

**SCHEMATIC LAYOUT**  
**I-45**

COUNTY: GALVESTON COUNTY CSJ: 0550-04-103  
 LIMITS FROM: FM 1764 DATE: 06/13/2017  
 LIMITS TO: TIKI DRIVE APPROVED: / /

NOT A BIDDING DOCUMENT  
 P.E. \_\_\_\_\_  
 TYPE NO. \_\_\_\_\_

**LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
[Blue line]	PROPOSED MAIN LANES	[Black line]	BLACK-4
[Blue line]	PROPOSED FRONTAGE ROADS	[Blue line]	BLUE-1
[Blue line]	PROPOSED RAMP	[Blue line]	BLUE-4
[Blue line]	PROPOSED DIRECT CONNECTOR	[Orange line]	ORANGE-0
[Blue line]	PROPOSED INTERCHANGE	[Red line]	RED-0
[Blue line]	PROPOSED RETAINING WALL	[Red line]	RED-3
[Blue line]	PROPOSED SIDEWALK	[Red line]	RED-5
[Blue line]	PROPOSED DRIVEWAY	[Red line]	RED-6
[Blue line]	PROPOSED BIKEWAY	[Red line]	RED-7
[Blue line]	PROPOSED DRIVEWAY	[Red line]	RED-8
[Blue line]	PROPOSED LINE INDICATOR	[Red line]	RED-9
[Blue line]	PROPOSED ROAD-OF-WAY	[Red line]	RED-10
[Blue line]	CONTROL OF ACCESS	[Red line]	RED-11
[Blue line]	PUMP/STREET	[Red line]	RED-12
[Blue line]	EXISTING RIGHT-OF-WAY	[Red line]	RED-13
[Blue line]	EXISTING ROADWAY	[Red line]	RED-14
[Blue line]	EXISTING ROADWAY TO BE REMOVED	[Red line]	RED-15
[Blue line]	EXISTING LINE INDICATOR	[Red line]	RED-16
[Blue line]	THREE-CURVE YEAR 1 (10Y)	[Red line]	RED-17

**COLORFILL LEGEND**

[Yellow fill]	MAIN LANES
[Orange fill]	FRONTAGE ROAD/RAMPS
[Red fill]	DIRECT CONNECTOR
[Blue fill]	BRIDGE

**SCALE**  
 0 100 200 300 400

**DESIGN CRITERIA**

FUNCTIONAL CLASSIFICATION: RURAL FREEWAY  
 MAIN LANE DESIGN CRITERIA: FREEWAY  
 MAIN LANE DESIGN SPEED: 70 MPH  
 FRONTAGE ROAD DESIGN CRITERIA: RURAL COLLECTOR  
 FRONTAGE ROAD DESIGN SPEED: 50 MPH  
 RAMP DESIGN SPEED: 45 MPH  
 CROSS STREET DESIGN SPEED: 35 MIN. 45 USUAL

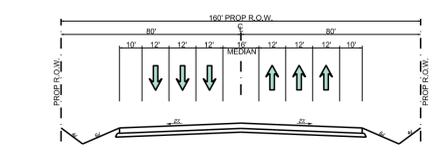
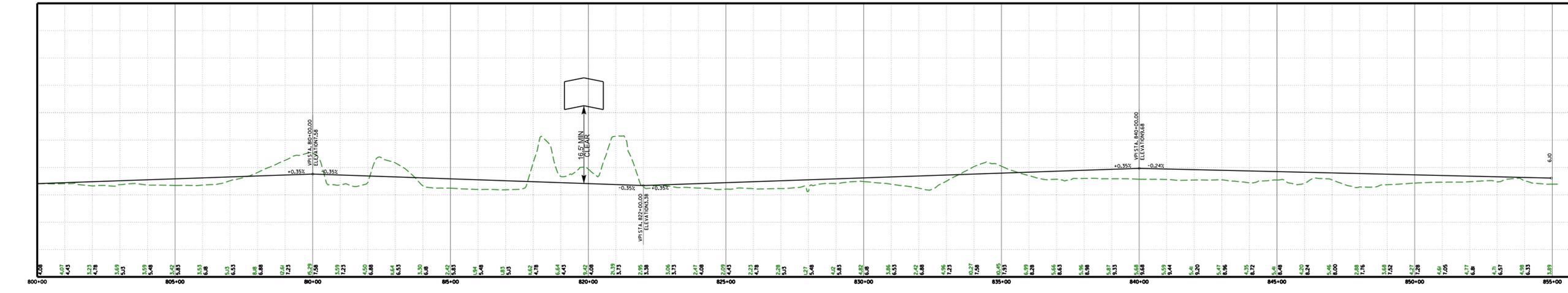
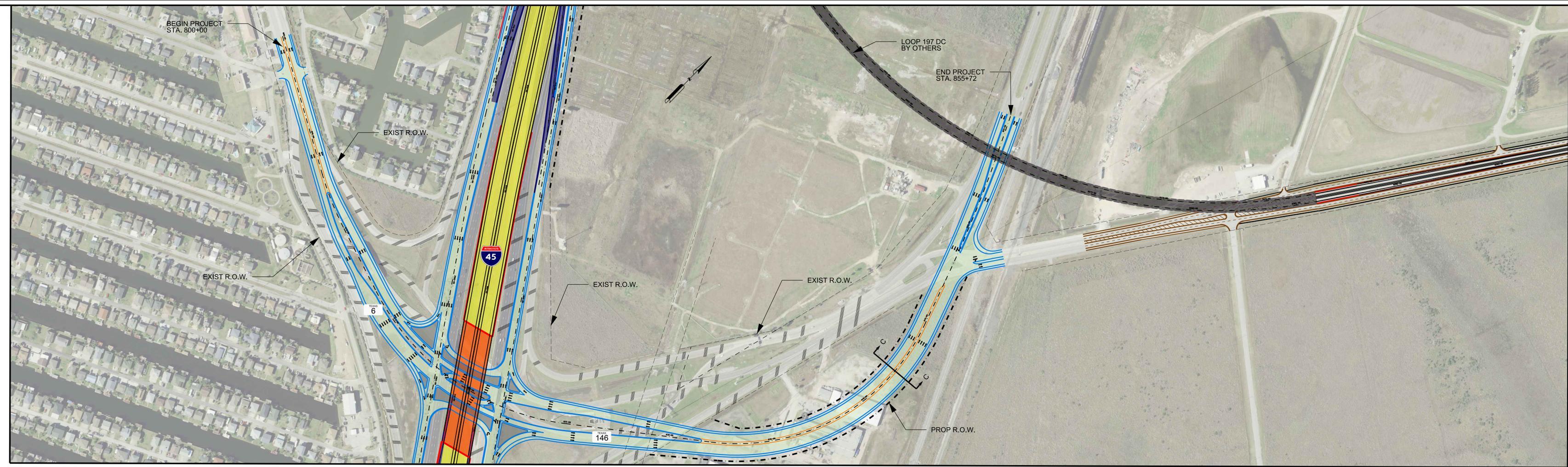
**SH 6**

PI STATION = 800+39.94  
 DELTA = 1° 02' 23.34" (L.T.)  
 DEGREE OF CURVE = 7° 49' 10.80"  
 TANGENT = 145.18  
 LENGTH = 290.36  
 RADIUS = 1,182.25  
 PC STATION = 800+94.76  
 PT STATION = 801+64.22  
 SUPERELEVATION = 4.0%

PI STATION = 819+62.03  
 DELTA = 0° 57' 41.12" (L.T.)  
 DEGREE OF CURVE = 1° 46' 28.72"  
 TANGENT = 433.82  
 LENGTH = 1,200.00  
 RADIUS = 1,200.00  
 PC STATION = 817+02.40  
 PT STATION = 824+44.83  
 SUPERELEVATION = 4.0%

PI STATION = 839+32.35  
 DELTA = 1° 17' 02.82" (L.T.)  
 DEGREE OF CURVE = 0° 43' 46.48"  
 TANGENT = 224.90  
 LENGTH = 1,080.00  
 RADIUS = 1,200.00  
 PC STATION = 832+03.45  
 PT STATION = 844+43.17  
 SUPERELEVATION = 5.0%

PI STATION = 859+64.89  
 DELTA = 1° 01' 09.87" (L.T.)  
 DEGREE OF CURVE = 0° 53' 03.10"  
 TANGENT = 340.70  
 LENGTH = 680.78  
 RADIUS = 640.00  
 PC STATION = 847+09.22  
 PT STATION = 853+87.08  
 NO SUPERELEVATION REQUIRED



PROPOSED TYPICAL SECTION C-C