Texas Department of Transportation

# ENVIRONMENTAL IMPACT STATEMENT (EIS)

***DRAFT***

## *SCHEMATIC LAYOUT*

*OF THE*

*RECOMMENDED PREFFERED ALTERNATIVE ("2014 MODIFIED 2 ALTERNATIVE")*

**OFFICE OF THE DISTRICT ENGINEER**
**PHARR DISTRICT**

68 TEXAS

## STATE HIGHWAY 68
## HIDALGO COUNTY

**PROJECT DETAILS & DESIGN CRITERIA**

CSJ: 1629-01-001
LIMITS: US 83/IH 2 TO US 281/IH 69C
PROJECT CORRIDOR LENGTH: 31.62 MILES
TOTAL LENGTH OF ROADWAY: 29.62 MILES
TOTAL LENGTH OF BRIDGES: 2.00 MILES
TOTAL LENGTH OF BOX CULVERTS: 1.18 MILES

FUNCTIONAL CLASSIFICATION: FREEWAY
HIGHWAY TYPE: URBAN FREEWAY
SUBURBAN FRONTAGE ROAD

ADT:
US 83 TO SH 107: 14,400 (2014)
SH 107 TO FM 1925: 7,400 (2014)
(PROP) US 83 TO SH 107: 49,000 (2035)
(PROP) SH 107 TO FM 1925: 31,000 (2035)
(PROP) FM 1925 TO I-69C/US 281: 20,400 (2035)
(ALL TRAFFIC NUMBERS ARE 2014 DHV)

DESIGN STANDARDS: TxDOT
ROADWAY DESIGN MANUAL
(OCTOBER 2014)

$e_{max}$ = 4%

DESIGN SPEEDS:
MAINLANES: 70 MPH (38.90 MILES TOTAL)
FRONTAGE ROADS: 50 MPH (43.20 MILES TOTAL)
RAMPS: 50 MPH TO 70 MPH & VICE-VERSA (9.64 MILES TOTAL)
DIRECT CONNECTORS: 50 MPH (0.72 MILES TOTAL)
TURNAROUNDS: 15-20 MPH (0.72 MILES TOTAL)
INTERSECTING ROADS: 30-50 MPH (2.04 MILES TOTAL)

**PRELIMINARY & SUBJECT TO CHANGE**

**NOT A BIDDING DOCUMENT**

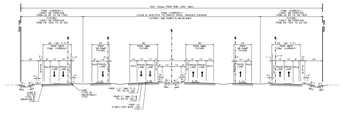
C.L. "ROY" MYNIER, PE
80030
TEXAS REGISTRATION NUMBER
4/4/2018
DATE

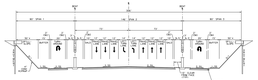
RJ RIVERA ASSOCIATES
REGISTRATION NUMBER - F-3009

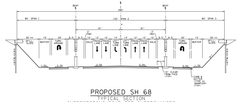
4711 SOUTH ALAMO ROAD
SUITE 100
EDINBURG, TEXAS 78542
(956) 460-9299

8023 SANTAVIDE DRIVE
SUITE 100
SAN ANTONIO, TX 78230
(210) 785-0888

11940 JOLLYVILLE ROAD
SUITE 220S
AUSTIN, TX 78759
(512) 467-1136



NOTES:
1. FOR TYPICAL SUBSECTIONS NOTWITH TEMPORARIES
2. TYPICAL FRAME AREA

LEGEND:

PROPOSED CONSTRUCTION
- RIGHT-OF-WAY
- CONTROL OF ACCESS
- MAINLANES
- FRONTAGE ROADS
- TURNAROUNDS
- RAMPS
- BRIDGES
- INTERSECTING ROADS (PAVED, GRAVEL, DIRT/ROAD, GRADE)
- BASELINE ALIGNMENT
- FRONTAGE RD ALIGNMENT
- INTERSECTING RD ALIGNMENT
- PAVED SHOULDER
- PAVED SHOULDER (TRUCKS)
- SHOULDER
- SLOPE/DITCH TO BE TAKEN OUT OF QUANTITIES (TRUCKS)
- METAL BEAM GUARD FENCE (MBGF) (TRUCKS)
- NEW STRUT (WALL)
- NEW RAILROAD CROSS FOR DRAINAGE (PAVED, GRAVEL, DIRT/ROAD)
- MULTI-USE DRAINAGE BOX (MUDB) (PAVED, GRAVEL, DIRT/ROAD)
- LANE DIRECTION INDICATOR
- IRRIGATION LINE, ABANDONED
- IRRIGATION LINE, RELOCATED
- DRAINAGE LINE, ABANDONED
- DRAINAGE LINE, RELOCATED

POTENTIAL/ FUTURE CONSTRUCTION
- AIRPORT EXPANSION
- POTENTIAL ROADWAY IMPROVEMENT
- PROPOSED ELECTRIC TRANSMISSION LINE
- DRAINAGE LINE, CHANNEL/PIPE
- WATERWAYS
- WASTEWATER LIFT STATION
- TECHNOLOGY/ DRAINAGE PROJECT LIST

EXISTING CONDITIONS
- CITY LIMIT
- COUNTY LINE
- IRRIGATION/WATER DISTRICT
- PROPERTY LINES
- WATER WELL (PUBLIC, PRIVATE, STOCK)
- UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
- 100-YR FLOOD PLAIN
- WETLAND
- HAZARDOUS MATERIAL AREA
- CEMETERY
- CEMETERY
- COLONIAS
- LANE DIRECTION INDICATOR
- MAILBOX
- SMALL SIGN
- BILLBOARDS

NOTE:
1. THE LINE/SYMBOLOGY OF LEGEND ON PLAN SHEETS MAY INCLUDE ROAD, RAILROAD, PIPELINE, POWER LINE, TELEPHONE, CABLE TELEVISION, IRRIGATION, DRAINAGE

LEGEND: CONTINUED:

EXISTING PETROLEUM FACILITIES
- GAS WELL
- GAS WELL (PLUGGED)
- OIL WELL
- OIL WELL (PLUGGED)
- GAS & OIL WELL
- GAS & OIL WELL (PLUGGED)
- GAS & OIL WELL (PLUGGED) TANK BATTERY
- UNKNOWN BURIED TANK

EXISTING UTILITIES
- FIBER OPTIC CABLE LINE
- POTABLE WATER LINE
- CABLE TV LINE
- WELDER PATERNOSTER ELECTRIC COOPERATIVE, INC.
- TRANSMISSION TOWER
- CELL TOWER
- FIBER OPTIC CELL
- POWER VAULT
- TELEPHONE VAULT
- POTABLE WATER TOWER/TANK
- POTABLE WATER
- FIRE HYDRANT
- UNKNOWN UTILITY
- UNKNOWN BURIED BOXES
- UNKNOWN BLUE MARKER
- UNKNOWN WHITE MARKER
- UNKNOWN YELLOW MARKER
- UNKNOWN UTILITY POLE
- GUY ANCHOR

EXISTING SIGNALIZATION & ILLUMINATION
- PULLBOX
- TRAFFIC LIGHT ARM
- CONTROLLER CABINET
- ILLUMINATION POLE

EXISTING DRAINAGE
- DRAINAGE LINE, CHANNEL/PIPE
- DRAINAGE LINE, MAINTENANCE
- DRAINAGE INLET
- GUTTER INLET
- DRAINAGE DITCH
- OBJECT MARKER

EXISTING IRRIGATION
- IRRIGATION CANAL
- IRRIGATION STANDPIPE