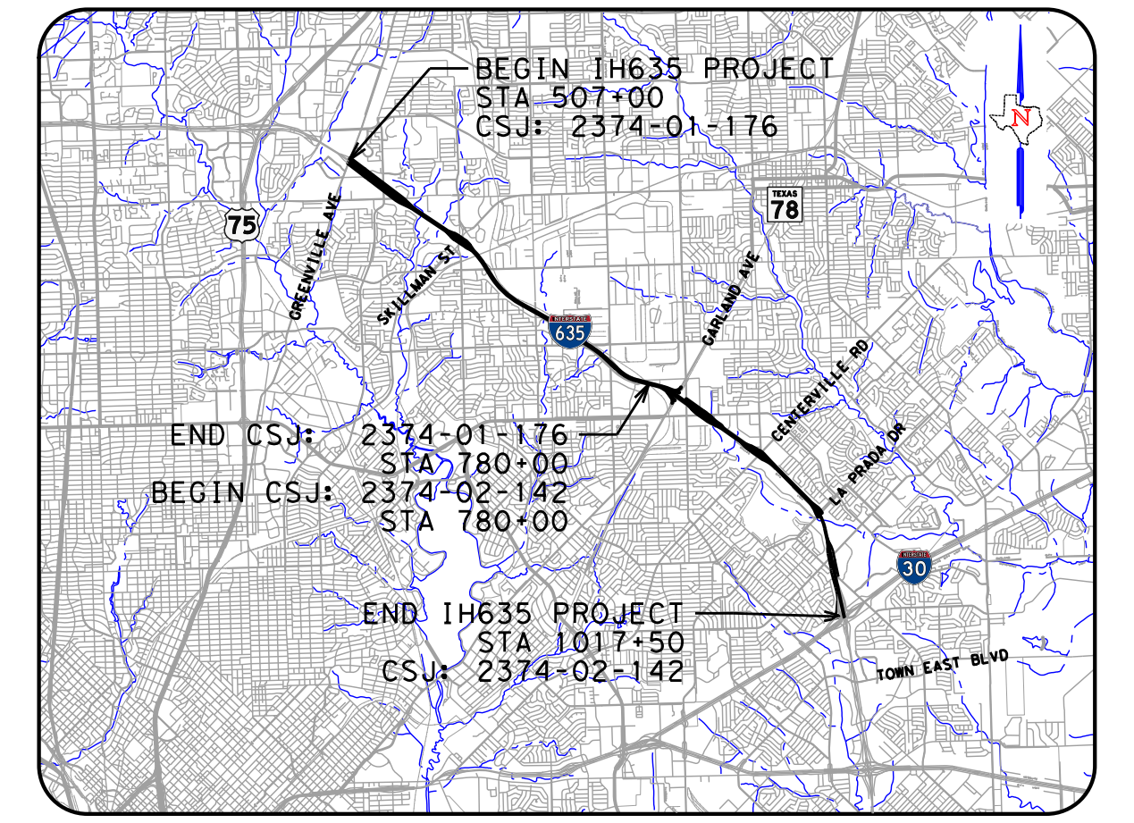
TEXAS DEPARTMENT OF TRANSPORTATION®

DALLAS DISTRICT
WILLIAM L. HALE, P.E., DISTRICT ENGINEER

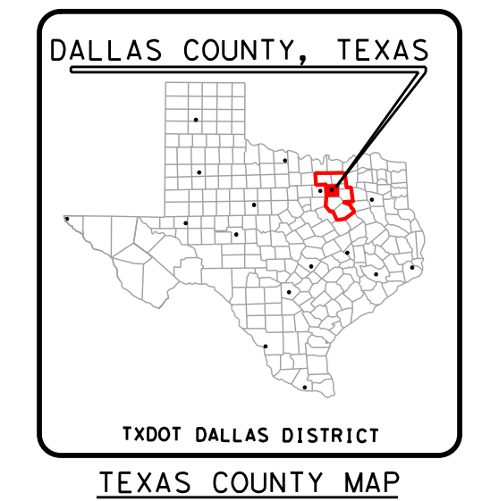
DESIGN SCHEMATIC
IH-635 LBJ EAST PROJECT
EXPRESS LANE DESIGN
FROM EAST OF US 75 TO NORTH OF IH-30
DALLAS COUNTY, TEXAS
CSJs: 2374-01-176, 2374-02-142

SEPTEMBER 09, 2014
ROLL 5 OF 6

LIMITS:	IH-635: E. OF US-75 TO IH-30
LENGTH:	9.7 MILES
FUNCTIONAL CLASS:	URBAN INTERSTATE
AVERAGE DAILY TRAFFIC:	230,000 (2016) 315,200 (2036)
SCHEMATIC ROLLS:	ROLLS 1-6
	DESIGN SPEED
MAIN LANES:	60 MPH
EXPRESS LANES:	60 MPH
RAMPS:	45 MPH


BEGIN IH635 PROJECT
STA 507+00
CSJ: 2374-01-176
END CSJ: 2374-01-176
STA 780+00
BEGIN CSJ: 2374-02-142
STA 780+00
END IH635 PROJECT
STA 1017+50
CSJ: 2374-02-142
75
78
635
30
GREENVILLE AVE
SKILLMAN ST
GARLAND AVE
CENTERVILLE RD
LA PRADA DR
TOWN EAST BLVD

LOCATION MAP
N.T.S.


DALLAS COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

PRELIMINARY
FOR INTERIM REVIEW ONLY
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MARK W. VAN ANDEL 108166 09-09-2014
NAME P.E. NO. DATE

0 100 200 300 400
HORIZONTAL SCALE:
0 10 20 30 40
VERTICAL SCALE:

JACOBS®
1999 BRYAN STREET, SUITE 1200
DALLAS, TX 75201-3136
Phone 214.638.0145
Firm Registration F-2966

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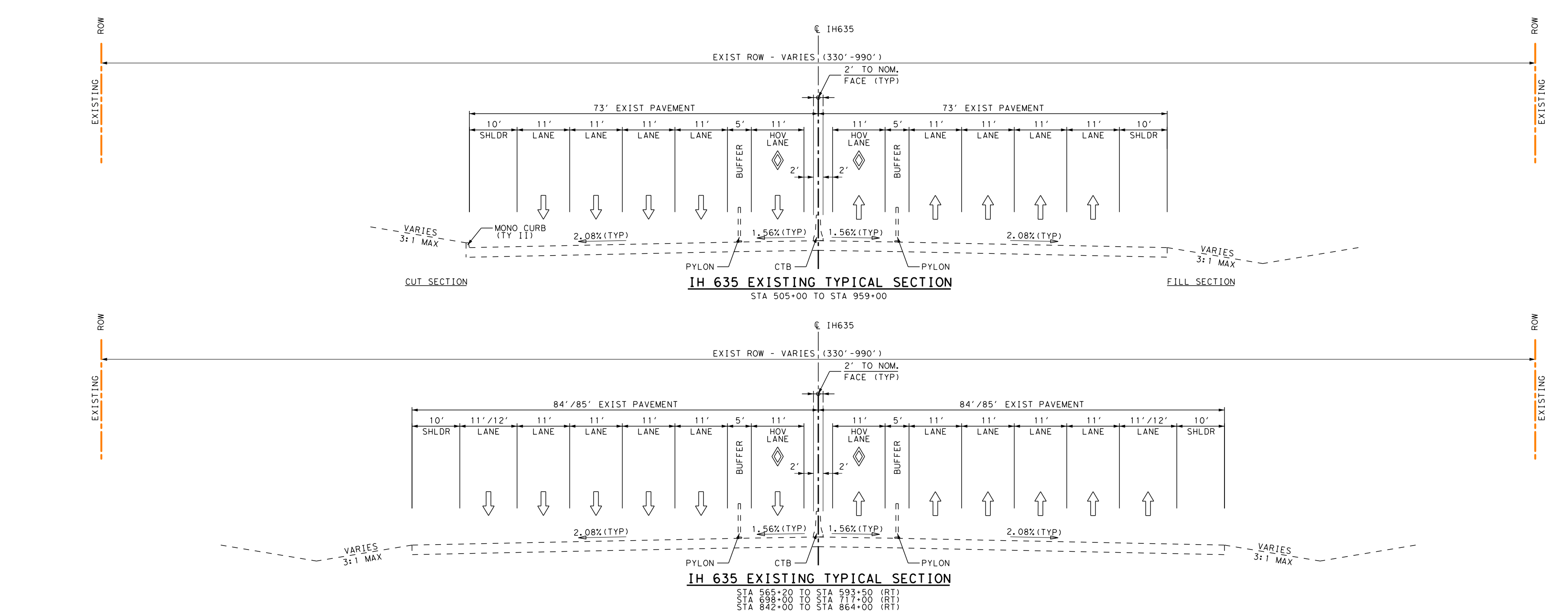
LEGEND:

🟧 — - —	EXISTING ROW
═ - ═	EXISTING CROSS DRAINAGE
—	EXISTING 100 YR FLOODPLAIN LIMITS
—	PROPOSED EDGE OF PAVEMENT
—	PROPOSED CONCRETE TRAFFIC BARRIER
—	PROPOSED NOISE WALL
➡	DIRECTION OF TRAVEL
FLOW ⇨	DIRECTION OF FLOW
20	PROPERTY ID NUMBER

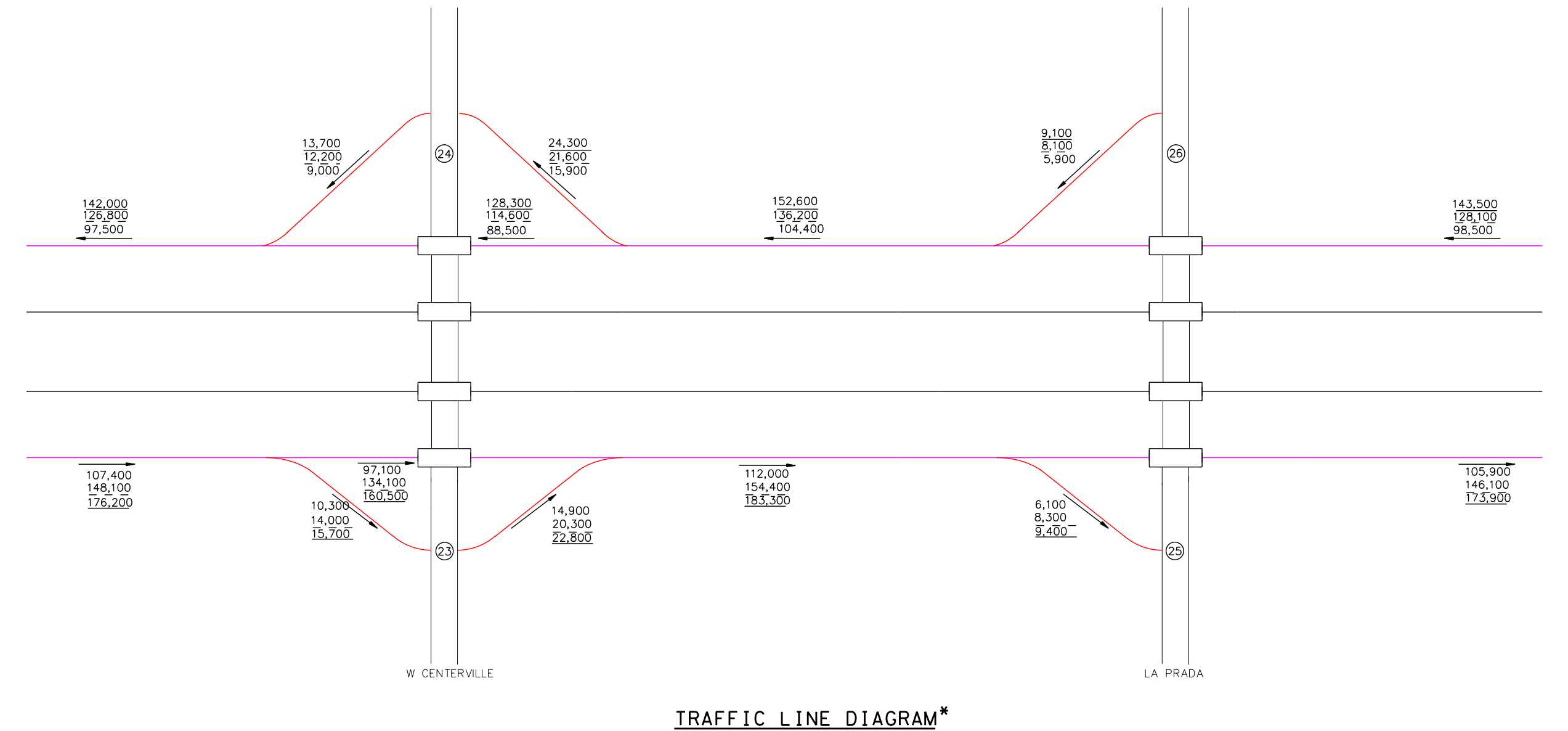
GENERAL NOTES:

1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL SURVEYS DATED JANUARY 21, 2013 AND RECORD PLANS.
2. TRAFFIC VOLUMES APPROVED BY TP&P ON XXXXXXXX XX, 2014.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL.
4. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, RAIL, BARRIER, OR WALL (UNLESS NOTED OTHERWISE).
5. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48113C0345J AND 48113C0485J (2001).
6. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS COUNTY APPRAISAL DISTRICT (FEBRUARY 2014).
7. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
8. DESIGN EXCEPTIONS APPROVED BY FHWA ON 12/6/2004 FOR THE FOLLOWING:
   - A. HOV LANE WIDTH
   - B. HOV SECTION WIDTH
   - C. HOV LANE SHOULDER/OFFSET WIDTH
   - D. MAINLANE WIDTH
   - E. OUTSIDE MAINLANE SHOULDERS/OFFSET (VARIOUS LOCATIONS)
   - F. INSIDE MAINLANE SHOULDERS/OFFSET
   - G. MAINLANE TAPERS


℄ IH635
ROW
EXISTING
EXIST ROW - VARIES (330'-990')
2' TO NOM. FACE (TYP)
73' EXIST PAVEMENT
10' SHLDR
11' LANE
5' BUFFER
11' HOV LANE
2'
VARIES 3:1 MAX
MONO CURB (TYP)
2.08% (TYP)
1.56% (TYP)
PYLON
CTB
CUT SECTION
FILL SECTION
84'/85' EXIST PAVEMENT
11'/12' LANE

IH 635 EXISTING TYPICAL SECTION
STA 505+00 TO STA 959+00

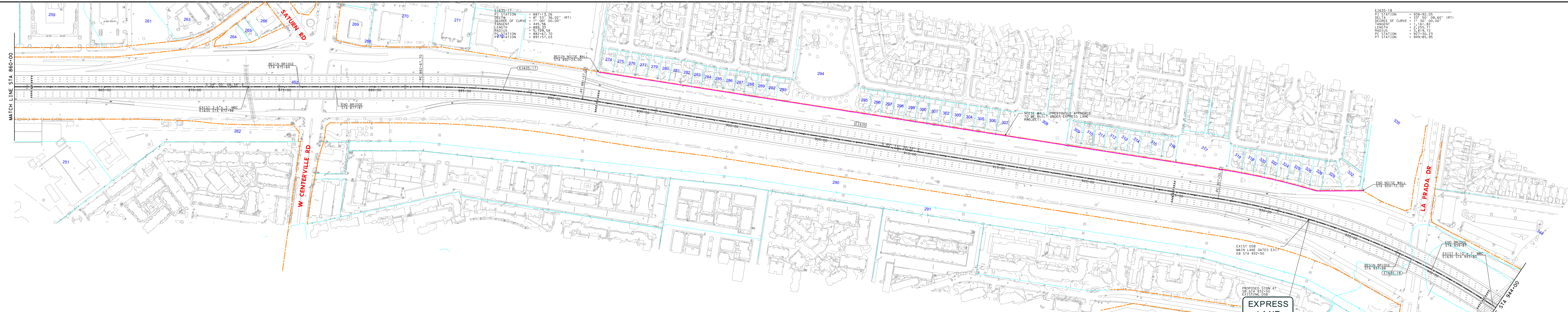
IH 635 EXISTING TYPICAL SECTION
STA 565+20 TO STA 593+50 (RT)
STA 698+00 TO STA 717+00 (RT)
STA 842+00 TO STA 864+00 (RT)
STA 886+00 TO STA 928+00 (RT)
STA 894+00 TO STA 929+00 (LT)


142,000
126,800
97,500
13,700
12,200
9,000
24,300
21,600
15,900
128,300
114,600
88,500
152,600
136,200
104,400
9,100
8,100
5,900
143,500
128,100
98,500
107,400
148,100
176,200
97,100
134,100
160,500
10,300
14,000
15,700
14,900
20,300
22,800
112,000
154,400
183,300
6,100
8,300
9,400
105,900
146,100
173,900
24
26
23
25
W CENTERVILLE
LA PRADA

TRAFFIC LINE DIAGRAM*
LEGEND:
2016 ADT
2036 ADT
2046 ADT
*TRAFFIC NUMBERS INCOMPLETE AND UNAPPROVED AS OF 5/16/2014

PROPERTY OWNER INFORMATION

ID	SITE ADDRESS	OWNER	OCCUPANT	ID	SITE ADDRESS	OWNER	OCCUPANT
259	1640 EASTGATE DR	EAI REALTY INC STE 200	REMINGTON COLLEGE - DALLAS CAMPUS	297	1205 ROCKLEDGE DR	FIGUEROA CARLOS	SINGLE FAMILY RESIDENTIAL
260	1540 EASTGATE DR	ARC CAFEUSA001 LLC	FURR'S BUFFET	298	1209 ROCKLEDGE DR	JONGUITUD FERNANDO M &	SINGLE FAMILY
261	4700 EASTGATE DR	GARLAND EASTGATE LP	UNDEVELOPED	299	1213 ROCKLEDGE DR	REED DON	SINGLE FAMILY
262	11601 FERGUSON RD	TEXAS UTILITIES ELEC CO % STATE & LOCAL TAX DEPT	OVERHEAD TRANSMISSION LINE	300	1217 ROCKLEDGE DR	BLTREJV3 DALLAS LLC	SINGLE FAMILY RESIDENTIAL
263	1440 EASTGATE DR	SUN SCP INVEST CO LLC STE 1645	APPLEBEE'S	301	1221 ROCKLEDGE DR	MORALES RACHEL	SINGLE FAMILY
264	1418 EASTGATE DR	GARLAND EASTGATE LP STE 300	UNDEVELOPED	302	1225 ROCKLEDGE DR	VALDERAS JACLYN	SINGLE FAMILY
265	1411 EASTGATE DR	AMERICAN CARRIERS INC	AMERICAN CARRIERS	303	1229 ROCKLEDGE DR	ARRIAGA JESUS A	SINGLE FAMILY
266	5013 SATURN RD	EASON KENNETH D & SHIRLEY A	SHELL GAS STATION	304	1301 ROCKLEDGE DR	YOUNG PATRICIA	SINGLE FAMILY
267	1313 W CENTERVILLE	SEGURA I LLC &	IHOP RESTAURANT	305	1305 ROCKLEDGE DR	MONTEMAYOR ALFREDO	SINGLE FAMILY
268	1318 W CENTERVILLE	CASH LBJ LTD ATTN ROBERT GRUNNAH	CASH AMERICAN PAWN	306	1309 ROCKLEDGE DR	MALDONADO JESUS M	SINGLE FAMILY
269	1318 W CENTERVILLE RD	CASH LBJ LTD ATTN ROBERT GRUNNAH	CASH AMERICAN PAWN BILLBOARD	307	1313 ROCKLEDGE DR	MENDEZ LUZ MARIA	SINGLE FAMILY RESIDENTIAL
270	1328 W CENTERVILLE	MOODY CAROL D ET AL	OCEAN BUFFET	308	1125 SPRINGLAKE DR	GARLAND CITY OF	GRISSOM PARK
271	1330 W CENTERVILLE RD	COYOTE MOTORSPORTS LAND MGT GARLAND LTD	DALLAS HARLEY-DAVIDSON	309	1401 PARK EAST DR	ROMERO JESUS	SINGLE FAMILY RESIDENTIAL
272	1340 W CENTERVILLE RD	GRIFFITH BALIE & BEVERLY 1920 NCNB TEXAS TOWER	CHUCK E. CHEESE'S	310	1405 PARK EAST DR	ROSADO JOSE & ANGELA	SINGLE FAMILY RESIDENTIAL
273	4111 ATHLETIC CLUB	DALLAS ATHLETIC CLUB	DALLAS ATHLETIC	311	1409 PARK EAST DR	GARCIA JOSE G &	SINGLE FAMILY
274	5301 LA JOLLA DR	MAGELLAN FUNDING PARTNERS FUND I	SINGLE FAMILY	312	1413 PARK EAST DR	YORK LARRY DON & THELMA	SINGLE FAMILY
275	5305 LA JOLLA DR	BRITO GUSTAVO	SINGLE FAMILY	313	1417 PARK EAST DR	WIGGINS DALLASJR	SINGLE FAMILY
276	5309 LA JOLLA DR	LAMPI HARBER BRAD & LEE	SINGLE FAMILY	314	1421 PARK EAST DR	ZIMDARAS RODNEY GORDON	SINGLE FAMILY
277	5313 LA JOLLA DR	MARTINEZ ANTONIO C & ALICIA	SINGLE FAMILY	315	1425 PARK EAST DR	ANDERSON DAVID	SINGLE FAMILY
278	1122 W CENTERVILLE	IUM INVESTORS LP & % RICHARD C	UNOCCUPIED BUILDING	316	1433 PARK EAST DR	PRICE ROY L	SINGLE FAMILY
279	5317 LA JOLLA DR	SANDOVAL JUAN & ADELA	SINGLE FAMILY	317	117 RAVENCROFT DR	GARLAND CITY OF	WHITE PARK
280	5321 LA JOLLA DR	CRUZ MARTIN	SINGLE FAMILY	318	1501 HERITAGE DR	CLAWSON KELLY	SINGLE FAMILY
281	5325 LA JOLLA DR	HOLT JOHN DOUGLAS	SINGLE FAMILY	319	1505 HERITAGE DR	RODRIGUEZ ALEJANDRO ORTIZ &	SINGLE FAMILY
282	5401 LA JOLLA DR	BEELER IRENE EST OF	SINGLE FAMILY RESIDENTIAL	320	1509 HERITAGE DR	REDFEARN ARTHUR WAYNE & DEANIA J REDFEARN	SINGLE FAMILY RESIDENTIAL
283	5405 LA JOLLA DR	PASOSGARCIA ENRIQUE &	SINGLE FAMILY	321	2200 LA PRADA DR	CROSSROADS CHURCH OF THE	UNDEVELOPED
284	5409 LA JOLLA DR	TRAN TAMMY	SINGLE FAMILY	322	1513 HERITAGE DR	PAPILLION ZACHARY & SANDRA	SINGLE FAMILY
285	5413 LA JOLLA DR	NERIO FRANCISCO & RUPERTA A	SINGLE FAMILY RESIDENTIAL	323	1901 PINEHURST LN	IMT HI LAPRADA LP	COUNTRY CLUB MESQUITE APARTMENTS
286	5417 LA JOLLA DR	MEJIA ASCENCION & ANA	SINGLE FAMILY	324	1517 HERITAGE DR	OLGUIN ROGELIO &	SINGLE FAMILY
287	5421 LA JOLLA DR	FLEMING GREGORY ALLEN	SINGLE FAMILY	325	1521 HERITAGE DR	SOLIS FRANCISCO	SINGLE FAMILY
288	5425 LA JOLLA DR	CAJAS MONICA & OSWALDO A JR	SINGLE FAMILY	326	1525 HERITAGE DR	PAREDES PERLA	SINGLE FAMILY
289	5429 LA JOLLA DR	SPT REAL ESTATE SUB III LLC	SINGLE FAMILY	327	1751 OATES DR	TEXAS STATE OF	UNDEVELOPED
290	11200 LBJ FWY	TEXAS UTILITIES ELECTRIC CO % STATE & LOCAL TAX DEPT	OVERHEAD TRANSMISSION LINE	328	1529 HERITAGE DR	SPENCE GARY D & SHARON G	SINGLE FAMILY RESIDENTIAL
291	10800 LBJ FWY	TEXAS UTILITIES ELEC CO % STATE & LOCAL TAX DEPT	OVERHEAD TRANSMISSION LINE	329	1533 HERITAGE DR	MENCHU LORENZO R	SINGLE FAMILY RESIDENTIAL
292	5433 LA JOLLA DR	IRAHETA SANTOS & DELMIS ALFARO	SINGLE FAMILY RESIDENTIAL	330	1751 OATES DR	TEXAS UTILITIES ELEC CO % STATE & LOCAL TAX DEPT	OVERHEAD TRANSMISSION LINE
293	5437 LA JOLLA DR	YAP KENG PING	SINGLE FAMILY	332	1537 HERITAGE DR	MURCIA MARIO E	SINGLE FAMILY
294	1126 BIRCHWOOD DR	GARLAND CITY OF	ARMSTRONG PARK	335	15300 LBJ FWY	BLI REAL ESTATE INC	UNDEVELOPED
295	1121 ROCKLEDGE DR	BRADBURN PATRICIA EST OF	SINGLE FAMILY	344	15330 LBJ FWY	TPLP OFFICE PARK PPTIES DEPT PT	LA PRADA BUSINESS
296	1201 ROCKLEDGE DR	ALEXANDER JOHN W & SUSSAN M TRUSTEES THE ALEXANDER LIVING	SINGLE FAMILY RESIDENTIAL				


MATCH LINE STA 860+00
SATURN RD
W CENTERVILLE RD
LA PRADA DR
LONG BRANCH
MATCH LINE STA 944+00
E1635-17
PI STATION = 887+13.26
DELTA = 8° 53' 36.02" (RT)
DEGREE OF CURVE = 1° 00' 00.00"
TANGENT = 445.56
LENGTH = 889.33
RADIUS = 5,729.58
PC STATION = 882+67.70
PT STATION = 891+57.03
E1635-18
PI STATION = 938+92.05
DELTA = 33° 50' 08.60" (RT)
DEGREE OF CURVE = 1° 30' 00.00"
TANGENT = 1,161.82
LENGTH = 2,255.71
RADIUS = 3,819.72
PC STATION = 927+30.23
PT STATION = 949+85.95
BEGIN BRIDGE STA 875+84
END BRIDGE STA 877+81
EXIST 3-6'x 3' MBC E1635 STA 872+98
S 54° 05' 08.34" E
PC 882+67.70
PT 891+57.03
BEGIN NOISE WALL STA 892+24.00
NOISE WALL (PREVIOUSLY APPROVED TO BE BUILT UNDER EXPRESS LANE PROJECT)
END NOISE WALL STA 934+72.00
PC 927+30.23
EXIST OSB MAIN LANE OATES EXIT EB STA 932+50
BEGIN BRIDGE STA 937+88
END BRIDGE STA 939+87
EXIST 6-10' x 7' MBC E1635 STA 943+80
PROPOSED SIGN 47 SB STA 932+50 EXISTING OSB
EXPRESS LANE ENDS ½ MILE
E1635
FLOW
865+00
870+00
875+00
880+00
885+00
890+00
895+00
900+00
905+00
910+00
915+00
920+00
925+00
930+00
935+00
940+00
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SUPERELEVATION DATA

BASELINE	CURVE	RADIUS	DESIGN SPEED (MPH)	BEGIN TRANSITION	END TRANSITION AND BEGIN FULL SUPERELEVATION	FULL SUPERELEVATION	END FULL SUPERELEVATION AND BEGIN TRANSITION	END TRANSITION
E1635	E1635-17	5729.58	60	880+64	883+64	0.022	890+53	893+53
E1635	E1635-18	3819.72	60	925+28	928+28	0.035	948+85	951+85

SUPERELEVATION DATA FROM RECORD DRAWINGS AND IS SHOWN FOR INFORMATIONAL PURPOSES ONLY

ONLY LARGE GUIDE SIGNS FOR THE EXPRESS LANE SYSTEM ARE SHOWN ON THE SCHEMATIC. EXISTING GENERAL PURPOSE LANE GUIDE SIGNS WOULD REMAIN AS-IS AND ARE NOT SHOWN ON THE SCHEMATIC.

IH 635 ML PROFILE HAS BEEN OBTAINED FROM RECORD DOCUMENTS AND IS SHOWN FOR INFORMATIONAL PURPOSES ONLY.

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DALLAS DISTRICT
WILLIAM L. HALE, P.E., DISTRICT ENGINEER
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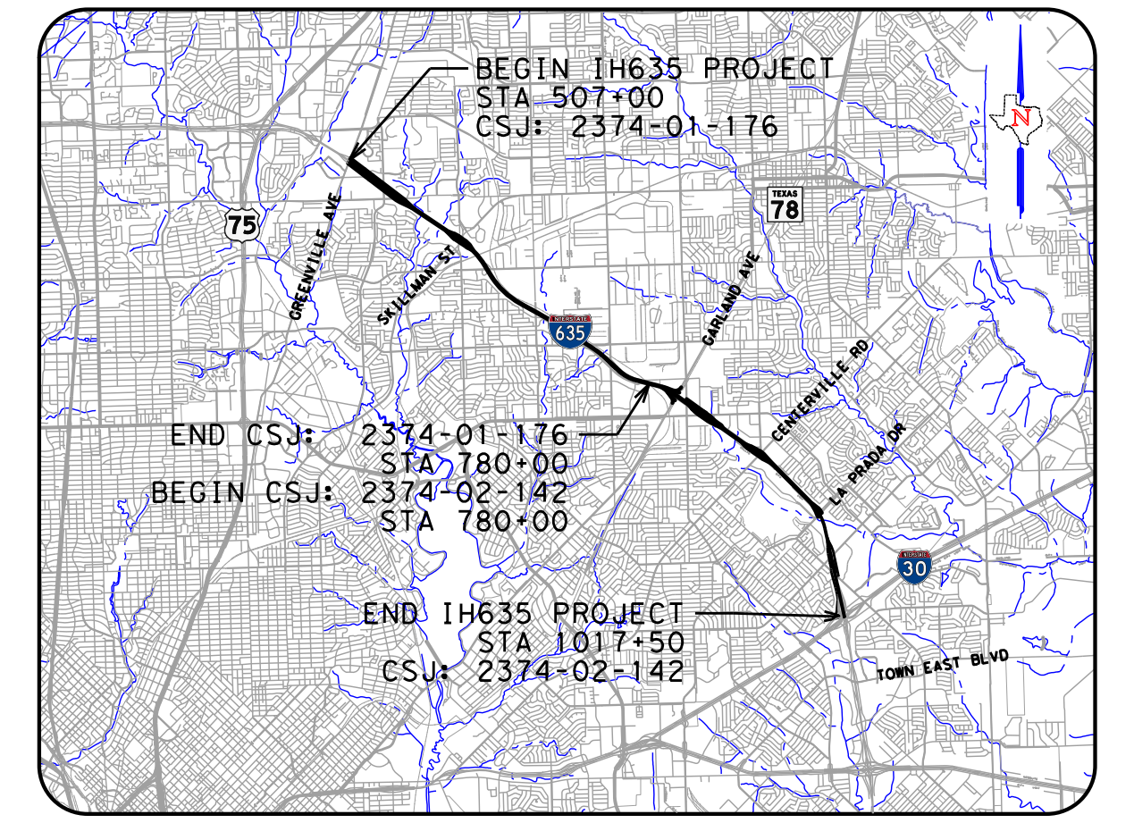
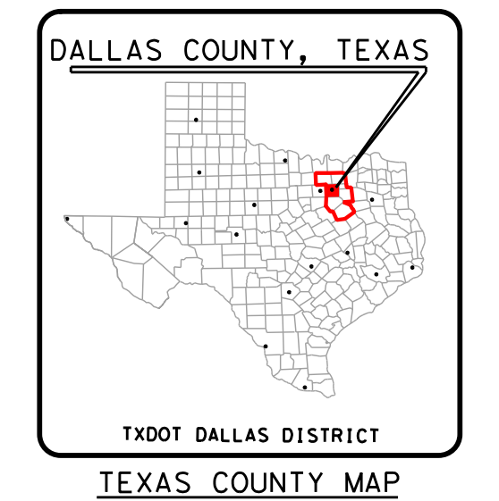


LOCATION MAP
N.T.S.



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