TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ # 0261-01-041: US 67 FROM NORTH OF
SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

MAINLANES (RURAL FREEWAY)	- 70 MPH
RAMPS AND TRANSITIONS (RURAL FREEWAY)	- 50 MPH
CROSS STREETS (URBAN COLLECTOR)	- 40 MPH
U-TURNS (URBAN COLLECTOR)	- 15 MPH

END CONSTRUCTION US 67
US 67 STA 642+00

END PROJECT
LOOP 9 STA 1043+00

Dallas & Ellis County

CEDAR HILL

ALTERNATIVE 2A

ALTERNATIVE 2B

WILDTHING

LAKE RIDGE

DAL-TEX

ELLIS COUNTY
DALLAS COUNTY

TEXAS HILL

BEGIN PROJECT
LOOP 9 STA 541+13

BEGIN CONSTRUCTION US 67
US 67 STA 596+00

60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE
WITHOUT NOTICE

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

SCHEMATIC PREPARED BY:
REGISTERED ENGINEER
FOR INTERIM REVIEW ONLY, NOT FOR
PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the
supervision of:
HOSSEIN M. HOSSEINI, P.E. - 119568
FIRM REGISTRATION NO. F-1046
MICHAEL D. DENNISON, P.E. P.I.T. NUMBER
Not Applicable
7/1/2019
DATE

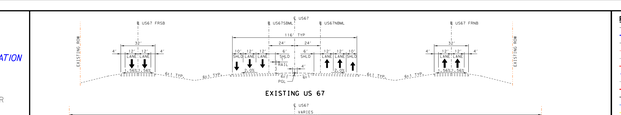
HORIZONTAL SCALE
0 250 500
VERTICAL SCALE
0 25 50

ROLL 1 OF 13

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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PLAN LEGEND

PROPOSED C/L
PROPOSED ROW
EXISTING ROW
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
PROPOSED DIRECTION OF TRAVEL
EXISTING DIRECTION OF TRAVEL
PROPOSED BRIDGE
PROPOSED MAIN LANES
PROPOSED FRONTAGE ROAD
PROPOSED RAMP
PROPOSED CROSS STREET
PAVEMENT TO BE REMOVED
POTENTIAL DISPLACEMENT
CURVE ID
PARCEL ID

GENERAL NOTES:

1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL MAPS, GIS DATA, AND LIMITED FIELD VERIFICATION.
2. FINAL LOCATION OF DESIGN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PCL.
4. 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.
5. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS xxxx, xxxx, xxxx, xxxx, AND xxxx.
6. IMPROVEMENT INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS, xxxx, COUNTY APPRAISAL DISTRICTS (LATEST DATA AVAILABLE AS OF xxxx xxxx).
7. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
8. ADA RAMPS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING FINAL. SIDEWALKS ARE SHOWN ON TYPICAL SECTIONS.
9. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN THE DESIGN PHASE THAT THE DRIVEWAY IS NON-COMPLIANT OR THERE IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS.
10. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW POTENTIALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
11. CURBS ARE TYPE II (8") UNLESS NOTED OTHERWISE.
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
13. WHERE CONTROL OF ACCESS IS NOT SHOWN AT THE RAMP LOCATIONS, CONTROL OF ACCESS WILL BE ESTABLISHED AND/OR REVISED AT THE INTERSECTION OF THE MAINLANES AND THE CROSS STREET DURING THE PS&E PROCESS.
14. 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 RESIDENTIAL CORNER RADII ARE 25 FT MINIMUM UNLESS NOTED OTHERWISE.
17. ALL MAINLANE MEDIAN CONCRETE TRAFFIC BARRIERS SHALL BE SINGLE SLOPE CONCRETE BARRIER (SSCB) UNLESS NOTED OTHERWISE.

ROLL INDEX

ROLL 1: LOOP 9 MAINLANES, ALTERNATIVE 2A
STA 642+00 TO STA 1043+00

ROLL 2: LOOP 9 MAINLANES, ALTERNATIVE 2B
STA 642+00 TO STA 1043+00

ROLL 3: LOOP 9 MAINLANES, ALTERNATIVE 2B
STA 642+00 TO STA 1043+00

ROLL 4: LOOP 9 MAINLANES, ALTERNATIVE 2B
STA 642+00 TO STA 1043+00

ROLL 5: LOOP 9 MAINLANES, ALTERNATIVE 1?
STA 642+00 TO STA 779+00

ROLL 6: LOOP 9 MAINLANES, ALTERNATIVE 1?
STA 779+00 TO STA 825+00

ROLL 7: LOOP 9 MAINLANES, ALTERNATIVE 1?
STA 779+00 TO STA 779+00

ROLL 8: LOOP 9 MAINLANES
STA 779+00 TO STA 825+00

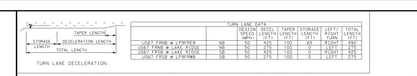
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STA 825+00 TO STA 875+00

ROLL 10: LOOP 9 MAINLANES
STA 875+00 TO STA 925+00

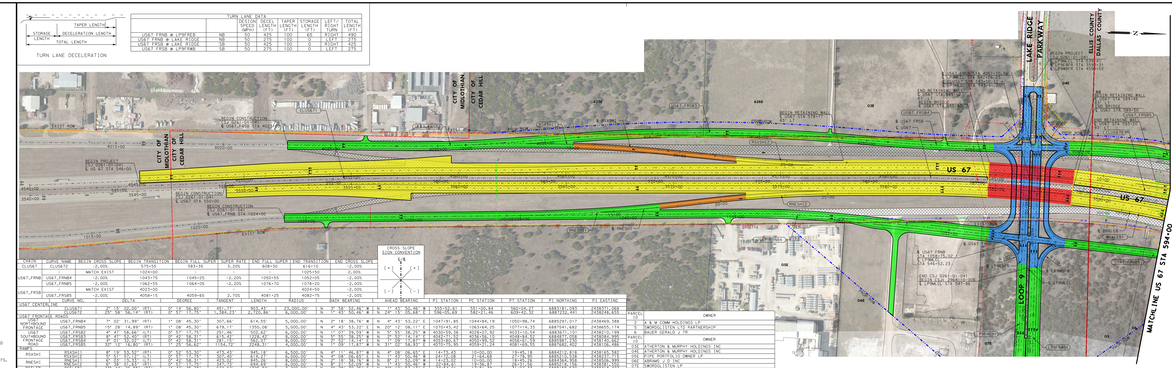
ROLL 11: LOOP 9 MAINLANES
STA 925+00 TO STA 975+00

ROLL 12: LOOP 9 MAINLANES
STA 975+00 TO STA 1025+00

ROLL 13: LOOP 9 MAINLANES
STA 1025+00 TO END PROJECT



	TURN LANE DATA					
	DESIGN SPEED	TAPER LENGTH	STORAGE LENGTH	DECEL. LENGTH	LEFT TURN	TOTAL LENGTH
	(MPH)	(FT)	(FT)	(FT)	TURN (FT)	(FT)
US67 FRNB & CHERES	50	50	425	100	50	625
US67 FRNB & WET ESTOR	50	50	425	100	FOOT	625
US67 FRNB & WET ESTOR	50	50	425	100	FOOT	625
US67 FRNB & LIPSTRNB	50	50	275	100	0	LEFT 275



MODEL CLASS	SUPER NAME	BEGIN XSDESIGN	BEGIN STATION	BEGIN OFFSET	SUPER SLOPE	END XSDESIGN	END STATION	END OFFSET	END SUPER SLOPE
			541+13		-5.00%		598+50		-5.00%
	MATCH EXIST		598+50				614+55		-2.00%
US67_FRNB	US67_FRNB		1043+75	1045+25	-2.00%	1050+55	1052+05		-2.00%
US67_FRNB	US67_FRNB		1043+75	1064+05	-2.00%	1078+55	1079+70		-5.00%
	MATCH EXIST		4023+00				4024+50		-2.00%
US67_FRSBS	US67_FRSBS		4009+85		-2.00%		4082+75		-2.00%
US67_FRSBS	US67_FRSBS		4009+85	4081+25	-2.00%	4082+75	4084+25		-2.00%

US67 CENTERLINE	CURVE NO.	CC NO.	DEGREE	RADIUS	TANGENT	CHORD	BACK BEARING	AHEAD BEARING	PT STATION	PC STATION	PT STATION	PC NORTHING	PC EASTING
US67 FRONTAGE ROADS													
NORTHBOUND	US67_FRNB1	1ST CB	1° 00' 00.00" (RT)	1° 00' 45.30"	307.88	614.55	S_000.00	N 1° 00' 38.76" W	N 1° 45' 53.20" E	1041+91.19	1050+98.74	6689291.017	2434645.388
NORTHBOUND	US67_FRNB2	1ST CB	14.59° (RT)	14° 09' 45.30"	307.88	614.55	1350.08	N 1° 00' 38.76" W	N 13° 09' 45.30" E	1041+91.19	1077+14.35	6687341.482	2434626.114
SOUTHBOUND	US67_FRSB1	4° 34' 28.65" (RT)		1° 00' 45.30"	307.88	1022.42	S_000.00	N 1° 00' 38.76" W	N 1° 45' 53.20" E	4023+15.98	4032+23.52	6683571.020	2434512.199
SOUTHBOUND	US67_FRSB2	4° 34' 28.65" (RT)		14° 09' 45.30"	307.88	1022.42	1350.08	N 1° 00' 38.76" W	N 13° 09' 45.30" E	4023+15.98	4059+36.77	6681621.485	2434493.125
FRONTAGE ROAD	US67_FRSB3	4° 34' 28.65" (RT)		14° 09' 45.30"	307.88	1022.42	1350.08	N 1° 00' 38.76" W	N 13° 09' 45.30" E	4023+15.98	4059+36.77	6681621.485	2434493.125
ROAD	US67_FRSB4	4° 34' 28.65" (RT)		1° 00' 45.30"	1154.49	2298.51	S_000.00	N 1° 00' 38.76" W	N 1° 45' 53.20" E	4059+36.86	4082+25.38	6681486.938	2434186.986
	US67_FRSB5	4° 34' 28.65" (RT)		14° 09' 45.30"	1154.49	2298.51	1350.08	N 1° 00' 38.76" W	N 13° 09' 45.30" E	4059+36.86	4095+55.39	6679536.403	2434167.912
RAMPS	RMP1	4° 34' 28.65" (RT)		1° 00' 45.30"	307.88	614.55	S_000.00	N 1° 00' 38.76" W	N 1° 45' 53.20" E	1041+91.19	1047+56.05	6689291.017	2434645.388
RAMPS	RMP2	4° 34' 28.65" (RT)		14° 09' 45.30"	307.88	614.55	1350.08	N 1° 00' 38.76" W	N 13° 09' 45.30" E	1041+91.19	1074+13.76	6687341.482	2434626.114
DOUBLE RAMPLEB	RMPLEB	4° 34' 28.65" (RT)		1° 00' 45.30"	307.88	614.55	S_000.00	N 1° 00' 38.76" W	N 1° 45' 53.20" E	4023+15.98	4029+81.84	6683571.020	2434512.199
DOUBLE RAMPLEB	RMPLEB	4° 34' 28.65" (RT)		14° 09' 45.30"	307.88	614.55	1350.08	N 1° 00' 38.76" W	N 13° 09' 45.30" E	4023+15.98	4056+32.73	6681621.485	2434493.125

	OWNER
1	CITY OF MIDLOTHIAN
2	CITY OF CEDAR HILL
3	DALLAS COUNTY
4	ELLIS COUNTY
5	TEXAS UTILITIES ELECTRIC CO
6	ATMOS ENERGY CORP, MID-TEX DIVISION
7	TEXAS POWER & LIGHT COMPANY
8	ENERGY TRANSFER FUEL, LP
9	ENTERPRISE TEXAS PIPELINE LLC
10	FITZWATER & MURPHY HOLDINGS INC
11	FITZWATER & MURPHY HOLDINGS INC
12	TEXAS UTILITIES ELECTRIC CO
13	ENTERPRISE TEXAS PIPELINE LLC
14	ENTERPRISE TEXAS PIPELINE LLC
15	ENTERPRISE TEXAS PIPELINE LLC
16	ENTERPRISE TEXAS PIPELINE LLC
17	ENTERPRISE TEXAS PIPELINE LLC

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

CSJ = 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ = 0261-01-041: US 67 FROM NORTH OF SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

MAINLANES (RURAL FREEWAY):	70 MPH
RAMPS AND TRANSITIONS (RURAL FREEWAY):	50 MPH
CROSS STREETS (RURAL COLLECTOR):	50 MPH
U-TURNS (URBAN COLLECTOR):	15 MPH

END CONSTRUCTION US 67
US 67 STA 642+00

END PROJECT
LOOP 9 STA 1043+00

Dallas & Ellis County

CEDAR HILL

ALTERNATIVE 1A

ALTERNATIVE 1B

GLEN HEIGHTS

WILDTHAW

IH 35E

US 67

TEXAS HILL

BEGIN PROJECT
LOOP 9 STA 947+13

BEGIN CONSTRUCTION US 67
BEGIN CONSTRUCTION STA
US 67 STA 596+00

60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE
WITHOUT NOTICE

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

SCHEMATIC PREPARED BY:
REGISTERED ENGINEER
FOR INTERIM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION
Prepared by or under the direction of the following:
HOSSEIN N. HOSSEINI, P.E. | 119868 | P.E. NUMBER
Name | LICENSE
MICHAEL L. SIMONTON, P.E. | 119868 | P.E. NUMBER
Name | LICENSE
11/1/2019
DATE

ORIGINAL SCALE
0 50 100
HORIZONTAL SCALE
0 50 100
VERTICAL SCALE
0 10

ROLL 2 OF 13

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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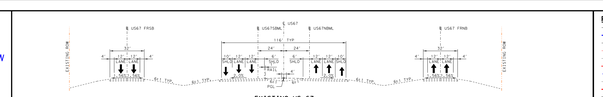
ORIGINAL LINE OF TEXT WHEN SIGNED AND SEALED
DO NOT ALTER THIS LINE
BGE, Inc.
2595 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 ● www.bgeinc.com
TBPE Registration No. F-1046

DESIGN SCHEMATIC - LOOP 9 DALLAS/ELLIS COUNTY

COUNTY: DALLAS/ELLIS
DATE: JULY 2019

ROLL 2 OF 13

TEXAS DEPARTMENT OF TRANSPORTATION



PLAN LEGEND



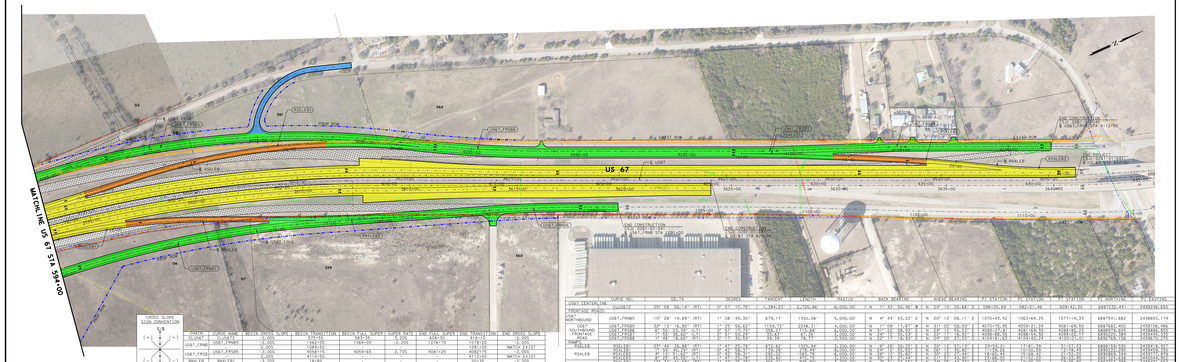
GENERAL NOTES:

1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL MAPS, GIS DATA AND LIMITED FIELD REVIEW.
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE FINAL DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE P/L.
4. 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.
5. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS xxxx, xxxx, xxxx, xxxx, DATED xx/xx/xxxx.
6. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS, xxxx, COUNTY APPRAISAL DISTRICTS
7. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
8. ADA RAMPS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING FINAL. SIDEWALKS ARE SHOWN ON PERPENDICULAR RAMPS.
9. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN THE FINAL PHASE THAT THE DRIVEWAY IS NOT NEEDED OR THAT THERE IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS.
10. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PARTIALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
11. CURBS ARE TYPE II (8") UNLESS NOTED OTHERWISE.
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE FINAL PHASE OF THE PROJECT.
13. WHERE CONTROL OF ACCESS IS NOT SHOWN AT THE RAMP LOCATIONS, CONTROL OF ACCESS WILL BE ESTABLISHED AND/OR REVISED AT THE INTERSECTION OF THE MAIN LANES AND RAMPS DURING THE FINAL PHASE OF PROJECT.
14. 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 FRONTAGE ROADS CORNER RADII ARE 25 FT MINIMUM UNLESS NOTED OTHERWISE.
17. ALL MAINLANE MEDIAN CONCRETE TRAFFIC BARRIERS SHALL BE SINGLE SLOPE CONCRETE BARRIER (SSCB) UNLESS NOTED OTHERWISE.

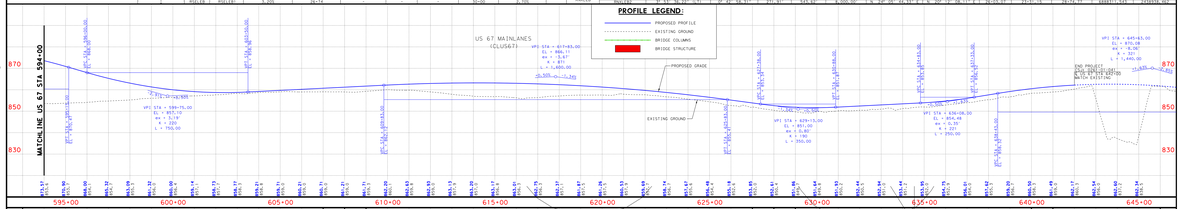
ROLL INDEX

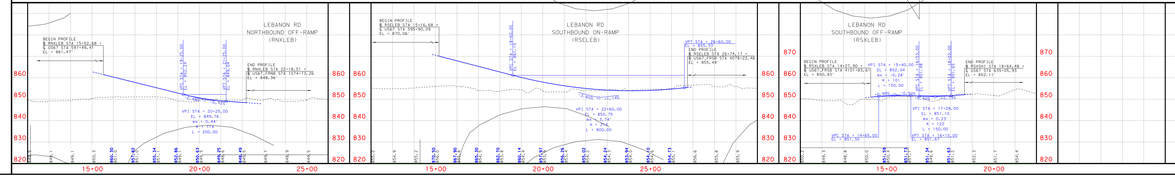
ROLL 1: US 67 MAINLANES
STA 590+00 TO STA 594+00
ROLL 2: US 67 MAINLANES
STA 594+00 TO END PROJECT
ROLL 3: LOOP 9 MAINLANES
STA 947+13 TO STA 975+00
ROLL 4A: LOOP 9 MAINLANES (ALTERNATIVE 1)
STA 975+00 TO STA 829+00
ROLL 5A: LOOP 9 MAINLANES (ALTERNATIVE 1)
STA 829+00 TO STA 875+00
ROLL 6A: LOOP 9 MAINLANES (ALTERNATIVE 1)
STA 875+00 TO STA 925+00
ROLL 7A: LOOP 9 MAINLANES (ALTERNATIVE 1)
STA 925+00 TO STA 975+00
ROLL 8A: LOOP 9 MAINLANES
STA 975+00 TO STA 875+00
ROLL 9A: LOOP 9 MAINLANES
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ROLL 10A: LOOP 9 MAINLANES
STA 875+00 TO STA 925+00
ROLL 11A: LOOP 9 MAINLANES
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ROLL 12A: LOOP 9 MAINLANES
STA 975+00 TO STA 1025+00
ROLL 13A: LOOP 9 MAINLANES
STA 1025+00 TO END PROJECT

PARCEL	OWNER
1	J & R COMMUNITIES LP
2	RDR COMMERCIAL HOLDINGS LP
3	CARDOZO LTDA, LTD PARTNERSHIP
4	ATTANASIO & SAFARIA INC/ETAL
5&6	Heritage Realty Holdings



CURVE DATA TABLE	CURVE NO.	DELTA	DEGREE	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	P.I. STATION	P.C. STATION	P.T. STATION	P.I. NORTHING	P.I. EASTING
FRONTAGE ROAD	CURVE1	25° 58' 54.14" (RT)	0° 57' 17.75"	543.23	5,995.00	N 1° 49' 55.86" E	N 24° 08' 50.00" E	596+39.83	587+41.86	602+85.09	6887394.661	2438606.555
EXIT NORTHBOUND	US67_FRNB1	15° 09' 14.89" (RT)	1° 08' 45.92"	676.17	5,995.00	N 4° 43' 55.20" E	N 20° 08' 06.11" E	620+40.45	613+64.28	627+40.45	6887644.682	2438605.174
ENTRANCE NORTHBOUND	US67_FRNB2	1° 49' 55.86" (RT)	0° 57' 17.75"	191.77	5,995.00	N 20° 08' 06.11" E	N 24° 08' 50.00" E	627+40.45	626+74.58	629+66.35	6887838.144	2438606.555
EXIT SOUTHBOUND	US67_FRSB1	15° 09' 14.89" (RT)	1° 08' 45.92"	676.17	5,995.00	N 4° 43' 55.20" E	N 20° 08' 06.11" E	620+40.45	613+64.28	627+40.45	6887644.682	2438605.174
ENTRANCE SOUTHBOUND	US67_FRSB2	1° 49' 55.86" (RT)	0° 57' 17.75"	191.77	5,995.00	N 20° 08' 06.11" E	N 24° 08' 50.00" E	627+40.45	626+74.58	629+66.35	6887838.144	2438606.555
RAMP	RAMP1	1° 49' 55.86" (RT)	0° 57' 17.75"	191.77	5,995.00	N 24° 08' 50.00" E	N 22° 18' 54.14" E	629+66.35	629+01.47	631+93.12	6888104.641	2438607.174
RAMP	RAMP2	1° 49' 55.86" (RT)	0° 57' 17.75"	191.77	5,995.00	N 22° 18' 54.14" E	N 20° 28' 58.28" E	631+93.12	631+28.24	634+19.89	6888369.641	2438607.793
RAMP	RAMP3	1° 49' 55.86" (RT)	0° 57' 17.75"	191.77	5,995.00	N 20° 28' 58.28" E	N 18° 39' 02.42" E	634+19.89	633+55.01	637+46.66	6888634.641	2438608.412
RAMP	RAMP4	1° 49' 55.86" (RT)	0° 57' 17.75"	191.77	5,995.00	N 18° 39' 02.42" E	N 16° 49' 06.56" E	637+46.66	636+81.78	639+73.43	6888899.641	2438609.031
RAMP	RAMP5	1° 49' 55.86" (RT)	0° 57' 17.75"	191.77	5,995.00	N 16° 49' 06.56" E	N 14° 59' 10.70" E	639+73.43	639+08.55	642+00.20	6889164.641	2438609.650





TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

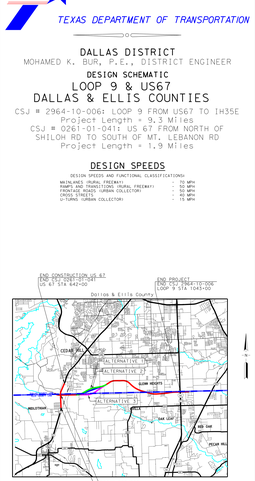
DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

CSJ = 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ = 0261-01-041: US 67 FROM NORTH OF SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

MAINLANES (RURAL FREEWAY):	70 MPH
RAMPS AND TRANSITIONS (RURAL FREEWAY):	50 MPH
CROSS STREETS (RURAL COLLECTOR):	50 MPH
U-TURNS (URBAN COLLECTOR):	15 MPH



60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE
WITHOUT NOTICE

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

SCHEMATIC PREPARED BY:
REGISTERED ENGINEER
FOR INTERIM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION
Prepared by or under the direction of the following:
HOSSEIN N. HOSSEINI, P.E. | 119868 | P.E. NUMBER
Name | LICENSE
MICHAEL L. SIMONTON, P.E. | 119868 | P.E. NUMBER
Name | LICENSE
11/1/2019
DATE

ORIGINAL SCALE
0 50 100
HORIZONTAL SCALE
0 50 100
VERTICAL SCALE
0 10

ROLL 2 OF 13

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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Tel: 972-464-4800 ● www.bgeinc.com
TBPE Registration No. F-1046

DESIGN SCHEMATIC - LOOP 9 DALLAS/ELLIS COUNTY

COUNTY: DALLAS/ELLIS
DATE: JULY 2019

ROLL 2 OF 13

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

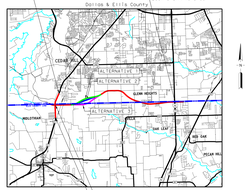
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LOOP 9 & US67
DALLAS & ELLIS COUNTIES

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Prepared by or under the
supervision of:
HOSSEIN N. HOSSEINI, P.E. | 119668
NAME | P.E. NUMBER
MICHAEL T. [illegible], P.E. | [illegible]
NAME | P.E. NUMBER
11/1/2019
DATE

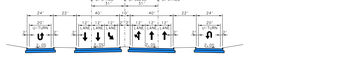
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VERTICAL SCALE
0 5 10

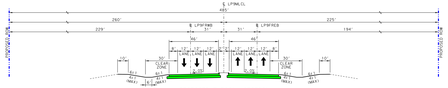
ROLL 3 OF 13

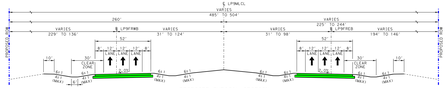
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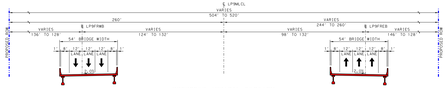
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PLOTTED: 1 SEP 19
BY: [illegible]
FILE: [illegible]











PLAN LEGEND

PROPOSED R/W
PROPOSED ROW
EXISTING ROW
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 RENT
PROPOSED CULVERT
PROPOSED DIRECTION OF TRAVEL
EXISTING DIRECTION OF TRAVEL
PROPOSED BRIDGE
PROPOSED MAIN LANES
PROPOSED FRONTAGE ROAD
PROPOSED RAMP
PROPOSED CROSS STREET
PAVEMENT TO BE REMOVED
POTENTIAL DISPLACEMENT
CURVE ID
PARCEL ID

GENERAL NOTES:

1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL MAPPING, GIS DATA, AND LIMITED FIELD REVIEW.
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE FINAL DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
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). REFER TO TYPICAL SECTIONS FOR BARRIER TYPES AND LIMITS.
5. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS xxxxx, xxxx, xxxxx, xxxxx, xxxxx, xxxxx.
6. ORIENTATION INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS, xxxx, COUNTY APPRAISAL DISTRICTS CURRENT DATA AVAILABLE AS OF xxxx xxxx.
7. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
8. ADA RAMPS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING FINAL. SIDEWALKS ARE SHOWN ON TYPICAL SECTIONS.
9. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN THE DESIGN PHASE THAT THE DRIVEWAY IS NON-COMPLIANT OR THERE IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS.
10. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
11. CURBS ARE TYPE II (8") UNLESS NOTED OTHERWISE.
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE FINAL PHASE OF THE PROJECT.
13. WHERE CONTROL OF ACCESS IS NOT SHOWN AT THE RAMP LOCATIONS, CONTROL OF ACCESS WILL BE ESTABLISHED DURING THE RIGHT-OF-WAY ACQUISITION PHASE AND WITHIN THE LIMITS OF THE RECONSTRUCTION PROJECT.
14. 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.
17. ALL MAINLANE MEDIAN CONCRETE TRAFFIC BARRIERS SHALL BE SINGLE SLOPE CONCRETE BARRIER (SSCB) UNLESS NOTED OTHERWISE.

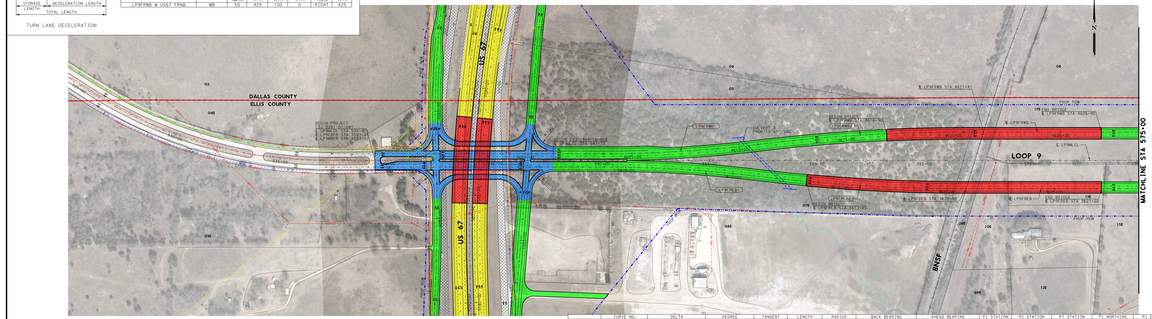
ROLL INDEX

ROLL 1:	1	US 67 MAINLANES BEGIN PROJECT TO STA 594+00
	2	US 67 MAINLANES STA 594+00 TO END PROJECT
ROLL 2:	3	LOOP 9 MAINLANES STA 1043+00 TO STA 575+00
	4	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 575+00 TO STA 624+00
ROLL 3:	5	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 624+00 TO STA 675+00
	6	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 675+00 TO STA 725+00
ROLL 4:	7	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 725+00 TO STA 775+00
	8	LOOP 9 MAINLANES STA 775+00 TO STA 825+00
ROLL 5:	9	LOOP 9 MAINLANES STA 825+00 TO STA 875+00
	10	LOOP 9 MAINLANES STA 875+00 TO STA 925+00
ROLL 6:	11	LOOP 9 MAINLANES STA 925+00 TO STA 975+00
	12	LOOP 9 MAINLANES STA 975+00 TO STA 1025+00
ROLL 7:	13	LOOP 9 MAINLANES STA 1025+00 TO END PROJECT

PARCEL	OWNER
1	R & R COMM HOLDINGS LP
2	BRUCE & ANN ELDER PARTNERSHIP
3	BRUCE & ANN ELDER
4	METHOW MARSHALL PROPERTIES
PARCEL	OWNER
5	METHOW & MURPHY HOLDINGS INC
6	MOSQUEDA, [illegible]
7	GERARDO J SERRANDE & MA SOLDRES
8	METHOW MARSHALL PROPERTIES
9	MULTICULTURAL BROADCASTING LLC
10	METHOW MARSHALL PROPERTIES LTD

TURN LANE DECELERATION

LOCATION	DIRECTION	TURN LANE DATA: DECEL. LENGTH (FT)	TAPER LENGTH (FT)	STORAGE LENGTH (FT)	LEFT TURN BAY TAPER (FT)	LEFT TURN BAY LENGTH (FT)
LPSFRNB @ UGLY POND	WB	50	425	100	0	RIGHT 425


DALLAS COUNTY
ELLIS COUNTY
US 67
LOOP 9
MATCHLINE STA 595+00
L LPSMNB
L LPSMFRD
L LPSMLOL
L LPSMFRB
L LPSMFRA
L LPSMFRC
L LPSMFRD
L LPSMNB

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

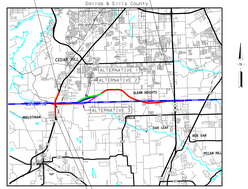
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ALTERNATIVE 1



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SCHEMATIC PREPARED BY:
REGISTERED PUBLIC ENGINEER
FOR INTERIM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION
Prepared by or under the supervision of:
HOSSEIN M. HOSSEINI, P.E. | 119568
Name | P.E. NUMBER
MICHAEL G. ZEMENSKI, P.E. | P.E. NUMBER
Name | P.E. NUMBER
7/1/2019
DATE

ORIGINAL SCALE
0 50 100
REDUCTION SCALE
0 25 50

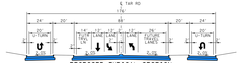
ROLL 4 OF 13

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PLAN LEGEND

PROPOSED R/W
PROPOSED ROW
EXISTING ROW
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
PROPOSED DIRECTION OF TRAVEL
EXISTING DIRECTION OF TRAVEL
PROPOSED BRIDGE
PROPOSED MAIN LANES
PROPOSED FRONTAGE ROAD
PROPOSED RAMP
PROPOSED CROSS STREET
PAVEMENT TO BE REMOVED
POTENTIAL DISPLACEMENT
CURVE ID
PARCEL ID

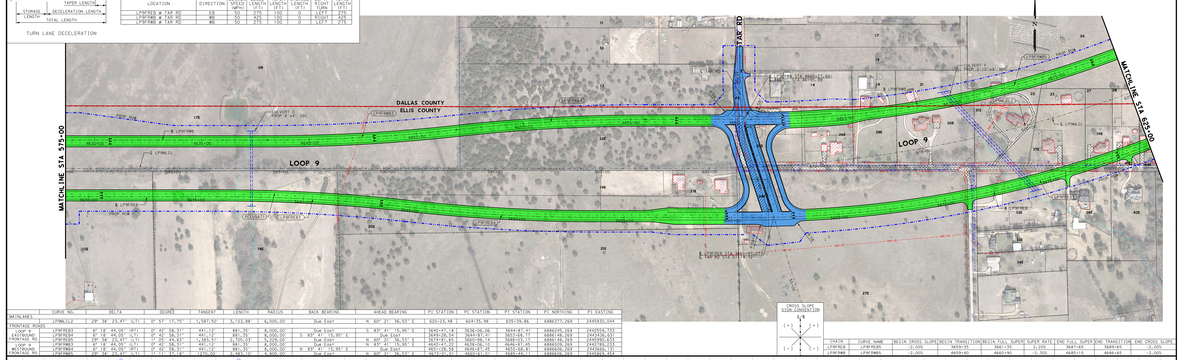
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5. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS xxxx, xxxx, xxxx, xxxx, DATED xx/xx/xxxx.
6. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS, xxxx, COUNTY APPRAISAL DISTRICTS (LATEST DATA AVAILABLE AS OF xxxx xxxx).
7. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
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10. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
11. CURBS ARE TYPE II (8") UNLESS NOTED OTHERWISE.
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
13. WHERE CONTROL OF ACCESS IS NOT SHOWN AT THE RAMP LOCATIONS, CONTROL OF ACCESS WILL BE ESTABLISHED AT THE RAMP TERMINUS INTERSECTION AND WILL EXTEND AS REQUIRED DURING PS&E PROCESS.
14. EXISTING PAVEMENT/BRIDGES LOCATED WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED (UNLESS NOTED OTHERWISE).
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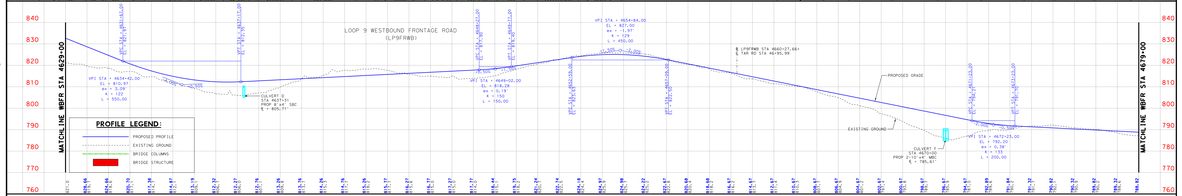
ROLL INDEX

ROLL 1:	US 67 MAINLANES BEGIN PROJECT TO STA 594+00
ROLL 2:	US 67 MAINLANES STA 594+00 TO END PROJECT
ROLL 3:	LOOP 9 MAINLANES STA 513+25.00 TO STA 575+00
ROLL 4:	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 575+00 TO STA 625+00
ROLL 5:	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 625+00 TO STA 679+00
ROLL 6:	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 679+00 TO STA 725+00
ROLL 7:	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 725+00 TO STA 775+00
ROLL 8:	LOOP 9 MAINLANES STA 775+00 TO STA 825+00
ROLL 9:	LOOP 9 MAINLANES STA 825+00 TO STA 875+00
ROLL 10:	LOOP 9 MAINLANES STA 875+00 TO STA 925+00
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ROLL 12:	LOOP 9 MAINLANES STA 975+00 TO STA 1025+00
ROLL 13:	LOOP 9 MAINLANES STA 1025+00 TO END PROJECT

PARCEL ID	OWNER
1	HEITMAN MARSHALL PROPERTIES
2	HEITMAN MARSHALL PROPERTIES
3	XAVIER MIGUEL A
4	MOLINA SERVANDO ET EST N
5	LEANN ALBERT J
6	LEANN ALBERT J
7	GUNTZ PEGGY S
8	POTTER FOSTER B JR & PATTY K
9	PHAM QUYEN
10	Private Ownership
11	COCHRAN JIMMY DON N
12	Private Ownership
13	ESCAMILLA LILY JEAN
14	HUERTA JUAN M & BLANCHES L
PARCEL ID	OWNER
15	Private Ownership
16	MOBILITRAN BROADCASTING LLC
17	HEITMAN MARSHALL PROPERTIES LTD
18	Private Ownership
19	PATTON HAROLD D
20	MOLINA SERVANDO & JULIA T
21	ROYAL OAKS MOBILE ESTATES LLC
22	MOLINA SERVANDO & JULIA T
23	HOUSTON HAROLD R MORTGAGE ASSOCIATION
24	HOUSTON HAROLD R MORTGAGE ASSOCIATION
25	HOUSTON HAROLD R & DONNA
26	CAMPBELL MITCHELL C
27	POTTER FOSTER B JR & PATTY K
28	CAMPBELL MITCHELL C
29	PHAM QUYEN
30	PHAM QUYEN
31	MARTINEZ NELSON T & BERTHA D
32	ESTRATEGIA SMART JOE & MARY JULIA
33	MARTINEZ NELSON T & DOLORES ANN
34	MC KNIGHT BILLY R
35	COCHRAN LILY JEAN
36	Private Ownership
37	RODRIGUEZ JONATHAN A & CHERISE
38	CHRISTIAN CHURCHNET



MAINLANES	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	PI STATION	PC STATION	PT STATION	PI NORTHING	PI EASTING
FRONTAGE ROAD	LPSF/RED	29° 39' 23.47"	0°11' 0"	29° 17' 17.75"	1,587.50	1,155.88	6,000.00	Sub East	N 50° 21' 36.53" E	620+23.48	636+35.38	6898377.265	2493355.004
LOOP 9	LPSF/ELES	0° 1' 24.05"	0°1' 0"	0° 0' 55.71"	47.12	3,821.36	6,000.00	Sub East	N 89° 41' 36.53" E	635+26.06	635+73.18	6898377.265	2497355.004
EASTBOUND	LPSF/RED	0° 1' 24.05"	0°1' 0"	0° 0' 55.71"	47.12	3,821.36	6,000.00	N 89° 41' 36.53" E	Sub East	635+26.06	635+73.18	6898377.265	2497355.004
LOOP 9	LPSF/WES	0° 1' 24.05"	0°1' 0"	0° 0' 55.71"	47.12	3,821.36	6,000.00	Sub East	N 89° 41' 36.53" E	635+26.06	635+73.18	6898377.265	2497355.004
WESTBOUND	LPSF/WES	29° 39' 23.47"	0°11' 0"	29° 17' 17.75"	1,587.50	1,155.88	6,000.00	N 50° 21' 36.53" E	Sub East	636+35.38	620+23.48	6898377.265	2493355.004
LOOP 9	LPSF/WES	0° 1' 24.05"	0°1' 0"	0° 0' 55.71"	47.12	3,821.36	6,000.00	Sub East	N 89° 41' 36.53" E	635+26.06	635+73.18	6898377.265	2497355.004



TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

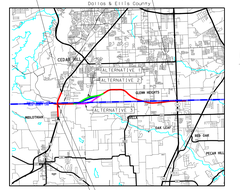
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RAMPS AND TRANSITIONS (RURAL FREEWAY) = 50 MPH
FRONTAGE ROADS (URBAN COLLECTOR) = 40 MPH
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ALTERNATIVE 1



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Prepared by or under the supervision of:
HOSSEIN M. HOSSEINI, P.E. | 119568
Name | P.E. NUMBER
MICHAEL G. ZEMENSKI, P.E. | P.E. NUMBER
Name | P.E. NUMBER
7/1/2019
DATE

ORIGINAL SCALE
0 50 100
REDUCTION SCALE
0 25 50

ROLL 4 OF 13

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DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY
COUNTY: DALLAS/ELLIS
DATE: JULY 2019
ROLL 4 OF 13

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DALLAS DISTRICT
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LOOP 9 & US67
DALLAS & ELLIS COUNTIES

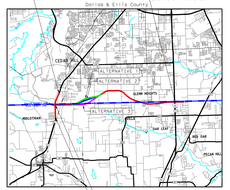
CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ # 0261-01-041: US 67 FROM NORTH OF
SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

MAINLANES (RURAL FREEWAY)	
RAMPS AND TRANSITIONS (RURAL FREEWAY)	- 70 MPH
CROSS STREETS (RURAL COLLECTOR)	- 50 MPH
U-TURNS (URBAN COLLECTOR)	- 50 MPH
	- 15 MPH

ALTERNATIVE 1

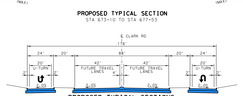












60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE WITHOUT NOTICE

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

SCHEMATIC PREPARED BY:
REGISTERED ENGINEER
FOR PRELIMINARY REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION
Prepared by or under the direction of the following:
HOSSEIN M. HOSSEINI, P.E. 119868
NAME (TEMPLATE), P.E. NUMBER
NAME (TEMPLATE), P.E. NUMBER
11/1/2019
DATE

HORIZONTAL SCALE
0 100 200 300
VERTICAL SCALE
0 5 10

ROLL 5 OF 13

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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PLOTTED: 1:24P on
10/31/2019
by: Hossein Hosseini
FILE: C:\Users\hhosseini\Desktop\Loop 9 Schematic\Loop 9 Schematic.dgn

DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY

COUNTY: DALLAS/ELLIS
DATE: JULY 2019

ROLL 5 OF 13

TEXAS DEPARTMENT OF TRANSPORTATION

PLAN LEGEND

- PROPOSED ℄'S
- PROPOSED ROW
- EXISTING ROW
- 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 RENT
- PROPOSED CULVERT
- PROPOSED DIRECTION OF TRAVEL
- EXISTING DIRECTION OF TRAVEL
- PROPOSED BRIDGE
- PROPOSED MAIN LANES
- PROPOSED FRONTAGE ROAD
- PROPOSED RAMP
- PROPOSED CROSS STREET
- PAVEMENT TO BE REMOVED
- POTENTIAL DISPLACEMENT
- CURVE ID
- PARCEL ID

GENERAL NOTES:

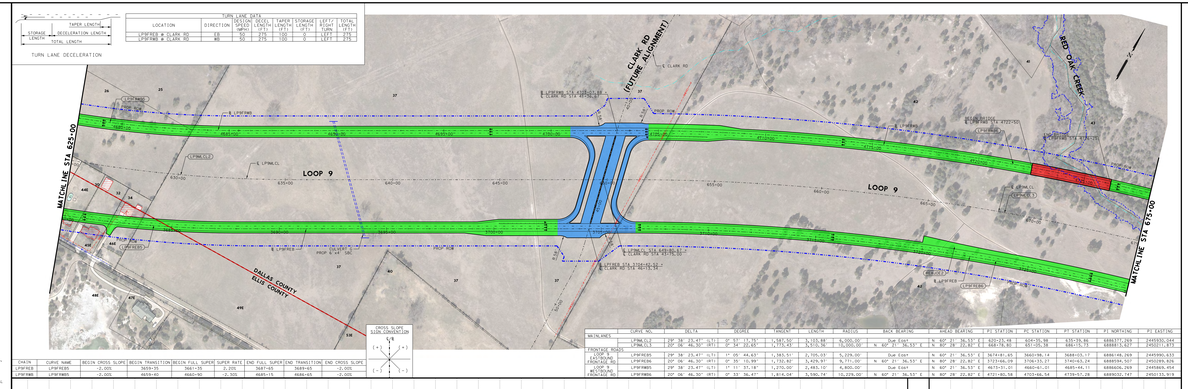
1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL MAPS, GIS DATA, AND LIMITED FIELD REVIEW.
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE ℄.
4. 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.
5. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS xxxx, xxxx, xxxx, xxxx, DATED xx/xx/xxxx.
6. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS, xxxx, COUNTY APPRAISAL DISTRICTS (APD'S) DATA AVAILABLE AS OF xxxx xxxx.
7. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DRAWINGS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
8. ADA RAMPS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING FINAL. SIDEWALKS ARE SHOWN ON ONE SIDE.
9. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN THE DESIGN PHASE THAT THE DRIVEWAY IS NON-COMPLIANT OR THERE IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS SPACING LIMITS.
10. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PARTIALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
11. CURBS ARE TYPE II (8") UNLESS NOTED OTHERWISE.
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
13. WHERE CONTROL OF ACCESS IS NOT SHOWN AT THE RAMP LOCATIONS, CONTROL OF ACCESS WILL BE ESTABLISHED ALONG THE CROSSROAD INTERSECTION TO THE ARE POSITIVE TRAFFIC MOVEMENT HAVE BEEN PROVIDED.
14. 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.
17. ALL MAINLANE MEDIAN CONCRETE TRAFFIC BARRIERS SHALL BE SINGLE SLOPE TRAFFIC BARRIER (SSTB) UNLESS NOTED OTHERWISE.

ROLL INDEX

ROLL 1:	US 67 MAINLANES BEGIN PROJECT TO STA 594+00	
ROLL 2:	US 67 MAINLANES STA 594+00 TO END PROJECT	
ROLL 3:	LOOP 9 MAINLANES STA 541+13 TO STA 575+00	
ROLL 4:	LOOP 9 MAINLANES / ALTERNATIVE 1 STA 575+00 TO STA 624+00	
ROLL 5:	LOOP 9 MAINLANES / ALTERNATIVE 1 STA 624+00 TO STA 673+00	
ROLL 6:	LOOP 9 MAINLANES / ALTERNATIVE 1 STA 673+00 TO STA 721+00	
ROLL 7:	LOOP 9 MAINLANES / ALTERNATIVE 1 STA 721+00 TO STA 769+00	
ROLL 8:	LOOP 9 MAINLANES STA 769+00 TO STA 825+00	
ROLL 9:	LOOP 9 MAINLANES STA 825+00 TO STA 875+00	
ROLL 10:	LOOP 9 MAINLANES STA 875+00 TO STA 925+00	
ROLL 11:	LOOP 9 MAINLANES STA 925+00 TO STA 975+00	
ROLL 12:	LOOP 9 MAINLANES STA 975+00 TO STA 1025+00	
ROLL 13:	LOOP 9 MAINLANES STA 1025+00 TO END PROJECT	

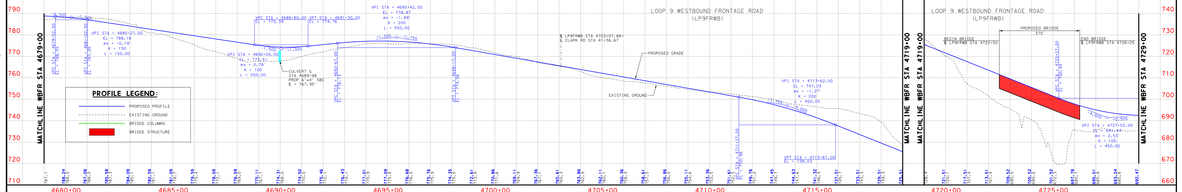
PARCEL	OWNER
1	Phase Works
2	Phase Works
3	WILLIAMS STEPHANIE
4	WILLIAMS GARY L
5	BENNEE ALEXANDRIA
6	SILVER RANCHES LTD
7	SILVER RANCHES LTD
8	WILLIAMS, GARY LEROY
9	SILVER RANCHES LTD
10	WILLIS DAVID & BARBARA

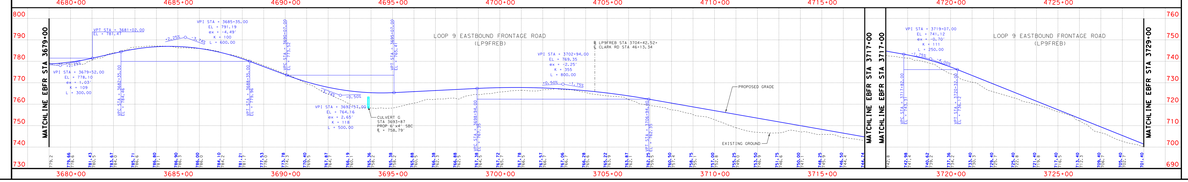
PARCEL	OWNER
49	CLAUSS STEPHANIE L
50	WILLIAMS GARY L
51	BENNEE JOSE A & ALEJANDRA
52	WILLIAMS GARY L & STEPHANIE
53	ENGLAND TIMOTHY A & KRISTEN M
54	SILVER RANCHES LTD



LOCATION	DIRECTION	TURN LANE DATA: NO. OF LANES	TAPER LENGTH	STORAGE LENGTH	DECEL. LENGTH	TOTAL LENGTH
LPSFWB @ CLARK RD	EB	1	150	100	0	250
LPSFWB @ CLARK RD	WB	1	150	100	0	250

MAINLANES	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	PI STATION	PC STATION	PT STATION	PC NORTHING	PC EASTING
	LPMC1-1	29° 38' 26.41"	3°11'	1,492.50	2,957.76	1,797.50	N 60° 21' 36.53" E	N 30° 43' 10.12" E	607+72.16	592+79.66	622+37.42	6989757.295	2469590.597
	LPMC1-2	29° 05' 46.30"	3°11'	1,454.24	2,876.43	1,797.50	N 30° 43' 10.12" E	N 60° 28' 23.83" E	636+76.85	621+22.42	650+98.85	6991071.813	2470211.833
FRONTAGE ROADS													
EASTBOUND	LPSFRES	29° 38' 25.41"	3°11'	1,492.50	2,957.76	1,797.50	N 60° 21' 36.53" E	N 30° 43' 10.12" E	3,729.00	Due East	3,686+57.76	6989740.85	2469590.597
EASTBOUND	LPSFRES	29° 05' 46.30"	3°11'	1,454.24	2,876.43	1,797.50	N 30° 43' 10.12" E	N 60° 28' 23.83" E	3,729.00	Due East	3,686+57.76	6989740.85	2469590.597
WESTBOUND	LPSFWB	29° 05' 46.30"	3°11'	1,454.24	2,876.43	1,797.50	N 60° 21' 36.53" E	N 30° 43' 10.12" E	3,729.00	Due East	3,686+57.76	6989740.85	2469590.597
WESTBOUND	LPSFWB	29° 38' 25.41"	3°11'	1,492.50	2,957.76	1,797.50	N 30° 43' 10.12" E	N 60° 21' 36.53" E	3,729.00	Due East	3,686+57.76	6989740.85	2469590.597
MAINLANES	LPMC1-1	29° 38' 26.41"	3°11'	1,492.50	2,957.76	1,797.50	N 60° 21' 36.53" E	N 30° 43' 10.12" E	607+72.16	592+79.66	622+37.42	6989757.295	2469590.597
	LPMC1-2	29° 05' 46.30"	3°11'	1,454.24	2,876.43	1,797.50	N 30° 43' 10.12" E	N 60° 28' 23.83" E	636+76.85	621+22.42	650+98.85	6991071.813	2470211.833
FRONTAGE ROADS													
EASTBOUND	LPSFRES	29° 38' 25.41"	3°11'	1,492.50	2,957.76	1,797.50	N 60° 21' 36.53" E	N 30° 43' 10.12" E	4123+85.58	4109+26.54	4139+53.28	6989740.747	2470215.919
EASTBOUND	LPSFRES	29° 05' 46.30"	3°11'	1,454.24	2,876.43	1,797.50	N 30° 43' 10.12" E	N 60° 28' 23.83" E	4152+90.01	4138+35.78	4167+11.52	6991055.263	2470841.954
WESTBOUND	LPSFWB	29° 05' 46.30"	3°11'	1,454.24	2,876.43	1,797.50	N 60° 21' 36.53" E	N 30° 43' 10.12" E	4123+85.58	4109+26.54	4139+53.28	6989740.747	2470215.919
WESTBOUND	LPSFWB	29° 38' 25.41"	3°11'	1,492.50	2,957.76	1,797.50	N 30° 43' 10.12" E	N 60° 21' 36.53" E	4123+85.58	4109+26.54	4139+53.28	6989740.747	2470215.919





60% DRAFT
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PRELIMINARY
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SCHEMATIC PREPARED BY:
REGISTERED ENGINEER
FOR PRELIMINARY REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION
Prepared by or under the direction of the following:
HOSSEIN M. HOSSEINI, P.E. 119868
NAME (TEMPLATE), P.E. NUMBER
NAME (TEMPLATE), P.E. NUMBER
11/1/2019
DATE

HORIZONTAL SCALE
0 100 200 300
VERTICAL SCALE
0 5 10

ROLL 5 OF 13

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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TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

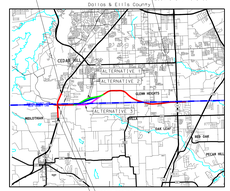
CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ # 0261-01-041: US 67 FROM NORTH OF
SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

MAINLANES (RURAL FREEWAY) - 70 MPH
RAMPS AND TRANSITIONS (RURAL FREEWAY) - 50 MPH
CROSS STREETS (RURAL COLLECTOR) - 50 MPH
U-TURNS (URBAN COLLECTOR) - 15 MPH

ALTERNATIVE 1



ROLL 5 OF 13

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: JULY 2019

ROLL 5 OF 13

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

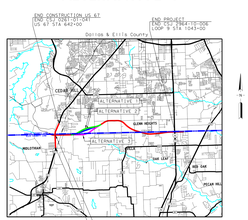
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ALTERNATIVE 1



60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE
WITHOUT NOTICE

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

SCHEMATIC PREPARED BY:
HOSSEIN M. HOSSEINI, P.E. - 119668
FOR INTERIM REVIEW ONLY, NOT FOR
PERMITTING, BIDDING OR CONSTRUCTION
Prepared by or under the
supervision of:
HOSSEIN M. HOSSEINI, P.E. 119668
Name (Typed or Printed) P.E. NUMBER
MICHAEL T. ZEMENSKY, P.E. 119668
Name (Typed or Printed) P.E. NUMBER
7/1/2019
DATE

ORIGINAL SCALE
0 50 100
REDUCTION SCALE
0 25 50

ROLL 6 OF 13

BGE, Inc.
2595 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 ● www.bgeinc.com
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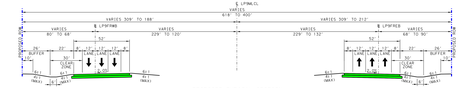
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7/1/2019 by
mkbur
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Tel: 972-464-4800 ● www.bgeinc.com
TBPE Registration No. F-1046











PLAN LEGEND

PROPOSED R/W
PROPOSED ROW
EXISTING ROW
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 RENT
PROPOSED CULVERT
PROPOSED DIRECTION OF TRAVEL
EXISTING DIRECTION OF TRAVEL
PROPOSED BRIDGE
PROPOSED MAIN LANES
PROPOSED FRONTAGE ROAD
PROPOSED RAMP
PROPOSED CROSS STREET
PAVEMENT TO BE REMOVED
POTENTIAL DISPLACEMENT
CURVE ID
PARCEL ID

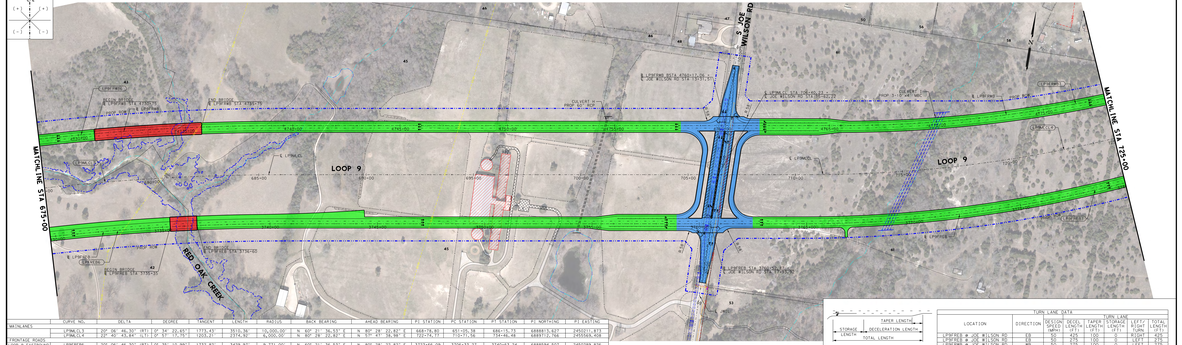
GENERAL NOTES:

1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL MAPPING AND LIMITED FIELD VERIFICATION.
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PDP DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
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). REFER TO TYPICAL SECTIONS FOR BARRIER TYPES AND LIMITS.
5. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS xxxx, xxxx, xxxx, xxxx, AND xxxx.
6. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC IS OBTAINED FROM DALLAS, xxxx, COUNTY APPRAISAL DISTRICTS (LATEST DATA AVAILABLE AS OF xxxx xxxx).
7. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
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9. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN THE DESIGN PHASE THAT THE DRIVEWAY IS NOT NEEDED OR THERE IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS.
10. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT OF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
11. CURBS ARE TYPE II (8") UNLESS NOTED OTHERWISE.
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
13. WHERE CONTROL OF ACCESS IS NOT SHOWN AT THE RAMP LOCATIONS, CONTROL OF ACCESS WILL BE ESTABLISHED AND/OR MODIFIED DURING THE PDP AND SCHEMATIC REVIEW PROCESS AND PUBLIC INVOLVEMENT PROCESS.
14. 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.
17. ALL MAINLANE MEDIAN CONCRETE TRAFFIC BARRIERS SHALL BE SINGLE SLOPE CONCRETE BARRIER (SSCB) UNLESS NOTED OTHERWISE.

ROLL INDEX

ROLL 1: US 67 MAINLANES, BEGIN PROJECT TO STA 594+00
ROLL 2: US 67 MAINLANES, STA 594+00 TO END PROJECT
ROLL 3: LOOP 9 MAINLANES, STA 642+00 TO STA 675+00
ROLL 4: LOOP 9 MAINLANES, ALTERNATIVE 1 STA 675+00 TO STA 825+00
ROLL 5: LOOP 9 MAINLANES, ALTERNATIVE 1 STA 825+00 TO STA 875+00
ROLL 6: LOOP 9 MAINLANES, ALTERNATIVE 1 STA 675+00 TO STA 775+00
ROLL 7: LOOP 9 MAINLANES, ALTERNATIVE 1 STA 775+00 TO STA 775+00
ROLL 8: LOOP 9 MAINLANES, STA 775+00 TO STA 825+00
ROLL 9: LOOP 9 MAINLANES, STA 825+00 TO STA 875+00
ROLL 10: LOOP 9 MAINLANES, STA 875+00 TO STA 925+00
ROLL 11: LOOP 9 MAINLANES, STA 925+00 TO STA 975+00
ROLL 12: LOOP 9 MAINLANES, STA 975+00 TO STA 1025+00
ROLL 13: LOOP 9 MAINLANES, STA 1025+00 TO END PROJECT

PARCEL	OWNER
41	DOCKER RANCHES LTD
42	WILLIS, DAVID & BARBARA
43	DOCKER RANCHES LTD ET AL
44	DENNIS HERN 1 ESTATE OF
45	DENNIS HERN 1 ESTATE OF
46	DENNIS HERN 1 ET AL
47	WILSON, JOE ALLEN
51	HOLLEY DENNIS MICHAEL &
52	HOLLEY, ET AL
53	WILSON, LELAND
54	WOOD, LLC

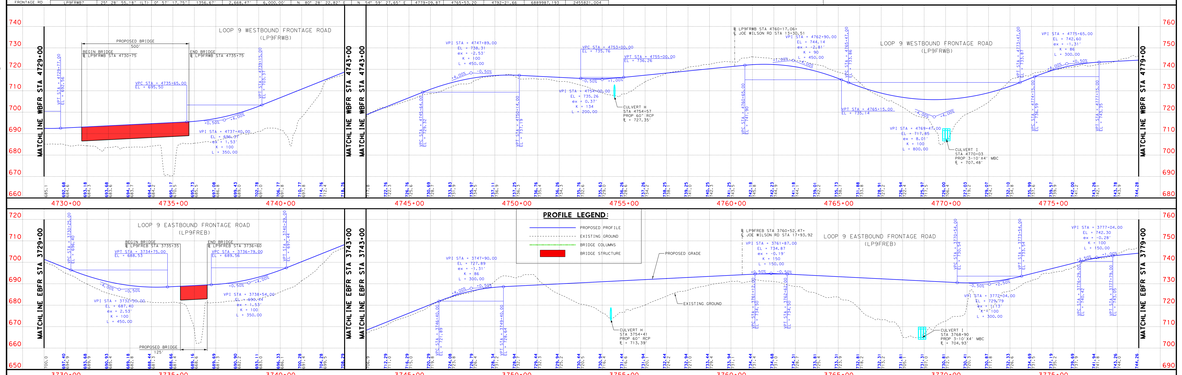


CROSS SLOPE SIGN CONVENTION	POINT	CURVE NAME	BEGIN CROSS SLOPE	BEGIN TRANSITION	MIDDLE CURVE SUPER RATE	END CURVE SUPER RATE	END CROSS SLOPE	END TRANSITION
	LPMFRS	CURVE#1	-0.00%	STA5700	STA5715	-0.00%	STA5730	-0.00%

MATCHLINES	CURVE NO.	DELTA	DEGREE	RADIUS	LENGTH	TANGENT	CHORD BEARING	AHEAD BEARING	PI: STATION	PI: NORTHING	PI: EASTING
	LPMAIN-3	20° 58' 26.70" (RT)	2° 54' 35.43"	1970.43	3602.98	-0.00 00' 00"	N 89° 29' 13.35" E	N 89° 29' 13.35" E	666+28.85	6885135.168	2452021.858
	LPMAIN-4	20° 58' 26.70" (RT)	2° 54' 35.43"	1970.43	3602.98	-0.00 00' 00"	N 89° 29' 13.35" E	N 89° 29' 13.35" E	702+31.83	6885135.168	2455624.688
FRONTAGE ROAD											
LOOP 9 EASTBOUND	LPMFRNB	20° 58' 26.70" (RT)	5° 59' 14.98"	956.77	1750.57	884.54	N 89° 29' 13.35" E	N 89° 29' 13.35" E	1702+46.74	6885134.77	2452020.858
LOOP 9 WESTBOUND	LPMFRWB	20° 58' 26.70" (RT)	5° 59' 14.98"	956.77	1750.57	884.54	N 89° 29' 13.35" E	N 89° 29' 13.35" E	1702+46.74	6885134.77	2452020.858
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LOOP 9 WESTBOUND	LPMFRWB	20° 58' 26.70" (RT)	5° 59' 14.98"	956.77	1750.57	884.54	N 89° 29' 13.35" E	N 89° 29' 13.35" E	1702+46.74	6885134.77	2452020.858

TURN LANE DATA							
LOCATION	DIRECTION	DESIGN SPEED	TAPER LENGTH	STORAGE LENGTH	DECEL. LENGTH	WIDTH	TOTAL LENGTH
LPMFRS @ JOE WILSON RD	EB	50	180	100	100	12	380
LPMFRS @ JOE WILSON RD	WB	50	180	100	100	12	380
LPMFRN @ JOE WILSON RD	EB	50	180	100	100	12	380
LPMFRN @ JOE WILSON RD	WB	50	180	100	100	12	380

TURN LANE DECELERATION



TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

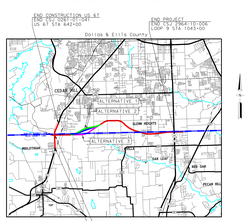
CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ # 0261-01-041: US 67 FROM NORTH OF
SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

MAINLANES (RURAL FREEWAY) - 70 MPH
RAMPS AND TRANSITIONS (RURAL FREEWAY) - 50 MPH
CROSS STREETS (RURAL COLLECTOR) - 50 MPH
U-TURNS (URBAN COLLECTOR) - 15 MPH

ALTERNATIVE 1



60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE
WITHOUT NOTICE

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

SCHEMATIC PREPARED BY:
HOSSEIN M. HOSSEINI, P.E. - 119668
FOR INTERIM REVIEW ONLY, NOT FOR
PERMITTING, BIDDING OR CONSTRUCTION
Prepared by or under the
supervision of:
HOSSEIN M. HOSSEINI, P.E. 119668
Name (Typed or Printed) P.E. NUMBER
MICHAEL T. ZEMENSKY, P.E. 119668
Name (Typed or Printed) P.E. NUMBER
7/1/2019
DATE

ORIGINAL SCALE
0 50 100
REDUCTION SCALE
0 25 50

ROLL 6 OF 13

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: JULY 2019
ROLL 6 OF 13

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

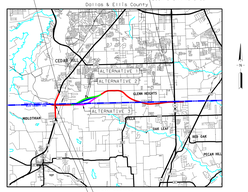
CSJ = 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
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DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

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RAMPS AND TRANSITIONS (RURAL FREEWAY)	: 50 MPH
CROSS STREETS (RURAL COLLECTOR)	: 40 MPH
CROSS STREETS (URBAN COLLECTOR)	: 35 MPH
U-TURNS (URBAN COLLECTOR)	: 15 MPH

ALTERNATIVE 1



60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE
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PRELIMINARY
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Prepared by or under the supervision of:
HOSSEIN M. HOSSEINI, P.E. | 119668
Name (Licensee, P.E.) | P.E. NUMBER
MICHAEL L. DEMONTE, P.E. | 91801
Name (Licensee, P.E.) | P.E. NUMBER
7/1/2019
DATE

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

ROLL 7 OF 13

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PLAN LEGEND

PROPOSED ℄'S
PROPOSED ROW
EXISTING ROW
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 RENT
PROPOSED CULVERT
PROPOSED DIRECTION OF TRAVEL
EXISTING DIRECTION OF TRAVEL
PROPOSED BRIDGE
PROPOSED MAIN LANES
PROPOSED FRONTAGE ROAD
PROPOSED RAMP
PROPOSED CROSS STREET
PAVEMENT TO BE REMOVED
POTENTIAL DISPLACEMENT
CURVE ID
PARCEL ID

GENERAL NOTES:

1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL PHOTOGRAPHY, GIS DATA AND LIMITED FIELD REVIEW.
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE FINAL DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
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). REFER TO TYPICAL SECTIONS FOR BARRIER TYPES AND LIMITS.
5. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS xxxx, xxxx, xxxx, xxxx, DATED xx/xx/xxxx.
6. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS, xxxx, COUNTY APPRAISAL DISTRICTS (LATEST DATA AVAILABLE AS OF xxxx xx,xxxx).
7. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
8. ADA RAMPS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING FINAL. SIDEWALKS ARE SHOWN ON TYPICAL SECTIONS.
9. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN THE DESIGN PHASE THAT THE DRIVEWAY IS NON-COMPLIANT OR THERE IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS.
10. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
11. CURBS ARE TYPE II (8") UNLESS NOTED OTHERWISE.
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE FINAL PHASE OF THE PROJECT.
13. WHERE CONTROL OF ACCESS IS NOT SHOWN AT THE RAMP LOCATIONS, CONTROL OF ACCESS WILL BE ESTABLISHED AND/OR REVISED IN CONJUNCTION WITH THE NEXT ROADWAY PROJECT IN THE AREA.
14. EXISTING PAVEMENT/BRIDGES LOCATED WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED (UNLESS NOTED OTHERWISE).
15. ALL CROSS STREETS CORNER RADII ARE 40 FT MINIMUM UNLESS NOTED OTHERWISE.
16. ALL DRIVEWAYS CORNER RADII ARE 25 FT MINIMUM UNLESS NOTED OTHERWISE.
17. ALL MAINLANE MEDIAN CONCRETE TRAFFIC BARRIERS SHALL BE SINGLE SLOPE TYPE C411 BARRIER (SSCB) UNLESS NOTED OTHERWISE.

ROLL INDEX

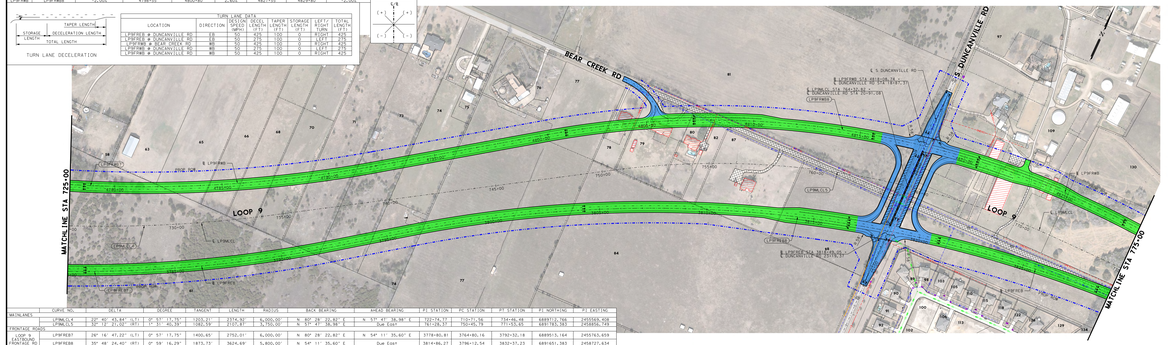
ROLL 1:	US 67 MAINLANES: BEGIN PROJECT TO STA 594+00
ROLL 2:	US 67 MAINLANES: STA 594+00 TO END PROJECT
ROLL 3:	LOOP 9 MAINLANES: STA 641+12 TO STA 675+00
ROLL 4:	LOOP 9 MAINLANES: ALTERNATIVE 1: STA 675+00 TO STA 829+00
ROLL 5:	LOOP 9 MAINLANES: ALTERNATIVE 1: STA 829+00 TO STA 875+00
ROLL 6:	LOOP 9 MAINLANES: ALTERNATIVE 1: STA 875+00 TO STA 929+00
ROLL 7:	LOOP 9 MAINLANES: ALTERNATIVE 1: STA 929+00 TO STA 979+00
ROLL 8:	LOOP 9 MAINLANES: STA 979+00 TO STA 825+00
ROLL 9:	LOOP 9 MAINLANES: STA 825+00 TO STA 875+00
ROLL 10:	LOOP 9 MAINLANES: STA 875+00 TO STA 925+00
ROLL 11:	LOOP 9 MAINLANES: STA 925+00 TO STA 975+00
ROLL 12:	LOOP 9 MAINLANES: STA 975+00 TO STA 1025+00
ROLL 13:	LOOP 9 MAINLANES: STA 1025+00 TO END PROJECT

PARCEL	OWNER
1	GUSTLEY LELAND
2	MOSLEY JOHN D
3	BROWN JOHN N (+UNDIV)
4	WHITE LOUIS V & BETTY ESTATE
5	WHITE LOUIS V & BETTY ETAL
6	HUGH JAMES D & ROSS W
7	SPRAY INC
8	ALVAREZ MARIO
9	ALVAREZ MARIO
10	ALVAREZ MARIO
11	ALVAREZ MARIO
12	MANCHESTER LEVAY G
13	DUCKETT'S STABLES
14	HERNANDEZ JOSE & BEATRIZ
15	REASONS LLC
16	SERRANO JOSE & BEATRIZ
17	SERRANO JOSE
18	WORLDWIDE PAGEIR N
19	KEYSOR U.S. MORTGAGE CORPORATION
20	MONTES ROSELIA S
21	CARDOSO SHANNA
22	CARDOSO SHANNA
23	ELEMENTOR CHRISTOPHER R &
24	ELEMENTOR CHRISTOPHER R &
25	LUNA STEVEN A & MARIA M
26	DUPUYTEN EDWARD
27	SOLOMAN TOMAS III N
28	SOLOMAN TOMAS III N
29	FITZGERALD MARY JO REVOCABLE LIVING TR
30	EVANS WANDA G
31	EVANS WANDA G
32	MARTINEZ PETRA
33	KNOWLES STEPHANIE D
34	KNOWLES STEPHANIE D
35	SEE PARCEL 34
36	S L KUCHA & SONS INC
37	SEE PARCEL 36
38	RYAN SHANNON & CHRISTINA
39	BEAR CREEK RANCH HOMEOWNERS ASSN

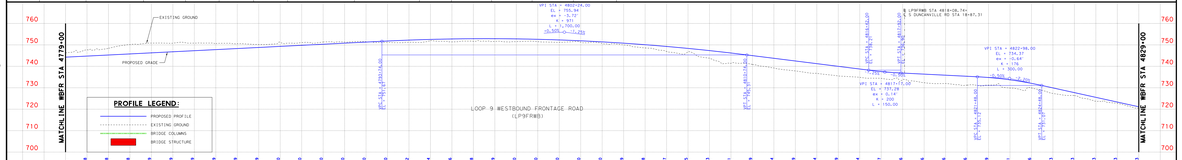
TURN LANE DATA								
LOCATION	DIRECTION	EXISTING SPEED	QUEUE LENGTH	TAPER LENGTH	STORAGE LENGTH	LEFT/ RIGHT	TOTAL LENGTH
LPMFRD & DUNCANVILLE RD	EB	45	50	250	100	LEFT	350
LPMFRD & DUNCANVILLE RD	EB	45	50	250	100	RIGHT	350
LPMFRD & DUNCANVILLE RD	WB	50	50	250	100	LEFT	350
LPMFRD & DUNCANVILLE RD	WB	50	50	250	100	RIGHT	350
LPMFRD & DUNCANVILLE RD	WB	50	425	100	0	RIGHT	425

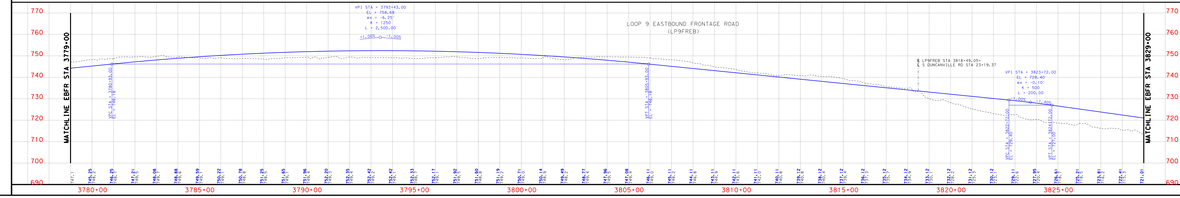
TURN LANE LENGTH = TAPER LENGTH + STORAGE LENGTH + DECELERATION LENGTH
TURN LANE DECELERATION = TOTAL LENGTH

CROSS TURN SIGN CONVENTION



MAINLANES	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	P.I. STATION	P.I. EASTING	P.I. NORTHING	P.I. ELEVATION
	LPMCSL4	24° 49' 43.84" (LT)	01° 51'-11.75"	1222.51	2374.58	6,200.00	N 80° 28' 22.82" E	N 74° 21' 38.98" E	4812+74.19	6691+76.78	4357+06.24	455559.458
	LPMCSL5	24° 21' 21.00" (RT)	01° 51'-11.75"	1190.98	2321.87	6,200.00	N 74° 21' 38.98" E	N 80° 28' 22.82" E	4811+26.67	6691+45.35	4357+05.55	455559.458
FRONTAGE ROADS												
LOOP 9 EASTBOUND FRONTAGE RD	LPSFRE87	25° 16' 47.22" (LT)	01° 57'-17.75"	1400.65	2752.01	6,000.00	N 80° 28' 22.82" E	N 54° 11' 35.60" E	3764+80.16	3782+32.18	6898915.164	245576.659
	LPSFRE88	25° 48' 24.40" (RT)	01° 59' 16.29"	1875.73	3624.69	5,800.00"	Due East	3796+12.54	3832+37.23	6898483.383	245872.634	
LOOP 9 WESTBOUND FRONTAGE RD	LPSFRW87	25° 28' 35.18" (LT)	01° 57' 17.75"	1386.87	2668.97	6,000.00"	N 80° 28' 22.82" E	N 54° 59' 47.64" E	4778+26.87	4763+53.00	4782+01.46	6898987.170	245583.204
	LPSFRW88	25° 46' 06.03" (RT)	01° 57' 51.07"	1432.59	2761.23	6,200.00"	N 54° 59' 27.65" E	S 83° 20' 26.33" E	4814+68.01	4800+36.41	4827+97.65	6899204.634	245877.915





TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

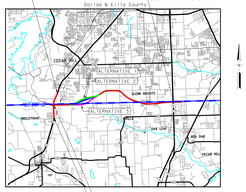
DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

CSJ = 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ = 0261-01-041: US 67 FROM NORTH OF SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:
MAINLANES (RURAL FREEWAY) : 70 MPH
RAMPS AND TRANSITIONS (RURAL FREEWAY) : 50 MPH
CROSS STREETS (RURAL COLLECTOR) : 40 MPH
CROSS STREETS (URBAN COLLECTOR) : 35 MPH
U-TURNS (URBAN COLLECTOR) : 15 MPH

ALTERNATIVE 1



60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE
WITHOUT NOTICE

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

SCHEMATIC PREPARED BY:
HOSSEIN M. HOSSEINI, P.E. | 119668
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Prepared by or under the supervision of:
HOSSEIN M. HOSSEINI, P.E. | 119668
Name (Licensee, P.E.) | P.E. NUMBER
MICHAEL L. DEMONTE, P.E. | 91801
Name (Licensee, P.E.) | P.E. NUMBER
7/1/2019
DATE

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

ROLL 7 OF 13

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: JULY 2019
ROLL 7 OF 13
TEXAS DEPARTMENT OF TRANSPORTATION

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

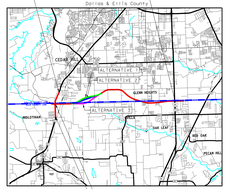
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LOOP 9 & US67
DALLAS & ELLIS COUNTIES

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Project Length = 1.9 Miles

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RAMPS AND TRANSITIONS (RURAL FREEWAY)	- 50 MPH
FRONTAGE ROADS (URBAN COLLECTOR)	- 40 MPH
CROSS STREETS	- 40 MPH
U-TURNS (URBAN COLLECTOR)	- 15 MPH



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SCHEMATIC PREPARED BY:
REGISTERED ENGINEER
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Prepared by or under the
supervision of:
HOSSEIN M. HOSSEINI, P.E. LICENSE
NO. 119668
MICHAEL G. SEMENOVICH, P.E. LICENSE
NO. 119668
Name Date P.E. NUMBER

11/1/2019
DATE

ORIGINAL SCALE
0 250 500
REDUCED SCALE
0 50 100

ROLL 8 OF 13

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PROPOSED TYPICAL SECTION
STA 689+93 TO STA 795+28

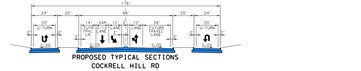


PROPOSED TYPICAL SECTION
STA 795+28 TO STA 800+29

STA 797+20 TO STA 799+68



PROPOSED TYPICAL SECTION
STA 800+29 TO STA 803+19


℄ COCKRELL HILL RD
114'
24'
66'
20'
14'
12'
12'
14'
20'
2%
2%
2%

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

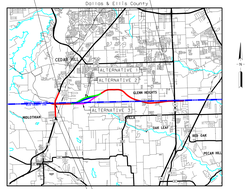
DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
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60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE WITHOUT NOTICE

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

SCHEMATIC PREPARED BY:
REGISTERED ENGINEER
FIRM - TBPE REGISTRATION # F-1046
FOR INTERIM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION
Prepared by or under the supervision of:
HOSSEIN M. HOSSEINI, P.E. | 119668
NAME | P.E. NUMBER
MICHAEL T. DEMONTIGNY, P.E. | 119668
NAME | P.E. NUMBER
11/1/2019
DATE

HORIZONTAL SCALE
0 250 500
VERTICAL SCALE
0 25 50

ROLL 9 OF 13

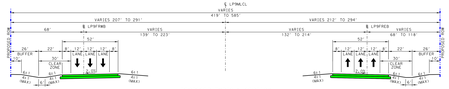
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TBPE Registration No. F-1046

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PLOTTED BY: Lindsay Lee
DATE PLOTTED: 10/31/2019 - 10:47 AM
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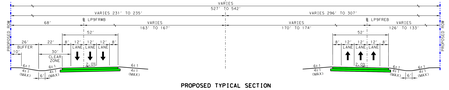
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TBPE Registration No. F-1046

DESIGN SCHEMATIC - LOOP 9 DALLAS/ELLIS COUNTY | COUNTY: DALLAS/ELLIS DATE: JULY 2019 | ROLL 9 OF 13













PARCEL NO.	OWNER
22	20 LP MGMT
23	2020 COWBOYS TRACT PARTNERSHIP
24	3 MUSA INVEST, LP
25	3 MUSA INVEST, LP
26	3MM KITCHEN
27	3MUSA INVEST, LP
28	3MUSA INVEST, LP
29	7-ELEVEN, INC
30	8070 ROYAL LLC
31	8080 ROYAL LLC
32	9 & 9 ROSS OFFICE, L
33	A-PLUSS INVESTMENTS, INC
34	ABDUL, ZAHIR
35	ABRAHAM, MONICA, A
36	ACEVEDO, GLORIA

PLAN LEGEND

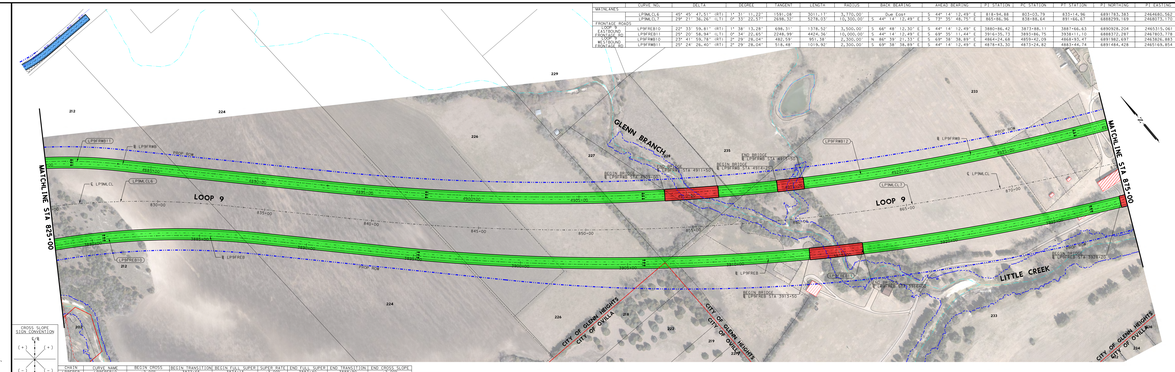
- PROPOSED C/L
- PROPOSED ROW
- EXISTING ROW
- CONTROL OF ACCESS
- PROPERTY LINES
- CITY LIMITS
- 100 YR FLOODPLAIN LIMITS
- EXISTING PLANIMETRIC FEATURES
- COUNTY LINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED TRAFFIC BARRIER
- PROPOSED RETAINING WALL
- PROPOSED BRIDGE RENT
- PROPOSED CULVERT
- PROPOSED DIRECTION OF TRAVEL
- EXISTING DIRECTION OF TRAVEL
- PROPOSED BRIDGE
- PROPOSED MAIN LANES
- PROPOSED FRONTAGE ROAD
- PROPOSED RAMP
- PROPOSED CROSS STREET
- PAVEMENT TO BE REMOVED
- POTENTIAL DISPLACEMENT
- CURVE ID
- PARCEL ID

GENERAL NOTES:

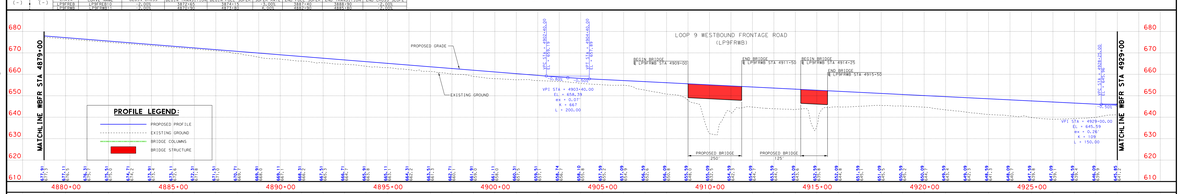
1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL MAPPING AND EXISTING RECORD DRAWINGS AND MAPS.
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL.
4. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, RAIL, BARRIER, OR WALL UNLESS NOTED OTHERWISE). REFER TO TYPICAL SECTIONS FOR BARRIER TYPES AND LIMITS.
5. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS xxxx, xxxx, xxxx, xxxx, AND xxxx.
6. GEOMETRIC INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS, xxxx, COUNTY APPRAISAL DISTRICTS (CAD'S) DATA AVAILABLE AS OF xxxx xx,xxxx.
7. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
8. ADA RAMPS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING FINAL DESIGN. SIDEWALKS ARE SHOWN ON ONE SIDE.
9. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN THE DESIGN PHASE THAT THE DRIVEWAY IS NOT NEEDED OR THERE IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS.
10. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY IMPACTS THE EXISTING BUILDING STRUCTURE.
11. CURBS ARE TYPE II (8") UNLESS NOTED OTHERWISE.
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
13. WHERE CONTROL OF ACCESS IS NOT SHOWN AT THE RAMP LOCATIONS, CONTROL OF ACCESS WILL BE ESTABLISHED AND/OR REVISED IN CONJUNCTION WITH THE NEXT ROW PHASE OF THE PROJECT.
14. 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.
17. ALL METROLANE MEDIAN CONCRETE TRAFFIC BARRIERS SHALL BE SINGLE SLOPE TYPE SSTB40 BARRIER (SSCB1 UNLESS NOTED OTHERWISE.

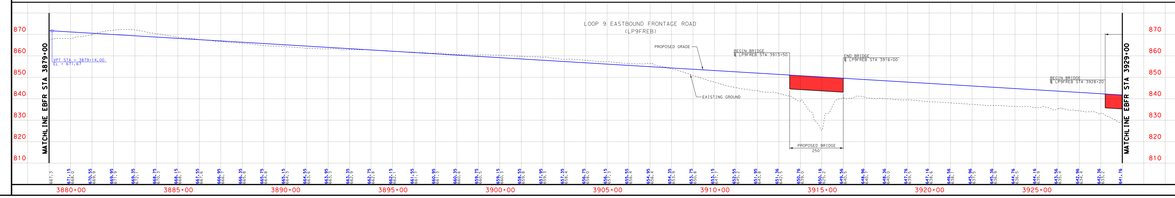
ROLL INDEX

ROLL 1	US 67 MAINLANES BEGIN PROJECT TO STA 594+00
ROLL 2	US 67 MAINLANES STA 594+00 TO END PROJECT
ROLL 3	LOOP 9 MAINLANES BEGIN PROJECT TO STA 575+00
ROLL 4	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 575+00 TO STA 625+00
ROLL 5	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 625+00 TO STA 675+00
ROLL 6	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 675+00 TO STA 725+00
ROLL 7	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 725+00 TO STA 775+00
ROLL 8	LOOP 9 MAINLANES STA 775+00 TO STA 825+00
ROLL 9	LOOP 9 MAINLANES STA 825+00 TO STA 875+00
ROLL 10	LOOP 9 MAINLANES STA 875+00 TO STA 925+00
ROLL 11	LOOP 9 MAINLANES STA 925+00 TO STA 975+00
ROLL 12	LOOP 9 MAINLANES STA 975+00 TO STA 1025+00
ROLL 13	LOOP 9 MAINLANES STA 1025+00 TO END PROJECT



MATCHLINE	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	PI STATION	PC STATION	PT STATION	PT NORTHING	PT EASTING
EXISTING ROW	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	PI STATION	PC STATION	PT STATION	PT NORTHING	PT EASTING
	LPSFRB10	49° 45' 47.5"	011° 1' 31"	1,537.28	2,909.51	525'+/-	S 64° 12' 12.99" E	873+26.58	855+26.78	884+36.29	6859+26.78	2,909.51	
	LPSFRB11	49° 45' 47.5"	011° 1' 31"	1,537.28	2,909.51	525'+/-	S 64° 12' 12.99" E	873+26.58	855+26.78	884+36.29	6859+26.78	2,909.51	
PROPOSED ROW													
MATCHLINE	LPSFRB10	2° 27' 33.3"	0° 19' 11"	398.13	796.09	2,500.00'	S 64° 49' 12.50" E	1,194+24.71	1,190+26.58	1,198+22.67	6870+26.78	796.09	
EXISTING ROW	LPSFRB11	2° 27' 33.3"	0° 19' 11"	398.13	796.09	2,500.00'	S 64° 49' 12.50" E	1,194+24.71	1,190+26.58	1,198+22.67	6870+26.78	796.09	
MATCHLINE	LPSFRB10	2° 27' 41.75"	0° 19' 29"	404.59	809.00	2,500.00'	S 64° 50' 37.13" E	1,202+33.30	1,198+28.71	1,206+37.71	6874+15.43	6853+82.57	4628026.383
	LPSFRB11	2° 27' 41.75"	0° 19' 29"	404.59	809.00	2,500.00'	S 64° 50' 37.13" E	1,202+33.30	1,198+28.71	1,206+37.71	6874+15.43	6853+82.57	4628026.383
EXISTING ROW	LPSFRB10	2° 27' 24.85"	0° 19' 29"	404.40	808.68	2,500.00'	S 64° 50' 36.88" E	1,210+42.70	1,206+38.30	1,214+47.00	6878+14.74	6857+83.26	4629024.654
MATCHLINE	LPSFRB11	2° 27' 24.85"	0° 19' 29"	404.40	808.68	2,500.00'	S 64° 50' 36.88" E	1,210+42.70	1,206+38.30	1,214+47.00	6878+14.74	6857+83.26	4629024.654





TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

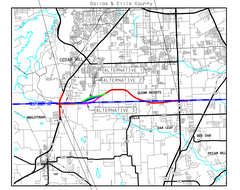
DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ # 0261-01-041: US 67 FROM NORTH OF
SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

MAINLANES (RURAL FREEWAY)	- 70 MPH
RAMPS AND TRANSITIONS (RURAL FREEWAY)	- 50 MPH
CROSS STREETS (URBAN COLLECTOR)	- 40 MPH
U-TURNS (URBAN COLLECTOR)	- 15 MPH



60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE WITHOUT NOTICE

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

SCHEMATIC PREPARED BY:
REGISTERED ENGINEER
FIRM - TBPE REGISTRATION # F-1046
FOR INTERIM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION
Prepared by or under the supervision of:
HOSSEIN M. HOSSEINI, P.E. | 119668
NAME | P.E. NUMBER
MICHAEL T. DEMONTIGNY, P.E. | 119668
NAME | P.E. NUMBER
11/1/2019
DATE

HORIZONTAL SCALE
0 250 500
VERTICAL SCALE
0 25 50

ROLL 9 OF 13

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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PLOTTED BY: Lindsay Lee
DATE PLOTTED: 10/31/2019 - 10:47 AM
FILE NAME: P:\Projects\Loop 9 & US67\Design\Schematic\Loop 9 & US67 Schematic.dgn

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

DESIGN SCHEMATIC - LOOP 9 DALLAS/ELLIS COUNTY | COUNTY: DALLAS/ELLIS DATE: JULY 2019 | ROLL 9 OF 13

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
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Project Length = 1.9 Miles

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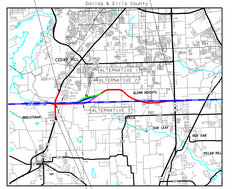
DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

MAINLANES (RURAL FREEWAY)	- 70 MPH
RAMPS AND TRANSITIONS (RURAL FREEWAY)	- 50 MPH
CROSS STREETS (RURAL COLLECTOR)	- 40 MPH
U-TURNS (URBAN COLLECTOR)	- 15 MPH

COUNTY: DALLAS/ELLIS
DATE: JULY 2019

DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY

ROLL 10 OF 13



60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE

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

SCHEMATIC PREPARED BY:
TEC - CSJ# 0261-01-041
FOR INTERIM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION
Prepared by or under the supervision of:
HOSSEIN M. HOSSEINI, P.E. - 119668
NAME (DENISE S. PRICE, P.E.) P.E. NUMBER
MICHAEL G. SIMONSEN, P.E. - 119668
NAME (MICHAEL G. SIMONSEN, P.E.) P.E. NUMBER
7/1/2019
DATE

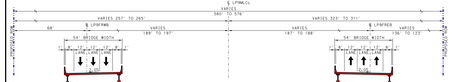
ORIGINAL SCALE
0 50 100
REDUCTION SCALE
0 50

ROLL 10 OF 13

BGE, Inc.
2306 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
101	MAYFIELDEN INVESTMENTS INC
102	STATE OF TEXAS
201	ATMOS ENERGY CORP
202	JEFFERSON HOMES
203	MATTHEW MILLER
204	NORTHCUTT JAMES WILSON &
205	MCCRACKEN, JAMES A
206	BRANCH NORMA
207	FULLER STORAGE GALL
208	MCCRACKEN, JAMES A & MARGRETT S
209	TENNANT CHRISTOPHER & NICOLLE
210	BELL TROY
211	BRANDON LEE M III & EDRINA
212	BOWEN, JAMES
213	BOWEN WILLIE B & PAMELA S
214	BOWEN WILLIE B & PAMELA S
215	BOWEN DALLAS
216	SMITH VAUGHAN
217	MCCRACKEN, JAMES A VANESSA
218	ROBERTS GREGORY L
219	MCCLOTHEN ROGER LE
220	MCCLOTHEN ROGER & KIMBERLY R
221	PARRISH JOSEPH &
222	LITSCET, ROY L & VERONICA S
223	MCCRACKEN, JAMES A
224	BELL TROY
225	POLK TERESA
226	MCCRACKEN, JAMES A
227	MCCRACKEN, JAMES A
228	WASHINGTON BONNIE D &
229	SQUIRES ANNE
230	MCCRACKEN, JAMES A
231	PLUMMER KELLY TABITHA &
232	SULLIVAN JEANNIE MARIE &
233	SULLIVAN JEANNIE
234	JORDAN JENNIFER L
235	BOND ROBERT & SHARLA
236	BOND ROBERT & SHARLA
237	TEXAS TOLLS
238	TEXAS TOLLS
239	TEXAS TOLLS
240	TEXAS TOLLS
241	TENNIS ALVENTO
242	TENNIS ALVENTO
243	HAROLD & DEBORAH CLARK
244	CHOATE CLARK
245	CHOATE CLARK
246	GARCIA FELIPE
247	GARCIA FELIPE
248	JIMENEZ SANTIAGO & VERONICA
249	JIMENEZ SANTIAGO & VERONICA
250	HARRISON PHILLIP &
251	MCCRACKEN, JAMES A
252	MAYFIELDEN INVESTMENTS INC
253	MAYFIELDEN INVESTMENTS INC
254	JIMENEZ SANTIAGO & VERONICA
255	BURGESS MARK E
256	BURGESS MARK E
257	SYMSARAGE RICHARD
258	STORM DONALD SUMMER

PARCEL	OWNER
301	GOMEZ LINDA & DILSON HAMILTON S &
302	SHEFFIELD DEVELOPMENT CO INC
303	SHEFFIELD DEVELOPMENT CO INC
304	SHEFFIELD DEVELOPMENT CO INC
305	SHEFFIELD DEVELOPMENT CO INC
306	SHEFFIELD DEVELOPMENT CO INC

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

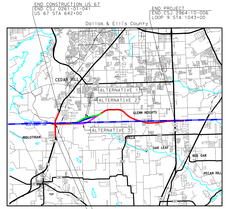
DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

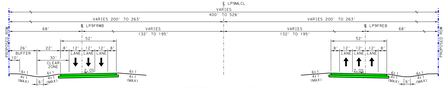
CSJ = 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ = 0261-01-041: US 67 FROM NORTH OF
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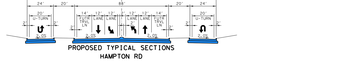
DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

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RAMPS AND TRANSITIONS (RURAL FREEWAY)	- 50 MPH
CROSS STREETS (RURAL COLLECTOR)	- 55 MPH
U-TURNS (URBAN COLLECTOR)	- 15 MPH







PARCEL	OWNER
2178	ALDRIDGE, ROBERT & PHYLLIS M
2179	MOSLEY, CHARLES
2180	BOLLER, EDWARD & CRISTINA
2181	BOLLER, EDWARD & CRISTINA
2182	MILLS, JAMES & MARY
2183	MILLS, JAMES & MARY
2184	HARRIS, RICHARD
2185	HARRIS, RICHARD
2186	MCCLESKEY RESIDENTIAL 2015-1 BORROWER LLC
2187	MCCLESKEY, CLAYTON
2188	MCCLESKEY, CLAYTON
2189	LOPEZ RICARDO R & ZOILA M
2190	LOPEZ RICARDO R & ELIZABETH M
2191	[illegible]
2192	BOSTON, DORETHA & RAMSEY, TATUM
2193	RODRIGUEZ, ANNE A & PATRICIA M
2194	RUIZ, FAITH, ARNULFO & CAMERON ROSA M
2195	[illegible]
2196	[illegible]
2197	SOCH, KEITH J & ESMERALDA G
2198	MS VENTURE HOLD NOTE, JENKSTEM W
2199	[illegible]
2200	BARRIOS, ISMAEL SR.
2201	BARRIOS, ISMAEL & NORBEL
2202	BOOSTER DEVELOPMENT CO INC
2203	[illegible]
2204	[illegible]
2205	THORNTON PATIOS
2206	[illegible]
2207	MS COLLOQUY SEN 3 & SPECIALTY F
2208	THOMAS, RAYMOND E JR
2209	[illegible]
2210	[illegible]
2211	MAYNE, JONATHAN & MELODY
2212	[illegible]
2213	[illegible]
2214	[illegible]

PARCEL	OWNER
2215	SLAUGHTER, ALLEN & PATTY
2216	MITCHELL, CHARLES
2217	MITCHELL, CHARLES
2218	SUMAN PATTICHE P &
2219	SUMAN PATTICHE P &
2220	WALTERS, OWNERS
2221	MARTINEZ, EDUARDO
2222	MARTINEZ, EDUARDO & BLANCA E
2223	[illegible]
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TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

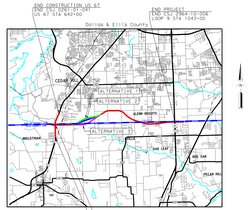
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DALLAS & ELLIS COUNTIES

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60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE
WITHOUT NOTICE

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

SCHEMATIC PREPARED BY:
REGISTERED 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 LICENSE NUMBER
MICHAEL T. [SIGNATURE], P.E. 94260
NAME LICENSE NUMBER
11/1/2019
DATE

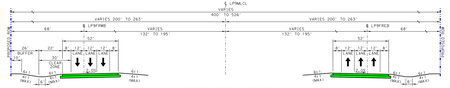
ORIGINAL SCALE
0 250 500
REVISION SCALE
0 25 50

ROLL 12 OF 13

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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℄ UHL RD
VARIES
24'
24'
68'
24'
24'
12'
12'
12'
12'
12'
12'
12'
12

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT

MOHAMED K. BUR, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC

LOOP 9 & US67
DALLAS & ELLIS COUNTIES

CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ # 0261-01-041: US 67 FROM NORTH OF
SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

DESIGN SPEEDS

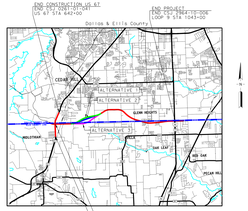
DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

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RAMPS AND TRANSITIONS (RURAL FREEWAY):	50 MPH
CROSS STREETS (RURAL COLLECTOR):	40 MPH
U-TURNS (URBAN COLLECTOR):	15 MPH

DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY

COUNTY: DALLAS/ELLIS
DATE: JULY 2019

ROLL 13 OF 13



60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE
WITHOUT NOTICE

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

SCHEMATIC PREPARED BY:
PRELIMINARY, SUBJECT TO CHANGE
FOR INTERIM REVIEW ONLY, NOT FOR
PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the
supervision of:
HOSSEIN M. MOGHISEH, P.E. | 119868
NAME | P.E. NUMBER
MICHAEL D. TOMCHESAK, P.E. | 96965
NAME | P.E. NUMBER
7/1/2019
DATE

HORIZONTAL SCALE
0 100 200 300
VERTICAL SCALE
0 50 75

ROLL 13 OF 13

BGE, Inc.
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Tel: 972-464-4800 ● www.bgeinc.com
TBPE Registration No. F-1046

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PROPOSED TYPICAL SECTION
STA 905+66 TO STA 1043+07

PLAN LEGEND

- PROPOSED ℄/R
- PROPOSED ROW
- EXISTING ROW
- 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 RENT
- PROPOSED CULVERT
- PROPOSED DIRECTION OF TRAVEL
- EXISTING DIRECTION OF TRAVEL
- PROPOSED BRIDGE
- PROPOSED MAIN LANES
- PROPOSED FRONTAGE ROAD
- PROPOSED RAMP
- PROPOSED CROSS STREET
- PAVEMENT TO BE REMOVED
- POTENTIAL DISPLACEMENT
- CURVE ID
- PARCEL ID
- PROPOSED BRIDGE (BY OTHERS)
- PROPOSED MAIN LANES (BY OTHERS)
- PROPOSED RAMP (BY OTHERS)
- PROPOSED FRONTAGE ROAD (BY OTHERS)

GENERAL NOTES:

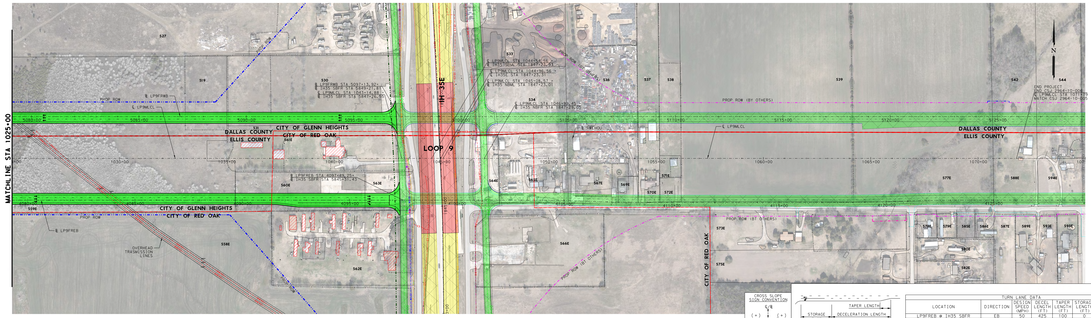
1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL MAPS, GIS DATA AND LIMITED FIELD REVIEW.
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PSNE DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
3. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL.
4. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, RAIL, BARRIER, OR WALL UNLESS NOTED OTHERWISE). REFER TO TYPICAL SECTIONS FOR BARRIER TYPES AND LIMITS.
5. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS xxxx, xxxx, xxxx, xxxx, DATED xx/xx/xxxx.
6. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS, xxxx, COUNTY APPRAISAL DISTRICTS (LATEST DATA AVAILABLE AS OF xxxx xxxx).
7. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
8. ADA RAMPS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING PS&E. SIDEWALKS ARE SHOWN ON TYPICAL SECTIONS.
9. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN THE DESIGN PHASE THAT THE DRIVEWAY IS NON-COMPLIANT OR THERE IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS.
10. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
11. CURBS ARE TYPE II (8") UNLESS NOTED OTHERWISE.
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PSNE PHASE OF THE PROJECT.
13. WHERE CONTROL OF ACCESS IS NOT SHOWN AT THE RAMP LOCATIONS, CONTROL OF ACCESS WILL BE ESTABLISHED DURING THE PSNE DEVELOPMENT OF THE ARE NOTED RAMPS. PSNE = PRELIMINARY SCHEMATIC DESIGN.
14. 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.
17. ALL MAINLANE MEDIAN CONCRETE TRAFFIC BARRIERS SHALL BE SINGLE SLOPE CONCRETE BARRIER (SSCB) UNLESS NOTED OTHERWISE.

ROLL INDEX

ROLL 1:	US 67 MAINLANES BEGIN PROJECT TO STA 594+00
ROLL 2:	US 67 MAINLANES STA 594+00 TO END PROJECT
ROLL 3:	LOOP 9 MAINLANES STA 1041+10 TO STA 575+00
ROLL 4:	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 575+00 TO STA 825+00
ROLL 5:	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 825+00 TO STA 775+00
ROLL 6:	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 775+00 TO STA 725+00
ROLL 7:	LOOP 9 MAINLANES (ALTERNATIVE 1) STA 725+00 TO STA 775+00
ROLL 8:	LOOP 9 MAINLANES STA 775+00 TO STA 825+00
ROLL 9:	LOOP 9 MAINLANES STA 825+00 TO STA 875+00
ROLL 10:	LOOP 9 MAINLANES STA 875+00 TO STA 925+00
ROLL 11:	LOOP 9 MAINLANES STA 925+00 TO STA 975+00
ROLL 12:	LOOP 9 MAINLANES STA 975+00 TO STA 1025+00
ROLL 13:	LOOP 9 MAINLANES STA 1025+00 TO END PROJECT

PARCEL	OWNER
1	
1-2	D.E. WOOD JR
1-3	COLLARD MILLWORK S.A.
1-4	BLACK, CHRISTINE
1-5	BLACK, CHRISTINE
1-6	LEWIS, GEORGE L JR &
1-7	WOOD, BARBARA ELLEN ULS
1-8	WOOD, BARBARA ELLEN
1-9	GARZA ROSA E.ET AL
1-10	DELLOSA ENA FRANCISCO
1-11	DELLOSA ENA FRANCISCO
1-12	WILLIAMS, JOHN WILSON SR
1-42	FLORES, ANNA JO
1-43	FLORES, ANNA JO

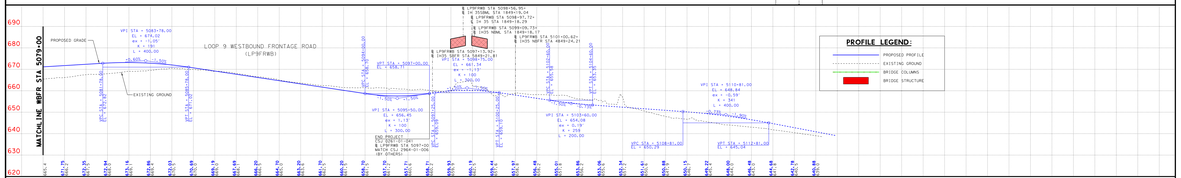
PARCEL	OWNER
1-44	MARRITT RAYMOND R. & WILMA B
1-45	BELL, MICHELLE
1-46	BANK, PAUL
1-47	HOUSE OF PRAISE, J. C.
1-48	HOUSE OF PRAISE MINISTRIES INC
1-49	BANK, PAUL
1-50	BANK, PAUL CLASSICS & AUTO
1-51	WOOD, BARBARA & HAROLD
1-52	RIVERFRONT PROPERTIES LP
1-53	DELLOSA ENA FRANCISCO
1-54	GARZA ROSA E.ET AL
1-55	DELLOSA ENA FRANCISCO
1-56	WILLIS, ARLON
1-57	WILLIS, ARLON
1-58	SUPET, LUIS & GRACIE
1-59	CLEMENTS, RICHARD & NANCY
1-60	RAMIREZ, JULIAN &
1-61	RAMIREZ, JULIAN & MARIA Z
1-62	BELL, MICHELLE
1-63	MC CLOSKEY, MARTA & LUCINA MOYA
1-64	MC CLOSKEY, MARTA & LUCINA & BLANCA
1-65	WOOD, CHARLES
1-66	WILLIS, RICHARD
1-67	DALLAS COUNTY UTILITY & RECL
1-68	FLORES, MARK T JR
1-69	WONG, ROBERT J JR & DEBRA J
1-70	FLORES, ANNA J
1-71	FLORES, ANNA J
1-72	DOMINO, THOMAS M & PAULETTE D

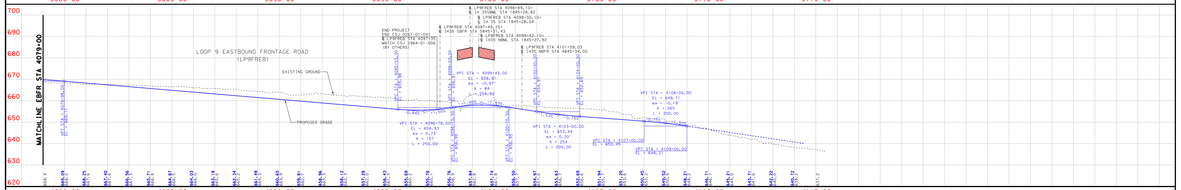


CROSS SLOPE SIGN CONVENTION

TURN LANE DECELERATION

LOCATION	DIRECTION	TURN LANE DATA: TAPER LENGTH (FT)	STORAGE LENGTH (FT)	TAPER LENGTH (FT)	STORAGE LENGTH (FT)	LEFT/ RIGHT TURN	TOTAL LENGTH (FT)
LPSFWB @ 1+25 SBFR	EB	50	50	100	0	0 LEFT	150





TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT

MOHAMED K. BUR, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC

LOOP 9 & US67
DALLAS & ELLIS COUNTIES

CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ # 0261-01-041: US 67 FROM NORTH OF
SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

DESIGN SPEEDS

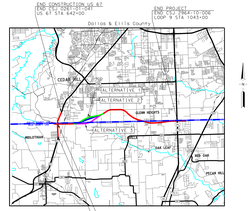
DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

MAINLANES (RURAL FREEWAY): 70 MPH
RAMPS AND TRANSITIONS (RURAL FREEWAY): 50 MPH
CROSS STREETS (RURAL COLLECTOR): 40 MPH
U-TURNS (URBAN COLLECTOR): 15 MPH

DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY

COUNTY: DALLAS/ELLIS
DATE: JULY 2019

ROLL 13 OF 13



60% DRAFT
PRELIMINARY, SUBJECT TO CHANGE
WITHOUT NOTICE

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

SCHEMATIC PREPARED BY:
PRELIMINARY, SUBJECT TO CHANGE
FOR INTERIM REVIEW ONLY, NOT FOR
PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the
supervision of:
HOSSEIN M. MOGHISEH, P.E. | 119868
NAME | P.E. NUMBER
MICHAEL D. TOMCHESAK, P.E. | 96965
NAME | P.E. NUMBER
7/1/2019
DATE

HORIZONTAL SCALE
0 100 200 300
VERTICAL SCALE
0 50 75

ROLL 13 OF 13

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