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	AREA
US90 (GRAL)	RURAL PRINCIPAL ARTERIAL	70	RURAL
FM563	RURAL MAJOR COLLECTOR	60	RURAL
FM1663	RURAL MAJOR COLLECTOR	60	RURAL
FM2830	RURAL MAJOR COLLECTOR	60	RURAL
FM2828	RURAL MAJOR COLLECTOR	60	RURAL
FM2828	RURAL MAJOR COLLECTOR	60	RURAL

HIGHTOLLED BY STOP CONDITION

SECTION	EXISTING ADT (2019)	ADT (1ST YEAR 2027)	ADT (DESIGN YEAR 2047)
US90 FROM PARIGO TO EAST OF FM563	17,572	20,200	27,100

TRAFFIC DIAGRAM

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

SEPTEMBER 2024

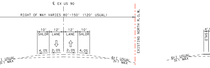
PRELIMINARY
FOR INTERAGENCY REVIEWS
SUBMITTED PRELIMINARY BY OR UNDER THE DIRECT SUPERVISION OF:
EXPIRES 31 SUTTON 12/31/42
NAME P.E. NUMBER
9/19/2024 DATE
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES

ROLL 8 OF 14

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

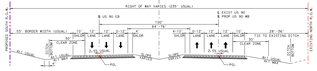
GENERAL NOTES

1. EXISTING FEATURES WERE SURVEYED BETWEEN DECEMBER 2019 AND APRIL 2020.
2. TRAFFIC VOLUMES WERE PROVIDED BY TXDOT ON 08/01/2024.
3. ADA RAMPS AND SIDEWALK ARE DESIGNED TO TXDOT ADA DESIGN STANDARDS. LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. ADA RAMPS WILL BE DETERMINED DURING FINAL DEVELOPMENT.
4. BUILDINGS ARE SHOWN AS POTENTIAL DEMOLITIONS IF THE PROPOSED GEOMETRIC PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE. BUILDINGS ARE PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING FINAL DESIGN.
5. SUPER ELEVATION AXIS OF ROTATION IS EQUAL TO THE LANE IN SHOWN IN THE TYPICAL SECTIONS.
6. DIMENSIONS ARE TO THE EDGE OF PAVEMENT, EXCEPTIONS ARE TO CURB/CURBED NOTED OTHERWISE.
7. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE DERIVED FROM FEMA FLOOD INSURANCE RATE MAPS.
8. CONVENTIONAL ROADWAY SIGNAGE SMALL SIGNS, LARGE SIGNS, AND SIGNAL POLES DEVELOPED DURING THE FINAL PHASE OF DESIGN.
10. ORHOPHOTO INFORMATION SHOWN ON PLANS WAS PROVIDED BY LIBERTY COUNTY (APPRAISAL DISTRICT, SEPTEMBER 2014).
11. ADDITIONAL ROW ACQUISITIONS ARE STOP CONTROLLED BUSINESS ENTRANCES.
12. UTILITY CALLOUTS WITH * ON PROPOSED STATIONS ARE BASED ON EXISTING STATIONS BASED ON EXISTING SURVEY.

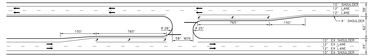


EXISTING TYPICAL SECTION
MAINLANE DIRECTION
STA. 847+00.00 TO STA. 849+00.00

EXISTING & PROPOSED TYPICAL SECTION
PHASE1



PROPOSED TYPICAL SECTION
FOUR-LANE DIVIDED WITH 46' FULL ASPHALT RECONSTRUCTION
STA. 847+00.00 TO STA. 849+00.00



TYPICAL CROSSOVER WITH LEFT TURN LANES (70 MPH)

TRAFFIC DIAGRAM

LEGEND
X,XXX-BUILT ADT 2027
X,XXX-DESIGN ADT 2047
X,XXX-BUILT ADT 2047
X,700
X,XXX
X,XXX
X,500
X,XXX
X,XXX
X,500
X,XXX
X,XXX
X,500
X,XXX
X,XXX
X,700
X,XXX
X,XXX
X,700
X,XXX
X,XXX
X,700