TEXAS DEPARTMENT OF TRANSPORTATION

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

DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

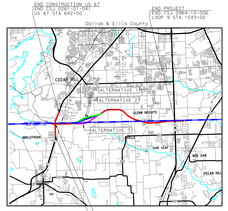
CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ # 0261-01-041: US 67 FROM NORTH OF
SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

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
CROSS STREETS:	50 MPH
U-TURNS (URBAN COLLECTOR):	15 MPH

ALTERNATIVE 3



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 PROFESSIONAL ENGINEER
FOR INTERIM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the supervision of:
HOSSEIN M. HOSSEINI, P.E. 119868
NAME P.E. NUMBER
MICHAEL W. LEWINSKI, P.E. 119865
NAME P.E. NUMBER
7/1/2019
DATE

HORIZONTAL SCALE
0 25 50 100
VERTICAL SCALE
0 5 10

ROLL 1 OF 4

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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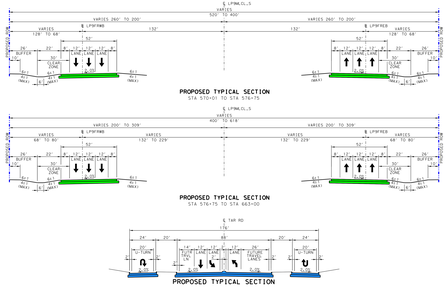
COUNTY: DALLAS/ELLIS
DATE: JULY 2019

DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY

ROLL 1 OF 4



PARCEL	OWNER
1	BELTWAY MARSHALL PROPERTIES
2	BUTLER WILLIAM E
3	BUTLER WILLIAM E
4	BUTLER WILLIAM E ETY W
5	CLAWSON ALBERT
6	WALKER MARK A
7	SANTOS PEDRO R
8	SANTOS PEDRO R
9	BUTLER WILLIAM E JR & PATTI K
10	CAMPBELL MICHAEL D &
11	CLAWSON ALBERT
12	CHUONG JIMMY DON &
13	DYAM MTWI
14	DYAM MTWI DEAN
15	BUTLER JOHN W & BLANCHIN L
16	ZITAGIS STEPHANIE

PARCEL	OWNER
17	BELCHTOWN BROADCASTING LLC
18	BELTWAY MARSHALL PROPERTIES LTD
19	BUTLER WILLIAM E
20	BUTLER WILLIAM E
21	BUTTY ANGELA BRETTON R
22	BUTLER WILLIAM E & MARGARET L
23	BELTWAY MARSHALL PROPERTIES LTD
24	BLUITON HAROLD E
25	FEDERAL NATIONAL MORTGAGE ASSOCIATION
26	BUTLER WILLIAM E & MARGARET L
27	DUPONCHEL DAVID L & HORTENSE
28	BUTTY ANGELA BRETTON R
29	BUTLER WILLIAM E JR & PATTI K
30	CAMPBELL MICHAEL D
31	DYAM MTWI
32	BUSH JEFFERY
33	DUONG DON DON & BETHA D
34	DUONG BAY JR & MARY JOLIE
35	CHUONG JIMMY DON & DELORES ANN
36	DUONG DON DON
37	DUONG DON DON
41	MORTA LUCILLE
42	BUTLER JOHN JONATHAN W & CHERIE
43	BUTLER STEPHANIE L
44	CHALKER TIMOTHY L & BRIDGET M

PLAN LEGEND

- PROPOSED C/B
- 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 BENT
- 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 AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PDMS 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, xxxx, 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, SIZES, 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 COORDINATION WITH THE LOCAL GOVERNMENT THAT THE DRIVEWAY IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS GENERAL LIMITS.
10. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PARTIALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
11. CURVE ARE TYPE II (R*) 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 REVISED AND ADDED AS NEEDED DURING THE PS&E 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 MEDIAN CONCRETE TRAFFIC BARRIERS SHALL BE SINGLE SLOPE TYPE 50 BARRIER (SSB) UNLESS NOTED OTHERWISE.

ROLL INDEX

ROLL 1: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 470+00 TO STA 823+00

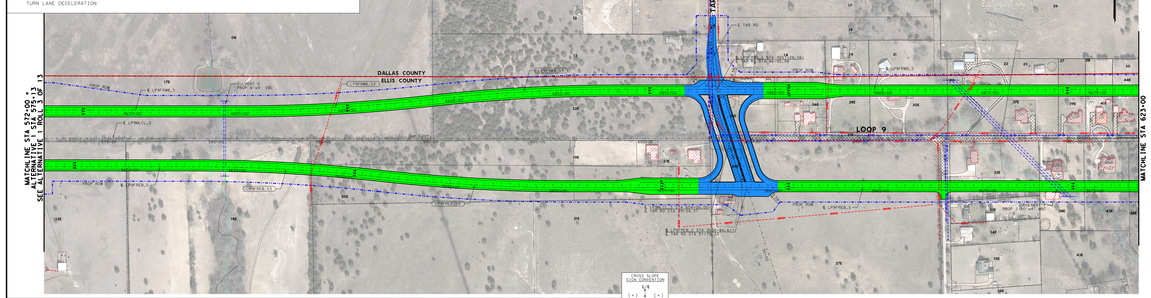
ROLL 2: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 823+00 TO STA 873+00

ROLL 3: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 873+00 TO STA 924+00

ROLL 4: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 924+00 TO STA 979+00

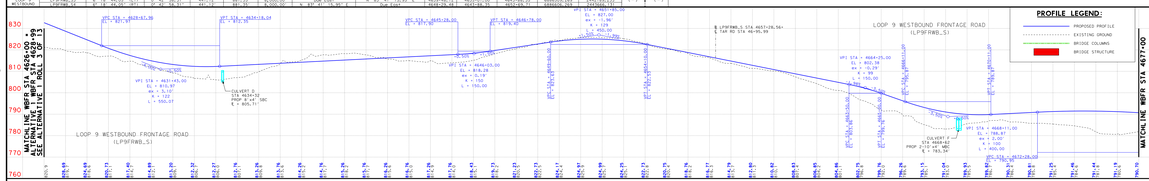
TURN LANE DECELERATION

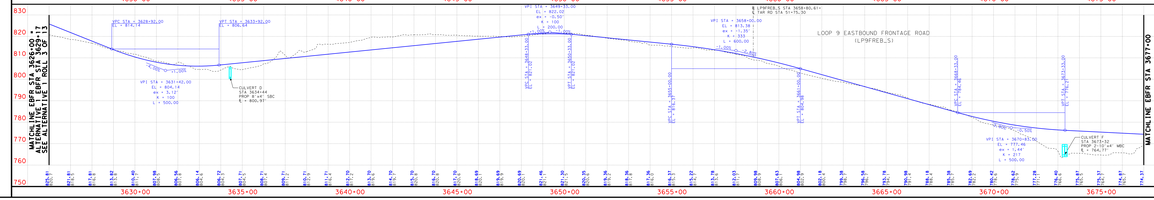
TURN LANE DATA							
LOCATION	DIRECTION	DESIGN SPEED (MPH)	TAPER LENGTH (FT)	STORAGE LENGTH (FT)	LEFT (FT)	TOTAL LENGTH (FT)	TURN LANE
LPSFRWB & TAR RD	EB	50	215	100	0	315	215
LPSFRWB & TAR RD	WB	50	215	100	0	315	215
LPSFRWB & TAR RD	EB	40	215	100	0	315	215
LPSFRWB & TAR RD	WB	40	215	100	0	315	215



CROSS SLOPE SIGN CONVENTION

FRONTAGE ROAD	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BASE BEARING	AHEAD BEARING	PI STATION	PC STATION	PT STATION	PI NORTHING	PI EASTING
EASTBOUND	LPSFRWB.S1	0° 18' 49.00"	0° 34' 56.70"	967.00'	967.00'	9,000.00'	Ang Point	S 84° 41' 19.00" E	9631+00.41	9627+33.39	9634+33.39	6888542.08	2443576.73
EASTBOUND	LPSFRWB.S2	0° 18' 49.00"	0° 34' 56.70"	967.00'	967.00'	9,000.00'	S 84° 41' 19.00" E	Ang Point	9634+33.39	9631+00.41	9638+00.41	6888542.08	2443576.73
WESTBOUND	LPSFRWB.S3	0° 24' 25.00"	0° 42' 00.00"	1,000.00'	1,000.00'	8,500.00'	Ang Point	N 89° 31' 39.00" E	9638+00.41	9633+00.41	9643+00.41	6888542.08	2443576.73





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

TEXAS DEPARTMENT OF TRANSPORTATION

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

ALTERNATIVE 3

60% DRAFT
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NAME P.E. NUMBER
MICHAEL W. LEWINSKI, P.E. 119865
NAME P.E. NUMBER
7/1/2019
DATE

HORIZONTAL SCALE
0 25 50 100
VERTICAL SCALE
0 5 10

ROLL 1 OF 4

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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COUNTY: DALLAS/ELLIS
DATE: JULY 2019

DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY

ROLL 1 OF 4

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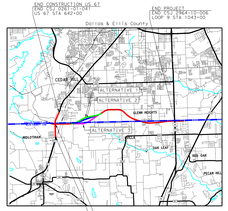

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Name P.E. NUMBER
MICHAEL D. LEMONSKI, P.E. 113849
Name P.E. NUMBER
7/1/2019
DATE

HORIZONTAL SCALE 0 200 400
VERTICAL SCALE 0 10 20

ROLL 2 OF 4

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COUNTY: DALLAS/ELLIS
DATE: JULY 2019
DESIGN SCHEMATIC - LOOP 9 DALLAS/ELLIS COUNTY
ROLL 2 OF 4

℄ LPWMD_L_5
VARIES
400' TO 618'
VARIES 200' TO 309'
℄ LPWFRB
VARIES
132' TO 229'
VARIES
132' TO 229'
℄ LPWFRB
VARIES
64' TO 80'
BUFFER
LOAD CURB
LANE
LANE
LANE
LANE
LOAD CURB
BUFFER
CLEAR ZONE
CLEAR ZONE
TRAFFIC BARRIER
TRAFFIC BARRIER
PAVEMENT MARKING
PAVEMENT MARKING
52'
22'
22'
52'
22'
22'
52'
22'
22'

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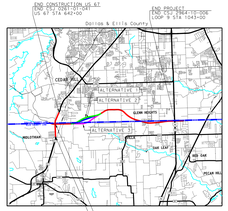
ALTERNATIVE 3



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NAME P.E. NUMBER
MICHAEL D. ZEMENSKI, P.E. 127848
NAME P.E. NUMBER
7/1/2019
DATE

HORIZONTAL SCALE 0 250 500
VERTICAL SCALE 0 5 10

ROLL 3 OF 4

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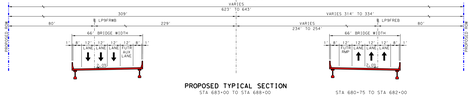
DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY

COUNTY: DALLAS/ELLIS
DATE: JULY 2019

ROLL 3 OF 4

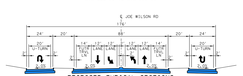
PROPOSED TYPICAL SECTION
STA 663+75 TO STA 680+00



PROPOSED TYPICAL SECTION
STA 680+75 TO STA 682+00

PROPOSED TYPICAL SECTION
STA 686+00 TO STA 688+00

PROPOSED TYPICAL SECTION
STA 688+00 TO STA 705+28



PROPOSED TYPICAL SECTIONS
JOE WILSON RD

01	BEAVER RANCHES LTD
02	BRUNER DAVID & ELLEN
03	BROWN REAL ESTATE VENTURES
04	CROUCH DON T ETAL
05	DALLAS COUNTY ETAL MICHAEL B
06	FAIR ANNE E
07	GALLIN PHILLIP B LESLIE
08	GRAY JAMES
09	HOLLAND DAVID & ANN
10	JENKINS DAVID W
11	KIM SU
12	LAMAR JOHN P JR & PATTILO A

PARCEL	OWNER
013	LOVE JOHN T JR & PATTILO A

PLAN LEGEND

- PROPOSED ℄
- 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 BENT
- 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 AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.
2. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PSNC 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, xxxx, xxxx.
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12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
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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 TYPE (SSTB) BARRIER (SSTB) UNLESS NOTED OTHERWISE.

ROLL INDEX

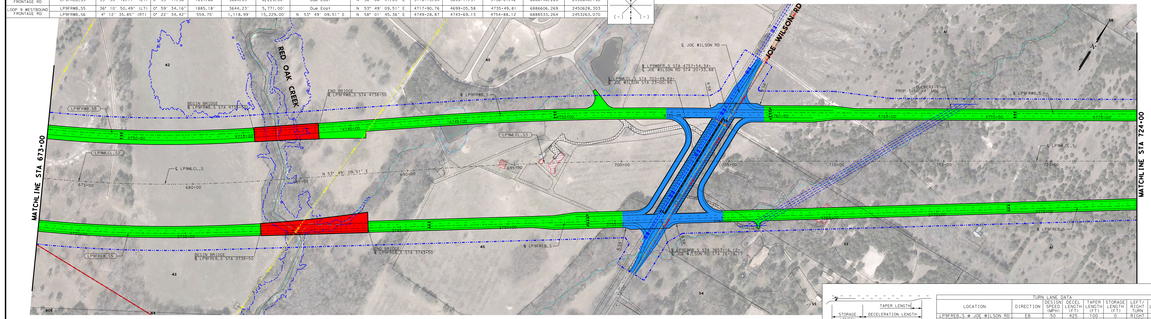
ROLL 1: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 4730+00 TO STA 4839+00

ROLL 2: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 4839+00 TO STA 4939+00

ROLL 3: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 4939+00 TO STA 5043+00

ROLL 4: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 1242+50 TO STA 1310+00

	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	P.C. STATION	P.T. STATION	P.I. NORTHING	P.I. EASTING
MAINLANES												
	LPBAC15,S	36° 12' 50.49" (LT)	2° 12' 16.11"	1859.38	3626.81	8,500.00	Due East	N 36° 49' 26.51" E	4411+41.54	4047+11.54	6891205.7	2450615.108
	LPBAC16,S	36° 12' 50.49" (RT)	2° 12' 16.11"	1859.38	3626.81	8,500.00	N 53° 49' 26.51" E	Due East	4411+41.54	4047+11.54	6891205.7	2450615.108
FRONTAGE ROADS												
LOOP 9 EASTBOUND FRONTAGE RD	LPBFREB,S	33° 53' 12.17" (LT)	0° 55' 11.36"	1897.66'	3664.05'	6,225.00'	Due East	N 56° 06' 47.83" E	3718+15.04	3689+17.37	3736+01.42	6886146.269
LOOP 9 WESTBOUND FRONTAGE RD	LPBFRWB,S	36° 10' 50.49" (LT)	0° 59' 34.16"	1885.18'	3644.23'	5,771.00'	Due East	N 53° 49' 26.51" E	4117+90.76	4089+05.58	4735+95.81	6886606.269
	LPBFRWB,S6	0° 13' 35.80" (RT)	0° 23' 34.47"	55.75	1,116.99	15,229.00'	N 53° 49' 26.51" E	N 53° 03' 50.71" E	4789+26.87	4744+46.13	4754+46.12	6886655.264


MATCH LINE STA 673+00
MATCH LINE STA 724+00
RED OAK CREEK
JOE WILSON RD
L JOE WILSON RD
℄ LPWMLG,S
℄ LPBFRWB
℄ LPBFREB
℄ LPBFRWB,S
℄ LPBFREB,S
℄ LPBFRWB,S6
PROP 15'x15' MBC
PROP 5'x15' MBC
PROP 5'x15' MBC
PROP 5

TEXAS DEPARTMENT OF TRANSPORTATION

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

DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

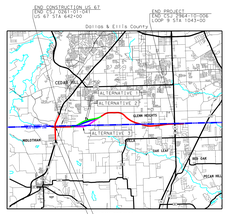
CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ # 0261-01-041: US 67 FROM NORTH OF SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

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
CROSS STREETS:	40 MPH
U-TURNS (URBAN COLLECTOR):	15 MPH

ALTERNATIVE 3



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 - NOT FOR CONSTRUCTION
FOR INTERNAL REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the supervision of:
HOSSEIN M. HOSSEINI, P.E. 119868
NAME P.E. NUMBER
MICHAEL D. LEWINSKI, P.E. 119868
NAME P.E. NUMBER
7/1/2019
DATE

HORIZONTAL SCALE: 0 25 50 100
VERTICAL SCALE: 0 5 10

ROLL 4 OF 4

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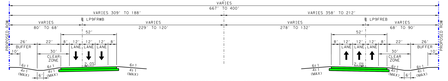
COUNTY: DALLAS/ELLIS
DATE: JULY 2019
DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY
ROLL 4 OF 4


℄ LPMKLS
VARIES
66' TO 400'
VARIES 309' TO 186'
VARIES 358' TO 212'
℄ LPMFWB
℄ LPMFWB
VARIES
VARIES
VARIES
VARIES
VARIES
VARIES
22'
22'
22'