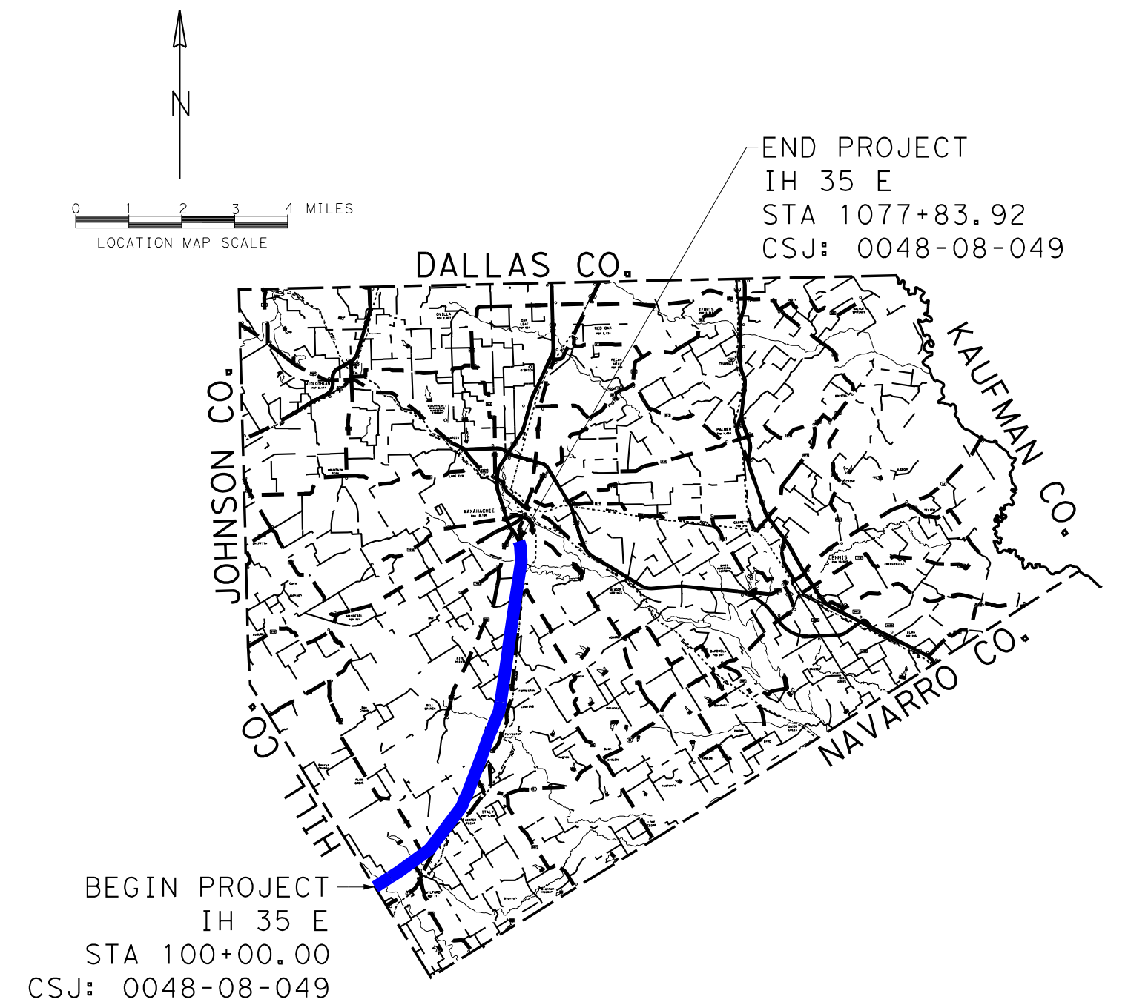
6/9/2015 1:38:30 PM

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
(HILL/ELLIS CO. LINE)
TO US 77 SOUTH OF WAXAHACHIE
CSJ: 0048-08-049
FUNCTIONAL CLASS: INTERSTATE
DESIGN SPEED: 70 mph FREEWAY
50 mph RAMPS
PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)



LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

50 0 50 100 200 400
SCALE: 1" = 100' HORIZONTAL
1" = 10' VERTICAL

PRELIMINARY FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND REGULATORY APPROVAL ONLY. THEY ARE NOT INTENDED FOR PERMITTING, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NAME	P.E. NO.	DATE
AARON DEMARAY TAINTER	105733	6/9/2015

JUNE 2015
ROLL 1 OF 23

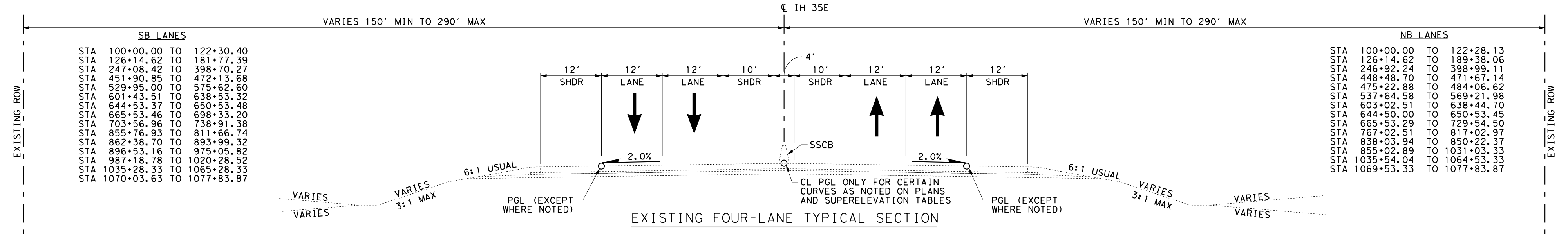
S:\0359\01\Dgn\Sheets\0359-SCH-PP-01.dgn

LEGEND

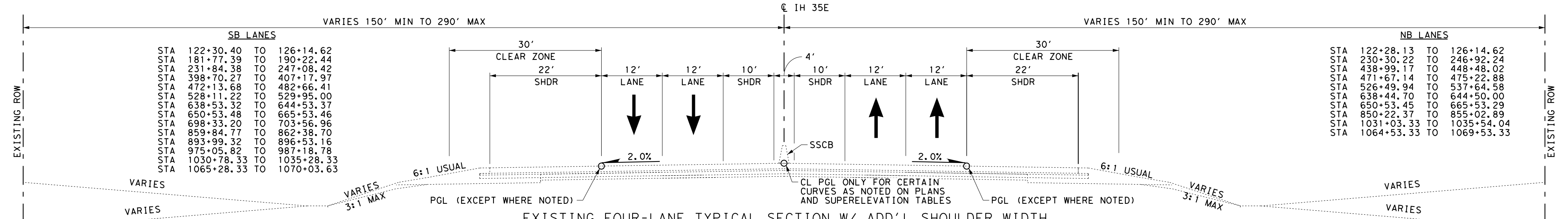
CLIH35E-1	CURVE NUMBER
→	DIRECTION OF TRAFFIC
— - — - —	EXISTING BASELINE/CENTERLINE
— - — - —	PROPOSED BASELINE/CENTERLINE
— - - — - -	EXISTING ROW
— — — —	EXISTING PROPERTY LINE (APPROX.)
—III—III—	EXISING CONTROL-OF-ACCESS (COA)
— — — —	EXISTING EASEMENT
— — — —	EXISTING DRAINAGE
—— 550 ——	EXISTING CONTOURS
▨	FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
—W——W——W—	EXISTING WATER LINE
------ WW ------	EXISTING WASTEWATER LINE
-------- G ----	EXISTING GAS LINE
---------- T ----	EXISTING UNDERGROUND TELEPHONE LINE
·······E·······E··	EXISTING UNDERGROUND ELECTRIC LINE
—— OE ——	EXISTING OVERHEAD ELECTRIC LINE
═══	EXISTING SSCB
—— ••• ——▶	EXISTING DITCH FLOW LINE
—— ••• ——▶	PROPOSED DITCH FLOW LINE
———	PROPOSED MBGF
🟧	PROPOSED PAVEMENT
⬛	EXISTING PAVEMENT
🟦	EXISTING BRIDGE
▨	PAVEMENT REMOVAL

NOTES

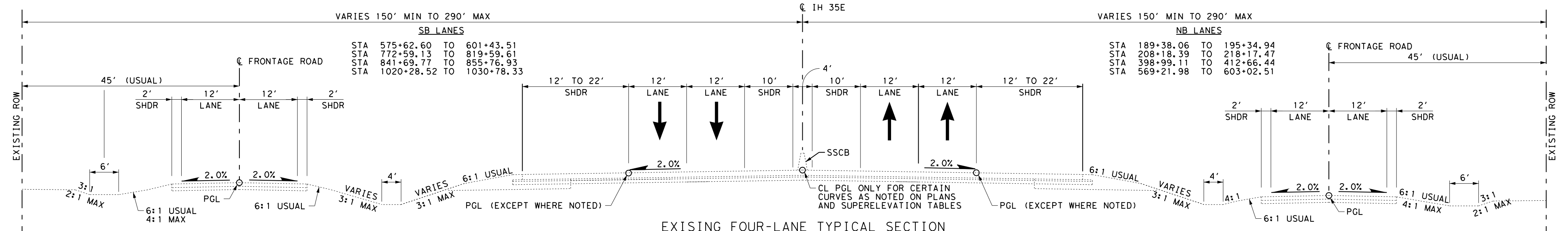
1. EXISTING TOPOGRAPHICAL INFORMATION FROM FIELD AND AERIAL SURVEYS CONDUCTED IN JULY-AUGUST 2014. DIGITAL FILES CREATED BY ARRENDONDO, ZEPEDA & BRUNZ, AND PROVIDED BY TxDOT.
2. COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM OF 1983, NORTH CENTRAL ZONE NO. 4202, NORTH AMERICAN DATUM OF 1983 (NAD83) AS DETERMINED BY GPS USING THE TXDOT VRS NETWORK, GEOID12A MODEL USING A GRID-TO-SURFACE CONVERSION FACTOR OF 1.000072449 (ELLIS COUNTY). ELEVATIONS ARE BASED ON NAVD 1988 BY TXDOT GPS VRS OBSERVATIONS.



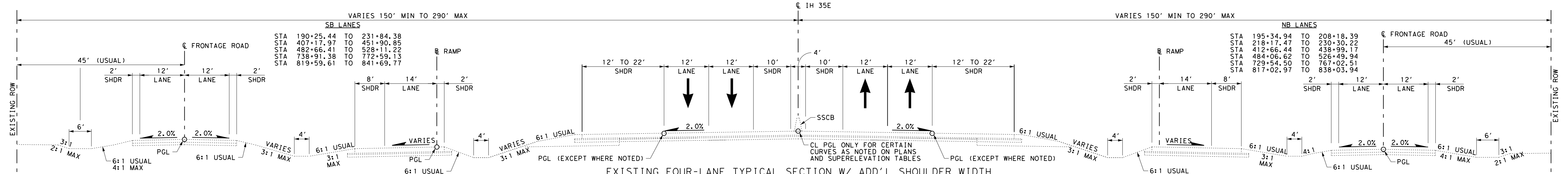
EXISTING FOUR-LANE TYPICAL SECTION



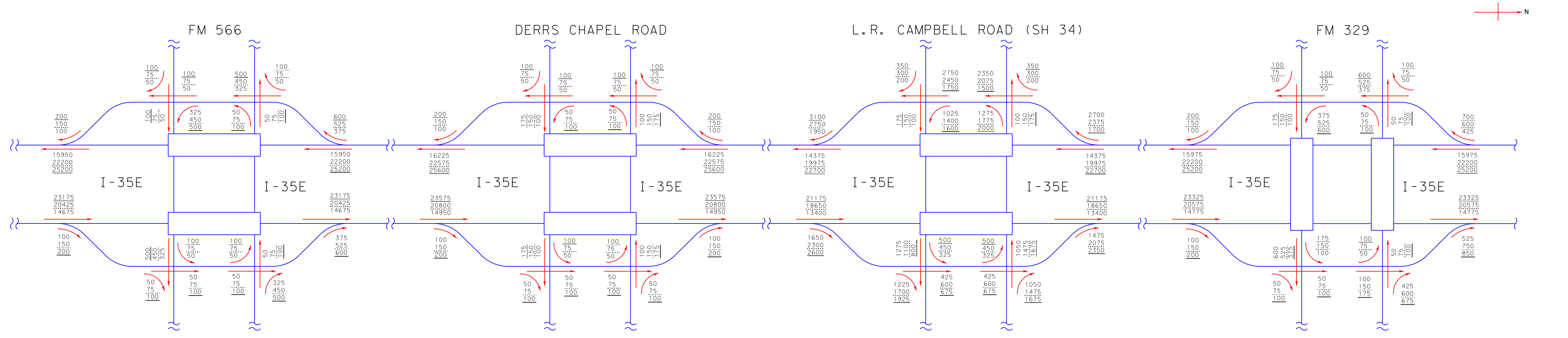
EXISTING FOUR-LANE TYPICAL SECTION W/ ADD'L SHOULDER WIDTH



EXISING FOUR-LANE TYPICAL SECTION
MAINLANES W/ FRONTAGE ROADS



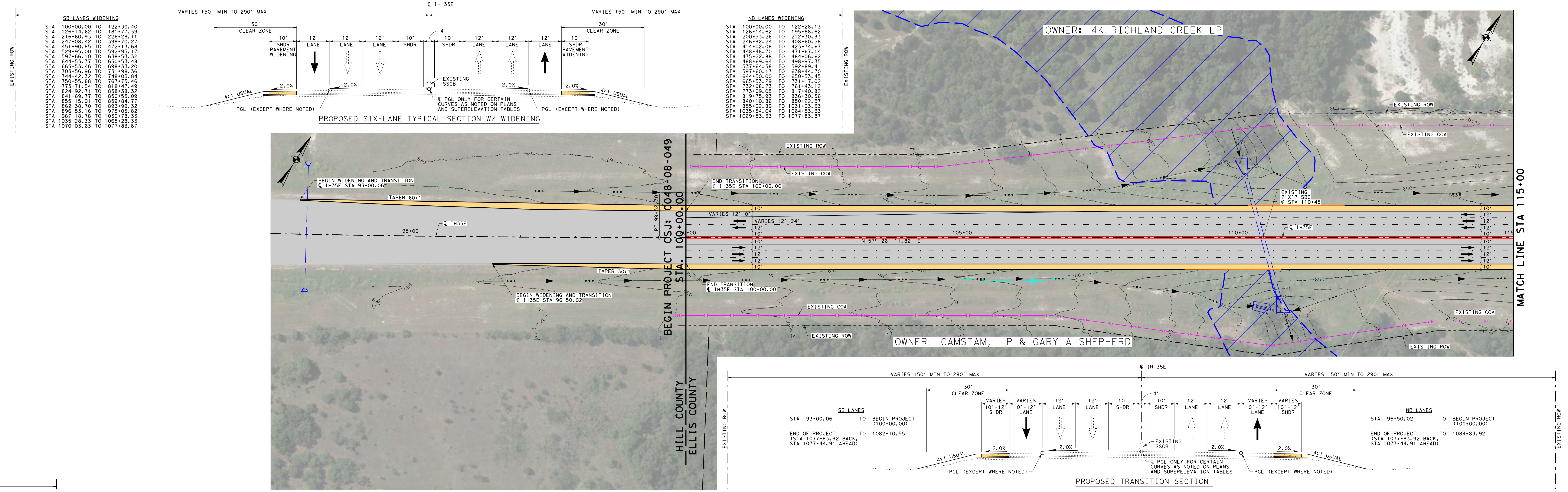
EXISTING FOUR-LANE TYPICAL SECTION W/ ADD'L SHOULDER WIDTH
MAIN LANES W/ RAMPS



TRAFFIC DATA PROVIDED BY:
TEXAS DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
JANUARY 2013

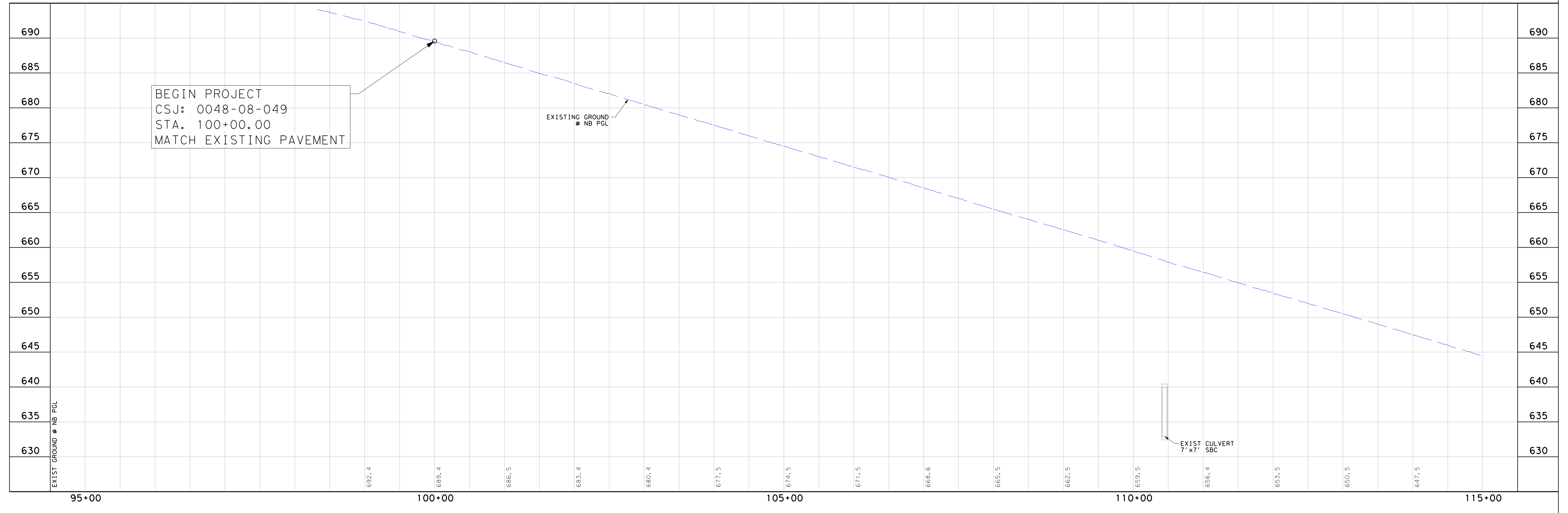
LEGEND

1000 - 2015 ADT
1000 - 2035 ADT
1000 - 2045 ADT



PROPOSED SIX-LANE TYPICAL SECTION W/ WIDENING

PROPOSED TRANSITION SECTION



NOTE: VERTICAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.

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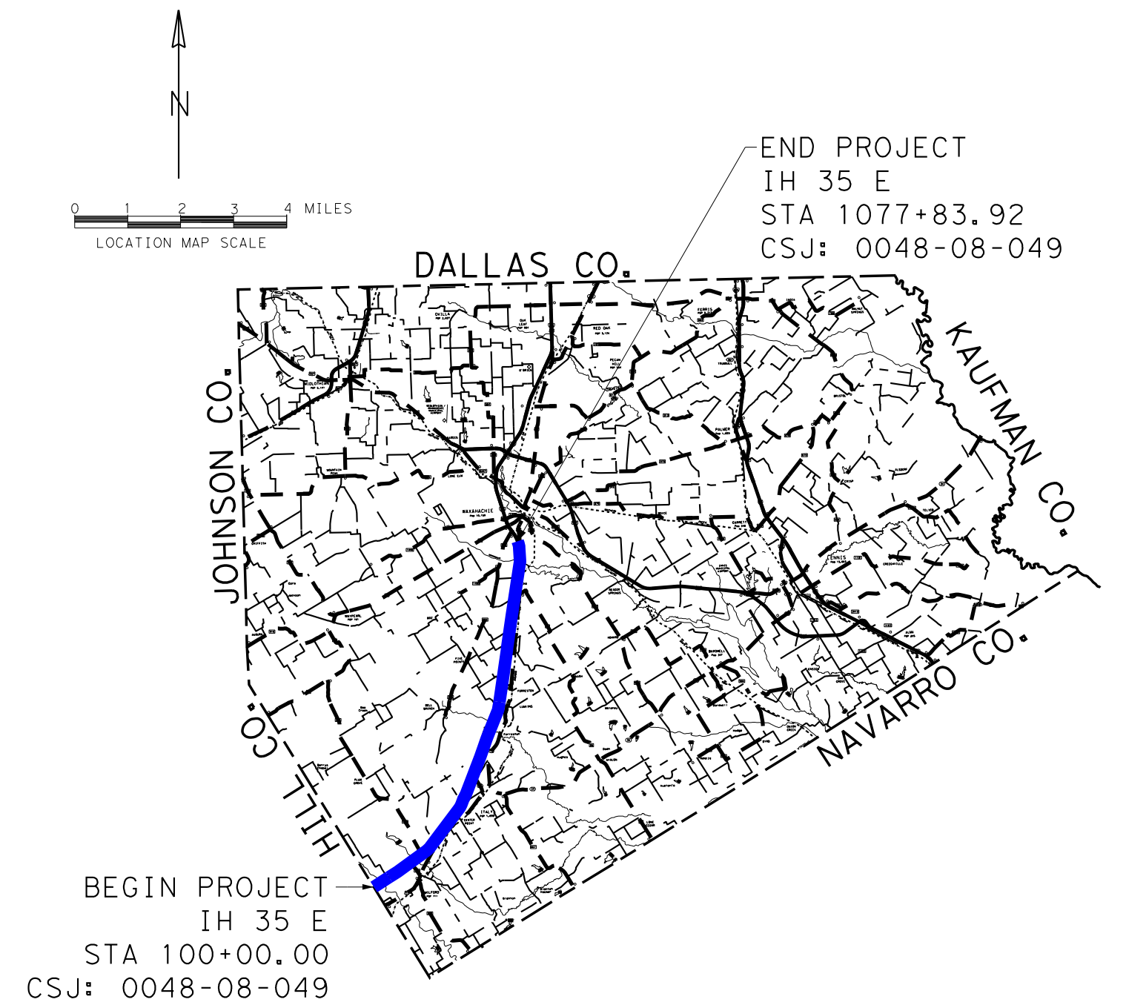

LOCATION MAP
BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264
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AARON DEMARAY TAINTER 105733 6/9/2015
JUNE 2015
ROLL 1 OF 23
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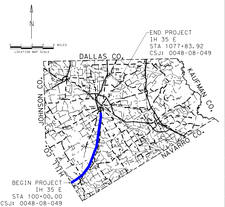

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AARON DEWAYNE TANTER 65733 6/9/2015
NAME P.E. NO. DATE

JUNE 2015
ROLL 2 OF 23

LEGEND

0123456789	CURVE NUMBER
	DIRECTION OF TRAFFIC
	EXISTING BASELINE/CENTERLINE
	PROPOSED BASELINE/CENTERLINE
	EXISTING ROW
	EXISTING PROPERTY LINE (APPROX.)
	EXISTING CONTROL-OF-ACCESS (COA)
	EXISTING EASEMENT
	EXISTING DRAINAGE
DRN	EXISTING DRAINAGE
	FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
	EXISTING WATER LINE
WW	EXISTING WASTEWATER LINE
G	EXISTING GAS LINE
	EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING UNDERGROUND ELECTRIC LINE
OE	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING SSCB
	EXISTING DITCH FLOW LINE
	PROPOSED DITCH FLOW LINE
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	PROPOSED PAVEMENT
	EXISTING PAVEMENT
	EXISTING BRIDGE
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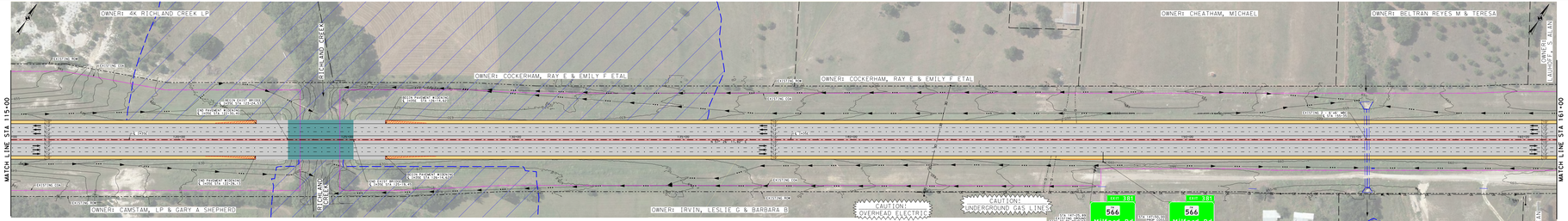

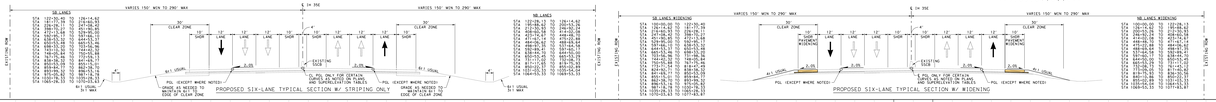

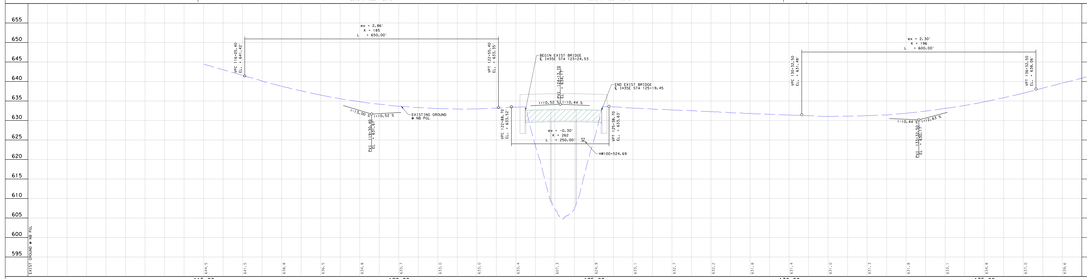

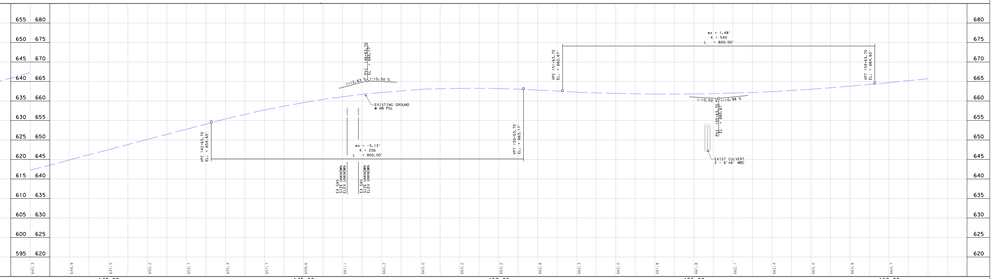

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Texas Department of Transportation

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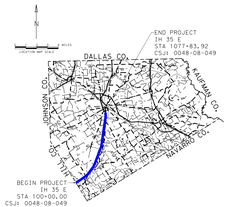

LOCATION MAP

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CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

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AARON DEWAYNE TANTER 65733 6/9/2015
NAME P.E. NO. DATE

JUNE 2015
ROLL 2 OF 23

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AARON DEWAYNE TANTER	60733	6/9/2015
NAME	P.E. NO.	DATE

JUNE 2015
ROLL 3 OF 23

LEGEND

CURVE NUMBER	CURVE NUMBER
	DIRECTION OF TRAFFIC
	EXISTING BASELINE/CENTERLINE
	PROPOSED BASELINE/CENTERLINE
	EXISTING ROW
	EXISTING PROPERTY LINE (APPROX.)
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	EXISTING EASEMENT
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	EXISTING FENCE
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	PROPOSED DITCH FLOW LINE
	PROPOSED WBGF
	PROPOSED PAVEMENT
	EXISTING PAVEMENT
	EXISTING BRIDGE
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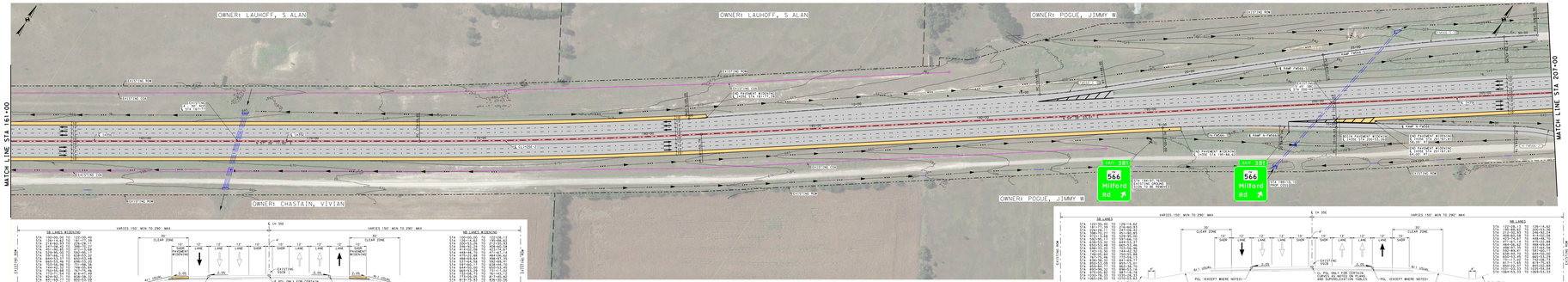

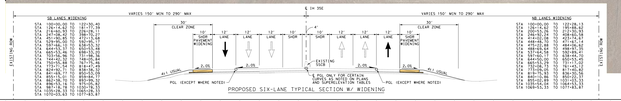

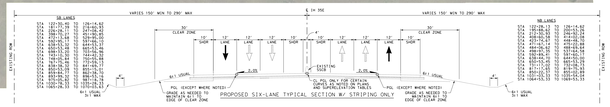

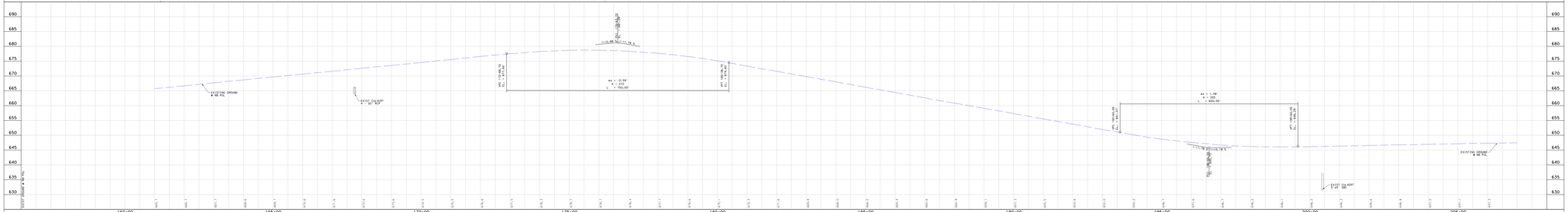

NOTE: VERTICAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.

Texas Department of Transportation

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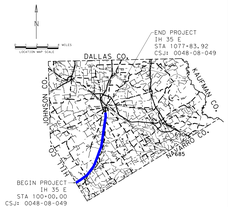

LOCATION MAP

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CONSULTING ENGINEERS
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50 0 50 100 200 400
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AARON DEWAYNE TANTER	60733	6/9/2015
NAME	P.E. NO.	DATE

JUNE 2015
ROLL 3 OF 23

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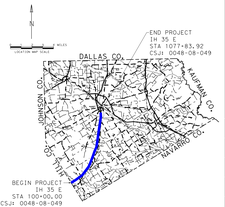

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ROLL 4 OF 23

LEGEND

CURVE NUMBER	
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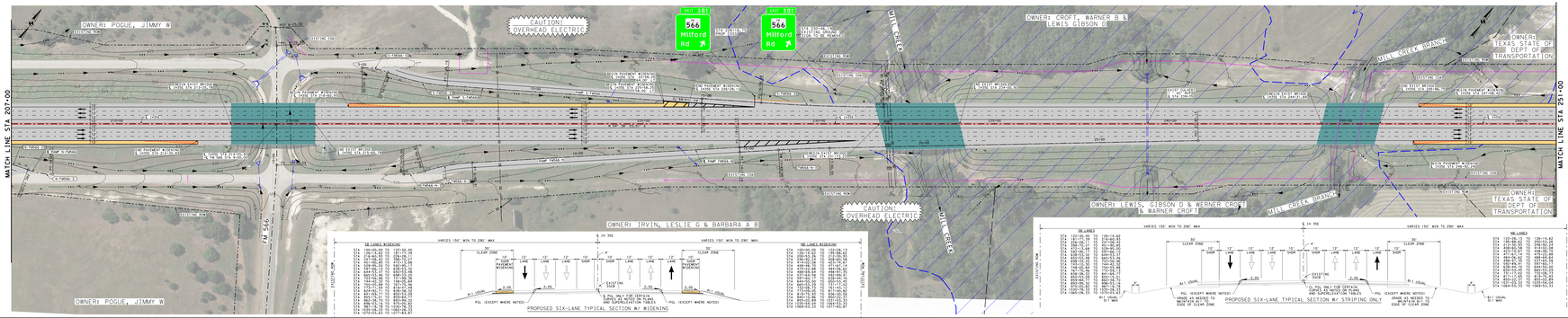

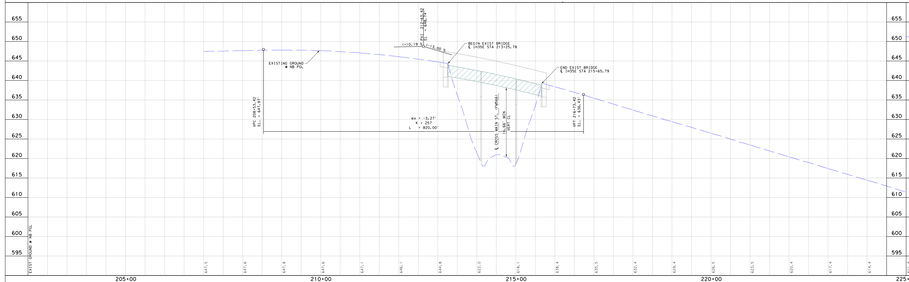

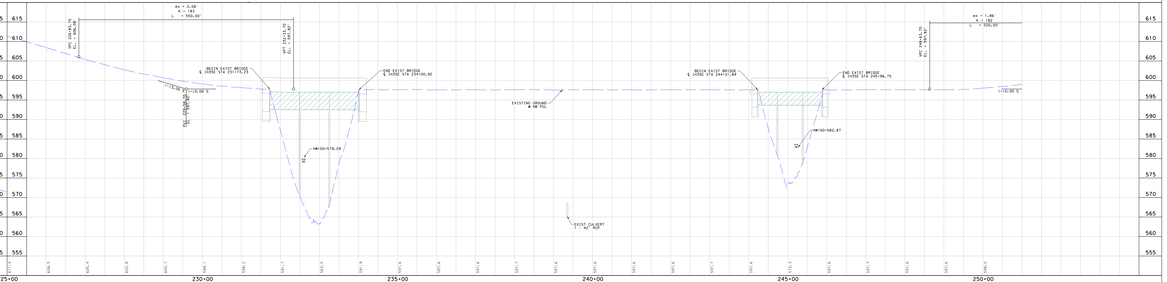

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CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

SCALE: 1" = 100' HORIZONTAL, 1" = 10' VERTICAL

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AARON DEWAYNE TANTER 65733 6/9/2015
NAME P.E. NO. DATE

JUNE 2015
ROLL 5 OF 23

LEGEND

CURVE NUMBER	
DIRECTION OF TRAFFIC	
EXISTING BASELINE/CENTERLINE	
PROPOSED BASELINE/CENTERLINE	
EXISTING ROW	
EXISTING PROPERTY LINE (APPROX.)	
EXISTING CONTROL-OF-ACCESS (COA)	
EXISTING EASEMENT	
EXISTING DRAINAGE	
EXISTING CULVERT	
FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS	
EXISTING WATER LINE	
EXISTING WASTEWATER LINE	
EXISTING GAS LINE	
EXISTING UNDERGROUND TELEPHONE LINE	
EXISTING UNDERGROUND ELECTRIC LINE	
EXISTING OVERHEAD ELECTRIC LINE	
EXISTING SSCB	
EXISTING DITCH FLOW LINE	
PROPOSED DITCH FLOW LINE	
PROPOSED WBGF	
PROPOSED PAVEMENT	
EXISTING PAVEMENT	
EXISTING BRIDGE	
PAVEMENT REMOVAL	

NOTES

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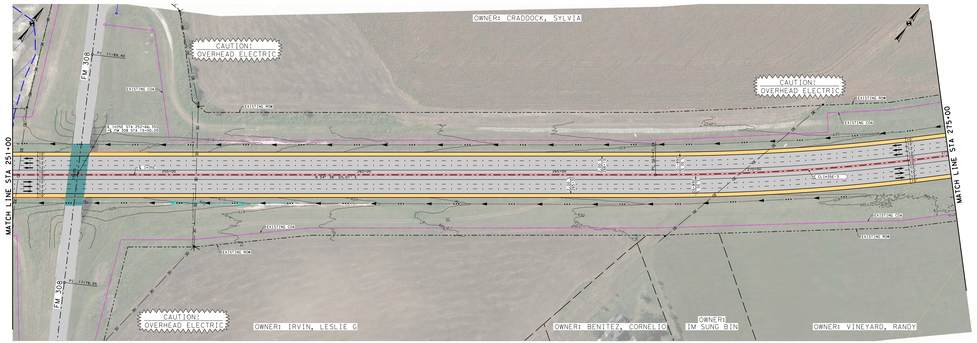
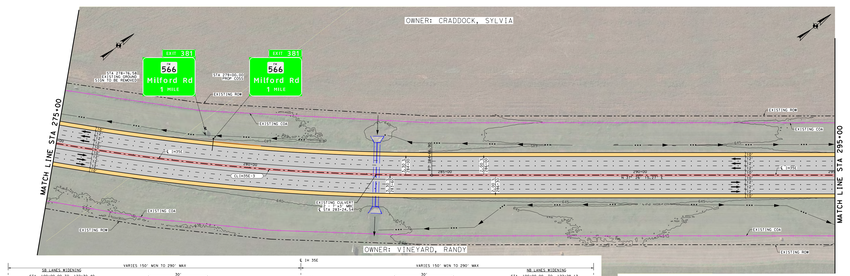
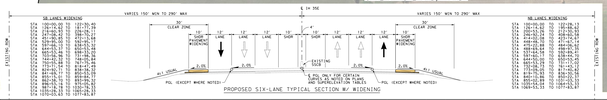
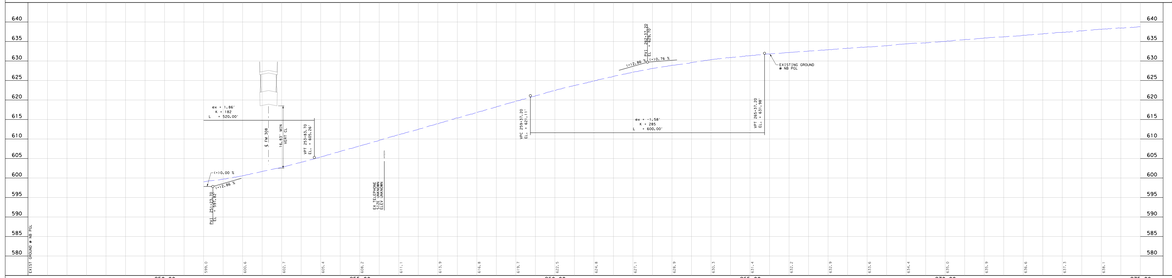


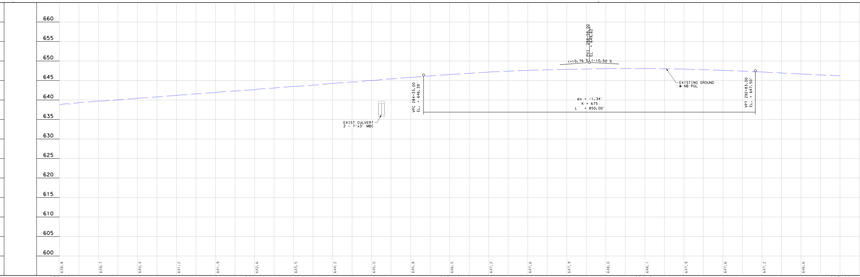




SUPERELEVATION DATA - CURVE CL(INTRS.)

STATION	POL	CROWN % SPR		DESCRIPTION
		CROWN	SPR	
265+50.00	NB	2.00%	2.00%	END NORMAL CROWN / BEGIN SUPERELEVATION TRANSITION
268+50.00	NB	5.50%	5.50%	END SUPERELEVATION TRANSITION / BEGIN FULL SUPER
293+00.00	NB	5.50%	5.50%	END FULL SUPER / BEGIN SUPERELEVATION TRANSITION
296+50.00	NB	2.00%	2.00%	END SUPERELEVATION TRANSITION / BEGIN NORMAL CROWN
264+00.00	SB	2.00%	2.00%	END NORMAL CROWN / BEGIN SUPERELEVATION TRANSITION
269+00.00	SB	5.50%	5.50%	END SUPERELEVATION TRANSITION / BEGIN FULL SUPER
292+50.00	SB	5.50%	5.50%	END FULL SUPER / BEGIN SUPERELEVATION TRANSITION
296+00.00	SB	2.00%	2.00%	END SUPERELEVATION TRANSITION / BEGIN NORMAL CROWN

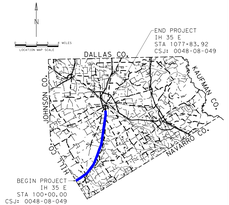




NOTE: VERTICAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
(HILL/ELLIS CO. LINE)
TO US 77 SOUTH OF WAXAHACHIE
CSJ: 0048-08-049
FUNCTIONAL CLASS: INTERSTATE
DESIGN SPEED: 70 mph FREEWAY
50 mph RAMPS
PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)



LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

SCALE: 1" = 100' HORIZONTAL, 1" = 10' VERTICAL

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NAME P.E. NO. DATE

JUNE 2015
ROLL 5 OF 23

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Texas Department of Transportation

DALLAS DISTRICT

DESIGN SCHEMATIC

KELLY SELMAN, P.E., DISTRICT ENGINEER

ELLIS COUNTY

IH 35 E

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(HILL/ELLIS CO. LINE)

TO US 77 SOUTH OF WAXAHACHIE

CSJ: 0048-08-049

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LEGEND

CURVE NUMBER	CURVE NUMBER
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	EXISTING ROW
	EXISTING PROPERTY LINE (APPROX.)
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	EXISTING EASEMENT
	EXISTING DRAINAGE
DRAINAGE	EXISTING DRAINAGE
FEMA	FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
W	EXISTING WATER LINE
WW	EXISTING WASTEWATER LINE
G	EXISTING GAS LINE
T	EXISTING UNDERGROUND TELEPHONE LINE
UE	EXISTING UNDERGROUND ELECTRIC LINE
OE	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING SSCB
	EXISTING DITCH FLOW LINE
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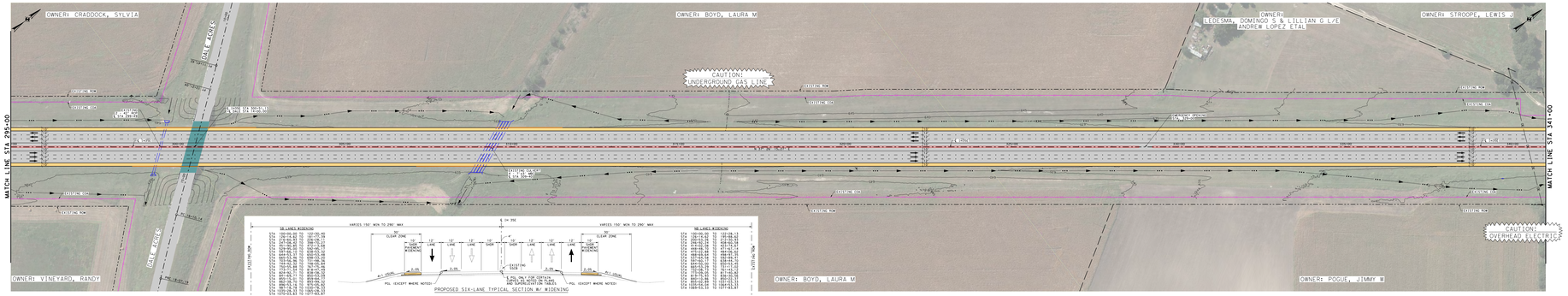

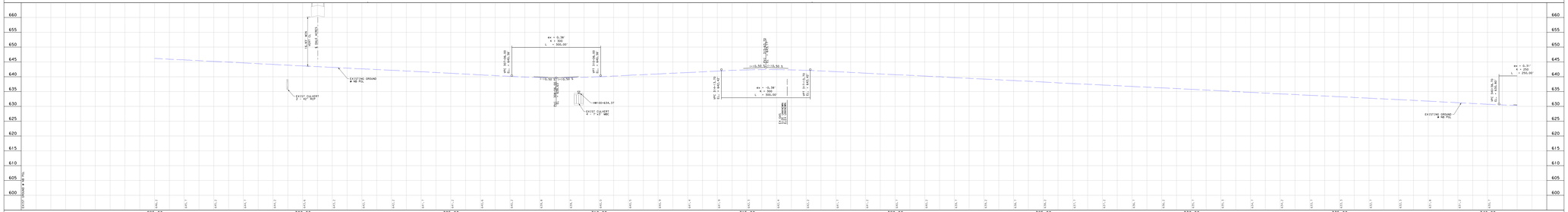

NOTE: VERTICAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.

Texas Department of Transportation

DALLAS DISTRICT

DESIGN SCHEMATIC

KELLY SELMAN, P.E., DISTRICT ENGINEER

ELLIS COUNTY

IH 35 E

PROJECT LIMIT: FROM 2 MILES S. OF FM 566

(HILL/ELLIS CO. LINE)

TO US 77 SOUTH OF WAXAHACHIE

CSJ: 0048-08-049

FUNCTIONAL CLASS: INTERSTATE

DESIGN SPEED: 70 mph FREEWAY

50 mph RAMPS

PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)

LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

50 0 50 100 200 400
SCALE: 1" = 50' HORIZONTAL
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JUNE 2015
ROLL 6 OF 23

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Texas Department of Transportation

DALLAS DISTRICT

DESIGN SCHEMATIC

KELLY SELMAN, P.E., DISTRICT ENGINEER

ELLIS COUNTY

IH 35 E

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AARON DEWAYNE TANTER	60733	6/9/2015
NAME	P.E. NO.	DATE

JUNE 2015

ROLL 7 OF 23

LEGEND

0+00.00	CURVE NUMBER
	DIRECTION OF TRAFFIC
	EXISTING BASELINE/CENTERLINE
	PROPOSED BASELINE/CENTERLINE
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	EXISTING EASEMENT
	EXISTING DRAINAGE
FEMA	EXISTING FEMA
	FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
W	EXISTING WATER LINE
WW	EXISTING WASTEWATER LINE
G	EXISTING GAS LINE
T	EXISTING UNDERGROUND TELEPHONE LINE
T	EXISTING OVERHEAD TELEPHONE LINE
OE	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING DSCB
	EXISTING DITCH FLOW LINE
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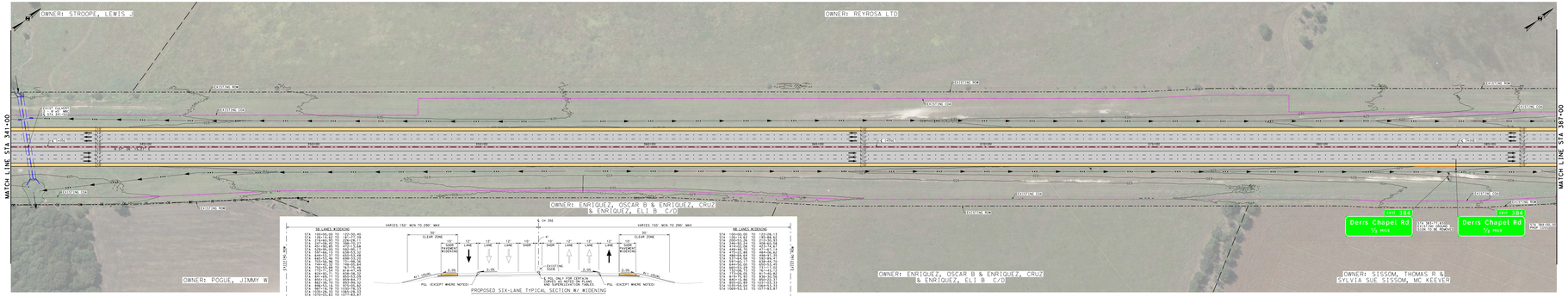

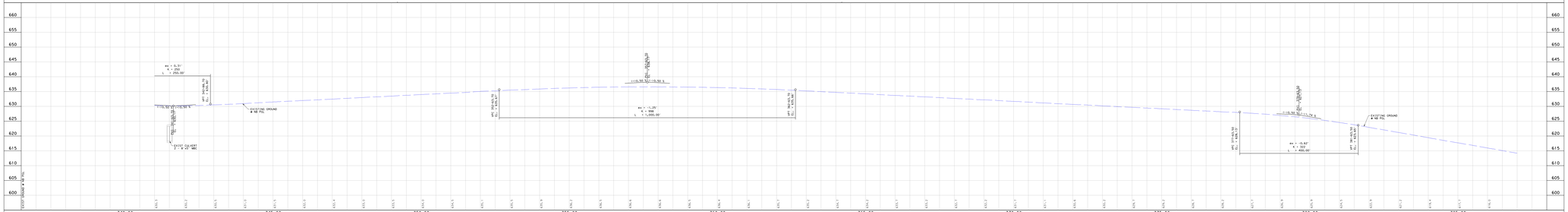

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Texas Department of Transportation

DALLAS DISTRICT

DESIGN SCHEMATIC

KELLY SELMAN, P.E., DISTRICT ENGINEER

ELLIS COUNTY

IH 35 E

PROJECT LIMIT: FROM 2 MILES S. OF FM 566

(HILL/ELLIS CO. LINE)

TO US 77 SOUTH OF WAXAHACHIE

CSJ: 0048-08-049

FUNCTIONAL CLASS: INTERSTATE

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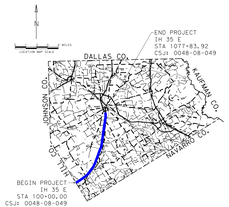
PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)



LOCATION MAP

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NAME	P.E. NO.	DATE

JUNE 2015

ROLL 7 OF 23

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Texas Department of Transportation

DALLAS DISTRICT

DESIGN SCHEMATIC

KELLY SELMAN, P.E., DISTRICT ENGINEER

ELLIS COUNTY

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PROJECT LIMIT: FROM 2 MILES S. OF FM 566

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EXISTING EASEMENT	
EXISTING DRAINAGE	
EXISTING FENCE	
FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS	
EXISTING WATER LINE	W
EXISTING WASTEWATER LINE	WW
EXISTING GAS LINE	G
EXISTING UNDERGROUND TELEPHONE LINE	T
EXISTING UNDERGROUND ELECTRIC LINE	E
EXISTING OVERHEAD ELECTRIC LINE	OE
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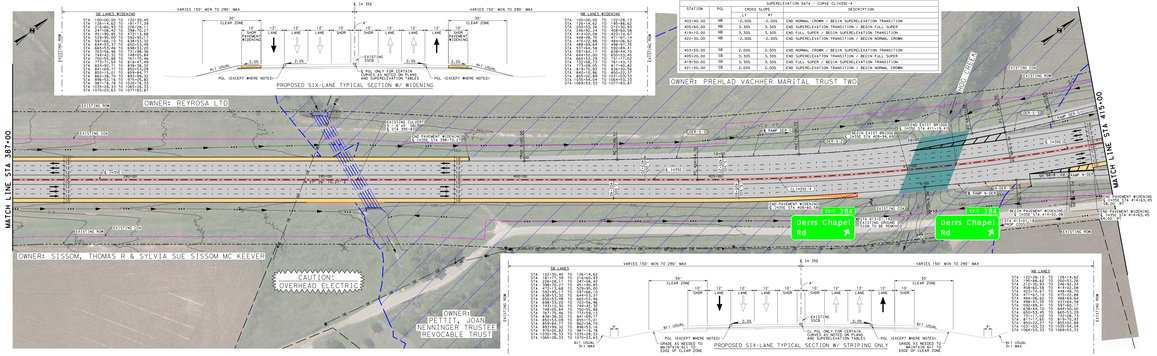
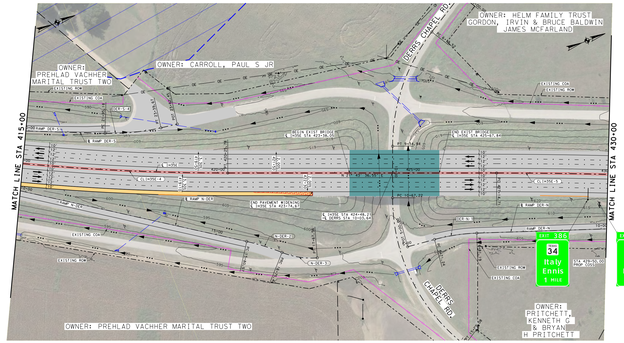
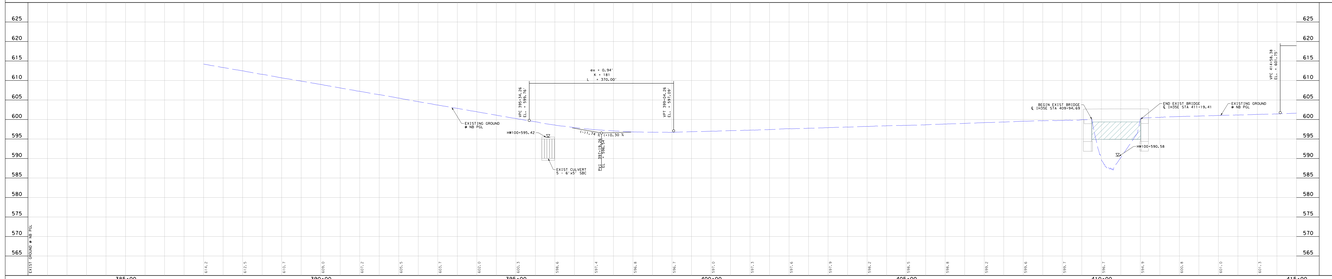
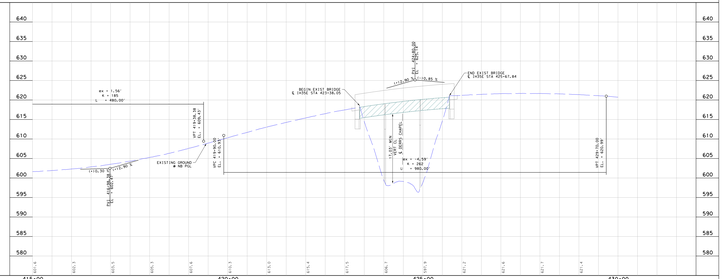
SUPERELEVATION DATA - CURVE CLINOSE-4

STATION	PSL	CROSS SLOPE		DESCRIPTION
		BL	RL	
402+45.00	NB	2.00%	2.00%	END NORMAL CROWN / BEGIN SUPERELEVATION TRANSITION
409+46.00	NB	5.30%	5.30%	END SUPERELEVATION TRANSITION / BEGIN FULL SUPER
419+15.00	NB	5.30%	5.30%	END FULL SUPER / BEGIN SUPERELEVATION TRANSITION
422+35.00	NB	-2.00%	-2.00%	END SUPERELEVATION TRANSITION / BEGIN NORMAL CROWN
403+25.00	SB	2.00%	2.00%	END NORMAL CROWN / BEGIN SUPERELEVATION TRANSITION
409+25.00	SB	5.30%	5.30%	END SUPERELEVATION TRANSITION / BEGIN FULL SUPER
419+95.00	SB	5.30%	5.30%	END FULL SUPER / BEGIN SUPERELEVATION TRANSITION
421+55.00	SB	2.00%	2.00%	END SUPERELEVATION TRANSITION / BEGIN NORMAL CROWN









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Texas Department of Transportation

DALLAS DISTRICT

DESIGN SCHEMATIC

KELLY SELMAN, P.E., DISTRICT ENGINEER

ELLIS COUNTY

IH 35 E

PROJECT LIMIT: FROM 2 MILES S. OF FM 566

(HILL/ELLIS CO. LINE)

TO US 77 SOUTH OF WAXAHACHIE

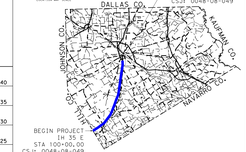
CSJ: 0048-08-049

FUNCTIONAL CLASS: INTERSTATE

DESIGN SPEED: 70 mph FREEWAY

50 mph RAMPS

PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)



LOCATION MAP

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CONSULTING ENGINEERS
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LEGEND

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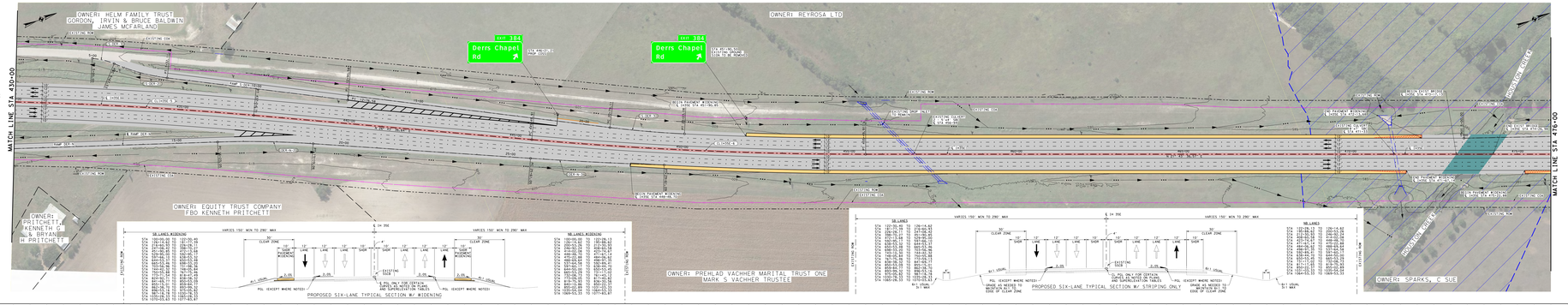

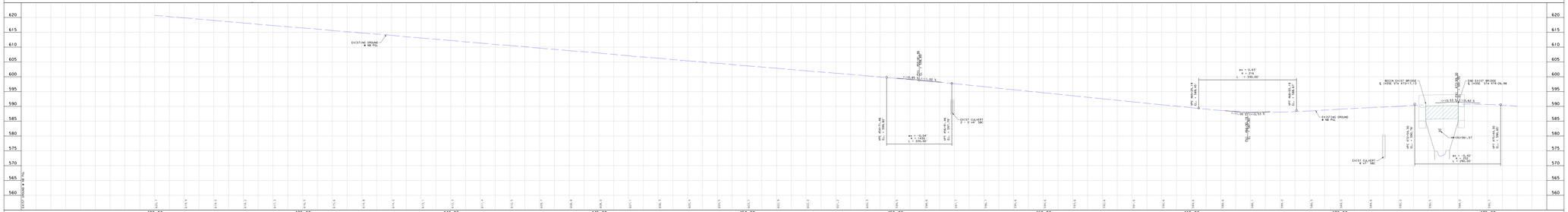

NOTE: VERTICAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
(HILL/ELLIS CO. LINE)
TO US 77 SOUTH OF WAXAHACHIE
CSJ: 0048-08-049
FUNCTIONAL CLASS: INTERSTATE
DESIGN SPEED: 70 mph FREEWAY
50 mph RAMPS
PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)

LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

SCALE: 1" = 10' HORIZONTAL, 1" = 10' VERTICAL

PRELIMINARY FOR INTERIM REVIEW ONLY
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AARON DEWAYNE TANTER 65733 6/9/2015
NAME P.E. NO. DATE

JUNE 2015
ROLL 9 OF 23

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Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
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(HILL/ELLIS CO. LINE)
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DESIGN SPEED: 70 mph FREEWAY
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LEGEND

CURVE NUMBER	CURVE NUMBER
	DIRECTION OF TRAFFIC
	EXISTING BASELINE/CENTERLINE
	PROPOSED BASELINE/CENTERLINE
	EXISTING ROW
	EXISTING PROPERTY LINE (APPROX.)
	EXISTING CONTROL-OF-ACCESS (COA)
	EXISTING EASEMENT
	EXISTING DRAINAGE
	EXISTING FENCE
	FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
	EXISTING WATER LINE
	EXISTING WASTEWATER LINE
	EXISTING GAS LINE
	EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING SSCB
	EXISTING DITCH FLOW LINE
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	PROPOSED PAVEMENT
	EXISTING PAVEMENT
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	PAVEMENT REMOVAL

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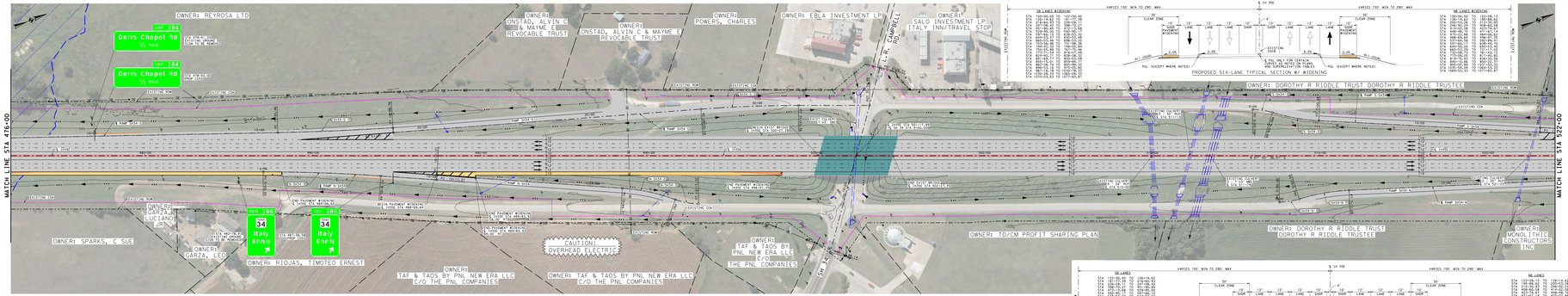

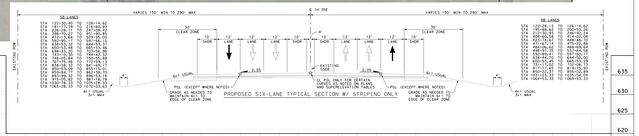

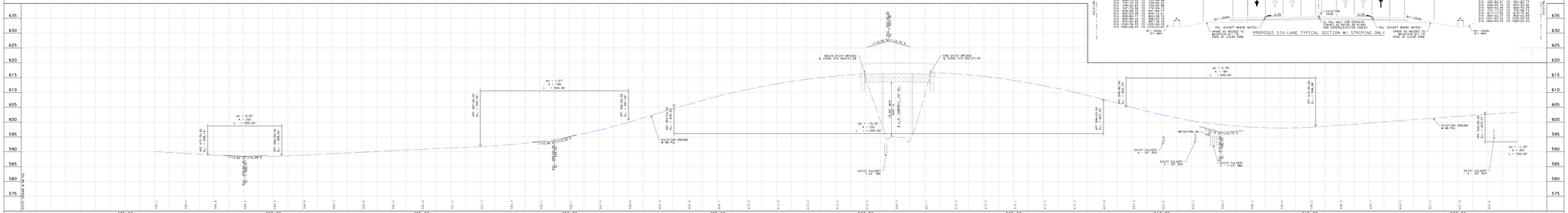

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Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
(HILL/ELLIS CO. LINE)
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DALLAS DISTRICT

DESIGN SCHEMATIC

KELLY SELMAN, P.E., DISTRICT ENGINEER

ELLIS COUNTY

IH 35 E

PROJECT LIMIT: FROM 2 MILES S. OF FM 566

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CSJ: 0048-08-049

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DESIGN SPEED: 70 mph FREEWAY

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LEGEND

0000+00	CURVE NUMBER
	DIRECTION OF TRAFFIC
	EXISTING BASELINE/CENTERLINE
	PROPOSED BASELINE/CENTERLINE
	EXISTING ROW
	EXISTING PROPERTY LINE (APPROX.)
	EXISTING CONTROL-OF-ACCESS (COA)
	EXISTING EASEMENT
	EXISTING DRAINAGE
	EXISTING CONTOUR
	FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
	EXISTING WATER LINE
	EXISTING WASTEWATER LINE
	EXISTING GAS LINE
	EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING SSCB
	EXISTING DITCH FLOW LINE
	PROPOSED DITCH FLOW LINE
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	PROPOSED PAVEMENT
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	EXISTING BRIDGE
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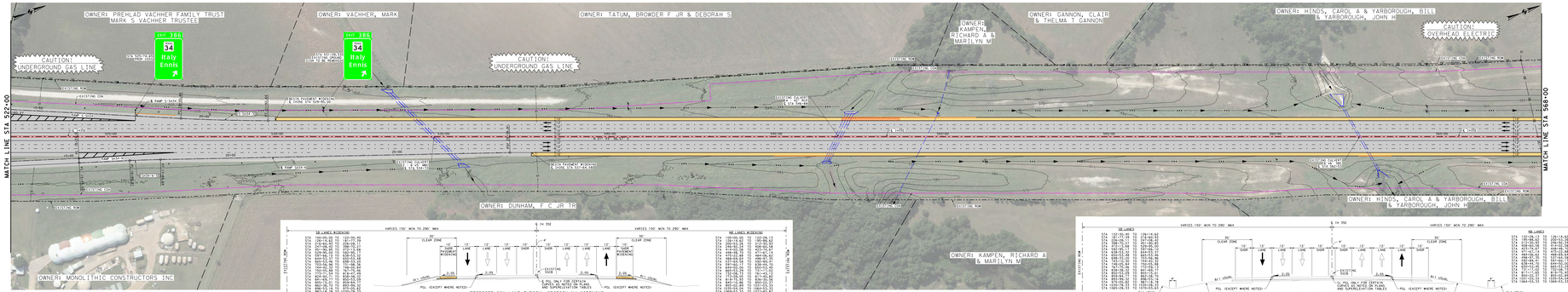

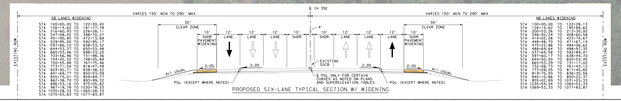

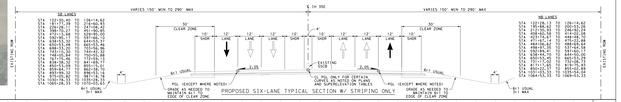

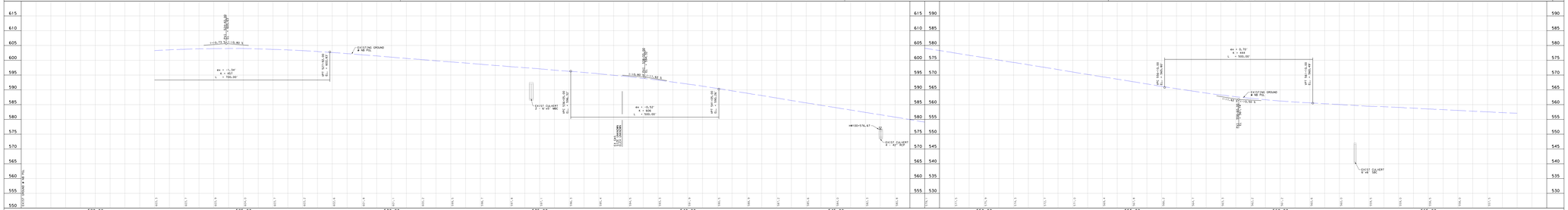

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Texas Department of Transportation

DALLAS DISTRICT

DESIGN SCHEMATIC

KELLY SELMAN, P.E., DISTRICT ENGINEER

ELLIS COUNTY

IH 35 E

PROJECT LIMIT: FROM 2 MILES S. OF FM 566

(HILL/ELLIS CO. LINE)

TO US 77 SOUTH OF WAXAHACHIE

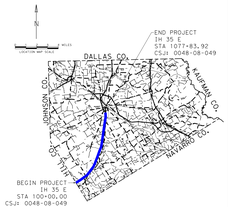
CSJ: 0048-08-049

FUNCTIONAL CLASS: INTERSTATE

DESIGN SPEED: 70 mph FREEWAY

50 mph RAMPS

PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)



LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

SCALE: 1" = 10' HORIZONTAL, 1" = 10' VERTICAL

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AARON DEWAYNE TANTER 65733 6/9/2015

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JUNE 2015

ROLL 11 OF 23

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DALLAS DISTRICT

DESIGN SCHEMATIC

KELLY SELMAN, P.E., DISTRICT ENGINEER

ELLIS COUNTY

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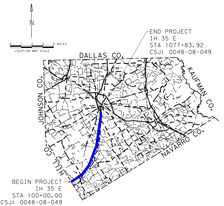

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JUNE 2015

ROLL 12 OF 23

LEGEND

0+00.00	CURVE NUMBER
	DIRECTION OF TRAFFIC
	EXISTING BASELINE/CENTERLINE
	PROPOSED BASELINE/CENTERLINE
	EXISTING ROW
	EXISTING PROPERTY LINE (APPROX.)
	EXISTING CONTROL-OF-ACCESS (COA)
	EXISTING EASEMENT
	EXISTING DRAINAGE
FM	EXISTING FENCE
	FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
W	EXISTING WATER LINE
WW	EXISTING WASTEWATER LINE
G	EXISTING GAS LINE
T	EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING UNDERGROUND ELECTRIC LINE
OE	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING SSCB
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	PROPOSED PAVEMENT
	EXISTING PAVEMENT
	EXISTING BRIDGE
	PAVEMENT REMOVAL

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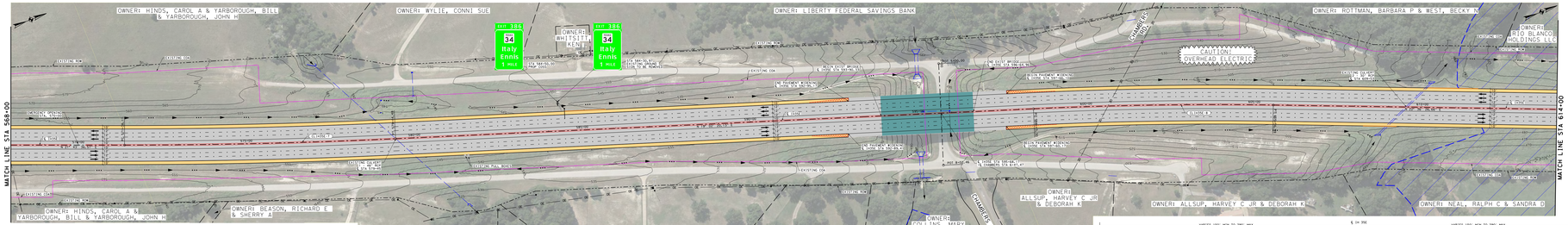

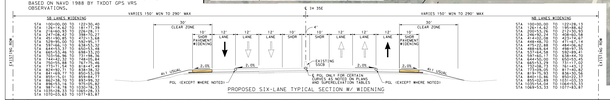

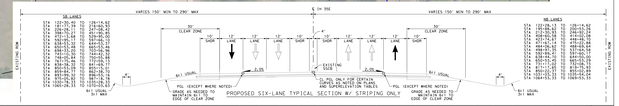

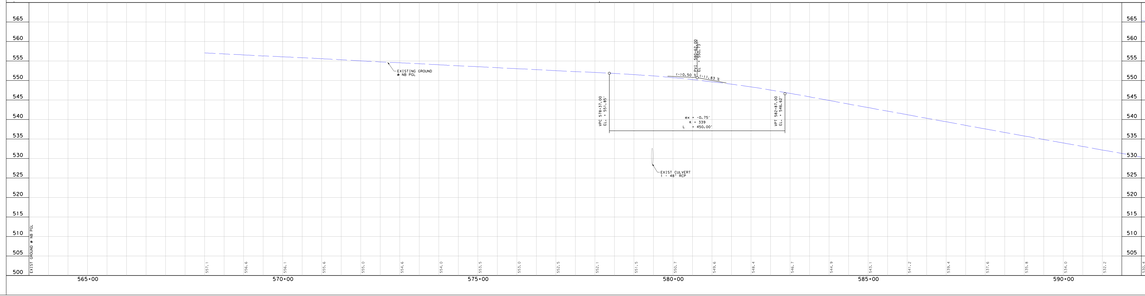

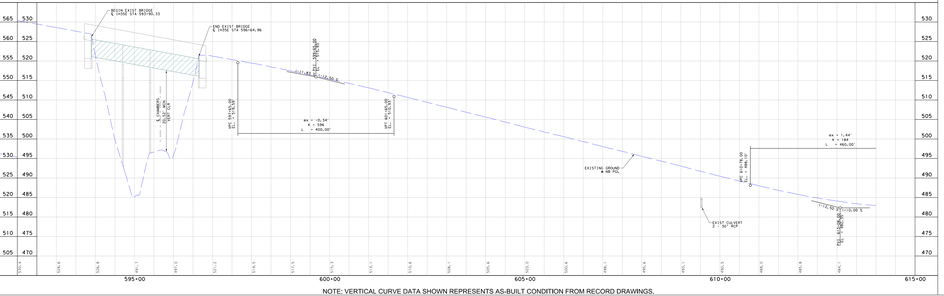

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Texas Department of Transportation

DALLAS DISTRICT

DESIGN SCHEMATIC

KELLY SELMAN, P.E., DISTRICT ENGINEER

ELLIS COUNTY

IH 35 E

PROJECT LIMIT: FROM 2 MILES S. OF FM 566

(HILL/ELLIS CO. LINE)

TO US 77 SOUTH OF WAXAHACHIE

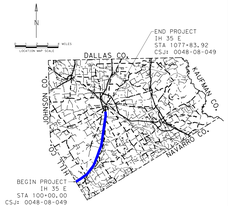
CSJ: 0048-08-049

FUNCTIONAL CLASS: INTERSTATE

DESIGN SPEED: 70 mph FREEWAY

50 mph RAMPS

PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)



LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

SCALE: HORIZONTAL 1" = 50' VERTICAL 1" = 10'

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JUNE 2015
ROLL 13 OF 23

LEGEND

CURVE NUMBER	
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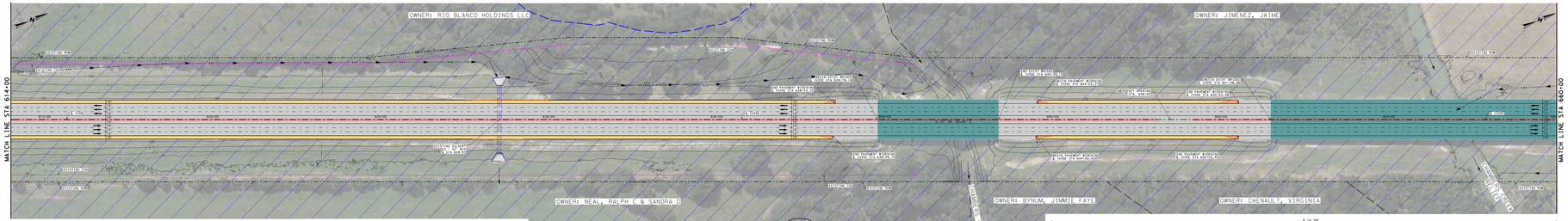

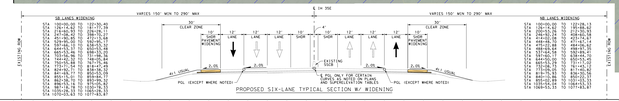

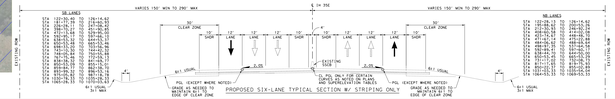

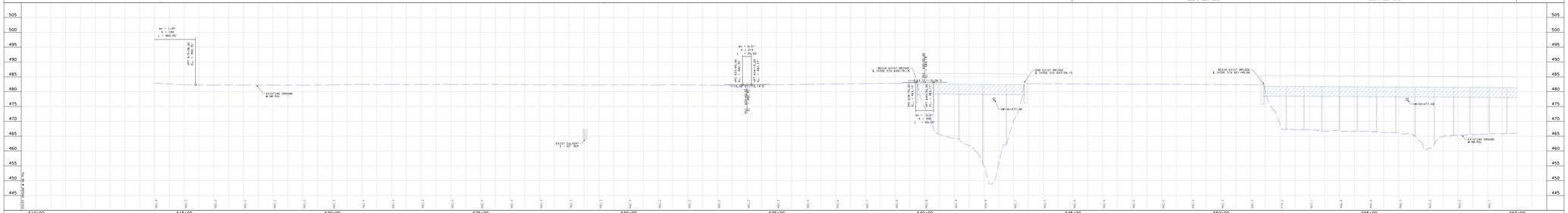

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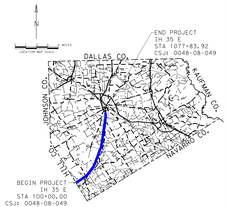

LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

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ROLL 13 OF 23

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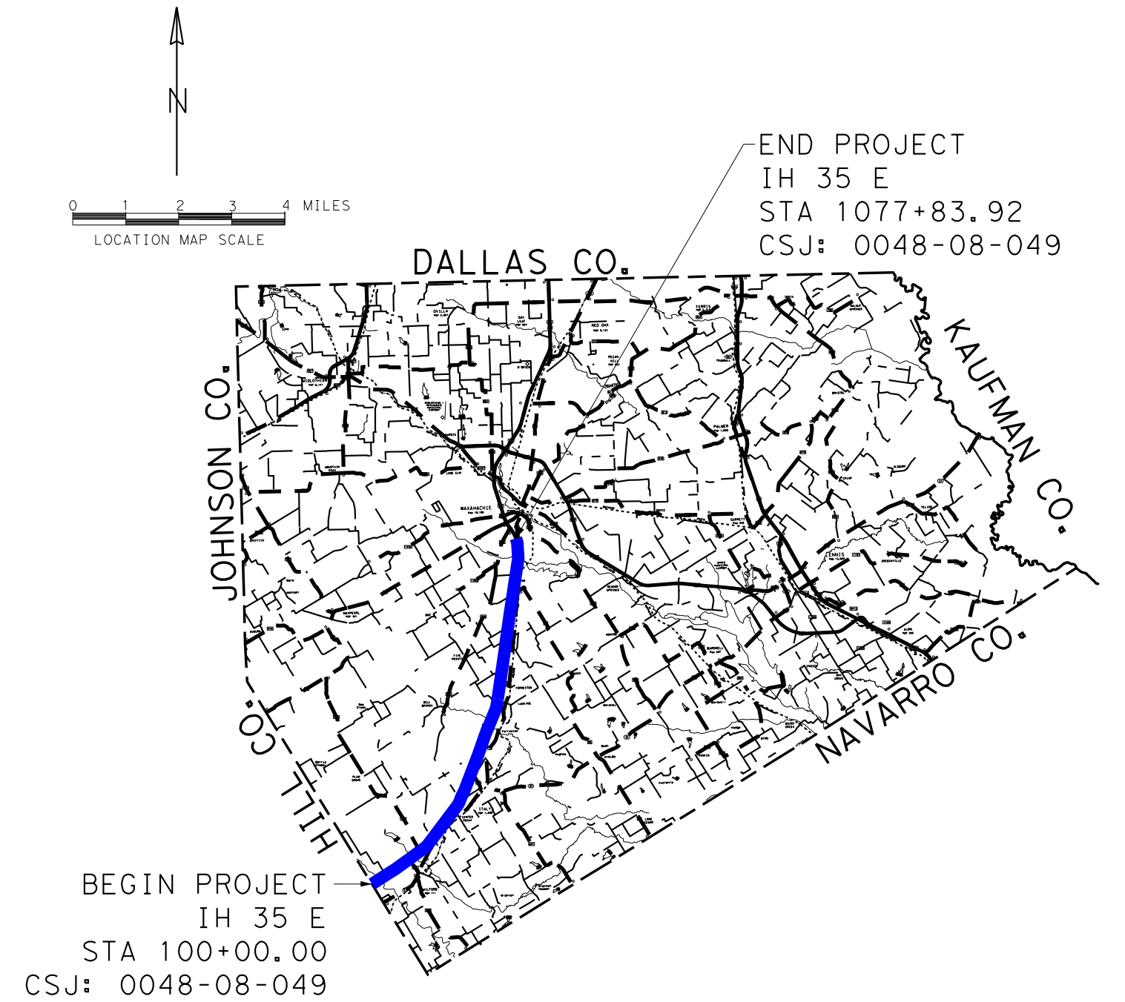
6/9/2015 1:44:45 PM

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
(HILL/ELLIS CO. LINE)
TO US 77 SOUTH OF WAXAHACHIE
CSJ: 0048-08-049
FUNCTIONAL CLASS: INTERSTATE
DESIGN SPEED: 70 mph FREEWAY
50 mph RAMPS
PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)



LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

50 0 50 100 200 400
SCALE: 1" = 100' HORIZONTAL
1" = 10' VERTICAL

PRELIMINARY FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND REGULATORY APPROVAL ONLY. THEY ARE NOT INTENDED FOR PERMITTING, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NAME	P.E. NO.	DATE
AARON DEMARAY TAINTER	105733	6/9/2015

JUNE 2015
ROLL 14 OF 23

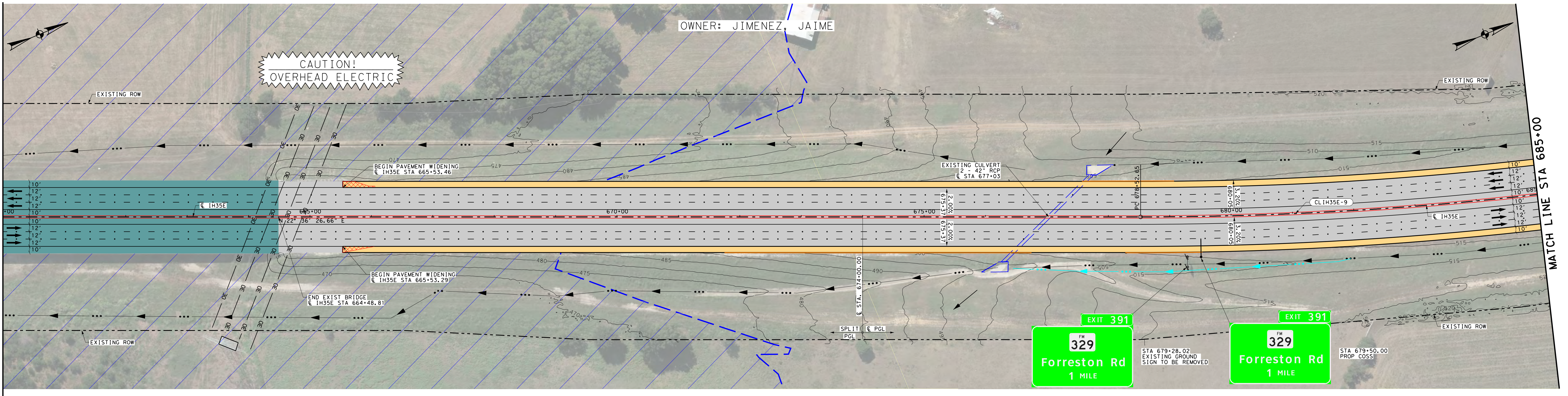
S:\0359\01\Dgn\Sheets\0359-SCH-PP-14.dgn

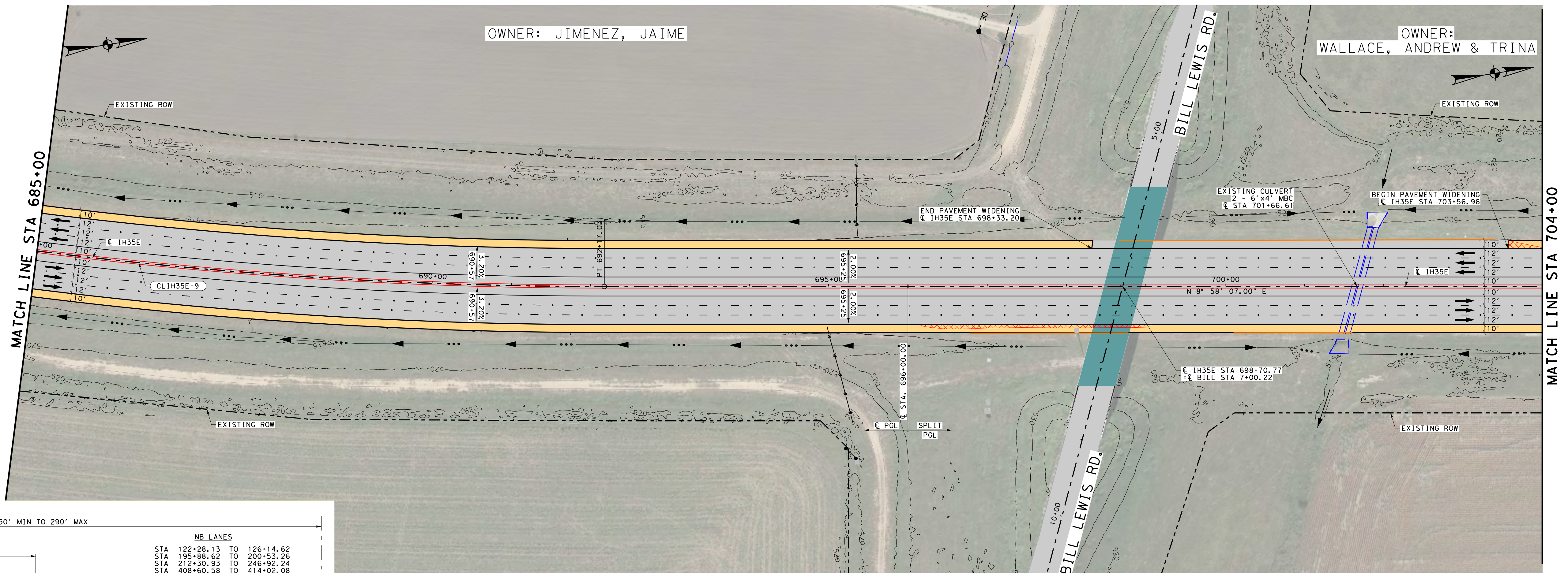
LEGEND

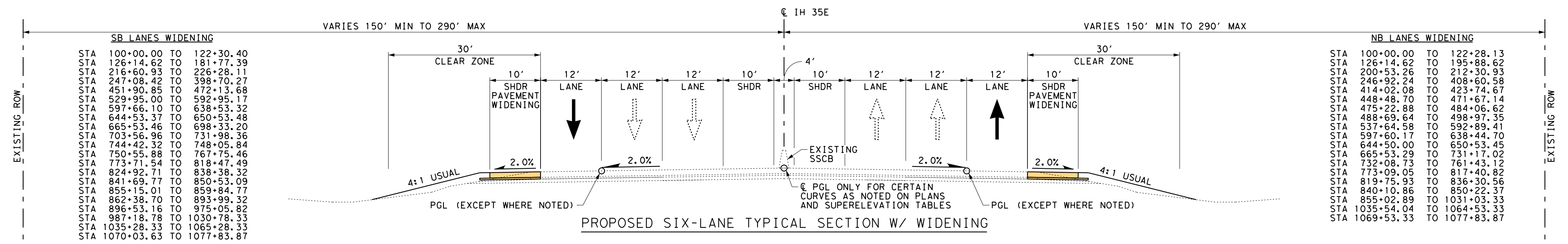
CLIH35E-1	CURVE NUMBER
→	DIRECTION OF TRAFFIC
— - — - —	EXISTING BASELINE/CENTERLINE
— - — - —	PROPOSED BASELINE/CENTERLINE
— - - — - -	EXISTING ROW
— — — —	EXISTING PROPERTY LINE (APPROX.)
—|||—|||—	EXISING CONTROL-OF-ACCESS (COA)
— — — —	EXISTING EASEMENT
— — — —	EXISTING DRAINAGE
—— 550 ——	EXISTING CONTOURS
▨	FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
—W——W——W—	EXISTING WATER LINE
------ WW ------	EXISTING WASTEWATER LINE
—-—-—-—- G —-—-	EXISTING GAS LINE
—-—-—-—-— T —-—	EXISTING UNDERGROUND TELEPHONE LINE
·······E·······E··	EXISTING UNDERGROUND ELECTRIC LINE
——— OE ———	EXISTING OVERHEAD ELECTRIC LINE
═══	EXISTING SSCB
——•••——→	EXISTING DITCH FLOW LINE
——•••——→	PROPOSED DITCH FLOW LINE
———	PROPOSED MBGF
🟨	PROPOSED PAVEMENT
⬜	EXISTING PAVEMENT
🟩	EXISTING BRIDGE
▨	PAVEMENT REMOVAL

NOTES

1. EXISTING TOPOGRAPHICAL INFORMATION FROM FIELD AND AERIAL SURVEYS CONDUCTED IN JULY-AUGUST 2014. DIGITAL FILES CREATED BY ARRENDONDO, ZEPEDA & BRUNZ, AND PROVIDED BY TxDOT.
2. COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM OF 1983, NORTH CENTRAL ZONE NO. 4202, NORTH AMERICAN DATUM OF 1983 (NAD83) AS DETERMINED BY GPS USING THE TXDOT VRS NETWORK, GEOID12A MODEL USING A GRID-TO-SURFACE CONVERSION FACTOR OF 1.000072449 (ELLIS COUNTY). ELEVATIONS ARE BASED ON NAVD 1988 BY TXDOT GPS VRS OBSERVATIONS.







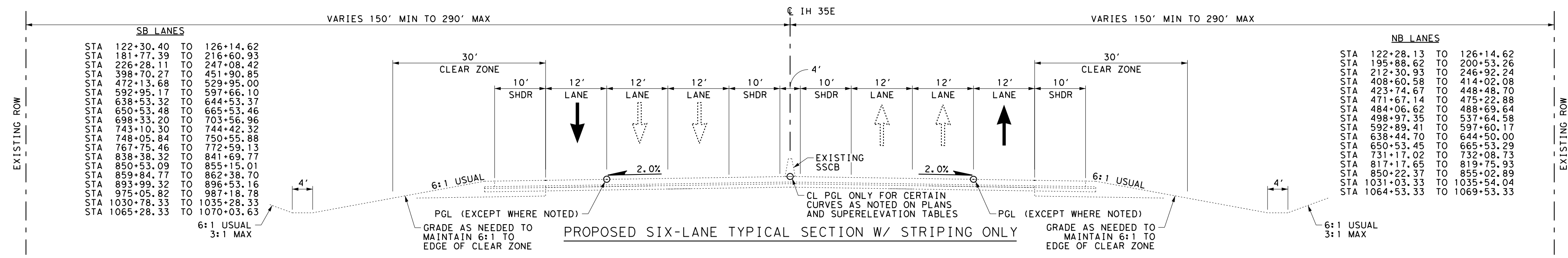
SB LANES WIDENING

STA 100+00.00 TO 122+30.40
STA 126+14.62 TO 181+77.39
STA 216+60.93 TO 226+28.11
STA 247+08.42 TO 398+70.27
STA 451+90.85 TO 472+13.68
STA 529+95.00 TO 592+95.17
STA 597+66.10 TO 638+53.32
STA 644+53.37 TO 650+53.48
STA 665+53.46 TO 698+33.20
STA 703+56.96 TO 731+98.36
STA 744+42.32 TO 748+05.84
STA 750+55.88 TO 767+75.46
STA 773+71.54 TO 818+47.49
STA 824+92.71 TO 838+38.32
STA 841+69.77 TO 850+53.09
STA 855+15.01 TO 859+84.77
STA 862+38.70 TO 893+99.32
STA 896+53.16 TO 975+05.82
STA 987+18.78 TO 1030+78.33
STA 1035+28.33 TO 1065+28.33
STA 1070+03.63 TO 1077+83.87

NB LANES WIDENING

STA 100+00.00 TO 122+28.13
STA 126+14.62 TO 195+88.62
STA 200+53.26 TO 212+30.93
STA 246+92.24 TO 408+60.58
STA 414+02.08 TO 423+74.67
STA 448+48.70 TO 471+67.14
STA 475+22.88 TO 484+06.62
STA 488+69.64 TO 498+97.35
STA 537+64.58 TO 592+89.41
STA 597+60.17 TO 638+44.70
STA 644+50.00 TO 650+53.45
STA 665+53.29 TO 731+17.02
STA 732+08.73 TO 761+43.12
STA 773+09.05 TO 817+40.82
STA 819+75.93 TO 836+30.56
STA 840+10.86 TO 850+22.37
STA 855+02.89 TO 1031+03.33
STA 1035+54.04 TO 1064+53.33
STA 1069+53.33 TO 1077+83.87

PROPOSED SIX-LANE TYPICAL SECTION W/ WIDENING



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STA 650+53.48 TO 665+53.46
STA 698+33.20 TO 703+56.96
STA 743+10.30 TO 744+42.32
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STA 1031+03.33 TO 1035+54.04
STA 1064+53.33 TO 1069+53.33

PROPOSED SIX-LANE TYPICAL SECTION W/ STRIPING ONLY

SUPERELEVATION DATA - CURVE CLIH35E-9

STATION	PGL	CROSS SLOPE		DESCRIPTION
		LT	RT	
674+00.00	CL	2.00%	-2.00%	PGL SHIFTING FROM 36' OFFSET TO CENTERLINE
675+37.61	CL	2.00%	-2.00%	END NORMAL CROWN / BEGIN SUPERELEVATION TRANSITION
680+05.61	CL	3.20%	3.20%	END SUPERELEVATION TRANSITION / BEGIN FULL SUPER
690+57.45	CL	3.20%	3.20%	END FULL SUPER / BEGIN SUPERELEVATION TRANSITION
695+25.45	CL	2.00%	-2.00%	END SUPERELEVATION TRANSITION / BEGIN NORMAL CROWN
696+00.00	NB+SB	2.00%	-2.00%	PGL SHIFTING FROM CENTERLINE TO 36' OFFSET

NOTE: VERTICAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
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LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

SCALE: 1" = 100' HORIZONTAL
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AARON DEMARAY TAINTER 105733 6/9/2015
NAME P.E. NO. DATE

JUNE 2015
ROLL 14 OF 23

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AARON DEWAYNE TANTER 60733 6/9/2015
NAME P.E. NO. DATE

JUNE 2015
ROLL 15 OF 23

LEGEND

CURVE NUMBER	
DIRECTION OF TRAFFIC	
EXISTING BASELINE/CENTERLINE	
PROPOSED BASELINE/CENTERLINE	
EXISTING ROW	
EXISTING PROPERTY LINE (APPROX.)	
EXISTING CONTROL-OF-ACCESS (COA)	
EXISTING EASEMENT	
EXISTING DRAINAGE	
EXISTING CONTOUR	
FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS	
EXISTING WATER LINE	W
EXISTING WASTEWATER LINE	WW
EXISTING GAS LINE	G
EXISTING UNDERGROUND TELEPHONE LINE	T
EXISTING UNDERGROUND ELECTRIC LINE	UE
EXISTING OVERHEAD ELECTRIC LINE	OE
EXISTING SSCB	SSCB
EXISTING DITCH FLOW LINE	
PROPOSED DITCH FLOW LINE	
PROPOSED MBGF	
PROPOSED PAVEMENT	
EXISTING PAVEMENT	
EXISTING BRIDGE	
PAVEMENT REMOVAL	

NOTES

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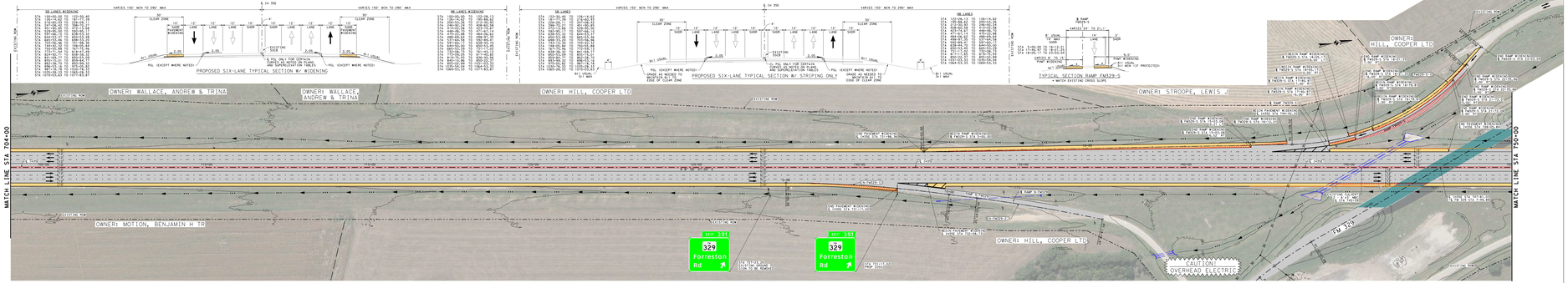

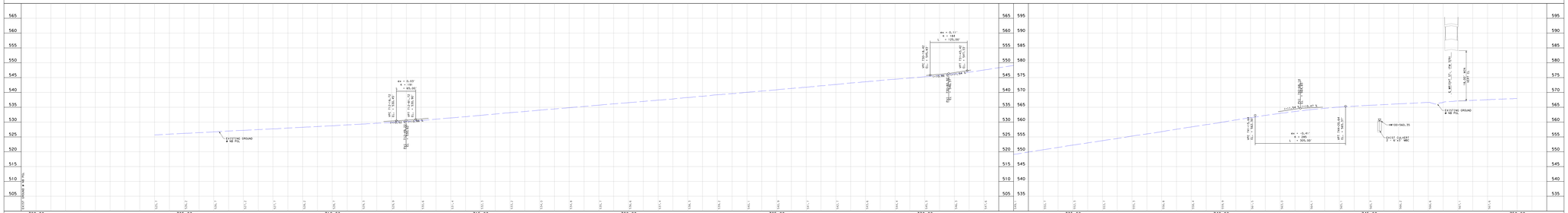

NOTE: VERTICAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.

Texas Department of Transportation

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ROLL 15 OF 23

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AARON DEWAYNE TANTER 65733 6/9/2015
NAME P.E. NO. DATE

JUNE 2015
ROLL 16 OF 23

LEGEND

329	CURVE NUMBER
	DIRECTION OF TRAFFIC
	EXISTING BASELINE/CENTERLINE
	PROPOSED BASELINE/CENTERLINE
	EXISTING ROW
	EXISTING PROPERTY LINE (APPROX.)
	EXISTING CONTROL-OF-ACCESS (COA)
	EXISTING EASEMENT
	EXISTING DRAINAGE
FPL	EXISTING FENCE
	FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
W	EXISTING WATER LINE
WW	EXISTING WASTEWATER LINE
G	EXISTING GAS LINE
T	EXISTING UNDERGROUND TELEPHONE LINE
OHT	EXISTING OVERHEAD TELEPHONE LINE
OE	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING SSCB
	EXISTING DITCH FLOW LINE
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	PROPOSED MBGF
	PROPOSED PAVEMENT
	EXISTING PAVEMENT
	EXISTING BRIDGE
	PAVEMENT REMOVAL

NOTES

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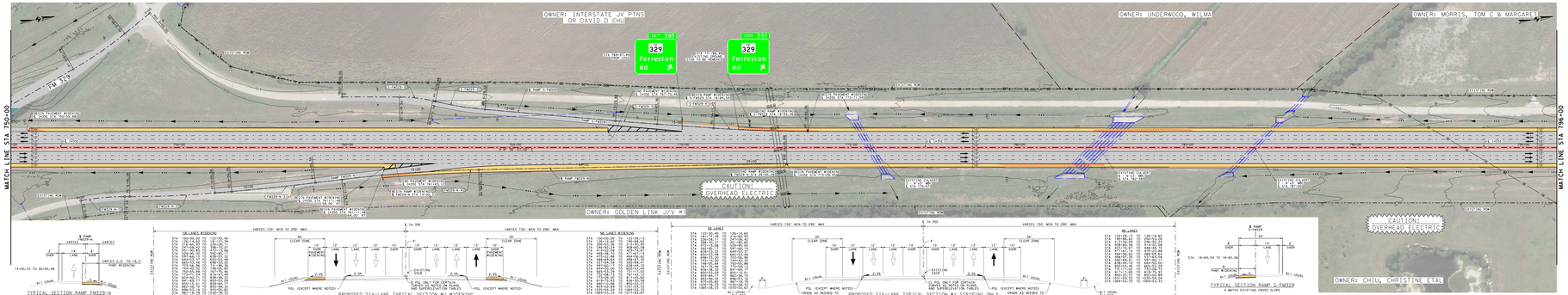
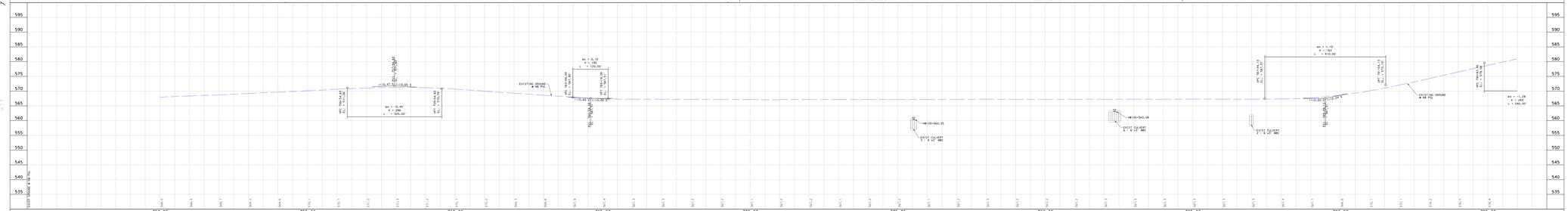
2. COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM OF 1983, NORTH CENTRAL ZONE NO. 4202, NORTH AMERICAN DATUM OF 1983 (NAD83) AS DETERMINED BY GPS OBSERVATIONS. THE SURFACE COORDINATES WERE DERIVED USING A GRID-TO-SURFACE CONVERSION FACTOR OF 1.00007249 (ELLIS COUNTY). ELEVATIONS ARE BASED ON NAVD 1988 BY TxDOT GPS VRS OBSERVATIONS.





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Texas Department of Transportation

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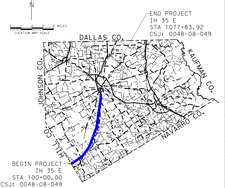

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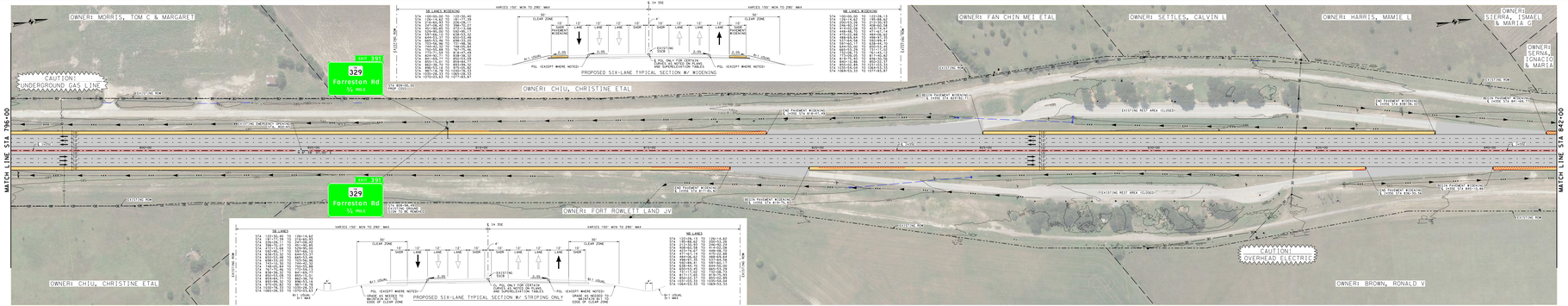

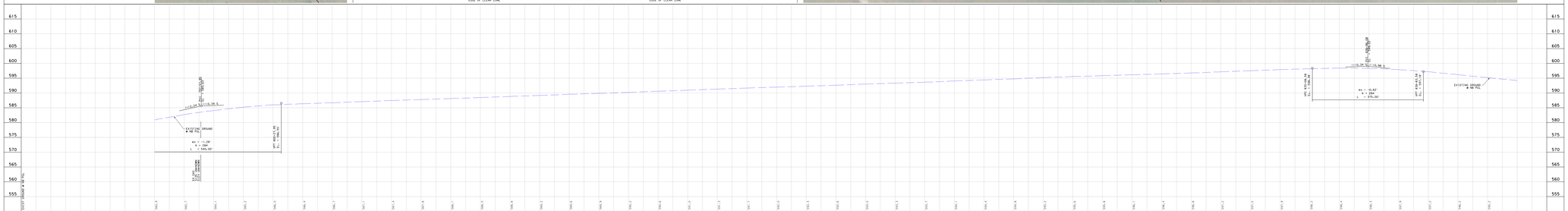

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JUNE 2015
ROLL 18 OF 23

LEGEND

CURVE NUMBER	
DIRECTION OF TRAFFIC	
EXISTING BASELINE/CENTERLINE	
PROPOSED BASELINE/CENTERLINE	
EXISTING ROW	
EXISTING PROPERTY LINE (APPROX.)	
EXISTING CONTROL-OF-ACCESS (COA)	
EXISTING EASEMENT	
EXISTING DRAINAGE	
EXISTING CULVERT	
FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS	
EXISTING WATER LINE	
EXISTING WASTEWATER LINE	
EXISTING GAS LINE	
EXISTING UNDERGROUND TELEPHONE LINE	
EXISTING UNDERGROUND ELECTRIC LINE	
EXISTING OVERHEAD ELECTRIC LINE	
EXISTING SSCB	
EXISTING DITCH FLOW LINE	
PROPOSED DITCH FLOW LINE	
PROPOSED MBGF	
PROPOSED PAVEMENT	
EXISTING PAVEMENT	
EXISTING BRIDGE	
PAVEMENT REMOVAL	

NOTES

1. EXISTING TOPOGRAPHICAL INFORMATION FROM FIELD SURVEY PERFORMED BY TEXAS DEPARTMENT OF TRANSPORTATION, DIGITAL FILES CREATED BY WARREN&GOMEZ, ZEPEDA & BRUNZ, AND PROVIDED BY TxDOT.

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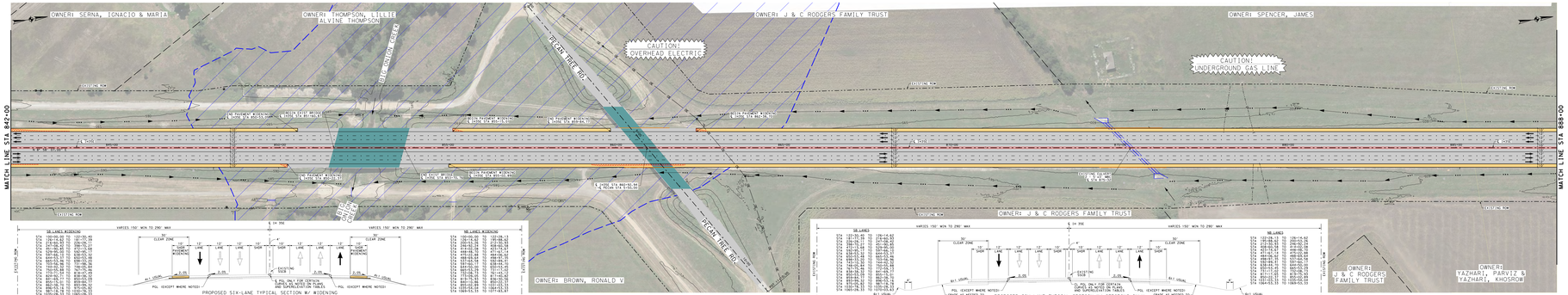
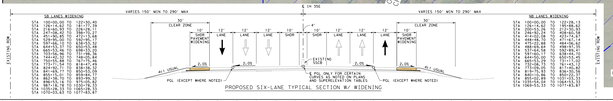
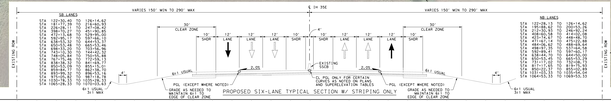
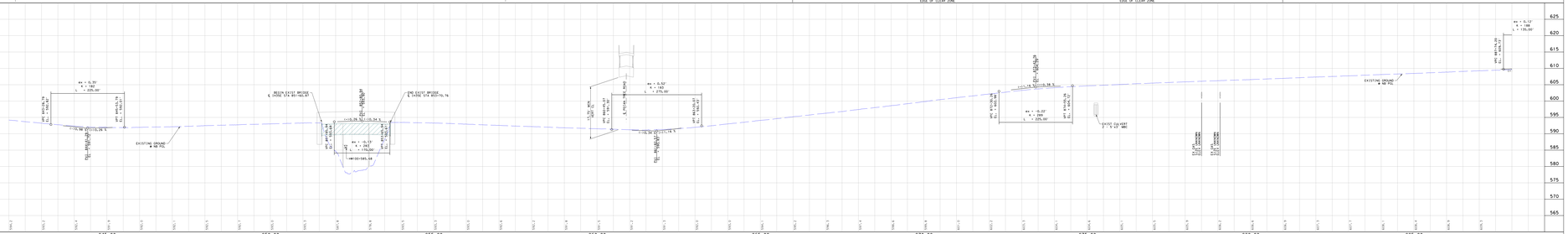




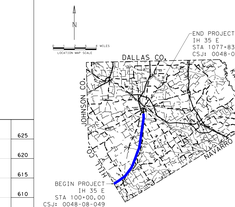




NOTE: VERTICAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
(HILL/ELLIS CO. LINE)
TO US 77 SOUTH OF WAXAHACHIE
CSJ: 0048-08-049
FUNCTIONAL CLASS: INTERSTATE
DESIGN SPEED: 70 mph FREEWAY
50 mph RAMPS
PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)



LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

50 0 50 100 200 400
SCALE: 1" = 50' HORIZONTAL
1" = 10' VERTICAL

PRELIMINARY FOR INTERIM REVIEW ONLY
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND RECEIVED THEIR PRELIMINARY RELEASE ON 6/9/2015. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

AARON DEWAYNE TANTER 60733 6/9/205
NAME P.E. NO. DATE

JUNE 2015
ROLL 18 OF 23

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Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
(HILL/ELLIS CO. LINE)
TO US 77 SOUTH OF WAXAHACHIE
CSJ: 0048-08-049
FUNCTIONAL CLASS: INTERSTATE
DESIGN SPEED: 70 mph FREEWAY
50 mph RAMPS
PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)

LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

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AARON DEWAYNE TANTER	105733	6/9/2015
NAME	P.E. NO.	DATE

JUNE 2015
ROLL 19 OF 23

LEGEND

CURVE NUMBER	CURVE NUMBER
	DIRECTION OF TRAFFIC
	EXISTING BASELINE/CENTERLINE
	PROPOSED BASELINE/CENTERLINE
	EXISTING ROW
	EXISTING PROPERTY LINE (APPROX.)
	EXISTING CONTROL-OF-ACCESS (COA)
	EXISTING EASEMENT
	EXISTING DRAINAGE
DRAINAGE	DRAINAGE
	FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
WATER	EXISTING WATER LINE
WW	EXISTING WASTEWATER LINE
GAS	EXISTING GAS LINE
	EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING UNDERGROUND ELECTRIC LINE
OE	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING SSCB
	EXISTING DITCH FLOW LINE
	PROPOSED DITCH FLOW LINE
	PROPOSED MBGF
	PROPOSED PAVEMENT
	EXISTING PAVEMENT
	EXISTING BRIDGE
	PAVEMENT REMOVAL

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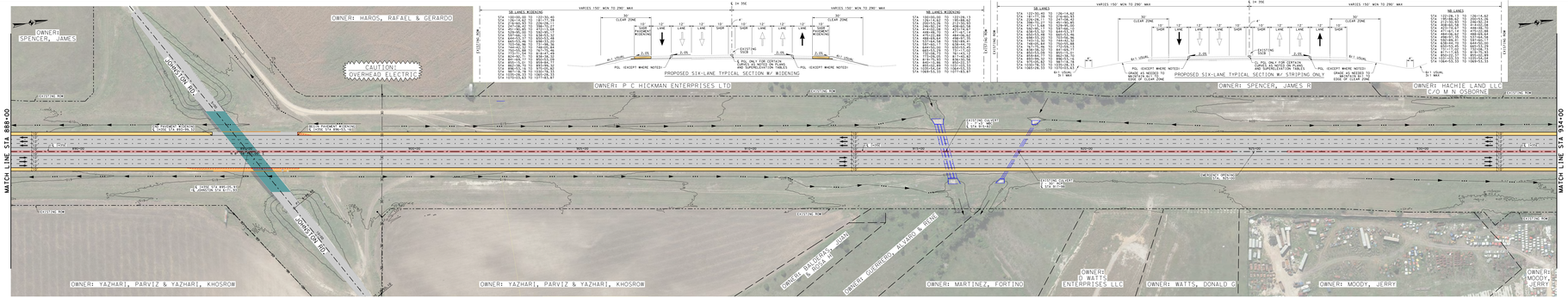

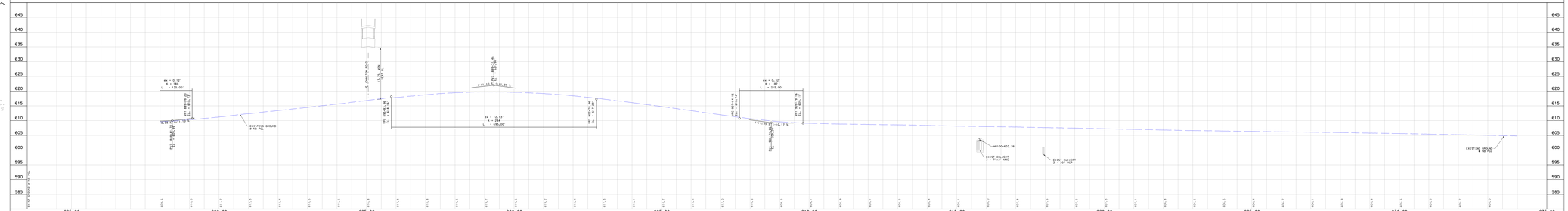

NOTE: VERTICAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
(HILL/ELLIS CO. LINE)
TO US 77 SOUTH OF WAXAHACHIE
CSJ: 0048-08-049
FUNCTIONAL CLASS: INTERSTATE
DESIGN SPEED: 70 mph FREEWAY
50 mph RAMPS
PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)

LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

SCALE: HORIZONTAL 1" = 50' VERTICAL 1" = 10'

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AARON DEWAYNE TANTER 105733 6/9/2015
NAME P.E. NO. DATE

JUNE 2015
ROLL 19 OF 23

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Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
(HILL/ELLIS CO. LINE)
TO US 77 SOUTH OF WAXAHACHIE
CSJ: 0048-08-049
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DESIGN SPEED: 70 mph FREEWAY
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PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)

LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
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AARON DEWAYNE TANTER 65733 6/9/2015
NAME P.E. NO. DATE

JUNE 2015
ROLL 20 OF 23

LEGEND

CURVE NUMBER	CURVE NUMBER
	DIRECTION OF TRAFFIC
	EXISTING BASELINE/CENTERLINE
	PROPOSED BASELINE/CENTERLINE
	EXISTING ROW
	EXISTING PROPERTY LINE (APPROX.)
	EXISTING CONTROL-OF-ACCESS (COA)
	EXISTING EASEMENT
	EXISTING DRAINAGE
	EXISTING CULVERT
	FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
	EXISTING WATER LINE
	EXISTING WASTEWATER LINE
	EXISTING GAS LINE
	EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING SSCB
	EXISTING DITCH FLOW LINE
	PROPOSED DITCH FLOW LINE
	PROPOSED MBGF
	PROPOSED PAVEMENT
	EXISTING PAVEMENT
	EXISTING BRIDGE
	PAVEMENT REMOVAL

NOTES

1. EXISTING TOPOGRAPHICAL INFORMATION FROM FIELD SURVEY PERFORMED BY BRIDGEFARMER & ASSOCIATES, AUGUST 2014. DIGITAL FILES CREATED BY WARREN/GARD, ZEPEDA & BRUNZ, AND PROVIDED BY TxDOT.

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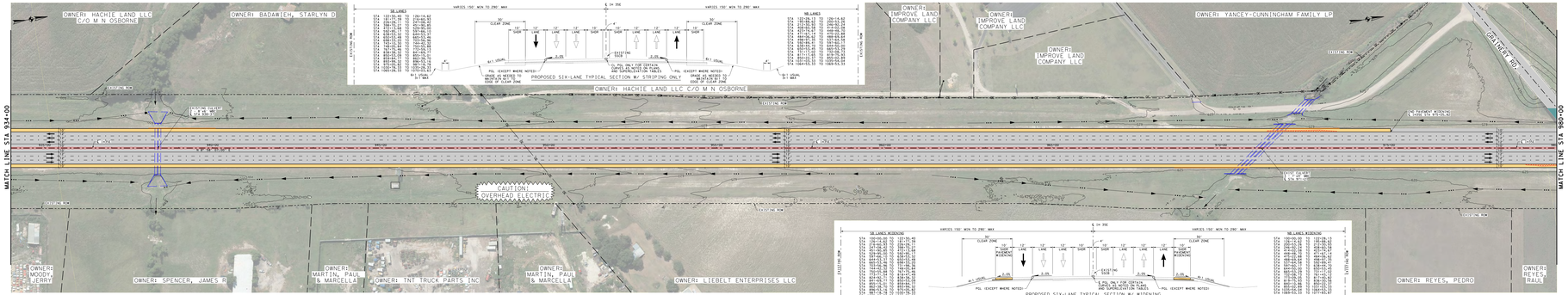

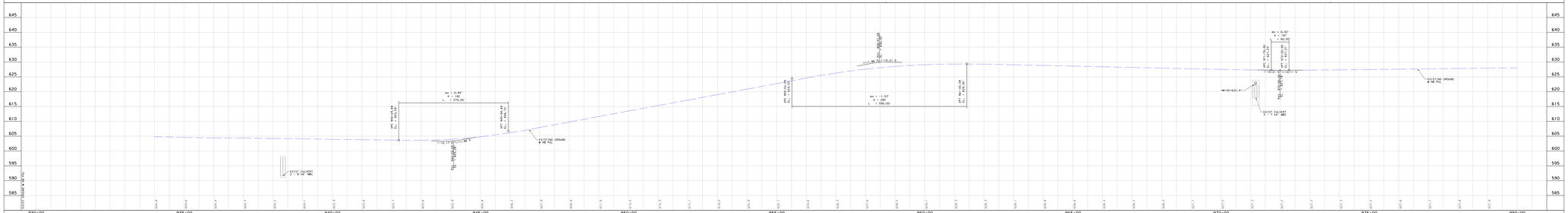

NOTE: VERTICAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
(HILL/ELLIS CO. LINE)
TO US 77 SOUTH OF WAXAHACHIE
CSJ: 0048-08-049
FUNCTIONAL CLASS: INTERSTATE
DESIGN SPEED: 70 mph FREEWAY
50 mph RAMPS
PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)

LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

SCALE: 1" = 50' HORIZONTAL, 1" = 10' VERTICAL

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AARON DEWAYNE TANTER 65733 6/9/2015
NAME P.E. NO. DATE

JUNE 2015
ROLL 20 OF 23

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Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
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AARON DEWAYNE TANTER	100733	6/9/2015
NAME	P.E. NO.	DATE

JUNE 2015
ROLL 21 OF 23

LEGEND

0123456789	CURVE NUMBER
	DIRECTION OF TRAFFIC
	EXISTING BASELINE/CENTERLINE
	PROPOSED BASELINE/CENTERLINE
	EXISTING ROW
	EXISTING PROPERTY LINE (APPROX.)
	EXISTING CONTROL-OF-ACCESS (COA)
	EXISTING EASEMENT
	EXISTING DRAINAGE
DRAIN	EXISTING DRAIN
	FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
W	EXISTING WATER LINE
WW	EXISTING WASTEWATER LINE
G	EXISTING GAS LINE
T	EXISTING UNDERGROUND TELEPHONE LINE
UE	EXISTING UNDERGROUND ELECTRIC LINE
OE	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING SSCB
	EXISTING DITCH FLOW LINE
	PROPOSED DITCH FLOW LINE
	PROPOSED MBGF
	PROPOSED PAVEMENT
	EXISTING PAVEMENT
	EXISTING BRIDGE
	PAVEMENT REMOVAL

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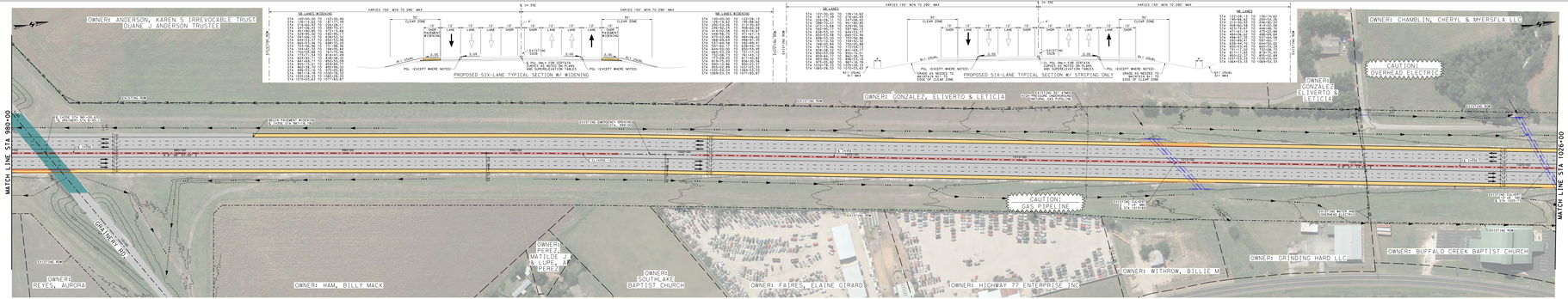
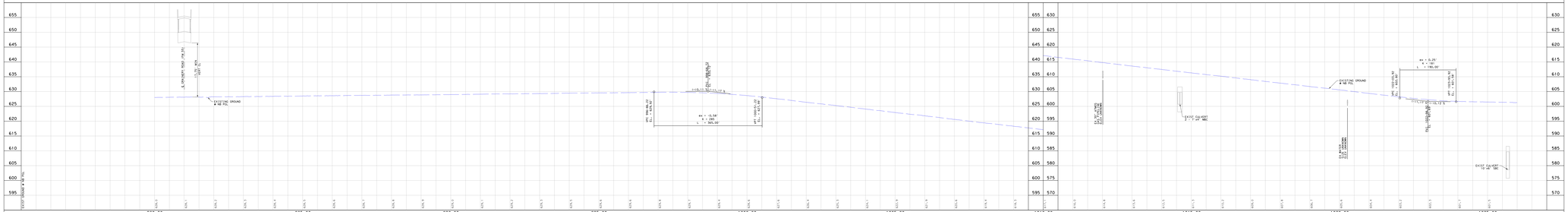
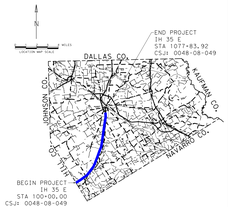




NOTE: VERTICAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
(HILL/ELLIS CO. LINE)
TO US 77 SOUTH OF WAXAHACHIE
CSJ: 0048-08-049
FUNCTIONAL CLASS: INTERSTATE
DESIGN SPEED: 70 mph FREEWAY
50 mph RAMPS
PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)



LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

SCALE: 1" = 50' HORIZONTAL, 1" = 10' VERTICAL

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AARON DEWAYNE TANTER	100733	6/9/2015
NAME	P.E. NO.	DATE

JUNE 2015
ROLL 21 OF 23

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Texas Department of Transportation

DALLAS DISTRICT

DESIGN SCHEMATIC

KELLY SELMAN, P.E., DISTRICT ENGINEER

ELLIS COUNTY

IH 35 E

PROJECT LIMIT: FROM 2 MILES S. OF FM 566

(HILL/ELLIS CO. LINE)

TO US 77 SOUTH OF WAXAHACHIE

CSJ: 0048-08-049

FUNCTIONAL CLASS: INTERSTATE

DESIGN SPEED: 70 mph FREEWAY

50 mph RAMPS

PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)

LEGEND

- CURVE NUMBER
- DIRECTION OF TRAFFIC
- EXISTING BASELINE/CENTERLINE
- PROPOSED BASELINE/CENTERLINE
- EXISTING ROW
- EXISTING PROPERTY LINE (APPROX.)
- EXISTING CONTROL-OF-ACCESS (COA)
- EXISTING EASEMENT
- EXISTING DRAINAGE
- EXISTING CULVERT
- FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
- EXISTING WATER LINE
- EXISTING WASTEWATER LINE
- EXISTING GAS LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING SSCB
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- PROPOSED PAVEMENT
- EXISTING PAVEMENT
- EXISTING BRIDGE
- PAVEMENT REMOVAL

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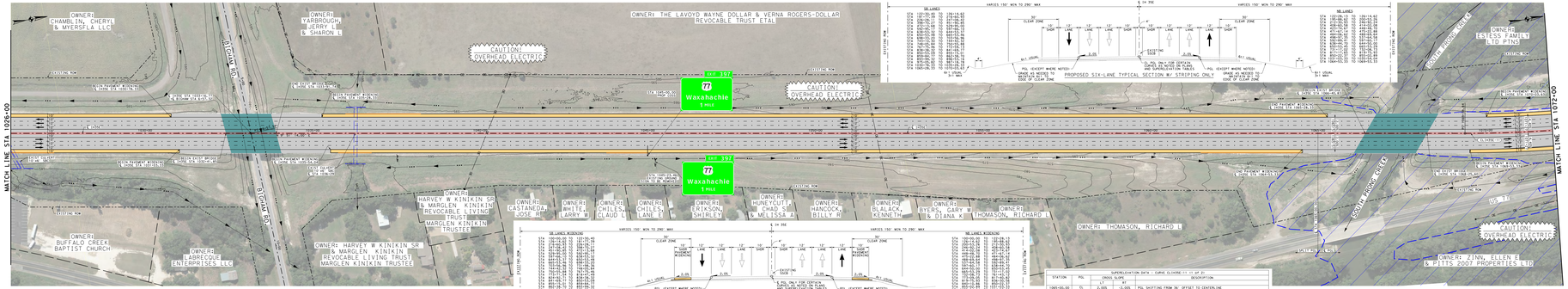
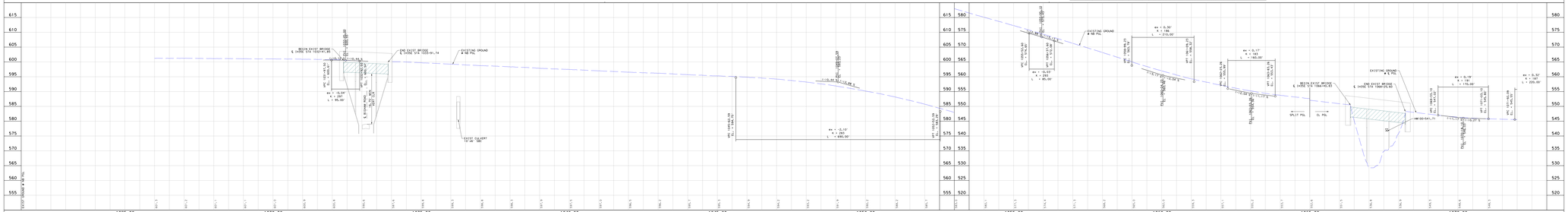


STATION	POL	CROSS SLOPE L	CROSS SLOPE R	DESCRIPTION
1065+00.00	TL	2.00%	-2.00%	POL SHIFTING FROM 36' OFFSET TO CENTERLINE
1065+01.60	TL	2.00%	-2.00%	END NORMAL CROWN / BEGIN SUPERELEVATION TRANSITION
1071+25.60	TL	4.40%	-4.40%	END SUPERELEVATION TRANSITION / BEGIN FULL SUPER



NOTE: VERTICAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.

LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

SCALE: 1" = 10' HORIZONTAL, 1" = 10' VERTICAL

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AARON DEWAYNE TANTER 65733 6/9/2015
NAME P.E. NO. DATE

JUNE 2015

ROLL 22 OF 23

Texas Department of Transportation

DALLAS DISTRICT

DESIGN SCHEMATIC

KELLY SELMAN, P.E., DISTRICT ENGINEER

ELLIS COUNTY

IH 35 E

PROJECT LIMIT: FROM 2 MILES S. OF FM 566

(HILL/ELLIS CO. LINE)

TO US 77 SOUTH OF WAXAHACHIE

CSJ: 0048-08-049

FUNCTIONAL CLASS: INTERSTATE

DESIGN SPEED: 70 mph FREEWAY

50 mph RAMPS

PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)

LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

SCALE: 1" = 10' HORIZONTAL, 1" = 10' VERTICAL

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AARON DEWAYNE TANTER 65733 6/9/2015
NAME P.E. NO. DATE

JUNE 2015

ROLL 22 OF 23

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6/9/2015 1:49:13 PM

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
(HILL/ELLIS CO. LINE)
TO US 77 SOUTH OF WAXAHACHIE
CSJ: 0048-08-049
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DESIGN SPEED: 70 mph FREEWAY
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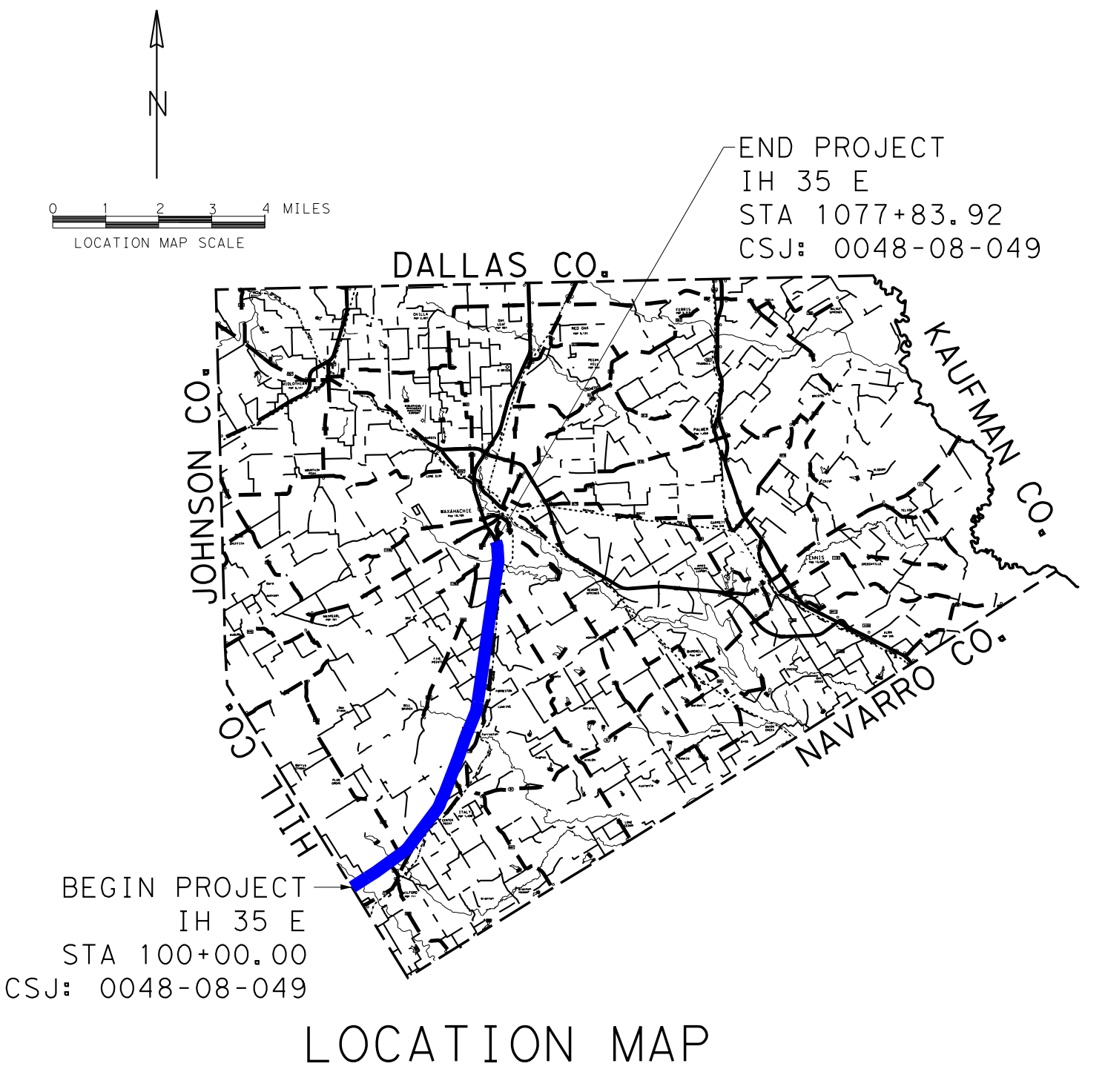

LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

50 0 50 100 200 400
SCALE: 1" = 100' HORIZONTAL
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NAME	P.E. NO.	DATE
AARON DEMARAY TAINTER	105733	6/9/2015

JUNE 2015
ROLL 23 OF 23

S:\0359\01\Dgn\Sheets\0359-SCH-PP-23.dgn

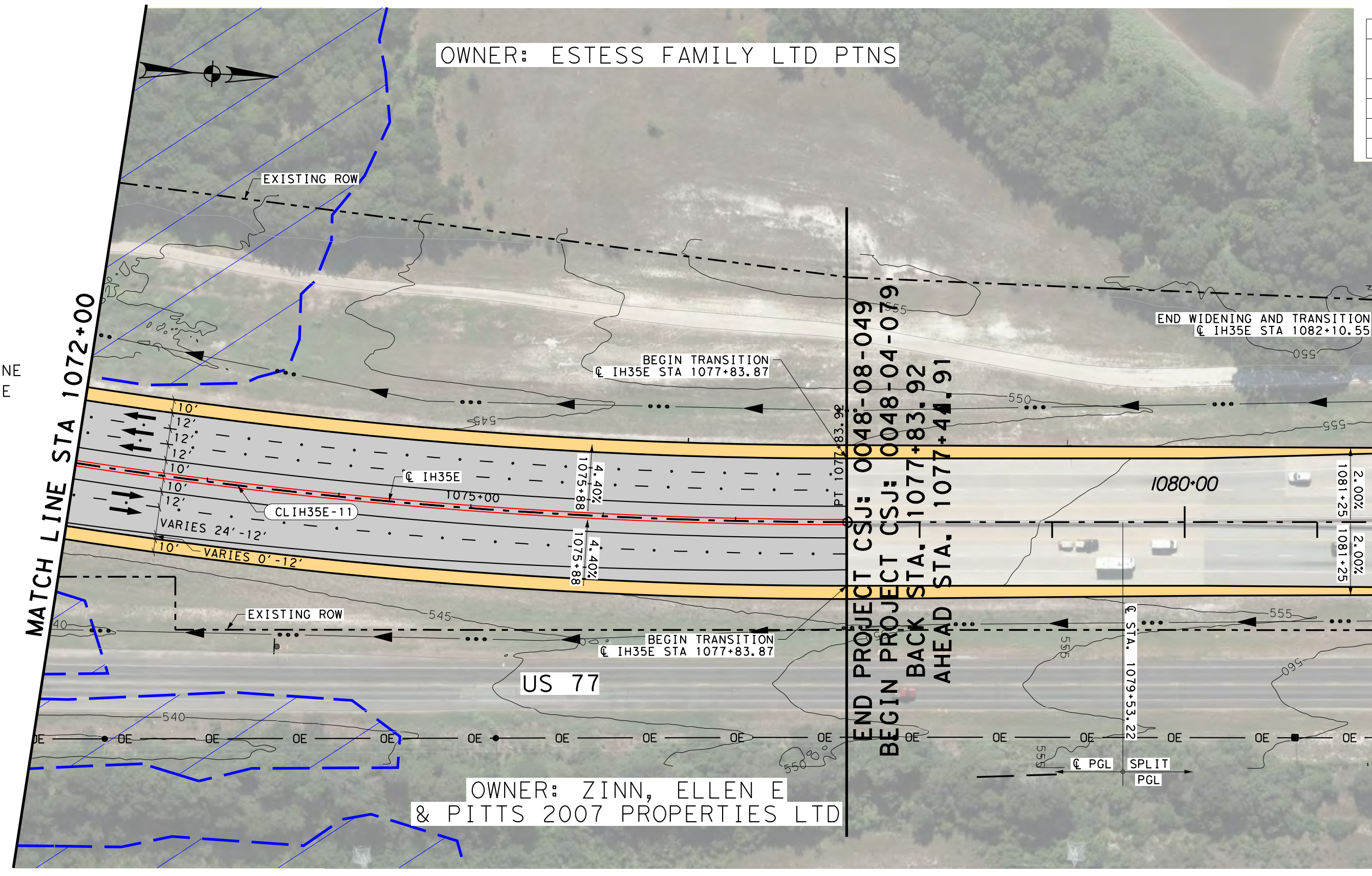
LEGEND

CLIH35E-1	CURVE NUMBER
→	DIRECTION OF TRAFFIC
— - — - —	EXISTING BASELINE/CENTERLINE
— - — - —	PROPOSED BASELINE/CENTERLINE
—-—-—-—	EXISTING ROW
— — — —	EXISTING PROPERTY LINE (APPROX.)
—III—III—	EXISING CONTROL-OF-ACCESS (COA)
— — — —	EXISTING EASEMENT
— — — —	EXISTING DRAINAGE
—— 550 ——	EXISTING CONTOURS
▨	FEMA EFFECTIVE SPECIAL FLOOD HAZARD AREAS
—W——W——W—	EXISTING WATER LINE
------ WW ------	EXISTING WASTEWATER LINE
—-—-—-— G —-—	EXISTING GAS LINE
—-—-—-— T —-—	EXISTING UNDERGROUND TELEPHONE LINE
-------E-------E--	EXISTING UNDERGROUND ELECTRIC LINE
——— OE ———	EXISTING OVERHEAD ELECTRIC LINE
═══	EXISTING SSCB
—— ••• ——▶	EXISTING DITCH FLOW LINE
—— ••• ——▶	PROPOSED DITCH FLOW LINE
———	PROPOSED MBGF
🟧	PROPOSED PAVEMENT
▬	EXISTING PAVEMENT
▬	EXISTING BRIDGE
▨	PAVEMENT REMOVAL

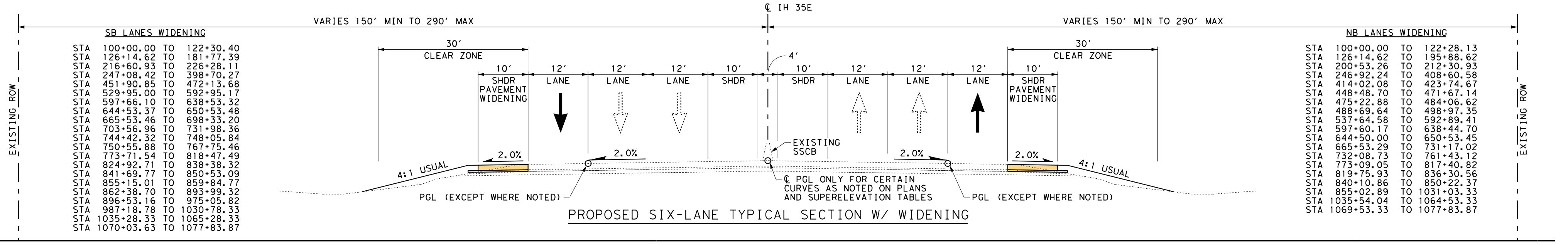
NOTES

1. EXISTING TOPOGRAPHICAL INFORMATION FROM FIELD AND AERIAL SURVEYS CONDUCTED IN JULY-AUGUST 2014. DIGITAL FILES CREATED BY ARRENDONDO, ZEPEDA & BRUNZ, AND PROVIDED BY TxDOT.

2. COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM OF 1983, NORTH CENTRAL ZONE NO. 4202, NORTH AMERICAN DATUM OF 1983 (NAD83) AS DETERMINED BY GPS USING THE TXDOT VRS NETWORK, GEOID12A MODEL USING A GRID-TO-SURFACE CONVERSION FACTOR OF 1.000072449 (ELLIS COUNTY). ELEVATIONS ARE BASED ON NAVD 1988 BY TXDOT GPS VRS OBSERVATIONS.



SUPERELEVATION DATA - CURVE CLIH35E-11 (2 of 2)				
STATION	PGL	CROSS SLOPE		DESCRIPTION
		LT	RT	
1075+88.54	CL	4.40%	4.40%	END FULL SUPER / BEGIN SUPERELEVATION TRANSITION
1077+83.92	CL	2.23%	2.23%	END OF PROJECT
1079+53.22	NB+SB	2.00%	0.20%	PGL SHIFTING FROM CENTERLINE TO 36' OFFSET
1081+25.00	NB+SB	2.00%	-2.00%	END SUPERELEVATION TRANSITION / BEGIN NORMAL CROWN



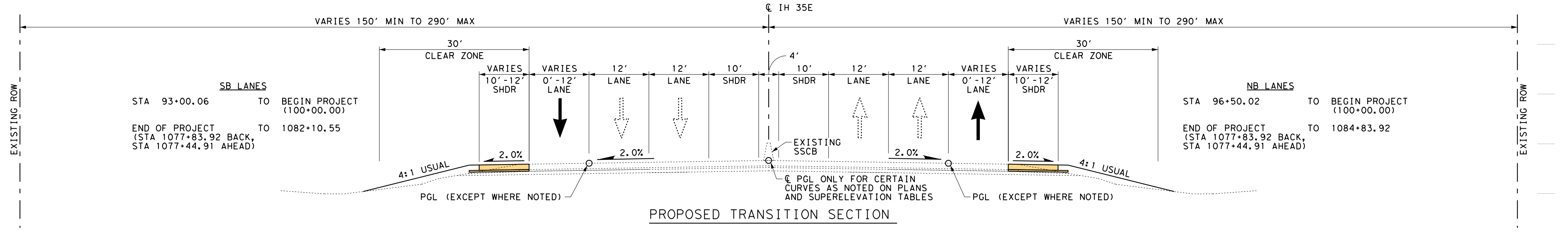
PROPOSED SIX-LANE TYPICAL SECTION W/ WIDENING

SB LANES WIDENING

STA	100+00.00	TO	122+30.40
STA	126+14.62	TO	181+77.39
STA	216+60.93	TO	226+28.11
STA	247+08.42	TO	398+70.27
STA	451+90.85	TO	472+13.68
STA	529+95.00	TO	592+95.17
STA	597+66.10	TO	638+53.32
STA	644+53.37	TO	650+53.48
STA	665+53.46	TO	698+33.20
STA	703+56.96	TO	731+98.36
STA	744+42.32	TO	748+05.84
STA	750+55.88	TO	767+75.46
STA	773+71.54	TO	818+47.49
STA	824+92.71	TO	838+38.32
STA	841+69.77	TO	850+53.09
STA	855+15.01	TO	859+84.77
STA	862+38.70	TO	893+99.32
STA	896+53.16	TO	975+05.82
STA	987+18.78	TO	1030+78.33
STA	1035+28.33	TO	1065+28.33
STA	1070+03.63	TO	1077+83.87

NB LANES WIDENING

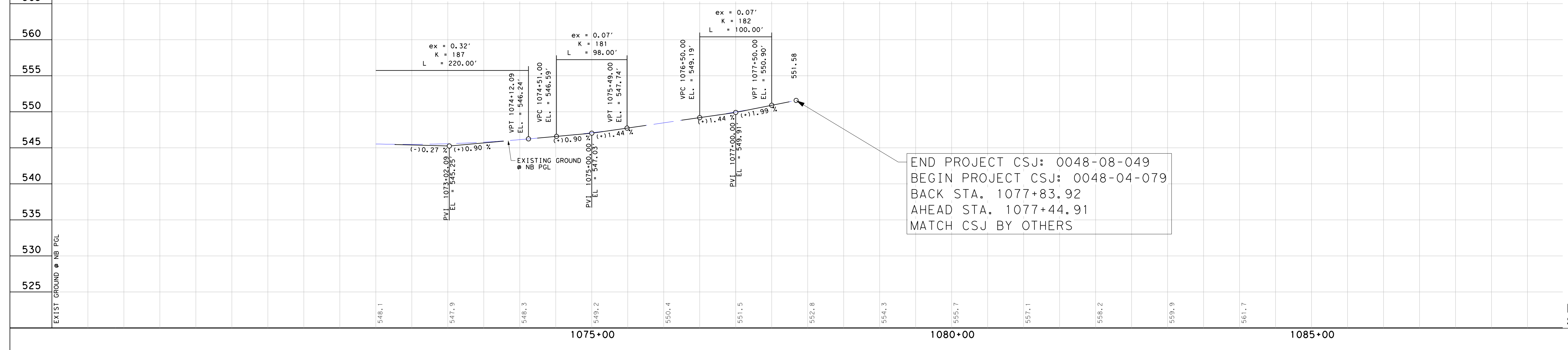
STA	100+00.00	TO	122+28.13
STA	126+14.62	TO	195+88.62
STA	200+53.26	TO	212+30.93
STA	246+92.24	TO	408+60.58
STA	414+02.08	TO	423+74.67
STA	448+48.70	TO	471+67.14
STA	475+22.88	TO	484+06.62
STA	488+69.64	TO	498+97.35
STA	537+64.58	TO	592+89.41
STA	597+60.17	TO	638+44.70
STA	644+50.00	TO	650+53.45
STA	665+53.29	TO	731+17.02
STA	732+08.73	TO	761+43.12
STA	773+09.05	TO	817+40.82
STA	819+75.93	TO	836+30.56
STA	840+10.86	TO	850+22.37
STA	855+02.89	TO	1031+03.33
STA	1035+54.04	TO	1064+53.33
STA	1069+53.33	TO	1077+83.87



SB LANES
STA 93+00.06 TO BEGIN PROJECT (100+00.00)
END OF PROJECT (STA 1077+83.92 BACK, STA 1077+44.91 AHEAD) TO 1082+10.55

NB LANES
STA 96+50.02 TO BEGIN PROJECT (100+00.00)
END OF PROJECT (STA 1077+83.92 BACK, STA 1077+44.91 AHEAD) TO 1084+83.92

PROPOSED TRANSITION SECTION



END PROJECT CSJ: 0048-08-049
BEGIN PROJECT CSJ: 0048-04-079
BACK STA. 1077+83.92
AHEAD STA. 1077+44.91
MATCH CSJ BY OTHERS

NOTE: VERTICAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.

```
Beginning chain CLIH35E description
===============================================================================

Point 2080           N    6,728,587.1900 E    2,435,828.0610 Sta       80+00.00

Course from 2080 to PC CLIH35E-1 N 58° 56' 11.84" E Dist 1,052.2925

                               Curve Data
                              *----------*
Curve CLIH35E-1
P.I.  Station           95+02.32  N     6,729,362.3660  E      2,437,114.9440
Delta       =     1° 30' 00.02" (LT)
Degree      =     0° 10' 00.00"
Tangent     =          450.0276
Length      =          900.0037
Radius      =       34,377.4815
External    =            2.9455
Long Chord  =          899.9780
Mid. Ord.   =            2.9452
P.C.  Station           90+52.29  N     6,729,130.1581  E      2,436,729.4517
P.T.  Station           99+52.30  N     6,729,604.5854  E      2,437,494.2257
C.C.                              N     6,758,577.8081  E      2,418,991.1558
Back        = N  58° 56' 11.84" E
Ahead       = N  57° 26' 11.82" E
Chord Bear  = N  58° 11' 11.83" E

Course from PT CLIH35E-1 to PC CLIH35E-2 N 57° 26' 11.82" E Dist 7,366.7515

                               Curve Data
                              *----------*
Curve CLIH35E-2
P.I.  Station          177+39.50  N     6,733,795.9090  E      2,444,057.2530
Delta       =     2° 48' 08.81" (LT)
Degree      =     0° 20' 00.00"
Tangent     =          420.4509
Length      =          840.7341
Radius      =       17,188.7300
External    =            5.1415
Long Chord  =          840.6503
Mid. Ord.   =            5.1400
P.C.  Station          173+19.05  N     6,733,569.6088  E      2,443,702.8984
P.T.  Station          181+59.78  N     6,734,039.2639  E      2,444,400.1194
C.C.                              N     6,748,056.2111  E      2,434,451.3693
Back        = N  57° 26' 11.82" E
Ahead       = N  54° 38' 03.01" E
Chord Bear  = N  56° 02' 07.42" E

Course from PT CLIH35E-2 to PC CLIH35E-3 N 54° 38' 03.01" E Dist 8,587.4625

                               Curve Data
                              *----------*
Curve CLIH35E-3
P.I.  Station          276+13.59  N     6,739,511.0790  E      2,452,109.4440
Delta       =    17° 11' 47.74" (LT)
Degree      =     1° 00' 00.00"
Tangent     =          866.3434
Length      =        1,719.6602
Radius      =        5,729.5800
External    =           65.1277
Long Chord  =        1,713.2128
Mid. Ord.   =           64.3958
P.C.  Station          267+47.24  N     6,739,009.6438  E      2,451,402.9642
P.T.  Station          284+66.90  N     6,740,198.9696  E      2,452,636.0913
C.C.                              N     6,743,681.9623  E      2,448,086.7123
Back        = N  54° 38' 03.01" E
Ahead       = N  37° 26' 15.27" E
Chord Bear  = N  46° 02' 09.14" E

Course from PT CLIH35E-3 to PC CLIH35E-4 N 37° 26' 15.27" E Dist 11,987.7990

                               Curve Data
                              *----------*
Curve CLIH35E-4
P.I.  Station          412+45.20  N     6,750,345.1430  E      2,460,403.9750
Delta       =    15° 42' 38.71" (LT)
Degree      =     1° 00' 00.00"
Tangent     =          790.4971
Length      =        1,571.0759
Radius      =        5,729.5800
External    =           54.2745
Long Chord  =        1,566.1586
Mid. Ord.   =           53.7652
P.C.  Station          404+54.70  N     6,749,717.4755  E      2,459,923.4344
P.T.  Station          420+25.78  N     6,751,079.4827  E      2,460,696.6025
C.C.                              N     6,753,200.4681  E      2,455,374.0554
Back        = N  37° 26' 15.27" E
Ahead       = N  21° 43' 36.55" E
Chord Bear  = N  29° 34' 55.91" E

Course from PT CLIH35E-4 to PC CLIH35E-5 N 21° 43' 36.55" E Dist 688.9269

                               Curve Data
                              *----------*
Curve CLIH35E-5
P.I.  Station          432+15.03  N     6,752,184.2450  E      2,461,136.8400
Delta       =     5° 00' 00.09" (RT)
Degree      =     0° 30' 00.00"
Tangent     =          500.3202
Length      =        1,000.0053
Radius      =       11,459.1600
External    =           10.9171
Long Chord  =          999.6880
Mid. Ord.   =           10.9067
P.C.  Station          427+14.71  N     6,751,719.4679  E      2,460,951.6306
P.T.  Station          437+14.71  N     6,752,631.1114  E      2,461,361.8528
C.C.                              N     6,747,477.4971  E      2,471,596.7249
Back        = N  21° 43' 36.55" E
Ahead       = N  26° 43' 36.64" E
Chord Bear  = N  24° 13' 36.60" E

Course from PT CLIH35E-5 to PC CLIH35E-6 N 26° 43' 36.64" E Dist 835.1952

                               Curve Data
                              *----------*
Curve CLIH35E-6
P.I.  Station          450+50.23  N     6,753,823.9410  E      2,461,962.4840
Delta       =     5° 00' 00.07" (LT)
Degree      =     0° 30' 00.00"
Tangent     =          500.3198
Length      =        1,000.0045
Radius      =       11,459.1600
External    =           10.9171
Long Chord  =          999.6872
Mid. Ord.   =           10.9067
P.C.  Station          445+49.91  N     6,753,377.0750  E      2,461,737.4714
P.T.  Station          455+49.91  N     6,754,288.7178  E      2,462,147.6932
C.C.                              N     6,758,530.6893  E      2,451,502.5993
Back        = N  26° 43' 36.64" E
Ahead       = N  21° 43' 36.57" E
Chord Bear  = N  24° 13' 36.61" E

Course from PT CLIH35E-6 to PC CLIH35E-7 N 21° 43' 36.57" E Dist 11,588.1971

                               Curve Data
                              *----------*
Curve CLIH35E-7
P.I.  Station          575+41.37  N     6,765,428.2930  E      2,466,586.7110
Delta       =     2° 41' 16.44" (LT)
Degree      =     0° 20' 00.00"
Tangent     =          403.2588
Length      =          806.3698
Radius      =       17,188.7300
External    =            4.7297
Long Chord  =          806.2958
Mid. Ord.   =            4.7284
P.C.  Station          571+38.11  N     6,765,053.6819  E      2,466,437.4319
P.T.  Station          579+44.48  N     6,765,809.4924  E      2,466,718.2582
C.C.                              N     6,771,416.6355  E      2,450,469.8003
Back        = N  21° 43' 36.57" E
Ahead       = N  19° 02' 20.13" E
Chord Bear  = N  20° 22' 58.35" E

Course from PT CLIH35E-7 to PC CLIH35E-8 N 19° 02' 20.13" E Dist 1,898.8201

                               Curve Data
                              *----------*
Curve CLIH35E-8
P.I.  Station          602+00.26  N     6,767,941.8784  E      2,467,454.1184
Delta       =     3° 34' 06.53" (RT)
Degree      =     0° 30' 00.00"
Tangent     =          356.9636
Length      =          713.6963
Radius      =       11,459.1600
External    =            5.5585
Long Chord  =          713.5810
Mid. Ord.   =            5.5558
P.C.  Station          598+43.30  N     6,767,604.4418  E      2,467,337.6732
P.T.  Station          605+56.99  N     6,768,271.4131  E      2,467,591.3404
C.C.                              N     6,763,866.3442  E      2,478,169.9848
Back        = N  19° 02' 20.13" E
Ahead       = N  22° 36' 26.66" E
Chord Bear  = N  20° 49' 23.39" E

Course from PT CLIH35E-8 to PC CLIH35E-9 N 22° 36' 26.66" E Dist 7,295.6528

                               Curve Data
                              *----------*
Curve CLIH35E-9
P.I.  Station          685+38.08  N     6,775,639.2361  E      2,470,659.3865
Delta       =    13° 38' 19.66" (LT)
Degree      =     0° 59' 58.66"
Tangent     =          685.4324
Length      =        1,364.3854
Radius      =        5,731.7037
External    =           40.8386
Long Chord  =        1,361.1664
Mid. Ord.   =           40.5497
P.C.  Station          678+52.65  N     6,775,006.4719  E      2,470,395.8962
P.T.  Station          692+17.03  N     6,776,316.2883  E      2,470,766.2408
C.C.                              N     6,777,209.8227  E      2,465,104.6135
Back        = N  22° 36' 26.66" E
Ahead       = N   8° 58' 07.00" E
Chord Bear  = N  15° 47' 16.83" E

Course from PT CLIH35E-9 to PC CLIH35E-10 N 8° 58' 07.00" E Dist 30,196.2953

                               Curve Data
                              *----------*
Curve CLIH35E-10
P.I.  Station          996+79.74  N     6,806,406.5552  E      2,475,515.1742
Delta       =     0° 53' 07.00" (RT)
Degree      =     0° 09' 58.15"
Tangent     =          266.4120
Length      =          532.8134
Radius      =       34,484.0437
External    =            1.0291
Long Chord  =          532.8081
Mid. Ord.   =            1.0291
P.C.  Station          994+13.33  N     6,806,143.4004  E      2,475,473.6423
P.T.  Station          999+46.14  N     6,806,669.0370  E      2,475,560.7669
C.C.                              N     6,800,767.5674  E      2,509,536.0804
Back        = N   8° 58' 07.00" E
Ahead       = N   9° 51' 14.00" E
Chord Bear  = N   9° 24' 40.50" E

Course from PT CLIH35E-10 to PC CLIH35E-11 N 9° 51' 14.00" E Dist 6,992.7003

                               Curve Data
                              *----------*
Curve CLIH35E-11
P.I.  Station         1073+63.11  N     6,813,976.5889  E      2,476,830.0796
Delta       =    12° 40' 25.00" (LT)
Degree      =     1° 29' 58.90"
Tangent     =          424.2715
Length      =          845.0803
Radius      =        3,820.5003
External    =           23.4858
Long Chord  =          843.3585
Mid. Ord.   =           23.3423
P.C.  Station         1069+38.84  N     6,813,558.5766  E      2,476,757.4714
P.T.  Station         1077+83.92  N     6,814,400.3467  E      2,476,809.2082
C.C.                              N     6,814,212.4026  E      2,472,993.3335
Back        = N   9° 51' 14.00" E
Ahead       = N   2° 49' 11.00" W
Chord Bear  = N   3° 31' 01.50" E

Course from PT CLIH35E-11 to 2081 N 2° 49' 11.00" W Dist 1,719.4129

Point 2081           N    6,816,117.6778 E    2,476,724.6241 Sta     1095+03.34

===============================================================================
Ending chain CLIH35E description
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Beginning chain N-FM566 description
===============================================================================

                               Curve Data
                              *----------*
Curve N-FM566-1
P.I.  Station             6+74.60  N     6,734,897.0410  E      2,445,691.5858
Delta       =     4° 00' 00.00" (RT)
Degree      =     1° 08' 45.30"
Tangent     =          174.6038
Length      =          349.0659
Radius      =        5,000.0000
External    =            3.0477
Long Chord  =          348.9950
Mid. Ord.   =            3.0459
P.C.  Station             5+00.00  N     6,734,795.9812  E      2,445,549.2010
P.T.  Station             8+49.07  N     6,734,987.9224  E      2,445,840.6732
C.C.                               N     6,730,718.6156  E      2,448,443.1758
Back        = N  54° 38' 03.01" E
Ahead       = N  58° 38' 03.01" E
Chord Bear  = N  56° 38' 03.01" E

Course from PT N-FM566-1 to 3011 N 58° 38' 03.01" E Dist 168.9616

Point 3011           N    6,735,075.8670 E    2,445,984.9430 Sta       10+18.03

Course from 3011 to 3012 N 31° 21' 57.35" W Dist 14.0000

Point 3012           N    6,735,087.8210 E    2,445,977.6560 Sta       10+32.03

Course from 3012 to PC N-FM566-2 N 58° 38' 03.27" E Dist 531.7085

                               Curve Data
                              *----------*
Curve N-FM566-2
P.I.  Station            16+48.49  N     6,735,408.6869  E      2,446,504.0259
Delta       =    16° 49' 39.97" (RT)
Degree      =     9° 59' 59.86"
Tangent     =           84.7493
Length      =          168.2783
Radius      =          572.9600
External    =            6.2339
Long Chord  =          167.6742
Mid. Ord.   =            6.1668
P.C.  Station            15+63.74  N     6,735,364.5750  E      2,446,431.6617
P.T.  Station            17+32.01  N     6,735,429.9608  E      2,446,586.0616
C.C.                               N     6,734,875.3462  E      2,446,729.8871
Back        = N  58° 38' 03.27" E
Ahead       = N  75° 27' 43.24" E
Chord Bear  = N  67° 02' 53.25" E

                               Curve Data
                              *----------*
Curve N-FM566-3
P.I.  Station            17+68.77  N     6,735,439.1861  E      2,446,621.6357
Delta       =    20° 49' 27.36" (LT)
Degree      =    28° 38' 51.88"
Tangent     =           36.7508
Length      =           72.6908
Radius      =          200.0010
External    =            3.3485
Long Chord  =           72.2913
Mid. Ord.   =            3.2934
P.C.  Station            17+32.01  N     6,735,429.9608  E      2,446,586.0616
P.T.  Station            18+04.71  N     6,735,460.4554  E      2,446,651.6063
C.C.                               N     6,735,623.5581  E      2,446,535.8569
Back        = N  75° 27' 43.24" E
Ahead       = N  54° 38' 15.88" E
Chord Bear  = N  65° 02' 59.56" E

===============================================================================
Ending chain N-FM566 description
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Beginning chain FM566-S description
===============================================================================

Point 3000           N    6,734,058.6978 E    2,444,344.5106 Sta        5+00.00

Course from 3000 to PC FM566-S-1 N 53° 29' 18.26" E Dist 1,048.5137

                               Curve Data
                              *----------*
Curve FM566-S-1
P.I.  Station            16+48.32  N     6,734,741.9340  E      2,445,267.4607
Delta       =     5° 14' 22.27" (LT)
Degree      =     2° 37' 35.63"
Tangent     =           99.8105
Length      =          199.4819
Radius      =        2,181.3975
External    =            2.2822
Long Chord  =          199.4124
Mid. Ord.   =            2.2799
P.C.  Station            15+48.51  N     6,734,682.5482  E      2,445,187.2394
P.T.  Station            17+48.00  N     6,734,808.3974  E      2,445,341.9238
C.C.                               N     6,736,435.8169  E      2,443,889.3397
Back        = N  53° 29' 18.26" E
Ahead       = N  48° 14' 56.00" E
Chord Bear  = N  50° 52' 07.13" E

Course from PT FM566-S-1 to PC FM566-S-2 N 49° 02' 05.67" E Dist 653.1883

                               Curve Data
                              *----------*
Curve FM566-S-2
P.I.  Station            26+72.77  N     6,735,414.6783  E      2,446,040.2290
Delta       =     5° 25' 39.52" (RT)
Degree      =     1° 00' 00.00"
Tangent     =          271.5855
Length      =          542.7647
Radius      =        5,729.5800
External    =            6.4330
Long Chord  =          542.5618
Mid. Ord.   =            6.4258
P.C.  Station            24+01.18  N     6,735,236.6271  E      2,445,835.1523
P.T.  Station            29+43.95  N     6,735,572.5332  E      2,446,261.2278
C.C.                               N     6,730,910.1687  E      2,449,591.4597
Back        = N  49° 02' 05.67" E
Ahead       = N  54° 27' 45.20" E
Chord Bear  = N  51° 44' 55.43" E

Course from PT FM566-S-2 to 3001 N 54° 27' 45.20" E Dist 99.9970

Point 3001           N    6,735,630.6550 E    2,446,342.5990 Sta       30+43.95

===============================================================================
Ending chain FM566-S description
```

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Beginning chain FM566-N description
===============================================================================

                               Curve Data
                              *----------*
Curve FM566-N-1
P.I.  Station             5+30.16  N     6,736,056.1420  E      2,447,490.9490
Delta       =    17° 09' 03.65" (LT)
Degree      =    28° 38' 52.40"
Tangent     =           30.1597
Length      =           59.8683
Radius      =          200.0000
External    =            2.2612
Long Chord  =           59.6451
Mid. Ord.   =            2.2360
P.C.  Station             5+00.00  N     6,736,038.6868  E      2,447,466.3537
P.T.  Station             5+59.87  N     6,736,080.0738  E      2,447,509.3031
C.C.                               N     6,736,201.7867  E      2,447,350.6022
Back        = N  54° 38' 12.45" E
Ahead       = N  37° 29' 08.80" E
Chord Bear  = N  46° 03' 40.62" E

                               Curve Data
                              *----------*
Curve FM566-N-2
P.I.  Station             6+29.48  N     6,736,135.3092  E      2,447,551.6649
Delta       =    13° 51' 14.09" (RT)
Degree      =     9° 59' 59.82"
Tangent     =           69.6094
Length      =          138.5398
Radius      =          572.9606
External    =            4.2130
Long Chord  =          138.2026
Mid. Ord.   =            4.1822
P.C.  Station             5+59.87  N     6,736,080.0738  E      2,447,509.3031
P.T.  Station             6+98.41  N     6,736,178.7943  E      2,447,606.0203
C.C.                               N     6,735,731.3904  E      2,447,963.9499
Back        = N  37° 29' 08.80" E
Ahead       = N  51° 20' 22.89" E
Chord Bear  = N  44° 24' 45.84" E

Course from PT FM566-N-2 to 3021 N 51° 20' 22.89" E Dist 762.7361

Point 3021           N    6,736,655.2770 E    2,448,201.6130 Sta       14+61.14

Course from 3021 to 3022 S 38° 39' 39.91" E Dist 14.0000

Point 3022           N    6,736,644.3450 E    2,448,210.3590 Sta       14+75.14

Course from 3022 to PC FM566-N-3 N 51° 20' 22.24" E Dist 110.2524

                               Curve Data
                              *----------*
Curve FM566-N-3
P.I.  Station            16+58.17  N     6,736,758.6828  E      2,448,353.2780
Delta       =     2° 08' 55.57" (RT)
Degree      =     1° 28' 35.35"
Tangent     =           72.7749
Length      =          145.5326
Radius      =        3,880.5497
External    =            0.6823
Long Chord  =          145.5241
Mid. Ord.   =            0.6822
P.C.  Station            15+85.40  N     6,736,713.2202  E      2,448,296.4509
P.T.  Station            17+30.93  N     6,736,801.9828  E      2,448,411.7698
C.C.                               N     6,733,683.0434  E      2,450,720.6403
Back        = N  51° 20' 22.69" E
Ahead       = N  53° 29' 18.26" E
Chord Bear  = N  52° 24' 50.48" E

Course from PT FM566-N-3 to 3023 N 53° 29' 18.26" E Dist 1,050.2100

Point 3023           N    6,737,426.8424 E    2,449,255.8619 Sta       27+81.14

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Ending chain FM566-N description
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Beginning chain S-FM566 description
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                               Curve Data
                              *----------*
Curve S-FM566-1
P.I.  Station             5+38.09  N     6,736,240.6490  E      2,447,224.1240
Delta       =    21° 33' 49.82" (RT)
Degree      =    28° 38' 52.40"
Tangent     =           38.0866
Length      =           75.2720
Radius      =          200.0000
External    =            3.5942
Long Chord  =           74.8285
Mid. Ord.   =            3.5307
P.C.  Station             5+00.00  N     6,736,218.5117  E      2,447,193.1316
P.T.  Station             5+75.27  N     6,736,249.8460  E      2,447,261.0835
C.C.                               N     6,736,055.7647  E      2,447,309.3788
Back        = N  54° 27' 44.92" E
Ahead       = N  76° 01' 34.74" E
Chord Bear  = N  65° 14' 39.83" E

                               Curve Data
                              *----------*
Curve S-FM566-2
P.I.  Station             6+62.91  N     6,736,271.0077  E      2,447,346.1247
Delta       =    17° 23' 31.36" (LT)
Degree      =     9° 59' 59.84"
Tangent     =           87.6345
Length      =          173.9212
Radius      =          572.9603
External    =            6.6631
Long Chord  =          173.2542
Mid. Ord.   =            6.5865
P.C.  Station             5+75.27  N     6,736,249.8460  E      2,447,261.0835
P.T.  Station             7+49.19  N     6,736,316.6214  E      2,447,420.9525
C.C.                               N     6,736,805.8505  E      2,447,122.7273
Back        = N  76° 01' 34.74" E
Ahead       = N  58° 38' 03.38" E
Chord Bear  = N  67° 19' 49.06" E

Course from PT S-FM566-2 to 3031 N 58° 38' 03.38" E Dist 726.5252

Point 3031           N    6,736,694.7770 E    2,448,041.3050 Sta       14+75.72

Course from 3031 to 3032 N 31° 21' 57.35" W Dist 13.9999

Point 3032           N    6,736,706.7310 E    2,448,034.0180 Sta       14+89.72

Course from 3032 to PC S-FM566-3 N 58° 38' 02.75" E Dist 168.9664

                               Curve Data
                              *----------*
Curve S-FM566-3
P.I.  Station            18+33.29  N     6,736,885.5582  E      2,448,327.3764
Delta       =     3° 59' 59.74" (LT)
Degree      =     1° 08' 45.30"
Tangent     =          174.6006
Length      =          349.0595
Radius      =        5,000.0000
External    =            3.0476
Long Chord  =          348.9886
Mid. Ord.   =            3.0458
P.C.  Station            16+58.68  N     6,736,794.6783  E      2,448,178.2918
P.T.  Station            20+07.74  N     6,736,986.6162  E      2,448,469.7585
C.C.                               N     6,741,063.9817  E      2,445,575.7838
Back        = N  58° 38' 02.75" E
Ahead       = N  54° 38' 03.01" E
Chord Bear  = N  56° 38' 02.88" E

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Ending chain S-FM566 description
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Beginning chain N-SH34 description
===============================================================================

                               Curve Data
                              *----------*
Curve N-SH34-1
P.I.  Station             6+75.29  N     6,757,036.6735  E      2,463,294.3989
Delta       =     4° 00' 56.60" (RT)
Degree      =     1° 08' 45.30"
Tangent     =          175.2907
Length      =          350.4378
Radius      =        5,000.0000
External    =            3.0717
Long Chord  =          350.3661
Mid. Ord.   =            3.0699
P.C.  Station             5+00.00  N     6,756,873.8356  E      2,463,229.5095
P.T.  Station             8+50.44  N     6,757,194.5674  E      2,463,370.5326
C.C.                               N     6,755,022.9270  E      2,467,874.3063
Back        = N  21° 43' 36.57" E
Ahead       = N  25° 44' 33.17" E
Chord Bear  = N  23° 44' 04.87" E

Course from PT N-SH34-1 to 3091 N 25° 44' 33.17" E Dist 166.9274

Point 3091           N    6,757,344.9281 E    2,463,443.0339 Sta       10+17.37

Course from 3091 to 3092 N 64° 15' 24.21" W Dist 14.0004

Point 3092           N    6,757,351.0090 E    2,463,430.4230 Sta       10+31.37

Course from 3092 to PC N-SH34-2 N 25° 44' 33.27" E Dist 553.3417

                               Curve Data
                              *----------*
Curve N-SH34-2
P.I.  Station            16+66.28  N     6,757,922.9080  E      2,463,706.1830
Delta       =    16° 12' 17.74" (RT)
Degree      =     9° 59' 59.86"
Tangent     =           81.5694
Length      =          162.0499
Radius      =          572.9600
External    =            5.7772
Long Chord  =          161.5103
Mid. Ord.   =            5.7195
P.C.  Station            15+84.71  N     6,757,849.4340  E      2,463,670.7551
P.T.  Station            17+46.76  N     6,757,983.5759  E      2,463,760.7080
C.C.                               N     6,757,600.5811  E      2,464,186.8514
Back        = N  25° 44' 33.27" E
Ahead       = N  41° 56' 51.01" E
Chord Bear  = N  33° 50' 42.14" E

                               Curve Data
                              *----------*
Curve N-SH34-3
P.I.  Station            17+82.41  N     6,758,010.0939  E      2,463,784.5410
Delta       =    20° 12' 57.30" (LT)
Degree      =    28° 38' 52.35"
Tangent     =           35.6541
Length      =           70.5669
Radius      =          200.0001
External    =            3.1532
Long Chord  =           70.2014
Mid. Ord.   =            3.1042
P.C.  Station            17+46.76  N     6,757,983.5759  E      2,463,760.7080
P.T.  Station            18+17.32  N     6,758,043.2140  E      2,463,797.7423
C.C.                               N     6,758,117.2658  E      2,463,611.9564
Back        = N  41° 56' 51.01" E
Ahead       = N  21° 43' 53.71" E
Chord Bear  = N  31° 50' 22.36" E

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Ending chain N-SH34 description
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Beginning chain SH34-S description
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Point 3080           N    6,755,969.4061 E    2,462,765.7613 Sta        5+00.00

Course from 3080 to PC SH34-S-1 N 20° 35' 12.41" E Dist 1,055.4632

                               Curve Data
                              *----------*
Curve SH34-S-2
P.I.  Station            29+77.85  N     6,758,293.1466  E      2,463,581.9468
Delta       =     4° 22' 04.71" (RT)
Degree      =     1° 30' 00.00"
Tangent     =          145.6698
Length      =          291.1984
Radius      =        3,819.7200
External    =            2.7766
Long Chord  =          291.1279
Mid. Ord.   =            2.7746
P.C.  Station            28+32.18  N     6,758,154.1142  E      2,463,538.4764
P.T.  Station            31+23.38  N     6,758,428.4643  E      2,463,635.8799
C.C.                               N     6,757,014.2423  E      2,467,184.1523
Back        = N  17° 21' 45.32" E
Ahead       = N  21° 43' 50.03" E
Chord Bear  = N  19° 32' 47.67" E

Course from PT SH34-S-2 to 3082 N 21° 43' 50.03" E Dist 211.6075

Point 3082           N    6,758,625.0340 E    2,463,714.2260 Sta       33+34.98

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Ending chain SH34-S description
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Beginning chain SH34-N description
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                               Curve Data
                              *----------*
Curve SH34-N-1
P.I.  Station             5+30.53  N     6,759,680.3491  E      2,464,444.8701
Delta       =    17° 21' 28.93" (LT)
Degree      =    28° 38' 52.40"
Tangent     =           30.5293
Length      =           60.5910
Radius      =          200.0000
External    =            2.3167
Long Chord  =           60.3595
Mid. Ord.   =            2.2902
P.C.  Station             5+00.00  N     6,759,651.9895  E      2,464,433.5664
P.T.  Station             5+60.59  N     6,759,710.7896  E      2,464,447.1981
C.C.                               N     6,759,726.0405  E      2,464,247.7804
Back        = N  21° 43' 52.88" E
Ahead       = N   4° 22' 23.95" E
Chord Bear  = N  13° 03' 08.41" E

                               Curve Data
                              *----------*
Curve SH34-N-2
P.I.  Station             6+36.35  N     6,759,786.3303  E      2,464,452.9752
Delta       =    14° 42' 34.17" (RT)
Degree      =     9° 45' 41.26"
Tangent     =           75.7613
Length      =          150.6894
Radius      =          586.9590
External    =            4.8692
Long Chord  =          150.2759
Mid. Ord.   =            4.8292
P.C.  Station             5+60.59  N     6,759,710.7896  E      2,464,447.1981
P.T.  Station             7+11.28  N     6,759,857.9283  E      2,464,477.7442
C.C.                               N     6,759,666.0312  E      2,465,032.4480
Back        = N   4° 22' 23.95" E
Ahead       = N  19° 04' 58.12" E
Chord Bear  = N  11° 43' 41.04" E

Course from PT SH34-N-2 to 3101 N 19° 04' 58.12" E Dist 819.7388

Point 3101           N    6,760,632.6200 E    2,464,745.7450 Sta       15+31.02

Course from 3101 to 3102 S 70° 55' 04.66" E Dist 14.0003

Point 3102           N    6,760,628.0430 E    2,464,758.9760 Sta       15+45.02

Course from 3102 to PC SH34-N-3 N 19° 04' 57.52" E Dist 151.7905

                               Curve Data
                              *----------*
Curve SH34-N-3
P.I.  Station            17+43.23  N     6,760,815.3604  E      2,464,823.7771
Delta       =     1° 29' 53.83" (RT)
Degree      =     1° 36' 50.28"
Tangent     =           46.4189
Length      =           92.8326
Radius      =        3,550.0000
External    =            0.3035
Long Chord  =           92.8299
Mid. Ord.   =            0.3034
P.C.  Station            16+96.81  N     6,760,771.4924  E      2,464,808.6011
P.T.  Station            17+89.64  N     6,760,858.8167  E      2,464,840.0948
C.C.                               N     6,759,610.8773  E      2,468,163.5188
Back        = N  19° 04' 58.00" E
Ahead       = N  20° 34' 51.82" E
Chord Bear  = N  19° 49' 54.91" E

Course from PT SH34-N-3 to 3103 N 20° 34' 51.82" E Dist 1,050.2659

Point 3103           N    6,761,842.0502 E    2,465,209.2971 Sta       28+39.91

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Ending chain SH34-N description
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Beginning chain S-SH34 description
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                               Curve Data
                              *----------*
Curve S-SH34-1
P.I.  Station             5+30.06  N     6,759,708.2671  E      2,464,158.8860
Delta       =    17° 05' 51.23" (RT)
Degree      =    28° 38' 52.40"
Tangent     =           30.0643
Length      =           59.6818
Radius      =          200.0000
External    =            2.2470
Long Chord  =           59.4606
Mid. Ord.   =            2.2221
P.C.  Station             5+00.00  N     6,759,680.3390  E      2,464,147.7558
P.T.  Station             5+59.68  N     6,759,731.6887  E      2,464,177.7352
C.C.                               N     6,759,606.2960  E      2,464,333.5450
Back        = N  21° 43' 43.87" E
Ahead       = N  38° 49' 35.10" E
Chord Bear  = N  30° 16' 39.49" E

                               Curve Data
                              *----------*
Curve S-SH34-2
P.I.  Station             6+30.54  N     6,759,786.8892  E      2,464,222.1595
Delta       =    14° 05' 58.72" (LT)
Degree      =     9° 59' 59.92"
Tangent     =           70.8563
Length      =          140.9968
Radius      =          572.9591
External    =            4.3647
Long Chord  =          140.6413
Mid. Ord.   =            4.3317
P.C.  Station             5+59.68  N     6,759,731.6887  E      2,464,177.7352
P.T.  Station             7+00.68  N     6,759,851.2489  E      2,464,251.7981
C.C.                               N     6,760,090.9128  E      2,463,731.3721
Back        = N  38° 49' 35.10" E
Ahead       = N  24° 43' 36.38" E
Chord Bear  = N  31° 46' 35.74" E

Course from PT S-SH34-2 to 3201 N 24° 43' 36.38" E Dist 659.5923

Point 3201           N    6,760,450.3650 E    2,464,527.7000 Sta       13+60.27

Course from 3201 to 3202 N 65° 16' 28.54" W Dist 14.0004

Point 3202           N    6,760,456.2209 E    2,464,514.9831 Sta       13+74.27

Course from 3202 to PC S-SH34-3 N 24° 43' 36.50" E Dist 556.5731

                               Curve Data
                              *----------*
Curve S-SH34-3
P.I.  Station            20+61.77  N     6,761,080.6875  E      2,464,802.5597
Delta       =     2° 59' 59.93" (LT)
Degree      =     1° 08' 45.30"
Tangent     =          130.9288
Length      =          261.7977
Radius      =        5,000.0000
External    =            1.7139
Long Chord  =          261.7678
Mid. Ord.   =            1.7134
P.C.  Station            19+30.84  N     6,760,961.7633  E      2,464,747.7932
P.T.  Station            21+92.64  N     6,761,202.3151  E      2,464,851.0271
C.C.                               N     6,763,053.2236  E      2,460,206.2303
Back        = N  24° 43' 36.50" E
Ahead       = N  21° 43' 36.57" E
Chord Bear  = N  23° 13' 36.54" E

===============================================================================
Ending chain S-SH34 description
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Beginning chain S-FM329 description
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Point 3240           N    6,783,025.1420 E    2,471,672.3090 Sta        5+00.00

Course from 3240 to PC S-FM329-1 N 9° 03' 53.43" E Dist 171.2599

                               Curve Data
                              *----------*
Curve S-FM329-1
P.I.  Station             7+21.59  N     6,783,243.9668  E      2,471,707.2213
Delta       =    13° 06' 34.01" (RT)
Degree      =    13° 04' 47.98"
Tangent     =           50.3324
Length      =          100.2252
Radius      =          438.0413
External    =            2.8822
Long Chord  =          100.0067
Mid. Ord.   =            2.8634
P.C.  Station             6+71.26  N     6,783,194.2630  E      2,471,699.2914
P.T.  Station             7+71.49  N     6,783,290.5765  E      2,471,726.2180
C.C.                               N     6,783,125.2487  E      2,472,131.8618
Back        = N   9° 03' 53.43" E
Ahead       = N  22° 10' 27.44" E
Chord Bear  = N  15° 37' 10.43" E

Course from PT S-FM329-1 to PC S-FM329-2 N 22° 10' 27.43" E Dist 7.3997

                               Curve Data
                              *----------*
Curve S-FM329-2
P.I.  Station             8+54.08  N     6,783,367.0647  E      2,471,757.3922
Delta       =     8° 11' 11.41" (LT)
Degree      =     5° 27' 09.46"
Tangent     =           75.1973
Length      =          150.1386
Radius      =        1,050.7918
External    =            2.6872
Long Chord  =          150.0109
Mid. Ord.   =            2.6804
P.C.  Station             7+78.88  N     6,783,297.4290  E      2,471,729.0109
P.T.  Station             9+29.02  N     6,783,440.0321  E      2,471,775.5685
C.C.                               N     6,783,694.0243  E      2,470,755.9356
Back        = N  22° 10' 27.44" E
Ahead       = N  13° 59' 16.03" E
Chord Bear  = N  18° 04' 51.73" E

Course from PT S-FM329-2 to PC S-FM329-3 N 13° 59' 16.03" E Dist 389.8560

                               Curve Data
                              *----------*
Curve S-FM329-3
P.I.  Station            13+81.12  N     6,783,878.7254  E      2,471,884.8477
Delta       =     0° 59' 41.80" (LT)
Degree      =     0° 47' 57.34"
Tangent     =           62.2432
Length      =          124.4834
Radius      =        7,168.6055
External    =            0.2702
Long Chord  =          124.4818
Mid. Ord.   =            0.2702
P.C.  Station            13+18.88  N     6,783,818.3278  E      2,471,869.8026
P.T.  Station            14+43.36  N     6,783,939.3751  E      2,471,898.8418
C.C.                               N     6,785,551.0876  E      2,464,913.7658
Back        = N  13° 59' 16.03" E
Ahead       = N  12° 59' 34.22" E
Chord Bear  = N  13° 29' 25.13" E

Course from PT S-FM329-3 to PC S-FM329-4 N 12° 59' 34.22" E Dist 167.7536

                               Curve Data
                              *----------*
Curve S-FM329-4
P.I.  Station            17+51.65  N     6,784,239.7659  E      2,471,968.1530
Delta       =     4° 01' 27.22" (LT)
Degree      =     1° 25' 56.62"
Tangent     =          140.5299
Length      =          280.9442
Radius      =        4,000.0000
External    =            2.4678
Long Chord  =          280.8864
Mid. Ord.   =            2.4663
P.C.  Station            16+11.12  N     6,784,102.8339  E      2,471,936.5577
P.T.  Station            18+92.06  N     6,784,378.5776  E      2,471,990.0606
C.C.                               N     6,785,002.1510  E      2,468,038.9651
Back        = N  12° 59' 34.22" E
Ahead       = N   8° 58' 07.00" E
Chord Bear  = N  10° 58' 50.61" E

===============================================================================
Ending chain S-FM329 description
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Beginning chain FM329-S description
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Point 3210           N    6,780,256.4188 E    2,471,339.4896 Sta        5+00.00

Course from 3210 to PC FM329-S-1 N 7° 49' 22.25" E Dist 1,128.5197

                               Curve Data
                              *----------*
Curve FM329-S-1
P.I.  Station            19+45.38  N     6,781,688.3513  E      2,471,536.2217
Delta       =    46° 55' 39.01" (LT)
Degree      =     7° 50' 55.45"
Tangent     =          316.8640
Length      =          597.8988
Radius      =          730.0000
External    =           65.8032
Long Chord  =          581.3265
Mid. Ord.   =           60.3621
P.C.  Station            16+28.52  N     6,781,374.4361  E      2,471,493.0931
P.T.  Station            22+26.42  N     6,781,934.2362  E      2,471,336.3632
C.C.                               N     6,781,473.7969  E      2,470,769.8867
Back        = N   7° 49' 22.25" E
Ahead       = N  39° 06' 16.76" W
Chord Bear  = N  15° 38' 27.25" W

Course from PT FM329-S-1 to 3211 N 39° 47' 09.49" W Dist 76.6171

Point 3211           N    6,781,993.1119 E    2,471,287.3343 Sta       23+03.04

===============================================================================
Ending chain FM329-S description
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Beginning chain N-FM329 description
===============================================================================

                               Curve Data
                              *----------*
Curve N-FM329-1
P.I.  Station             7+51.00  N     6,780,072.0142  E      2,471,407.5745
Delta       =     8° 08' 02.98" (RT)
Degree      =     1° 37' 23.20"
Tangent     =          250.9950
Length      =          501.1466
Radius      =        3,530.0000
External    =            8.9120
Long Chord  =          500.7259
Mid. Ord.   =            8.8896
P.C.  Station             5+00.00  N     6,779,824.0879  E      2,471,368.4461
P.T.  Station            10+01.15  N     6,780,311.9099  E      2,471,481.3888
C.C.                               N     6,779,273.7844  E      2,474,855.2879
Back        = N   8° 58' 07.00" E
Ahead       = N  17° 06' 09.98" E
Chord Bear  = N  13° 02' 08.49" E

Course from PT N-FM329-1 to PC N-FM329-2 N 16° 08' 23.45" E Dist 86.1702

                               Curve Data
                              *----------*
Curve N-FM329-2
P.I.  Station            12+82.70  N     6,780,582.2320  E      2,471,560.1315
Delta       =     4° 41' 14.63" (RT)
Degree      =     1° 12' 00.66"
Tangent     =          195.3872
Length      =          390.5564
Radius      =        4,773.9138
External    =            3.9967
Long Chord  =          390.4475
Mid. Ord.   =            3.9934
P.C.  Station            10+87.32  N     6,780,394.6838  E      2,471,505.3426
P.T.  Station            14+77.87  N     6,780,764.6756  E      2,471,630.0635
C.C.                               N     6,779,056.0205  E      2,476,087.7255
Back        = N  16° 17' 05.29" E
Ahead       = N  20° 58' 19.92" E
Chord Bear  = N  18° 37' 42.61" E

===============================================================================
Ending chain N-FM329 description
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Beginning chain FM329-N description
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                               Curve Data
                              *----------*
Curve FM329-N-1
P.I.  Station             5+65.95  N     6,782,275.4326  E      2,471,854.8530
Delta       =    10° 24' 55.47" (RT)
Degree      =     7° 55' 07.78"
Tangent     =           65.9453
Length      =          131.5271
Radius      =          723.5386
External    =            2.9990
Long Chord  =          131.3461
Mid. Ord.   =            2.9866
P.C.  Station             5+00.00  N     6,782,209.5061  E      2,471,856.4261
P.T.  Station             6+31.53  N     6,782,340.5572  E      2,471,865.2243
C.C.                               N     6,782,226.7657  E      2,472,579.7588
Back        = N   1° 22' 00.79" W
Ahead       = N   9° 02' 54.68" E
Chord Bear  = N   3° 50' 26.94" E

Course from PT FM329-N-1 to PC FM329-N-2 N 9° 02' 54.68" E Dist 14.7482

                               Curve Data
                              *----------*
Curve FM329-N-2
P.I.  Station             7+73.40  N     6,782,480.6660  E      2,471,887.5370
Delta       =     5° 04' 49.69" (LT)
Degree      =     1° 59' 58.24"
Tangent     =          127.1261
Length      =          254.0856
Radius      =        2,865.4900
External    =            2.8186
Long Chord  =          254.0024
Mid. Ord.   =            2.8158
P.C.  Station             6+46.28  N     6,782,355.1219  E      2,471,867.5437
P.T.  Station             9+00.36  N     6,782,607.4874  E      2,471,896.3341
C.C.                               N     6,782,805.7799  E      2,469,037.7133
Back        = N   9° 02' 54.68" E
Ahead       = N   3° 58' 04.98" E
Chord Bear  = N   6° 30' 29.83" E

Course from PT FM329-N-2 to PC FM329-N-3 N 3° 58' 04.98" E Dist 50.0250

                               Curve Data
                              *----------*
Curve FM329-N-3
P.I.  Station            10+75.48  N     6,782,782.1874  E      2,471,908.4524
Delta       =     2° 00' 00.66" (LT)
Degree      =     0° 47' 58.37"
Tangent     =          125.0948
Length      =          250.1641
Radius      =        7,166.0210
External    =            1.0918
Long Chord  =          250.1514
Mid. Ord.   =            1.0916
P.C.  Station             9+50.39  N     6,782,657.3925  E      2,471,899.7959
P.T.  Station            12+00.55  N     6,782,907.2084  E      2,471,912.7481
C.C.                               N     6,783,153.2827  E      2,464,750.9533
Back        = N   3° 58' 04.98" E
Ahead       = N   1° 58' 04.33" E
Chord Bear  = N   2° 58' 04.66" E

Course from PT FM329-N-3 to PC FM329-N-4 N 1° 58' 04.33" E Dist 79.1856

                               Curve Data
                              *----------*
Curve FM329-N-4
P.I.  Station            14+84.29  N     6,783,190.7821  E      2,471,922.4915
Delta       =     5° 51' 17.93" (RT)
Degree      =     1° 25' 56.62"
Tangent     =          204.5554
Length      =          408.7547
Radius      =        4,000.0000
External    =            5.2269
Long Chord  =          408.5768
Mid. Ord.   =            5.2201
P.C.  Station            12+79.74  N     6,782,986.3473  E      2,471,915.4672
P.T.  Station            16+88.49  N     6,783,393.4338  E      2,471,950.3336
C.C.                               N     6,782,848.9912  E      2,475,913.1082
Back        = N   1° 58' 04.33" E
Ahead       = N   7° 49' 22.25" E
Chord Bear  = N   4° 53' 43.29" E

Course from PT FM329-N-4 to 3231 N 7° 49' 22.25" E Dist 916.9873

Point 3231           N    6,784,301.8872 E    2,472,075.1454 Sta       26+05.48

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Ending chain FM329-N description
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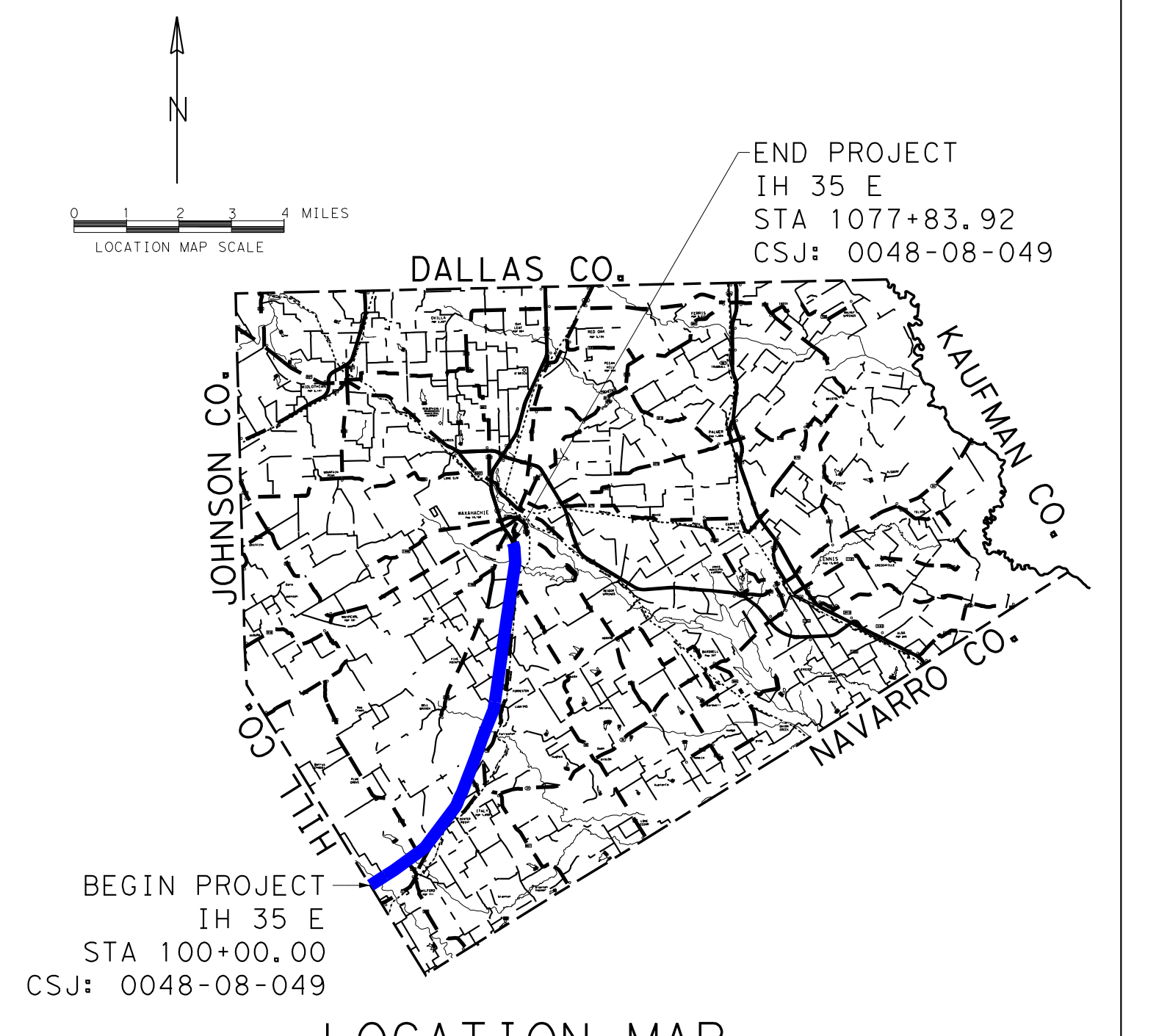
NOTE: CLIH35E HORIZONTAL CURVE DATA SHOWN REPRESENTS AS-BUILT CONDITION FROM RECORD DRAWINGS.
SEE REQUEST FOR DESIGN EXCEPTION FOR CURVES CLIH35E-3, CLIH35E-4, CLIH35E-5, CLIH35E-6, CLIH35E-8, CLIH35E-9, AND CLIH35E-11.



Texas Department of Transportation
DALLAS DISTRICT
DESIGN SCHEMATIC
KELLY SELMAN, P.E., DISTRICT ENGINEER
ELLIS COUNTY
IH 35 E
PROJECT LIMIT: FROM 2 MILES S. OF FM 566
(HILL/ELLIS CO. LINE)
TO US 77 SOUTH OF WAXAHACHIE
CSJ: 0048-08-049
FUNCTIONAL CLASS: INTERSTATE
DESIGN SPEED: 70 mph FREEWAY
50 mph RAMPS
PROJECT LENGTH = 18.520 MILES (97,783.92 FT.)
LOCATION MAP
BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264
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AARON DEMARAY TAINTER 105733 6/9/2015
NAME P.E. NO. DATE
JUNE 2015
ROLL 23 OF 23
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