TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT

CEASON CLEMENS, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC

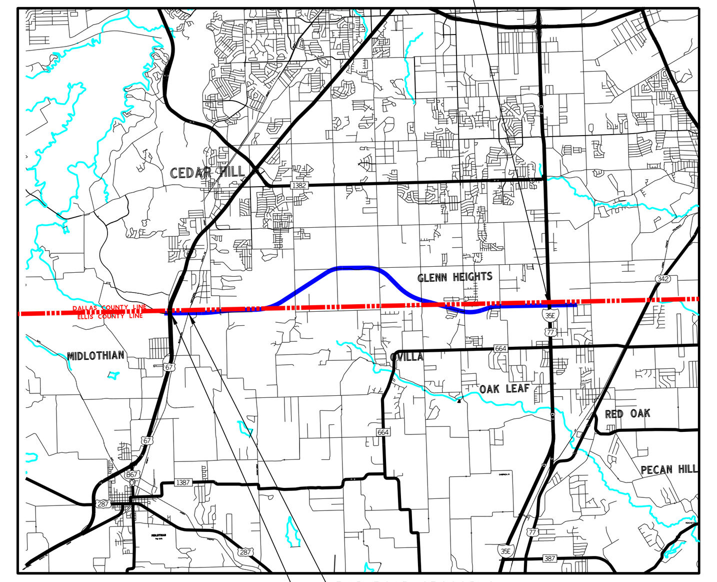
LOOP 9 SEGMENT A, ETC
DALLAS & ELLIS COUNTIES

CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 52,661.00 Feet = 9.97 Miles

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

FRONTAGE ROADS (URBAN COLLECTOR) - 50 MPH
CROSS STREETS - 40 MPH
U-TURNS (URBAN COLLECTOR) - 20 MPH



DESIGN SCHEMATIC - LOOP 9 DALLAS/ELLIS COUNTY

COUNTY: DALLAS/ELLIS DATE: DECEMBER 2023

ROLL 11 OF 12

APPROVED SCHEMATIC
NOT FOR CONSTRUCTION

SCHEMATIC PREPARED BY:
BGE, INC.
REGISTRATION NUMBER F-1046
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:
HOSSEIN M. HOSSEINY, P.E. 118668
NAME P.E. NUMBER
COLTON A. GILL, P.E. 138503
NAME P.E. NUMBER
12/4/2023
DATE

HORIZONTAL SCALE 0 50 100 200 300
VERTICAL SCALE 0 5 10 20 30

ROLL 11 OF 12

BGE, Inc.
2595 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 • www.bgeinc.com
TBPE Registration No. F-1046

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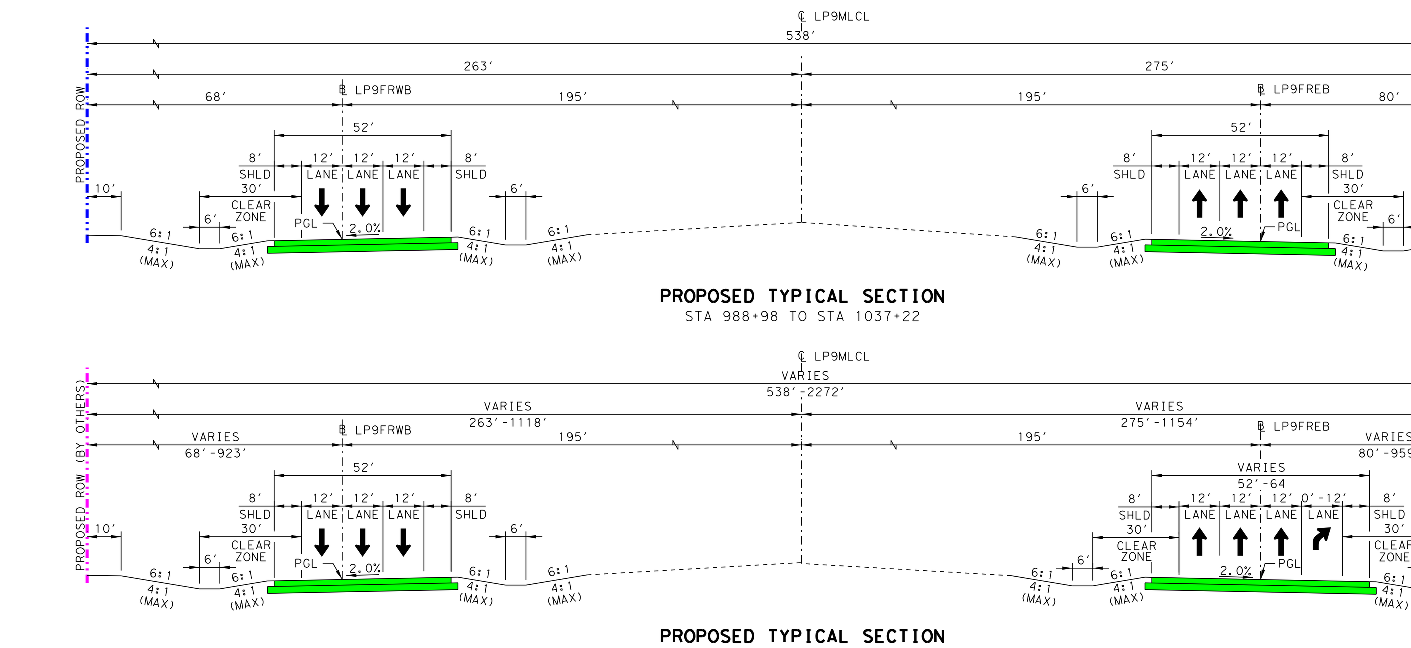
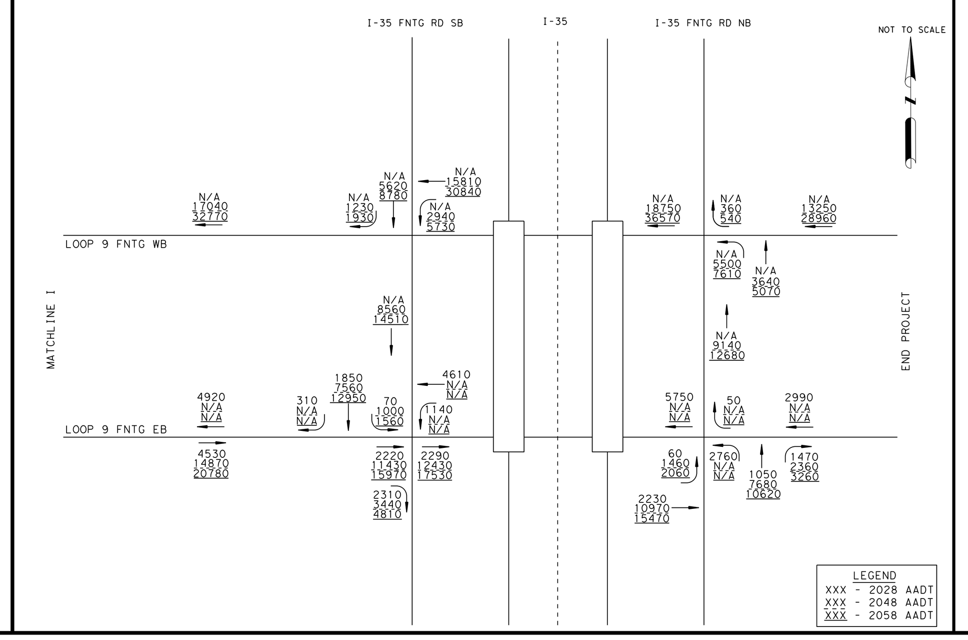


IH 35 TRAFFIC DIAGRAM



DALLAS COUNTY	
PARCEL ID	OWNER
519	LEE MING ZE
527	COLLARD WILLIAM D & SHERRY MARTIN
530	REYES FAUSTINO
531	LEWIS GEORGE A JR & VALERIE LEWIS JAFFE
533	LETCO ACQUISITION LLC
534	ROSS BARBARA ETAL
536	GARZA RENE ETAL & ADAM
537	DELSEIRRA FRANCISCO
538	MILLER JOHN ARLON SR
539	MILLER JOHN ARLON SR
542	DURBIN ANNA JO
544	DURBIN ANNA JO
546	ALNACHAWATI NOUR
548	HILZ SAMUEL R

ELLIS COUNTY	
PARCEL ID	OWNER
558E	MEADOWRIDGE 100 LLC
559E	LEE MING-ZE
560E	MANN PAUL
561E	LEWIS GEORGE A JR &
562E	HOUSE OF PRAISE MINISTRIES INC
563E	MANN PAUL
565E	TEXAS DEPARTMENT OF TRANSPORTATION
566E	RIVERFRONT PROPERTIES LP
567E	GARZA ARALIE L/E
568E	VICTRON STORES LP
569E	GARZA ARALIE L/E
570E	TEXAS DEPARTMENT OF TRANSPORTATION
572E	TEXAS DEPARTMENT OF TRANSPORTATION
573E	LOPEZ LUIS & GRACIE
574E	RAMIREZ EMILIANO
575E	CLEMENTS RICHARD & NANCY
577E	TEXAS DEPARTMENT OF TRANSPORTATION
578E	FERNANDEZ-BALBUENA NESTOR M & MARIA A
579E	DAVILA ADAN
580E	ALVIDREZ MARIA & LUCINA MOYA
581E	BOYD ELIZABETH D
582E	MAR-TREVINO RAMIRO & BLANCA
585E	DAVILLA ADAN & MARGARITA
586E	REYES ROSAURA
587E	BARRADAS SERGIO L
588E	TEXAS DEPARTMENT OF TRANSPORTATION
589E	HORN DEBRA J
593E	SOTO JUAN C N
594E	TEXAS DEPARTMENT OF TRANSPORTATION
595E	SCHWING THOMAS M & PAULETTE D
596E	VAZQUEZ-LUVIANO NABOR
597E	TEXAS STATE OF DEPT OF
600E	VELAZQUEZ YRAM T
601E	ALMANZA HECTOR & MARIE
602E	TEXAS DEPARTMENT OF TRANSPORTATION
605E	LOPEZ FERNANDO
610E	VALDEZ JUAN & MARTHA
611E	TEXAS DEPARTMENT OF TRANSPORTATION
612E	TEXAS DEPARTMENT OF TRANSPORTATION
613E	TEXAS DEPARTMENT OF TRANSPORTATION
614E	TEXAS DEPARTMENT OF TRANSPORTATION
615E	TEXAS DEPARTMENT OF TRANSPORTATION
616E	TEXAS DEPARTMENT OF TRANSPORTATION
617E	TEXAS DEPARTMENT OF TRANSPORTATION
618E	TEXAS DEPARTMENT OF TRANSPORTATION
619E	TEXAS DEPARTMENT OF TRANSPORTATION
620E	THE STATE OF TEXAS
693E	TEXAS DEPARTMENT OF TRANSPORTATION
703E	TEXAS DEPARTMENT OF TRANSPORTATION

PLAN LEGEND

- PROPOSED ℄/℞
- PROPOSED ROW
- EXISTING ROW
- PROPOSED ROW (BY OTHERS)
- CONTROL OF ACCESS
- PROPERTY LINES
- CITY LIMITS
- 100 YR FLOODPLAIN LIMITS
- EXISTING PLANIMETRIC FEATURES
- COUNTY LINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED TRAFFIC BARRIER
- PROPOSED RETAINING WALL
- PROPOSED BRIDGE BENT
- PROPOSED CULVERT
- OVERHEAD ELECTRIC
- E1 UNDERGROUND ELECTRIC
- T1 TELEPHONE
- CATV1 CABLE TV
- FO1 FIBER OPTIC
- G1 GAS
- W1 WATER
- WW1 WASTEWATER
- STM1 STORMWATER
- PROPOSED DIRECTION OF TRAVEL
- EXISTING DIRECTION OF TRAVEL
- PROPOSED BRIDGE
- PROPOSED MAIN LANES
- PROPOSED FRONTAGE ROAD
- PROPOSED RAMP
- PROPOSED DIRECT CONNECTOR
- PROPOSED CROSS STREET
- PROPOSED TEMPORARY PAVEMENT
- PROPOSED SIDEWALK
- FEASIBLE DRIVEWAY LOCATION (SEE NOTE 17)
- PAVEMENT TO BE REMOVED
- POTENTIAL DISPLACEMENT
- (XXXXX-##) CURVE ID
- (XX) PARCEL ID

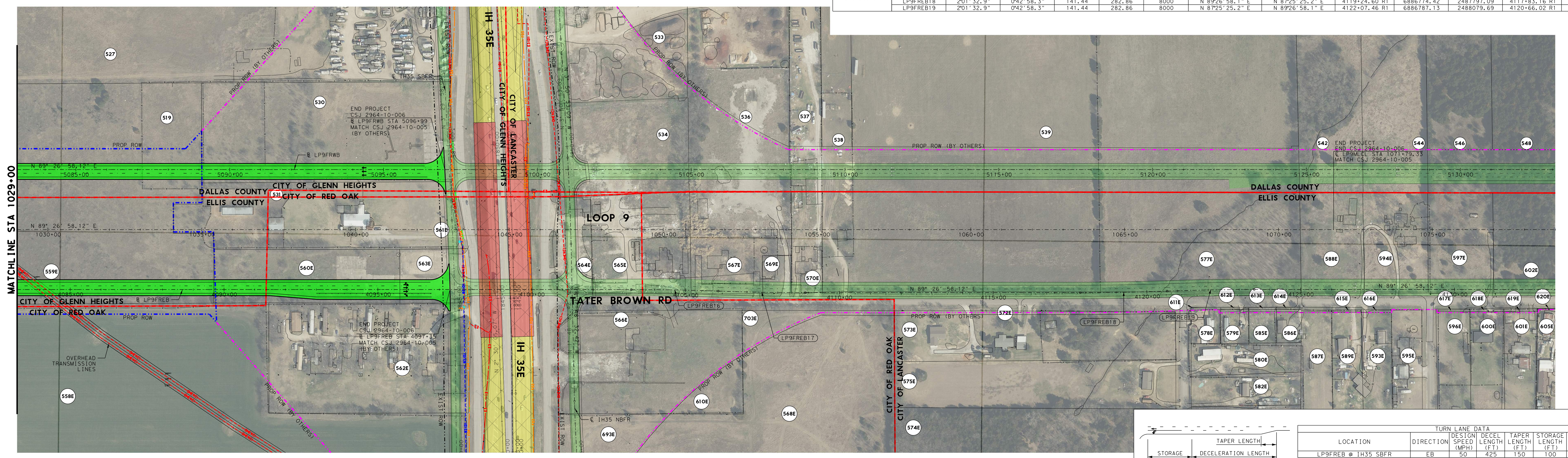
GENERAL NOTES:

1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL SURVEYS DATED DECEMBER 2013 AND RECORD PLANS.
2. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL.
3. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, RAIL, BARRIER, OR WALL (UNLESS NOTED OTHERWISE). REFER TO TYPICAL SECTIONS FOR BARRIER TYPES AND LIMITS.
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48113C0630K, 48113C0610K, 48113C0605K, 48113C0615K, 48139C0050F, 48139C0075F AND 48113C0640K
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS, ELLIS, COUNTY APPRAISAL DISTRICTS (LATEST DATA AVAILABLE AS OF 2022).
6. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY
7. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN COORDINATION WITH THE LOCAL GOVERNMENT THAT THE DRIVEWAY IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS.
8. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
9. CURBS ARE TYPE II (5") UNLESS NOTED OTHERWISE.
10. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT
11. WHERE CONTROL OF ACCESS IS NOT SHOWN AT THE RAMP LOCATIONS, CONTROL OF ACCESS WILL BE REVIEWED AND DENIED AT THE DISCRETION OF THE AREA OFFICE THROUGH THE DRIVEWAY PERMIT PROCESS.
12. EXISTING PAVEMENT/BRIDGES LOCATED WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED (UNLESS NOTED OTHERWISE).
13. ALL CROSS STREETS CORNER RADII ARE 50 FT MINIMUM UNLESS NOTED OTHERWISE.
14. ALL DRIVEWAYS CORNER RADII ARE 25 FT MINIMUM UNLESS NOTED OTHERWISE.
15. ALL MAINLANE MEDIAN CONCRETE TRAFFIC BARRIERS SHALL BE SINGLE SLOPE CONCRETE BARRIER (SSCB) UNLESS NOTED OTHERWISE.
16. INTERSECTION TRAFFIC SIGNAL WARRANT STUDY TO BE PERFORMED IN DETAILED DESIGN.
17. EXACT LOCATION OF FEASIBLE DRIVEWAYS CAN VARY AND SUBJECT TO THE DRIVEWAY PERMITTING PROCESS WITH TXDOT DALLAS DISTRICT AREA OFFICE

ROLL INDEX

ROLL 1: LOOP 9 MAINLANES BEGIN PROJECT TO STA 582+00
ROLL 2: LOOP 9 MAINLANES STA 582+00 TO STA 632+00
ROLL 3: LOOP 9 MAINLANES STA 632+00 TO STA 682+00
ROLL 4: LOOP 9 MAINLANES STA 682+00 TO STA 732+00
ROLL 5: LOOP 9 MAINLANES STA 732+00 TO STA 782+00
ROLL 6: LOOP 9 MAINLANES STA 782+00 TO STA 832+00
ROLL 7: LOOP 9 MAINLANES STA 832+00 TO STA 879+00
ROLL 8: LOOP 9 MAINLANES STA 879+00 TO STA 929+00
ROLL 9: LOOP 9 MAINLANES STA 929+00 TO STA 979+00
ROLL 10: LOOP 9 MAINLANES STA 979+00 TO STA 1029+00
ROLL 11: LOOP 9 MAINLANES STA 1029+00 TO END PROJECT
ROLL 12: CROSS STREET AND U TURN PROFILES

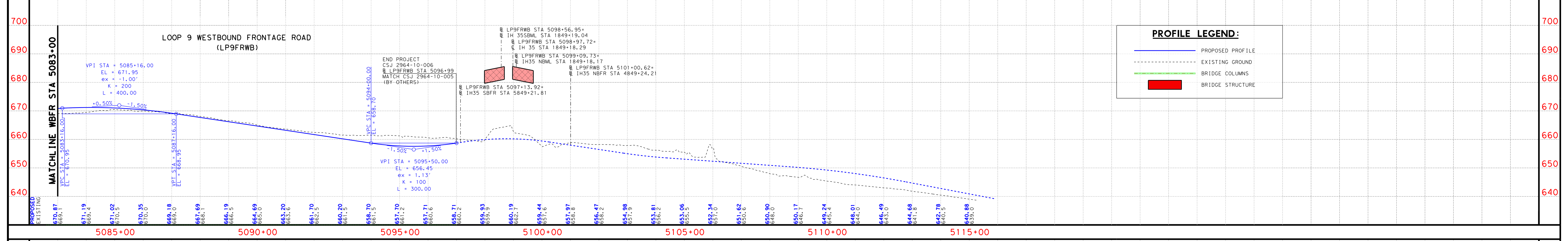
CURVE DATA													
	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	PI STATION	PI NORTHING	PI EASTING	PC STATION	PT STATION
FRONTAGE ROADS													
EASTBOUND	LP9FREB16	2°01'32.9"	0°42'58.3"	141.44	282.86	8000	N 89°26'58.1" E	S 88°31'28.9" E	4104+65.22 R1	6886770.39	2486337.79	4103+23.77 R1	4106+06.63 R1
	LP9FREB17	2°01'32.9"	0°42'58.3"	141.44	282.86	8000	S 88°31'28.9" E	N 89°26'58.1" E	4107+48.07 R1	6886763.11	2486620.58	4106+06.63 R1	4108+89.49 R1
	LP9FREB18	2°01'32.9"	0°42'58.3"	141.44	282.86	8000	N 89°26'58.1" E	N 87°25'25.2" E	4119+24.60 R1	6886774.42	2487797.09	4117+83.16 R1	4120+66.02 R1
	LP9FREB19	2°01'32.9"	0°42'58.3"	141.44	282.86	8000	N 87°25'25.2" E	N 89°26'58.1" E	4122+07.46 R1	6886787.13	2488079.69	4120+66.02 R1	4123+48.87 R1



TURN LANE DECELERATION

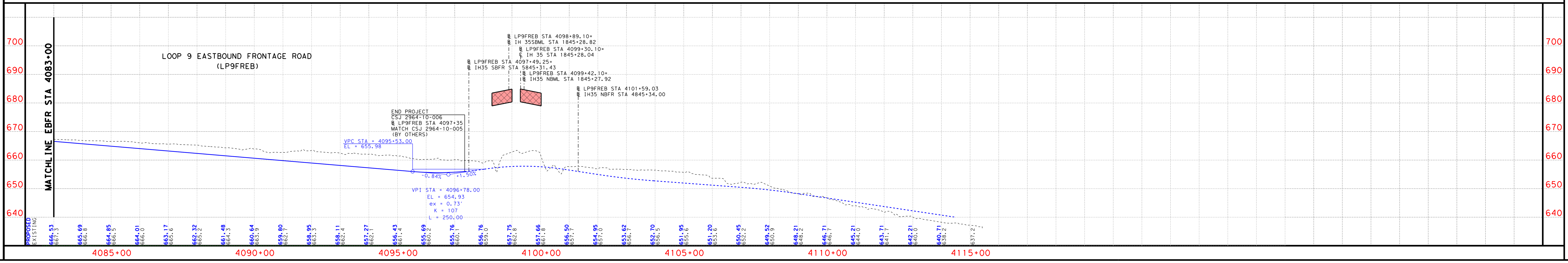
STORAGE LENGTH — TAPER LENGTH — DECELERATION LENGTH — TOTAL LENGTH

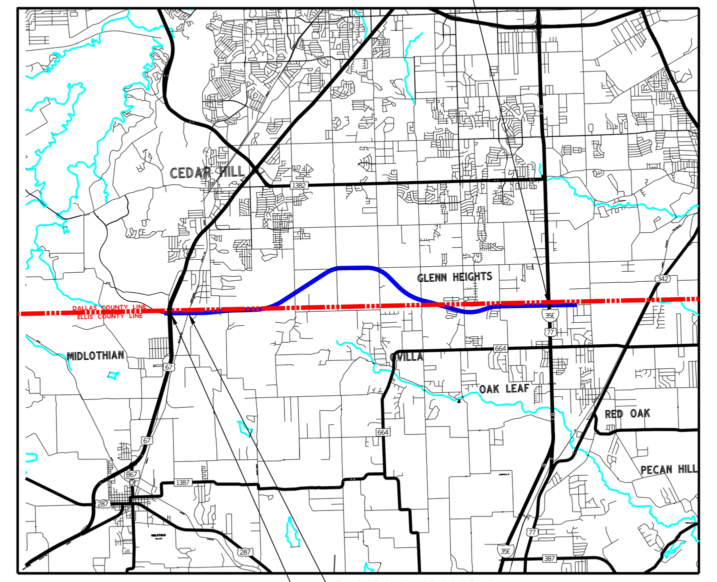
TURN LANE DATA							
LOCATION	DIRECTION	DESIGN SPEED (MPH)	DECEL LENGTH (FT)	TAPER LENGTH (FT)	STORAGE LENGTH (FT)	U-TURN/ RIGHT TURN	TOTAL LENGTH (FT)
LP9FREB @ IH35 SBFR	EB	50	425	150	100	RIGHT	525



PROFILE LEGEND:

- PROPOSED PROFILE
- EXISTING GROUND
- BRIDGE COLUMNS
- BRIDGE STRUCTURE





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DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER
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DALLAS & ELLIS COUNTIES
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