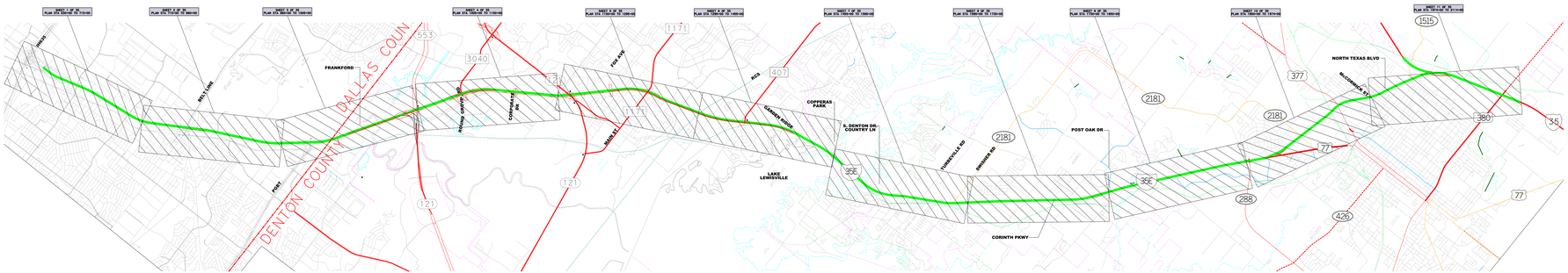
IH-35E MANAGED LANES
WORK PACKAGE NO. 4



INDEX OF PLAN SHEETS

SCALE: NTS
DATE: NOVEMBER 12, 2012

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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY	
TODAKIS CARRASCO	12/1968
NAME	P.E. NUMBER
PHILLIP WINKLEY	75313
NAME	P.E. NUMBER
May 9, 2013	
DATE	

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Texas Department of Transportation

IH 35E MANAGED LANES

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PARSONS HDR | AGA CONSTRUCTORS | IH 35E MANAGED LANES

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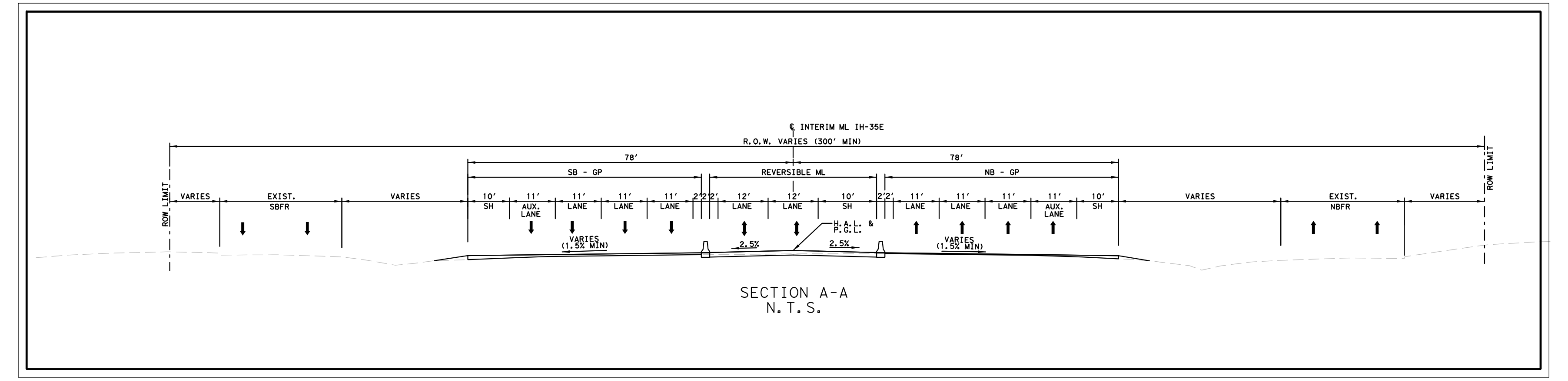

SECTION A-A
N.T.S.

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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI	113668
NAME	P.E. NUMBER
PHILLIP HANLEY	91815
NAME	P.E. NUMBER

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

LEGEND:

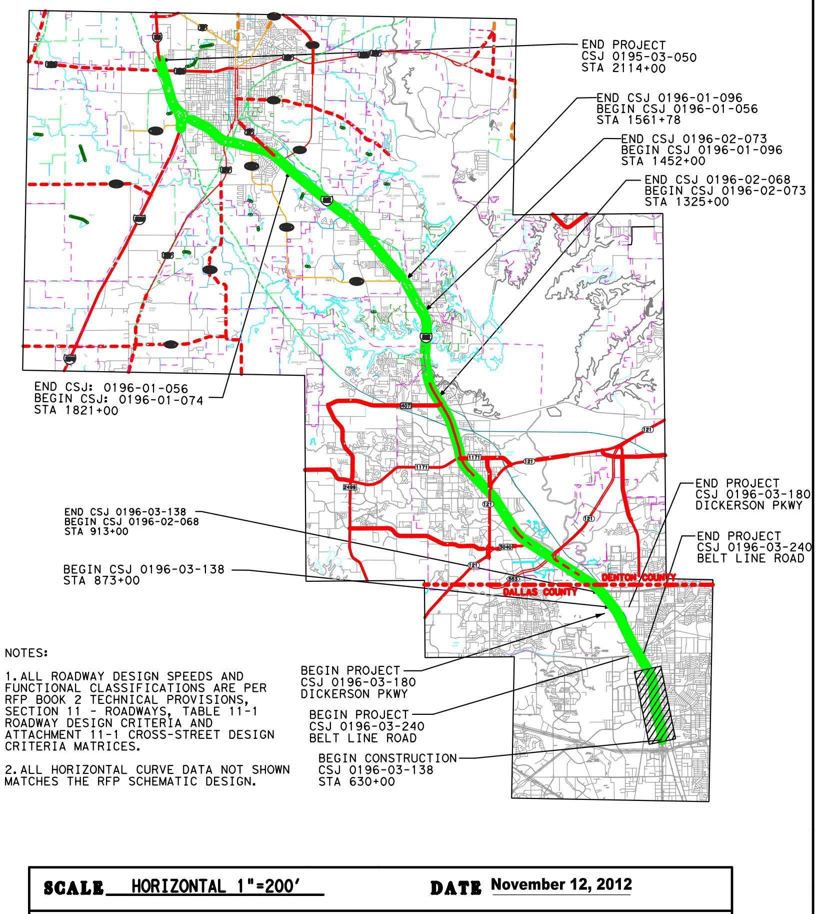
- FULL DEPTH CONSTRUCTION
- MILL AND OVERLAY
- BRIDGES
- DISPLACEMENTS
- EXISTING ROW
- PROPOSED ROW
- PROPOSED CENTERLINE/BASELINE
- PROPOSED RETAINING WALL
- PROPOSED BARRIER
- PROPOSED METAL BEAM GUARD FENCE
- PROPOSED NOISE WALL
- CONTROL OF ACCESS
- LIMITS OF CONSTRUCTION
- ULTIMATE ROADWAY
- EXISTING CULVERT
- PROPOSED CULVERT
- FUTURE STREETS
- SIGN BRIDGES
- PROPOSED GANTRY
- XX BRIDGE NUMBER
- REX-XX WALL NUMBER
- LOCATION OF ATTENUATOR
- XX CURVE NUMBER
- X NUMBER OF LANES

Texas Department of Transportation

IH 35E MANAGED LANES

CONFIDENTIAL

PARSONS HDR | AGL CONSTRUCTORS ARCHER WESTERN | GRANITE | LANE | IH 35E MANAGED LANES



NOTES:

1. ALL ROADWAY DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS ARE PER RFP BOOK 2 TECHNICAL PROVISIONS, SECTION 11 - ROADWAYS, TABLE 11-1 ROADWAY DESIGN CRITERIA AND ATTACHMENT 11-1 CROSS-STREET DESIGN CRITERIA MATRICES.

2. ALL HORIZONTAL CURVE DATA NOT SHOWN MATCHES THE RFP SCHEMATIC DESIGN.

SCALE HORIZONTAL 1"=200'	**DATE** November 12, 2012
DESIGNED BY	**COUNTY** Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
PLAN STA. 630+00 TO 715+00	WORK PACKAGE 4
DRAWING NO.	**SHEET NO. 1 OF 35**

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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI	113668
NAME	P.E. NUMBER
PHILLIP HANLEY	91815
NAME	P.E. NUMBER

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Texas Department of Transportation

IH 35E MANAGED LANES

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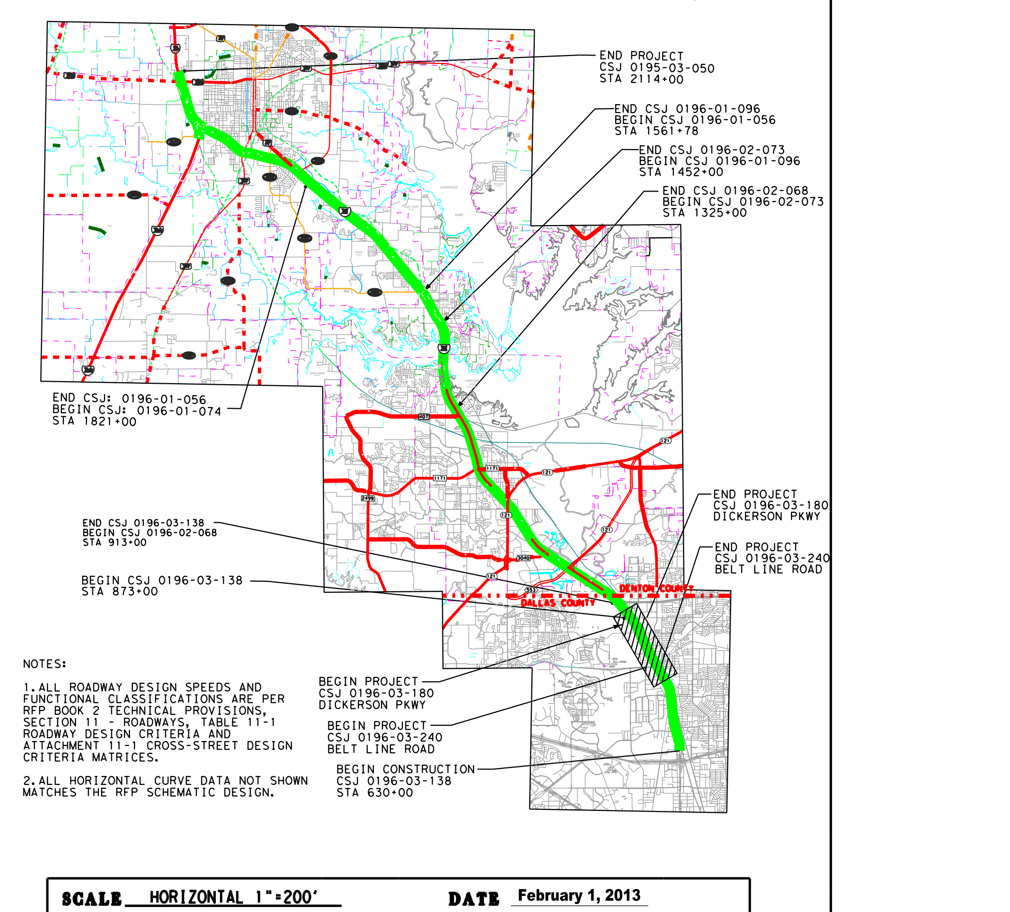
HDR
AGL CONSTRUCTORS
ARCHER WESTERN | GRANITE | LANE
INTERSTATE TEXAS 35E
IH 35E MANAGED LANES



LEGEND:

- FULL DEPTH CONSTRUCTION
- MILL AND OVERLAY
- BRIDGES
- DISPLACEMENTS
- EXISTING ROW
- PROPOSED ROW
- PROPOSED CENTERLINE/BASELINE
- PROPOSED RETAINING WALL
- PROPOSED BARRIER
- PROPOSED METAL BEAM GUARD FENCE
- PROPOSED NOISE WALL
- CONTROL OF ACCESS
- LIMITS OF CONSTRUCTION
- ULTIMATE ROADWAY
- EXISTING CULVERT
- PROPOSED CULVERT
- FUTURE STREETS
- SIGN BRIDGES
- PROPOSED GANTRY
- BRIDGE NUMBER
- WALL NUMBER
- LOCATION OF ATTENUATOR
- CURVE NUMBER
- NUMBER OF LANES

NOTES:

1. ALL ROADWAY DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS ARE PER RFP BOOK 2 TECHNICAL PROVISIONS, SECTION 11 - ROADWAYS, TABLE 11-1 ROADWAY DESIGN CRITERIA AND ATTACHMENT 11-1 CROSS-STREET DESIGN CRITERIA MATRICES.

2. ALL HORIZONTAL CURVE DATA NOT SHOWN MATCHES THE RFP SCHEMATIC DESIGN.

SCALE HORIZONTAL 1"=200'	**DATE** February 1, 2013
DESIGNED BY	**COUNTY** Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
PLAN STA. 715+00 TO 860+00	WORK PACKAGE 4
DRAWING NO.	**SHEET NO. 2 OF 35**

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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI	113668
NAME	P.E. NUMBER
PHILLIP HANLEY	91815
NAME	P.E. NUMBER

May 8, 2013
DATE

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Texas Department of Transportation

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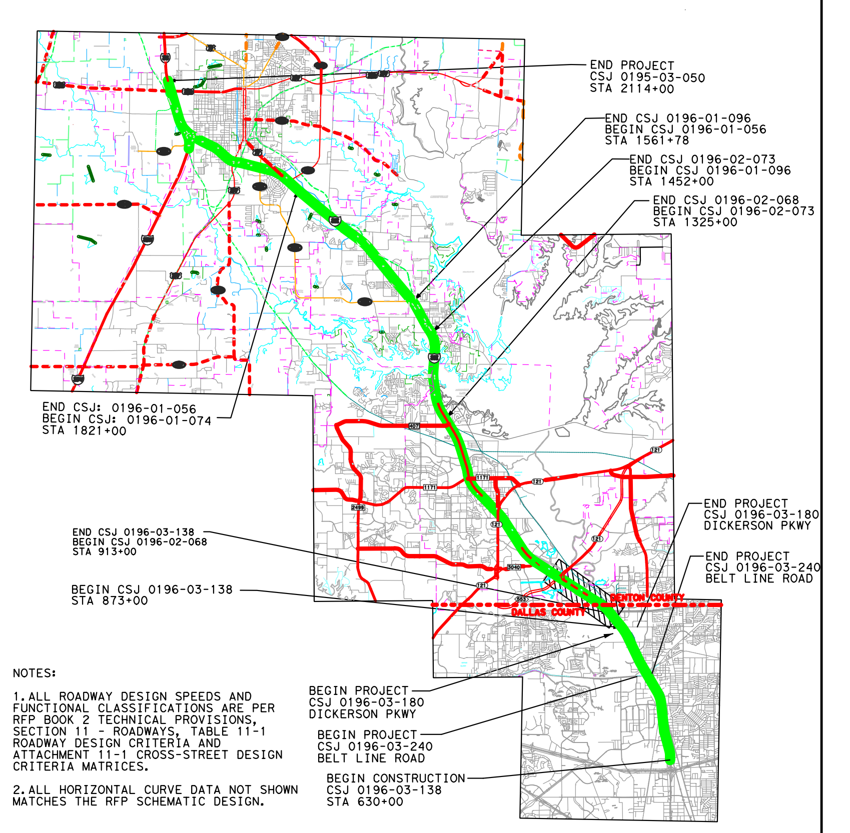
INTERSTATE TEXAS 35E
IH 35E MANAGED LANES



LEGEND:

- FULL DEPTH CONSTRUCTION
- MILL AND OVERLAY
- BRIDGES
- DISPLACEMENTS
- EXISTING ROW
- PROPOSED ROW
- PROPOSED CENTERLINE/BASELINE
- PROPOSED RETAINING WALL
- PROPOSED BARRIER
- PROPOSED METAL BEAM GUARD FENCE
- PROPOSED NOISE WALL
- CONTROL OF ACCESS
- LIMITS OF CONSTRUCTION
- ULTIMATE ROADWAY
- EXISTING CULVERT
- PROPOSED CULVERT
- FUTURE STREETS
- SIGN BRIDGES
- PROPOSED GANTRY
- XX BRIDGE NUMBER
- REX-XX WALL NUMBER
- LOCATION OF ATTENUATOR
- XX CURVE NUMBER
- X NUMBER OF LANES

NOTES:

1. ALL ROADWAY DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS ARE PER RFP BOOK 2 TECHNICAL PROVISIONS, SECTION 11 - ROADWAYS, TABLE 11-1 ROADWAY DESIGN CRITERIA AND ATTACHMENT 11-1 CROSS-STREET DESIGN CRITERIA MATRICES.

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SCALE HORIZONTAL 1"=200'	DATE November 12, 2012
DESIGNED BY	COUNTY Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
PLAN STA. 860+00 TO 1005+00	WORK PACKAGE 4
DRAWING NO.	SHEET NO. 3 OF 35

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PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI	113668
NAME	P.E. NUMBER
PHILLIP HANLEY	91815
NAME	P.E. NUMBER

May 8, 2013
DATE

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Texas Department of Transportation

IH 35E MANAGED LANES

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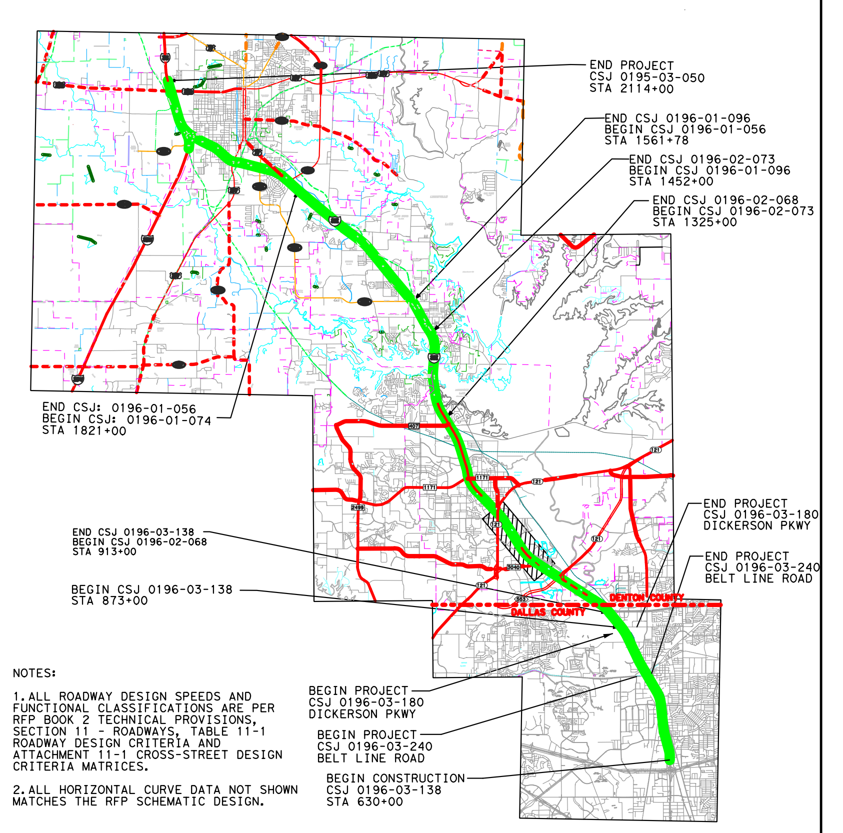
AGL CONSTRUCTORS
ARCHER WESTERN | GRANITE | LANE
IH 35E MANAGED LANES



LEGEND:

- FULL DEPTH CONSTRUCTION
- MILL AND OVERLAY
- BRIDGES
- DISPLACEMENTS
- EXISTING ROW
- PROPOSED ROW
- PROPOSED CENTERLINE/BASELINE
- PROPOSED RETAINING WALL
- PROPOSED BARRIER
- PROPOSED METAL BEAM GUARD FENCE
- PROPOSED NOISE WALL
- CONTROL OF ACCESS
- LIMITS OF CONSTRUCTION
- ULTIMATE ROADWAY
- EXISTING CULVERT
- PROPOSED CULVERT
- FUTURE STREETS
- SIGN BRIDGES
- PROPOSED GANTRY
- (XX) BRIDGE NUMBER
- REX-XX WALL NUMBER
- LOCATION OF ATTENUATOR
- (XX) CURVE NUMBER
- (X) NUMBER OF LANES

NOTES:

1. ALL ROADWAY DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS ARE PER RFP BOOK 2 TECHNICAL PROVISIONS, SECTION 11 - ROADWAYS, TABLE 11-1 ROADWAY DESIGN CRITERIA AND ATTACHMENT 11-1 CROSS-STREET DESIGN CRITERIA MATRICES.

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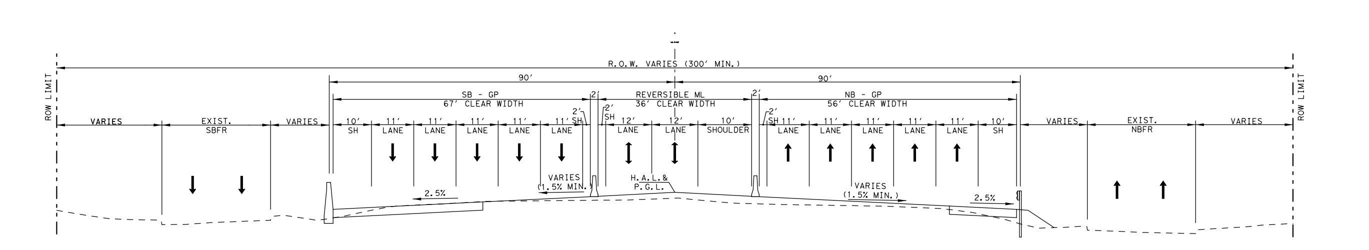
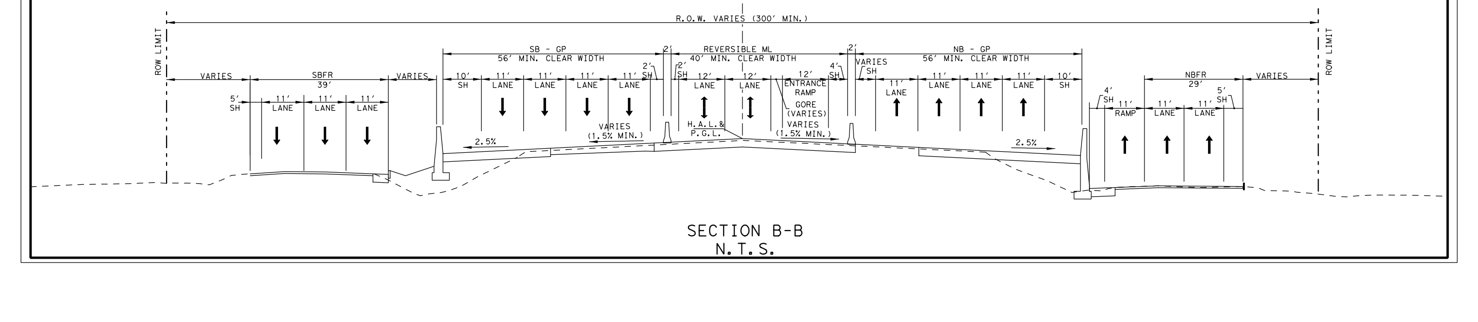
SCALE HORIZONTAL 1"=200'	**DATE** November 12, 2012
DESIGNED BY	**COUNTY** Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
PLAN STA. 1005+00 TO 1150+00	WORK PACKAGE 4
DRAWING NO.	**SHEET NO. 4 OF 35**



SECTION A-A
N.T.S.



SECTION B-B
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PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI	113668
NAME	P.E. NUMBER
PHILLIP HANLEY	91815
NAME	P.E. NUMBER

May 8, 2013
DATE

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Texas Department of Transportation

IH 35E MANAGED LANES

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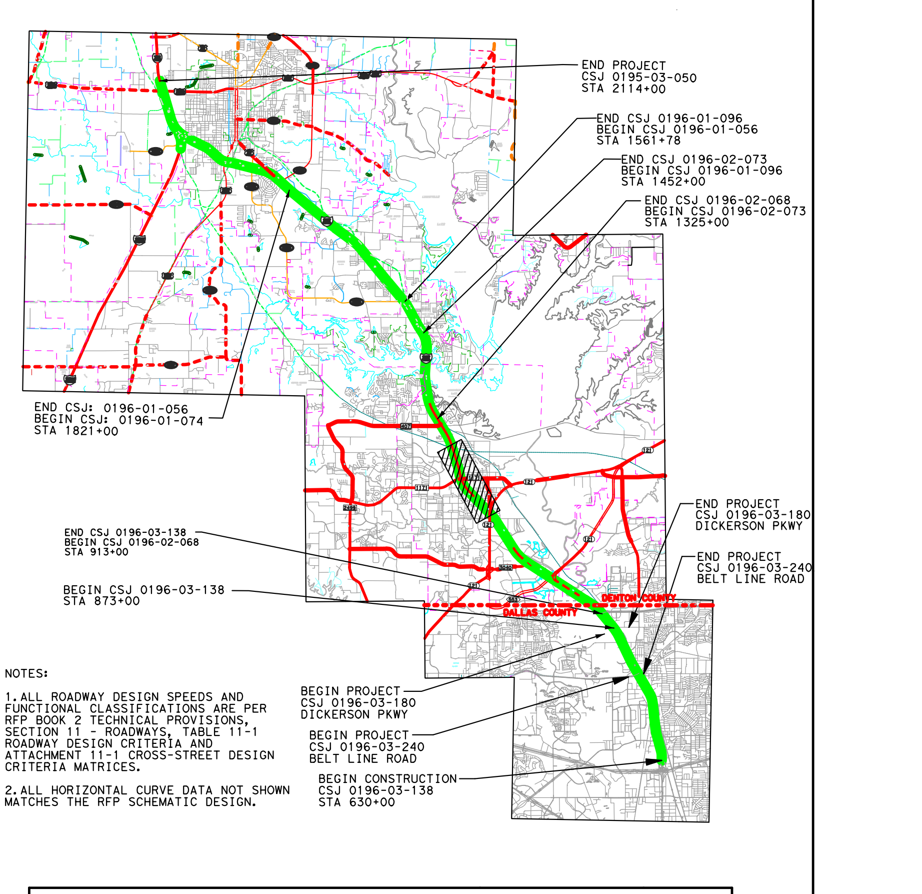
INTERSTATE TEXAS 35E
IH 35E MANAGED LANES



LEGEND:

- FULL DEPTH CONSTRUCTION
- MILL AND OVERLAY
- BRIDGES
- SIDEWALK/SHARED USE PATH
- DISPLACEMENT
- EXISTING ROW
- PROPOSED ROW
- PROPOSED CENTERLINE/BASELINE
- PROPOSED RETAINING WALL
- PROPOSED BARRIER
- PROPOSED METAL BEAM GUARD FENCE
- PROPOSED NOISE WALL
- CONTROL OF ACCESS
- ULTIMATE ROADWAY
- EXISTING CULVERT
- PROPOSED CULVERT
- SIGN BRIDGES
- PROPOSED GANTRY
- XX BRIDGE NUMBER
- REX-XX WALL NUMBER
- LOCATION OF ATTENUATOR
- XX CURVE NUMBER
- X NUMBER OF LANES

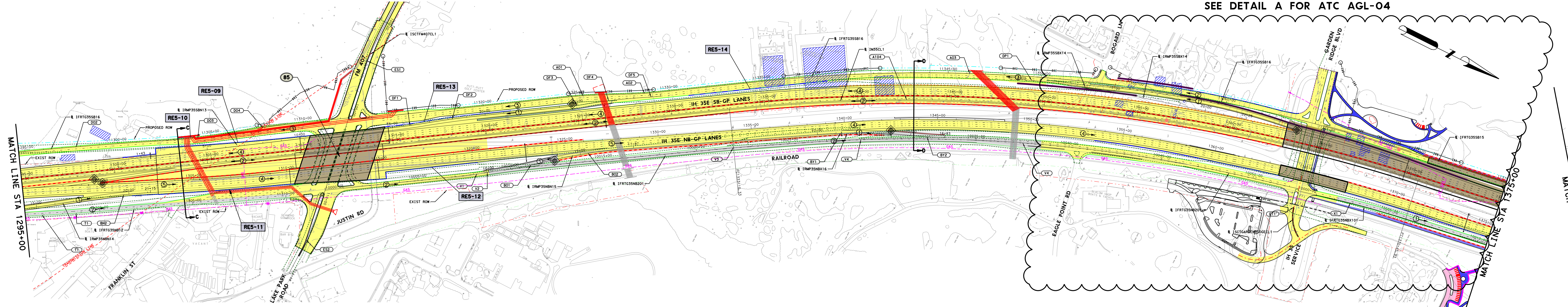
NOTES:

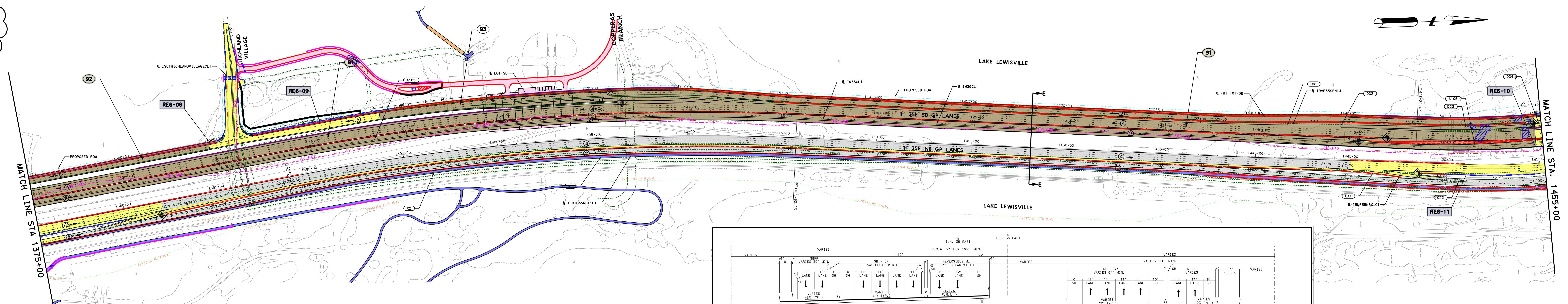
1. ALL ROADWAY DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS ARE PER RFP BOOK 2 TECHNICAL PROVISIONS, SECTION 11 - ROADWAYS, TABLE 11-1 ROADWAY DESIGN CRITERIA AND ATTACHMENT 11-1 CROSS-STREET DESIGN CRITERIA MATRICES.

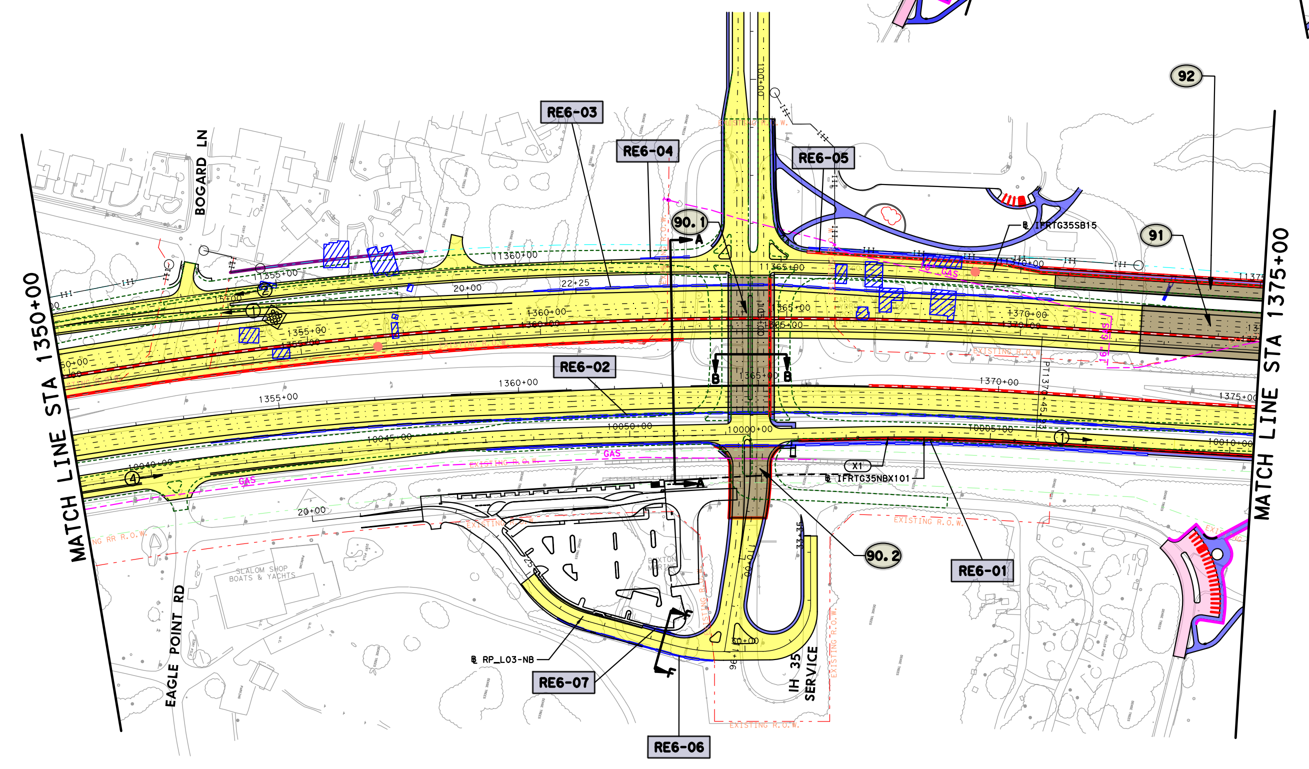
2. ALL HORIZONTAL CURVE DATA NOT SHOWN MATCHES THE RFP SCHEMATIC DESIGN.

SCALE HORIZONTAL 1"=200'	**DATE** February 1, 2013
DESIGNED BY	**COUNTY** Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
PLAN STA. 1150+00 TO 1295+00	WORK PACKAGE 4
DRAWING NO.	**SHEET NO. 5 OF 35**

SEE DETAIL A FOR ATC AGL-04







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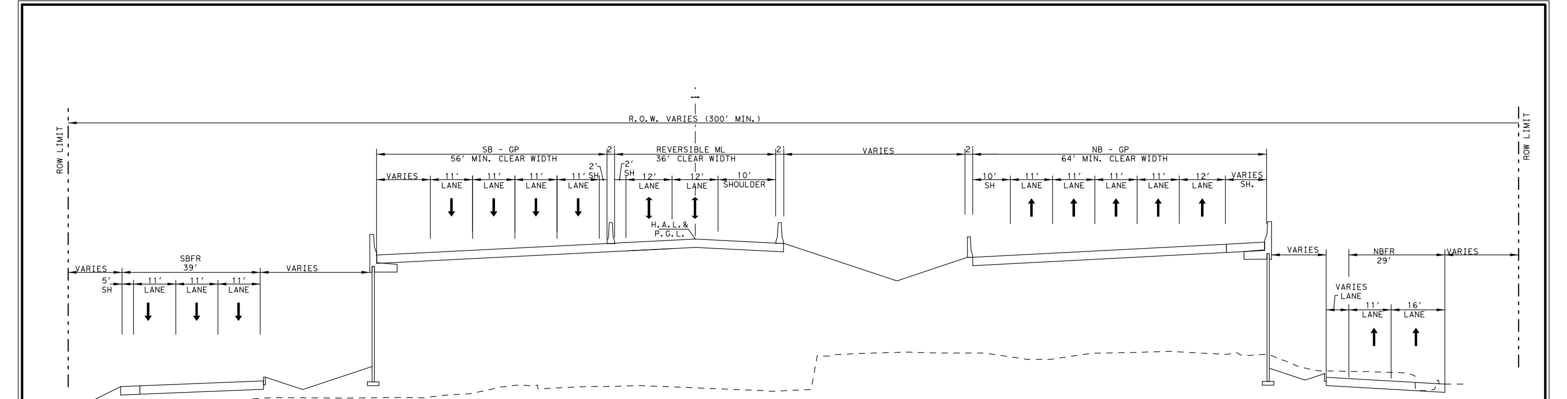
ATC AGL-04



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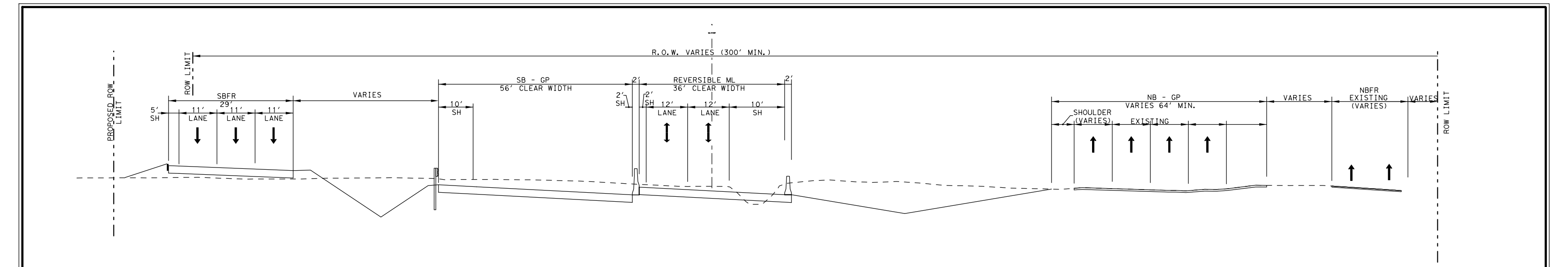

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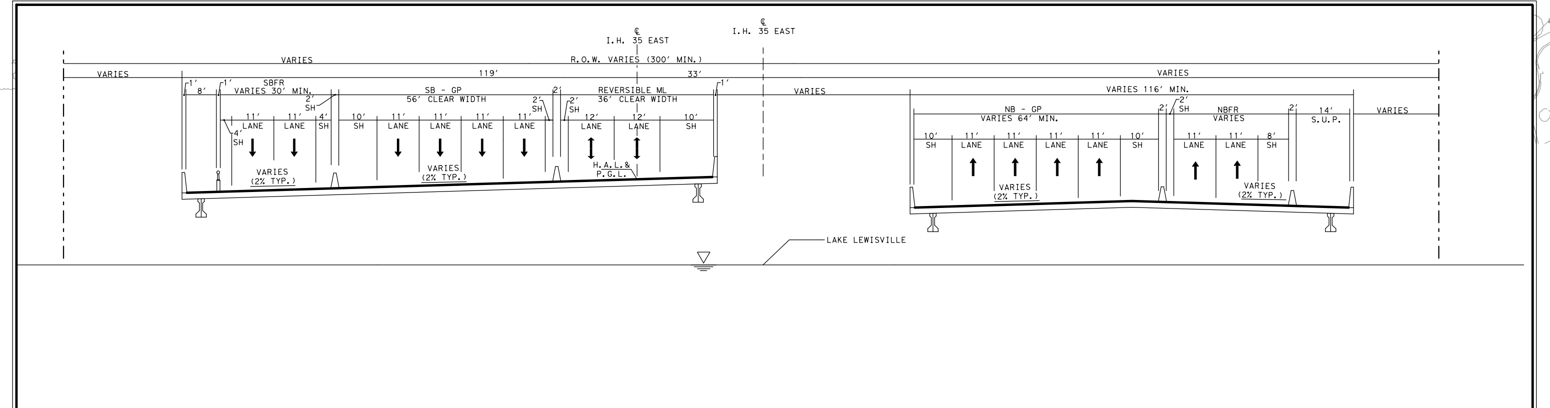

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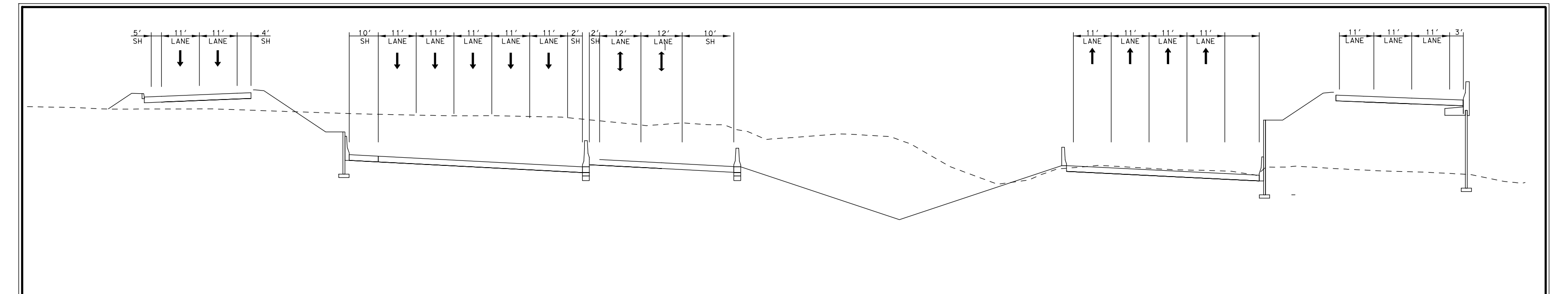

SECTION A-A
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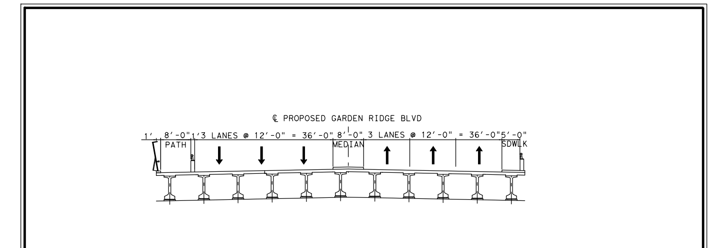

SECTION B-B
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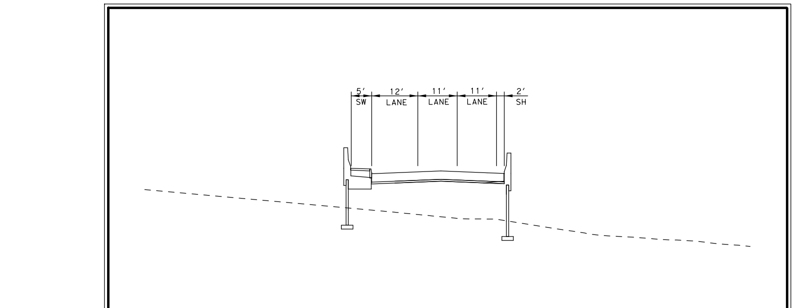

SECTION F-F
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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI	113668
NAME	P.E. NUMBER
PHILLIP HANLEY	91815
NAME	P.E. NUMBER

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Texas Department of Transportation

IH 35E MANAGED LANES

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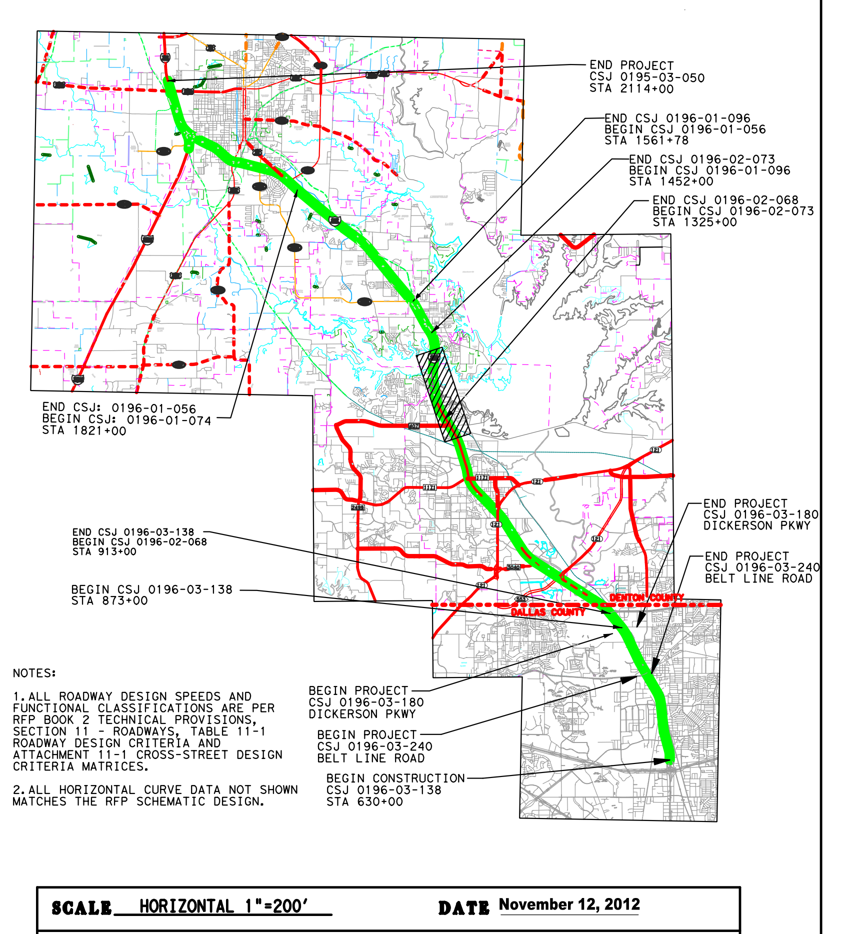
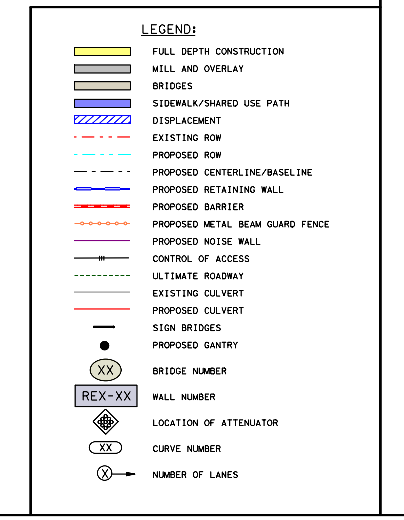
PARSONS HDR | AGL CONSTRUCTORS ARCHER WESTERN | GRANITE | LANE | INTERSTATE TEXAS 35E IH 35E MANAGED LANES



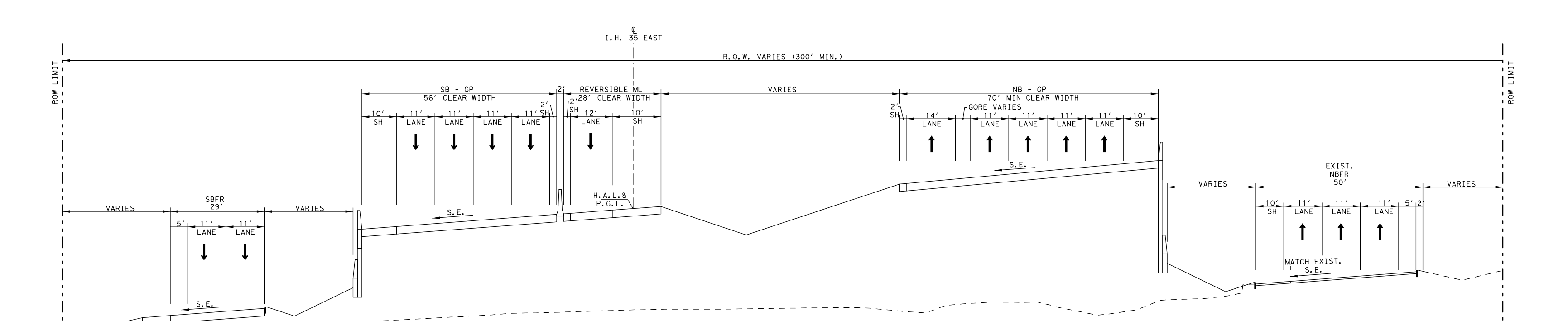


SCALE HORIZONTAL 1"=200' DATE November 12, 2012

DESIGNED BY COUNTY Dallas/Denton
DRAWN BY LOGMILE
CHECKED BY

PLAN STA. 1295+00 TO 1455+00 WORK PACKAGE 4

DRAWING NO. SHEET NO. 6 OF 35



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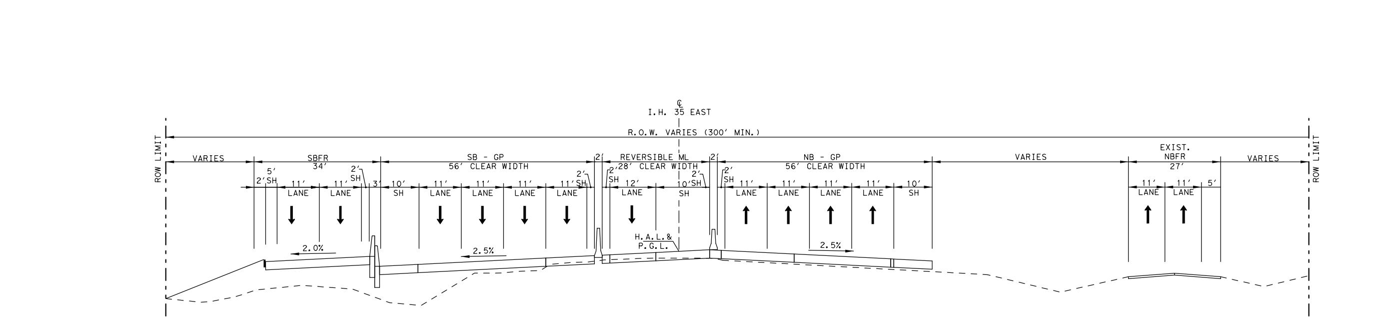

SECTION G-G
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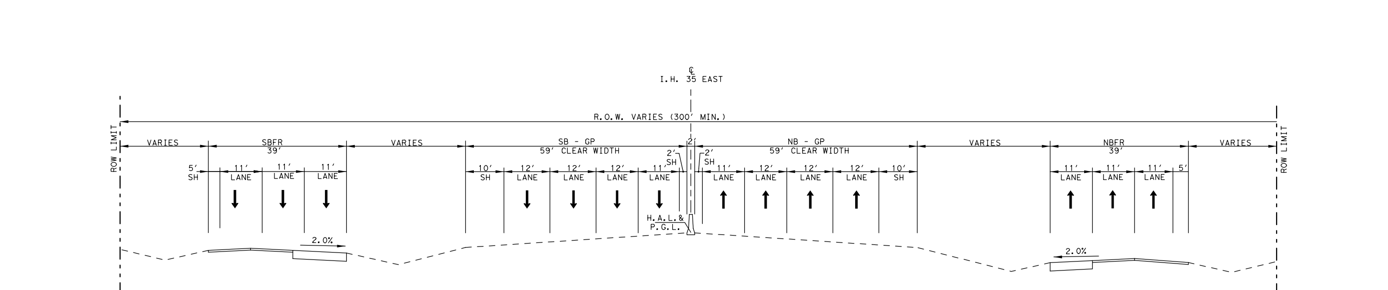

SECTION H-H
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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI	113668
NAME	P.E. NUMBER
PHILLIP HANLEY	91815
NAME	P.E. NUMBER

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

LEGEND:

- FULL DEPTH CONSTRUCTION
- MILL AND OVERLAY
- BRIDGES
- SIDEWALK/SHARED USE PATH
- DISPLACEMENT
- EXISTING ROW
- PROPOSED ROW
- PROPOSED CENTERLINE/BASELINE
- PROPOSED RETAINING WALL
- PROPOSED BARRIER
- PROPOSED METAL BEAM GUARD FENCE
- PROPOSED NOISE WALL
- CONTROL OF ACCESS
- ULTIMATE ROADWAY
- EXISTING CULVERT
- PROPOSED CULVERT
- SIGN BRIDGES
- PROPOSED GANTRY
- XX BRIDGE NUMBER
- REX-XX WALL NUMBER
- LOCATION OF ATTENUATOR
- XX CURVE NUMBER
- X NUMBER OF LANES

Texas Department of Transportation

IH 35E MANAGED LANES

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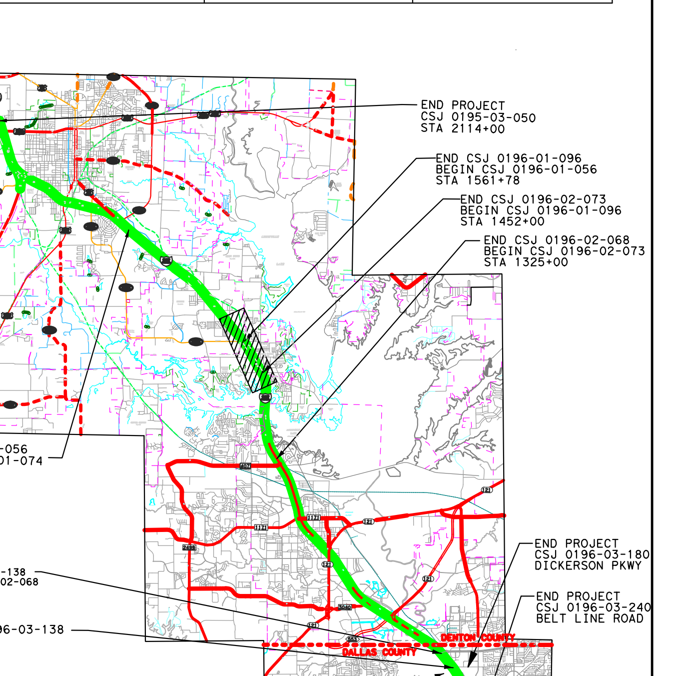
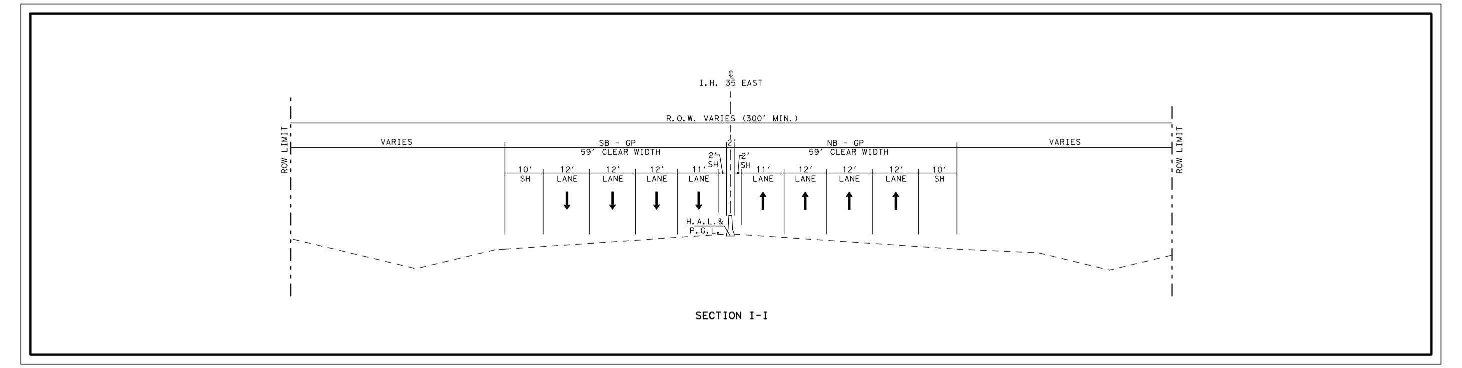
PARSONS HDR | AGL CONSTRUCTORS ARCHER WESTERN | GRANITE | LANE | INTERSTATE TEXAS 35E IH 35E MANAGED LANES

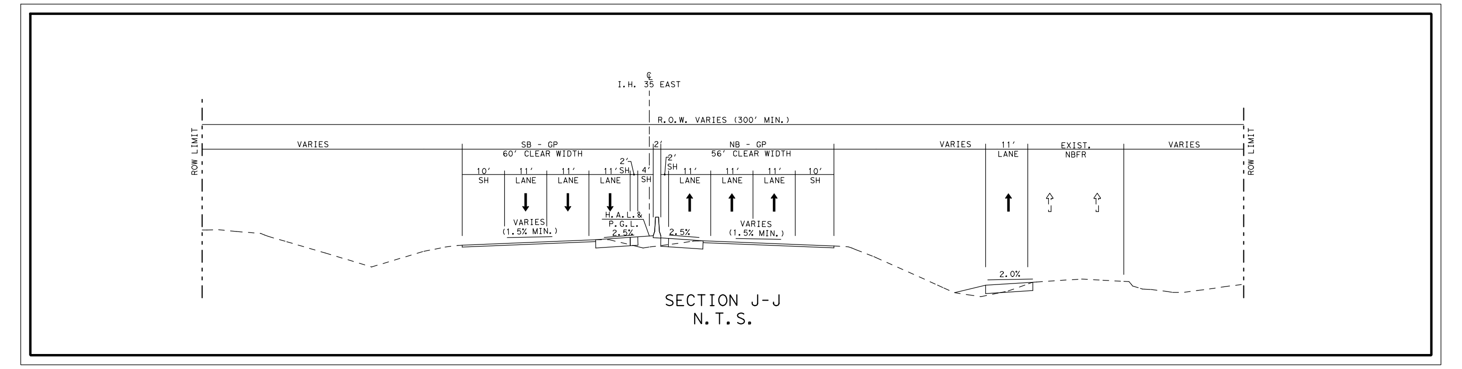


NOTES:

1. ALL ROADWAY DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS ARE PER RFP BOOK 2 TECHNICAL PROVISIONS, SECTION 11 - ROADWAYS, TABLE 11-1 ROADWAY DESIGN CRITERIA AND ATTACHMENT 11-1 CROSS-STREET DESIGN CRITERIA MATRICES.
2. ALL HORIZONTAL CURVE DATA NOT SHOWN MATCHES THE RFP SCHEMATIC DESIGN.

SCALE HORIZONTAL 1"=200'	**DATE** November 12, 2012
DESIGNED BY	**COUNTY** Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
PLAN STA. 1455+00 TO 1585+00	WORK PACKAGE 4
DRAWING NO.	**SHEET NO. 7 OF 35**





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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

NAME	P.E. NUMBER
THOMAS GANDOLFI	113668
PHILLIP HANLEY	91815

DATE: May 8, 2013

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Texas Department of Transportation

IH 35E MANAGED LANES

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AGL CONSTRUCTORS
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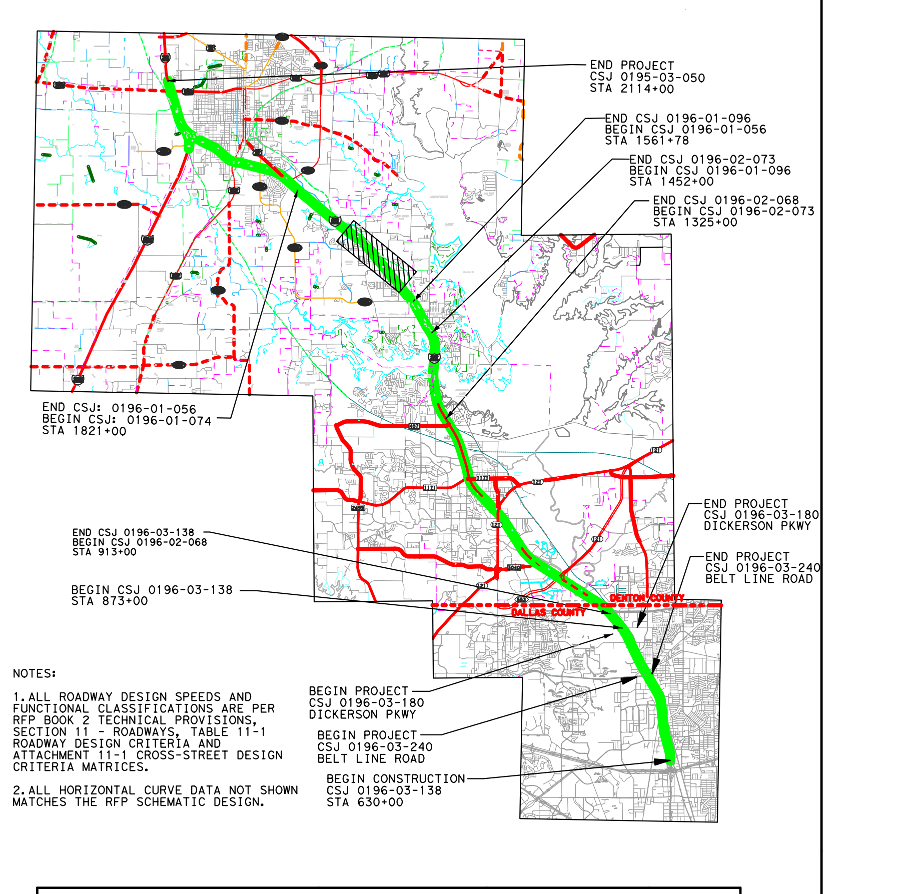
INTERSTATE TEXAS 35E
IH 35E MANAGED LANES



LEGEND:

- FULL DEPTH CONSTRUCTION
- MILL AND OVERLAY
- BRIDGES
- SIDEWALK/SHARED USE PATH
- DISPLACEMENT
- EXISTING ROW
- PROPOSED ROW
- PROPOSED CENTERLINE/BASELINE
- PROPOSED RETAINING WALL
- PROPOSED BARRIER
- PROPOSED METAL BEAM GUARD FENCE
- PROPOSED NOISE WALL
- CONTROL OF ACCESS
- ULTIMATE ROADWAY
- EXISTING CULVERT
- PROPOSED CULVERT
- SIGN BRIDGES
- PROPOSED GANTRY
- XX — BRIDGE NUMBER
- REX-XX — WALL NUMBER
- LOCATION OF ATTENUATOR
- XX — CURVE NUMBER
- X — NUMBER OF LANES

NOTES:

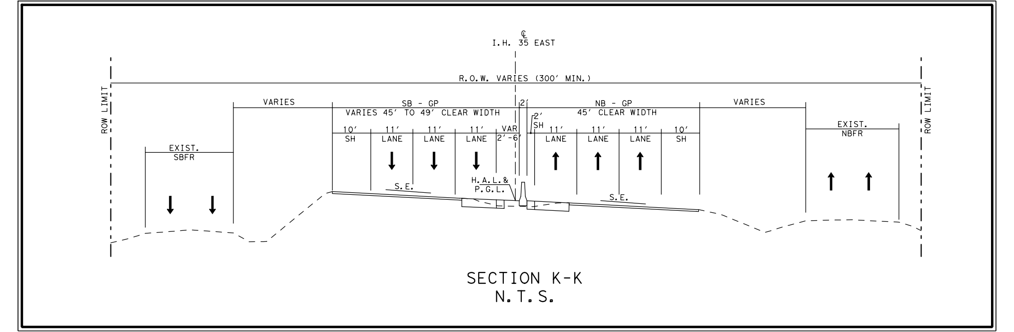
1. ALL ROADWAY DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS ARE PER RFP BOOK 2 TECHNICAL PROVISIONS, SECTION 11 - ROADWAYS, TABLE 11-1 ROADWAY DESIGN CRITERIA AND ATTACHMENT 11-1 CROSS-STREET DESIGN CRITERIA MATRICES.
2. ALL HORIZONTAL CURVE DATA NOT SHOWN MATCHES THE RFP SCHEMATIC DESIGN.

SCALE HORIZONTAL 1"=200' **DATE** February 1, 2013

DESIGNED BY ____ **COUNTY** Dallas/Denton
DRAWN BY ____ **LOGMILE** ____
CHECKED BY ____

PLAN STA. 1585+00 TO 1730+00 WORK PACKAGE 4

DRAWING NO. **SHEET NO. 8 OF 35**



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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI	113668
NAME	P.E. NUMBER
PHILLIP HANLEY	91815
NAME	P.E. NUMBER

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Texas Department of Transportation

IH 35E MANAGED LANES

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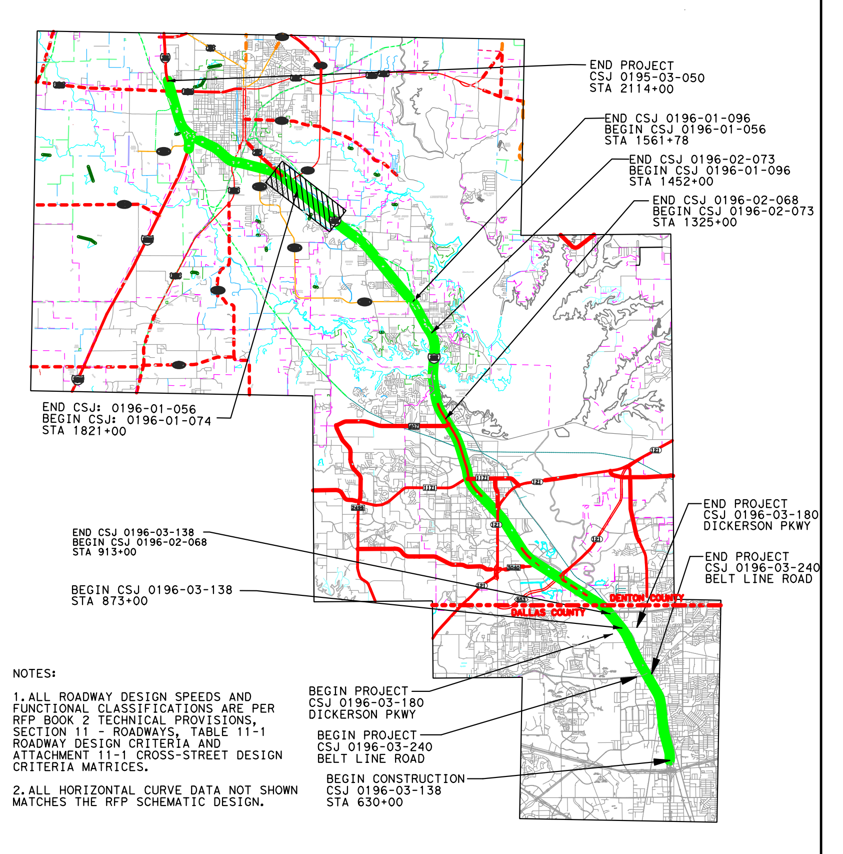
PARSONS
HDR
AGL CONSTRUCTORS
ARCHER WESTERN | GRANITE | LANE
INTERSTATE TEXAS 35E
IH 35E MANAGED LANES



LEGEND:

- FULL DEPTH CONSTRUCTION
- MILL AND OVERLAY
- BRIDGES
- SIDEWALK/SHARED USE PATH
- DISPLACEMENT
- EXISTING ROW
- PROPOSED ROW
- PROPOSED CENTERLINE/BASELINE
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- EXISTING CULVERT
- PROPOSED CULVERT
- SIGN BRIDGES
- PROPOSED GANTRY
- BRIDGE NUMBER
- WALL NUMBER
- LOCATION OF ATTENUATOR
- CURVE NUMBER
- NUMBER OF LANES

NOTES:

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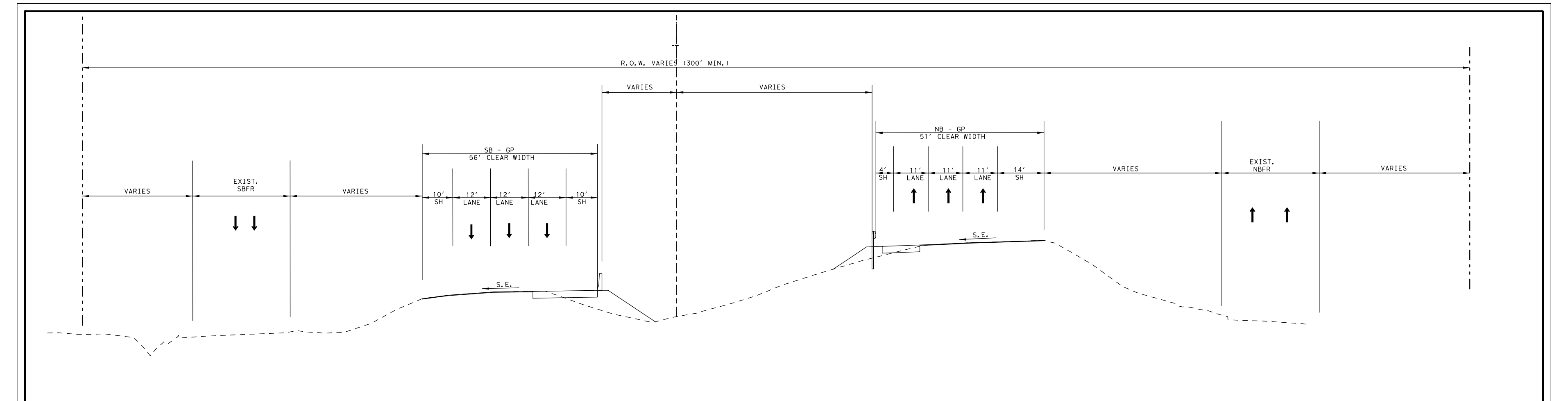
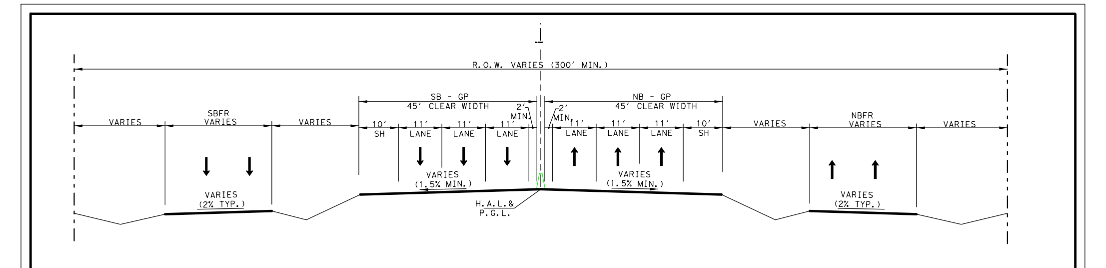
2. ALL HORIZONTAL CURVE DATA NOT SHOWN MATCHES THE RFP SCHEMATIC DESIGN.

SCALE HORIZONTAL 1"=200'	**DATE** November 12, 2012
DESIGNED BY	**COUNTY** Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
PLAN STA. 1730+00 TO 1850+00	WORK PACKAGE 4
DRAWING NO.	**SHEET NO. 9 OF 35**



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.

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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

NAME	P.E. NUMBER
THOMAS GANDOLFI	113668
PHILLIP HANLEY	91815

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Texas Department of Transportation

IH 35E MANAGED LANES

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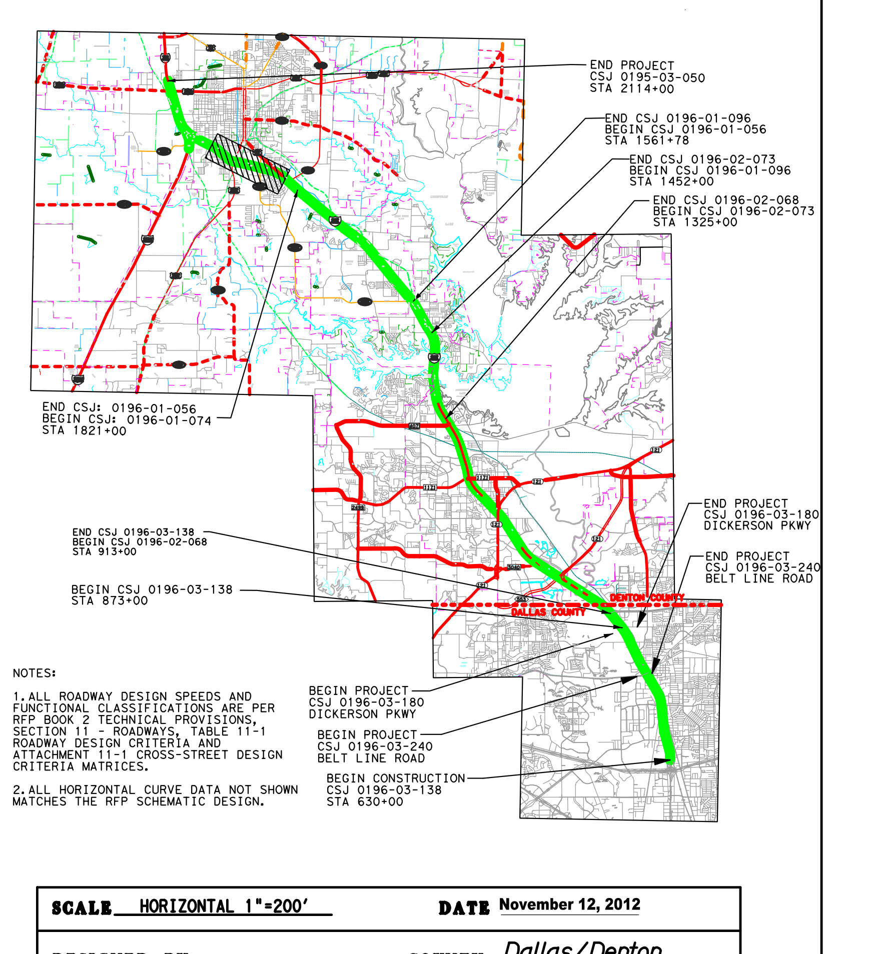
PARSONS
HDR
AGL CONSTRUCTORS — ARCHER WESTERN | GRANITE | LANE
IH 35E MANAGED LANES



LEGEND:

- FULL DEPTH CONSTRUCTION
- MILL AND OVERLAY
- BRIDGES
- SIDEWALK/SHARED USE PATH
- DISPLACEMENT
- EXISTING ROW
- PROPOSED ROW
- PROPOSED CENTERLINE/BASELINE
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- EXISTING CULVERT
- PROPOSED CULVERT
- SIGN BRIDGES
- PROPOSED GANTRY
- (XX) BRIDGE NUMBER
- REX-XX WALL NUMBER
- LOCATION OF ATTENUATOR
- (XX) CURVE NUMBER
- (X)→ NUMBER OF LANES

NOTES:

1. ALL ROADWAY DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS ARE PER RFP BOOK 2 TECHNICAL PROVISIONS, SECTION 11 - ROADWAYS, TABLE 11-1 ROADWAY DESIGN CRITERIA AND ATTACHMENT 11-1 CROSS-STREET DESIGN CRITERIA MATRICES.

2. ALL HORIZONTAL CURVE DATA NOT SHOWN MATCHES THE RFP SCHEMATIC DESIGN.

SCALE HORIZONTAL 1"=200' **DATE** November 12, 2012

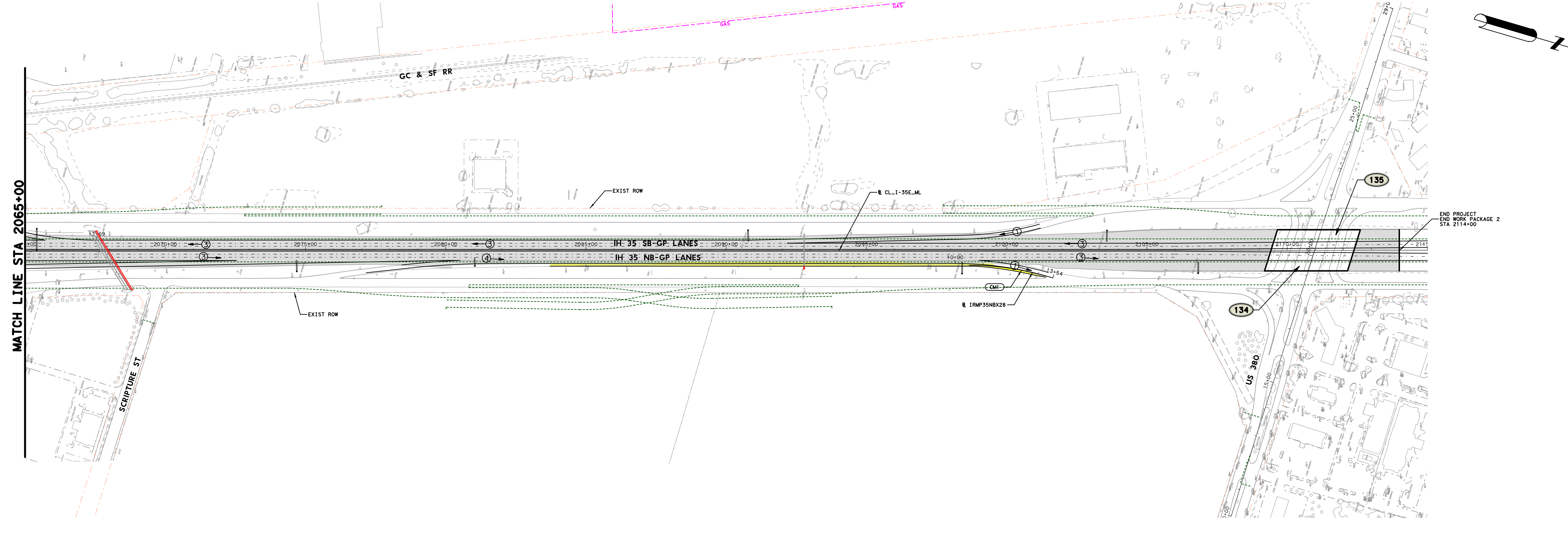
DESIGNED BY ______ **COUNTY** Dallas/Denton

DRAWN BY ______ LOGMILE ______

CHECKED BY ______

PLAN STA. 1850+00 TO 1974+00 WORK PACKAGE 4

DRAWING NO. **SHEET NO. 10 OF 35**



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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI	113668
NAME	P.E. NUMBER
PHILLIP HANLEY	91815
NAME	P.E. NUMBER

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

LEGEND:

- FULL DEPTH CONSTRUCTION
- MILL AND OVERLAY
- BRIDGES
- SIDEWALK/SHARED USE PATH
- DISPLACEMENT
- EXISTING ROW
- PROPOSED ROW
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- ULTIMATE ROADWAY
- EXISTING CULVERT
- PROPOSED CULVERT
- SIGN BRIDGES
- PROPOSED GANTRY
- XX BRIDGE NUMBER
- REX-XX WALL NUMBER
- LOCATION OF ATTENUATOR
- XX CURVE NUMBER
- X NUMBER OF LANES

Texas Department of Transportation

IH 35E MANAGED LANES

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ARCHER WESTERN | GRANITE | LANE
INTERSTATE TEXAS 35E
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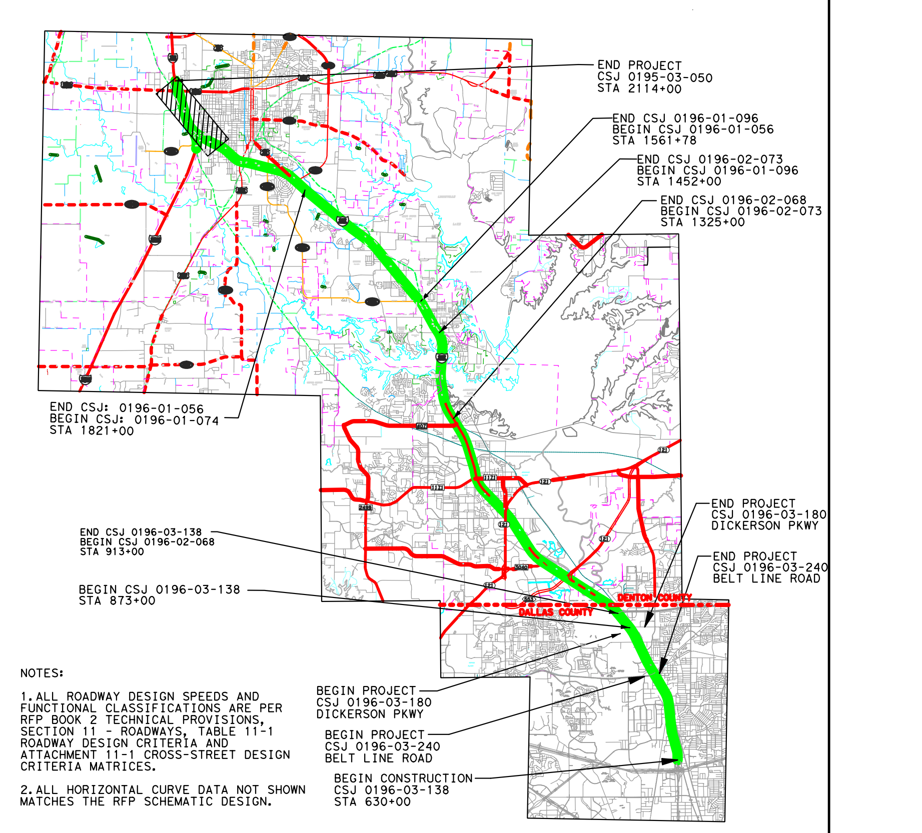

NOTES:

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2. ALL HORIZONTAL CURVE DATA NOT SHOWN MATCHES THE RFP SCHEMATIC DESIGN.

SCALE HORIZONTAL 1"=200'	DATE November 12, 2012
DESIGNED BY	COUNTY Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
PLAN STA. 1974+00 TO 2114+00	WORK PACKAGE 4
DRAWING NO.	SHEET NO. 11 OF 35

CURVE DATA

ROADWAY	CURVE NO.	CURVE NAME	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	PI STATION	PI-NORTHING	PI-EASTING
MAINLANES										
	A1	IML35CL1-1	15° 24′ 25.85" LT	0° 59′ 59.73"	775.09′	1,540.83′	5,730.00′	609+07.43	7,021,082.63	2,460,455.44
	A2	IML35CL1-2	0° 31′ 14.42" RT	0° 28′ 30.75"	54.78′	109.57′	12,057.00′	617+27.95	7,021,880.24	2,460,226.28
	A3	IML35CL1-3	8° 15′ 58.92" RT	0° 28′ 37.24"	867.98′	1,732.95′	12,011.42′	643+91.82	7,024,447.11	2,459,513.97
	A4	IML35CL1-4	24° 45′ 01.14" LT	1° 00′ 50.81"	1,239.63′	2,440.58′	5,649.83′	707+27.19	7,030,734.91	2,458,714.85
	A5	IML35CL1-5	4° 16′ 33.24" LT	0° 57′ 17.75"	223.99′	447.77′	6,000.00′	729+13.19	7,032,621.68	2,457,536.17
	A6	IML35CL1-6	6° 49′ 10.05" RT	0° 42′ 58.31"	476.65′	952.18′	8,000.00′	736+13.62	7,033,186.57	2,457,121.69
	A7	IML35CL1-7	0° 14′ 07.64" RT	0° 12′ 43.94"	55.48′	110.96′	27,000.00′	741+44.62	7,033,649.94	2,456,860.06
	A8	IML35CL1-8	3° 49′ 36.50" LT	0° 26′ 26.65"	434.30′	868.27′	13,000.00′	749+88.80	7,034,386.74	2,456,448.04
	A9	IML35CL1-9	6° 59′ 35.78" RT	0° 28′ 38.87"	733.24′	1,464.67′	12,000.00′	764+62.35	7,035,622.25	2,455,644.42
	A10	IML35CL1-10	2° 12′ 00.56" RT	0° 22′ 55.10"	288.04′	576.00′	15,000.00′	802+98.99	7,039,070.83	2,453,958.87
	A11	IML35CL1-11	2° 03′ 15.45" LT	0° 22′ 55.10"	268.93′	537.81′	15,000.00′	808+55.89	7,039,580.25	2,453,733.69
	A12	IML35CL1-12	12° 29′ 31.68" LT	1° 01′ 23.30"	612.91′	1,220.96′	5,600.00′	834+78.99	7,041,939.90	2,452,587.80
	A13	IML35CL1-13	2° 59′ 04.54" LT	0° 17′ 11.32"	521.03′	1,041.82′	20,000.00′	846+08.07	7,042,828.63	2,451,883.55
	A14	IML35CL1-14	1° 16′ 16.59" RT	0° 17′ 11.32"	221.89′	443.76′	20,000.00′	861+50.75	7,043,986.37	2,450,863.63
	A15	IML35CL1-15	17° 13′ 14.56" LT	0° 57′ 17.75"	908.52′	1,803.35′	6,000.00′	889+67.34	7,046,140.62	2,449,049.12
	A16	IML35CL1-16	2° 19′ 41.53" RT	0° 42′ 58.31"	162.56′	325.08′	8,000.00′	913+94.72	7,047,458.38	2,446,994.27
	A17	IML35CL1-17	2° 19′ 41.53" LT	0° 28′ 38.87"	243.84′	487.62′	12,000.00′	920+83.93	7,047,853.72	2,446,429.67

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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

NAME	P.E. NUMBER
THOMAS GANDOLFI	113668
PHILLIP HANLEY	91815

DATE: May 8, 2013

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Texas Department of Transportation

IH 35E MANAGED LANES

CONFIDENTIAL

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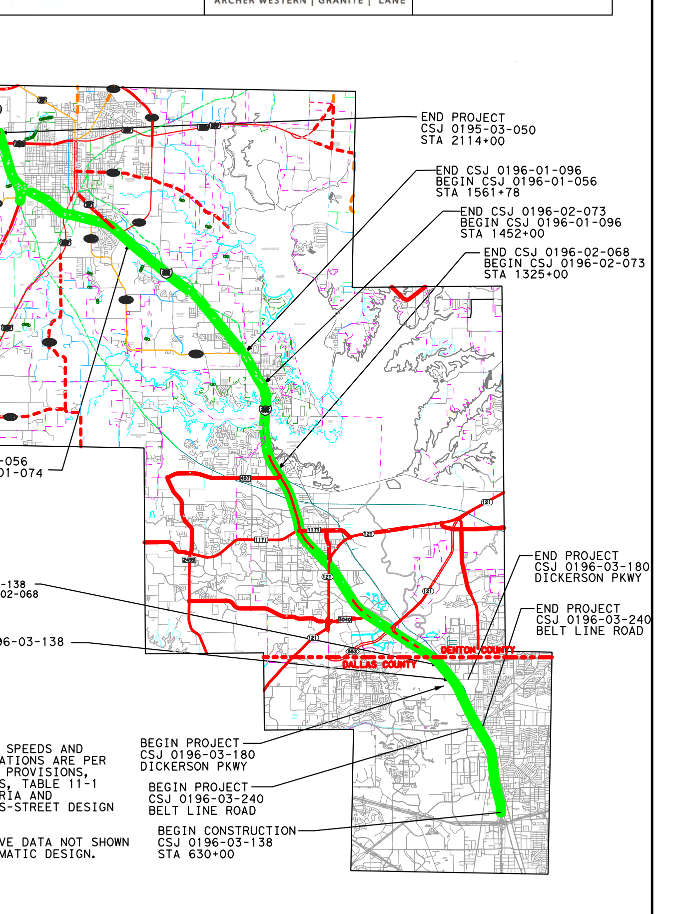
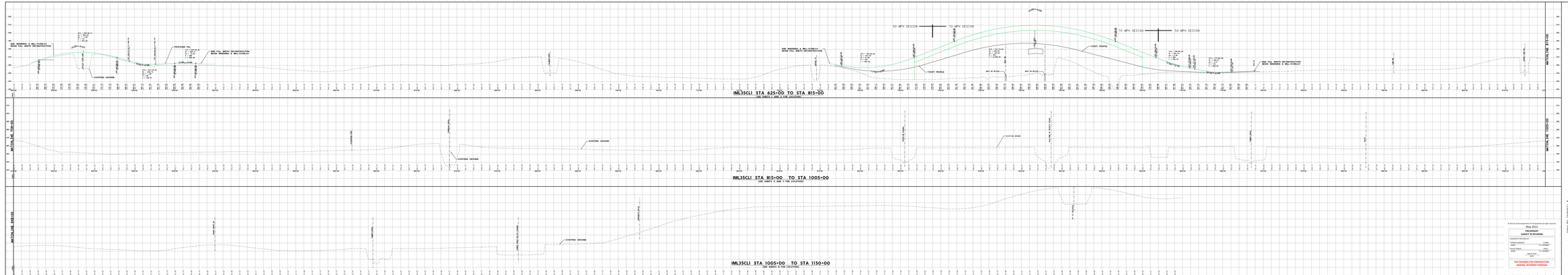


NOTES:

1. ALL ROADWAY DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS ARE PER RFP BOOK 2 TECHNICAL PROVISIONS, SECTION 11 - ROADWAYS, TABLE 11-1 ROADWAY DESIGN CRITERIA AND ATTACHMENT 11-1 CROSS-STREET DESIGN CRITERIA MATRICES.

2. ALL HORIZONTAL CURVE DATA NOT SHOWN MATCHES THE RFP SCHEMATIC DESIGN.

SCALE: HORIZONTAL 1"=200′	DATE: November 12, 2012
DESIGNED BY	COUNTY: Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
HORIZONTAL CONTROL DATA	WORK PACKAGE 4
DRAWING NO.	SHEET NO. 12 OF 35



Texas Department of Transportation

IH 35E MANAGED LANES

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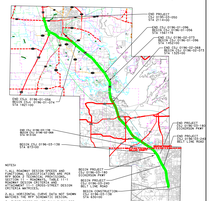
PARSONS HDR

AGL CONSTRUCTORS

IH 35E MANAGED LANES



NOTES:

1. ALL ROADWAY DESIGN DESIGN AND CONSTRUCTION SHALL COMPLY WITH AASHTO POLICY, TEXAS MODIFICATIONS TO AASHTO POLICY, TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND TEXAS ACCESS MANAGEMENT DESIGN.
2. ALL DIMENSIONS, CURVE DATA AND BEARINGS ARE NEW LENGTH OF BASELINE.
3. ALL DIMENSIONS ARE HORIZONTAL UNLESS OTHERWISE NOTED. ALL DIMENSIONS TO BE VERIFIED IN FIELD BEFORE CONSTRUCTION. ALL DIMENSIONS ARE TO BE VERIFIED BY CONTRACTOR.

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May 2012

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PROGRESS:

TRANSIT/ENVIRONMENT:	CLEAR
ROW:	75% COMPLETE
FINAL DESIGN:	100%
ROW:	75% COMPLETE
PS&E:	75% SUBMITTED

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

SCALE: HORIZONTAL 1"=200'	DATE: November 13, 2012
DESIGNED BY	COUNTY: Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	

PROFILE STA. 625+00 TO 715+00 WORK PACKAGE 4

DRAWING NO. | SHEET NO. 13 OF 38

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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI	113668
NAME	P.E. NUMBER
PHILLIP HANLEY	91815
NAME	P.E. NUMBER

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Texas Department of Transportation

IH 35E MANAGED LANES

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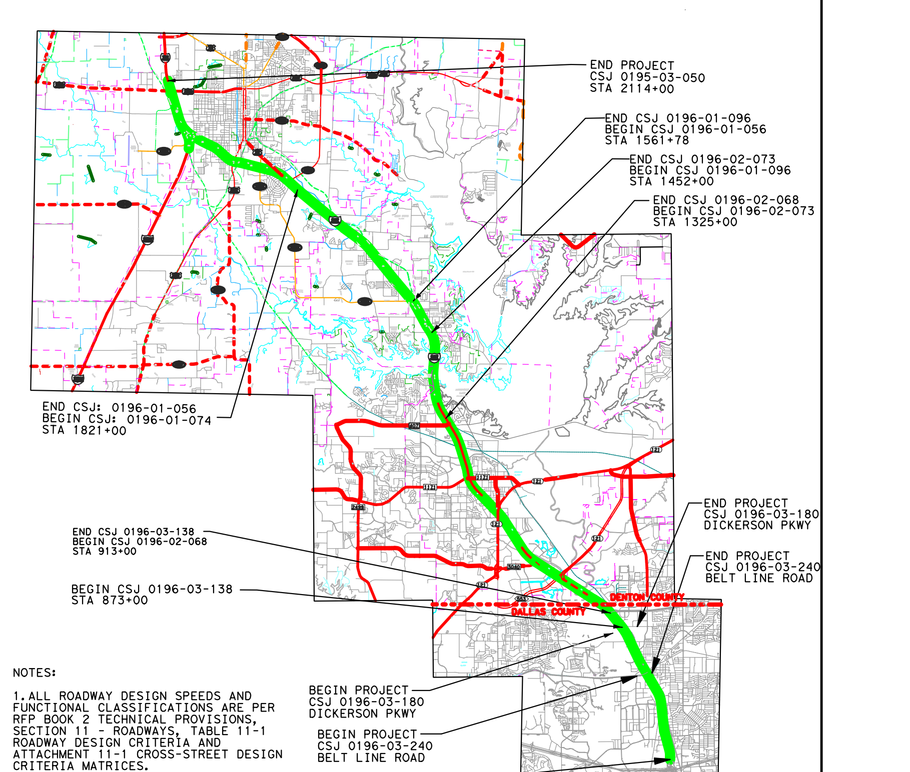
ARCHER WESTERN | GRANITE | LANE
IH 35E MANAGED LANES



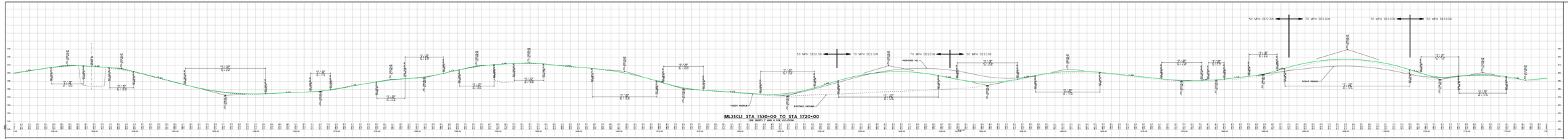
NOTES:

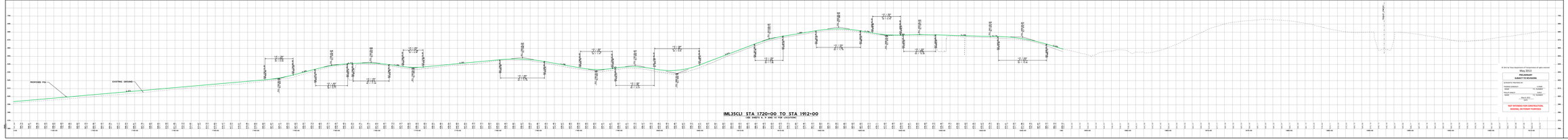
1. ALL ROADWAY DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS ARE PER RFP BOOK 2 TECHNICAL PROVISIONS, SECTION 11 - ROADWAYS, TABLE 11-1 ROADWAY DESIGN CRITERIA AND ATTACHMENT 11-1 CROSS-STREET DESIGN CRITERIA MATRICES.

2. ALL HORIZONTAL CURVE DATA NOT SHOWN MATCHES THE RFP SCHEMATIC DESIGN.

3. TXDOT PROFILES ARE ONLY SHOWN FOR ALIGNMENTS IF THEY WERE INCLUDED IN THE RFP DOCUMENTS AND WERE NOT REVISED HORIZONTALLY.

SCALE HORIZONTAL 1"=200'	**DATE** November 12, 2012
DESIGNED BY	**COUNTY** Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
PROFILE STA. 1150+00 TO 1530+00 WORK PACKAGE 4	
DRAWING NO.	**SHEET NO. 14 OF 35**





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May 2013
PRELIMINARY
SUBJECT TO REVISION

CONTRACT NUMBER:

TRANSPORTATION ENGINEER: _____ LICENSE NO. _____ DATE: _____

TRANSPORTATION ENGINEER: _____ LICENSE NO. _____ DATE: _____

PROJECT MANAGER: _____ DATE: _____

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Texas Department of Transportation

IH 35E MANAGED LANES

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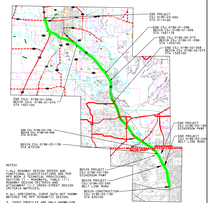
PARSONS HDR | AGL CONSTRUCTORS | IH 35E MANAGED LANES



NOTES:
1. ALL ROADWAY SECTION DESIGN AND CONSTRUCTION SHALL COMPLY WITH AASHTO, TEXAS MODIFICATIONS TO AASHTO, TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND TEXAS DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS.
2. PLAN NOTES:
A. ALL DIMENSIONS ARE FOR REFERENCE ONLY. DO NOT SCALE DRAWINGS FOR DIMENSIONS.
B. CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
C. CONTRACTOR TO VERIFY ALL UTILITIES AND OBSTRUCTIONS AND REPORT ANY CONFLICTS.

SCALE: HORIZONTAL 1"=200'	DATE: November 15, 2013
DESIGNED BY	COUNTY: Dallas/Denton
DRAWN BY	LOGMILE:
CHECKED BY	

PROFILE STA. 1530+00 TO 1912+00 WORK PACKAGE 4

DRAWING NO. | SHEET NO. 15 OF 30

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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI — 113668
NAME — P.E. NUMBER

PHILLIP HANLEY — 91815
NAME — P.E. NUMBER

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Texas Department of Transportation

IH 35E MANAGED LANES

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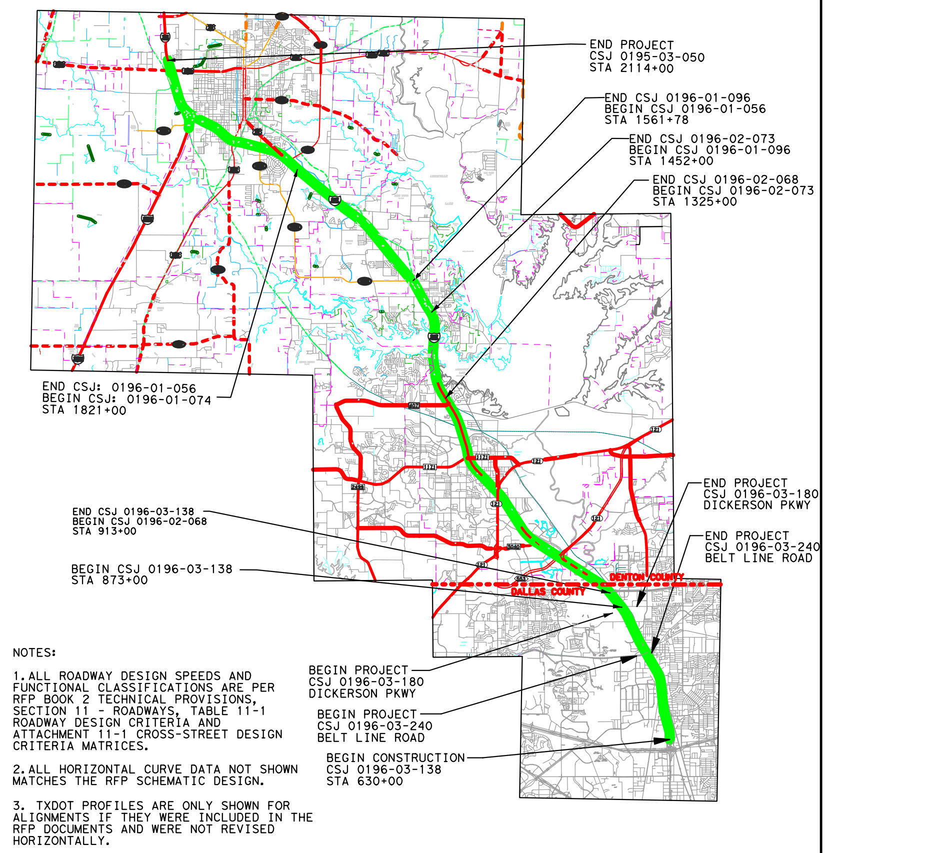
ARCHER WESTERN | GRANITE | LANE
INTERSTATE TEXAS 35E
IH 35E MANAGED LANES



NOTES:

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2. ALL HORIZONTAL CURVE DATA NOT SHOWN MATCHES THE RFP SCHEMATIC DESIGN.

3. TXDOT PROFILES ARE ONLY SHOWN FOR ALIGNMENTS IF THEY WERE INCLUDED IN THE RFP DOCUMENTS AND WERE NOT REVISED HORIZONTALLY.

SCALE HORIZONTAL 1"=200'	**DATE** November 12, 2012
DESIGNED BY	**COUNTY** Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
PROFILE STA. 1912+00 TO 2120+00 WORK PACKAGE 4	
DRAWING NO.	**SHEET NO. 16 OF 35**

Texas Department of Transportation

IH 35E MANAGED LANES

CONFIDENTIAL

PARSONS
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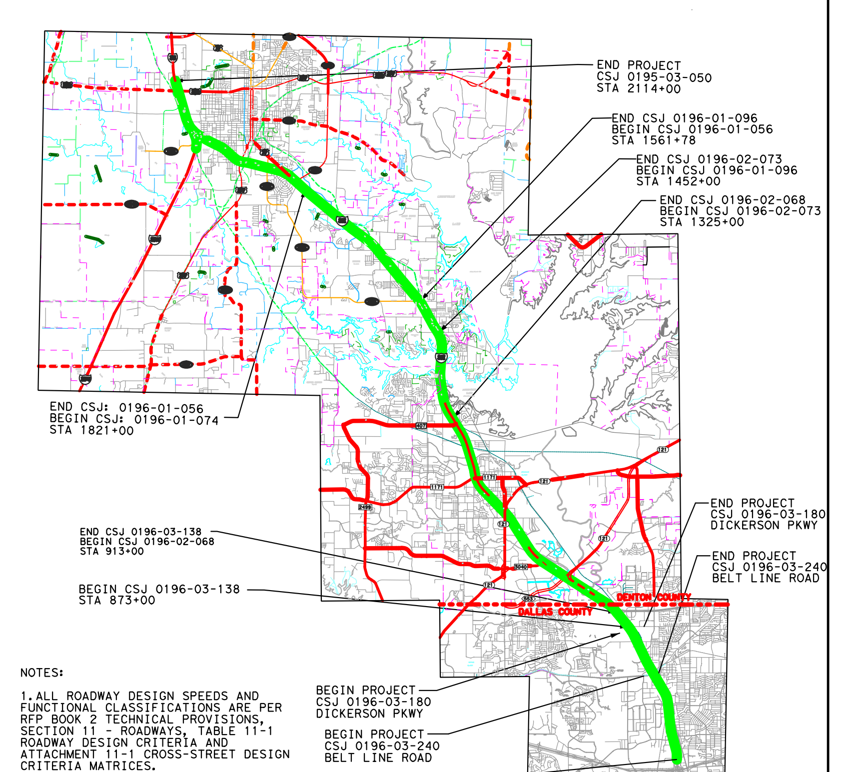
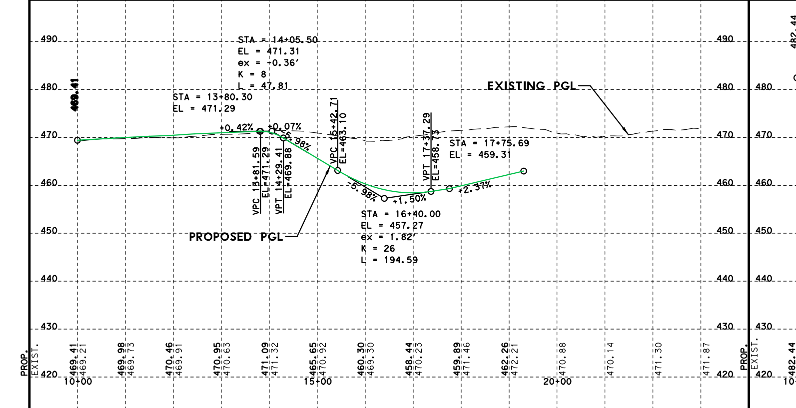
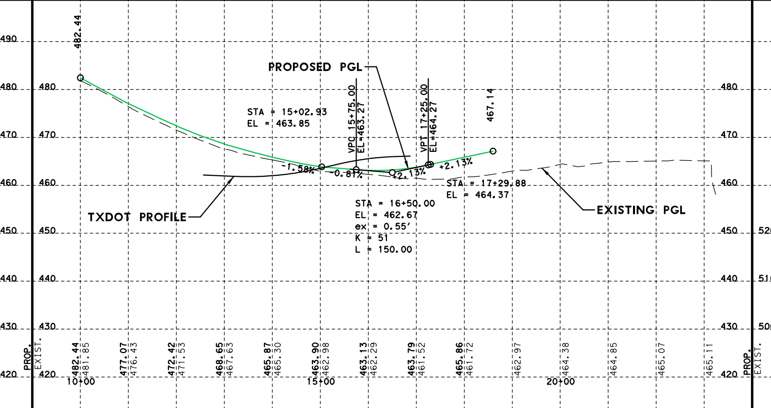
AGL CONSTRUCTORS
ARCHER WESTERN | GRANITE | LANE
INTERSTATE TEXAS 35E
IH 35E MANAGED LANES



SCALE HORIZONTAL 1"=200'	**DATE** November 12, 2012
DESIGNED BY	**COUNTY** Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
PROFILE RAMPS, FRONTAGE AND CROSS STREETS	WORK PACKAGE 4
DRAWING NO.	**SHEET NO. 17 OF 35**



IRMP35SBX33
(SEE SHEET 4 FOR LOCATION)



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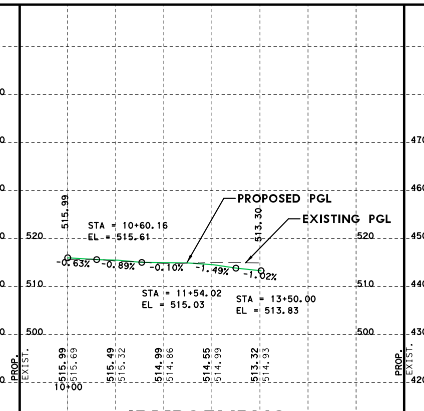

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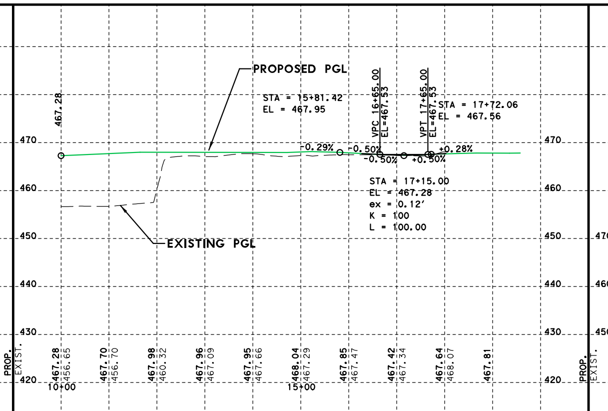

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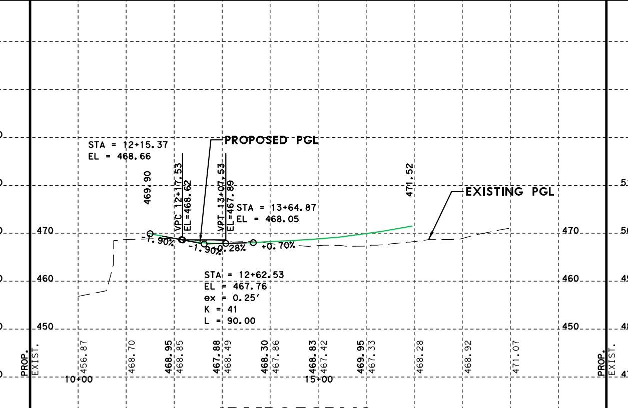

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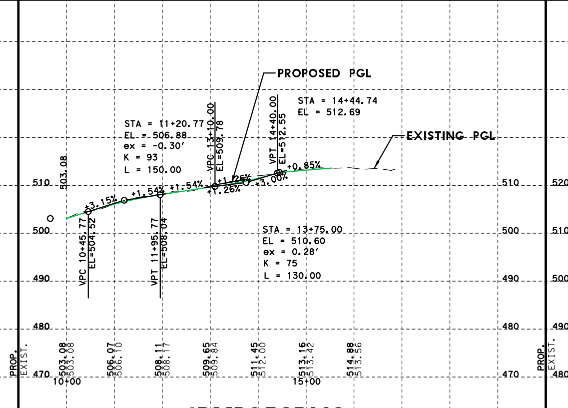

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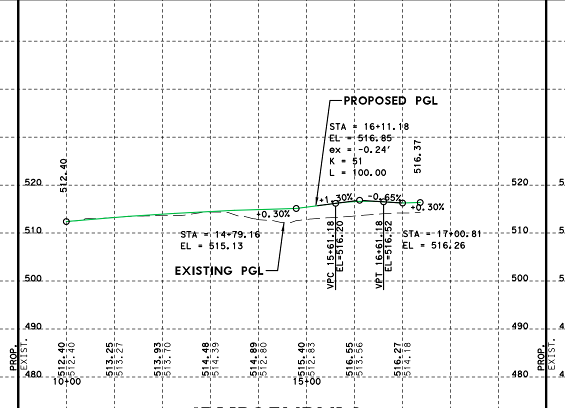

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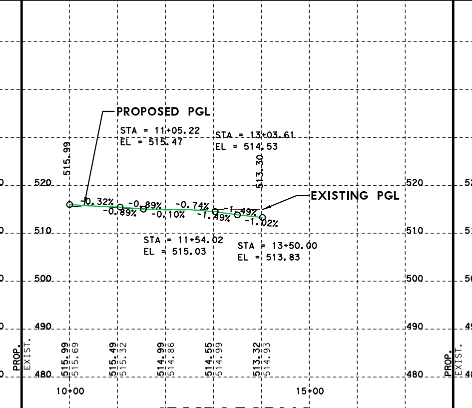

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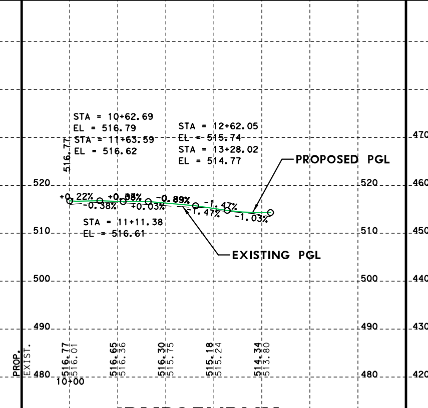

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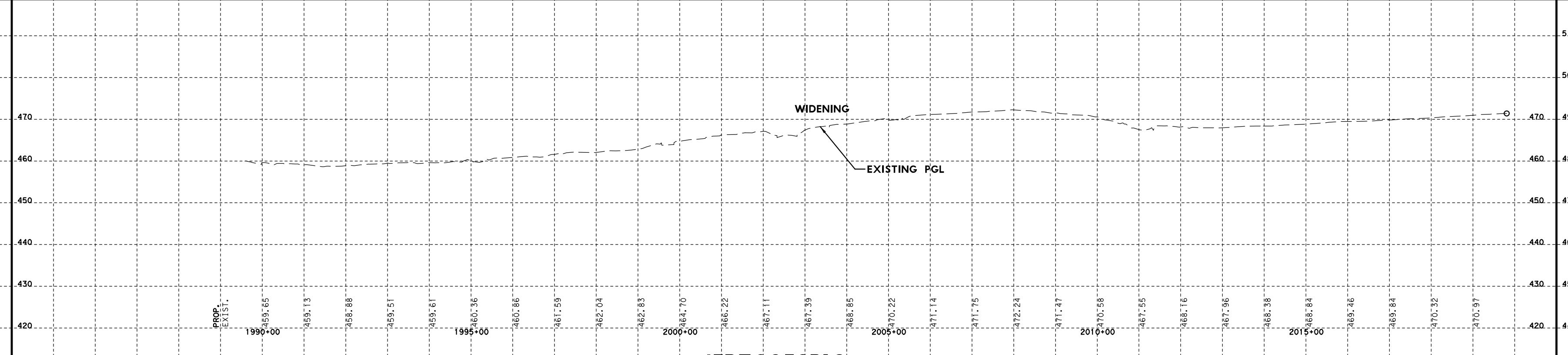

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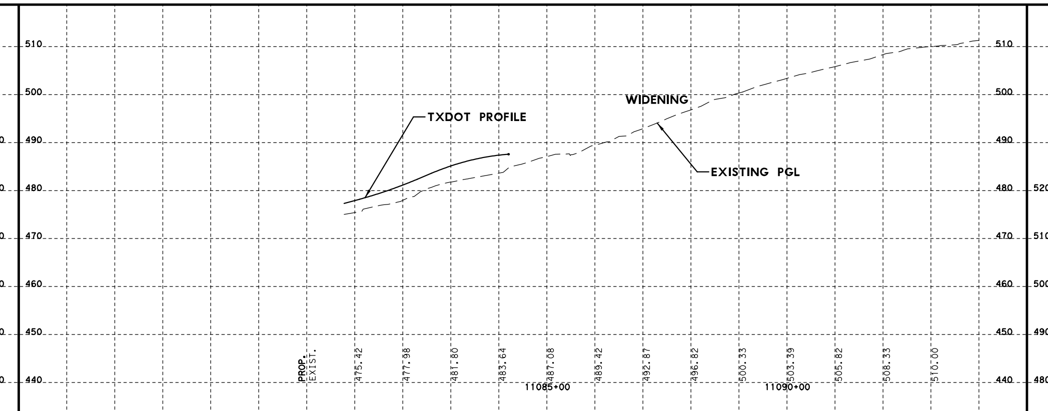
(SEE SHEET 4 FOR LOCATION)



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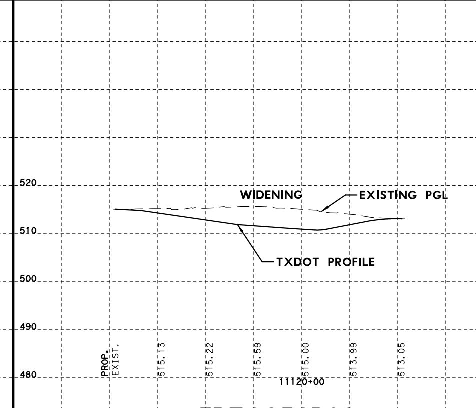

IFRTG35SB28
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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI	113668
NAME	P.E. NUMBER
PHILLIP HANLEY	91815
NAME	P.E. NUMBER

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Texas Department of Transportation

IH 35E MANAGED LANES

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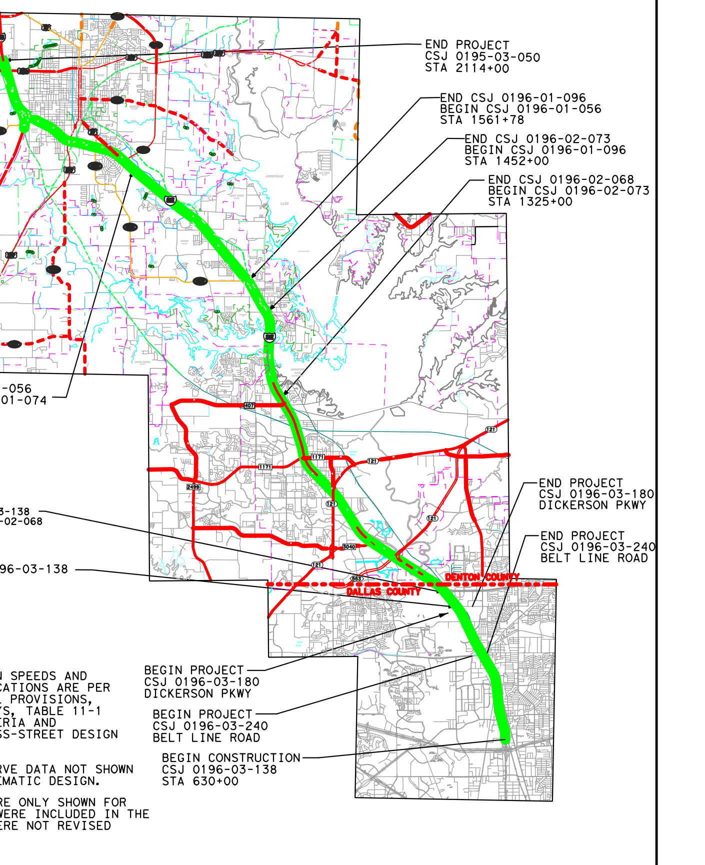

NOTES:

1. ALL ROADWAY DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS ARE PER RFP BOOK 2 TECHNICAL PROVISIONS, SECTION 11 - ROADWAYS, TABLE 11-1 ROADWAY DESIGN CRITERIA AND ATTACHMENT 11-1 CROSS-STREET DESIGN CRITERIA MATRICES.

2. ALL HORIZONTAL CURVE DATA NOT SHOWN MATCHES THE RFP SCHEMATIC DESIGN.

3. TXDOT PROFILES ARE ONLY SHOWN FOR ALIGNMENTS IF THEY WERE INCLUDED IN THE RFP DOCUMENTS AND WERE NOT REVISED HORIZONTALLY.

SCALE HORIZONTAL 1"=200'	**DATE** November 12, 2012
DESIGNED BY	**COUNTY** Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
PROFILE RAMPS AND FRONTAGE	WORK PACKAGE 4
DRAWING NO.	**SHEET NO. 18 OF 35**

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May 2013

PRELIMINARY SUBJECT TO REVISIONS

113668 P.E. NUMBER

91815 P.E. NUMBER

May 8, 2013 DATE

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Texas Department of Transportation

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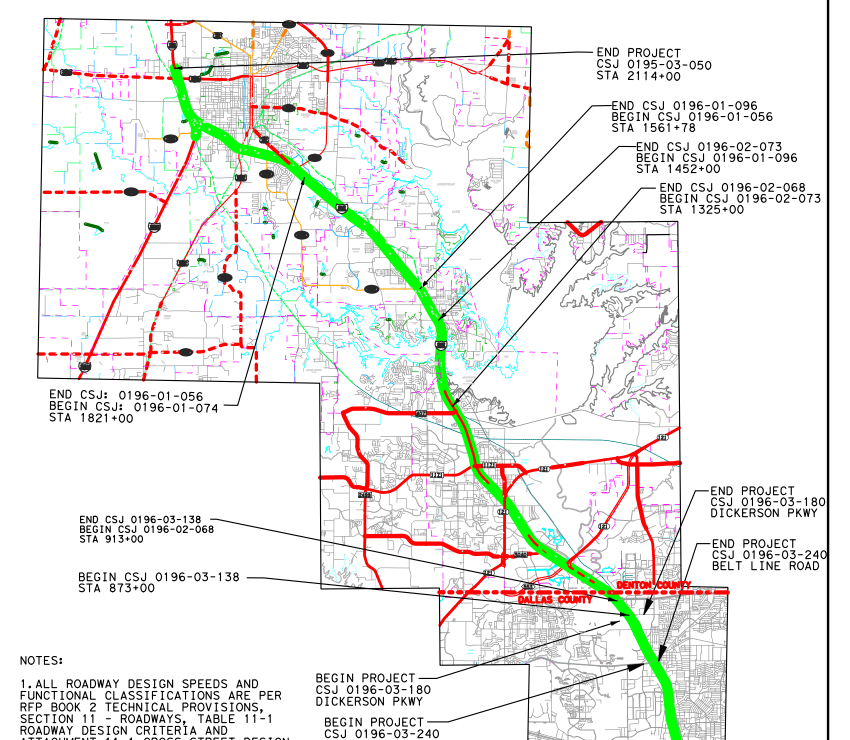

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DRAWING NO.	**SHEET NO. 19 OF 35**

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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI — 113668
NAME — P.E. NUMBER

PHILLIP HANLEY — 91815
NAME — P.E. NUMBER

May 8, 2013
DATE

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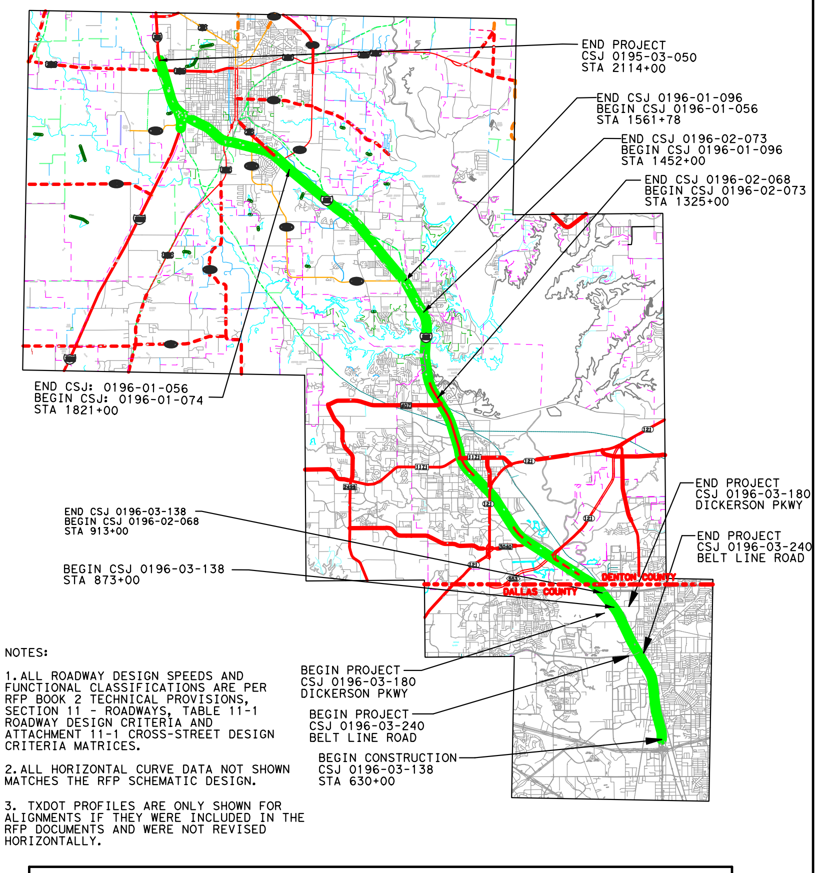


SCALE HORIZONTAL 1"=200'	DATE November 12, 2012
DESIGNED BY	COUNTY Dallas/Denton
DRAWN BY	LOGMILE
CHECKED BY	
PROFILE RAMPS, FRONTAGE AND CROSS STREETS	WORK PACKAGE 4
DRAWING NO.	SHEET NO. 20 OF 35

RETAINING WALLS

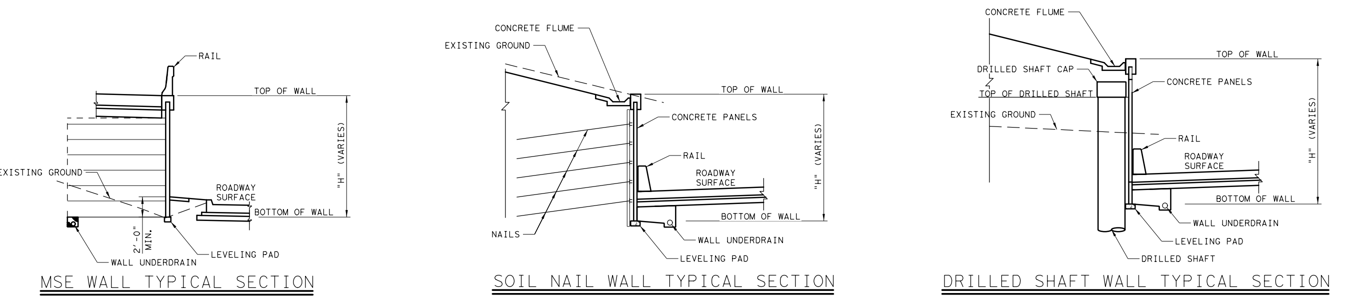
WALL NAME	ALIGNMENT REFERENCE	BEGIN STATION	LENGTH	CUT/FILL	WALL TYPE	NOTES
RE1-01	GP - NB	688+00	282.00'	FILL	MSE WALL	
RE1-04	GP - SB	692+64	436.00'	FILL	MSE WALL	
RE1-06	GP - SB	717+50	463.00'	FILL	SOIL NAIL WALL	
RE1-07	GP - SB	725+10	540.00'	FILL	MSE WALL	
RW4-01	NBFR	739+03	1097.00'	CUT	DRILLED SHAFT WALL	ELIMINATED IN ATC AGL-01
RW4-02	SBFR	742+55	384.00'	CUT	DRILLED SHAFT WALL	ELIMINATED IN ATC AGL-01
RW4-03	SBFR	738+50	1219.00'	CUT	DRILLED SHAFT WALL	ELIMINATED IN ATC AGL-01
RW4-04	SBFR	746+08	286.00'	CUT	DRILLED SHAFT WALL	ELIMINATED IN ATC AGL-01
RW4-05	BELTLINE WALLS	103+00	681.00'	CUT	SOIL NAIL WALL	ELIMINATED IN ATC AGL-01
RW4-06	BELTLINE WALLS ABUT WALL	748+90	128.00'	CUT	DRILLED SHAFT WALL	ELIMINATED IN ATC AGL-01
RW4-07	BELTLINE WALLS	113+51	1020.00'	CUT	DRILLED SHAFT WALL	ELIMINATED IN ATC AGL-01
RW4-08	BELTLINE WALLS	112+79	1101.00'	CUT	DRILLED SHAFT WALL	ELIMINATED IN ATC AGL-01
RW4-09	BELTLINE WALLS	103+00	631.00'	CUT	DRILLED SHAFT WALL	ELIMINATED IN ATC AGL-01
RW4-10	BELTLINE WALLS ABUT WALL	752+48	310.00'	CUT	DRILLED SHAFT WALL	ELIMINATED IN ATC AGL-01
RW4-11	SBFR	753+50	443.00'	CUT	DRILLED SHAFT WALL	ELIMINATED IN ATC AGL-01
RW4-12	SBFR	752+63	627.00'	CUT	DRILLED SHAFT WALL	ELIMINATED IN ATC AGL-01
RW4-13	NBFR	752+77	529.00'	CUT	DRILLED SHAFT WALL	ELIMINATED IN ATC AGL-01
RW4-14	NBFR	752+48	166.00'	CUT	DRILLED SHAFT WALL	ELIMINATED IN ATC AGL-01
REA-01	BELTLINE EB LANES	99+00	467.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-02	BELTLINE WB ABUT WALL	103+62	58.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-03	BELTLINE WB LANES	99+00	467.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-04	BELTLINE EB LANES	130+29	471.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-05	BELTLINE EB ABUT WALL	130+29	58.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-06	BELTLINE WB LANES	130+29	471.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01

SEE ROADWAY SCHEMATIC PLOTS FOR RETAINING WALL LOCATIONS NOT SHOWN.

RETAINING WALLS

WALL NAME	ALIGNMENT REFERENCE	BEGIN STATION	LENGTH	CUT/FILL	WALL TYPE	NOTES
REA-07	NB RAMP	728+50	153.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-08	NB RAMP	728+50	898.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-09	NB RAMP	733+75	250.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-10	ABUT WALL ML	736+27	159.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-10A	NBFR	741+00	54.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-10B	NBFR	741+00	57.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-10C	NBFR ABUT WALL	741+57	55.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-11	SBML	725+00	496.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-12	SBFR	732+50	848.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-13	SB RAMP	736+27	463.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-14	SBFR\RAMP ABUT WALL	740+84	65.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-15	NBFR	762+31	510.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-16	NBFR ABUT WALL	762+31	29.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-17	NBFR	762+31	68.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-18	NBML	764+98	201.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-19	NBML ABUT WALL	764+98	136.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-20	SBML	764+98	303.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-21	SBFR	762+86	167.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-22	SBFR ABUT WALL	762+86	51.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
REA-23	SBFR	762+86	180.00'	FILL	MSE WALL	INCLUDED IN ATC AGL-01
RE1-18	SBFR	808+00	258.00'	FILL	MSE WALL	
RE4-04	35 SB MAINLANES	1018+50	250.00'	FILL	MSE WALL	
RE4-05	35 SB MAINLANES	1019+29	1721.00'	CUT	MSE WALL	

SEE ROADWAY SCHEMATIC PLOTS FOR RETAINING WALL LOCATIONS NOT SHOWN.



MSE WALL TYPICAL SECTION

SOIL NAIL WALL TYPICAL SECTION

DRILLED SHAFT WALL TYPICAL SECTION

LEGEND

- EXISTING BRIDGE TO BE REHABITATED
- EXISTING BRIDGE WIDENING
- NEW BRIDGE
- EXISTING BRIDGE NOT INCLUDED IN PROJECT

BRIDGE LIST

BRIDGE NUMBER	DESCRIPTION	WORK PACKAGE 4 SCOPE OF WORK	ATC SCOPE OF WORK	BRIDGE PLAN INDEX
1	NB ML Wishbone	Not Included		N.A.
2	SB ML Wishbone	Not Included		N.A.
3	IH635 to NB ML DC	Not Included		N.A.
3.1	IH635 to NB ML DC Over Harry Hines	Not Included		N.A.
4	NB GP Harry Hines Overpass	Not Included		N.A.
5	NB ML Harry Hines Overpass Widening	Not Included		N.A.
5.1	SB GP Harry Hines Overpass Widening	Not Included		N.A.
6	SB ML to IH635 DC	Not Included		N.A.
7	NB GP/ML Farmers Branch Bridge Widening	Not Included		N.A.
8	SB GP Farmers Branch Bridge Widening	Not Included		N.A.
8.1	NB FR Farmers Branch Bridge	Not Included		N.A.
8.2	NB Entrance Ramp Farmers Branch Bridge	Not Included		N.A.
8.3	SB DC to 635 Farmers Branch Bridge	Not Included		N.A.
8.4	SB FR Farmers Branch Bridge	Not Included		N.A.
9	SB Entrance Ramp Farmers Branch Bridge	Not Included		N.A.
9.1	SB Braided Entrance Ramp	Not Included		N.A.
10	Valley View Lane Overpass	Widen Existing Bridge, Replace Existing Joints, Rehabilate Bridge Deck, Overlay Bridge, Clean and Paint Existing Steel Girders		Roll 1 of 12
11	*Not Used*	N.A.		N.A.
12	*Not Used*	N.A.		N.A.
13	*Not Used*	N.A.		N.A.
14	Bridge Class Culvert Sta 663+50 (Cook's Branch)	See "BRIDGE-CLASS CULVERTS" Table		N.A.
15	NB GP Valwood Pkwy Overpass Widening	Widen Existing Bridge, Raise Bridge, Rehabilitate Bridge Deck, Replace Existing Joints, Overlay, Clean and Paint Existing Steel Girders		Roll 1 of 12
16	SB GP Valwood Pkwy Overpass Widening	Widen Existing Bridge, Raise Bridge, Rehabilitate Bridge Deck, Replace Existing Joints, Overlay, Clean and Paint Existing Steel Girders		Roll 1 of 12
17	Bridge Class Culvert Sta 714+50	See "BRIDGE-CLASS CULVERTS" Table		N.A.
18	*Not Used*	N.A.		N.A.
19	NB GP Crosby St Overpass Widening	Widen Existing Bridge, Rehabilate Bridge Deck, Replace Existing Joints, Overlay, Clean and Paint Existing Steel Girders, Rehabilitate Existing Bearings		Roll 1 of 12
20	SB GP Crosby St Overpass Widening	Widen Existing Bridge, Rehabilate Bridge Deck, Replace Existing Joints, Overlay, Clean and Paint Existing Steel Girders, Rehabilitate Existing Bearings		Roll 1 of 12
21	Bridge Class Culvert Sta 734+00	See "BRIDGE-CLASS CULVERTS" Table		N.A.
22	NB GP Belt Line Rd Overpass	Widen Existing Bridge, Reconstruct Two Spans, Raise Bridge, Rehabilitate, Paint, Overlay	Construct New Bridge in ATC AGL-01	Roll 2 of 12
23	SB GP Belt Line Rd Overpass	Reconstruct Two Spans, Raise Bridge, Rehabilitate, Paint, Overlay	Construct New Bridge in ATC AGL-01	Roll 2 of 12
24	*Not Used*	N.A.		N.A.
25	SBFR Underpass at BNSF	Construct New Bridge	Eliminated in ATC AGL-01	N.A.
26	NBFR Underpass at BNSF	Construct New Bridge	Eliminated in ATC AGL-01	N.A.
26.1	Belt Line Underpass at BNSF	Construct New Bridge	Eliminated in ATC AGL-01	N.A.
27	NB/SB FR Underpass at Cotton Belt RR	Construct New Bridge	Eliminated in ATC AGL-01	N.A.
28	NBFR Underpass at 4th St	Construct New Bridge	Eliminated in ATC AGL-01	N.A.
29	NBFR Underpass at Main	Construct New Bridge	Eliminated in ATC AGL-01	N.A.
30	SBFR Underpass at 4th St	Construct New Bridge	Eliminated in ATC AGL-01	N.A.
31	SBFR Underpass at Main	Construct New Bridge	Eliminated in ATC AGL-01	N.A.
32	NBFR Hutton Branch Bridge	No Work		N.A.
32.1	NB GP Hutton Branch	Replace Existing Joints, Overlay Bridge, Rehabilitate Deck, Rehabilitate Interior Bent	Eliminated in ATC AGL-01	N.A.
32.2	SB GP Hutton Branch	Widen Existing Bridge, Replace Existing Joints, Overlay Bridge, Rehabilitate Deck, Rehabilitate Interior Bent	Eliminated in ATC AGL-01	N.A.
33	SBFR Hutton Branch Bridge	Construct New Bridge	Eliminated in ATC AGL-01	N.A.
34	Belt Line Underpass at N Broadway	Construct New Bridge	Eliminated in ATC AGL-01	N.A.
35	Belt Line Underpass at DGNO	Construct New Bridge	Eliminated in ATC AGL-01	N.A.
36	Beltline Road (ATC)	Not Included	Construct New Bridge in ATC AGL-01	Roll 4 of 12
36.1	Beltline Road SE Ramp(ATC)	Not Included	Construct New Bridge in ATC AGL-01	Roll 3 of 12
36.2	Beltline Road NE Ramp (ATC)	Not Included	Construct New Bridge in ATC AGL-01	Roll 3 of 12
36.3	Beltline Road NW Ramp(ATC)	Not Included	Construct New Bridge in ATC AGL-01	Roll 3 of 12
36.4	Beltline Road SW Ramp(ATC)	Not Included	Construct New Bridge in ATC AGL-01	Roll 3 of 12

BRIDGE-CLASS CULVERTS

BRIDGE NUMBER	STATION	EXISTING STRUCTURE	PROPOSED STRUCTURE
14	663+50	4-8'X6' & 3-8'x7' MBC	Existing 4-8'x6' & 3-8'x7' MBC to remain
17	714+50	5-5'x2' MBC	Existing 5-5'x2' MBC to remain Add 1-5'x3' RBC
21	734+00	3-6'x3' MBC & 5- DES 8 Arch	Existing 3-6'x3' MBC & 5-Des 8 Arch to remain
37	795+00	4-5'x3' MBC	Existing 4-5'x3' to remain Add 2-48" RCP

BRIDGE LIST

BRIDGE NUMBER	DESCRIPTION	WORK PACKAGE 4 SCOPE OF WORK	ATC SCOPE OF WORK	BRIDGE PLAN INDEX
37	Bridge Class Culvert Sta 795+00	See "BRIDGE-CLASS CULVERTS" Table		N.A.
38	Luna Rd Underpass	No Work		N.A.
39	Whitlock Ln (Sandy Lake) Overpass Widening	Replace Deck, Widen Existing Bridge, Raise Bridge, Rehabilitate Existing Steel Girder, Replace Existing Joints, Overlay Bridge, Clean and Paint Existing Steel		Roll 1 of 12
40	*Not Used*	N.A.		N.A.
41	*Not Used*	N.A.		N.A.
42	NB FR Furneaux Creek Bridge	No Work		N.A.
43	NB Furneaux Creek Bridge	Replace Joints		N.A.
44	SB Furneaux Creek Bridge	Replace Joints		N.A.
45	SBFR Furneaux Creek Bridge	Not Included		N.A.
46	Dickerson Pkwy Underpass	Not Included		N.A.
46.1	Dickerson SE Ramp	Not Included		N.A.
46.2	Dickerson NE Ramp	Not Included		N.A.
46.3	Dickerson NW Ramp	Not Included		N.A.
46.4	Dickerson SW Ramp	Not Included		N.A.
47	NB FR Elm Fork Relief No. 2 Bridge	Not Included		N.A.
48	NB C-D Elm Fork Relief No. 2 Bridge	Not Included		N.A.
49	NB GP Elm Fork Relief No. 2 Bridge Widening	Widen Existing Bridge, Replace Existing Joints, Overlay Bridge, Clean and Paint Steel Girders, Rehabilitate Abutment, Rehabilitate Interior Bent		Roll 5 of 12
50	SB GP Elm Fork Relief No. 2 Bridge	Replace Existing Joints, Overlay Bridge, Rehabilitate Deck, Rehabilitate Interior Bent		Roll 5 of 12
51	SB C-D Elm Fork Relief No. 2 Bridge	Not Included		N.A.
51.1	SB FR Elm Fork Relief No. 2 Bridge	No Work		N.A.
51.2	Frankford Underpass	Not Included		N.A.
52	NB FR Elm Fork Bridge	Not Included		N.A.
53	NB C-D Elm Fork Bridge	Not Included		N.A.
54	NB GP Elm Fork Bridge Widening	Widen Existing Bridge, Replace Existing Joints, Overlay Bridge, Clean and Paint Steel Girders, Rehabilitate Abutment, Rehabilitate Interior Bent		Roll 5 of 12
55	SB GP Elm Fork Bridge	Replace Existing Joints, Overlay Bridge, Clean and Paint Steel Girders, Rehabilitate Interior Bent		Roll 5 of 12
56	SB C-D Elm Fork Bridge	Not Included		N.A.
56.1	SB FR Elm Fork Bridge	No Work		N.A.
57	NB FR Elm Fork Relief No 3 Bridge	No Work		N.A.
58	NB GP Elm Fork Relief No 3 Bridge Widening	Replace Existing Joints, Overlay Bridge		N.A.
58.1	ML Elm Fork Relief No 3 Bridge	Replace Existing Joints, Overlay Bridge		N.A.
59	SB Elm Fork Relief No 3 Bridge	Replace Existing Joints, Overlay Bridge		N.A.
60	SB FR Elm Fork Relief No 3 Bridge	No Work		N.A.
61	NB FR Timber Creek Bridge Sta 967+00	No Work		N.A.
62	NB Ramp Timber Creek Bridge Sta 967+00	No Work		N.A.
63	NB Timber Creek Bridge Sta 967+00	Replace Existing Joints, Overlay Bridge		N.A.
64	SB Timber Creek Bridge Sta 967+00	Replace Existing Joints, Overlay Bridge		N.A.
65	SB FR Timber Creek Bridge Sta 967+00	No Work		N.A.
65.1	IH 35E SBFR U-Turn Underpass at SH121	No Work		N.A.
65.2	SH121 SBFR Underpass	No Work		N.A.
65.3	SH121 NBFR Underpass	No Work		N.A.
65.4	IH 35E NBFR U-Turn Underpass at SH121	No Work		N.A.
66	IH35E NB to SH121 WB DC Widening of WB Approach	Not Included		N.A.
67	SH121 WB to IH35E NB DC	Not Included		N.A.
68	SH121 EB to IH35E NB DC	Not Included		N.A.
69	IH35E SB to SH121 WB DC	Not Included		N.A.
70	IH35E SB to SH121 EB DC	Not Included		N.A.
70.1	IH35E NB to SH121 EB DC Widening of EB Approach	Not Included		N.A.

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May 2013

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SCHEMATIC PREPARED BY:

NAME	P.E. NUMBER
THOMAS GANDOLFI	113668
PHILLIP HANLEY	91815

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

SHEET NO. 21 OF 35

Texas Department of Transportation

IH 35E MANAGED LANES

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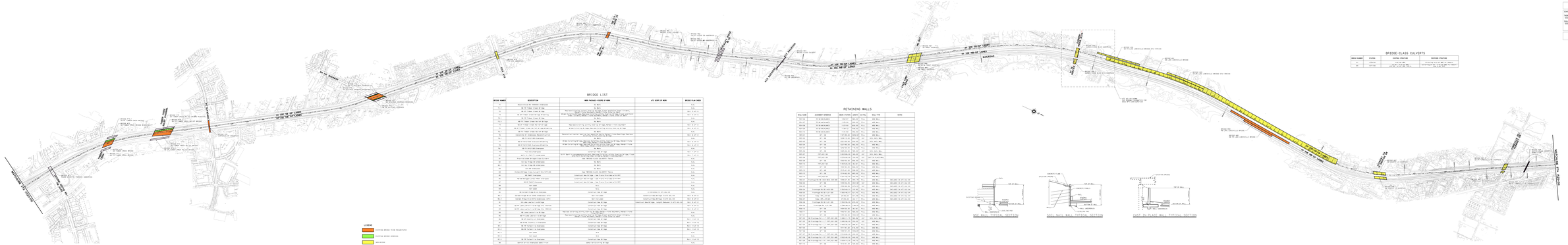
IH 35E WORK PACKAGE 4
BRIDGE CONCEPT PLANS
STRUCTURES OVERVIEW 1 OF 3

PARSONS


BEGIN PROJECT
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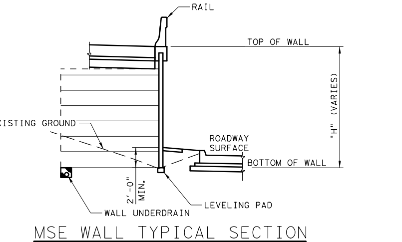
BEGIN PROJECT
END PROJECT
BEGIN PROJECT
END PROJECT

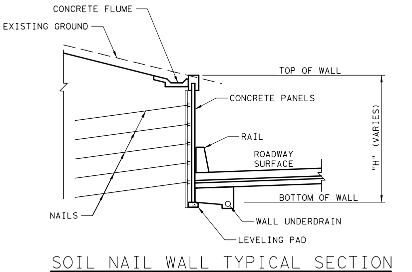
RETAINING WALLS

WALL NAME	ALIGNMENT REFERENCE	BEGIN STATION	LENGTH	CUT/FILL	WALL TYPE	NOTES
RE7-11	GP -NB	1529+20.00	341.65'	FILL	MSE WALL	
RE7-12	GP - NB	1550+40.00	241.49'	FILL	MSE WALL	
RE7-20	GP - NB	1839+68.23	432.86'	FILL	MSE WALL	
RE8-00	RP_AE02_SB	1855+68.00	234.00'	CUT	SOIL NAIL WALL	
RE8-01	RP_AG02-SB	1901+00.00	300.00'	FILL	MSE WALL	
RE8-02	CL_I-35E_ML	1955+47.00	173.00'	CUT	SOIL NAIL WALL	
RE8-02A	RP_AI02_NB	1964+55.00	321.00'	CUT	MSE WALL	
RE8-03	CL_I-35E_ML	1967+50.00	194.00'	FILL	MSE WALL	
RE8-04	CL_I-35E_ML	1970+65.00	585.00'	FILL	MSE WALL	
RE8-05	CL_I-35E_ML	1971+75.00	448.00'	FILL	MSE WALL	
RE8-06	CL_I-35E_ML	1989+36.00	912.00'	CUT	SOIL NAIL WALL	
RE8-07	CL_I-35E_ML	1986+00.00	1200.00'	CUT	MSE WALL	
RE8-08	RP_AJ04_NB	1997+46.00	582.00'	CUT	SOIL NAIL WALL	
RE8-10	RP_AJ02_SB	1999+24.00	764.00'	CUT	SOIL NAIL WALL	

SEE ROADWAY SCHEMATIC PLOTS FOR RETAINING WALL LOCATIONS NOT SHOWN.



MSE WALL TYPICAL SECTION



SOIL NAIL WALL TYPICAL SECTION

LEGEND

- EXISTING BRIDGE TO BE REHABITATED
- EXISTING BRIDGE WIDENING
- NEW BRIDGE
- EXISTING BRIDGE NOT INCLUDED IN PROJECT

BRIDGE LIST

BRIDGE NUMBER	DESCRIPTION	WORK PACKAGE 4 SCOPE OF WORK	ATC SCOPE OF WORK	BRIDGE PLAN INDEX
99	NB GP Swisher (FM2181) Overpass Widening	Replace Joints, Overlay		N.A.
100	SB GP Swisher (FM2181) Overpass Widening	Replace Joints, Overlay		N.A.
101	Bridge Class Culvert Sta 1562+00	See "BRIDGE-CLASS CULVERTS" Table		N.A.
102	NB GP Turnaround Overpass Widening	Replace Joints, Overlay Bridge, Rehabilitate Bridge Rail		N.A.
103	SB GP Turnaround Overpass Widening	Replace Joints, Overlay Bridge, Rehabilitate Bridge Rail, Rehabilitate Abutment		N.A.
103.1	Bridge Class Culvert Sta 1626+00	See "BRIDGE-CLASS CULVERTS" Table		N.A.
104	Corinth Pkwy Overpass	Replace Existing Bridge Deck and Bridge Rail, Replace Existing Joints, Overlay Bridge, Rehabilitate Concrete Beam, Rehabilitate Abutment, Rehabilitate Interior		Roll 8 of 12
105	*Not Used*	N.A.		N.A.
106	*Not Used*	N.A.		N.A.
107	Post Oak Rd Underpass	Replace Existing Bridge Deck and Bridge Rail, Replace Joints, Overlay Bridge, Rehabilitate Interior Bent		Roll 8 of 12
108	Extend Bridge Class Culvert Sta 1717+50	See "BRIDGE-CLASS CULVERTS" Table		N.A.
109	Mayhill Rd Overpass Widening	Replace Existing Bridge Deck and Bridge Rail, Widen Bridge, Replace Joints, Overlay Bridge, Rehabilitate Abutment, Rehabilitate Interior Bent		Roll 12 of 12
110	*Not Used*	N.A.		N.A.
111	*Not Used*	N.A.		N.A.
112	Loop 288 Overpass Widening	Widen Existing Bridge, Replace Existing Joints, Overlay Bridge, Rehabilitate Concrete Beams, Rehabilitate Abutment, Rehabilitate Interior Bent		Roll 12 of 12
113	*Not Used*	N.A.		N.A.
114	*Not Used*	N.A.		N.A.
115	NB GP US77 Overpass Widening	Replace Existing Bridge Deck and Bridge Rail, Widen Existing Bridge, Replace Existing Joints, Overlay Bridge, Clean and Paint Existing Steel Girders,		Roll 12 of 12
116	NB/SB Teasley Ln (FM2181) Overpass	Replace Existing Joints, Overlay Bridge		N.A.
117	NB FR UPRR Overpass Sta 1930+40	No Work		N.A.
118	NB UPRR Overpass Sta 1930+40	Replace Existing Joints, Rehabilitate Abutment		N.A.
119	SB UPRR Overpass Sta 1930+40	Replace Existing Joints		N.A.
120	SB FR UPRR Overpass Sta 1930+40	No Work		N.A.
121	NB/SB US377 Overpass (Ft Worth Dr)	Replace Existing Joints		N.A.
122	*Not Used*	N.A.		N.A.
123	McCormick St Overpass	Construct New Bridge		Roll 11 of 12
124	*Not Used*	N.A.		N.A.
125	N Texas Blvd Underpass (Ave D)	Construct New Bridge		Roll 7 of 12
126	*Not Used*	N.A.		N.A.
127	Bridge Class Culvert Sta 2019+00	See "BRIDGE-CLASS CULVERTS" Table		N.A.
128	Bonnie Brae (FM 1515) Overpass Widening (to middle)	Replace Existing Bridge Deck and Bridge Rail, Widen Existing Bridge, Replace Existing Joints, Overlay Bridge, Clean and Paint Existing Steel Girders,		Roll 12 of 12
129	*Not Used*	N.A.		N.A.
130	NB IH35W Overpass	Replace Existing Joints, Overlay Bridge, Clean and Paint Steel Girders		N.A.
131	SB IH35W Overpass	Replace Existing Joints, Overlay Bridge, Clean and Paint Steel Girders		N.A.
132	Bridge Class Culvert Sta 2037+00	See "BRIDGE-CLASS CULVERTS" Table		N.A.
133	NB/SB Oak St Overpass	Replace Existing Joints		N.A.
134	NB US380 Overpass	Replace Existing Joints		N.A.
135	SB US380 Overpass	Replace Existing Joints		N.A.

BRIDGE-CLASS CULVERTS

BRIDGE NUMBER	STATION	EXISTING STRUCTURE	PROPOSED STRUCTURE
101	1562+00	3-10'x6' MBC	Existing 3-10'x6' MBC to remain
103.1	1626+00	2-6'x6' MBC	Existing 2-6'x6' MBC to remain Add 3-8'x8' MBC
108	1717+50	2-8'x8' MBC	Existing 2-8'x8' MBC to remain Add 6-8'x4' MBC
127	2019+00	5-6'x4' MBC	Existing 5-6'x4' MBC to remain Add 1-48" RCP
132	2037+00	3-7'x6' MBC	Existing 3-7'x6' MBC to remain

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INTERSTATE TEXAS 35E — IH 35E MANAGED LANES

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PARSONS HDR

IH 35E WORK PACKAGE 4 BRIDGE CONCEPT PLANS STRUCTURES OVERVIEW 3 OF 3

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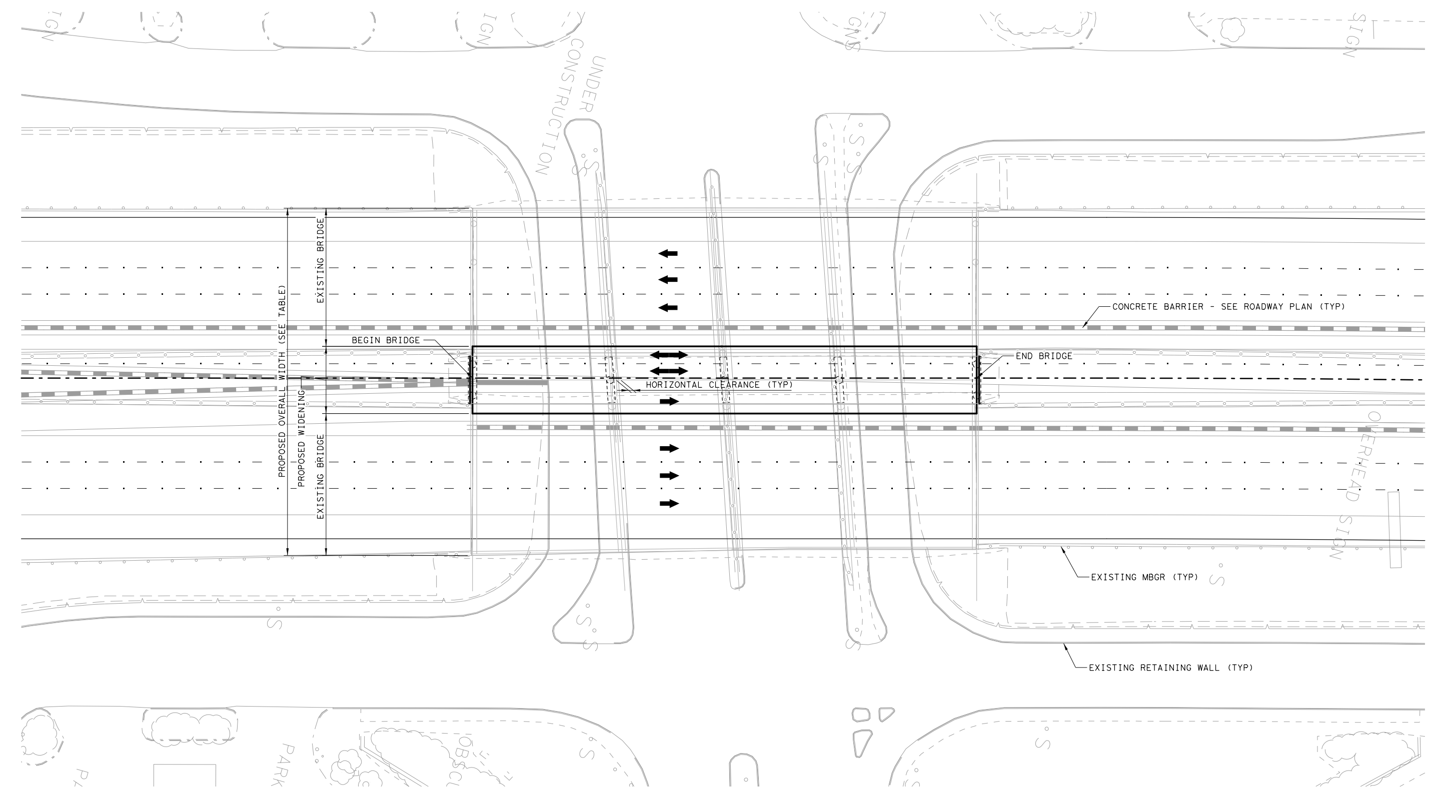
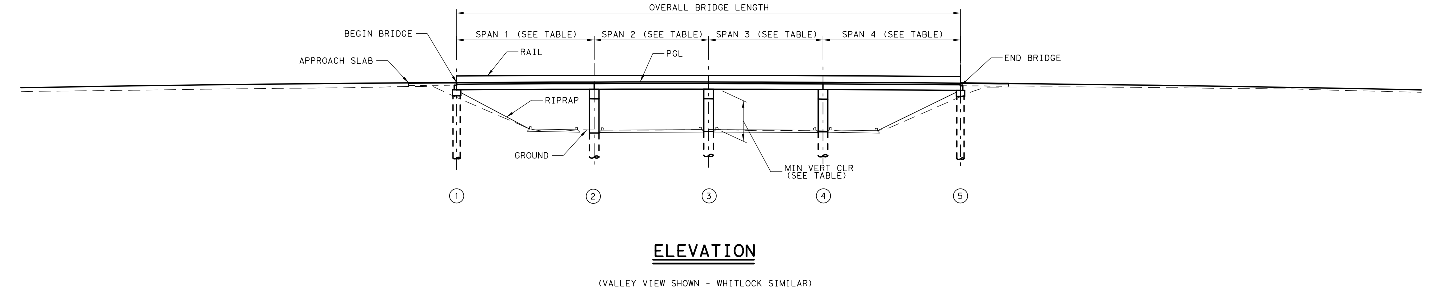


PLAN



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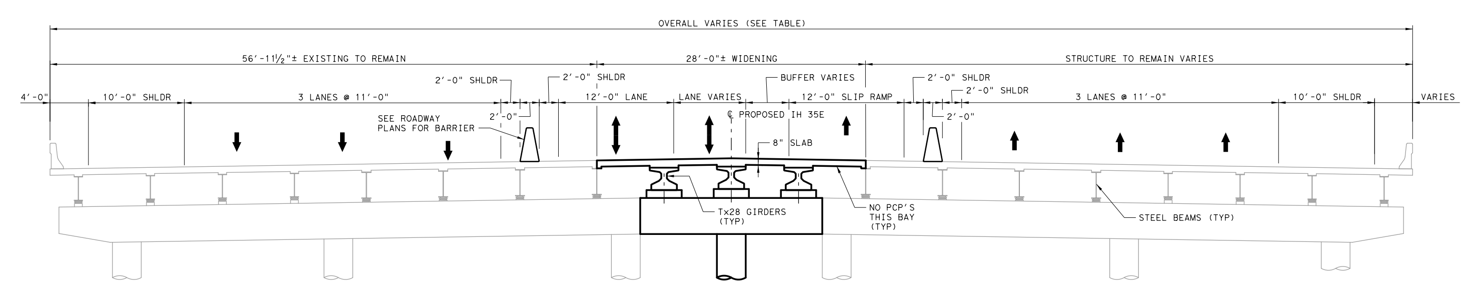
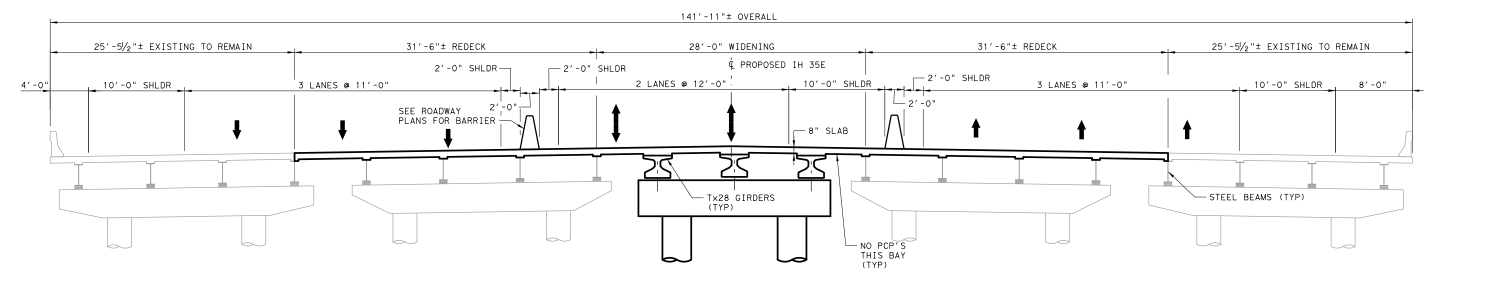


PROPOSED TYPICAL SECTION - VALLEY VIEW LANE



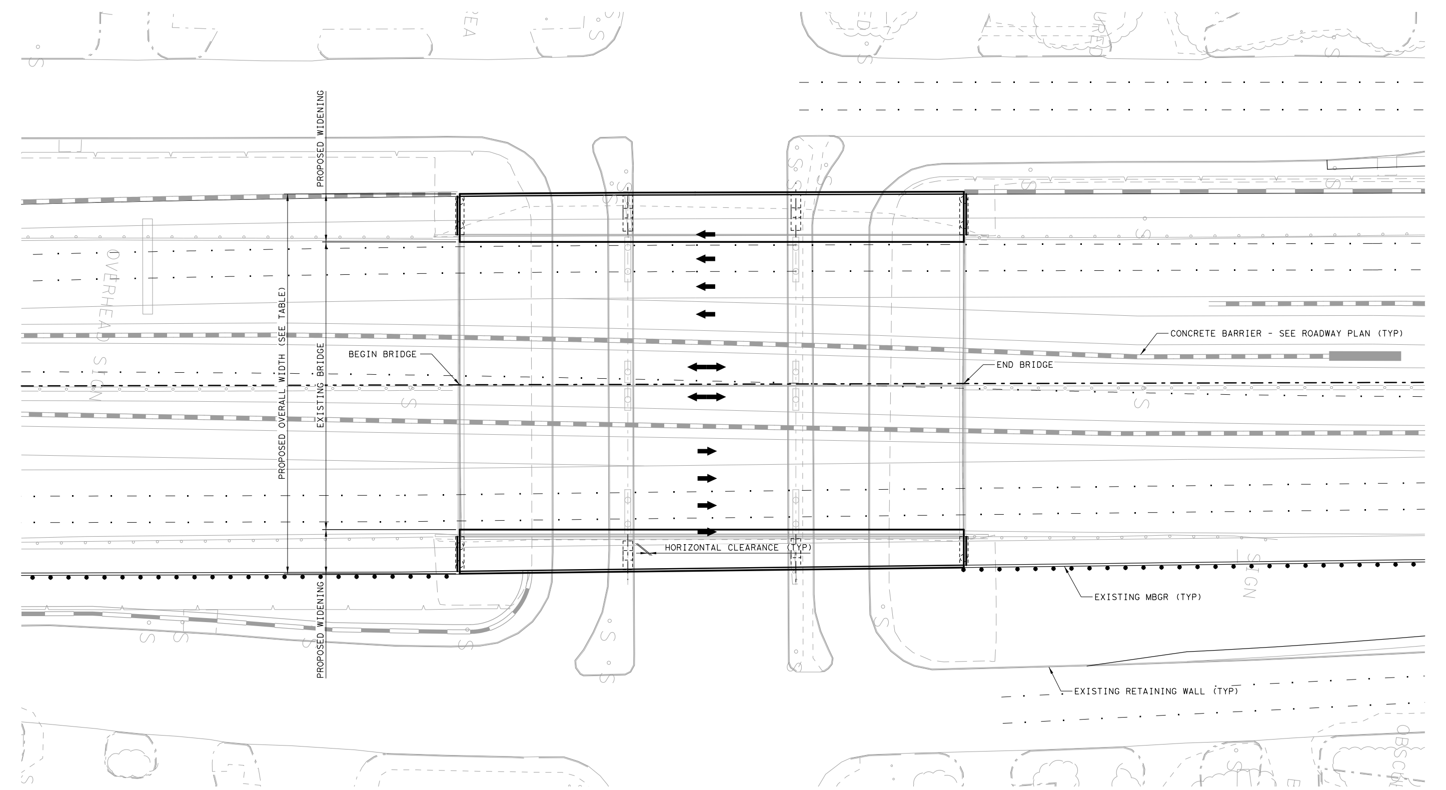
PROPOSED TYPICAL SECTION - WHITLOCK LANE

Bridge Number	Bridge Name	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
10	Valley View LN Overpass	1		632+59.63		0.0 deg	143.61′	N.A.	--				Abutment	Drilled Shafts	None
			1		57.33′					14.3′	14.3′	Prstrs Beam			
		2		633+16.96		3.0 deg	142.75′	0.8′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	None
			2		47.67′					14.3′	14.3′	Prstrs Beam			
		3		633+64.63		3.0 deg	142.14′	1.0′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	None
			3		47.67′					14.3′	14.3′	Prstrs Beam			
		4		634+12.30		3.0 deg	141.92′	1.9′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	None
			4		57.33′					14.3′	14.3′	Prstrs Beam			
		5		634+69.63		0.0 deg	141.92′	N.A.	--				Abutment	Drilled Shafts	None

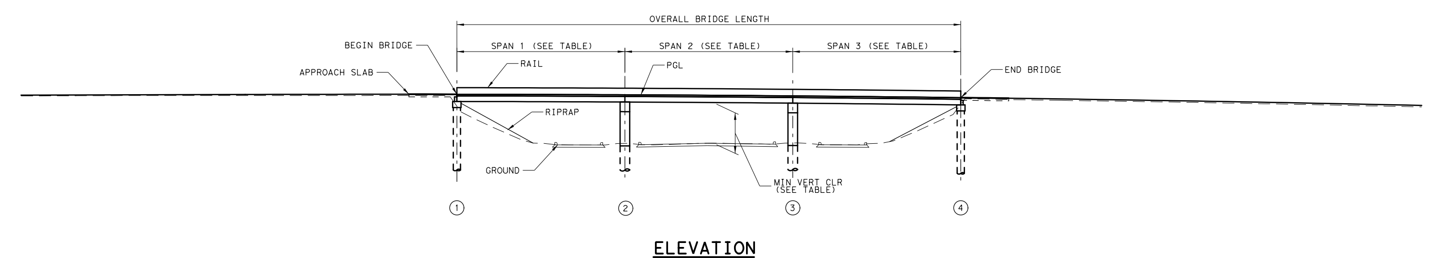
* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.

Bridge Number	Bridge Name	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
39	Whitlock Ln(Sandy Lake) Overpass Widening	1		811+83.70		0.0 deg	141.92′	6.8′	Concrete Barrier				Abutment	Drilled Shafts	None
			1		37.50′					15.2′	15.2′	Prstrs Beam			
		2		812+21.20		0.0 deg	141.92′	1.0′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	None
			2		45.00′					14.4′	14.4′	Prstrs Beam			
		3		812+66.20		0.0 deg	141.92′	1.0′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	None
			3		37.50′					14.6′	14.6′	Prstrs Beam			
		4		813+03.70		0.0 deg	141.92′	7.8′	Concrete Barrier				Abutment	Drilled Shafts	None

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.



PLAN



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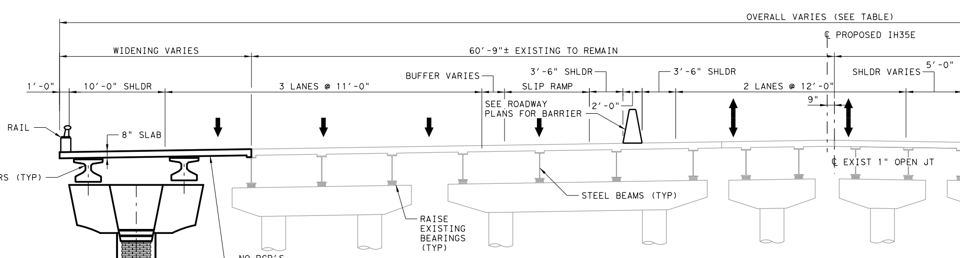
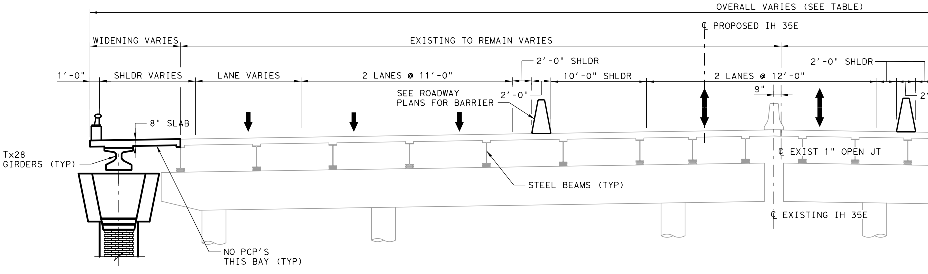


PROPOSED TYPICAL SECTION - VALWOOD PKWY



PROPOSED TYPICAL SECTION - CROSBY STREET

Bridge Number	Bridge Name	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
15	NB GP Valwood Pkwy Overpass	1		690+53.21		0.0 deg	78.33′	N.A.	--				Abutment	Drilled Shafts	Baseline - Urban
			1		70.00′					15.3′	15.1′	Prstrs Beam			
		2		691+23.21		0.0 deg	77.50′	0.0′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline - Urban
			2		70.00′					14.7′	14.5′	Prstrs Beam			
		3		691+93.21		0.0 deg	76.65′	1.3′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline - Urban
			3		70.00′					14.7′	14.5′	Prstrs Beam			
		4		692+63.21		0.0 deg	75.80′	N.A.	--				Abutment	Drilled Shafts	Baseline - Urban
16	SB GP Valwood Pkwy Overpass	1		690+53.21		0.0 deg	79.93′	N.A.	--				Abutment	Drilled Shafts	Baseline - Urban
			1		70.00′					15.3′	15.1′	Prstrs Beam			
		2		691+23.21		0.0 deg	80.47′	0.0′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline - Urban
			2		70.00′					14.7′	14.5′	Prstrs Beam			
		3		691+93.21		0.0 deg	80.68′	1.3′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline - Urban
			3		70.00′					14.7′	14.5′	Prstrs Beam			
		4		692+63.21		0.0 deg	80.86′	N.A.	--				Abutment	Drilled Shafts	Baseline - Urban

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May 8, 2013
DATE

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Bridge Number	Bridge Name	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
20	SB GP Crosby Street Overpass	1		723+88.14		0.0 deg	71.27′	N.A.	--				Abutment	Drilled Shafts	None
			1		28.50′					N.A.	N.A.	Prstrs Beam			
		2		724+16.64		0.0 deg	71.48′	8.5′	Curb				Multi-Col Bent	Drilled Shafts	Baseline - Urban
			2		63.00′					14.5′	14.5′	Prstrs Beam			
		3		724+79.64		0.0 deg	71.94′	6.5′	Curb				Multi-Col Bent	Drilled Shafts	Baseline - Urban
			3		28.50′					N.A.	N.A.	Prstrs Beam			
		4		725+08.14		0.0 deg	72.15′	N.A.	--				Abutment	Drilled Shafts	None

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IH 35E WORK PACKAGE 4
BRIDGE CONCEPT PLANS
BRIDGE ROLL 1 OF 12

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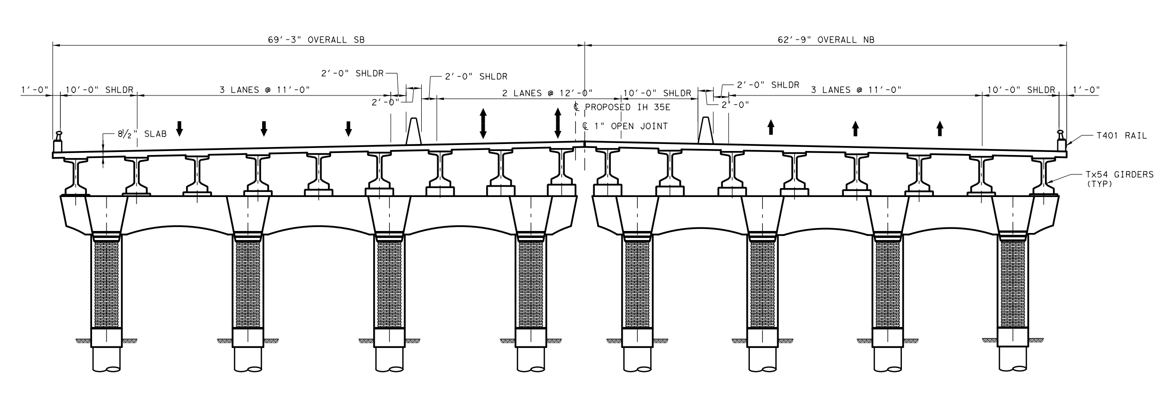

PROPOSED TYPICAL SECTION - BELTLINE ROAD OVERPASS

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Bridge Number	Bridge Name	Abutment/ Bent No.	Span No.	Geometry				Clearances				Proposed Bridge Type			
				Station	Span Length	Skew	Proposed Deck Width at C.L. Bent	Minimum Horizontal Clearance	Protection	Existing Vertical Clearance	Calculated Proposed Vert Clearance*	Superstructure Type	Substructure Type	Foundation Type	Substructure Aesthetics
22	NB Belt Line Road Overpass (ATC)	1		736+25.50		0.0 deg	64.00'	N.A.	--				Abutment	Drilled Shafts	Baseline Accent -
			1		105.00'					N.A.	N.A.	Prstrs Beam			--
		2		737+30.50		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			2		105.00'					N.A.	N.A.	Prstrs Beam			--
		3		738+35.50		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			3		105.00'					N.A.	N.A.	Prstrs Beam			--
		4		739+40.50		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			4		105.00'					N.A.	N.A.	Prstrs Beam			--
		5		740+45.50		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			5		105.00'					N.A.	N.A.	Prstrs Beam			--
		6		741+50.50		0.0 deg	64.00'	32.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			6		105.00'					N.A.	<16.5'	Prstrs Beam			--
		7		742+55.50		0.0 deg	64.00'	26.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			7		101.00'					N.A.	N.A.	Prstrs Beam			--
		8		743+56.50		15.0 deg	64.00'	61.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			8		114.00'					N.A.	<16.5'	Prstrs Beam			--
		9		744+70.50		20.0 deg	64.00'	2.0'	Curb				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			9		35.00'					N.A.	N.A.	Prstrs Beam			--
		10		745+05.50		60.0 deg	64.00'	44.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			10		193.00'					N.A.	<23.0'	Steel Girder			--
		11		746+98.50		60.0 deg	64.00'	28.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			11		90.00'					N.A.	N.A.	Prstrs Beam			--
		12		747+88.50		50.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			12		90.00'					N.A.	N.A.	Prstrs Beam			--
		13		748+78.50		35.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			13		90.00'					N.A.	N.A.	Prstrs Beam			--
		14		749+68.50		15.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			14		95.00'					N.A.	N.A.	Prstrs Beam			--
		15		750+63.50		5.0 deg	64.00'	73.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			15		115.00'					N.A.	<16.5'	Prstrs Beam			--
		16		751+78.50		5.0 deg	64.00'	0.0'	Curb				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			16		91.00'					N.A.	<16.5'	Prstrs Beam			--
		17		752+69.50		5.0 deg	64.00'	36.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			17		81.50'					N.A.	<23.0'	Prstrs Beam			--
		18		753+51.00		0.0 deg	64.00'	27.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			18		105.00'					N.A.	N.A.	Prstrs Beam			--
		19		754+56.00		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			19		105.00'					N.A.	N.A.	Prstrs Beam			--
		20		755+61.00		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			20		105.00'					N.A.	N.A.	Prstrs Beam			--
		21		756+66.00		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			21		105.00'					N.A.	N.A.	Prstrs Beam			--
		22		757+71.00		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			22		105.00'					N.A.	N.A.	Prstrs Beam			--
		23		758+76.00		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			23		105.00'					N.A.	N.A.	Prstrs Beam			--
		24		759+81.00		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			24		105.00'					N.A.	<16.5'	Prstrs Beam			--
		25		760+86.00		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			25		105.00'					N.A.	N.A.	Prstrs Beam			--
		26		761+91.00		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			26		105.00'					N.A.	N.A.	Prstrs Beam			--
		27		762+96.00		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			27		105.00'					N.A.	N.A.	Prstrs Beam			--
		28		764+01.00		0.0 deg	64.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			28		99.00'					N.A.	N.A.	Prstrs Beam			--
		29		765+00.00		0.0 deg	64.00'	N.A.	--				Abutment	Drilled Shafts	Baseline Accent -

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.

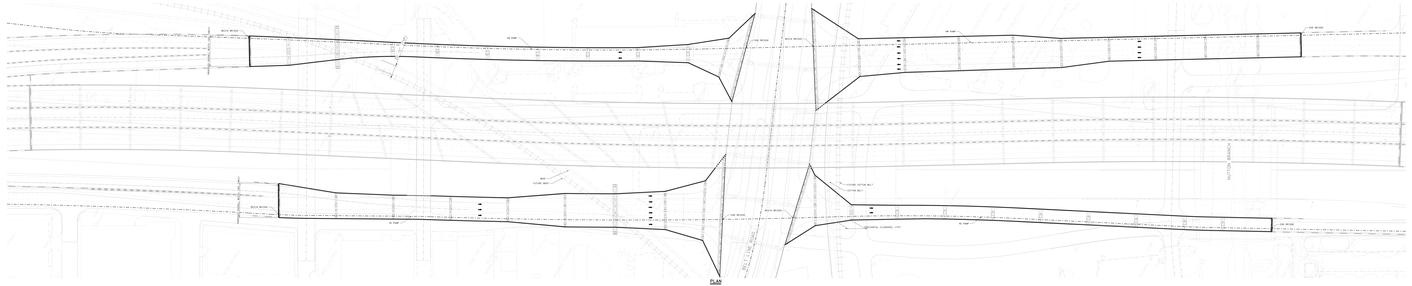
Bridge Number	Bridge Name	Abutment/ Bent No.	Span No.	Geometry				Clearances				Proposed Bridge Type			
				Station	Span Length	Skew	Proposed Deck Width at C.L. Bent	Minimum Horizontal Clearance	Protection	Existing Vertical Clearance	Calculated Proposed Vert Clearance*	Superstructure Type	Substructure Type	Foundation Type	Substructure Aesthetics
23	SB Belt Line Road Overpass (ATC)	1		736+25.50		0.0 deg	68.00'	N.A.	--				Abutment	Drilled Shafts	Baseline Accent -
			1		105.00'					N.A.	N.A.	Prstrs Beam			--
		2		737+30.50		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			2		105.00'					N.A.	N.A.	Prstrs Beam			--
		3		738+35.50		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			3		105.00'					N.A.	N.A.	Prstrs Beam			--
		4		739+40.50		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			4		105.00'					N.A.	N.A.	Prstrs Beam			--
		5		740+45.50		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			5		105.00'					N.A.	N.A.	Prstrs Beam			--
		6		741+50.50		0.0 deg	68.00'	32.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			6		105.00'					N.A.	<16.5'	Prstrs Beam			--
		7		742+55.50		0.0 deg	68.00'	26.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			7		69.00'					N.A.	N.A.	Prstrs Beam			--
		8		743+24.50		20.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			8		61.00'					N.A.	N.A.	Prstrs Beam			--
		9		743+85.50		30.0 deg	68.00'	50.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			9		120.00'					N.A.	<16.5'	Prstrs Beam			--
		10		745+05.50		60.0 deg	68.00'	0.0'	Curb		<16.5'		Multi-Col Bent	Drilled Shafts	Baseline Accent -
			10		193.00'					N.A.	<23.0'	Steel Girder			--
		11		746+98.50		60.0 deg	68.00'	27.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			11		90.00'					N.A.	N.A.	Prstrs Beam			--
		12		747+88.50		50.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			12		90.00'					N.A.	N.A.	Prstrs Beam			--
		13		748+78.50		35.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			13		90.00'					N.A.	N.A.	Prstrs Beam			--
		14		749+68.50		15.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			14		95.00'					N.A.	N.A.	Prstrs Beam			--
		15		750+63.50		5.0 deg	68.00'	73.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			15		115.00'					N.A.	<16.5'	Prstrs Beam			--
		16		751+78.50		5.0 deg	68.00'	0.0'	Curb				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			16		91.00'					N.A.	<16.5'	Prstrs Beam			--
		17		752+69.50		5.0 deg	68.00'	36.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			17		81.50'					N.A.	<23.0'	Prstrs Beam			--
		18		753+51.00		0.0 deg	68.00'	27.0'	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			18		105.00'					N.A.	N.A.	Prstrs Beam			--
		19		754+56.00		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			19		105.00'					N.A.	N.A.	Prstrs Beam			--
		20		755+61.00		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			20		105.00'					N.A.	N.A.	Prstrs Beam			--
		21		756+66.00		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			21		105.00'					N.A.	N.A.	Prstrs Beam			--
		22		757+71.00		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			22		105.00'					N.A.	N.A.	Prstrs Beam			--
		23		758+76.00		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			23		105.00'					N.A.	N.A.	Prstrs Beam			--
		24		759+81.00		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			24		105.00'					N.A.	<16.5'	Prstrs Beam			--
		25		760+86.00		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			25		105.00'					N.A.	N.A.	Prstrs Beam			--
		26		761+91.00		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			26		105.00'					N.A.	N.A.	Prstrs Beam			--
		27		762+96.00		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			27		105.00'					N.A.	N.A.	Prstrs Beam			--
		28		764+01.00		0.0 deg	68.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	Baseline Accent -
			28		99.00'					N.A.	N.A.	Prstrs Beam			--
		29		765+00.00		0.0 deg	68.00'	N.A.	--				Abutment	Drilled Shafts	Baseline Accent -

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.

IH 35E WORK PACKAGE 4
BRIDGE CONCEPT PLANS
BRIDGE ROLL 2 OF 12

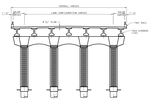
PARSONS
HDR
AGL CONSTRUCTORS
ARCHER WESTERN | GRANITE | LANE
INTERSTATE TEXAS 35E
IH 35E MANAGED LANES

Texas Department of Transportation
IH 35E MANAGED LANES
CONFIDENTIAL

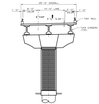


PLAN

ELEVATION



TYPICAL MULTI COLUMN BENT SECTION



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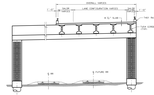

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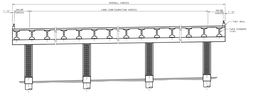

TYPICAL MULTI COLUMN "L" BENT SECTION

Bridge Number	Bridge Name	Alternate Bridge No.	Span No.	Geometry: Span Length	Skew	Transport Or Haul Width	Minimum Vertical Clearance	Overpass: Protection	Existing Clearance	Clearance Under Bridge	Proposed Bridge Type: Superstructure Type	Prestressed Type	Prestressed Shape	Substructure Material
IH-1	Bat Lee East SB Ramp (UP)	-	1	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	-	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	2	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	3	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	4	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	5	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	6	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	7	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	8	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	9	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	10	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	11	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
IH-2	Bat Lee East NB Ramp (UP)	-	1	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	-	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	2	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	3	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	4	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	5	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	6	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	7	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	8	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	9	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	10	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	11	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PRELIMS, SUBJECT TO CHANGE.

Bridge Number	Bridge Name	Alternate Bridge No.	Span No.	Geometry: Span Length	Skew	Transport Or Haul Width	Minimum Vertical Clearance	Overpass: Protection	Existing Clearance	Clearance Under Bridge	Proposed Bridge Type: Superstructure Type	Prestressed Type	Prestressed Shape	Substructure Material
IH-3	Bat Lee East FW Frtg (UP)	-	1	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	-	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	2	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	3	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	4	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	5	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	6	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	7	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	8	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	9	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	10	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	11	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
IH-4	Bat Lee East FW Frtg (UP)	-	1	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	-	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	2	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	3	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	4	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	5	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	6	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	7	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	8	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	9	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	10	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	11	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments
		-	12	100.100L/W	0°	5.5 Mbg	16.50'	N/A	-	N/A	Prestr Beam	Bulb-Tee (Adjacent)	Bulb-Tee	Stub-Tee Abutments

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PRELIMS, SUBJECT TO CHANGE.

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May 2013
PRELIMINARY
SUBJECT TO REVISION

RECOMMENDED FOR FHWA APPROVAL

TRAFFIC ENGINEER — LYNN ROSS
DATE — 11-1-2013

ROAD ENGINEER — DAVID P. BEE
DATE — 11-1-2013

PROJECT ENGINEER — PAUL R. TUCKER
DATE — 11-1-2013

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

IH 35E MANAGED LANES
CONFIDENTIAL

IH 35E WORK PACKAGE 4
BRIDGE CONCEPT PLANS
BRIDGE ROLL 3 OF 12

PARSONS
TYLIN

SHEET NO. 26 OF 35

Bridge Number	Bridge Name	Abutment Bent No.	Span No.	Status	Span Length	Girders			Diaphragms			Deck Slab	Deck Slab Thickness	Deck Slab Type		Expansion Joints	
						Type	Length	Minimum Vertical Clearance	Protection	Spacing (Approx.)	Calculated Quantities	Overhang Type	Thickness	Type	Material	Type	Material
		1		CONT.OVR			5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			1	CONT.OVR	100.0'±1'		5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		2		CONT.OVR			5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			2	CONT.OVR	100.0'±1'		5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		3		CONT.OVR			5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			3	CONT.OVR	100.0'±1'		5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		4		CONT.OVR			5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			4	CONT.OVR	100.0'±1'		5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		5		CONT.OVR			5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			5	CONT.OVR	100.0'±1'		5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		6		CONT.OVR			5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			6	CONT.OVR	100.0'±1'		5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		7		CONT.OVR			5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			7	CONT.OVR	100.0'±1'		5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		8		CONT.OVR			5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			8	CONT.OVR	100.0'±1'		5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		9		CONT.OVR			5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			9	CONT.OVR	100.0'±1'		5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		10		CONT.OVR			5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			10	CONT.OVR	100.0'±1'		5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		11		CONT.OVR			5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			11	CONT.OVR	100.0'±1'		5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		12		CONT.OVR			5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			12	CONT.OVR	100.0'±1'		5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		13		CONT.OVR			5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			13	CONT.OVR	100.0'±1'		5.5' Min	17.0'±1/2'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		14		CONT.OVR			5.5' Min	16.5'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			14	CONT.OVR	100.0'±1'		5.5' Min	16.5'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		15		CONT.OVR			5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			15	CONT.OVR	100.0'±1'		5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		16		CONT.OVR			5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			16	CONT.OVR	100.0'±1'		5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		17		CONT.OVR			5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			17	CONT.OVR	100.0'±1'		5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		18		CONT.OVR			5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			18	CONT.OVR	100.0'±1'		5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		19		CONT.OVR			5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			19	CONT.OVR	100.0'±1'		5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		20		CONT.OVR			5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			20	CONT.OVR	100.0'±1'		5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		21		CONT.OVR			5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			21	CONT.OVR	100.0'±1'		5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		22		CONT.OVR			5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			22	CONT.OVR	100.0'±1'		5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		23		CONT.OVR			5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			23	CONT.OVR	100.0'±1'		5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
		24		CONT.OVR			5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast
			24	CONT.OVR	100.0'±1'		5.5' Min	16.0'	N/A		N/A	~16.5'	9.0'±1/2 Below		Reinforced	Strip Seal	Steel/Elast

* BASED ON PRELIMINARY STRUCTURAL DETAIL AND PROFILES, SUBJECT TO CHANGE.

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May 2013
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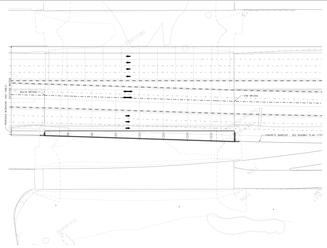
TEXAS DEPARTMENT OF TRANSPORTATION	CONVOY
Project Manager	S. BURNS
Project Engineer	T.C. BURNS
Date	05/24/2013 - T.C. BURNS
Date	05/24/2013 - T.C. BURNS

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

PARSONS
TXR

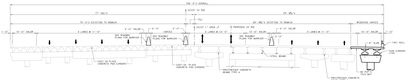
IH 35E WORK PACKAGE 4
BRIDGE CONCEPT PLANS
BRIDGE ROLL 4 OF 12

IH-35E MANAGED LANES
CONFIDENTIAL

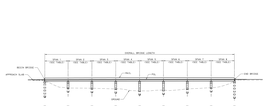


PLAN

ELM FORK RELIEF NO. 2



PROPOSED TYPICAL SECTION - ELM FORK RELIEF 2 BRIDGE

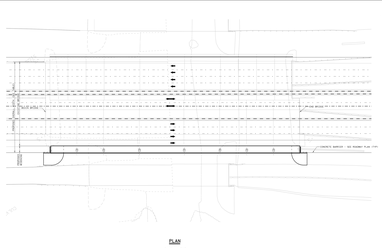


ELEVATION

ELM FORK RELIEF NO. 2

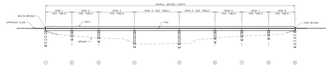
Bridge Number	Bridge Name	Alternate Route No.	Span No.	Status	Geometry Span Length	Rise	Geometry Proposed Min. Vert. Clearance	Geometry Minimum Horizontal Clearance	Geometry Protection	Geometry Existing Vertical Clearance	Calculated Proposed Vertical Clearance	Proposed Bridge Type Superstructure Type	Proposed Bridge Type Substructure Type	Proposed Bridge Type Foundation Type	Proposed Bridge Type Substructure Modification
					(ft)	(ft)	(ft)	(ft)		(ft)	(ft)				
			1		20.0'+20.0'					N/A	N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			2		20.0'+20.0'	0.0' (Bdg)	17.0'	N/A		N/A	N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			3		20.0'+20.0'	0.0' (Bdg)	17.0'	N/A		N/A	N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			4		20.0'+20.0'	0.0' (Bdg)	17.0'	N/A		N/A	N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			5		20.0'+20.0'	0.0' (Bdg)	17.0'	N/A		N/A	N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			6		20.0'+20.0'	0.0' (Bdg)	17.0'	N/A		N/A	N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			7		20.0'+20.0'	0.0' (Bdg)	17.0'	N/A		N/A	N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			8		20.0'+20.0'	0.0' (Bdg)	17.0'	N/A		N/A	N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			9		20.0'+20.0'	0.0' (Bdg)	17.0'	N/A		N/A	N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			10		20.0'+20.0'	0.0' (Bdg)	17.0'	N/A		N/A	N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			11		20.0'+20.0'	0.0' (Bdg)	17.0'	N/A		N/A	N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			12		20.0'+20.0'	0.0' (Bdg)	17.0'	N/A		N/A	N/A	Prestr Beam	Rectangular Column	Spread Footing	None

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.



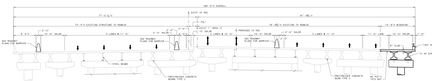
PLAN

ELM FORK BRIDGE



ELEVATION

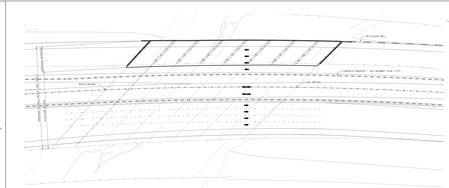
ELM FORK BRIDGE



PROPOSED TYPICAL SECTION - ELM FORK BRIDGE

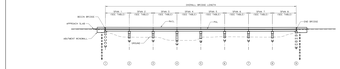
Bridge Number	Bridge Name	Alternate Route No.	Span No.	Status	Geometry Span Length	Rise	Geometry Proposed Min. Vert. Clearance	Geometry Minimum Horizontal Clearance	Geometry Protection	Geometry Existing Vertical Clearance	Calculated Proposed Vertical Clearance	Proposed Bridge Type Superstructure Type	Proposed Bridge Type Substructure Type	Proposed Bridge Type Foundation Type	Proposed Bridge Type Substructure Modification
					(ft)	(ft)	(ft)	(ft)		(ft)	(ft)				
			1		80'-0 IN.	0.0' (Bdg)	5.5' (Bdg)	75.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			2		80'-0 IN.	0.0' (Bdg)	5.5' (Bdg)	75.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			3		80'-0 IN.	0.0' (Bdg)	5.5' (Bdg)	75.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			4		80'-0 IN.	0.0' (Bdg)	5.5' (Bdg)	75.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			5		80'-0 IN.	0.0' (Bdg)	5.5' (Bdg)	75.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			6		80'-0 IN.	0.0' (Bdg)	5.5' (Bdg)	75.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			7		80'-0 IN.	0.0' (Bdg)	5.5' (Bdg)	75.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			8		80'-0 IN.	0.0' (Bdg)	5.5' (Bdg)	75.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			9		80'-0 IN.	0.0' (Bdg)	5.5' (Bdg)	75.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			10		80'-0 IN.	0.0' (Bdg)	5.5' (Bdg)	75.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			11		80'-0 IN.	0.0' (Bdg)	5.5' (Bdg)	75.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			12		80'-0 IN.	0.0' (Bdg)	5.5' (Bdg)	75.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.



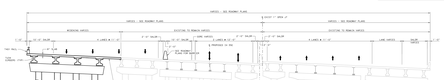
PLAN

IH TIMBER CREEK BRIDGE WIDENING



ELEVATION

IH TIMBER CREEK BRIDGE WIDENING



PROPOSED TYPICAL SECTION - TIMBER CREEK BRIDGE WIDENING

Bridge Number	Bridge Name	Alternate Route No.	Span No.	Status	Geometry Span Length	Rise	Geometry Proposed Min. Vert. Clearance	Geometry Minimum Horizontal Clearance	Geometry Protection	Geometry Existing Vertical Clearance	Calculated Proposed Vertical Clearance	Proposed Bridge Type Superstructure Type	Proposed Bridge Type Substructure Type	Proposed Bridge Type Foundation Type	Proposed Bridge Type Substructure Modification
					(ft)	(ft)	(ft)	(ft)		(ft)	(ft)				
			1		110@70.0, 40.0'		16.0' (Bdg)	110.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			2		110@70.0, 40.0'	0.0' (Bdg)	16.0' (Bdg)	110.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			3		110@70.0, 40.0'	0.0' (Bdg)	16.0' (Bdg)	110.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			4		110@70.0, 40.0'	0.0' (Bdg)	16.0' (Bdg)	110.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			5		110@70.0, 40.0'	0.0' (Bdg)	16.0' (Bdg)	110.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			6		110@70.0, 40.0'	0.0' (Bdg)	16.0' (Bdg)	110.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			7		110@70.0, 40.0'	0.0' (Bdg)	16.0' (Bdg)	110.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			8		110@70.0, 40.0'	0.0' (Bdg)	16.0' (Bdg)	110.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			9		110@70.0, 40.0'	0.0' (Bdg)	16.0' (Bdg)	110.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			10		110@70.0, 40.0'	0.0' (Bdg)	16.0' (Bdg)	110.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			11		110@70.0, 40.0'	0.0' (Bdg)	16.0' (Bdg)	110.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None
			12		110@70.0, 40.0'	0.0' (Bdg)	16.0' (Bdg)	110.00'	N/A		N/A	Prestr Beam	Rectangular Column	Spread Footing	None

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.

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May 2015

PRELIMINARY
SUBJECT TO REVISIONS

ELEVATIONS TECHNICALLY CERTIFIED BY:

TIMOTHY A. CHANDLER
LICENSED
STATE OF TEXAS
NO. 112608
12/31/2015

PROJECT MANAGER:
DAVID GARCIA, P.E.

PARSONS BRINCKERHOFF
TEXAS
TBPE FIRM F-3480

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

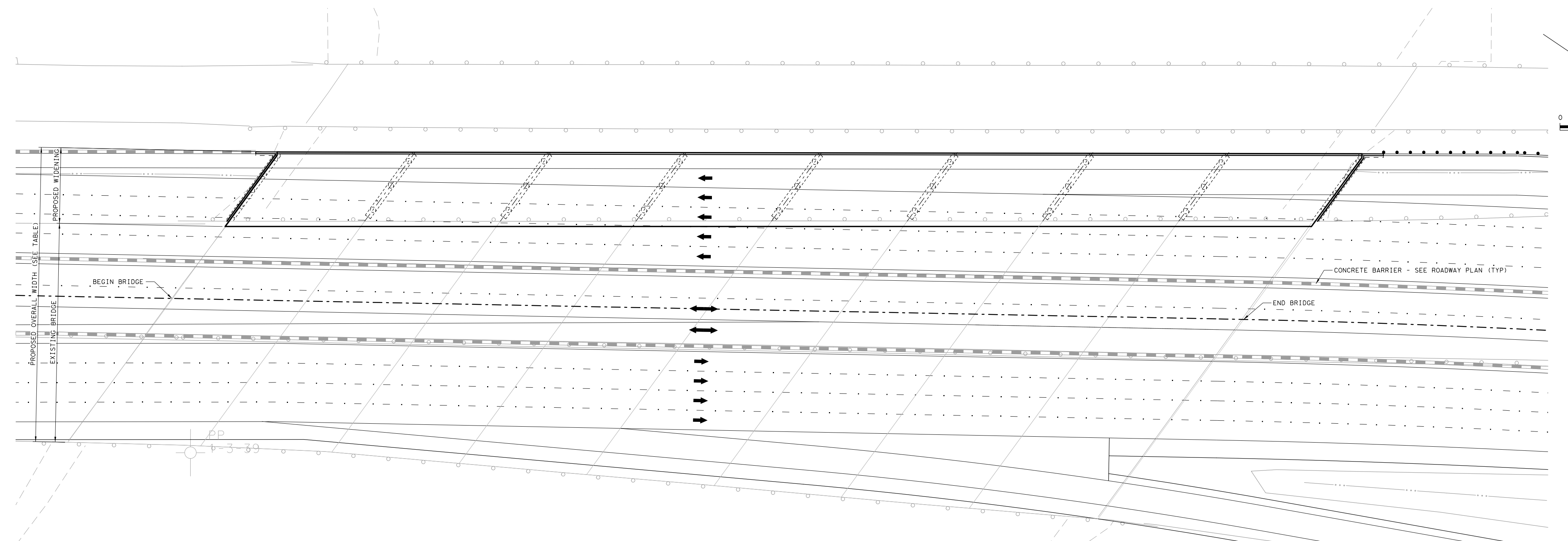
PARSONS BRINCKERHOFF

TEXAS

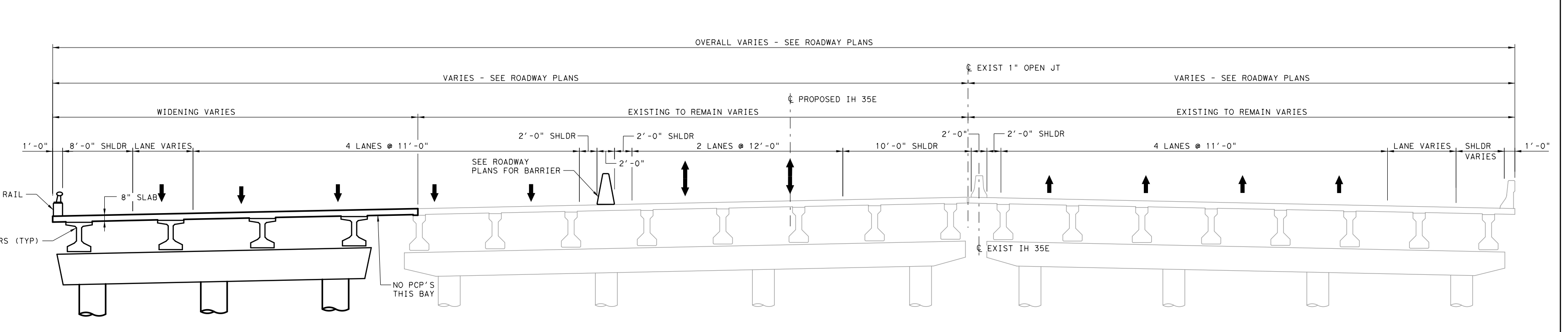
IH 35E WORK PACKAGE 4
BRIDGE CONCEPT PLANS
BRIDGE ROLL 5 OF 12

IH 35E MANAGED LANES
CONFIDENTIAL

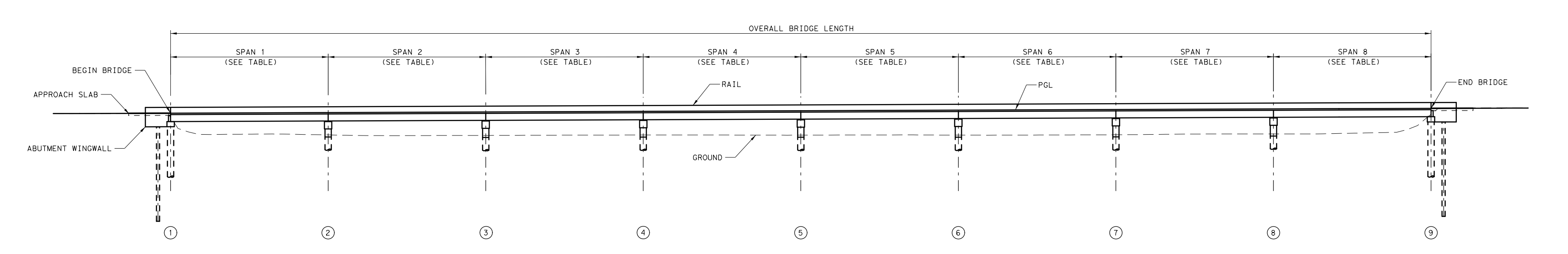
SHEET NO. 28 OF 35



PLAN



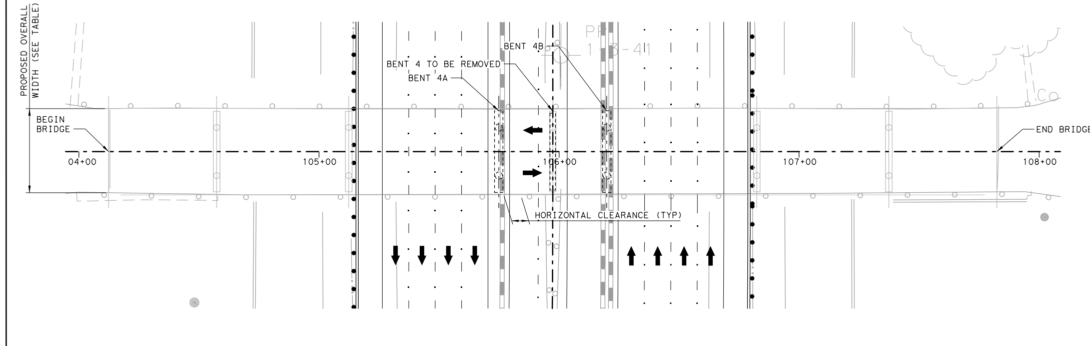
PROPOSED TYPICAL SECTION - TIMBER CREEK RELIEF BRIDGE



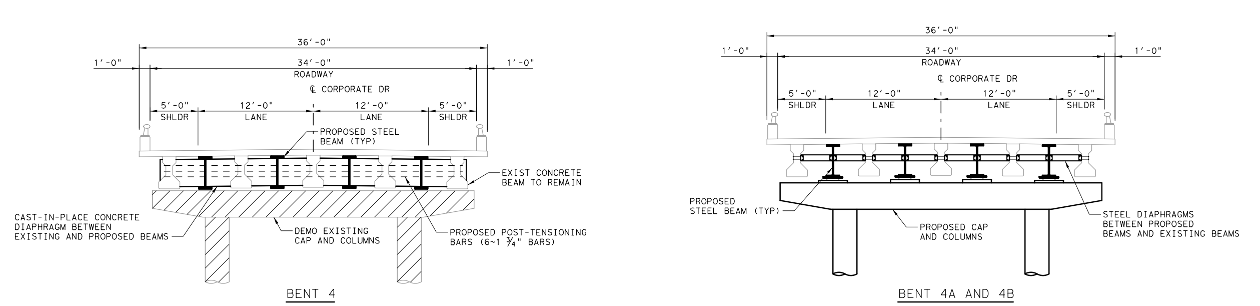
ELEVATION

Bridge Number	Bridge Name	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
75	SB GP Timber Creek Relief Bridge Widening	1		1064+91.45		35.0 deg	100.35′	N.A.	--				Abutment	Drilled Shafts	None
			1		75.00′					N.A.	N.A.	Prstrs Beam			
		2		1065+66.45		35.0 deg	101.53′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			2		75.00′					N.A.	N.A.	Prstrs Beam			
		3		1066+41.45		35.0 deg	103.01′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			3		75.00′					N.A.	N.A.	Prstrs Beam			
		4		1067+16.45		35.0 deg	104.50′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			4		75.00′					N.A.	N.A.	Prstrs Beam			
		5		1067+91.45		35.0 deg	105.99′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			5		75.00′					N.A.	N.A.	Prstrs Beam			
		6		1068+66.45		35.0 deg	107.47′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			6		75.00′					N.A.	N.A.	Prstrs Beam			
		7		1069+41.45		35.0 deg	108.49′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			7		75.00′					N.A.	N.A.	Prstrs Beam			
		8		1070+16.45		35.0 deg	110.45′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			8		75.00′					N.A.	N.A.	Prstrs Beam			
		9		1070+91.45		35.0 deg	111.74′	N.A.	--				Abutment	Drilled Shafts	None

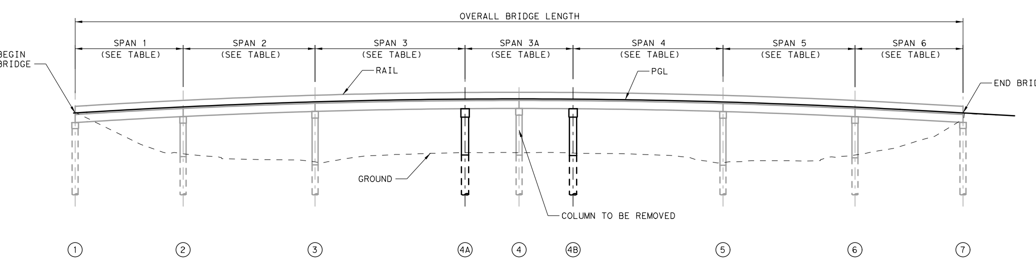
* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.



PLAN



PROPOSED TYPICAL SECTION - CORPORATE DRIVE UNDERPASS RECONSTRUCTION

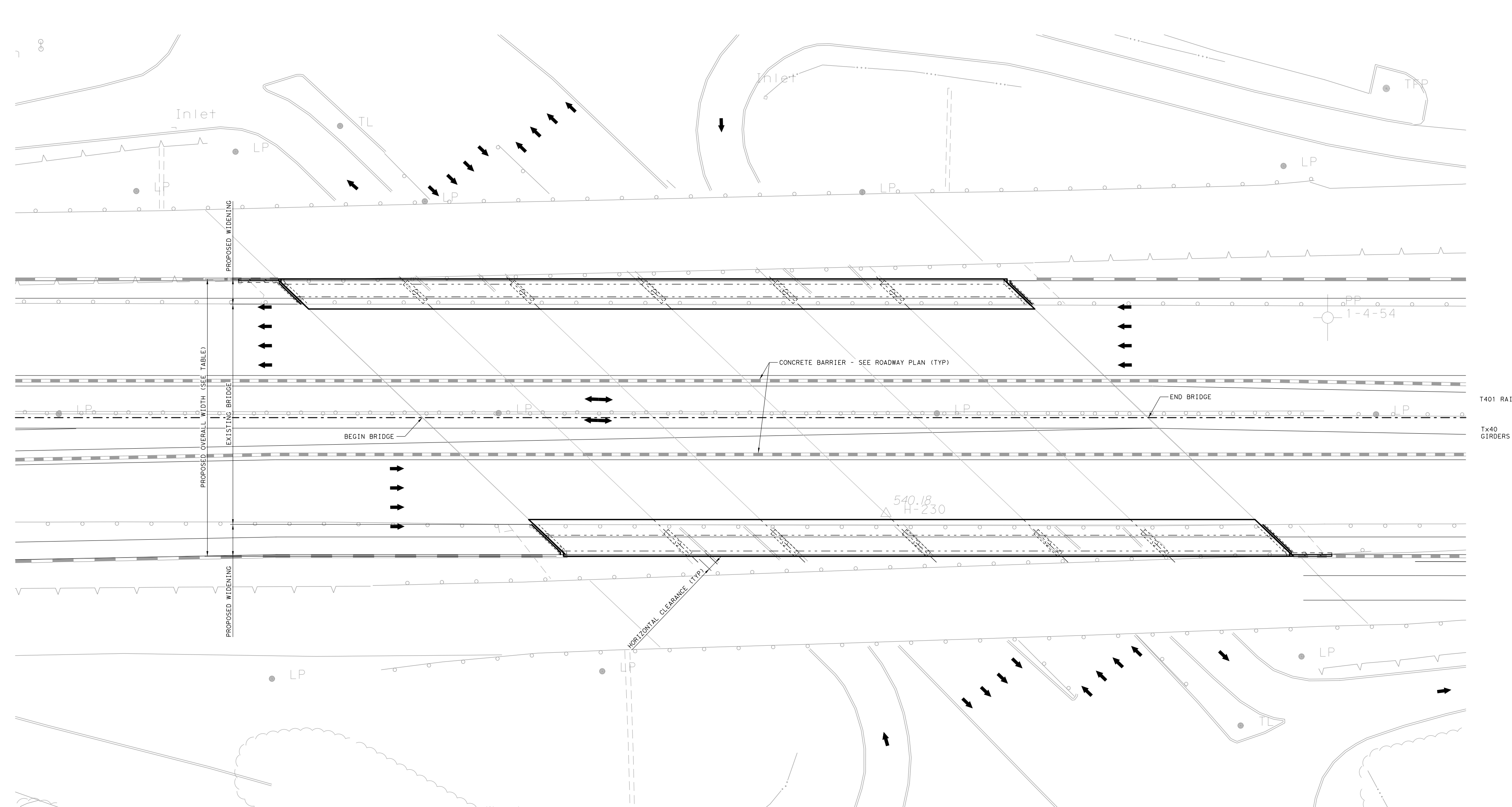


ELEVATION

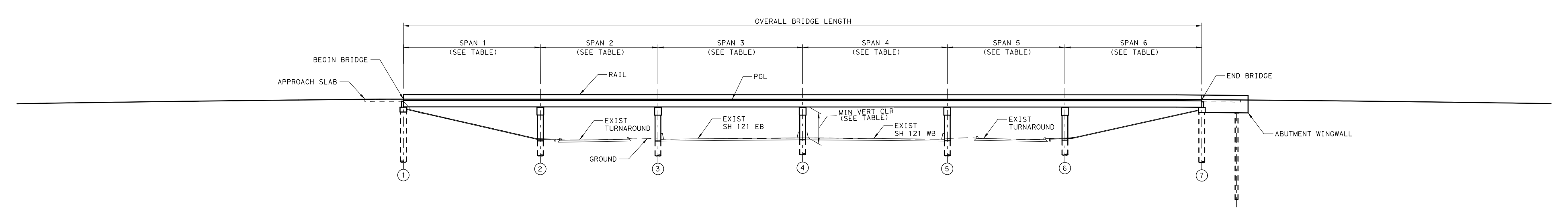
(CORPORATE DRIVE UNDERPASS BRIDGE)

Bridge Number	Bridge Name	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
76	Corporate Dr Underpass	1		104+12.00		0.0 deg	--	N.A.	--				--		None
			1		45.00′					N.A.	N.A.				
		2		104+57.00		0.0 deg	--	N.A.	--				--		Existing
			2		55.00′					16.7′	16.7′				
		3		105+12.00		0.0 deg	--	N.A.	--				--		Existing
			3		62.50′					16.6′	16.6′				
		4A		105+74.50		0.0 deg	--	2.8′	Conc Barrier				Multi-Col Bent	Drilled Shafts	Minor
		4 (Existing)-	3A		45.00′	0.0 deg	--			N.A.	16.6′	Steel Girder			--
		4B		106+19.50		0.0 deg	--	3.0′	Conc Barrier				Multi-Col Bent	Drilled Shafts	Minor
			4		62.50′					16.6′	16.6′				
		5		106+82.00		0.0 deg	--	N.A.	--				--	Drilled Shafts	Existing
			5		55.00′					17.3′	17.3′				
		6		107+37.00		0.0 deg	--	N.A.	--				--		Existing
			6		45.00′					N.A.	N.A.				
		7		107+82.00		0.0 deg	--	N.A.	--				--		None

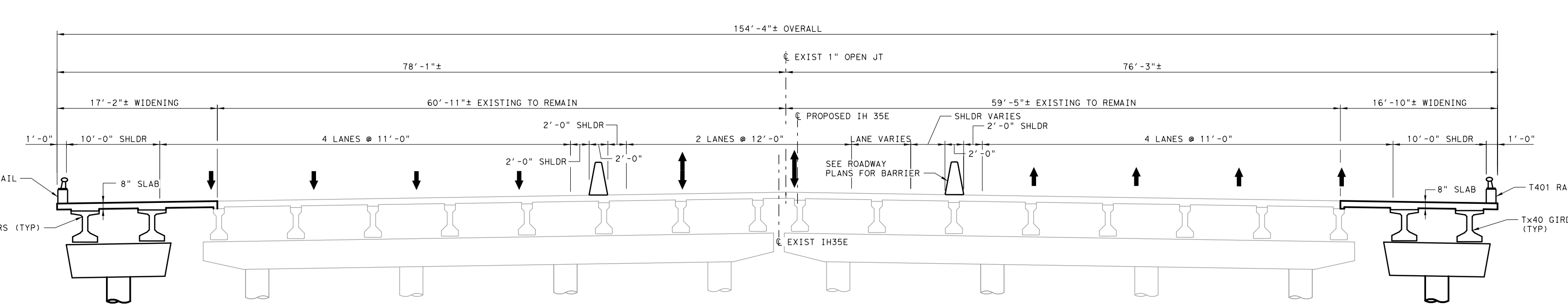
* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.



PLAN



ELEVATION



PROPOSED TYPICAL SECTION - SH 121 BUS OVERPASS WIDENING

Bridge Number	Bridge Name	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
77	NB GP SH121 BUS Overpass Bridge Widening	1		1134+61.00		46.5 deg	76.25′	N.A.	--				Abutment	Drilled Shafts	None
			1		71.00′					N.A.	N.A.	Prstrs Beam			
		2		1135+32.00		46.5 deg	76.25′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			2		61.00′					15.3′	14.9′	Prstrs Beam			
		3		1135+93.00		46.5 deg	76.25′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			3		75.00′					15.8′	15.4′	Prstrs Beam			
		4		1136+68.00		46.5 deg	76.25′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			4		75.00′					15.8′	15.4′	Prstrs Beam			
		5		1137+43.00		46.5 deg	76.25′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			5		61.00′					15.3′	14.9′	Prstrs Beam			
		6		1138+04.00		46.5 deg	76.25′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			6		71.00′					N.A.	N.A.	Prstrs Beam			
		7		1138+75.00		46.5 deg	76.25′	N.A.	--				Abutment	Drilled Shafts	None
78	SB GP SH121 BUS Overpass Bridge Widening	1		1134+61.00		46.5 deg	78.00′	N.A.	--				Abutment	Drilled Shafts	None
			1		71.00′					N.A.	N.A.	Prstrs Beam			
		2		1135+32.00		46.5 deg	78.00′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			2		61.00′					15.3′	14.9′	Prstrs Beam			
		3		1135+93.00		46.5 deg	78.00′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			3		75.00′					15.8′	15.4′	Prstrs Beam			
		4		1136+68.00		46.5 deg	78.00′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			4		75.00′					15.8′	15.4′	Prstrs Beam			
		5		1137+43.00		46.5 deg	78.00′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			5		61.00′					15.3′	14.9′	Prstrs Beam			
		6		1138+04.00		46.5 deg	78.00′	N.A.	--				Multi-Col Bent	Drilled Shafts	Minor
			6		71.00′					N.A.	N.A.	Prstrs Beam			
		7		1138+75.00		46.5 deg	78.00′	N.A.	--				Abutment	Drilled Shafts	None

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.

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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

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May 8, 2013
DATE

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IH 35E MANAGED LANES

AGL CONSTRUCTORS ARCHER WESTERN | GRANITE | LANE

PARSONS HDR

IH 35E WORK PACKAGE 4
BRIDGE CONCEPT PLANS
BRIDGE ROLL 6 OF 12

Texas Department of Transportation

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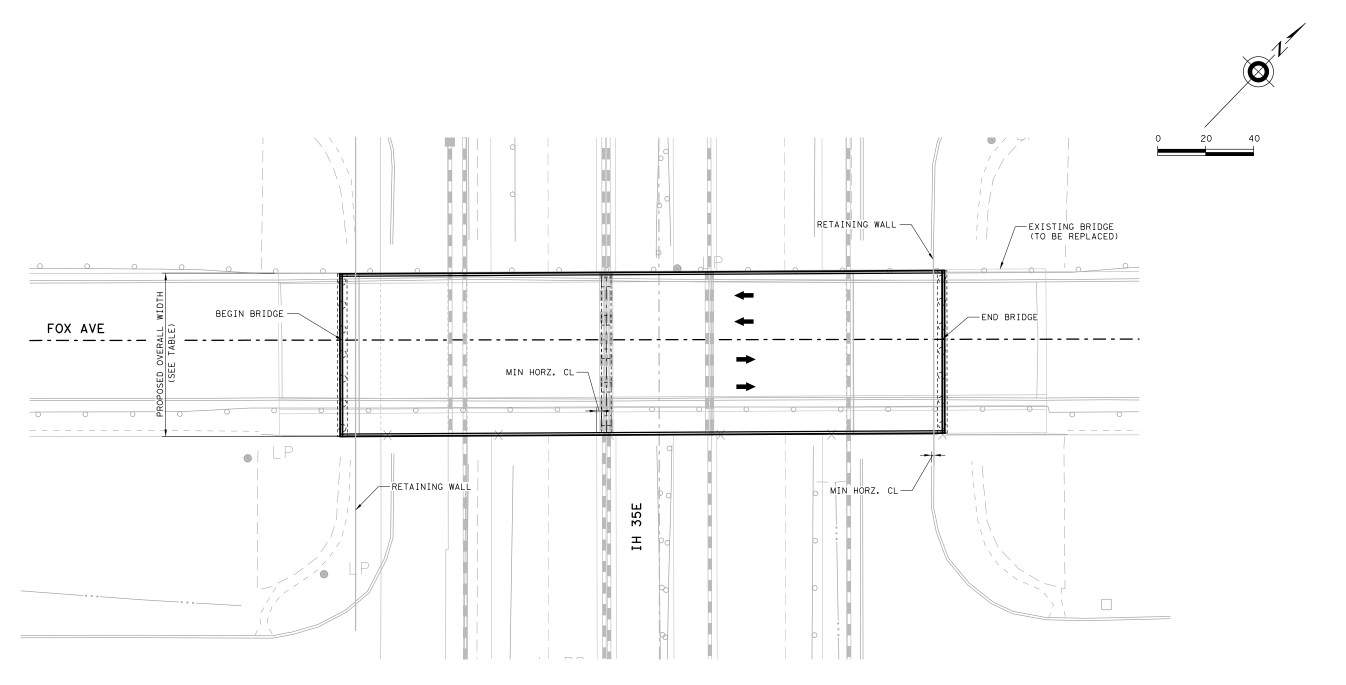
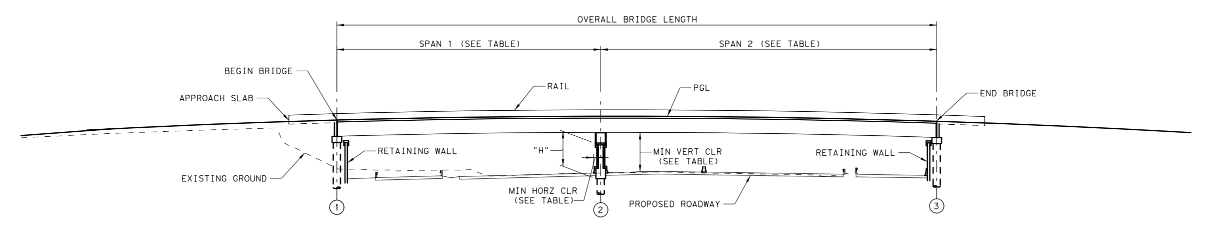


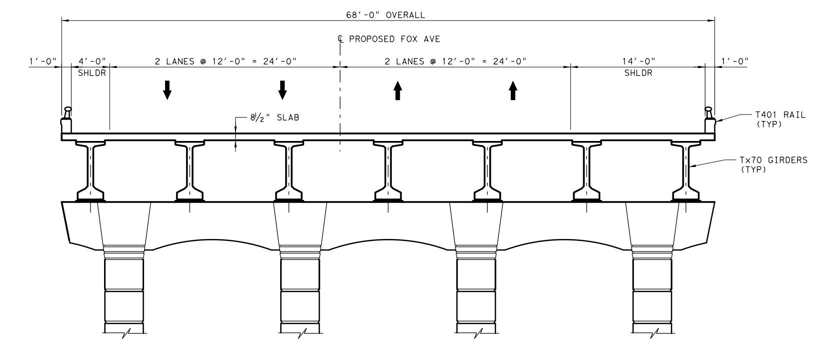
TYPICAL PLAN

(FOX AVE UNDERPASS SHOWN - OTHERS SIMILAR)



TYPICAL ELEVATION

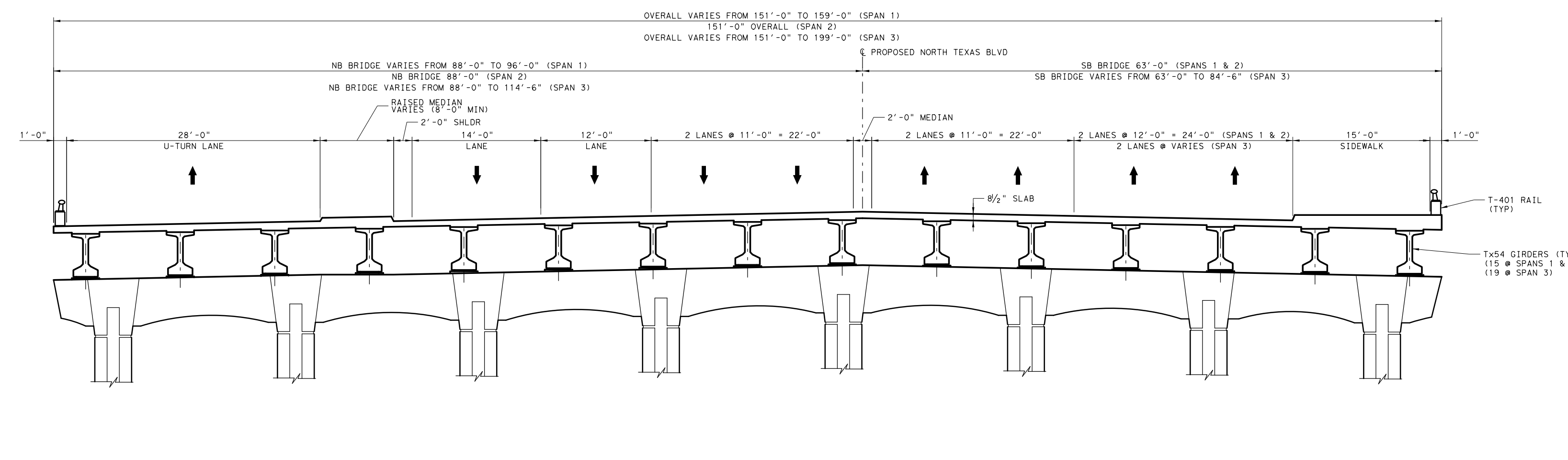
(FOX AVE UNDERPASS SHOWN - OTHERS SIMILAR)



PROPOSED TYPICAL SECTION - FOX AVE. UNDERPASS

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
79	Fox Ave Underpass	1		105+36.08		0.0 deg	68.00′	2.00′	Concrete Barrier				Abutment	Drilled Shafts	None
			1		110.00′					16.25′	16.50′	Prstrs Beam			
		2		106+46.08		0.0 deg	68.00′	2.00′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline URBAN
			2		140.00′					16.25′	16.50′	Prstrs Beam			
		3		107+86.08		0.0 deg	68.00′	2.00′	Concrete Barrier				Abutment	Drilled Shafts	None

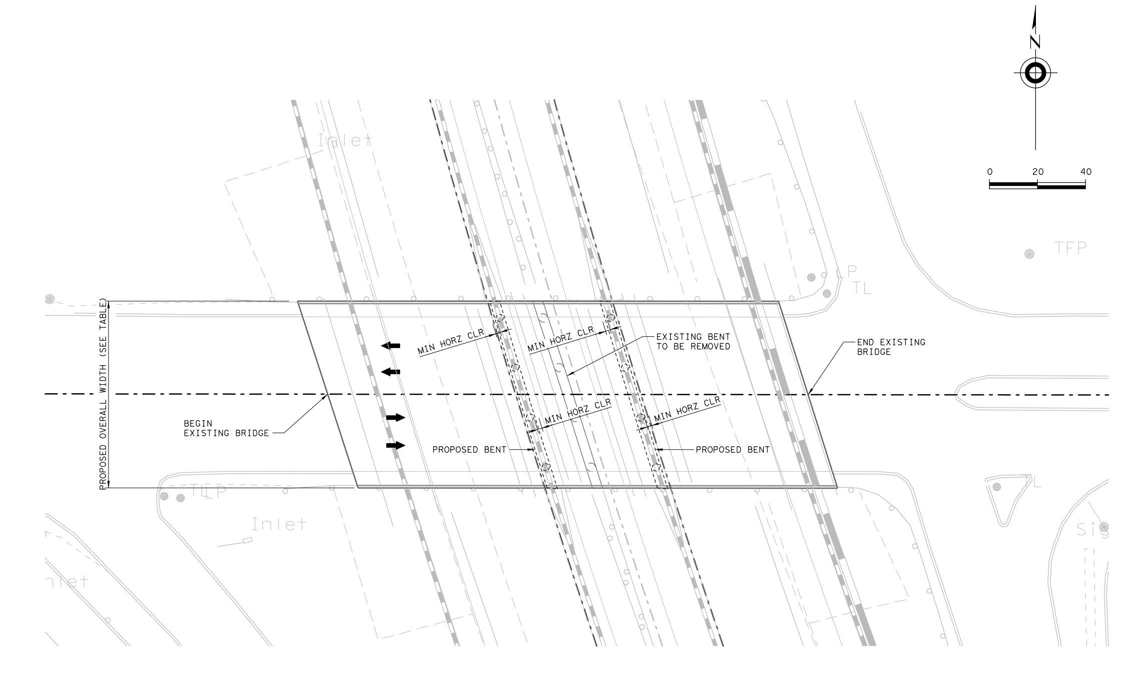
* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.



PROPOSED TYPICAL SECTION - N. TEXAS BLVD. UNDERPASS

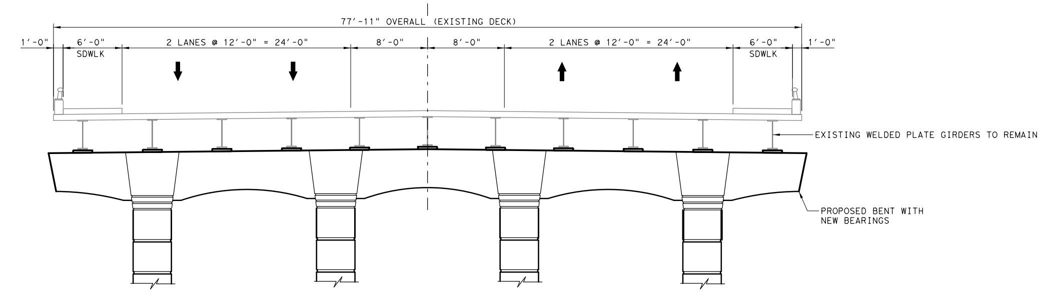
Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
125	N Texas Blvd (Ave D) Underpass	1		18+73.33		1.37 deg	159.00′	N.A.	--				Abutment	Drilled Shafts	None
			1		38.25′					--	--	Prstrs Beam			
		2		19+11.58		1.37 deg	151.00′	2.00′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline / Accent
			2		112.00′					--	16.50′	Prstrs Beam			
		3		20+23.58		1.37 deg	151.00′	2.00′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline / Accent
			3		38.25′					--	--	Prstrs Beam			
		4		20+61.83		1.37 deg	199.00′	N.A.	--				Abutment	Drilled Shafts	None

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.



PLAN

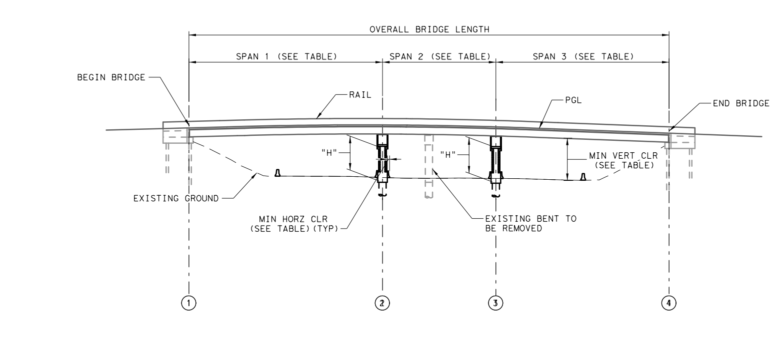
(MAIN STREET (FM1171) UNDERPASS)



PROPOSED TYPICAL SECTION - FM 1171 UNDERPASS

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
80 Existing	Main ST (FM 1171) Underpass	1				17.8 deg	77.92′	--	--				--	--	None
			1		100.04′					16.25′	--	Steel Girder			
		2				17.8 deg	77.92′	--	--				--	--	Enhanced URBAN
			2		100.04′					16.25′	--	Steel Girder			
		3				17.8 deg	77.92′	--	--				--	--	None
80	Main ST (FM 1171) Underpass	1				17.8 deg	77.92′	2.00′	Concrete Barrier				Abutment	--	None
			1		80.69′					16.25′	16.25′	--			
		2		+80.69		17.8 deg	77.92′	2.00′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Enhanced URBAN
			2		47.25′					16.25′	16.25′	--			
		3		1+27.94		17.8 deg	77.92′	2.00′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Enhanced URBAN
			3		72.17′					16.25′	16.25′	--			
		4		2+00.11		17.8 deg	77.92′	2.00′	Concrete Barrier				Abutment	--	None

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.



ELEVATION

(MAIN STREET (FM1171) UNDERPASS)

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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

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May 8, 2013
DATE

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INTERSTATE TEXAS 35E — IH 35E MANAGED LANES

AGL CONSTRUCTORS — ARCHER WESTERN | GRANITE | LANE

PARSONS HDR

IH 35E WORK PACKAGE 4
BRIDGE CONCEPT PLANS
BRIDGE ROLL 7 OF 12

Texas Department of Transportation

IH 35E MANAGED LANES

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May 2012

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SUBJECT TO REVISIONS

ESTIMATE PREPARED BY:

NAME: CLIENT
TITLE: TX SUMMER

PROJECT MANAGER:
NAME: DATE:
TITLE: TX SUMMER

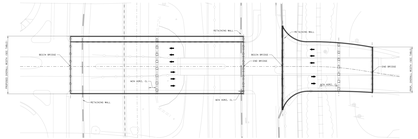
PROJ. NO.:
PROJECT ID: 35E

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

PARSONS
TYLIN

35E
NORTHWEST CORRIDOR
DALLAS COUNTY, TEXAS

IH 35E WORK PACKAGE 4
BRIDGE CONCEPT PLANS
BRIDGE ROLL 8 OF 12

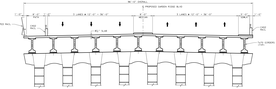


TYPICAL PLAN

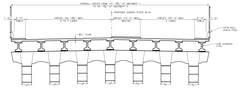
GARDEN RIDGE BLVD.(NORTHBOUND AND GARDEN RIDGE BLVD. DCTA OVERPASS)

TYPICAL ELEVATION

GARDEN RIDGE BLVD.(NORTHBOUND AND GARDEN RIDGE BLVD. DCTA OVERPASS)



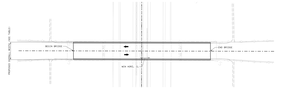
PROPOSED TYPICAL SECTION - GARDEN RIDGE BLVD. UNDERPASS



PROPOSED TYPICAL SECTION - GARDEN RIDGE BLVD. DCTA OVERPASS

Bridge Number	Bridge Description	Roadway Type	Span No.	Station	Span Length	Skew	Proposed Clear Road. Width (F to F)	Minimum Vertical Clearance	Protection	Existing Vertical Clearance	Calculated Proposed Vertical Clearance	Proposed Bridge Type			
				Dimensions				Clearances				Proposed Bridge Type			
0912-00-000	Garden Ridge Blvd (NBIS Structure)	1	1		31.5' (Min)	90.00°	31.5'	16.5'	None			Steel Beam	Steel Girder	Concrete Deck	None
		2	1	1+00.00		90.00°								Composite Deck	
		3	2	1+00.00	100.00'	90.00°	31.5' (Min)	None			16.5'	Steel Beam	Steel Girder	Concrete Deck	None
		4	2	2+00.00		90.00°								Composite Deck	
		5	3	3+00.00	100.00'	90.00°	31.5' (Min)	16.5'	None		16.5'	Steel Beam	Steel Girder	Concrete Deck	None
		6	3											Composite Deck	
0912-00-000	DCTA Overpass	1	1		31.5' (Min)	90.00°	31.5'	16.5'	None			Steel Beam	Steel Girder	Concrete Deck	None
		2	1	1+00.00										Composite Deck	
		3	2	1+00.00	100.00'	90.00°	31.5' (Min)	16.5'	None		16.5'	Steel Beam	Steel Girder	Concrete Deck	None
		4	2	2+00.00										Composite Deck	

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.

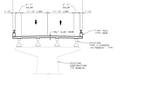


TYPICAL PLAN

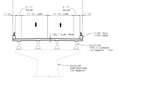
CORINTH PKWY.(NORTHBOUND SHOWN) - POST OAK RD.(SHOWN)

TYPICAL ELEVATION

CORINTH PKWY.(NORTHBOUND SHOWN) - POST OAK RD.(SHOWN)



PROPOSED TYPICAL SECTION - CORINTH PKWY.UNDERPASS



PROPOSED TYPICAL SECTION - POST OAK ROAD UNDERPASS

Bridge Number	Bridge Description	Roadway Type	Span No.	Station	Span Length	Skew	Proposed Clear Road. Width (F to F)	Minimum Vertical Clearance	Protection	Existing Vertical Clearance	Calculated Proposed Vertical Clearance	Proposed Bridge Type			
				Dimensions				Clearances				Proposed Bridge Type			
0912-00-000	Corinth Pkwy.Underpass	1	1		31.5' (Min)	90.00°	31.5'	16.5'	None			Steel Beam	Steel Girder	Concrete Deck	None
		2	1	1+00.00										Composite Deck	
		3	2	1+00.00	100.00'	90.00°	31.5' (Min)	16.5'	None		16.5'	Steel Beam	Steel Girder	Concrete Deck	None
		4	2	2+00.00										Composite Deck	
		5	3	3+00.00	100.00'	90.00°	31.5' (Min)	16.5'	None		16.5'	Steel Beam	Steel Girder	Concrete Deck	None
		6	3											Composite Deck	
		7	4	4+00.00		90.00°	31.5' (Min)	16.5'	None			Steel Beam	Steel Girder	Concrete Deck	None
		8	4											Composite Deck	

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.

Bridge Number	Bridge Description	Roadway Type	Span No.	Station	Span Length	Skew	Proposed Clear Road. Width (F to F)	Minimum Vertical Clearance	Protection	Existing Vertical Clearance	Calculated Proposed Vertical Clearance	Proposed Bridge Type			
				Dimensions				Clearances				Proposed Bridge Type			
0912-00-000	Post Oak Rd.Underpass	1	1		31.5' (Min)	90.00°	31.5'	16.5'	None			Steel Beam	Steel Girder	Concrete Deck	None
		2	1	1+00.00										Composite Deck	
		3	2	1+00.00	100.00'	90.00°	31.5' (Min)	16.5'	None		16.5'	Steel Beam	Steel Girder	Concrete Deck	None
		4	2	2+00.00										Composite Deck	
		5	3											Concrete Deck	
		6	3	3+00.00	100.00'	90.00°	31.5' (Min)	16.5'	None		16.5'	Steel Beam	Steel Girder	Composite Deck	None
		7	4	4+00.00		90.00°	31.5' (Min)	16.5'	None			Steel Beam	Steel Girder	Concrete Deck	None
		8	4											Composite Deck	

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.

IH-35E MANAGED LANES
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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

THOMAS GANDOLFI — 113668
NAME — P.E. NUMBER

PHILLIP HANLEY — 91815
NAME — P.E. NUMBER

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

SHEET NO. 32 OF 35

IH 35E WORK PACKAGE 4
BRIDGE CONCEPT PLANS
BRIDGE ROLL 9 OF 12

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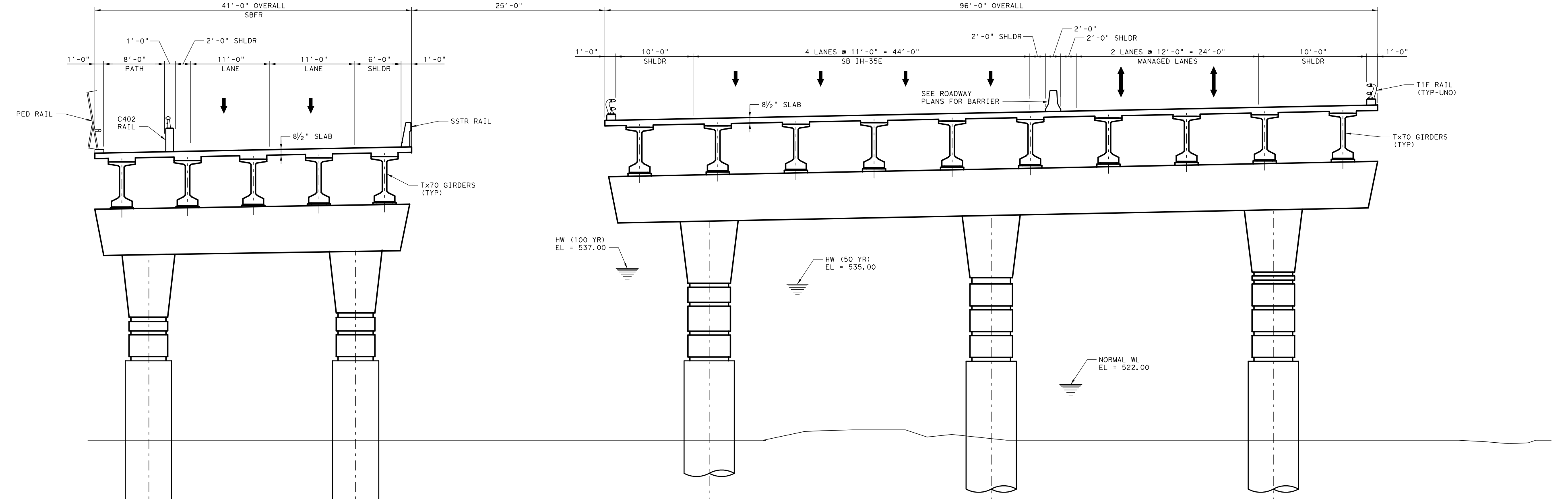
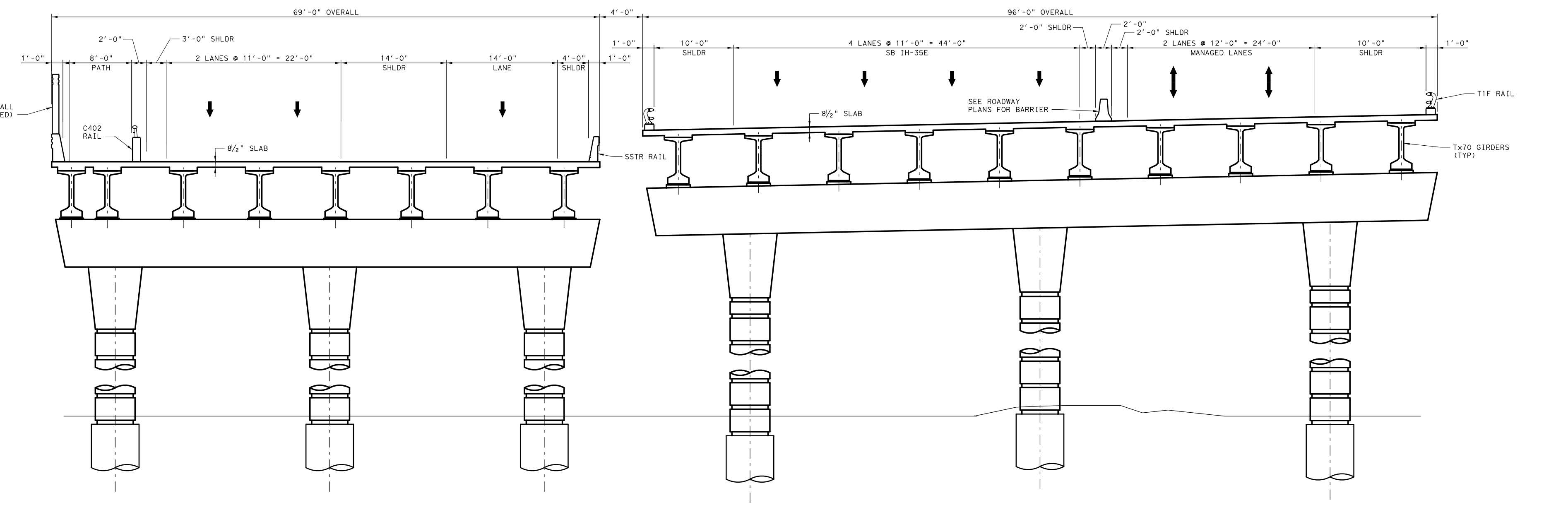
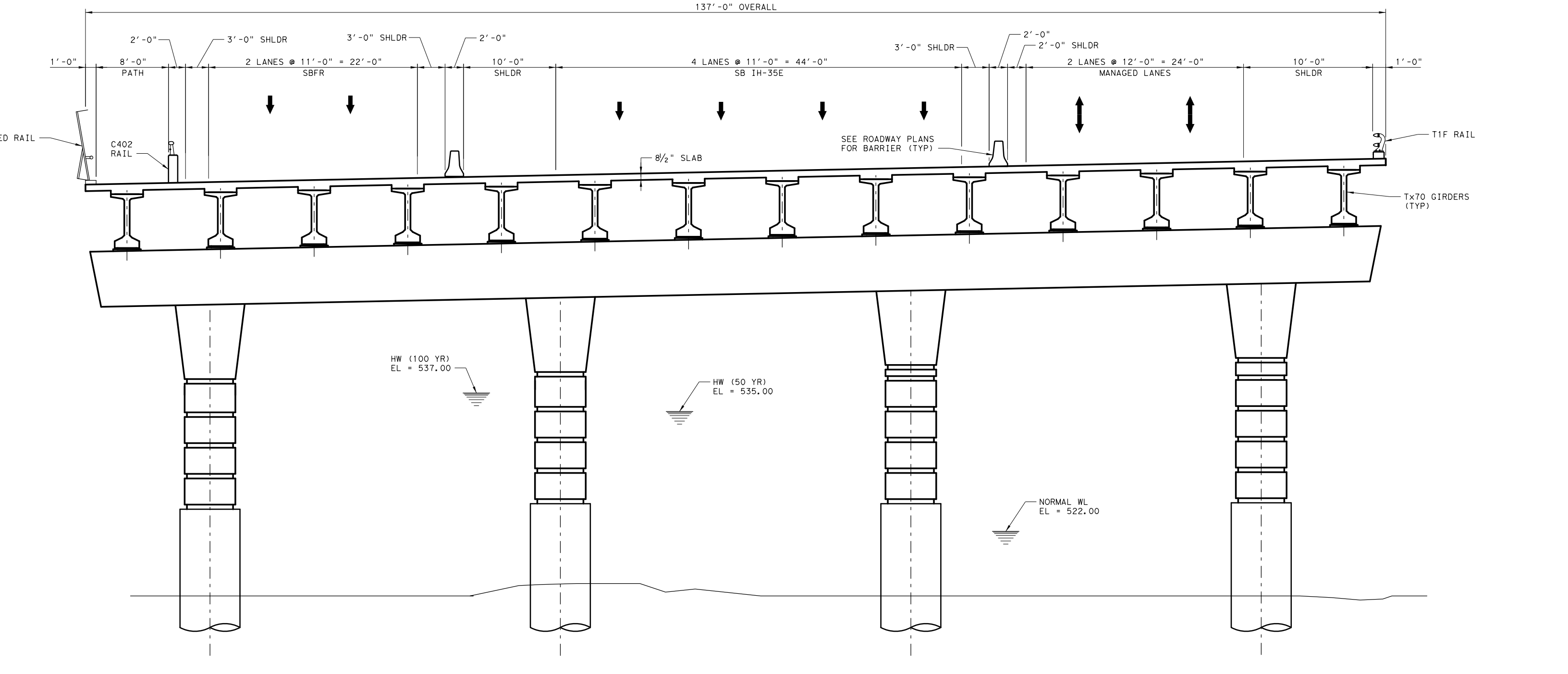


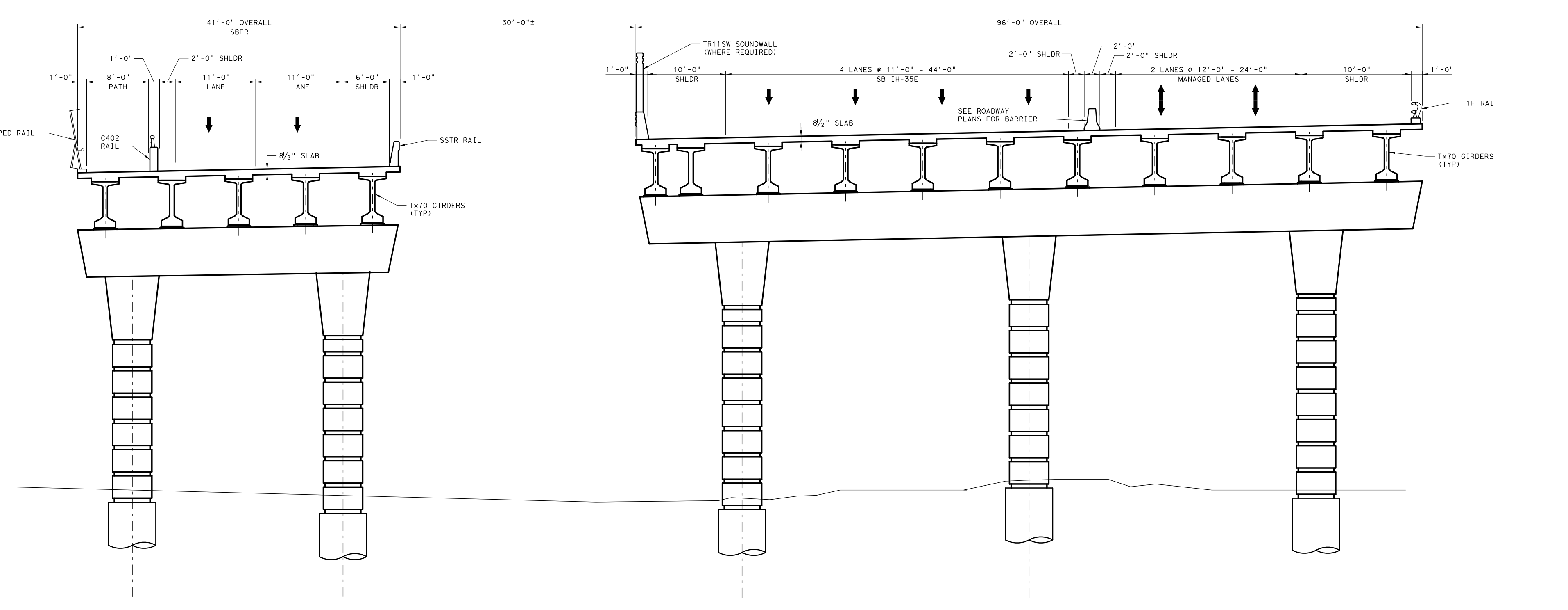
COPPERAS BRANCH INLET



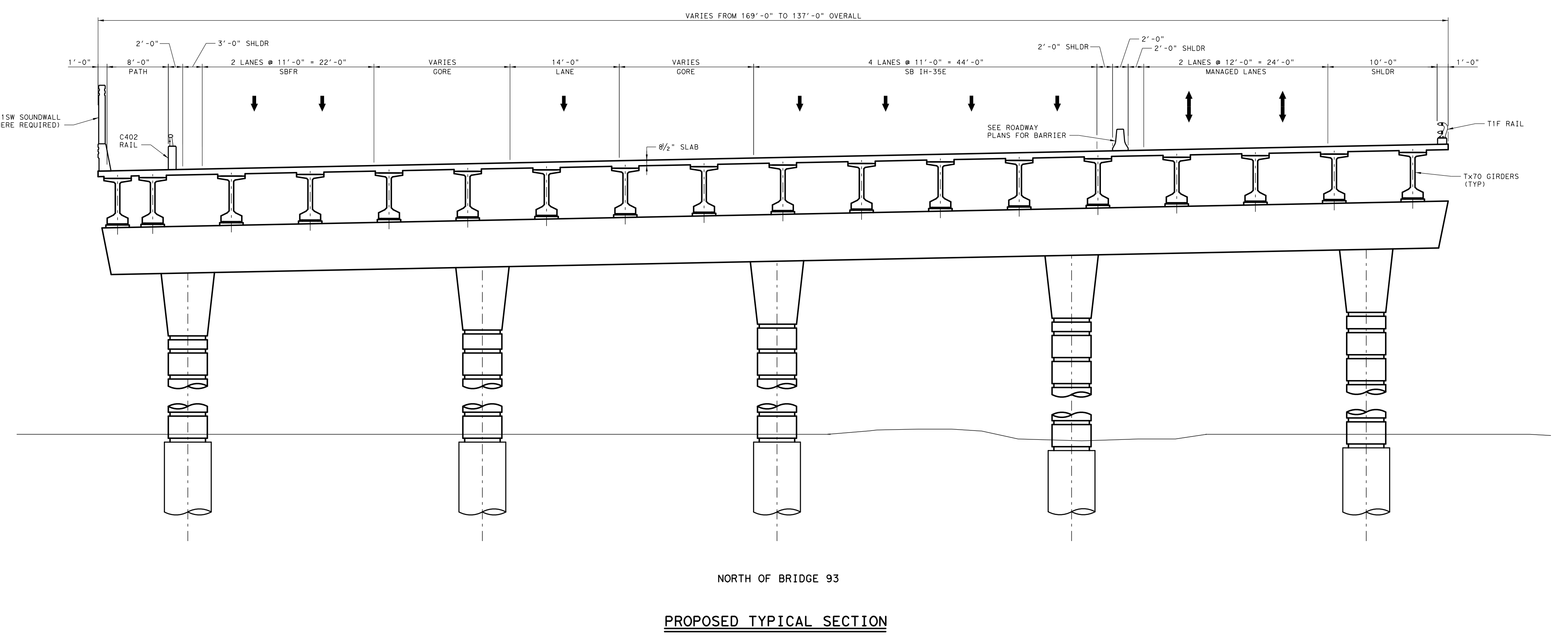
NORTH OF COPPERAS BRANCH INLET
SHOWING SOUND WALL



IH LAKE LEWISVILLE



NORTH OF COPPERAS BRANCH INLET



NORTH OF BRIDGE 93

PROPOSED TYPICAL SECTION

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
92	SB/FR Lake Lewisville Overpass	1		1370+53.95		0.0 deg	41.00'	N.A.	--				Abutment	Drilled Shafts	None
			1		140.00'					--	--	Prstrs Beam			
		2		1371+93.95		0.0 deg	41.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			2		140.00'					--	--	Prstrs Beam			
		3		1373+33.95		0.0 deg	41.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			3		140.00'					--	--	Prstrs Beam			
		4		1374+73.95		0.0 deg	41.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			4		140.00'					--	--	Prstrs Beam			
		5		1376+13.95		0.0 deg	41.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			5		140.00'					--	--	Prstrs Beam			
		6		1377+53.95		0.0 deg	41.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			6		140.00'					--	--	Prstrs Beam			
		7		1378+93.95		0.0 deg	41.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			7		140.00'					--	--	Prstrs Beam			
		8		1380+33.95		0.0 deg	41.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			8		140.00'					--	--	Prstrs Beam			
		9		1381+73.95		0.0 deg	41.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			9		140.00'					--	--	Prstrs Beam			
		10		1383+13.95		0.0 deg	41.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			10		140.00'					--	--	Prstrs Beam			
		11		1384+53.95		0.0 deg	41.00'	N.A.	--				Abutment	Drilled Shafts	None

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
93	SB/FR Lake Lewisville Overpass	1		1393+62.76		0.0 deg	52.00'	N.A.	--				Abutment	Drilled Shafts	None
			1		140.00'					--	--	Prstrs Beam			
		2		1395+02.76		0.0 deg	52.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			2		140.00'					--	--	Prstrs Beam			
		3		1396+42.76		0.0 deg	52.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			3		140.00'					--	--	Prstrs Beam			
		4		1397+82.76		0.0 deg	53.04'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			4		140.00'					--	--	Prstrs Beam			
		5		1399+22.76		0.0 deg	58.58'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			5		140.00'					--	--	Prstrs Beam			
		6		1400+62.76		0.0 deg	67.11'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			6		140.00'					--	--	Prstrs Beam			
		7		1402+02.76		0.0 deg	68.92'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			7		140.00'					--	--	Prstrs Beam			
		8		1403+42.76		0.0 deg	69.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			8		140.00'					--	--	Prstrs Beam			
		9		1404+82.76		0.0 deg	69.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			9		131.41'					--	--	Prstrs Beam			
		25		1406+14.17				REFER TO BRIDGE 91 FOR INFORMATION AT THIS BENT						Drilled Shafts	

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.

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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

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NAME — P.E. NUMBER

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
91	SB/ML Lake Lewisville Overpass, New bridge (ATC)	1		1373+74.17		0.0 deg	96.00'	N.A.	--				Abutment	Drilled Shafts	None
			1		135.00'					--	--	Prstrs Beam			
		2		1375+09.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			2		135.00'					--	--	Prstrs Beam			
		3		1376+44.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			3		135.00'					--	--	Prstrs Beam			
		4		1377+79.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			4		135.00'					--	--	Prstrs Beam			
		5		1379+14.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			5		135.00'					--	--	Prstrs Beam			
		6		1380+49.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			6		135.00'					--	--	Prstrs Beam			
		7		1381+84.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			7		135.00'					--	--	Prstrs Beam			
		8		1383+19.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			8		135.00'					--	--	Prstrs Beam			
		9		1384+54.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			9		135.00'					--	20.28'	Prstrs Beam			
		10		1385+89.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			10		135.00'					--	22.17'	Prstrs Beam			
		11		1387+24.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			11		135.00'					--	--	Prstrs Beam			
		12		1388+59.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			12		135.00'					--	--	Prstrs Beam			
		13		1389+94.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			13		135.00'					--	--	Prstrs Beam			
		14		1391+29.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			14		135.00'					--	--	Prstrs Beam			
		15		1392+64.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			15		135.00'					--	--	Prstrs Beam			
		16		1393+99.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			16		135.00'					--	--	Prstrs Beam			
		17		1395+34.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			17		135.00'					--	--	Prstrs Beam			
		18		1396+69.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			18		135.00'					--	--	Prstrs Beam			
		19		1398+04.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			19		135.00'					--	--	Prstrs Beam			
		20		1399+39.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			20		135.00'					--	--	Prstrs Beam			
		21		1400+74.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			21		135.00'					--	--	Prstrs Beam			
		22		1402+09.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			22		135.00'					--	--	Prstrs Beam			
		23		1403+44.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			23		135.00'					--	--	Prstrs Beam			
		24		1404+79.17		0.0 deg	96.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			24		135.00'					--	--	Prstrs Beam			
		25		1406+14.17		0.0 deg	169.21'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			25		135.00'					--	20.59'	Prstrs Beam			
		26		1407+49.17		0.0 deg	168.85'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			26		135.00'					--	--	Prstrs Beam			
		27		1408+84.17		0.0 deg	166.38'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			27		135.00'					--	--	Prstrs Beam			
		28		1410+19.17		0.0 deg	161.32'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			28		135.00'					--	--	Prstrs Beam			
		29		1411+54.17		0.0 deg	153.73'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			29		135.00'					--	--	Prstrs Beam			
		30		1412+89.17		0.0 deg	146.07'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			30		135.00'					--	--	Prstrs Beam			

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
91	SB/ML Lake Lewisville Overpass, New bridge (Cont'd) (ATC)	31		1414+24.17		0.0 deg	140.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			31		135.00'					--	--	Prstrs Beam			
		32		1415+59.17		0.0 deg	137.21'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			32		135.00'					--	--	Prstrs Beam			
		33		1416+94.17		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			33		135.00'					--	--	Prstrs Beam			
		34		1418+29.17		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			34		135.00'					--	--	Prstrs Beam			
		35		1419+64.17		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			35		135.00'					--	--	Prstrs Beam			
		36		1420+99.17		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			36		135.00'					--	--	Prstrs Beam			
		37		1422+34.17		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			37		139.11'					--	--	Prstrs Beam			
		38		1423+73.28		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			38		140.00'					--	--	Prstrs Beam			
		39		1425+13.28		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			39		140.00'					--	--	Prstrs Beam			
		40		1426+53.28		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			40		140.00'					--	--	Prstrs Beam			
		41		1427+93.28		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			41		140.00'					--	--	Prstrs Beam			
		42		1429+33.28		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			42		140.00'					--	--	Prstrs Beam			
		43		1430+73.28		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			43		140.00'					--	--	Prstrs Beam			
		44		1432+13.28		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			44		140.00'					--	--	Prstrs Beam			
		45		1433+53.28		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			45		140.00'					--	--	Prstrs Beam			
		46		1434+93.28		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			46		140.00'					--	--	Prstrs Beam			
		47		1436+33.28		0.0 deg	137.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			47		140.00'					--	--	Prstrs Beam			
		48		1437+73.28		0.0 deg	137.37'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			48		140.00'					--	--	Prstrs Beam			
		49		1439+13.28		0.0 deg	140.77'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			49		140.00'					--	--	Prstrs Beam			
		50		1440+53.28		0.0 deg	147.54'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			50		140.00'					--	--	Prstrs Beam			
		51		1441+93.28		0.0 deg	154.54'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			51		140.00'					--	--	Prstrs Beam			
		52		1443+33.28		0.0 deg	160.74'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			52		140.00'					--	--	Prstrs Beam			
		53		1444+73.28		0.0 deg	163.65'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			53		140.00'					--	--	Prstrs Beam			
		54		1446+13.28		0.0 deg	165.65'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			54		140.00'					--	--	Prstrs Beam			
		55		1447+53.28		0.0 deg	167.66'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			55		140.00'					--	--	Prstrs Beam			
		56		1448+93.28		0.0 deg	169.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			56		140.00'					--	--	Prstrs Beam			
		57		1450+33.28		0.0 deg	169.04'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			57		140.00'					--	--	Prstrs Beam			
		58		1451+73.28		0.0 deg	169.02'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			58		140.00'					--	--	Prstrs Beam			
		59		1453+13.28		0.0 deg	169.00'	N.A.	--				Multi-Col Bent	Drilled Shafts	LAKE BRIDGE
			59		140.00'					--	--	Prstrs Beam			
		60		1454+53.28		0.0 deg	169.17'	N.A.	--				Abutment	Drilled Shafts	None

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SHEET NO. 33 OF 35

IH 35E WORK PACKAGE 4
BRIDGE CONCEPT PLANS
BRIDGE ROLL 10 OF 12

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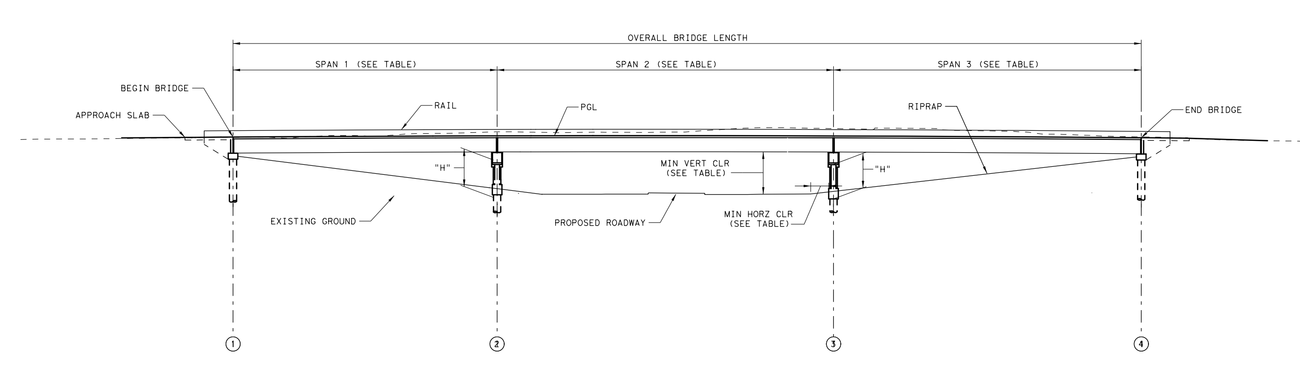
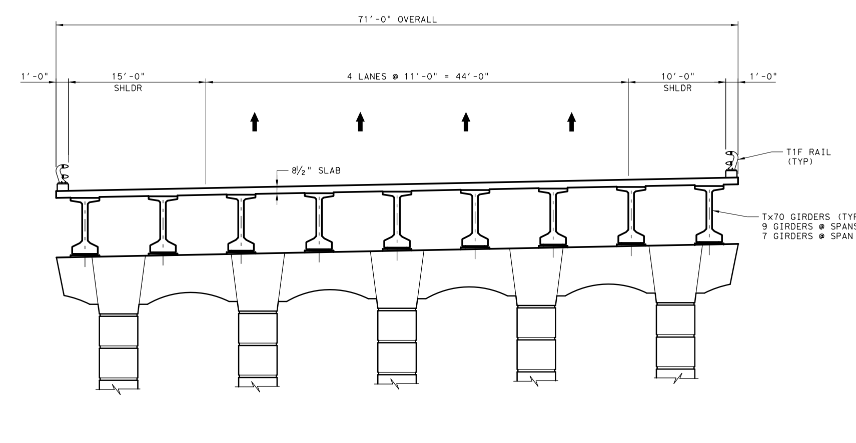
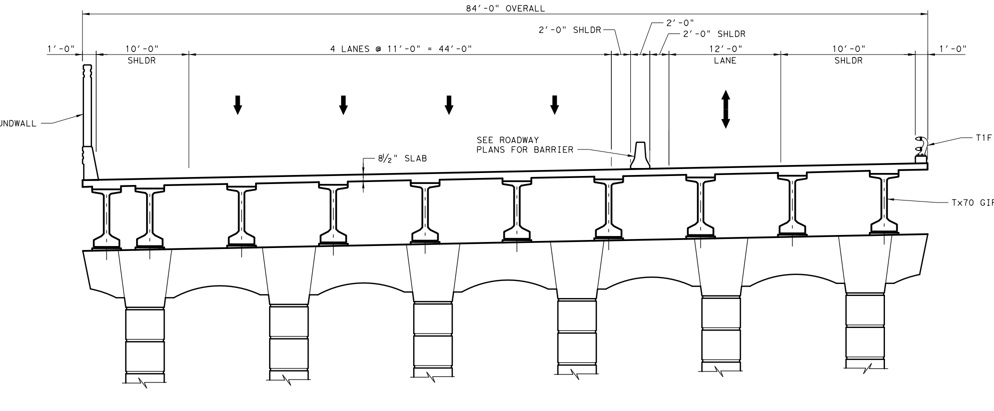
TYPICAL PLAN



TYPICAL ELEVATION



PROPOSED TYPICAL SECTION - NB COUNTRY LANE OVERPASS



PROPOSED TYPICAL SECTION - SB COUNTRY LANE OVERPASS

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
96	NB Country Lane Overpass	1		1467+97.89		18.0 deg	71.00′	N.A.	--				Abutment	Drilled Shafts	None
			1		150.00′					--	--	Prstrs Beam			
		2		1469+47.89		18.0 deg	71.00′	3.57′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline / Accent LAKE
			2		150.00′					--	16.65′	Prstrs Beam			
		3		1470+97.89		18.0 deg	71.00′	2.00′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline / Accent LAKE
			3		78.00′					--	--	Prstrs Beam			
		4		1471+75.89		18.0 deg	71.00′	N.A.	--				Abutment	Drilled Shafts	None

* BASED ON PRELIMINARY STRUCTURAL DEPTHS AND PROFILES, SUBJECT TO CHANGE.

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
97	SB Country Lane Overpass	1		1466+88.67		18.0 deg	84.00′	N.A.	--				Abutment	Drilled Shafts	None
			1		109.00′					--	--	Prstrs Beam			
		2		1467+97.67		18.0 deg	84.00′	3.79′	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline / Accent LAKE
			2		140.00′					--	16.50′	Prstrs Beam			
		3		1469+37.67		18.0 deg	84.00′	7.74′	None				Multi-Col Bent	Drilled Shafts	Baseline / Accent LAKE
			3		130.00′					--	--	Prstrs Beam			
		4		1470+67.67		18.0 deg	84.00′	N.A.	--				Abutment	Drilled Shafts	None

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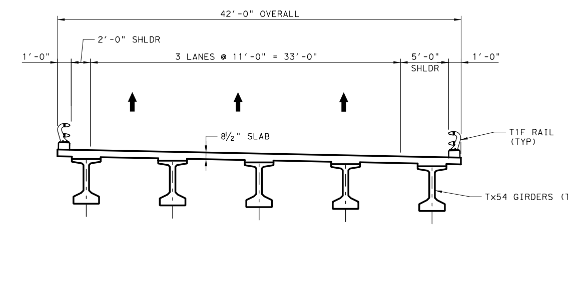
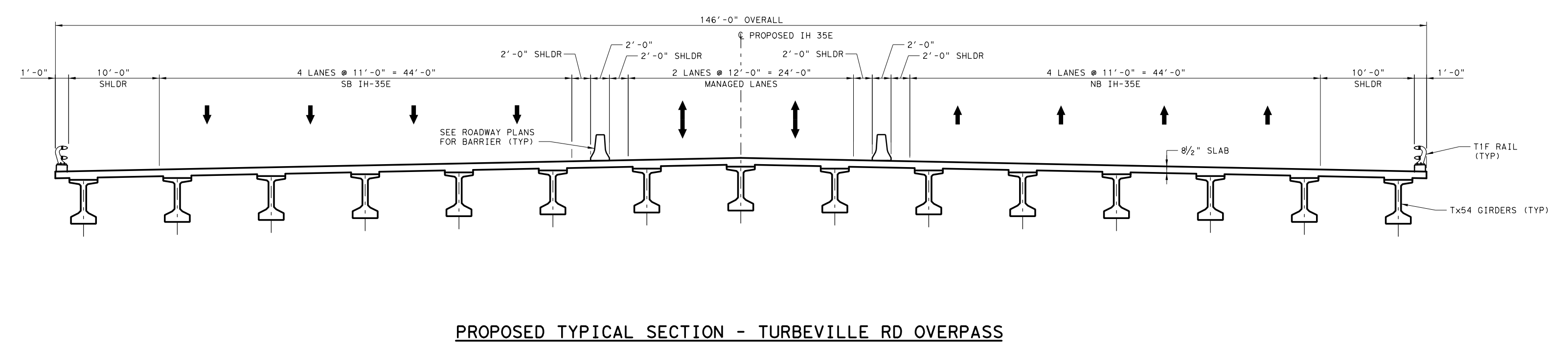


PROPOSED TYPICAL SECTION - NB FR TURBEVILLE RD OVERPASS



PROPOSED TYPICAL SECTION - TURBEVILLE RD OVERPASS

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
97.1	NB FR Turbeville Rd Overpass	1				26.0 deg	42.00′	2.00′	Concrete Barrier				Abutment	Drilled Shafts	None
			1		112.00′					--	16.50′	Prstrs Beam			
		2		1+12.00		26.0 deg	42.00′	2.00′	Concrete Barrier				Abutment	Drilled Shafts	None

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Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
97.2	Turbeville Rd Overpass	1				30.0 deg	146.00′	2.00′	Concrete Barrier				Abutment	Drilled Shafts	None
			1		115.00′					--	19.29′	Prstrs Beam			
		2		1+15.00		30.0 deg	146.00′	2.00′	Concrete Barrier				Abutment	Drilled Shafts	None

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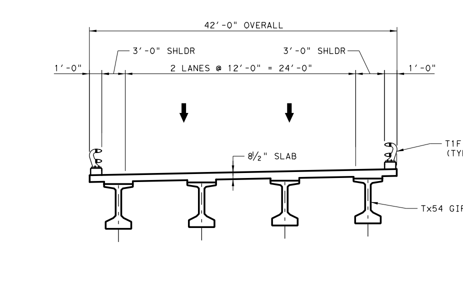
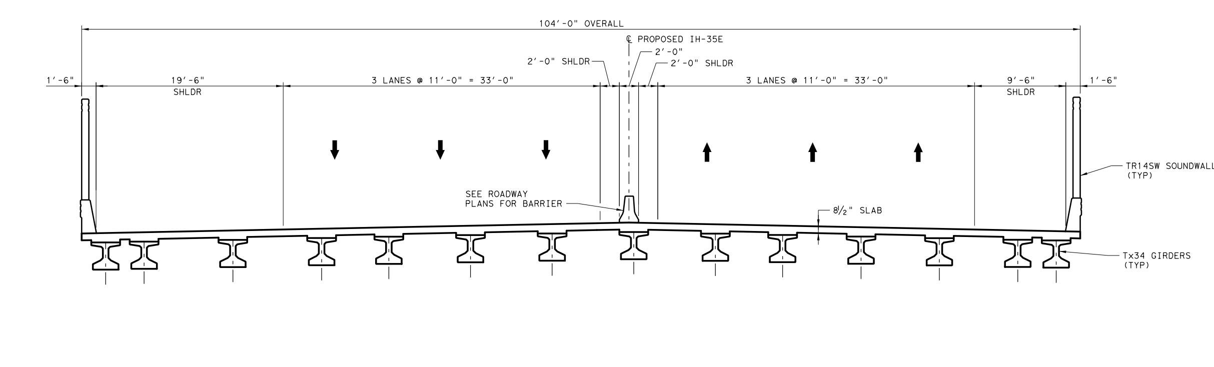


PROPOSED TYPICAL SECTION - SB FR TURBEVILLE RD OVERPASS



PROPOSED TYPICAL SECTION - McCORMICK ST OVERPASS

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
97.5	SB FR Turbeville Rd Overpass	1				30.0 deg	32.00′	2.00′	Concrete Barrier				Abutment	Drilled Shafts	None
			1		115.00′					--	16.50′	Prstrs Beam			
		2		1+15.00		30.0 deg	32.00′	2.00′	Concrete Barrier				Abutment	Drilled Shafts	None

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Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
123	McCormick St Overpass	1		1970+34.83		40.0 deg	104.00′	N.A.	--				Abutment	Drilled Shafts	None
			1		74.00′					16.25′	17.44′	Prstrs Beam			
		2		1971+08.83		40.0 deg	104.00′	N.A.	--				Abutment	Drilled Shafts	None

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May 2013

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:

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PHILLIP HANLEY	91815

May 8, 2013
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

SHEET NO. 34 OF 35

INTERSTATE TEXAS 35E — IH 35E MANAGED LANES

AGL CONSTRUCTORS — ARCHER WESTERN | GRANITE | LANE

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IH 35E WORK PACKAGE 4
BRIDGE CONCEPT PLANS
BRIDGE ROLL 11 OF 12

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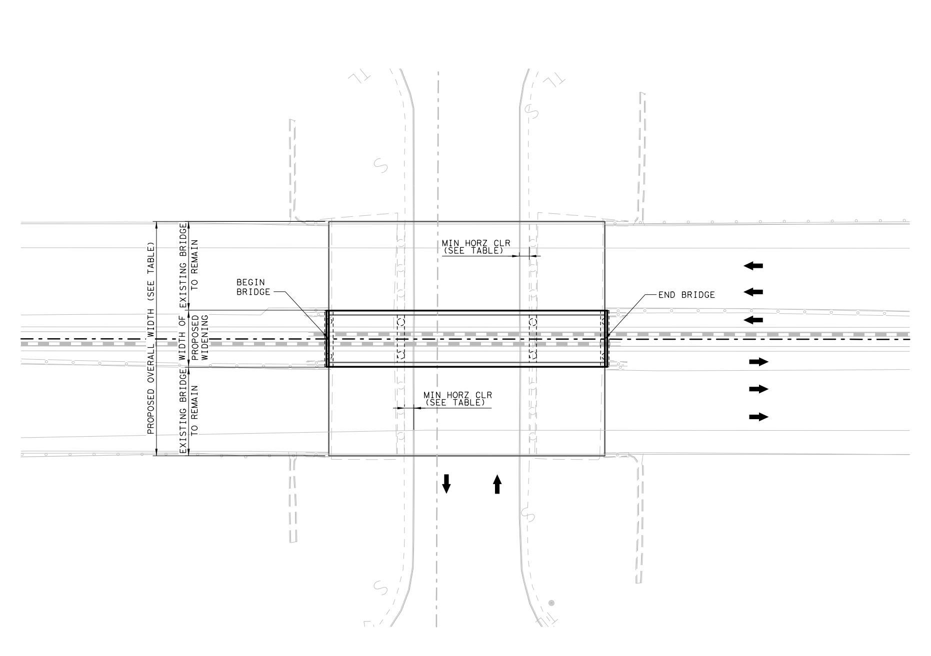
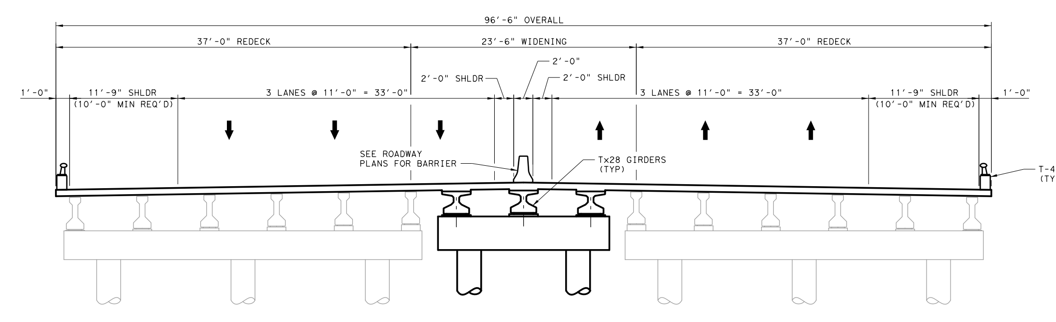


TYPICAL PLAN



PROPOSED TYPICAL SECTION - MAYHILL RD OVERPASS WIDENING

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
109	Mayhill Rd Overpass	1		1761+24.00		0.0 deg	97.50'	N.A.	--				Abutment	Drilled Shafts	None
			1		30.00'					--	--	Prstrs Beam			
		2		1761+54.00		0.0 deg	97.50'	4.00'	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline GATEWAY
			2		55.00'					14.75'	14.50'	Prstrs Beam			
		3		1762+09.00		0.0 deg	97.50'	4.00'	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline GATEWAY
			3		30.00'					--	--	Prstrs Beam			
		4		1762+39.00		0.0 deg	97.50'	N.A.	--				Abutment	Drilled Shafts	None

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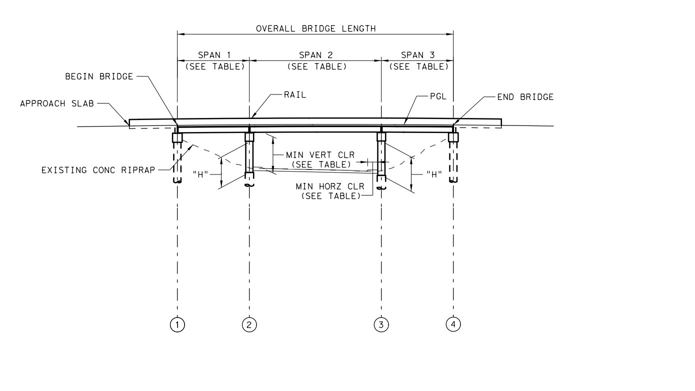
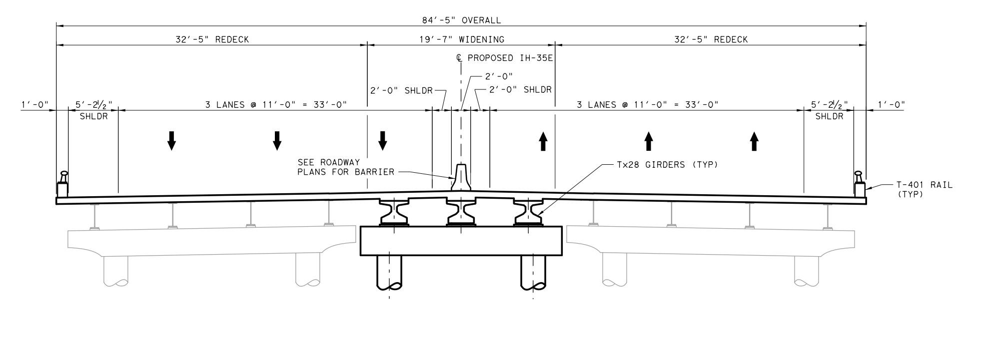


TYPICAL ELEVATION



PROPOSED TYPICAL SECTION - BONNIE BRAE RD OVERPASS WIDENING

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
128	Bonnie Brae (FM 1515) Overpass	1		2020+00.00		30.0 deg	84.42'	N.A.	--				Abutment	Drilled Shafts	None
			1		45.00'					--	--	Prstrs Beam			
		2		2020+45.00		30.0 deg	84.42'	7.07'	None				Multi-Col Bent	Drilled Shafts	Minor
			2		60.00'					15.42'	15.42'	Prstrs Beam			
		3		2021+05.00		30.0 deg	84.42'	3.40'	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Minor
			3		45.00'					--	--	Prstrs Beam			
		4		2021+50.00		30.0 deg	84.42'	N.A.	--				Abutment	Drilled Shafts	None

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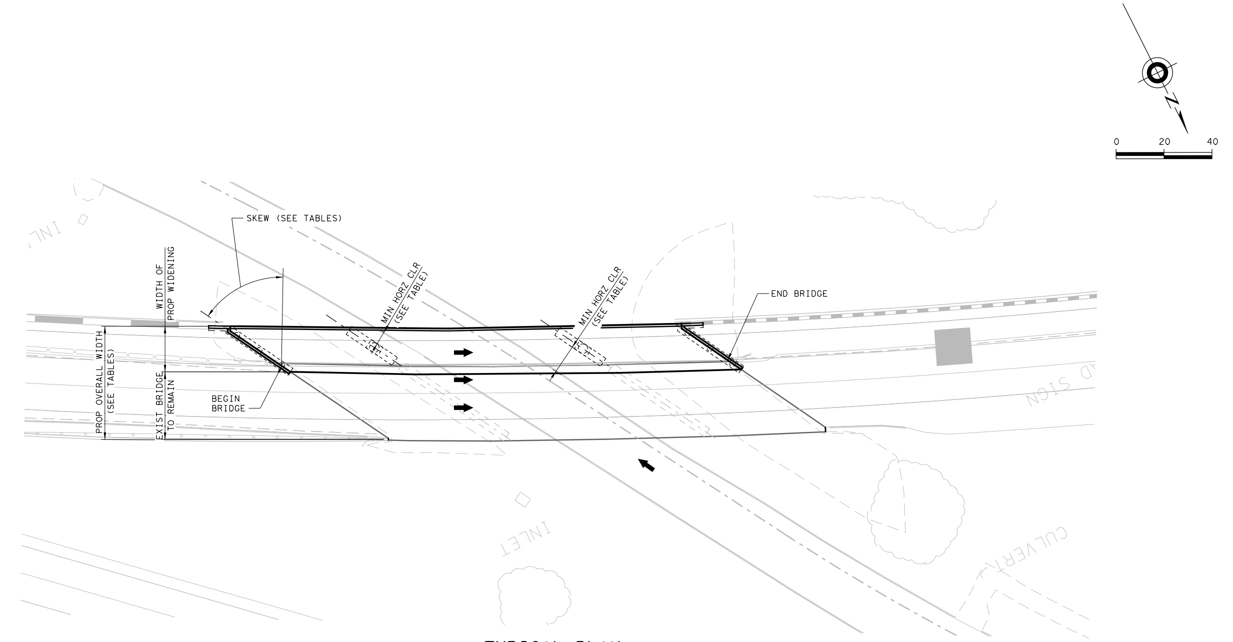
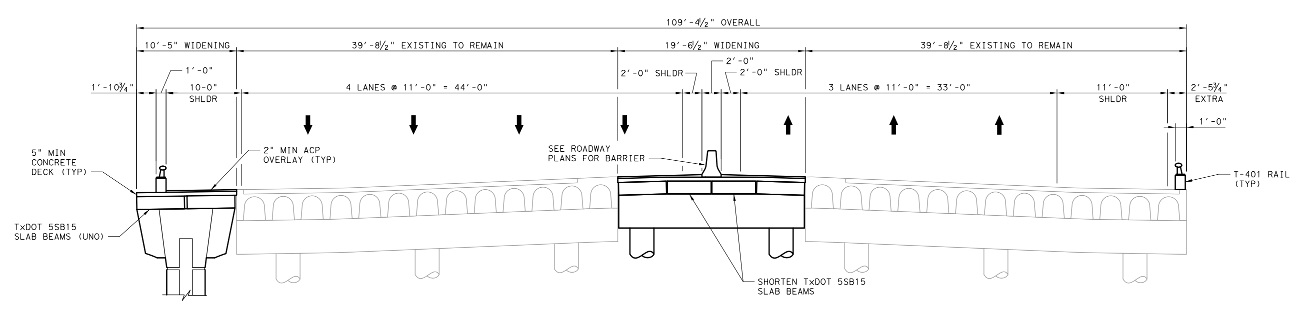


TYPICAL PLAN



PROPOSED TYPICAL SECTION - LOOP 288 OVERPASS WIDENING

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
112	Loop 288 Overpass	1		1834+16.78		0.0 deg	109.38'	N.A.	--				Abutment	Drilled Shafts	None
			1		30.83'					--	--	Slab Beam			
		2		1834+47.61		0.0 deg	109.38'	8.20'	None				Multi-Col Bent	Drilled Shafts	Baseline / Accent
			2		40.50'					15.08'	15.08'	Slab Beam			
		3		1834+88.11		0.0 deg	109.38'	3.87'	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline / Accent
			3		40.50'					15.08'	15.08'	Slab Beam			
		4		1835+28.61		0.0 deg	109.38'	2.00'	Concrete Barrier				Multi-Col Bent	Drilled Shafts	Baseline / Accent
			4		30.83'					15.08'	15.08'	Slab Beam			
		5		1835+59.44		0.0 deg	109.38'	2.00'	Concrete Barrier				Abutment	Drilled Shafts	None

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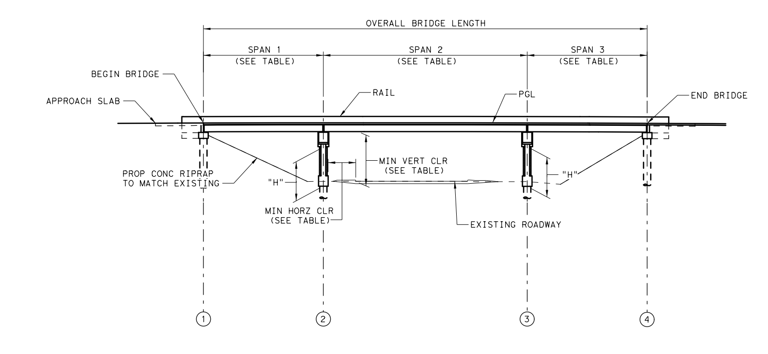
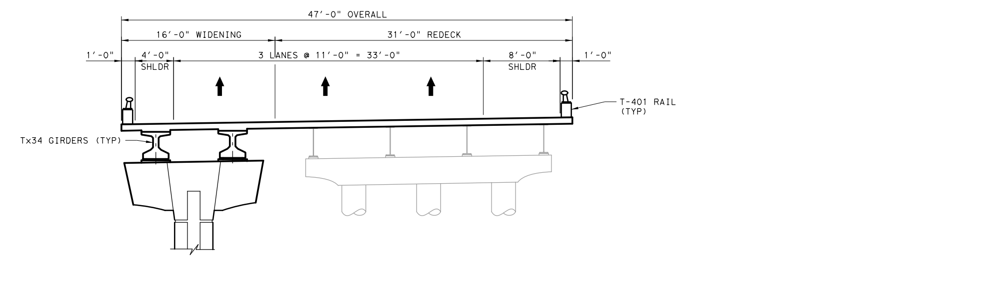


TYPICAL ELEVATION



PROPOSED TYPICAL SECTION - US 77 OVERPASS WIDENING

Bridge Number	Bridge Description	Abutment/ Bent No.	Span No.	Geometry: Station	Geometry: Span Length	Geometry: Skew	Geometry: Proposed Deck Width at C.L. Bent	Clearances: Minimum Horizontal Clearance	Clearances: Protection	Clearances: Existing Vertical Clearance	Clearances: Calculated Proposed Vert Clearance*	Proposed Bridge Type: Superstructure Type	Proposed Bridge Type: Substructure Type	Proposed Bridge Type: Foundation Type	Proposed Bridge Type: Substructure Aesthetics
115	US 77 Overpass	1		1862+30.00		55.8 deg	47.00'	N.A.	--				Abutment	Drilled Shafts	None
			1		50.00'					--	--	Prstrs Beam			
		2		1862+80.00		55.8 deg	47.00'	5.50'	Concrete Barrier				Hammerhead	Drilled Shafts	Baseline GATEWAY
			2		85.00'					15.08'	15.01'	Prstrs Beam			
		3		1863+65.00		55.8 deg	47.00'	12.16'	None				Hammerhead	Drilled Shafts	Baseline GATEWAY
			3		50.00'					--	--	Prstrs Beam			
		4		1864+15.00		55.8 deg	47.00'	N.A.	--				Abutment	Drilled Shafts	None

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