Texas Department of Transportation

© 2024 by Texas Department of Transportation, all rights reserved

BEAUMONT DISTRICT

MARTIN GONZALEZ, P.E.
BEAUMONT DISTRICT ENGINEER

US 90 GEOMETRIC SCHEMATIC 100% SUBMITTAL

FROM SH 61
TO: FM 563

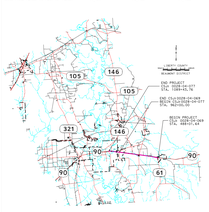
CSJ: 0028-04-069
CSJ: 0028-04-077

LIBERTY COUNTY
PROJECT LENGTH: 11.39 MILES
TERRAIN: LEVEL

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED	AADT
US90 (GRAL)	RURAL PRINCIPAL ARTERIAL	70	35000
US90EB	RURAL PRINCIPAL ARTERIAL	70	17500
US90WB	RURAL PRINCIPAL ARTERIAL	70	17500
CR197	MAJOR COLLECTOR	50	2000
CR1901	MAJOR COLLECTOR	50	2000

HIGHTOLLED BY STOP CONDITION

SECTION	EXISTING AADT (2019)	AADT (1ST YEAR 2021)	AADT (DESIGN YEAR 2041)
US90 FROM PARKER TO EAST OF PARKER	17,572	20,200	27,100



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

SEPTEMBER 2024

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:
DATE: 9_SUTTON	LICENSE NO.
NAME	P.E. NUMBER
9/19/2024 DATE	

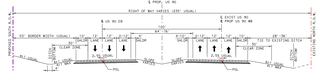
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES

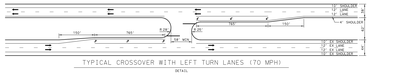
ROLL 3 OF 14

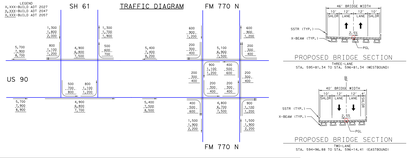
HDR
HDR Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.960.4400

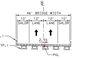
GENERAL NOTES

1. EXISTING FEATURES WERE SURVEYED BETWEEN DECEMBER 2019 AND APRIL 2020.
2. TRAFFIC VOLUMES WERE PROVIDED BY TXDOT ON 09/09/2021.
3. ADA RAMPS AND SIDEWALK ARE DESIGNED TO TXDOT PEDESTRIAN STANDARDS. LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. ADA RAMPS WILL BE REDESIGNED DURING FINAL DEVELOPMENT.
4. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE BUILDING WAS PHYSICALLY INTERSECTED THE EXISTING BUILDING STRUCTURE.
5. DRIVEWAYS ARE SHOWN AS PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING FINAL DESIGN PHASE.
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. CURVATURES NOTED SYMMETRICAL.
8. APPROXIMATE 100 YEAR FLOODPLAIN WAS DERIVED FROM FEMA FLOOD DATA. FEMA MAPS.
9. CONVENTIONAL ROADWAY SIGNAGE SMALL SIGNS, LARGE SIGNS, OVERHEAD SIGNS WILL BE DEVELOPED DURING THE FINAL PHASE OF DESIGN.
10. OWNERSHIP INFORMATION SHOWN ON PROPERTY MAPS IS BASED ON LIBERTY COUNTY APPRAISAL DISTRICT, SEPTEMBER 2019.
11. ENVIRONMENTAL CONSTRAINTS AND STOP CONDITIONS UNDERGROUND UTILITIES NOTED.
12. UTILITY CALLOUTS WITH * ON PROPOSED TYPICAL SECTIONS ARE APPROXIMATE STATIONS BASED ON EXISTING SURVEY.







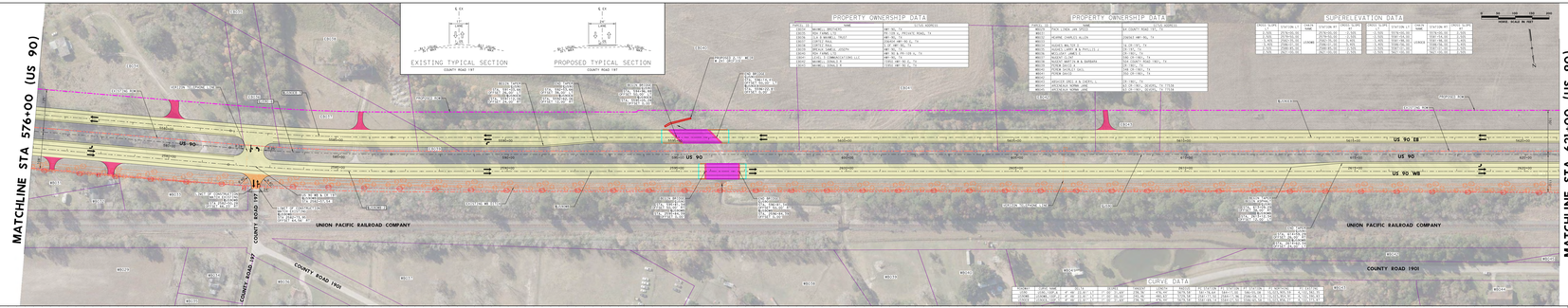


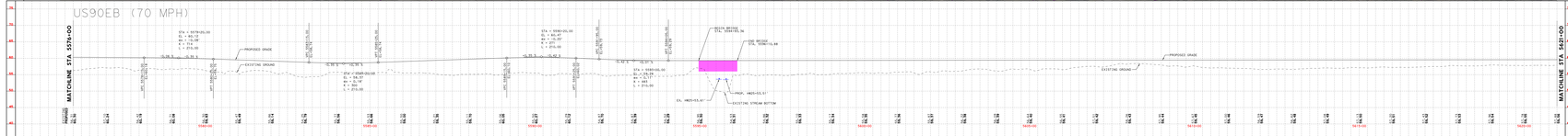
PROPOSED BRIDGE SECTION
STA. 590+91.34 TO STA. 590+91.34 (WESTBOUND)

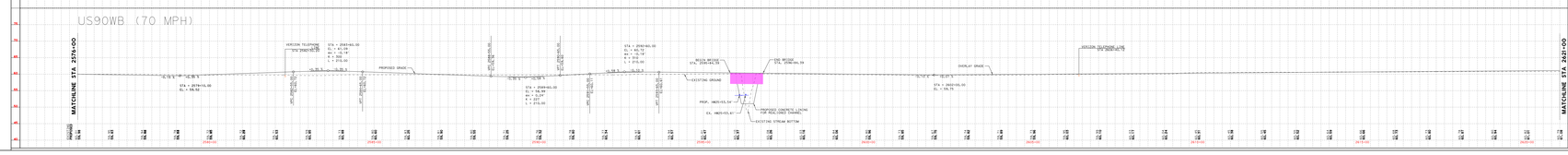
PROPOSED BRIDGE SECTION
STA. 594+96.84 TO STA. 594+96.84 (EASTBOUND)

LEGEND

- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- PROPOSED DRAINAGE EASEMENT
- PROPOSED SAMSUT 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 DRIVEWAY
- PROPOSED DRAINAGE EASEMENT
- PROPOSED RAISED MEDIAN
- PAVEMENT REMOVAL
- POTENTIAL DISPLACEMENT
- FEMA FLOODWAY
- FEMA 100-YR FLOODPLAIN
- EXISTING/PROPOSED SIGNAL







Texas Department of Transportation

© 2024 by Texas Department of Transportation, all rights reserved

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 (GRAL)	RURAL PRINCIPAL ARTERIAL	70	35000
US90EB	RURAL PRINCIPAL ARTERIAL	70	17500
US90WB	RURAL PRINCIPAL ARTERIAL	70	17500
CR197	MAJOR COLLECTOR	50	2000
CR1901	MAJOR COLLECTOR	50	2000

HIGHTOLLED BY STOP CONDITION

SECTION	EXISTING AADT (2019)	AADT (1ST YEAR 2021)	AADT (DESIGN YEAR 2041)
US90 FROM PARKER TO EAST OF PARKER	17,572	20,200	27,100

LEGEND OF UTILITY TYPES

OVERHEAD POWER
PROPOSED UTILITY
EXISTING UTILITY

COMMUNICATIONS
AT&T (TOLL)
AT&T (NON TOLL)
AMERIGROUP (CONDUIT)
AMERIGROUP (FIBER)
SAMSUT (CONDUIT)
SAMSUT (FIBER)
COMCAST (CABLE)
COMCAST (CONDUIT)
VERIZON (TELCO)
VERIZON (CONDUIT)
VERIZON (FIBER)
UNKNOWN TELECOM
AT&T (TOLL)
AT&T (NON TOLL)
AMERIGROUP (CONDUIT)
SAMSUT (TELCO)
SAMSUT (CONDUIT)
COMCAST (CONDUIT)
COMCAST (CABLE)
VERIZON (TELCO)
VERIZON (CONDUIT)
UNKNOWN TELECOM

ELECTRIC / POWER
UNDERGROUND
TRAFFIC SIGNAL
CITY OF BEAUMONT
TRAFFIC SIGNAL
CITY OF BEAUMONT
TRAFFIC SIGNAL

GAS / PETROLEUM
SUNOCO
SUNOCO (CONDUIT)
SUNOCO (TRANSFER)
ENTERGY
ENTERGY TRANSFER
ENTERGY (CONDUIT)
ENTERGY (FIBER)
CITY OF BEAUMONT
UPRR
UPRR (CONDUIT)
UPRR (FIBER)
CITY OF BEAUMONT
WILLIAMS
WILLIAMS (CONDUIT)
WILLIAMS (FIBER)
WILLIAMS
WILLIAMS (CONDUIT)
WILLIAMS (FIBER)
BP
BP (CONDUIT)
BP (FIBER)
ALLIANCE
ALLIANCE (CONDUIT)
ALLIANCE (FIBER)
UNKNOWN
UNKNOWN (CONDUIT)
UNKNOWN (FIBER)
BANGO
BANGO WORKING
BANGO (FIBER)
CITGO / TRANSFER
CITGO (CONDUIT)
CENTERPOINT
CENTERPOINT (CONDUIT)
CENTERPOINT (FIBER)
EXXONMOBIL
EXXONMOBIL (CONDUIT)
EXXONMOBIL (FIBER)
CITY OF BEAUMONT
CITY OF BEAUMONT (CONDUIT)
CITY OF BEAUMONT (FIBER)
BUCKEYE GATHER

WELLSKY
CENTERPOINT (FIBER)
CITY OF BEAUMONT
WELLSKY
CITY OF BEAUMONT
CITY OF BEAUMONT
CITY OF BEAUMONT