TEXAS DEPARTMENT OF TRANSPORTATION

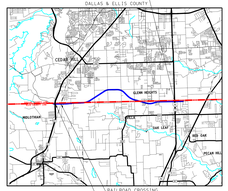
DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

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



APPROVED SCHEMATIC
NOT FOR CONSTRUCTION

SCHEMATIC PREPARED BY:
REGISTERED PROFESSIONAL ENGINEER
FOR INTERIM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the supervision of:
HOSSEIN M. HOSSEINI, P.E. 119868
NAME P.E. NUMBER
COLTON A. GILLI, P.E. 119868
NAME P.E. NUMBER
12/4/2023
DATE

ORIGINAL SCALE
HORIZONTAL SCALE 1" = 100'
VERTICAL SCALE 1" = 10'

ROLL 7 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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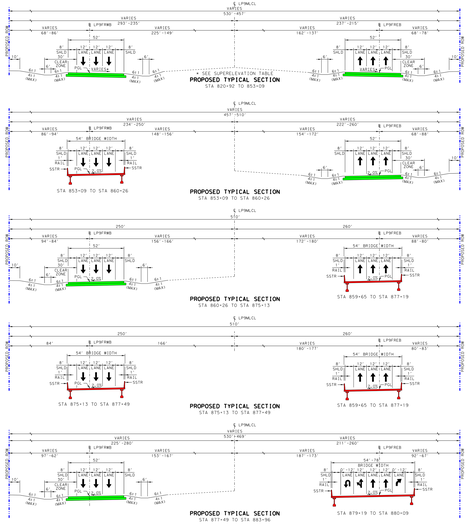
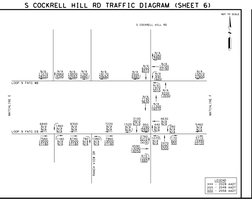
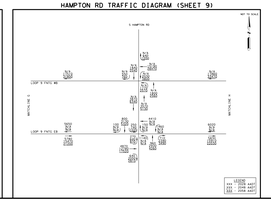
DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY
COUNTY: DALLAS/ELLIS
DATE: DECEMBER 2023
ROLL 7 OF 12



S COCKRELL HILL RD TRAFFIC DIAGRAM (SHEET 6)



HAMPTON RD TRAFFIC DIAGRAM (SHEET 9)



PLAN LEGEND

PROPOSED E/B
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 RAIL
PROPOSED CULVERT
OVERHEAD ELECTRIC
UNDERGROUND ELECTRIC
TELEPHONE
CABLE TV
FIBER OPTIC
GAS
WATER
WASTEWATER
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
CURVE ID
PARCEL ID

GENERAL NOTES:

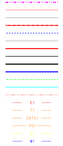
1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL SURVEYS DATED DECEMBER 2013 AND RECORD PLANS.
2. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE POL.
3. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, RAIL, BARRIER, OR WALL (UNLESS NOTED OTHERWISE). REFER TO TYPICAL SECTIONS FOR BARRIER TYPES AND LIMITS.
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FIRM MAPS 48113C0465J, 48113C0470J, 48113C0485J, 48113C0490J, 48113C0495J, 48113C0505J, 48113C0510J, AND 48113C0520J.
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM TXDOT RIGHT OF WAY INVENTORY (DATA SOURCE: TXDOT SAFETY DATA AVAILABLE AS OF 2022).
6. EXISTING CULVERT LOCATIONS, SIZES, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
7. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN DESIGN THAT THE DRIVEWAY CONFLICTS WITH THE DESIGN. DRIVEWAY IS A CONFLICT WITH THE PROPOSED DESIGN IF IT CROSSES THE DIVERGE POINT.
8. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
9. CURBS ARE TYPE II (6") UNLESS NOTED OTHERWISE.
10. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE DESIGN PHASE OF THE PROJECT.
11. WHERE TRAFFIC SIGNALS ARE NOT SHOWN AT THE RAMP LOCATIONS, THE RAMP TERMINI WILL BE REVIEWED AND DESIGNED AT THE DISCRETION OF THE AREA OFFICE THROUGH THE DRIVEWAY PERMIT PROCESS.
12. EXISTING PAVEMENT/BRIDGES LOCATED WITHIN 5 UNITS 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

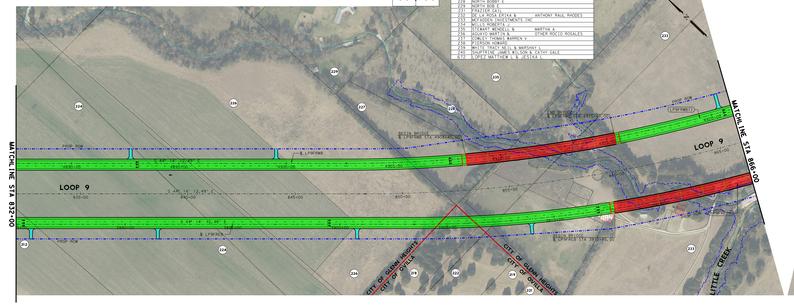
ROLL 1: LOOP 9 MAINLANES, BEGIN PROJECT TO STA 582+00
ROLL 2: LOOP 9 MAINLANES, STA 582+00 TO STA 632+00
ROLL 3: LOOP 9 MAINLANES, STA 632+00 TO STA 682+00
ROLL 4: LOOP 9 MAINLANES, STA 682+00 TO STA 732+00
ROLL 5: LOOP 9 MAINLANES, STA 732+00 TO STA 782+00
ROLL 6: LOOP 9 MAINLANES, STA 782+00 TO STA 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

CENTER NAME	CURVE NAME	BEGIN CROSS	BEGIN TRANSITION	BEGIN FULL SUPER	SUPER RATE	END FULL SUPER	END TRANSITION	END CROSS SLOPE	CROSS SLOPE SIGN CONVENTION
_LPFRREB	LPSFRREB	-2.00%	3873+40	3873+90	-3.80%	3883+50	3885+00	-2.00%	
_LPFRREB	LPSFRREB	-2.00%	2901+40	2901+90	2.00%	3931+50	3933+00	-2.00%	

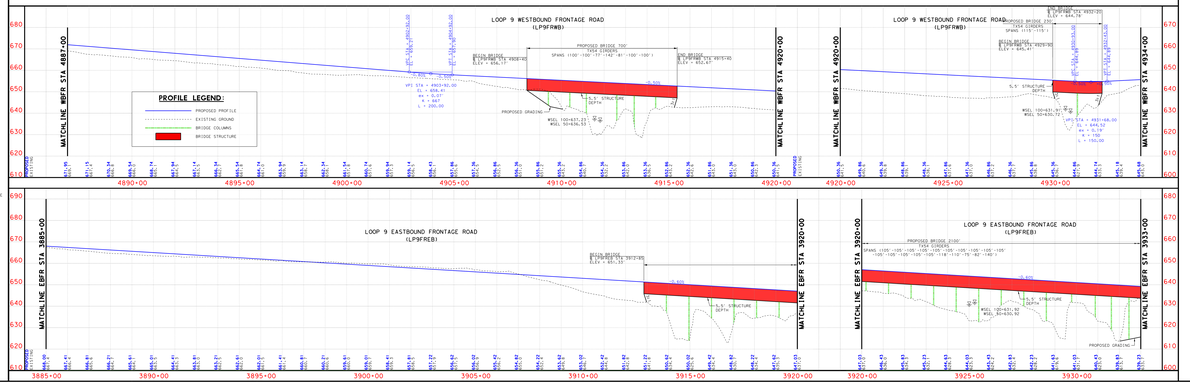
FOR BASELINES THE INSIDE EDGE OF PAVEMENT IS USED FOR SIGN CONVENTION



PARCEL ID	OWNER
1.0	BOLTING DONALD
2.0	HOUSING AUTHORITY OF ARLEN
3.0	YOUNG BETTY
4.0	YOUNG BETTY
5.0	HOUSING AUTHORITY OF ARLEN
6.0	TORRES MARY
7.0	TORRES MARY & CLEARANCE
8.0	NORTH BUDDY
9.0	NORTH BUDDY E
10.0	NORTH BUDDY E
11.0	SALAZAR ERIC
12.0	DA 3 M HOUSE TRUSTEE & ANTHONY RAUL RHODES
13.0	MCCLOUD MARGARET L
14.0	MCCLOUD MARGARET L
15.0	STEWART MENDEL L & MARTHA L
16.0	STEWART MENDEL L & ROBERT MUSCO MOSELEY
17.0	STEWART MENDEL L
18.0	WITCHER HOWARD
19.0	WITCHER HOWARD & MARGARET L
20.0	TEXAS STATE OF & CHAPTER SALE
21.0	TEXAS STATE OF & CHAPTER SALE



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	LPFRREB	19°24'16.1"	19°17'14.1"	1155.55	2324.76	5000	S 49°17'13.1" E	S 19°41'29.2" E	3811+23.48 E	6888291.12	2422476.1	3657+67.93	3933+43.69
WESTBOUND	LPSFRREB	19°24'16.1"	19°24'54.4"	1155.55	2324.76	5000	S 49°24'54.4" E	S 19°41'29.2" E	3811+23.48 E	6888291.12	2422476.1	3657+67.93	3933+43.69



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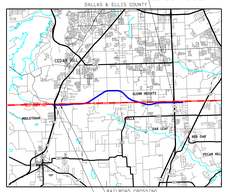

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