Texas Department of Transportation

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BEAUMONT DISTRICT

MARTIN GONZALEZ, P.E.
BEAUMONT DISTRICT ENGINEER

US 90
GEOMETRIC SCHEMATIC
100% SUBMITTAL

FROM: SH 61
TO: FM 563

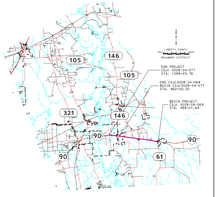
CSJ: 0028-04-069
CSJ: 0028-04-077

LIBERTY COUNTY
PROJECT LENGTH: 11.39 MILES
TERRAIN: LEVEL

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED	AADT
US90 (GRAND)	RESIDENTIAL-COLLECTOR	30 MPH	8
US90	RURAL-PRINCIPAL ARTERIAL	70 MPH	8
FM563	RURAL-MAJOR COLLECTOR	55 MPH	8
FM563	RURAL-MAJOR COLLECTOR	55 MPH	8
FM563	RURAL-MAJOR COLLECTOR	55 MPH	8
FM563	RURAL-MAJOR COLLECTOR	55 MPH	8

HORIZONTALLY BY STOP CONDITION

SECTION	EXISTING AADT (2019)	AADT (LAST YEAR 2045)	AADT (DESIGN YEAR 2047)
US90 FROM FM563 TO EAST OF FM563	17,572	25,200	27,100



Scale: Horizontal 1"=100'
Vertical 1"=10'

SEPTEMBER 2024

PE CERTIFICATION
SUBMITTED FOR CONSTRUCTION
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

DAVID A. SUTTON — 120142
NAME — P.E. NUMBER
9/19/2024
DATE

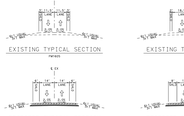
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES

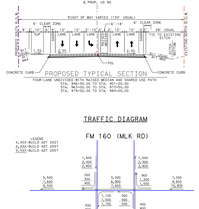
ROLL 11 OF 14

HDR
HDR Firm Registration No. F-754
17111 Preston Royal, Suite 300
Dallas, Texas 75248-1232
972.960.4400

GENERAL NOTES

1. EXISTING FEATURES WERE SURVEYED BETWEEN DECEMBER 2019 AND APRIL 2020.
2. TRAFFIC VOLUMES WERE PROVIDED BY TXDOT.
3. ADA RAMPS AND SIDEWALK ARE DESIGNED TO TDLR TECHNICAL STANDARDS. LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. ADA RAMPS WILL BE REDESIGNED DURING PDSE DEVELOPMENT.
4. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE BUILDING PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
5. BUILDINGS ARE SHOWN AS PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PDSE DEVELOPMENT.
6. SUPER ELEVATION AXIS OF ROTATION IS EDGE OF PAVEMENT, AS SHOWN IN THE TYPICAL SECTIONS.
7. DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED (SIDEWALKS NOTED SYMMETRICAL).
8. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE DERIVED FROM FEMA FLOOD INSURANCE RATE MAPS.
9. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) WILL BE PLACED AS PART OF DEVELOPED DURING THE FINAL PHASE OF DESIGN.
10. GRADEPOINT INFORMATION SHOWN ON PROFILE SHEETS IS BASED ON DISTRICT DRAFT APPROACH, DISTRICT, SEPTEMBER 2018.
11. ALL DRIVEWAYS, INTERSECTIONS AND STOP CONTROLLED UNLESS OTHERWISE NOTED.
12. UTILITY CALLOUTS WITH * ON PROPOSED STATIONS ARE BASED ON EXISTING STATIONS BASED ON EXISTING SURVEY.



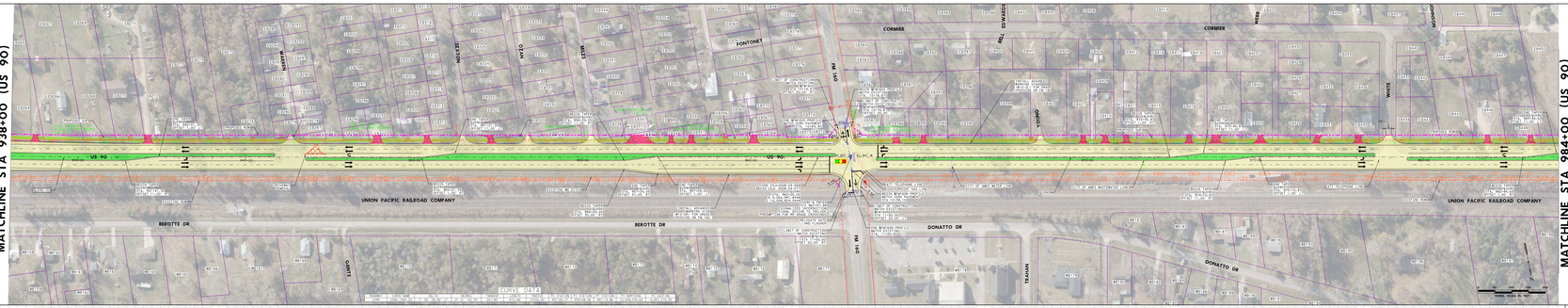


SUPERELEVATION DATA

GRADE SLOPE	STATION LT	STATION RT	GRADE SLOPE
-1.0%	960+00.00	960+00.00	-1.0%
-1.0%	962+00.00	962+00.00	-1.0%
-1.0%	963+00.00	963+00.00	-1.0%
-1.0%	964+00.00	964+00.00	-1.0%
-1.0%	965+00.00	965+00.00	-1.0%
-1.0%	966+00.00	966+00.00	-1.0%
-1.0%	967+00.00	967+00.00	-1.0%
-1.0%	968+00.00	968+00.00	-1.0%

LEGEND

EXISTING RIGHT-OF-WAY
PROPOSED RIGHT-OF-WAY
PROPOSED DRAINAGE EASEMENT
PROPOSED SAMCUT LINE
PROPERTY LINES
PROPOSED CHANNEL BANKS
PROPOSED CULVERT EXTENSIONS
PROPOSED APPROACH SLAB
PROPOSED SUBBASE
PROPOSED CURVED SECTIONS
PROPOSED BRIDGE BENTS
EXISTING CUL-VERTS
TRAFFIC/WATER FLOW DIRECTION
EXISTING DITCH
PROPOSED SHARED USE PATH
PROPOSED CONCRETE PAVEMENT
PROPOSED SUBGRADE
PROPOSED BRIDGES
PROPOSED DRIVEWAY
PROPOSED DRAINAGE EASEMENT
PROPOSED RAISED MEDIAN
PAVEMENT REMOVAL
POTENTIAL DISPLACEMENT
FEMA FLOODWAY
FEMA 100-YR FLOODPLAIN
EXISTING/PROPOSED SIGNAL

SUPERELEVATION DETAILS

MATCHLINE STA 938+00 (US 90)