TEXAS DEPARTMENT OF TRANSPORTATION

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

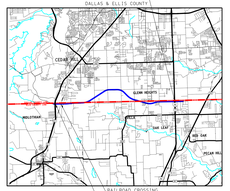
DESIGN SCHEMATIC
LOOP 9 SEGMENT A, ETC
DALLAS & ELLIS COUNTIES

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:
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. 119868
P.E. NUMBER
12/5/2022
DATE

ORIGINAL SCALE
0 250 500
HORIZONTAL SCALE

ROLL 8 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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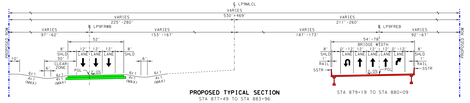
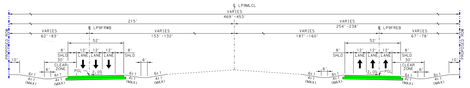
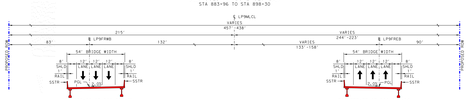
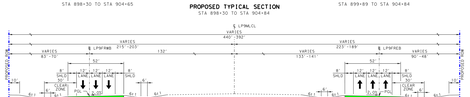
DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY
COUNTY: DALLAS/ELLIS
DATE: DECEMBER 2022
ROLL 8 OF 12

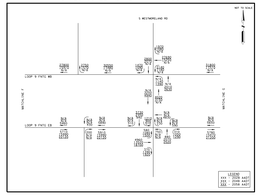




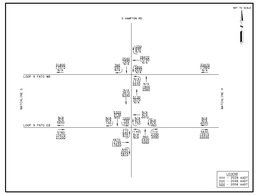




S WESTMORELAND RD TRAFFIC DIAGRAM



HAMPTON RD TRAFFIC DIAGRAM (SHEET 9)



INTERSECTION APPROACH TYPICAL

PLAN LEGEND

PROPOSED E/R
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
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 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 FIRM MAPS 48113C0465J, 48113C0470J, 48113C0485J, 48113C0490J, 48113C0476K, 48113C0486K, 48139C0095F, AND 48139C0094F.
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS COUNTY TAX ROLLS AND STREET RECORDS (LATEST DATA AVAILABLE AS OF 2022).
6. EXISTING CULVERT LOCATIONS, SIZES, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND SHOW PATTERNS FOR INFORMATIONAL PURPOSES ONLY.
7. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN CONSTRUCTION WITH THE ADJACENT PROPERTY OWNER THAT THE DRIVEWAY IS A DEFICIENCY. ALL DRIVEWAYS ADJACENT TO RAMPS WILL BE REMOVED.
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 IN ACCORDANCE WITH THE MUTCD AND TMSM.
11. ROAD DIAGONALS (DIAGONALS) IS NOT SHOWN AT THE RAMP LOCATIONS. CONTROL OF ACCESS WILL BE REVIEWED AND DENIED AT THE DISTRICTION 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 MIDTHLANE MEDIAN CONCRETE TRAFFIC BARRIERS SHALL BE SINGLE SLOPE CONCRETE BARRIER (SSCB) UNLESS NOTED OTHERWISE.
16. INTERIM TEMPORARY TRAFFIC SIGNAL WARRANT STUDY TO BE PERFORMED IN ACCORDANCE WITH TMSM.

ROLL INDEX

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

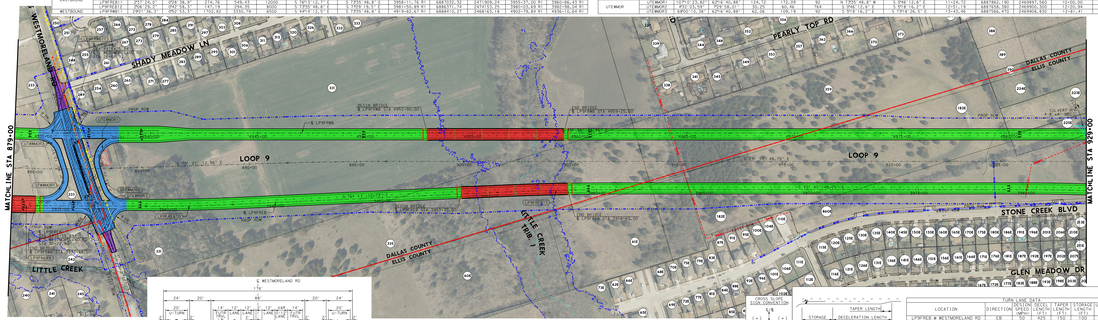
PARCEL ID	OWNER	PARCEL ID	OWNER	PARCEL ID	OWNER
601	HARTON GILL	705	FARTON LLC	734	COOPER RICKY & ELAINE
602	GILLIAM MARTIE	706	FARTON LLC	735	COOPER RICKY & ELAINE
603	ROBERTS JOHN	707	HORVICH LLC	736	COOPER RICKY & ELAINE
604	CLARK JAMES & MARIE LIV	708	HORVICH LLC	737	BATES BRANDON & LACY BATES
605	LYNCH MICHAEL LIVING	709	CARLOS JOEL & CARLOS M RAMIREZ	738	WHITLEY KENNETH & JUDY
606	SHEPHERD PLACES HOMES INC	710	CARLOS JOEL & CARLOS M RAMIREZ	739	WHITLEY KENNETH & JUDY
607	SHEPHERD PLACES HOMES INC	711	ANDERSON JOSE A	740	WILLSON JAMES
608	SHEPHERD PLACES HOMES INC	712	ANDERSON JOSE A	741	WHITLEY KENNETH & JUDY
609	W. HALL PROPERTIES INC	713	ROBINSON ARTHUR WITH	742	WILLSON JAMES
610	W. HALL PROPERTIES INC	714	ROBINSON ARTHUR ETAL	743	WHITLEY KENNETH & JUDY
611	MENDEZ GABRIEL & MENDEZ LINETTE	715	ROBINSON ARTHUR	744	WHITLEY KENNETH & JUDY
612	MENDEZ GABRIEL & MENDEZ LINETTE	716	MARTINEZ JOSE	745	WHITLEY KENNETH & JUDY
613	MENDEZ GABRIEL & MENDEZ LINETTE	717	NUNEZ FRANCISCO	746	WHITLEY KENNETH & JUDY
614	MORENO ANA & EDUARDO	718	NUNEZ JOSE	747	WHITLEY KENNETH & JUDY
615	MORENO ANA & EDUARDO	719	ROBLES ALEJANDRA CASTRO	748	COOPER RICKY & ELAINE
616	WELCH LAN	720	LYONS CHRIS & CARRIE	749	COOPER RICKY & ELAINE
617	WELCH LAN & LAURA D	721	LYONS CHRIS	750	COOPER RICKY & ELAINE
618	PAZ ALFONSO & ELENA P	722	LYONS CHRIS	751	COOPER RICKY & ELAINE
619	PAZ ALFONSO & ELENA M & VEVOC	723	WORLEY GENE & MARTIE	752	SONG JENNIFER
620	PAZ ALFONSO	724	WORLEY GENE & MARTIE	753	PONCE JAVIER & GUADALUPE
621	CHRISTIE L TLINN	725	WORLEY GENE & MARTIE	754	PONCE JAVIER & GUADALUPE
622	MENDEZ JESUS A & DAYELI	726	WORLEY GENE & MARTIE	755	PONCE JAVIER & GUADALUPE PONCE
623	MENDEZ JESUS A & DAYELI	727	WORLEY GENE & MARTIE		
624	MENDEZ JESUS A & DAYELI	728	WORLEY GENE & MARTIE		
625	MENDEZ JESUS A & DAYELI	729	WORLEY GENE & MARTIE		
626	MENDEZ JESUS A & DAYELI	730	COOPER RICKY & ELAINE		
627	MENDEZ JESUS A & DAYELI	731	COOPER RICKY & ELAINE		
628	MENDEZ JESUS A & DAYELI	732	COOPER RICKY & ELAINE		
629	MENDEZ JESUS A & DAYELI	733	COOPER RICKY & ELAINE		
704	FARTON LLC				

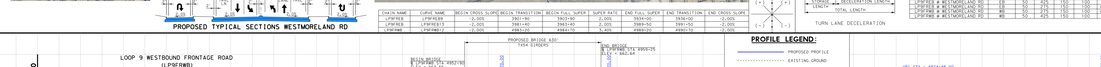
CURVE DATA

	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	PI STATION	PI NORTHING	PI EASTING	PC STATION	PT STATION
FRONTAGE ROAD													
EASTBOUND	FRF01B9	09°17'41.1"	09°17'41"	155.45	309.26	8000	N8°11'51.1"	S0°53'50.0" E	880+03.34	7480576.13	1903145.83	878+47.89	881+57.15
	FRF01C1	09°17'41.1"	09°17'41"	155.45	309.26	8000	S0°53'50.0" E	S8°11'51.1"	881+57.15	7480576.13	1903145.83	880+47.89	883+56.41
	FRF01E1	09°17'41.1"	09°17'41"	155.45	309.26	8000	S8°11'51.1"	S17°29'32.2"	883+56.41	7480576.13	1903145.83	882+46.96	885+55.67
WESTBOUND	FRF01E7	06°35'15.1"	06°35'15"	141.15	282.15	8500	S19°16'41.1"	S25°51'56.2"	885+55.67	7480515.55	1903190.35	884+55.52	887+37.67
	FRF01F3	06°35'15.1"	06°35'15"	141.15	282.15	8500	S25°51'56.2"	S32°27'11.3"	887+37.67	7480453.07	1903236.87	886+37.37	889+19.52

CURVE DATA

	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	PI STATION	PI NORTHING	PI EASTING	PC STATION	PT STATION
U-TURNS													
U-TURNWD1	FURN01 (NB)	179°57'06.5"	179°57'06.5"	0.01	0.02	50	S 79°18'35.1" E	N 79°16'41.6" E	1+25.78	6867635.340	2968726.600	1+25.00	1+25.02
	FURN02 (SB)	179°57'06.5"	179°57'06.5"	0.01	0.02	50	N 79°16'41.6" E	S 79°18'35.1" E	1+25.78	6867635.340	2968726.600	1+25.00	1+25.02
U-TURNWD2	FURN03 (SB)	179°57'06.5"	179°57'06.5"	0.01	0.02	50	S 79°18'35.1" E	N 79°16'41.6" E	1+25.78	6867635.340	2968726.600	1+25.00	1+25.02
	FURN04 (NB)	179°57'06.5"	179°57'06.5"	0.01	0.02	50	N 79°16'41.6" E	S 79°18'35.1" E	1+25.78	6867635.340	2968726.600	1+25.00	1+25.02
U-TURNEM1	FURN05 (NB)	179°57'06.5"	179°57'06.5"	0.01	0.02	50	S 79°18'35.1" E	N 79°16'41.6" E	1+25.78	6867635.340	2968726.600	1+25.00	1+25.02
	FURN06 (SB)	179°57'06.5"	179°57'06.5"	0.01	0.02	50	N 79°16'41.6" E	S 79°18'35.1" E	1+25.78	6867635.340	2968726.600	1+25.00	1+25.02
U-TURNEM2	FURN07 (SB)	179°57'06.5"	179°57'06.5"	0.01	0.02	50	S 79°18'35.1" E	N 79°16'41.6" E	1+25.78	6867635.340	2968726.600	1+25.00	1+25.02
	FURN08 (NB)	179°57'06.5"	179°57'06.5"	0.01	0.02	50	N 79°16'41.6" E	S 79°18'35.1" E	1+25.78	6867635.340	2968726.600	1+25.00	1+25.02





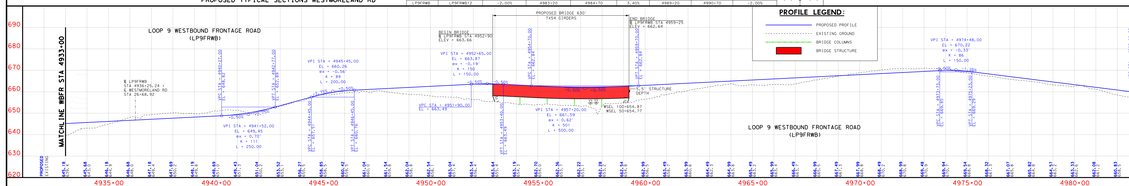
CHAIN NAME	CURVE NAME	BEGIN CROSS SLOPE	BEGIN TRANSITION	BEGIN FULL SUPER	SUPER RATE	END FULL SUPER	END TRANSITION	END CROSS SLOPE
LTRFRW1	LTRFRW1	-2.00%	2984+00	2984+50	2.00%	2985+50	2986+00	-2.00%
LTRFRW2	LTRFRW2	-2.00%	2984+00	2984+50	2.00%	2985+50	2986+00	-2.00%
LTRFRW3	LTRFRW3	-2.00%	2984+00	2984+50	2.00%	2985+50	2986+00	-2.00%

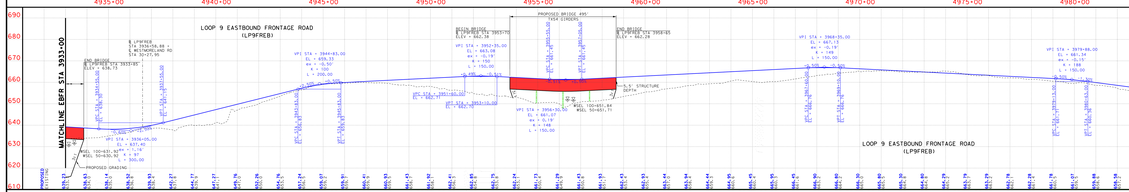
CROSS SLOPE SIGN CONVENTION

TURN LANE DECELERATION

TURN LANE DATA

LOCATION	DIRECTION	SPEED LIMIT	TAPER LENGTH	STORAGE LENGTH	DECEL LENGTH	TURN LANE WIDTH	TOTAL LENGTH
STA=2181.8 W/WESTMORELAND RD	E	50	215	125	215	12.00	555
STA=2181.8 W/WESTMORELAND RD	W	50	215	125	215	12.00	555
STA=2184.8 W/WESTMORELAND RD	E	50	215	125	215	12.00	555
STA=2184.8 W/WESTMORELAND RD	W	50	215	125	215	12.00	555





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CEASON CLEMENS, P.E., DISTRICT ENGINEER

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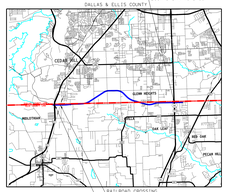

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Prepared by or under the supervision of:
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HORIZONTAL SCALE

ROLL 8 OF 12

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DALLAS/ELLIS COUNTY
COUNTY: DALLAS/ELLIS
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ROLL 8 OF 12