TEXAS DEPARTMENT OF TRANSPORTATION

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

DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

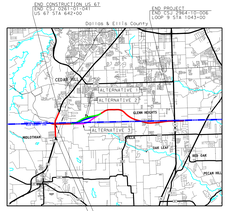
CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ # 0261-01-041: US 67 FROM NORTH OF
SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

MAINLANES (RURAL FREEWAY):	70 MPH
RAMPS AND TRANSITIONS (RURAL FREEWAY):	50 MPH
CROSS STREETS (URBAN COLLECTOR):	35 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 — P.E. NUMBER
MICHAEL D. TZOMPANIA, P.E. | 119868 — P.E. NUMBER
7/1/2019 — DATE

HORIZONTAL SCALE 0 25 50
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

Copyright 2019
© 2019 by Texas Department of Transportation;all rights reserved

DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY

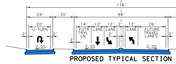
COUNTY: DALLAS/ELLIS
DATE: JULY 2019

ROLL 1 OF 4

TEXAS DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTION
STA 510+00 TO STA 576+75

PROPOSED TYPICAL SECTION
STA 576+75 TO STA 663+00



PROPOSED TYPICAL SECTION
TAR RD

PARCEL	OWNER
1	BETHMAN MARSHALL PROPERTIES
2	BUTLER WILLIAM D
3	BUTLER WILLIAM D
4	BUTLER WILLIAM D ET U &
5	CLAWSON ROBERT
6	WALKER MARK A
7	SANTOS PEDRO R
8	SANTOS PEDRO R
9	BUTLER WILLIAM D JR & PATTI K
10	CAMPBELL MICHAEL D &
11	CLAWSON ROBERT
12	FOGGARIA JUNNY DON &
13	DYKM MTNH
14	MCCOLLUM JAY ALAN
15	MURPH JAMIN M & BLANCHIN L
16	ZITAGIS STEPHANIE

PARCEL	OWNER
17	BEULCYOLIAN BROADCASTING LLC
18	BETHMAN MARSHALL PROPERTIES LTD
19	BUTLER WILLIAM D
20	BUTLER WILLIAM D
21	BUTTY ANGELA BRETTON &
22	BUTLER BERNARD WOODROW (L)
23	BUTLER BERNARD WOODROW (L)
24	BLUTTON HAROLD J
25	FEDERAL NATIONAL MORTGAGE ASSOCIATION
26	FEDERAL NATIONAL MORTGAGE ASSOCIATION
27	DUPONCEL DAVID & ADRIENNE
28	BUTLER BERNARD WOODROW (L)
29	BUTLER WILLIAM D JR & PATTI K
30	CAMPBELL MICHAEL D &
31	DYKM MTNH
32	MUSE JEFFERY
33	GUAJARDO ALFRED D & BERTHA G
34	GUAJARDO ANT JR & MARY JOLIE
35	GUAMAN JUNNY DON & DELORES ANN
36	GUAMAN JUNNY DON
37	GUAMAN JUNNY DON
41	MCBRYA LUCILLE
42	MCCOLLUM JONATHAN A & CHERIE
43	BUTLER STEPHANIE L
44	CHOLCO TIMOTHY L & BRIDGIT M

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 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 PDNA 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, 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 COORDINATION WITH THE LOCAL GOVERNMENT AND THE DESIGNER THAT IT 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 NECESSARY 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 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

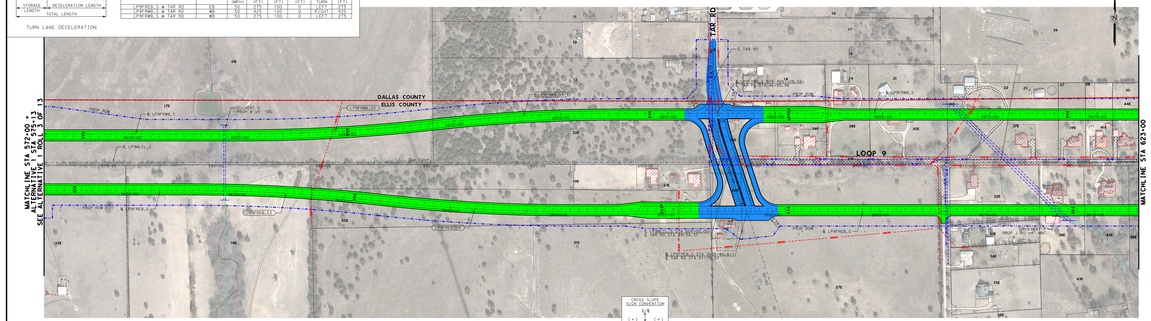
ROLL 2: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 823+00 TO STA 973+00

ROLL 3: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 973+00 TO STA 1043+00

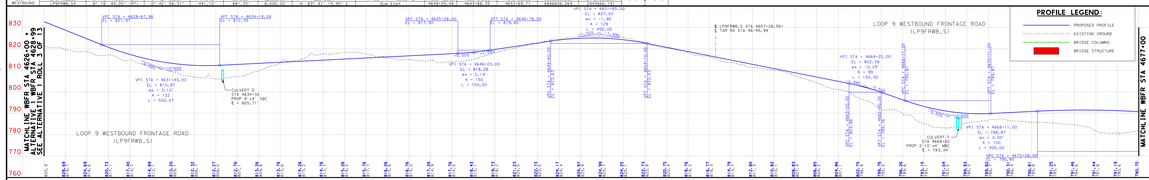
ROLL 4: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 724+50 TO STA 759+00

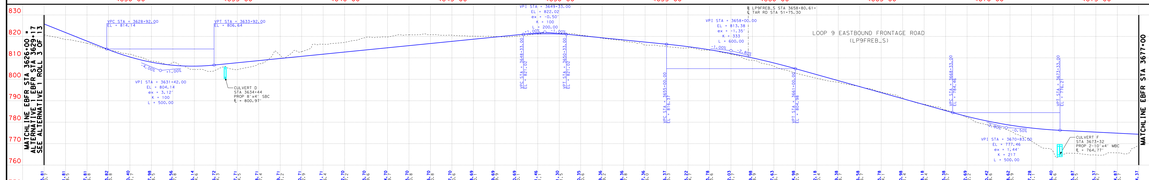
TURN LANE DECELERATION

LOCATION	DIRECTION	DESIGN SPEED (MPH)	TAPER LENGTH (FT)	STORAGE LENGTH (FT)	LEFT-T TURN LANE (FT)	TOTAL LENGTH (FT)
LP9FRWB & TAR RD	EB	50	215	100	0	315
LP9FRWB & TAR RD	WB	50	215	100	0	315
LP9FREB & TAR RD	EB	50	215	100	0	315
LP9FREB & TAR RD	WB	50	215	100	0	315



FRONTAGE ROADS	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BASE BEARING	AHEAD BEARING	PI STATION	PC STATION	PT STATION	PI NORTHING	PI EASTING
EASTBOUND	LP9FRWB-S3	0° 18' 49.00"	0° 34' 00.00"	553.71'	1107.42'	1686.00'	S 83° 41' 19.00" E	N 83° 22' 30.00" E	8631+26.54	8620+72.83	8641+79.25	6888542.068	2443576.733
EASTBOUND	LP9FRWB-S4	0° 18' 49.00"	0° 34' 00.00"	553.71'	1107.42'	1686.00'	N 83° 22' 30.00" E	S 83° 41' 19.00" E	8642+79.25	8631+26.54	8653+33.67	6888576.065	2445249.733
WESTBOUND	LP9FRWB-S3	0° 18' 49.00"	0° 34' 00.00"	553.71'	1107.42'	1686.00'	S 83° 41' 19.00" E	N 83° 22' 30.00" E	8631+26.54	8620+72.83	8641+79.25	6888542.068	2443576.733
WESTBOUND	LP9FRWB-S4	0° 18' 49.00"	0° 34' 00.00"	553.71'	1107.42'	1686.00'	N 83° 22' 30.00" E	S 83° 41' 19.00" E	8642+79.25	8631+26.54	8653+33.67	6888576.065	2445249.733





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): 35 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 — P.E. NUMBER
MICHAEL D. TZOMPANIA, P.E. | 119868 — P.E. NUMBER
7/1/2019 — DATE

HORIZONTAL SCALE 0 25 50
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

Copyright 2019
© 2019 by Texas Department of Transportation;all rights reserved

DESIGN SCHEMATIC - LOOP 9
DALLAS/ELLIS COUNTY

COUNTY: DALLAS/ELLIS
DATE: JULY 2019

ROLL 1 OF 4

TEXAS DEPARTMENT OF TRANSPORTATION

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

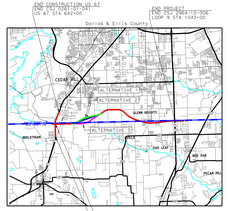
DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

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 - 35 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:
BGE, INC.
2906 DALLAS PARKWAY, SUITE 101
FRISCO, TEXAS 75034
FOR CONTROL 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. 113948
Name P.E. NUMBER
7/1/2019
DATE

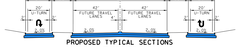
HORIZONTAL SCALE 0 250 500
VERTICAL SCALE 0 5 10

ROLL 2 OF 4

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

Copyright 2019
© 2019 by Texas Department of Transportation-all rights reserved

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



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 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 AND ON-SITE REVIEWS. ALL DIMENSIONS ARE APPROX.
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, xxxx, xxxx.
6. IMPORTANT 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 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. CURVES 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 NECESSARY 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 MAINLANE MEDIAN CONCRETE TRAFFIC BARRIERS SHALL BE SINGLE SLOPE TYPE 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 973+00

ROLL 3: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 973+00 TO STA 1043+00

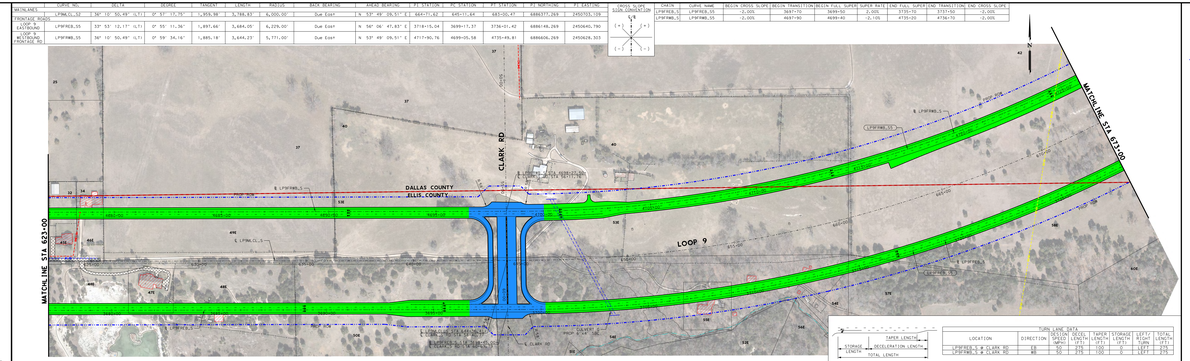
ROLL 4: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 1214+50 TO STA 1315+00

PARCEL	OWNER
1	PHAM NENH
2	PHAM NENH
3	ULLARD GARY
4	ULLARD GARY & TERESA
5	MCCOLE ALBERT LTD
6	ULLARD GARY
7	MCCOLE RANCHES, LTD

PARCEL	OWNER
8	ULLARD GARY
9	MCCOLE, JOHN & BARBARA
10	MCCOLE, JOHN & BARBARA
11	ULLARD GARY L & BRIDGET W
12	MCCOLE RANCHES, LTD
13	MCCOLE RANCHES, LTD
14	ULLARD GARY L & BRIDGET W
15	ULLARD GARY L
16	HUSSAIN SERMA BRUNNER N
17	POR SUZETTE LEE
18	POR SUZETTE LEE TRUST
19	POR PAUL
20	SOMMA MAL M
21	MCCOLE RANCHES TRUSTS SUZETTE L POR TRUSTEE
22	MCCOLE RANCHES, LTD
23	SMART JOHN P JR & PATRICIA A

METALINES	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	P.I. STATION	P.C. STATION	P.T. STATION	P.I. NORTHING	P.I. EASTING
FRONTAGE ROAD	LPWMLS_12	26° 10' 50.49" (L.T.)	0° 57' 17.75"	1,855.38	3,788.83	6,000.00'	Due East	N 53° 49' 09.51" E	68+77.92	68+77.92	3856+55.83	2450645.75	
FRONTAGE ROAD	LPWFRB_35	33° 53' 12.11" (L.T.)	0° 55' 11.36"	1,897.66'	3,684.05	6,229.00'	Due East	N 56° 06' 47.83" E	3718+15.04	3699+17.37	3736+01.42	6886+46.269	2450640.790
LOOP 9 EASTBOUND MAINLANES													
LOOP 9 WESTBOUND MAINLANES	LPWFRB_35	26° 10' 50.49" (L.T.)	0° 59' 34.16"	1,885.18'	3,644.23'	5,771.00'	Due East	N 53° 49' 09.51" E	4717+90.76	4699+05.58	4735+49.81	6886466.269	2450628.303

CURVE NO.	DATA CURVE NAME	BEGIN CROSS SLOPE	BEGIN TRANSITION	BEGIN FULL SUPER	END SUPER	END FULL SUPER	END TRANSITION	END CROSS SLOPE
LPWFRB_5	LPWFRB_5S	-2.00%	3687+70	3689+50	-2.00%	3735+70	3737+50	-2.00%
LPWFRB_5	LPWFRB_5S	-2.00%	4687+90	4689+40	-2.00%	4735+20	4736+70	-2.00%


MATCHLINE STA 823+00
MATCHLINE STA 973+00
CLARK RD
DALLAS COUNTY
ELLIS COUNTY
LOOP 9
℄ LPWFRB_5
℄ LPWMLS_5
℄ LPWFRB_5
℄ LPWMLS_5
℄ CLARK RD
℄ LPWFRB_5
℄ LPWMLS_5
℄ LPWFRB_5
℄ LPWMLS_5
℄ LPWFRB_5
℄ LPWMLS_5

TEXAS DEPARTMENT OF TRANSPORTATION

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

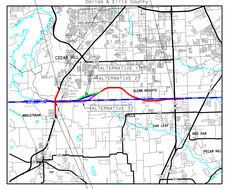
DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

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) - 35 MPH
CROSS STREETS (RURAL COLLECTOR) - 70 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:
BGE, INC.
2906 Dallas Parkway, Suite 101, Frisco, TX 75034
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 D. ZEMENSKI, P.E. 127886
Name P.E. NUMBER
7/1/2019
DATE

HORIZONTAL SCALE 0 250 500
VERTICAL SCALE 0 5 10

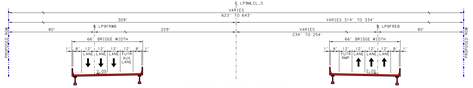
ROLL 3 OF 4

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

Copyright 2019
© 2019 by Texas Department of Transportation; all rights reserved

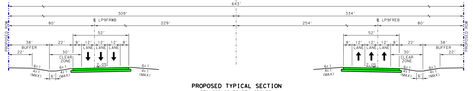
DESIGN SCHEMATIC - LOOP 9 DALLAS/ELLIS COUNTY
COUNTY: DALLAS/ELLIS
DATE: JULY 2019
ROLL 3 OF 4

PROPOSED TYPICAL SECTION
STA 663+00 TO STA 668+00



PROPOSED TYPICAL SECTION
STA 668+00 TO STA 680+00

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

PARCEL	OWNER
02	DENVER RANCHES LTD
03	BRUNER DAVID ELLIS
04	BROWN REAL ESTATE VENTURES
05	GROGAN DON T ETAL
06	BRUNER DAVID ELLIS & MICHAEL B
07	WEST ANNIE M
15	BALLEW PHILLIP B LESLIE
16	BALLEW PHILLIP
17	BRUNER DAVID ELLIS
20	ZINELL DAVID A
21	ZINL LLC

PARCEL	OWNER
602	BAKER JOHN P JR & PATRICIA 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 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 AND OTHER AVAILABLE DATA. FIELD VERIFY.
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. ORNAMENTAL 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 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 GRADE LIMITS.
10. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PARTIALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
11. CURVES 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 AT THE DISCRETION OF THE ENGINEER DURING THE PS&E 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 DRIVEWAYS CORNER RADII ARE 25 FT MINIMUM UNLESS NOTED OTHERWISE.
17. ALL MAINLANE MEDIAN CONCRETE TRAFFIC BARRIERS SHALL BE SINGLE SLOPE (SEE BARRIER TSSB) UNLESS NOTED OTHERWISE.

ROLL INDEX

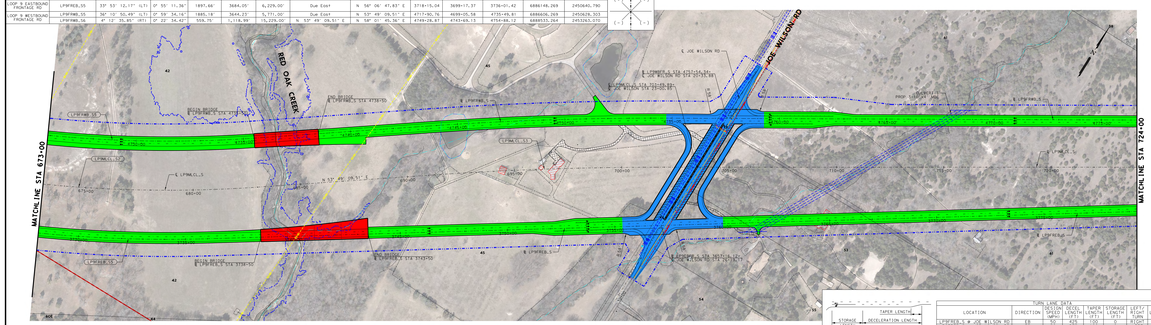
ROLL 1: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 631+00 TO STA 823+00

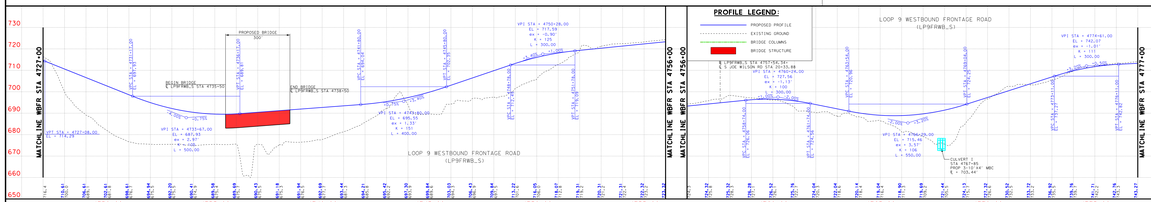
ROLL 2: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 823+00 TO STA 873+00

ROLL 3: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 873+00 TO STA 1000+00

ROLL 4: LOOP 9 MAINLANES (ALTERNATIVE 3)
STA 1000+00 TO STA 1114+00

	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	P.I. STATION	P.C. STATION	P.T. STATION	P.I. NORTHING	P.I. EASTING
MAINLANES													
	LPMW.CL-3	30° 12' 50.49" (LT)	0° 14' 19.1"	1859.38	3738.87	6,500.00	Due East	N 59° 49' 06.51" E	4417+90.76	4277+11.48	4657+50.35	6888577.269	2450563.109
	LPMW.CL-4	30° 12' 50.49" (RT)	0° 14' 19.1"	1859.38	3738.87	6,500.00	N 59° 49' 06.51" E	S 59° 49' 06.51" E	4417+90.76	4657+50.35	4277+11.48	6888577.269	2450563.109
FRONTAGE ROADS													
LOOP 9 EASTBOUND FRONTAGE RD	LPEFRWB,S5	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	3639+17.37	3736+01.42	6886148.269	2450640.790
LOOP 9 WESTBOUND FRONTAGE RD	LPEFRWB,S6	36° 10' 50.49" (LT)	0° 59' 34.16"	1885.18'	3644.23'	5,771.00'	Due East	N 53° 49' 06.51" E	4117+90.76	4039+05.58	4735+49.81	6888606.269	2450626.303
	LPEFRWB,S6	4° 12' 35.80" (RT)	0° 22' 34.47"	555.75	1,116.99'	15,229.00'	N 53° 49' 06.51" E	S 58° 01' 45.90" E	4749+66.37	4744+46.13	4755+46.12	6888655.264	2450265.230





TURN LANE DATA								
LOCATION	DIRECTION	TAPER LENGTH (FT)	STORAGE LENGTH (FT)	TAPER LENGTH (FT)	STORAGE WIDTH (FT)	LEFT SIDE WIDTH (FT)	TOTAL WIDTH (FT)
LPEFRWB,S ♦ JCW BLVD	EB	50	100	50	12	12	24
LPEFRWB,S ♦ JCW BLVD	EB	50	100	50	12	12	24
LPEFRWB,S ♦ JCW BLVD	WB	50	100	50	12	12	24
LPEFRWB,S ♦ JCW BLVD	WB	50	100	50	12	12	24

TURN LANE DECELERATION

	TAPER LENGTH
STORAGE LENGTH	DECELERATION LENGTH
	TOTAL LENGTH

TEXAS DEPARTMENT OF TRANSPORTATION

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

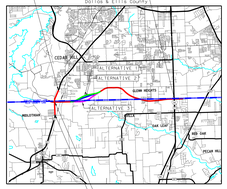
DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

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) - 35 MPH
CROSS STREETS (RURAL COLLECTOR) - 70 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:
BGE, INC.
2906 Dallas Parkway, Suite 101, Frisco, TX 75034
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 D. ZEMENSKI, P.E. 127886
Name P.E. NUMBER
7/1/2019
DATE

HORIZONTAL SCALE 0 250 500
VERTICAL SCALE 0 5 10

ROLL 3 OF 4

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

Copyright 2019
© 2019 by Texas Department of Transportation; all rights reserved

DESIGN SCHEMATIC - LOOP 9 DALLAS/ELLIS COUNTY
COUNTY: DALLAS/ELLIS
DATE: JULY 2019
ROLL 3 OF 4

TEXAS DEPARTMENT OF TRANSPORTATION

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

DESIGN SCHEMATIC
LOOP 9 & US67
DALLAS & ELLIS COUNTIES

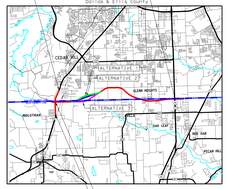
CSJ # 2964-10-006: LOOP 9 FROM US67 TO IH35E
Project Length = 9.3 Miles
CSJ # 0261-01-041: US 67 FROM NORTH OF
SHILOH RD TO SOUTH OF MT. LEBANON RD
Project Length = 1.9 Miles

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 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 D. LENOWSKI, P.E. 119868
NAME P.E. NUMBER
7/1/2019
DATE

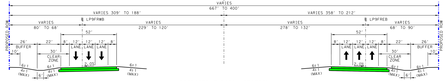
HORIZONTAL SCALE: 0 100 200
VERTICAL SCALE: 0 5 10

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

© 2019 by Texas Department of Transportation; all rights reserved.

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
229' TO 120'
VARIES
279' TO 130'
VARIES
279' TO 130'
VARIES
229' TO 120'
52'
52'
22'
22'
24'
24'
30'
30'
BUFFER
BUFFER
LOOP 9 WESTBOUND
LOOP 9 EASTBOUND
LOOP 9 WESTBOUND
LOOP 9 EASTBOUND
BUFFER
BUFFER
BUFFER