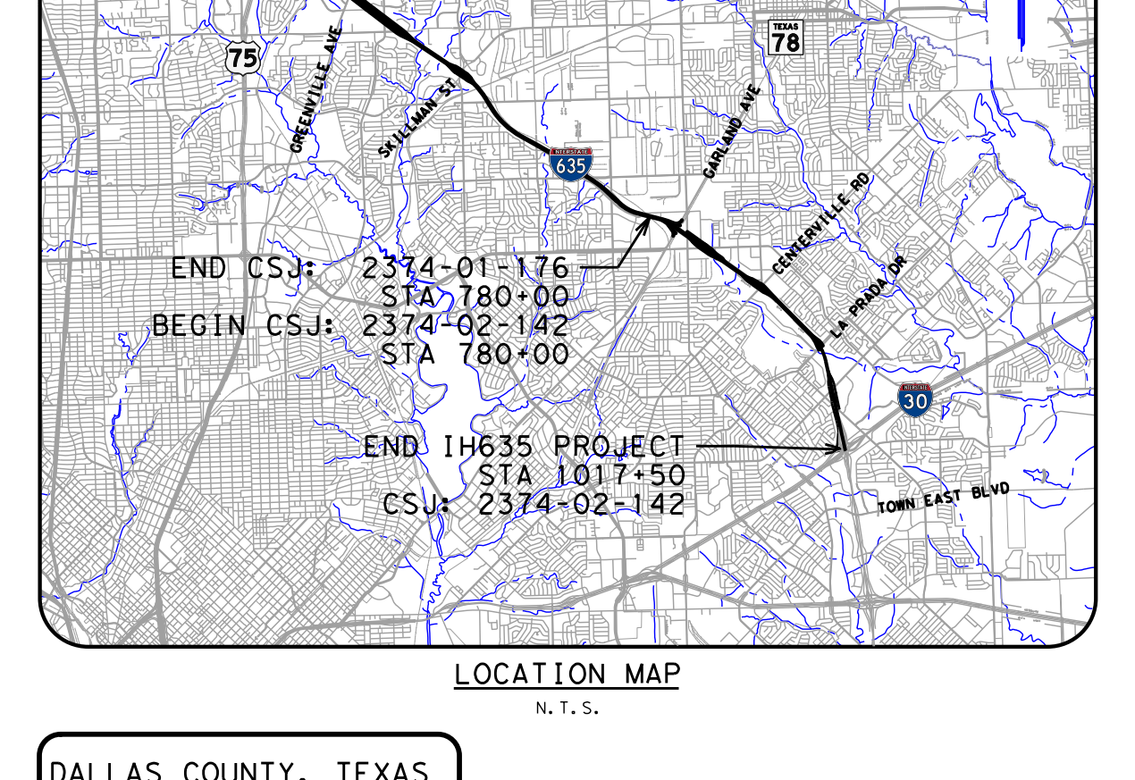
TEXAS DEPARTMENT OF TRANSPORTATION®

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

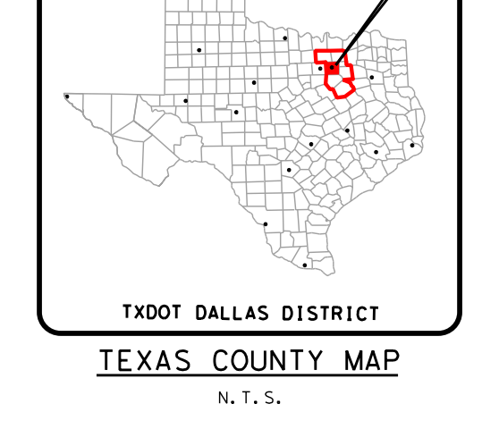
DESIGN SCHEMATIC
IH-635 LBJ EAST PROJECT
EXPRESS LANE DESIGN
FROM EAST OF US 75 TO NORTH OF IH-30
DALLAS COUNTY, TEXAS
CSJs: 2374-01-176, 2374-02-142

SEPTEMBER 09, 2014
ROLL 4 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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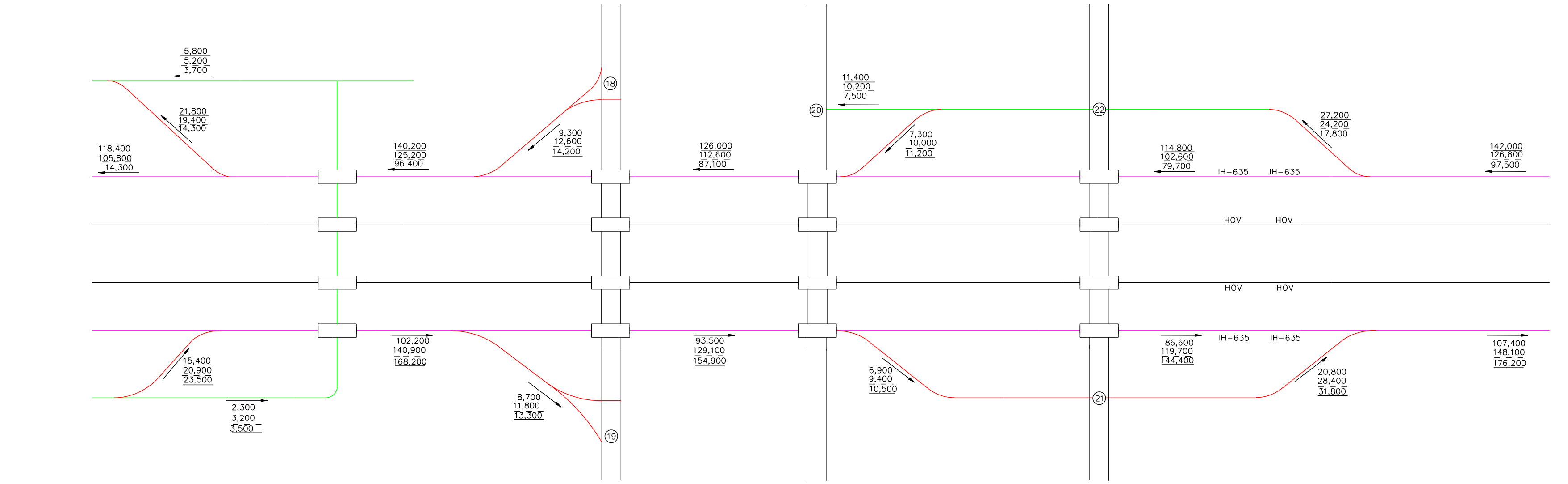
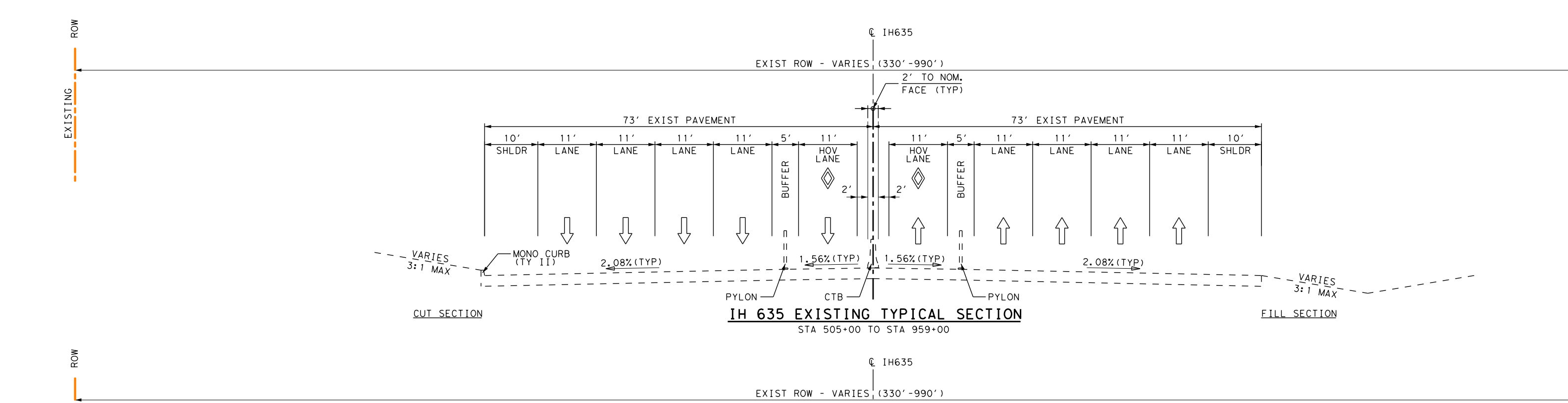
LEGEND:

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

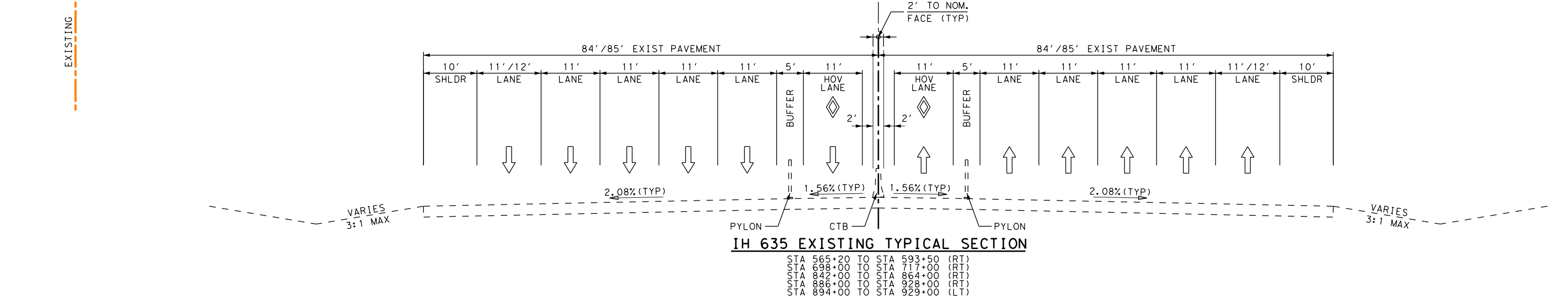
GENERAL NOTES:

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

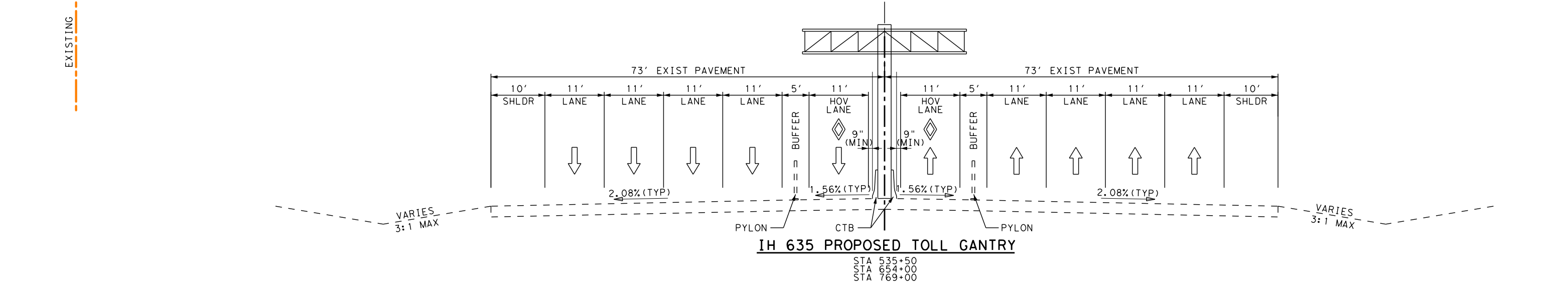

5,800
5,200
3,700
21,800
19,400
14,300
118,400
105,800
14,300
15,400
20,900
33,500
2,300
3,200
4,500
140,200
125,200
96,400
102,200
140,900
168,200
9,300
12,600
14,200
8,700
11,800
13,300
18
19
126,000
112,600
87,100
93,500
129,100
154,900
11,400
10,200
7,500
7,300
10,000
11,200
6,900
9,400
10,500
20
22
21
114,800
102,600
79,700
86,600
119,700
144,400
IH-635
HOV
27,200
24,200
17,800
20,800
28,400
31,800
142,000
126,800
97,500
107,400
148,100
176,200
S GARLAND
S SHILOH
NW HWY


ROW
EXISTING
℄ IH635
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 (TY II)
2.08% (TYP)
1.56% (TYP)
PYLON
CTB
CUT SECTION
FILL SECTION

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


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

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 926+00 (RT)
STA 894+00 TO STA 929+00 (LT)


ROW
EXISTING
℄ IH635
EXIST ROW - VARIES (330'-990')
73' EXIST PAVEMENT
10' SHLDR
11' LANE
5' BUFFER
11' HOV LANE
9" (MIN)
VARIES 3:1 MAX
2.08% (TYP)
1.56% (TYP)
PYLON
CTB

IH 635 PROPOSED TOLL GANTRY
STA 535+50
STA 654+00
STA 769+00

PROPERTY OWNER INFORMATION			
ID	SITE ADDRESS	OWNER	OCCUPANT
213	11438 LBJ FWY	BROWN BROTHERS INVESTMENTS LP	GATEWAY BUICK
214	11900 LBJ FWY	BROWN BROTHERS INVESTMENTS LP	GATEWAY BUICK
215		KANSAS CITY SOUTHERN RR PROPERTY TAX DEPT	KANSAS CITY SOUTHERN RR TRACK
216	11611 LBJ FWY	JUPITER CHEVROLET PPTIES C/O MICHAEL G MATETICH SR	JUPITER CHEVROLET
217	11550 LBJ FWY	CHRYSLER GROUP REALTY COMPANY LLC	DALLAS DODGE CHRYSLER JEEP
218	11675 LBJ FWY	CAR SON MAS GAR LP SUITE 950	MASSEY CADILLAC
219	11800 MCCREE RD	CLEAR CHANNEL OUTDOOR INC ATTN : PROPERTY TAX	BILLBOARD
220	11801 MCCREE RD	WILMINGTON TRUST CO TR ATTN: ANN MCGRELLIS - 0225	UNITED ARTISTS GALAXY THEATRE
221	11700 MCCREE RD	CLEAR CHANNEL OUTDOOR INC ATTN : PROPERTY TAX	BILLBOARD
222	2900 MCCREE RD	TEXAS UTILITIES ELEC CO % STATE & LOCAL TAX DEPT	OVERHEAD TRANSMISSION LINE
223	2950 MCCREE RD	ATMC INVESTMENTS INC	UNDEVELOPED
224	2820 MCCREE RD	ATMC INVESTMENTS INC	UNDEVELOPED
225	11500 MCCREE RD	DALLAS CITY OF	SAMUEL GARLAND PARK
226	2800 MCCREE RD	ATMC INVESTMENTS INC	MORGAN MANAGEMENT CORPORATION
227		KANSAS CITY SOUTHERN RR	KANSAS CITY SOUTHERN RR TRACK
228	12101 SELF PLAZA DR	B L C INC	HERB'S PAINT AND
229	12200 GARLAND RD	TEXAS UTILITIES ELEC CO % STATE & LOCAL TAX DEPT	OVERHEAD TRANSMISSION LINE
230	2780 MCCREE RD	ATMC INVESTMENTS INC	MORGAN MANAGEMENT CORPORATION
231	12115 SELF PLAZA DR	PAREL PARTNERS LTD	HOME CARE MEDICAL SUPPLY
232	12235 SELF PLAZA DR	DAVE CAPPS FAMILY LP	CAPPS VAN AND CAR RENTAL
233	2700 MCCREE RD	ATMC INVESTMENTS INC	MORGAN MANAGEMENT CORPORATION
234	12243 SELF PLAZA DR	NAGHIAN MOSTAFA	OVERHEAD TRANSMISSION
235	12253 SELF PLAZA DR	NAGHIAN MOSTAFA	AUTOSFELIX.COM
236		KANSAS CITY SOUTHERN RR	KANSAS CITY SOUTHERN RR TRACK
237	12215 LBJ FWY	SIX SAC SELF STORAGE CORP	UHAUL MOVING &
238	12277 SHILOH RD	ALLEE JIM OLDS CO	RUSTY WALLIS HONDA
239		KANSAS CITY SOUTHERN RR PROPERTY TAX DEPT	KANSAS CITY SOUTHERN RR TRACK
240	4101 S SHILOH RD	BROWN DEE INC	DEE BROWN INC.
241	12200 SHILOH RD	TEXAS UTILITIES ELEC CO % STATE & LOCAL TAX DEPT	OVERHEAD TRANSMISSION LINE
242	12625 LBJ FWY	DALLAS AREA RAPID TRANSIT	DART BUS STATION
243	12635 LBJ FWY	WALLIS RUSTY FAM LP	RUSTY WALLIS VOLKSWAGON
244	12715 LBJ FWY	REALTY INCOME PROPERTIES 8 LLC % LEGAL DEPARTMENT	CAR MAX
245	12721 LBJ FWY	GARLAND NW LLC	LA QUINTA INN
246	12733 LBJ FWY	LAMBERTH WM J TRUSTEE % DENNYS	DENNY'S
247	2135 W NORTHWEST	VAQUERO GARLAND PARTNERS LLC	JUST BRAKES
248	2102 W NORTHWEST	SANTA ANITA INC	UNDEVELOPED
249	2118 EASTGATE DR	RACETRAC PETROLEUM INC STE 100	UNOCCUPIED BUILDING
250	2120 EASTGATE DR	ELLER MEDIA COMPANY	BILLBOARD
251	11820 SHILOH RD	TEXAS UTILITIES ELEC CO % STATE & LOCAL TAX DEPT	OVERHEAD TRANSMISSION LINE
252	2010 EASTGATE DR	EASTGATE PARTNERS LLC SUITE 1000	DOBSON FLOORS
253	2002 EASTGATE DR	W PARNELL III LLC	MOVIE HOUSE
254	1910 EASTGATE DR	EASTGATE FUNERAL HOME INC	EASTGATE FUNERAL
255	1902 EASTGATE DR	YELED VENTURE LTD	EL CHICO
256	1810 EASTGATE DR	EAI REALTY INC SUITE 305	REMINGTON COLLEGE - DALLAS CAMPUS
257	1800 EASTGATE DR	EAI REALTY OF TEXAS LP	REMINGTON COLLEGE - DALLAS CAMPUS
258	1700 EASTGATE DR	AMBERTON UNIVERSITY	AMBERTON UNIVERSITY

EI635-15
PI STATION = 764+58.52
DELTA = 30° 59' 41.05" (LT)
DEGREE OF CURVE = 1° 30' 00.00"
TANGENT = 1,059.11
LENGTH = 2,066.32
RADIUS = 3,819.72
PC STATION = 753+99.41
PT STATION = 774+65.73
PROPOSED SIGN 43
NB STA 765+50
EXISTING COSS
EXPRESS LANE
ENTRANCE
½ MILE
LEFT LANE
PROPOSED SIGN 44
NB STA 772+50
PROPOSED COSS
EXPRESS LANE
TO Park Central Dr Hillcrest Rd
HOV 2+ $ XXX
$ XXX
NO TAG $ XXX
EI635-16
PI STATION = 793+11.82
DELTA = 22° 21' 55.23" (RT)
DEGREE OF CURVE = 1° 30' 00.00"
TANGENT = 755.12
LENGTH = 1,491.02
RADIUS = 3,819.72
PC STATION = 785+56.69
PT STATION = 800+47.72
PROPOSED SIGN 45
NB STA 784+50
PROPOSED COSS
EXPRESS LANE
NO TxTag
NO PROBLEM
PAY BY MAIL
PROPOSED SIGN 46
NB STA 796+00
PROPOSED COSS
EXPRESS LANE
ENTRANCE
1 MILE
LEFT LANE
TxTag
MATCH LINE STA 755+00
MATCH LINE STA 860+00
EI635 STA 780+00.00
END CSJ: 2374-01-176
EI635 STA 780+00.00
BEGIN CSJ: 2374-02-142
STA 769+00.00
PROPOSED EB/WB
TOLL GANTRY #3
PROPOSED MAINTENANCE
AREA FOR TOLL GANTRY #3
BEGIN BRIDGE STA 774+90
END BRIDGE STA 775+37
BEGIN BRIDGE STA 780+06
END BRIDGE STA 783+20
EXIST 2-30" RCP
EI635 STA 780+57
BEGIN BRIDGE STA 801+80
END BRIDGE STA 804+86
BEGIN BRIDGE STA 810+85
END BRIDGE STA 813+00
BEGIN BRIDGE STA 826+47
END BRIDGE STA 829+14
EXIST 6-7' X 4' MBC
EI635 STA 839+24
EXIST 4-5' X 2' MBC
EI635 STA 855+63
PI 800+47.72
S 54° 05' 08.34" E
760+00
765+00
770+00
775+00
780+00
785+00
790+00
795+00
800+00
805+00
810+00
815+00
820+00
825+00
830+00
835+00
840+00
845+00
850+00
855+00
MCCREE RD
EXECUTIVE DR
KCS RR
S GARLAND AVE
KCS RAILROAD
S SHILOH RD
LEON RD
NW HWY
LONG BRANCH
FLOW
N
214
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258

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
EI635	EI635-17	5729.58	60	880+64	883+64	0.022	890+53	893+53
EI635	EI635-18	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.

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TEXAS DEPARTMENT OF TRANSPORTATION®

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

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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 4 OF 6

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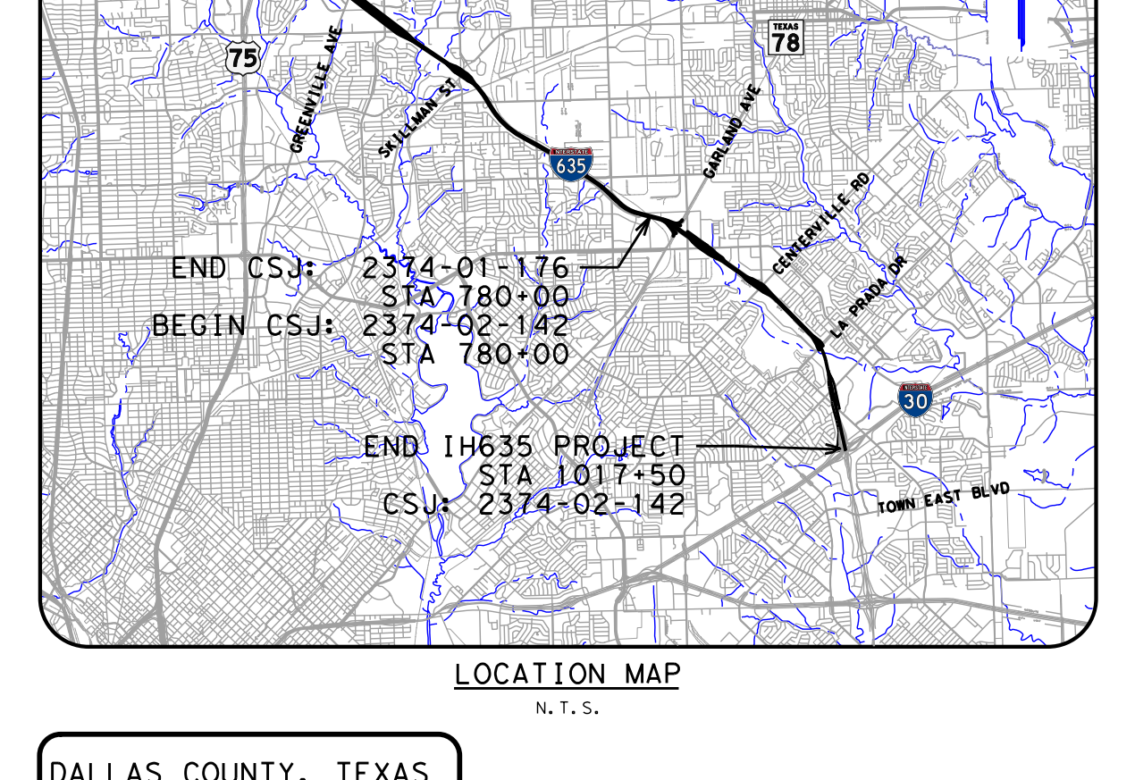
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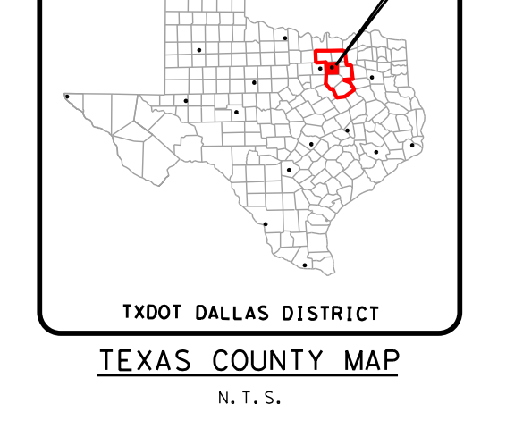
STA 780+00
END IH635 PROJECT
STA 1017+50
CSJ: 2374-02-142
75
78
635
30
TOWN EAST BLVD

LOCATION MAP
N.T.S.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