TEXAS DEPARTMENT OF TRANSPORTATION

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

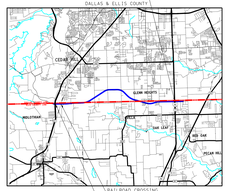
DESIGN SCHEMATIC
LOOP 9 SEGMENT A, ETC
DALLAS & ELLIS COUNTIES

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



PRELIMINARY
SUBJECT TO CHANGE BASED ON FURTHER DEVELOPMENTS RESULTING FROM PUBLIC INPUT AND TECHNICAL REVIEW

SCHEMATIC PREPARED BY:
REGISTERED FIRM: TBPE F-1046
FOR INTERIM REVIEW ONLY; NOT FOR PERMITTING, BIDDING OR CONSTRUCTION
Prepared by or under the supervision of:
HOSSEIN M. HOSSEINI, P.E. 119868
P.E. NUMBER
COLTON A. ELLIS, P.E. 137800
NAME P.E. NUMBER
12/5/2022
DATE

HORIZONTAL SCALE: 0 200 400
VERTICAL SCALE: 0 5 10

ROLL 3 OF 12

BGE, Inc.
2906 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 ● www.bgeinc.com
TBPE Registration No. F-1046

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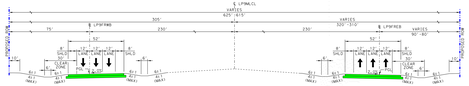
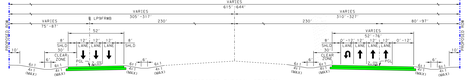
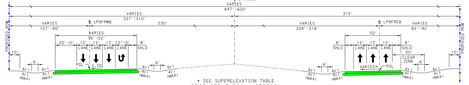
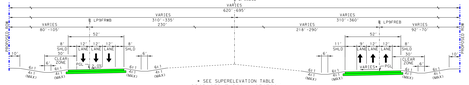
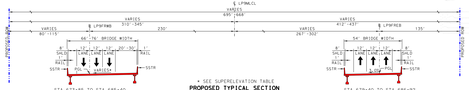
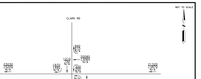












PARCEL	OWNER
37	DELAGER RANCHES LTD
38	DELAGER RANCHES LTD & ROBERT TOM
39	BUTLER-LYSTON TRUST
40	DELAGER RANCHES LTD
41	DELAGER RANCHES LTD & AMBER JOHN JR & JOHN & PATRICIA LAMAR TR

PARCEL	OWNER
055	CASTILLO LUCIANO JR
056	TORRES LUCIANO II
057	CHAPMAN JOHN & ANN
058	CHAPMAN JOHN & ANN & JAMES INC
059	MCNALL PROPERTIES INC
060	MCNALL PROPERTIES INC
061	ALVARADO ORTIZ & ROSELINA FUENTES
062	MORRIS AMANDA & MARTIN
063	SILVER DALE & SHIRLEY M & SHELLY M
064	SILVER DALE &

PLAN LEGEND

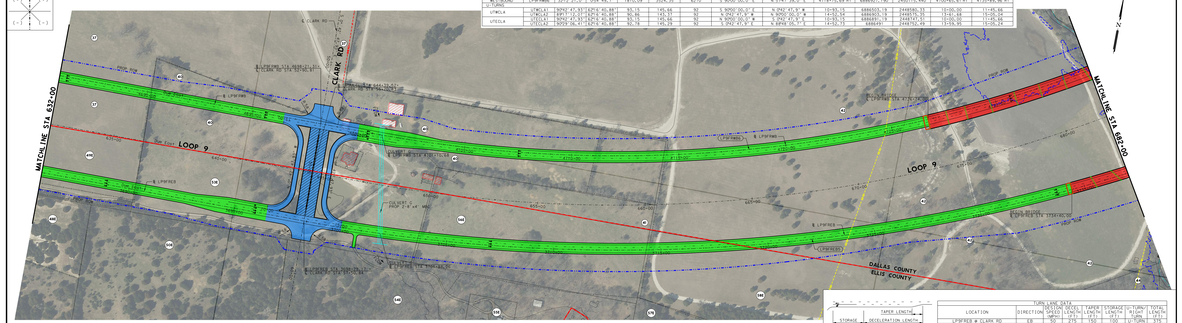
- PROPOSED E/B
- PROPOSED ROW
- EXISTING ROW
- PROPOSED ROW (BY OTHERS)
- CONTROL OF ACCESS
- PROPERTY LINES
- CITY LIMITS
- 100 YR FLOODPLAIN LIMITS
- EXISTING PLANIMETRIC FEATURES
- COUNTY LINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED TRAFFIC BARRIER
- PROPOSED RETAINING WALL
- PROPOSED BRIDGE RAIL
- 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
- 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 48113C0460J, 48113C0465J, 48113C0470J, 48113C0485J, 48113C0487J, 48113C0495J, 48113C0505J, 48113C0510J AND 48113C0530H.
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM TXDOT RIGHT OF WAY DIVISION (RECORD DATA). (LATEST DATA AVAILABLE AS OF 2022).
6. EXISTING CULVERT LOCATIONS, SIZES, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND SHOWN FOR INFORMATIONAL PURPOSES ONLY.
7. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN CONSTRUCTION REVIEW TO CONFLICT WITH PROPOSED IMPROVEMENTS. A DRIVEWAY WILL BE ADDED TO EXISTING PROPERTIES WHEN REQUESTED.
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 PROVIDED ACCORDING TO TXDOT STANDARDS AND POLICIES.
11. THE DIAGONAL OF PARKING IS NOT SHOWN AT THE RAMP LOCATIONS. CONTROL OF ACCESS WILL BE REVIEWED AND DECIDED AT THE DISTRICTION OF THE AREA OFFICE THROUGH THE DRIVEWAY PERMIT PROCESS.
10. EXISTING PAVEMENT/BRIDGES LOCATED WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED (UNLESS NOTED OTHERWISE).
15. ALL CROSS STREETS CORNER RADII ARE 50 FT MINIMUM UNLESS NOTED OTHERWISE.
16. 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 OPTIONAL REVIEW.

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



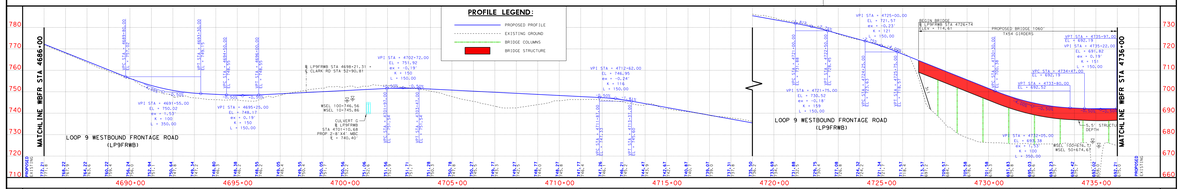
CURVE DATA

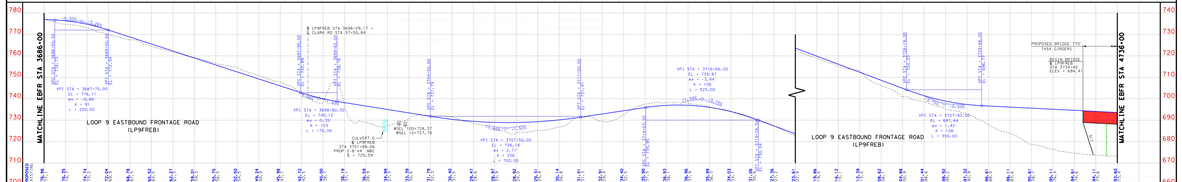
	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	PI STATION	PI NORTHING	PI EASTING	PC STATION	PT STATION
FRONTAGE ROADS													
EASTBOUND	LPSFERB5	1.95°/1.2°	0°42'-16.1"	1411.00	2811.48	8000	S 90°00'-00.0" W	N 89°06'-45.8"	1372+16.00	6884847.51	2481115.840	3698+45.81	3726+57.29
WESTBOUND	LPSFWRB5	1.95°/1.2°	0°42'-16.1"	1411.00	2811.48	8000	S 90°00'-00.0" W	N 89°06'-45.8"	1372+16.00	6884847.51	2481115.840	3698+45.81	3726+57.29
U-TURNS													
UTRC1A	URC1A1	50°52'-41.5"	6°34'-45.8"	55.15	105.66	50	N 90°00'-00.0" W	N 39°42'-41.8"	1+00.15	6884555.15	2498885.15	1+00.00	1+05.66
	UTC1A1	50°52'-41.5"	6°34'-45.8"	55.15	105.66	50	S 39°42'-41.8" E	S 90°00'-00.0" W	1+00.15	6884555.15	2498885.15	1+00.00	1+05.66
UTRC1B	URC1B1	50°52'-41.5"	6°34'-45.8"	55.15	105.66	50	N 90°00'-00.0" W	N 39°42'-41.8"	1+00.15	6884555.15	2498885.15	1+00.00	1+05.66
	UTC1B1	50°52'-41.5"	6°34'-45.8"	55.15	105.66	50	S 39°42'-41.8" E	S 90°00'-00.0" W	1+00.15	6884891	2498752.98	1+55.95	2+61.61

TURN LANE DATA

LOCATION	DIRECTION	SPEED LIMIT	TURN LANES LENGTH	TAPER LENGTH	STORAGE LENGTH	DECEL. LENGTH	TOTAL LENGTH
LPSFEB5 @ CLARK RD	EB	50	215	150	100	0/100	465
LPSFWB5 @ CLARK RD	WB	50	215	150	100	0/100	465

TURN LANE DECELERATION





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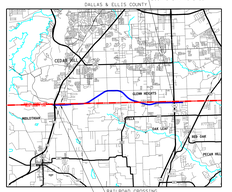

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HORIZONTAL SCALE: 0 200 400
VERTICAL SCALE: 0 5 10

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COUNTY: DALLAS/ELLIS
DATE: DECEMBER 2022
DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY
ROLL 3 OF 12