" CRCP
- ③ 8" CRCP
- ④ 4" TY B PG 64-22 HMA
- 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 1/2" POROUS FRICTION COURSE



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

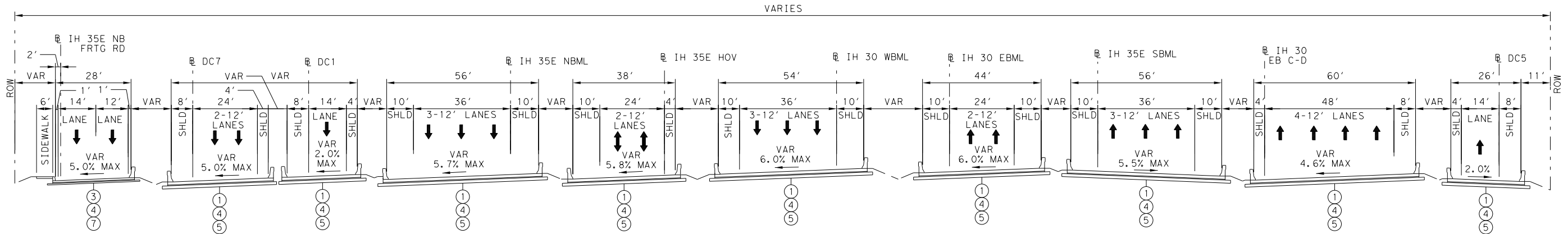


**PROPOSED - IH30 MAINLANES WITH FULL SHOULDERS
 HARDWICK TO BECKLEY**

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 Engineer: BYRCE 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			
IH 30 MAINLANES			
SHEET 5 OF 9			
DWG: TLH	FED. RD. DIV. NO.	STATE	FEDERAL AID PROJECT NO.
DWG: TLH	X	TEXAS	XX XXXX (XXX)
DWG: JMD	DIST.	COUNTY	CONT. NO. SECT. NO. JOB NO.
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			SHEET NO. 9

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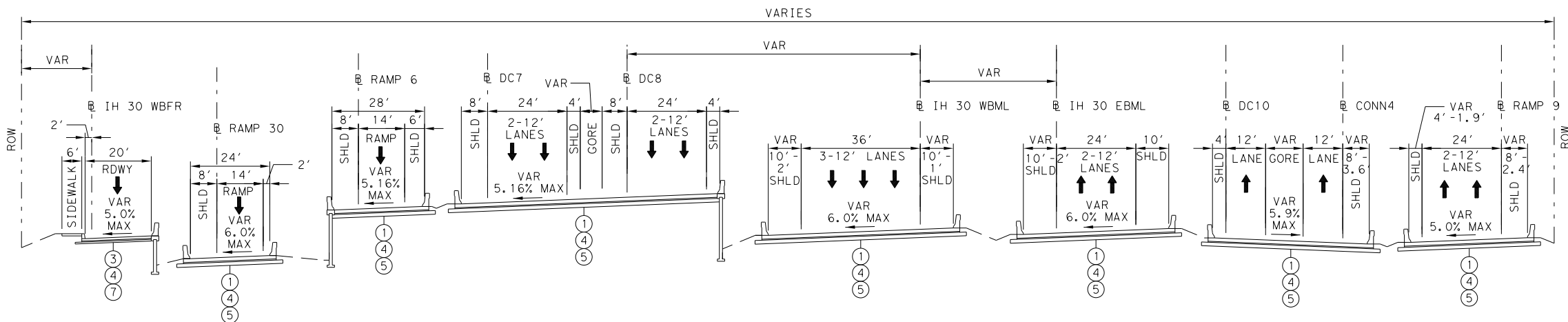
PROPOSED - IH 30
 IH 30 EBML - 0.05 MI WEST OF HOUSTON ST VIADUCT TO 0.12 MI WEST OF HOTEL ST

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 1/2" POROUS FRICTION COURSE

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

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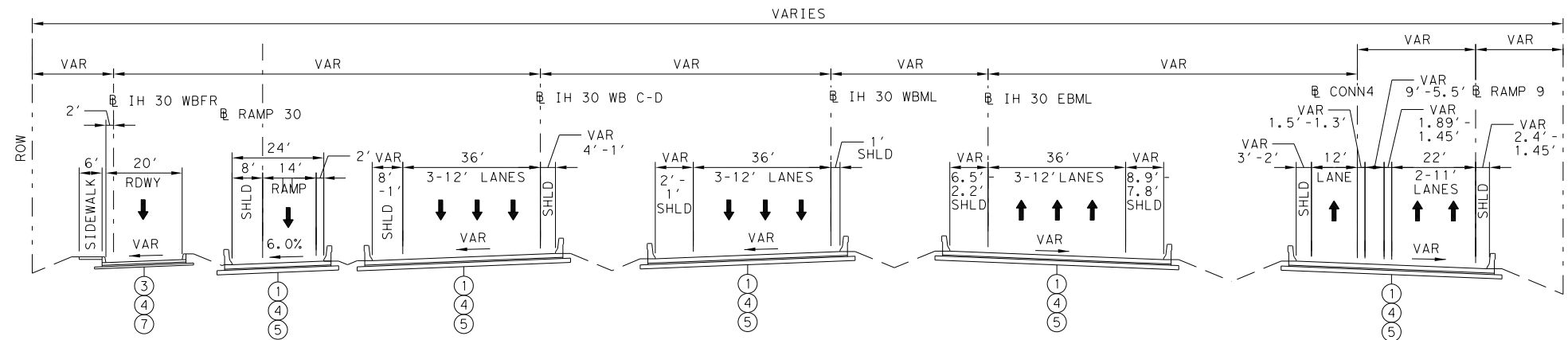


PROPOSED - IH 30
 0.12 MI WEST OF HOTEL ST TO 200' WEST OF HOTEL ST

REV. NO.	DATE	DESCRIPTION	BY
 HNTB Corporation The HNTB Companies Engineers Architects Planners TBPE FIRM REGISTRATION NO.: 420			
 Texas Department of Transportation IH 35E PROPOSED TYPICAL SECTIONS IH 30 MAINLANES			
SHEET 6 OF 9			
DGN:	SMS	FED. RD. DIV. NO.:	X
STATE:	TEXAS	FEDERAL AID PROJECT NO.:	XX XXXX (XXX)
DIST.:	DALLAS	COUNTY:	DALLAS
CONT. NO.:	0196	SECT. NO.:	03
JOB NO.:	205	SHEET NO.:	9

LEGEND

- ① 13" CRCP
- ② 9" CRCP
- ③ 8" CRCP
- ④ 4" TY B PG 64-22 HM-C
- ⑤ 13" LIME TRE-TED SUBGR-DE (7%)
- ⑥ 10" LIME TRE-TED SUBGR-DE (5%)
- ⑦ 6" LIME TRE-TED SUBGR-DE (7%)
- ⑧ 6" LIME TRE-TED SUBGR-DE (5%)
- ⑨ 6" LIME TRE-TED SUBGR-DE (4%)
- ⑩ 1/2" 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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HNTB HNTB Corporation
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 Engineers Architects Planners
 TBPE FIRM REGISTR-TION NO.: 420

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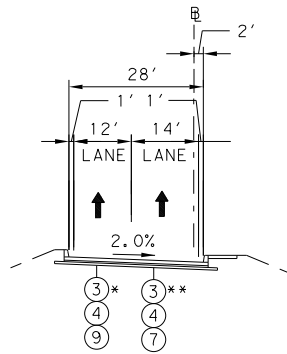
IH 35E
 PROPOSED TYPICAL SECTIONS
 IH 30 M-INL-NES

SHEET 7 OF 9

DGN:	SMS	FED. RD. DIV. NO.	ST-TE	FEDER-L -ID PROJECT NO.	HIGH-W-Y NO.
CHK:	FJS	X	TEX-S	XX XXXX (XXX)	IH 35E
DWG:		DIST.	COUNTY	CONT. NO.	SECT. NO.
CHK:		D-LL-S	D-LL-S	0196	03
DWG:				205	9

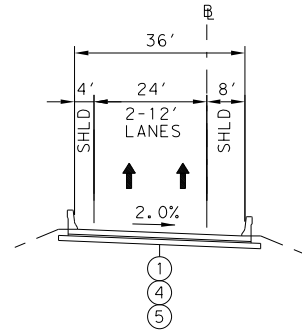
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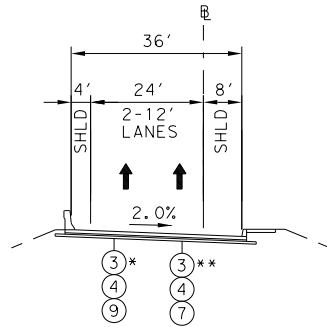
PROPOSED FRONTAGE ROAD TYPICAL SECTION

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



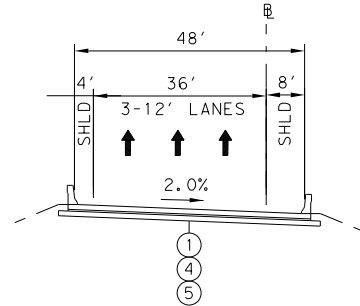
PROPOSED COLLECTOR-DISTRIBUTOR TYPICAL SECTION

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



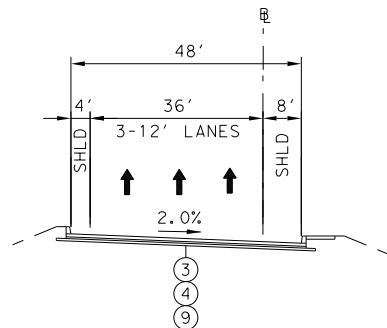
PROPOSED FRONTAGE ROAD TYPICAL SECTION

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



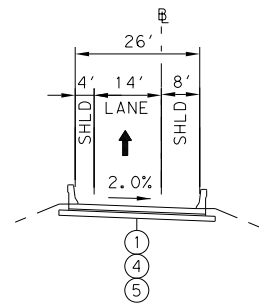
PROPOSED COLLECTOR-DISTRIBUTOR TYPICAL SECTION

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



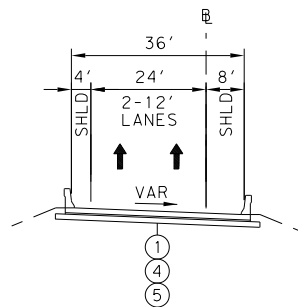
PROPOSED FRONTAGE ROAD TYPICAL SECTION

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

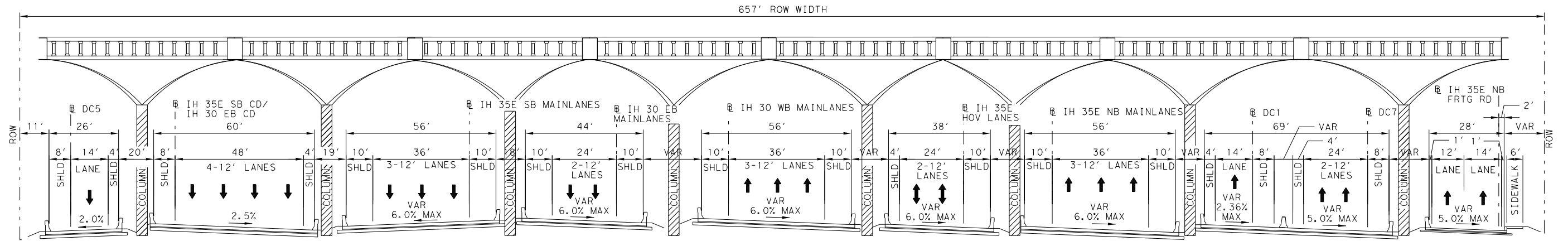
LEGEND

- 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 1/2" POROUS FRICTION COURSE

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

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 HNTB Corporation The HNTB Companies Engineers Architects Planners TBPE FIRM REGISTRATION NO.: 420			
 © TxDOT 2012 IH 35E PROPOSED TYPICAL SECTIONS FRONTAGE ROADS, C-D'S, DC'S, RAMPS			
SHEET 8 OF 9			
DGN:	SMS	FED. RD. DIV. NO.	STATE
CHK:	FJS	X	TEXAS
DWG:		DIST.	COUNTY
CHK:		DALLAS	DALLAS
DWG:		CONT. NO.	SECT. NO.
		0196	03
		JOB NO.	SHEET NO.
		205	9
		FEDERAL AID PROJECT NO.	HIGHWAY NO.
		XX XXXX (XXX)	IH 35E

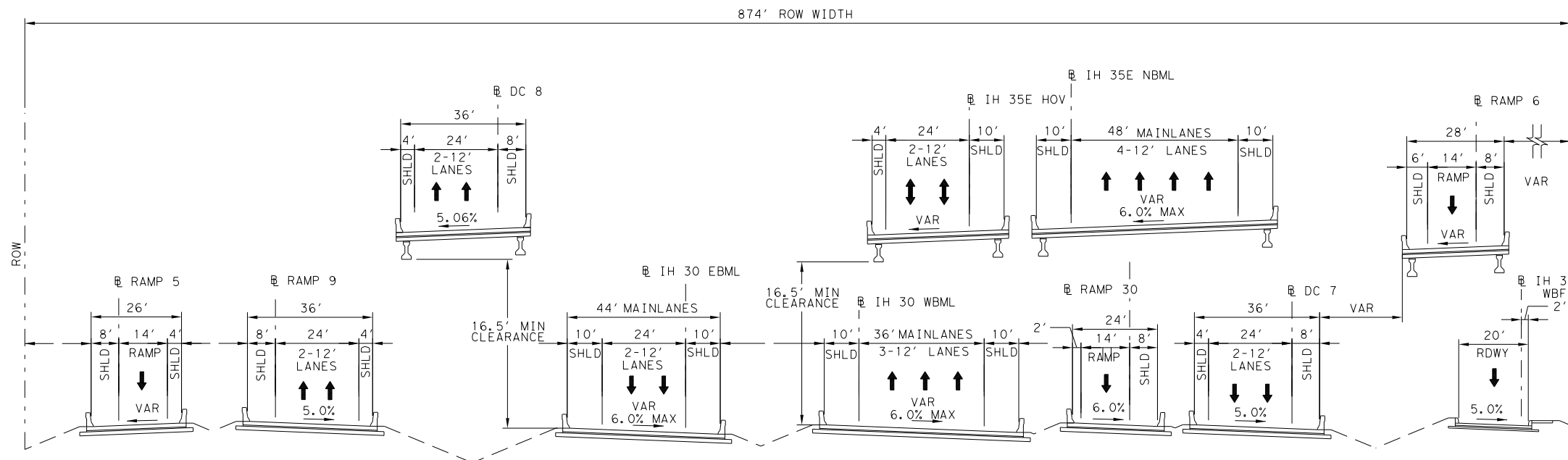
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PROPOSED TYPICAL SECTION - IH 35E/IH 30 @ HOUSTON STREET VIADUCT
 AT HOUSTON VIADUCT

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

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 Design File name: c:\cadd\lib\pww\ssinc\air\central\div\dms59731\IH35E\TYPMM01.dgn



PROPOSED TYPICAL SECTION - IH 35E/IH 30
 IH 35E NBML - SOUTH OF HOUSTON VIADUCT

REV. NO.	DATE	DESCRIPTION	BY

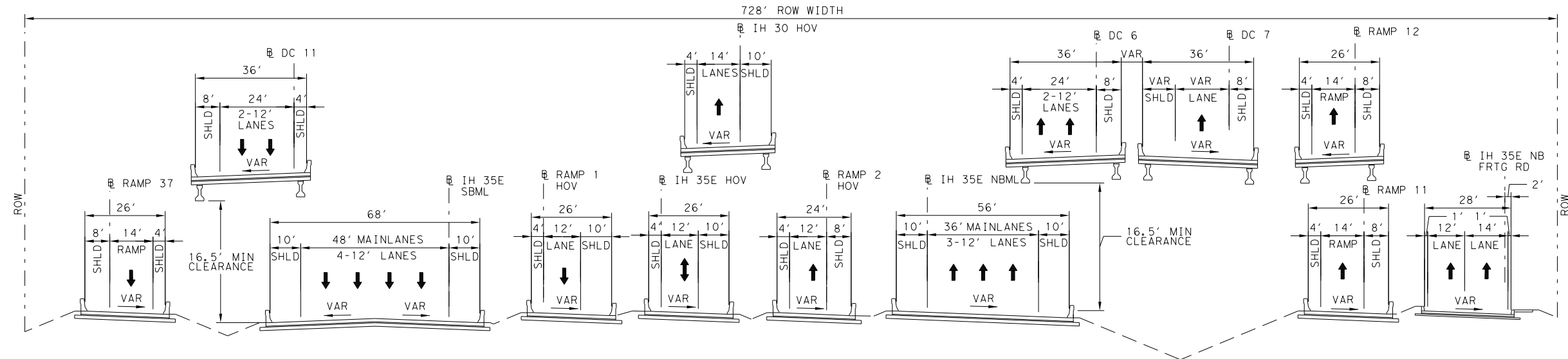
HNTB HNTB Corporation
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IH 35E
 PROPOSED TYPICAL SECTIONS
 HORSESHOE OVERALL SECTIONS

SHEET 1 OF 2

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



PROPOSED TYPIC-L SECTION - IH 35E
 IH 35E NBML - NORTH OF HOUSTON VI-DUCT

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

REV. NO.	D-TE	DESCRIPTION	BY

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

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IH 35E
 PROPOSED TYPICAL SECTIONS
 HORSESHOE OVER-LL SECTIONS

SHEET 2 OF 2

DGN:	SMS	FED. RD. DIV. NO.	ST-TE	FEDER-L -ID PROJECT NO.	HIGHWAY NO.
CHK:	FJS	X	TEX-S	XX XXXX (XXX)	IH 35E
DWG:	DIST.	COUNTY	CONT. NO.	SECT. NO.	JOB NO.
CHK:	D-LL-S	D-LL-S	0196	03	205
DWG:					9