SUBMITTAL: DRAFT

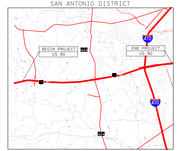
SHEET: 3 OF 4

TEXAS DEPARTMENT OF TRANSPORTATION

SCHEMATIC LAYOUT
US 90 IMPROVEMENTS
BEXAR COUNTY

LIMITS: FROM SH 211 TO MILITARY DRIVE
TxDOT C.S.J.: 0024-07-059 & 0024-08-138
LENGTH: 59720.00 FT = 11.311 MI

OFFICE OF THE DISTRICT ENGINEER
SAN ANTONIO DISTRICT



NOTE:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) EPOCH 2010.00, AS OBSERVED IN DECEMBER, 2015.

2. COORDINATES AND DISTANCES ARE US SURVEY FEET, DISPLAYED IN SURFACE VALUES DERIVED FROM THE FOLLOWING FORMULA: GRID X 1.00017 = SURFACE. SURFACE ADJUSTMENT FACTOR = 1.00017.

•GPS OBSERVATIONS ARE BASED ON THE FOLLOWING CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS): TKAN, TKPL.

3. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988. (GEOID 12A). DIGITAL LEVELS WERE APPLIED TO THE NETWORK HOLDING CONTROL POINT NO. 100'S ELEVATION OF 678.34'.

•SIGNIFY NAPS NTS
EXCEPTIONS: NONE
EQUATIONS: US 90 AT IH-410; US 90A 85+51.10 = US 90B 172+28.98
RAILROAD CROSSINGS: NONE
SURVEY DATA: TEXAS CENTRAL ZONE 4204 (BEXAR COUNTY)

DESIGN SPEED:	MAINLANE	70 MPH (URBAN (ROLLING))
	RAMP	45 MPH (URBAN (ROLLING))
	FRONTAGE ROAD	50 MPH (URBAN (ROLLING))
CURRENT AOT(2016):		44,700
PROJECTED AOT(2045):		115,800
FUNCTIONAL CLASSIFICATION:		URBAN PRINCIPAL ARTERIAL
PROPOSED DESIGN STANDARDS(STRUCTURES):		LRFD
PROPOSED DESIGN STANDARDS(ROADWAY):		TXDOT ROADWAY DESIGN MANUAL CHAPTER 3; AASHTO'S A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS
PROPOSED DESIGN STANDARDS(TRAFFIC):		TMUTCD & APPLICABLE TRAFFIC STANDARDS
PLOT SCALE:		1"=200' (HORIZ.) 1"=20' (VERT.)

SUBMITTED: _____, 2020

CORRECT: _____, 2020

PROJECT MANAGER RECOMMENDED FOR APPROVAL: _____, 2020

TRANSPORTATION PLANNING DIRECTOR APPROVED: _____, 2020

DIRECTOR OF TRANSPORTATION, PLANNING AND DEVELOPMENT

DISTRICT ENGINEER

APPROVED: DESIGN DIVISION LETTER DATED

APPROVED: F.H.W.A. LETTER DATED

JMT TBPE REGISTRATION NO. F-10040

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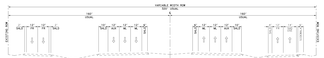
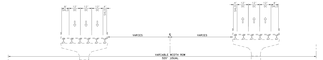
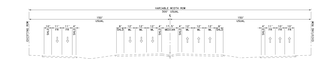


US 90 EXISTING TYPICAL SECTION
LINE MEDIA STARTS AND FRONTAGE ROADS
S.LINE WEST SIDE / NORTH LANE

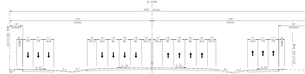


US 90 EXISTING TYPICAL SECTION
LINE MEDIA STARTS
S.LINE EAST SIDE / SOUTH LANE

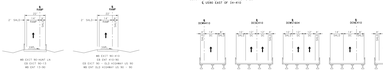


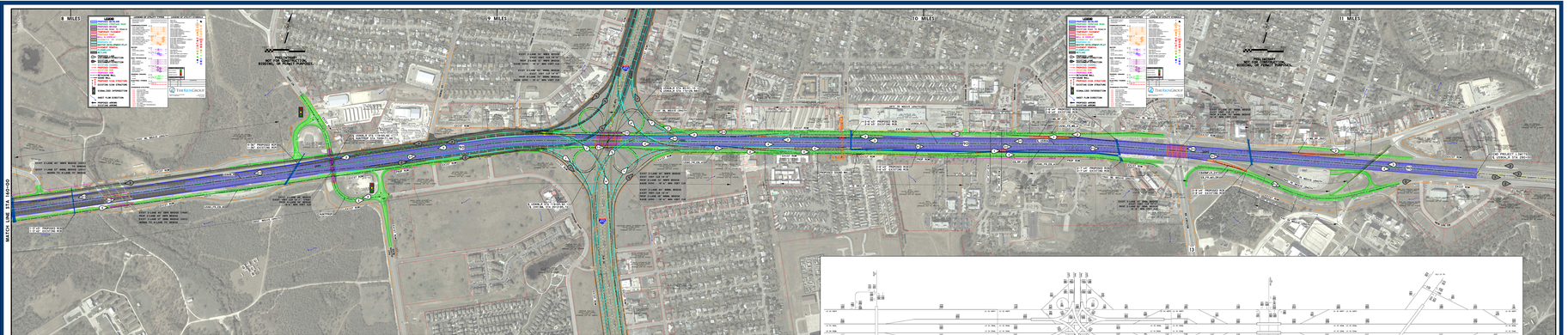
US 90 EXISTING TYPICAL SECTION
S.LINE EAST SIDE / SOUTH LANE
LINE MEDIA STARTS

US 90 PROPOSED TYPICAL SECTION STA 87+00 TO STA 125+00
LINE MEDIA STARTS AND FRONTAGE ROADS
S.LINE WEST SIDE/SOUTH LANE



US 90 PROPOSED TYPICAL SECTION STA 172+00 TO 280+00
LINE MEDIA STARTS AND FRONTAGE ROADS
S.LINE EAST SIDE/NORTH LANE



US 90 PROPOSED RAMP TYPICAL SECTIONS

US 90-IH 410 PROPOSED DIRECT CONNECTOR TYPICAL SECTIONS