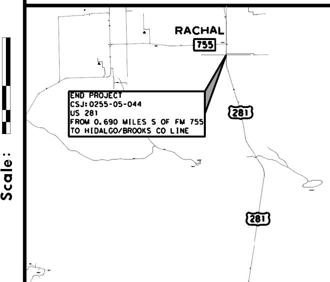

EXISTING CROSSOVER

Scale: 0' 50' 100' 200'

COLOR LEGEND

- PROPOSED MAINLANES
- FRONTAGE ROADS
- RAMPS
- EXISTING STRUCTURES
- PROPOSED BRIDGE STRUCTURES
- PROPOSED RETAINING WALL
- PROPOSED LANE INDICATOR
- PROPOSED RIGHT-OF-WAY
- PROPOSED CONTROL OF ACCESS (COA)
- EXISTING RIGHT-OF-WAY
- EXISTING LANE INDICATOR
- ULTIMATE PAVEMENT WIDTH

Date:

AVERAGE DAILY TRAFFIC VOLUMES

CSJ 0255-06-069
US 281
From: HIDALGO/BROOKS COUNTY LINE
To: 0.315 MILES NORTH OF SH 186

EXIST	LETTING	DESIGN
2016	2020	2040
12,508	13,540	24,644

CSJ 0255-05-044
US 281
From: 0.690 MILES SOUTH OF FM 755
To: HIDALGO/BROOKS COUNTY LINE IN BROOKS COUNTY

EXIST	LETTING	DESIGN
2016	2020	2035
12,182	13,186	24,003

NOTES:

1.) TRAFFIC NUMBERS FOR 2015 & 2035 WERE OBTAINED FROM TxDOT PLANNIG MAP AND WERE UPDATED TO 2016, 2020 AND 2040 USING AN ESTIMATED 2% INCREASE IN TRAFFIC PER YEAR.

2.) THE " INTERSECTION OF TRAVEL WAYS" FOR THE FRONTAGE ROAD/RAMP GORES IS DEFINED AS THE POINT WHERE THE CENTERLINES OF THE 8" SOLID WHITE GORE STRIPES ARE EXACTLY 8" APART.

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ENTECH CIVIL ENGINEERS, INC
F-6932
15021 Katy Freeway, Suite 500
Houston, Texas, 77094
281-945-0069 PH
281-945-0081 FX

PRELIMINARY
Document Incomplete: not intended for permit, bidding or construction.
Engineer: OCTAVIO N. GUERRA, P.E.
P.E. Serial No. 95688
Date: 10/18/2018

TEXAS DEPARTMENT OF TRANSPORTATION
PRELIMINARY DESIGN SCHEMATIC
US 281
HIDALGO/BROOKS COUNTY

LIMITS: From: 0.690 MILES SOUTH OF FM 755
To: 0.315 MILES NORTH OF SH 186

C-S-J-: 0255-06-069, etc.
FED. AID PROJECT NO.:
LENGTH: CSJ 0255-06-069 15.522 MILES
CSJ 0255-05-044 7.220 MILES
Existing Posted Speed: 75 MPH - MAINLANES

OFFICE OF DISTRICT ENGINEER
PHARR DISTRICT

DESIGN SPEED: 75 MPH - Mainlane; 50 MPH Frontage Roads & Ramps
Functional Classification: Rural Freeway
Chapter 3, Section 6 Freeways
Superelevation Rate e_{max} = 6%

10/18/2018

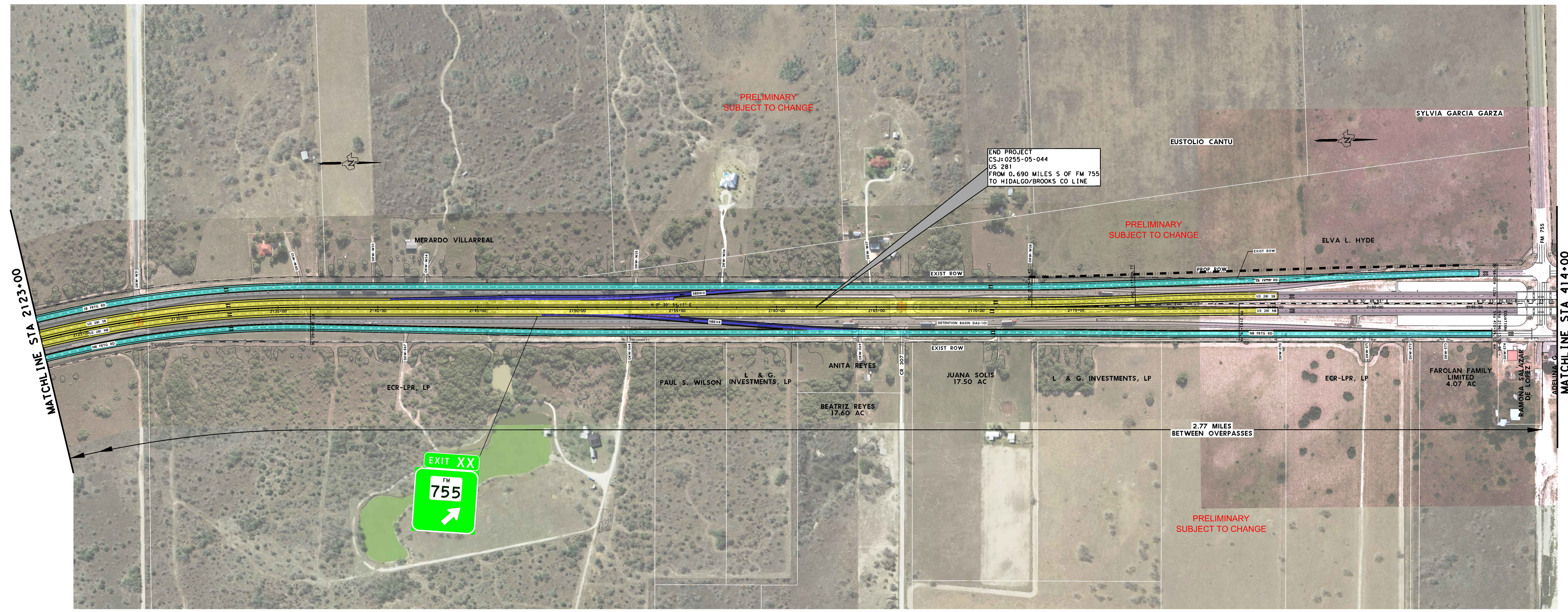
US 281-SEGMENT 2
ALTERNATIVE 1 - PREFERRED

STA. 2004+00 TO 2186+00

ROLL 6 OF 6

FILE: N:\0024-15-10)\CADD\DGN\SCHEMATIC ALTERNATIVES\ALTERNATIVE 1 FOR PUBLIC MEETING PREFERRED NO PROFILES\PM*PREFERRED*US281*SEG*2*ALT*1*ROLLPLOT*200-6.dgn
DATE: 10/18/2018 7:46:13 PM

CSJ: 0255-06-069, ETC.

ALTERNATIVE 1 - PREFERRED

US 281