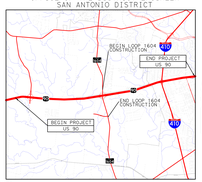
SUBMITTAL: DRAFT

SHEET: 4 OF 4

TEXAS DEPARTMENT OF TRANSPORTATION

SCHEMATIC LAYOUT
US 90 IMPROVEMENTS
BEXAR COUNTY

LIMITS: FROM SH 211 TO LP 1604
TxDOT C.S.J.: 0024-07-059, 0024-08-138, & 0024-08-143
LENGTH: 23900 FT = 4.53 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, TXPL.

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 619.34'.

VICINITY MAP: 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 ADT(2016):		44,700
PROJECTED ADT(2045):		113,800
FUNCTIONAL CLASSIFICATION:		URBAN PRINCIPAL ARTERIAL
PROPOSED DESIGN STANDARDS(STRUCTURES):		LRFD
PROPOSED DESIGN STANDARDS(ROADWAY):		TXDOT ROADWAY DESIGN MANUAL CHAPTER 3; 4R, SECTION 6; FREEWAYS
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-10240

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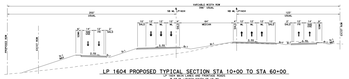
LANDUSE ROCK FOR ROAD BASE
EXISTING GROUND
PROPOSED GROUND
PROPOSED GRADE
EXISTING GRADE
PROPOSED GRADE
EXISTING GRAD