Texas Department of Transportation

PARIS DISTRICT

NOEL PARAMANANTHAM, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
WIDENING US 82
FANNIN AND LAMAR COUNTIES

FROM FANNIN/LAMAR COUNTY LINE TO LOOP 286
PROJECT LENGTH = 16.01 MILES
CSJ # 0045-08-039 & 0045-09-103

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

TERRAIN: ROLLING

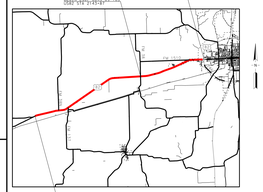
DIVIDED MULTILANE (RURAL ARTERIAL): BEGIN PROJECT-TO STA 2275+40 - 70 MPH
UNDIVIDED MULTILANE (SUBURBAN ARTERIAL): STA 2275+40 TO STA 2405+34 - 55 MPH
UNDIVIDED MULTILANE (URBAN ARTERIAL): STA 2405+34 TO END PROJECT - 55 MPH

CONNECTING ROADWAYS:
FM 38 (RURAL MAJOR COLLECTOR): - 50 MPH
FM137 (RURAL MAJOR COLLECTOR): - 50 MPH
FM78 (RURAL MAJOR COLLECTOR): - 60 MPH
FM 1505 (RURAL MAJOR COLLECTOR): - 50 MPH
CROSS STREET(ALL OTHER ON-LOCAL ROAD): - MEETS OR EXCEEDS

ADT (2020): = 17,200
ADT (2040): = 19,600
ADT (2050): = 17,800

END PROJECT
0045-09-103
CSJ 0045-08-039
STA 2405+34.00
N 33°34'13.8"
W 96°11'11.5"

END CUL 0045-08-039
STA 2275+40.00
N 33°34'13.8"
W 96°11'11.5"



100% DESIGN SCHEMATIC SUBMITTAL

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

SCHEMATIC PREPARED BY:
BGE, INC.
FOR TXDOT REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the supervision of:
Brian M.Hamilton 10/4/2024
NAME P.E. NUMBER
Jeremiah Smith 119259
NAME P.E. NUMBER
10/4/2024
DATE

HORIZONTAL SCALE
0 250 500
VERTICAL SCALE
0 25 50

BGE, Inc.
2506 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 www.bgeinc.com
TBPE Registration No. F-1046
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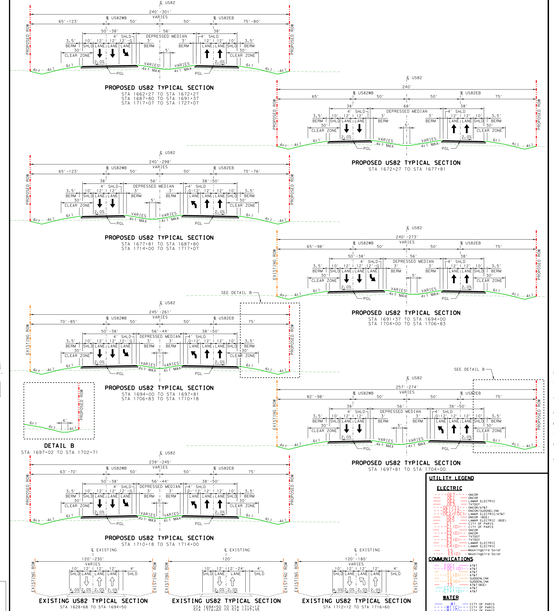
COUNTY: LAMAR
DATE: OCTOBER 2024

US82 RECONSTRUCTION

ROLL 2 OF 15

Texas Department of Transportation



PLAN LEGEND

- PROPOSED ℄
- PROPOSED ROW
- EXISTING ROW
- TEMPORARY CONSTRUCTION LIMITS
- PARCEL BOUNDARY
- EXISTING DRAINAGE EASEMENT
- PROPOSED DRAINAGE EASEMENT
- EXISTING UTILITY EASEMENT
- EXISTING ROW EASEMENT
- SAWCUT
- EXISTING DRAINAGE CULVERT
- PROPOSED DRAINAGE CULVERT/EXTENSION
- PROPOSED WALL STRUCTURE
- PROPOSED BRIDGE STRUCTURE
- PROPOSED MAINLINE PAVEMENT
- PROPOSED CROSS STREET PAVEMENT
- PROPOSED SHARED USE PATH
- 100-YEAR FLOODPLAIN
- JURISDICTIONAL STREAM (FIELD)
- JURISDICTIONAL STREAM (AERIAL)
- JURISDICTIONAL POND (FIELD)
- JURISDICTIONAL POND (AERIAL)
- JURISDICTIONAL WETLAND (FIELD)
- JURISDICTIONAL WETLAND (AERIAL)
- IMPACT STRUCTURE
- ROADWAY REMOVAL
- RIPRAP
- EXISTING FLASHING BEACON
- PROPOSED FLASHING BEACON
- PROPOSED DIRECTION OF TRAVEL
- PARCEL NUMBER
- HORIZONTAL CURVE ID

GENERAL NOTES:

1. SURVEY BASED ON AERIAL FLIGHT DATED 11/19/2019 AND SUPPLEMENTED BY RECORD PLANS.
2. SUPERELEVATION AXIS OF ROTATION IS ABOUT PROPOSED GRADE LINE.
3. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DUPLICT AND LAMAR COUNTY APPRAISAL DISTRICT RECORDS.
4. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF RAIL, BARRIER, OR WALL UNLESS NOTED OTHERWISE.
5. EXISTING CULVERT LOCATIONS, SIZE AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS.
6. SHARED USE PATHS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING PS&E.
7. PROPOSED RETAINING WALLS ARE DIAGRAMMATIC AND WILL BE DEVELOPED DURING PS&E.
8. EXISTING PAVEMENT/BRIDGES LOCATED WITHIN LIMITS OF PROPOSED CONSTRUCTION WILL BE REMOVED UNLESS NOTED OTHERWISE.
9. ENVIRONMENTAL FEATURES DELINEATED IN THE FIELD ARE BASED ON AERIAL IMAGERY. ENVIRONMENTAL ENTRY WAS NOT GRANTED AT THE TIME SURVEY FEATURES WERE AERIAL SURVEYED AND DENOTED WITH (AERIAL).
10. FOR JURISDICTIONAL DETAILED CLASSIFICATIONS, SEE ENVIRONMENTAL DOCUMENTS.
11. FOR JURISDICTIONAL FEATURES, SEE ENVIRONMENTAL DOCUMENT.
12. ALL DRIVEWAY CORNER RADII ARE 15 FT MINIMUM UNLESS NOTED OTHERWISE.
13. REFER TO ROLL 15 FOR CROSS STREET PROFILES.
14. TYPICAL SECTIONS ARE BASED ON THE USE@ CL ALIGNMENT.
15. PORTIONS OF PROJECT LIMITS FALLS WITHIN THE TxDOT BICYCLE TOURISM TRAILS EXAMPLE NETWORK

ROLL INDEX

ROLL 1: US82 MAINLANES: 1663+00 TO 1663+00
ROLL 2: US82 MAINLANES: 1663+00 TO 1723+00
ROLL 3: US82 MAINLANES: 1723+00 TO 1787+00
ROLL 4: US82 MAINLANES: 1787+00 TO 1847+00
ROLL 5: US82 MAINLANES: 1847+00 TO 1907+00
ROLL 6: US82 MAINLANES: 1907+00 TO 1967+00
ROLL 7: US82 MAINLANES: 1967+00 TO 2029+00
ROLL 8: US82 MAINLANES: 2029+00 TO 2089+00
ROLL 9: US82 MAINLANES: 2089+00 TO 2149+00
ROLL 10: US82 MAINLANES: 2149+00 TO 2209+00
ROLL 11: US82 MAINLANES: 2209+00 TO 2269+00
ROLL 12: US82 MAINLANES: 2269+00 TO 2329+00
ROLL 13: US82 MAINLANES: 2329+00 TO 2389+00
ROLL 14: US82 MAINLANES: 2389+00 TO PROJECT END
ROLL 15: CROSS STREET PROFILES

UTILITY LEGEND

ELECTRIC
- ONCOR
- LAMAR ELECTRIC
- LAMAR ELECTRIC (NEW)
- LAMAR ELECTRIC (UNDERGROUND)
- LAMAR ELECTRIC (NEW UNDERGROUND)
- ONCOR (NEW)
- ONCOR (UNDERGROUND)
- ONCOR (NEW UNDERGROUND)

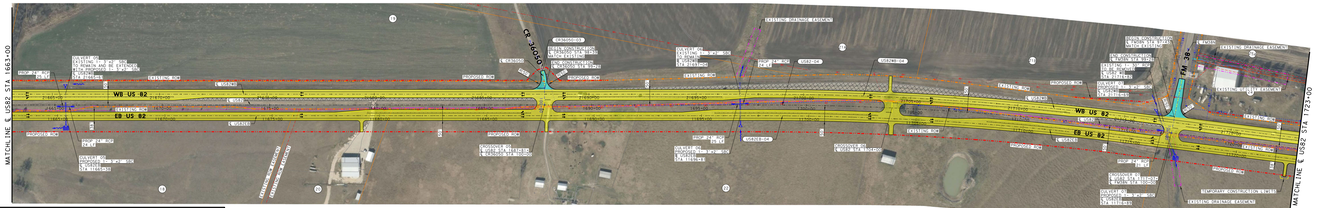
COMMUNICATIONS
- AT&T
- AT&T (NEW)
- AT&T (UNDERGROUND)
- AT&T (NEW UNDERGROUND)
- CENTURYLINK
- CENTURYLINK (NEW)
- CENTURYLINK (UNDERGROUND)
- CENTURYLINK (NEW UNDERGROUND)
- ATMOS ENERGY
- ATMOS ENERGY (NEW)
- ATMOS ENERGY (UNDERGROUND)
- ATMOS ENERGY (NEW UNDERGROUND)

WATER
- CITY OF PARIS
- CITY OF PARIS (NEW)
- CITY OF PARIS (UNDERGROUND)
- CITY OF PARIS (NEW UNDERGROUND)
- LAMAR COUNTY WATER SUPPLY DISTRICT
- LAMAR COUNTY WATER SUPPLY DISTRICT (NEW)
- LAMAR COUNTY WATER SUPPLY DISTRICT (UNDERGROUND)
- LAMAR COUNTY WATER SUPPLY DISTRICT (NEW UNDERGROUND)

WASTEWATER
- CITY OF PARIS
- CITY OF PARIS (NEW)
- CITY OF PARIS (UNDERGROUND)
- CITY OF PARIS (NEW UNDERGROUND)

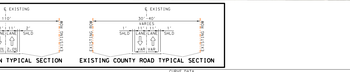
GAS
- ATMOS
- ATMOS (NEW)
- ATMOS (UNDERGROUND)
- ATMOS (NEW UNDERGROUND)
- TEXAS GAS SERVICE (NEW)
- TEXAS GAS SERVICE (UNDERGROUND)
- TEXAS GAS SERVICE (NEW UNDERGROUND)
- TEXAS GAS SERVICE (UNDERGROUND SERVICE)
- TEXAS GAS SERVICE (NEW UNDERGROUND SERVICE)

PARCEL ID	PARCEL NO.	OWNER	PARCEL ADDRESS
0045	15	FANNIN COUNTY	2110 NORTH MAIN STREET
0045	16	FANNIN COUNTY	2110 NORTH MAIN STREET
0045	17	LAIRD BRIAN & LAIRD MERIDITH	2000 NORTH MAIN STREET
0045	18	BILLY JAMES & PATRICIA	1910 NORTH MAIN STREET
0045	21	LAIRD BRIAN & LAIRD MERIDITH	1900 NORTH MAIN STREET
0045	22	LAIRD BRIAN & LAIRD MERIDITH	1900 NORTH MAIN STREET
0045	23	DM SOUTH CHAMPIONS LLC	1850 NORTH MAIN STREET
0045	24	LAIRD BRIAN	1800 NORTH MAIN STREET
0045	25A	LAIRD BRIAN & LAIRD MERIDITH	2001 N MONROEVILLE DR, DELTA TX 75426



STORAGE	DECELERATION LENGTH	TOTAL LENGTH

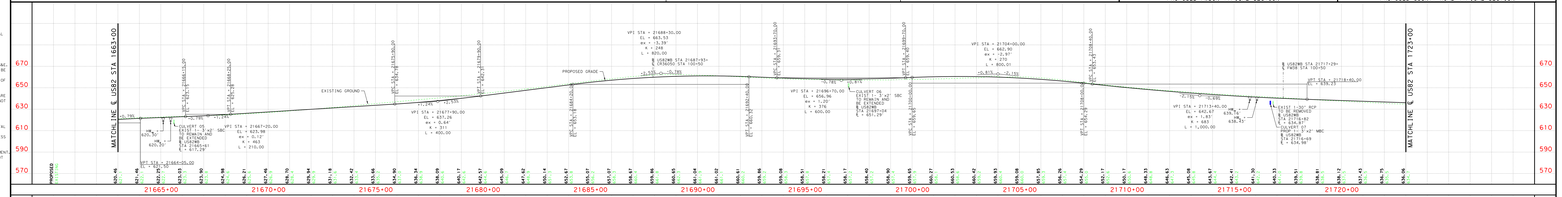
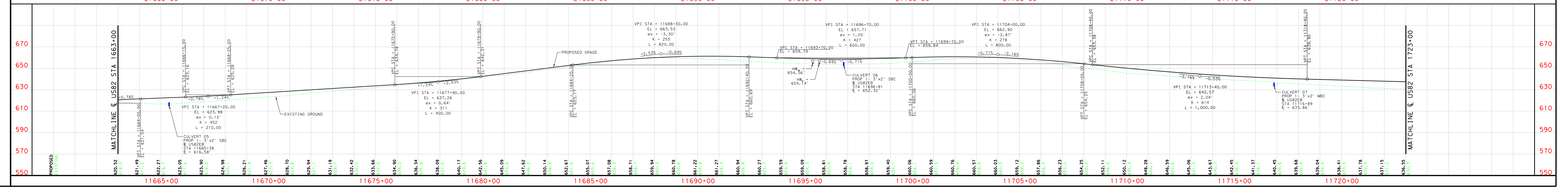
LOCATION	DIRECTION	TOD	SPEED	TAPER LENGTH	DECELERATION LENGTH	STORAGE	LEFT SHOULDER	TOTAL LENGTH
INTERSECTION @ STA 1683+33	EB	30	55	150	615	00	12'±	915
INTERSECTION @ STA 1683+33	WB	30	55	150	615	00	12'±	915
INTERSECTION @ STA 1704+00	EB	30	55	150	615	00	12'±	915
INTERSECTION @ STA 1704+00	WB	30	55	150	615	00	12'±	915
INTERSECTION @ STA 1710+18	EB	30	55	150	615	00	12'±	915
INTERSECTION @ STA 1710+18	WB	30	55	150	615	00	12'±	915



CROSS SLOPE
BEGIN CONDITION
(+) (-) (+) (-)

SUPERELEVATION USE@									
ALIGNMENT	CURVE NO.	BEGIN CROSS SLOPE	BEGIN TRANSITION	BEGIN CURVE	CURVE DATA	END CURVE	END TRANSITION	END CROSS SLOPE
US82EB	1	-2.0%	1171+00	1171+50	-0.5%	1171+80	1172+30	-2.0%
US82EB	2	-2.0%	1173+00	1173+50	-0.5%	1173+80	1174+30	-2.0%

FOR BASELINES THE INSIDE EDGE OF TRAVEL IS USED FOR THE SIGN CONVENTION

ALIGNMENT	CURVE NO.	BEGIN	END	DIRECTION	DELTA	DEGREE	RADIUS	TANGENT	LENGTH	PI STATION	PI NORTHING	PI EASTING
MAINLINE	1	1663+00	1673+27	RIGHT	0°00'00"	0°00'00"	0	0.00	1027.27	1663+00	33°34'13.8"	96°11'11.5"
MAINLINE	2	1673+27	1677+27	RIGHT	0°00'00"	0°00'00"	0	0.00	400.00	1675+27	33°34'13.8"	96°11'11.5"
MAINLINE	3	1677+27	1683+33	RIGHT	0°00'00"	0°00'00"	0	0.00	606.33	1680+30	33°34'13.8"	96°11'11.5"
MAINLINE	4	1683+33	1691+37	RIGHT	0°00'00"	0°00'00"	0	0.00	804.04	1687+35	33°34'13.8"	96°11'11.5"
MAINLINE	5	1691+37	1694+00	RIGHT	0°00'00"	0°00'00"	0	0.00	263.00	1692+68	33°34'13.8"	96°11'11.5"
MAINLINE	6	1694+00	1703+34	RIGHT	0°00'00"	0°00'00"	0	0.00	934.33	1698+67	33°34'13.8"	96°11'11.5"
MAINLINE	7	1703+34	1706+83	RIGHT	0°00'00"	0°00'00"	0	0.00	349.00	1705+08	33°34'13.8"	96°11'11.5"
MAINLINE	8	1706+83	1710+18	RIGHT	0°00'00"	0°00'00"	0	0.00	335.00	1708+51	33°34'13.8"	96°11'11.5"
MAINLINE	9	1710+18	1777+07	RIGHT	0°00'00"	0°00'00"	0	0.00	6688.93	1743+77	33°34'13.8"	96°11'11.5"

PRELIMINARY - SUBJECT TO CHANGE