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

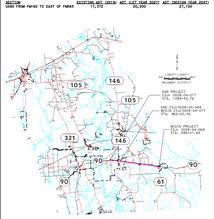
CSJ: 0028-04-069
CSJ: 0028-04-077

LIBERTY COUNTY
PROJECT LENGTH: 11.39 MILES
TERRAIN: LEVEL

| ROADWAY | FUNCTIONAL CLASSIFICATION | DESIGN SPEED | AREA |
|---|---|---|---|
| US 90 (SUBL) | RURAL PRINCIPAL ARTERIAL - OTHER | 55 | RURAL |
| SH 61 | RURAL PRINCIPAL ARTERIAL - OTHER | 55 | RURAL |
| FM 770 | RURAL MAJOR COLLECTOR | 55 | RURAL |
| FM 563 | RURAL MAJOR COLLECTOR | 55 | RURAL |
| FM 2830 | RURAL MAJOR COLLECTOR | 55 | RURAL |
| FM 770 S | RURAL MAJOR COLLECTOR | 55 | RURAL |

NONTRAFFICKED BY STOP CONDITION

| SECTION | EXISTING ADT (2019) | ADT (1ST YEAR 2021) | ADT (DESIGN YEAR 2042) |
|---|---|---|---|
| US90 FROM PARIGO TO EAST OF PARGO | 17,572 | 20,200 | 27,100 |




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

SEPTEMBER 2024

| PRE-CONSTRUCTION SUBMITTAL REVISIONS |
|---|
| SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF: |
| EXCEL D. SUTTON — 12014E — NAME — P.E. NUMBER — 9/19/2024 — DATE |

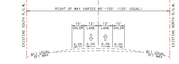
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES

ROLL 7 OF 14

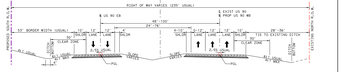
HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.960.4400

GENERAL NOTES

1. EXISTING FEATURES WERE SURVEYED BETWEEN DECEMBER 2019 AND APRIL 2020.
2. TRAFFIC VOLUMES WERE PROVIDED BY TXDOT AS OF 2019.
3. ADA RAMPS AND SIDEWALK ARE DESIGNED TO TXDOT PEDESTRIAN STANDARDS. LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. ADA RAMPS WILL BE REDETERMINED DURING FINAL DEVELOPMENT.
4. BUILDINGS ARE SHOWN AS POTENTIAL. BUILDINGS WITH ROOF OVERHANGS THAT PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
5. BUILDINGS ARE SHOWN AS PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING THE FINAL PHASE.
6. SUPER ELEVATION AXIS OF ROTATION IS EDGE OF TRAVEL WAY SHOWN IN THE TYPICAL SECTIONS.
7. DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. CURVATURE NOTED SYMMETRICAL.
8. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE DETERMINED FROM FLOOD INSURANCE RATE MAPS.
9. CONVENTIONAL ROADWAY SIGNAGE SMALL SIGNS, LARGE SIGNS, AND SIGNAL POLES DEVELOPED DURING THE FINAL PHASE OF DESIGN.
10. GRADEPOINT INFORMATION SHOWN ON PROFILE VIEWS IS BASED ON LIBERTY COUNTY APPRAISAL DISTRICT SEPTEMBER 2018.
11. ALL DIMENSIONS, INTERSECTIONS AND STOP CONTROLLED UNLESS OTHERWISE NOTED.
12. UTILITY CALLOUTS WITH * ON PROPOSED SHEETS ARE ESTIMATED LOCATIONS BASED ON EXISTING SURVEY.




EXISTING TYPICAL SECTION
(INCLUDE UNDERCUT)
STA. 756+00.00 TO STA. 801+00.00




PROPOSED TYPICAL SECTION
STA. 756+00.00 TO STA. 801+00.00

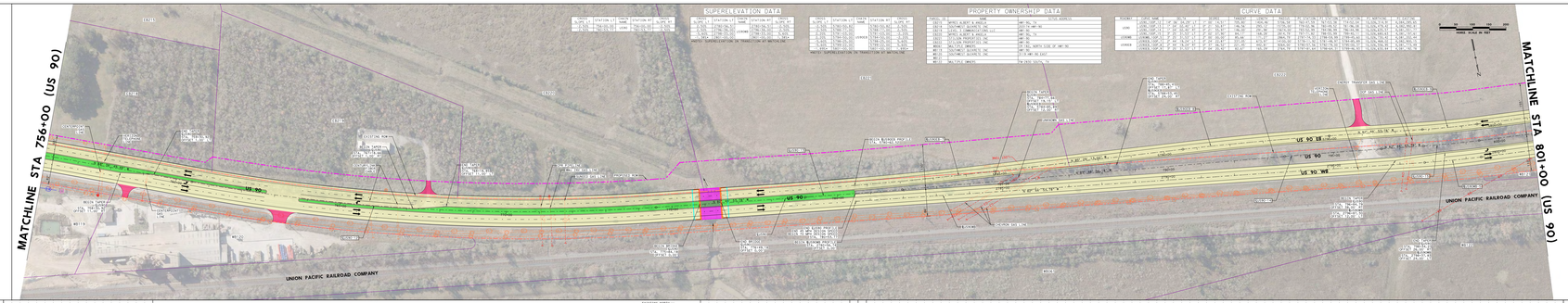
TYPICAL CROSSOVER WITH LEFT TURN LANES (45 MPH)
DETAIL

TRAFFIC DIAGRAM

PROPOSED BRIDGE SECTION
(FOR LINE UNDERCUT)
STA. 770+44.18 TO STA. 774+49.18

LEGEND

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




SUPERELEVATION DATA

| | STATION LT | STATION RT | DIRECTION | STATION BT | DIRECTION |
|---|---|---|---|---|---|
| US 90 | 756+00.00 | 756+00.00 | | 756+00.00 | |
| US 90 | 770+44.18 | 770+44.18 | | 770+44.18 | |
| US 90 | 801+00.00 | 801+00.00 | | 801+00.00 | |
| SH 61 | 756+00.00 | 756+00.00 | | 756+00.00 | |
| SH 61 | 770+44.18 | 770+44.18 | | 770+44.18 | |
| SH 61 | 801+00.00 | 801+00.00 | | 801+00.00 | |
| FM 770 | 756+00.00 | 756+00.00 | | 756+00.00 | |
| FM 770 | 770+44.18 | 770+44.18 | | 770+44.18 | |
| FM 770 | 801+00.00 | 801+00.00 | | 801+00.00 | |
| FM 563 | 756+00.00 | 756+00.00 | | 756+00.00 | |
| FM 563 | 770+44.18 | 770+44.18 | | 770+44.18 | |
| FM 563 | 801+00.00 | 801+00.00 | | 801+00.00 | |
| FM 2830 | 756+00.00 | 756+00.00 | | 756+00.00 | |
| FM 2830 | 770+44.18 | 770+44.18 | | 770+44.18 | |
| FM 2830 | 801+00.00 | 801+00.00 | | 801+00.00 | |

NONTRAFFICKED BY STOP CONDITION

PROPERTY OWNERSHIP DATA

| ROADWAY | STATION | OWNER |
|---|---|---|
| SH 61 | SUBLETT AREA | ABP, INC. |
| SH 61 | 770+00.00 | ABP, INC. |
| SH 61 | 770+00.00 | ABP, INC. |
| SH 61 | 770+00.00 | ABP, INC. |
| SH 61 | SUBLETT AREA | ABP, INC. |
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| US 90 | 770+00.00 | ABP, INC. |
| US 90 | 770+00.00 | ABP, INC. |
| US 90 | 770+00.00 