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

COUNTY: LAMAR
DATE: OCTOBER 2024

US82 RECONSTRUCTION

ROLL 13 OF 15

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+40 - 55 MPH
UNDIVIDED MULTILANE (URBAN ARTERIAL): STA 2405+30 TO END PROJECT - 55 MPH

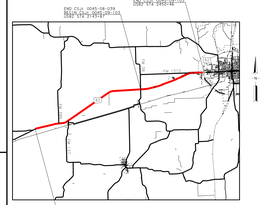
CONNECTING ROADWAYS:
FM 38 (RURAL MAJOR COLLECTOR): 50 MPH
FM131 (RURAL MAJOR COLLECTOR): 50 MPH
FM38 (RURAL MAJOR COLLECTOR): 60 MPH
FM1510 (RURAL MAJOR COLLECTOR): 50 MPH
CROSS STREET(ALL OTHER ON-LOCAL ROAD): MEETS OR EXCEEDS

ADT (2020): = 11,200
ADT (2040): = 15,600
ADT (2050): = 17,800

END PROJECT
0045-09-103
STA 2961+00

END CSJ: 0045-08-039
STA 2275+40 = STA 2405+30
0045-09-103 = 0045-08-039

BEGIN PROJECT
0045-08-039
STA 2275+40



100% DESIGN SCHEMATIC SUBMITTAL

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

SCHEMATIC PREPARED BY
FOR SYSTEM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the supervision of the undersigned.

BRIAN BLANKENSHIP (24)
NAME P.E. NUMBER
DAMMON BLUM
COMPANY NAME
10/4/2024
DATE

HORIZONTAL SCALE
0 250 500
VERTICAL SCALE
0 25 50

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2595 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 ◆ www.bgeinc.com
TBPE Registration No. F-1046
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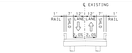
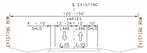
EXISTING US82 TYPICAL SECTION
STA 2320+26 TO STA 2351+45

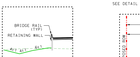

EXISTING US82 TYPICAL SECTION
STA 2351+46 TO STA 2353+54


EXISTING US82 TYPICAL SECTION
STA 2353+55 TO STA 2362+33

EXISTING US82 TYPICAL SECTION
STA 2362+33 TO STA 2365+46

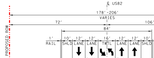
EXISTING US82 TYPICAL SECTION
STA 2365+46 TO STA 2369+54
STA 2369+54 = STA 2367+59 = STA 2367+59

EXISTING US82 TYPICAL SECTION
STA 2369+54 TO STA 2389+49


DETAIL A
STA 2369+63 TO STA 2351+70

PROPOSED US82 TYPICAL SECTION
STA 2369+60 TO STA 2351+52
STA 2356+11 TO STA 2351+58

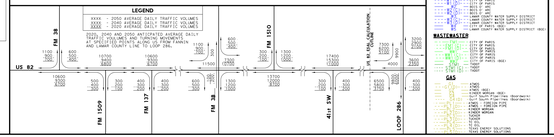
DETAIL B
STA 2348+28 TO STA 2351+27


PROPOSED US82 TYPICAL SECTION
STA 2351+32 TO STA 2355+16

PROPOSED US82 TYPICAL SECTION
STA 2355+16 TO STA 2356+11

PROPOSED US82 TYPICAL SECTION
STA 2356+09 TO STA 2361+49

LEGEND
XXXX - 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX - 2040 AVERAGE DAILY TRAFFIC VOLUMES
XXXX - 2020 AVERAGE DAILY TRAFFIC VOLUMES
2020, 2040 AND 2050 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES ARE BASED ON ESTIMATES AT APPROXIMATELY MIDPOINT BETWEEN FM 38 FANNIN AND LAMAR COUNTY LINE TO LOOP 286.



PLAN LEGEND
PROPOSED ℄
PROPOSED ROW
EXISTING ROW
TEMPORARY CONSTRUCTION LIMITS
PARCEL BOUNDARY
EXISTING DRAINAGE EASEMENT
PROPOSED DRAINAGE EASEMENT
EXISTING UTILITY EASEMENT
EXISTING ROW EASEMENT
SAMUD
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 THE EXISTING ROW LINE.
3. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM SURVEY AND LAMAR COUNTY APPRAISAL ROLL DATED 2024.
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. ALL DRIVEWAYS AND ROADWAYS ADJACENT NOT SHOWN 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 PHOTOS. ALL FEATURES CENTER WAS NOT GRANTED AT TIME OF 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 SAME EL ALIGNMENT.
15. PORTIONS OF PROJECT LIMITS FALLS WITHIN THE TADOT BICYCLE TOURISM TRAILS EMAPLE NETWORK.

ROLL INDEX

ROLL 1: US82 MAINLINE/ 2275+00 TO 1663+00
ROLL 2: US82 MAINLINE/ 1663+00 TO 1123+00
ROLL 3: US82 MAINLINE/ 1123+00 TO 1787+00
ROLL 4: US82 MAINLINE/ 1787+00 TO 1847+00
ROLL 5: US82 MAINLINE/ 1847+00 TO 1967+00
ROLL 6: US82 MAINLINE/ 1967+00 TO 2029+00
ROLL 7: US82 MAINLINE/ 2029+00 TO 2149+00
ROLL 8: US82 MAINLINE/ 2149+00 TO 2209+00
ROLL 9: US82 MAINLINE/ 2209+00 TO 2329+00
ROLL 10: US82 MAINLINE/ 2329+00 TO 2389+00
ROLL 11: US82 MAINLINE/ 2389+00 TO 2449+00
ROLL 12: US82 MAINLINE/ 2449+00 TO 2509+00
ROLL 13: US82 MAINLINE/ 2509+00 TO 2569+00
ROLL 14: US82 MAINLINE/ 2569+00 TO PROJECT END
ROLL 15: CROSS STREET PROFILES

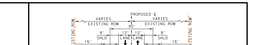
UTILITY LEGEND
ELECTRIC
COMMUNICATIONS
WATER
WASTEWATER
GAS

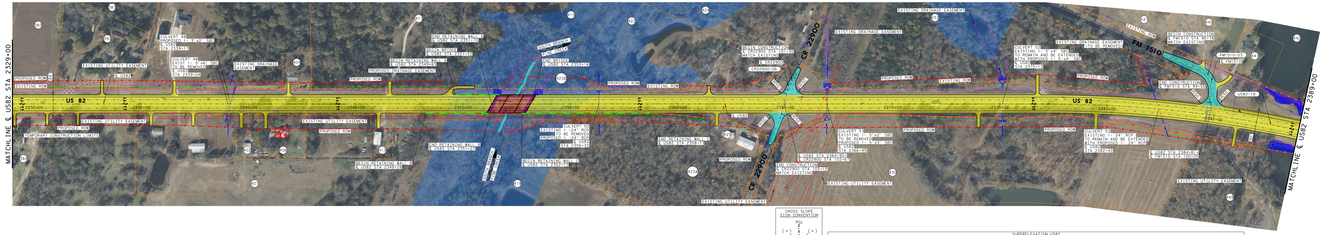
PARCEL ESTIMATE NO.	OWNER	ZONE
0045-08-039	HAMMS, LIVING TRUST DELTA & JUSTINA	TOCE DRIVE FM 1510 BONHAM, TX 75020
0045-08-040	BOSTON, JAMES	1004 MONTANA AVE BONHAM, TX 75020
0045-08-041	BOSTON, DELTA & JUSTINA	6800 LOOP 286 E BONHAM, TX 75020
0045-08-042	BAGGONIE SEAFOOD, DELTA & JUSTINA	6800 LOOP 286 E BONHAM, TX 75020
0045-08-043	BOSTON, DELTA & JUSTINA TRUST CHARLES B	1004 MONTANA AVE BONHAM, TX 75020
0045-08-044	BOSTON, DELTA & JUSTINA	1004 MONTANA AVE BONHAM, TX 75020
0045-08-045	KITZ, LLC	6172 LOOP 286 E BONHAM, TX 75020
0045-08-046	EATON, DALE & CHRISTY	1000 MONTANA AVE BONHAM, TX 75020
0045-08-047	EATON, DALE & CHRISTY	1000 MONTANA AVE BONHAM, TX 75020
0045-08-048	NORTHAM, CHARLES	6100 LOOP 286 E BONHAM, TX 75020
0045-08-049	EATON, DALE & CHRISTY	6000 LOOP 286 E BONHAM, TX 75020

PARCEL ESTIMATE NO.	OWNER	ZONE ADDRESS
0045-09-101	COLLETTE, WILLIAM &	1002 MONTANA AVE BONHAM, TX 75020
0045-09-102	BEST, MARGARET	1000 MONTANA AVE BONHAM, TX 75020
0045-09-103	HOOPER LIMITED PARTNERSHIP OF THE	4600 LOOP 286 E TRAIL MC 14B, TX 75020
0045-09-104	HOOPER LIMITED PARTNERSHIP OF THE	4600 LOOP 286 E TRAIL MC 14B, TX 75020
0045-09-105	HOOPER LIMITED PARTNERSHIP OF THE	4600 LOOP 286 E TRAIL MC 14B, TX 75020
0045-09-106	HOOPER LIMITED PARTNERSHIP OF THE	4600 LOOP 286 E TRAIL MC 14B, TX 75020
0045-09-107	HOOPER LIMITED PARTNERSHIP OF THE	4600 LOOP 286 E TRAIL MC 14B, TX 75020
0045-09-108	HOOPER LIMITED PARTNERSHIP OF THE	4600 LOOP 286 E TRAIL MC 14B, TX 75020
0045-09-109	SPIRITS, LLC	6100 BONHAM, TX 75020
0045-09-110	SPIRITS, LLC	6100 BONHAM, TX 75020

EXISTING COUNTY ROAD TYPICAL SECTION

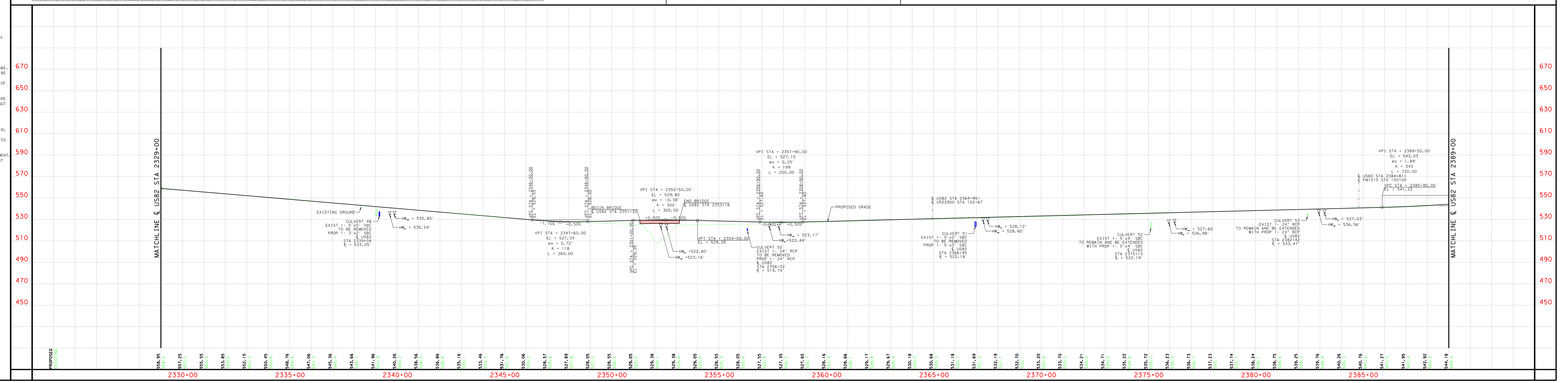
PROPOSED COUNTY ROAD TYPICAL SECTION


PROPOSED FM1510 TYPICAL SECTION



CROSS SLOPE SIGN CONVENTION

ALIGNMENT	CURVE NO.	BEGIN CROSS SLOPE	BEGIN TRANSITION	BEGIN FULL SUPER	END FULL SUPER	END TRANSITION	END CROSS SLOPE
US82	1(RE-1)	-2.0%	2275+40	2275+90	2280+00	2280+50	-2.0%
US82	2(RE-2)	-2.0%	2377+00	2377+50	2384+00	2384+50	-2.0%

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

PRELIMINARY - SUBJECT TO CHANGE