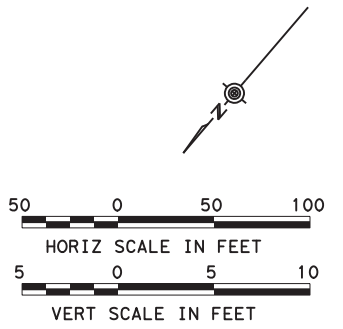
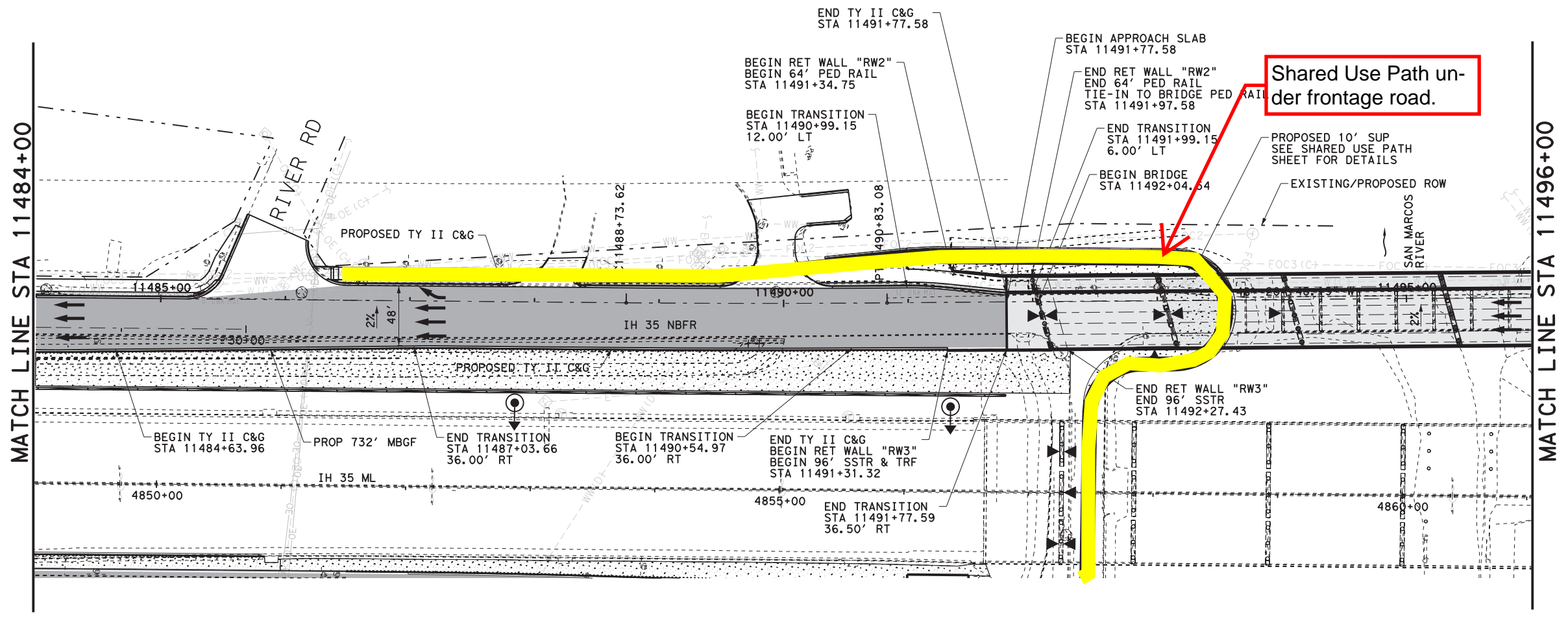
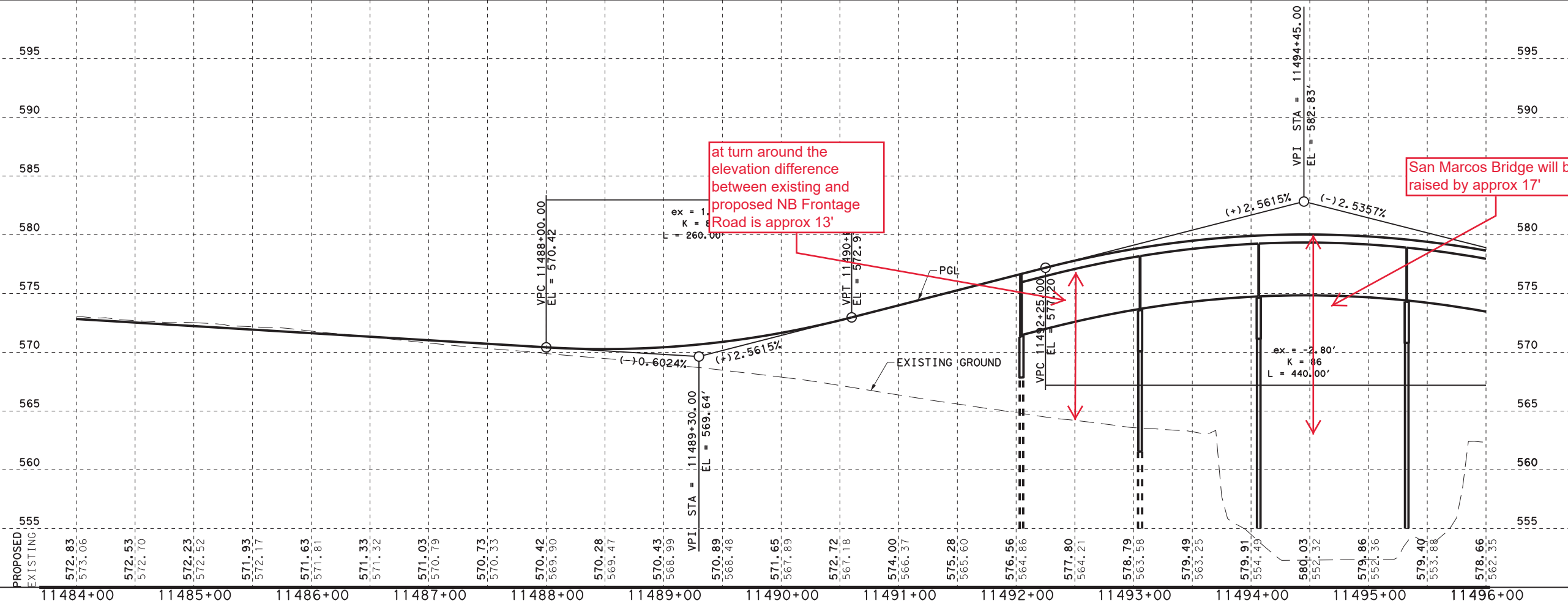


DATE: 27-SEP-2019 14:57  
 FILE: Projects\745700 - IH35 at SH123 RECONSTRUCTION\4 - Design\Plan Set\3 - Roadway\PP\_IH\_35\_SH123\_NBFR\_03.dgn



- LEGEND:**
- OVERLAY
  - PROPOSED ASPHALT PAVEMENT
  - PROPOSED BRIDGE
  - PROPOSED TRAVEL LANE
  - SAWCUT
  - EXISTING/PROPOSED ROW

- NOTES:**
1. SEE HORIZONTAL ALIGNMENT LAYOUTS AND HORIZONTAL ALIGNMENT DATA SHEETS FOR ADDITIONAL INFORMATION.
  2. SEE GORE DETAILS, INTERSECTION LAYOUTS, AND DRIVEWAY PLAN AND PROFILES FOR ADDITIONAL INFORMATION.
  3. SEE TABLE OF CROSS SLOPES FOR ADDITIONAL INFORMATION.



**NOT FOR CONSTRUCTION**

DOCUMENT FOR REVIEW ONLY AND NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

CHRISTOPHER S. WICKHAM  
 No. 91218



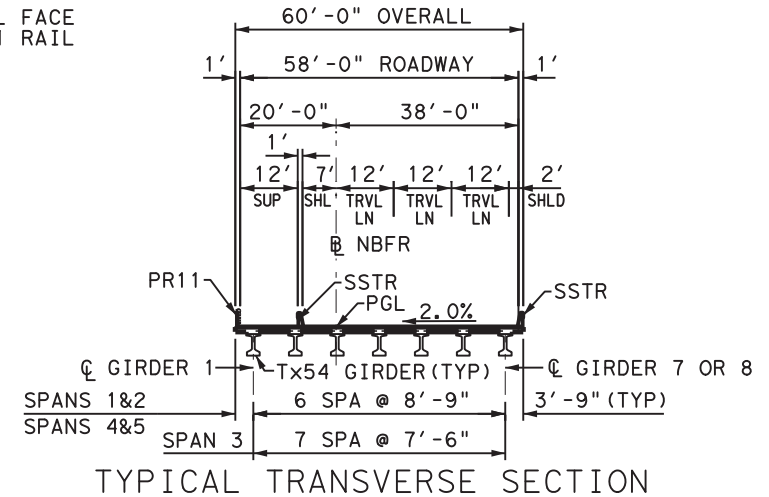
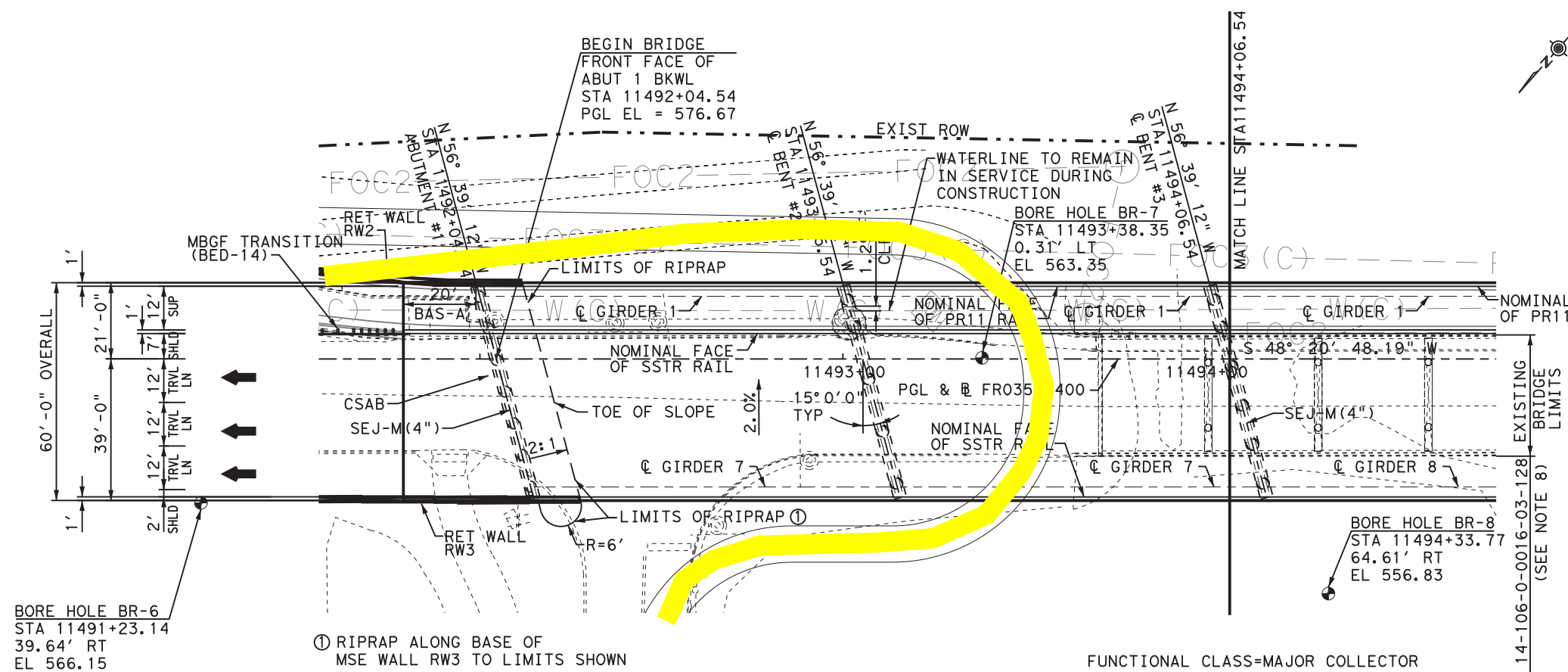
**IH 35 AT SH 123  
 PLAN & PROFILE  
 NBFR**

SHEET 3 OF 8				
© 2019	CONT	SECT	JOB	HIGHWAY
DIST	CK:	0016 03	114	IH 35
DIST	CK:	AUS	HAYS	SHEET NO.
DIST	CK:	AUS	HAYS	251

DATE: 26-JUL-2019 21:07  
 FILE: Projects\745700 - IH35 at SH123 RECONSTRUCTION4 - Design\Plan Set\7. Bridge\NBFR OVR SAN MARCOS RIVER BRIDGE.01.dgn

**GENERAL NOTES**

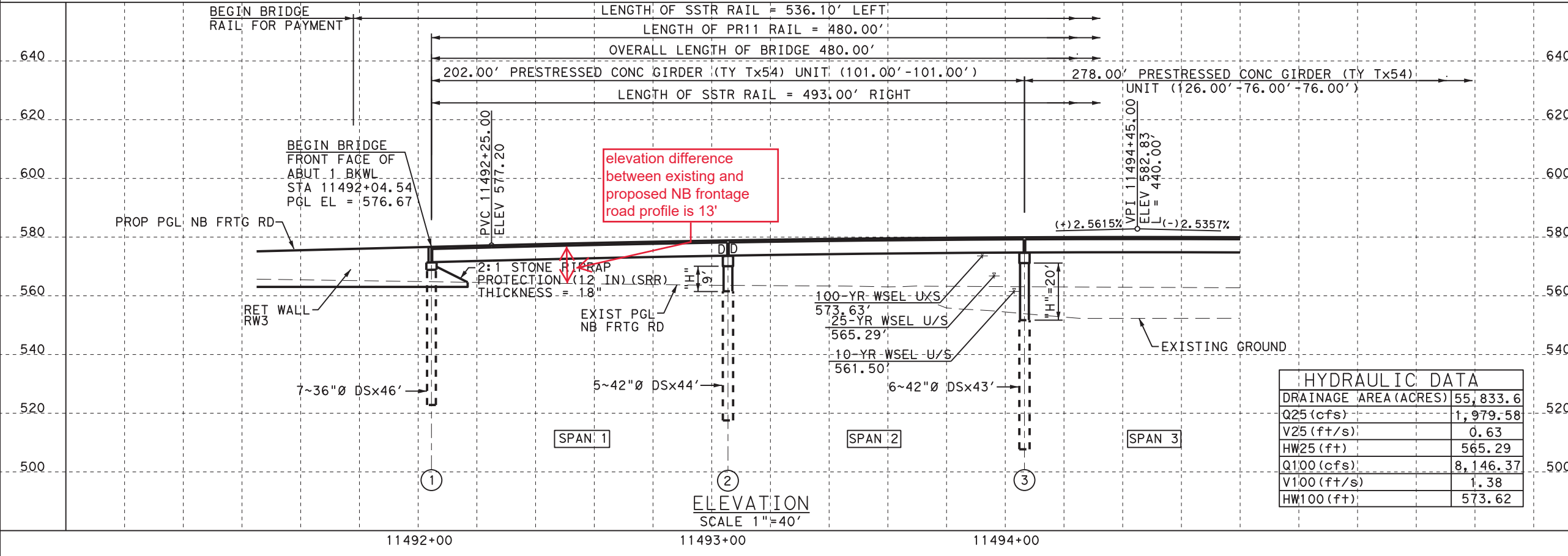
- DESIGN IN ACCORDANCE TO AASHTO LRFD BRIDGE SPECIFICATIONS, 8TH EDITION, 2017 WITH CURRENT INTERIMS FOR HL 93 LOADING.
- BEAM END CONDITIONS:  
 D-DENOTES DOWEL AT EXTERIOR BEAMS.  
 BLANK- DENOTES NO DOWEL.
- ⊙ DENOTES SOIL BORING LOCATION. FOR BORING LOG INFORMATION, SEE "TEST HOLE DATA" SHEETS.
- THE "H" VALUES SHOWN ARE ESTIMATED COLUMN HEIGHTS. CONTRACTOR IS RESPONSIBLE FOR CALCULATING ACTUAL COLUMN HEIGHTS BASED ON FIELD CONDITIONS.
- FOR DRILLED SHAFT EMBEDMENT SEE FOUNDATION LAYOUT SHEET FOR NOTES.
- UTILITIES SHOWN ARE IN APPROXIMATE LOCATIONS. CONTRACTOR SHALL VERIFY LOCATION PRIOR TO CONSTRUCTION.
- ⊗ NBFR = FR035NB400
- EXISTING BRIDGE TO BE REMOVED IS A 212' LONG x 32' WIDE 7-SPAN PERFORM GIRDER CONCRETE BRIDGE ON DRILLED SHAFT FOUNDATION.
- SEE ROADWAY PLANS FOR EXACT LOCATIONS AND LIMITS OF MBGF TRANSITIONS.



PLAN  
SCALE 1"=40'

FUNCTIONAL CLASS=MAJOR COLLECTOR  
 (URBAN FRONTAGE ROADS)  
 DESIGN SPEED=50 MPH  
 ADT (2014)=134,690  
 ADT (2040)=193,000

NBI NO. 14-106-0-0016-03-128  
(SEE NOTE 8)



ELEVATION  
SCALE 1"=40'

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 CHRISTOPHER D. WHITE  
 No. 63018



F-12679  
 Texas Department of Transportation

**IH 35  
 BRIDGE LAYOUT  
 NBFR OVER  
 SAN MARCOS RIVER**  
 NBI No. 14-106-0-0016-03-465  
 SHEET 1 OF 2

HYDRAULIC DATA	
DRAINAGE AREA (ACRES)	55,833.6
Q25 (cfs)	1,979.58
V25 (ft/s)	0.63
HW25 (ft)	565.29
Q100 (cfs)	8,146.37
V100 (ft/s)	1.38
HW100 (ft)	573.62

PROJECT NO.			
DESIGN TV	CONT	SECT	JOB
RSF	0016	03	114
CHECKED	DIST		COUNTY
APPROVED	AUS		HAYS
HIGHWAY			SHEET NO.
IH 35			402

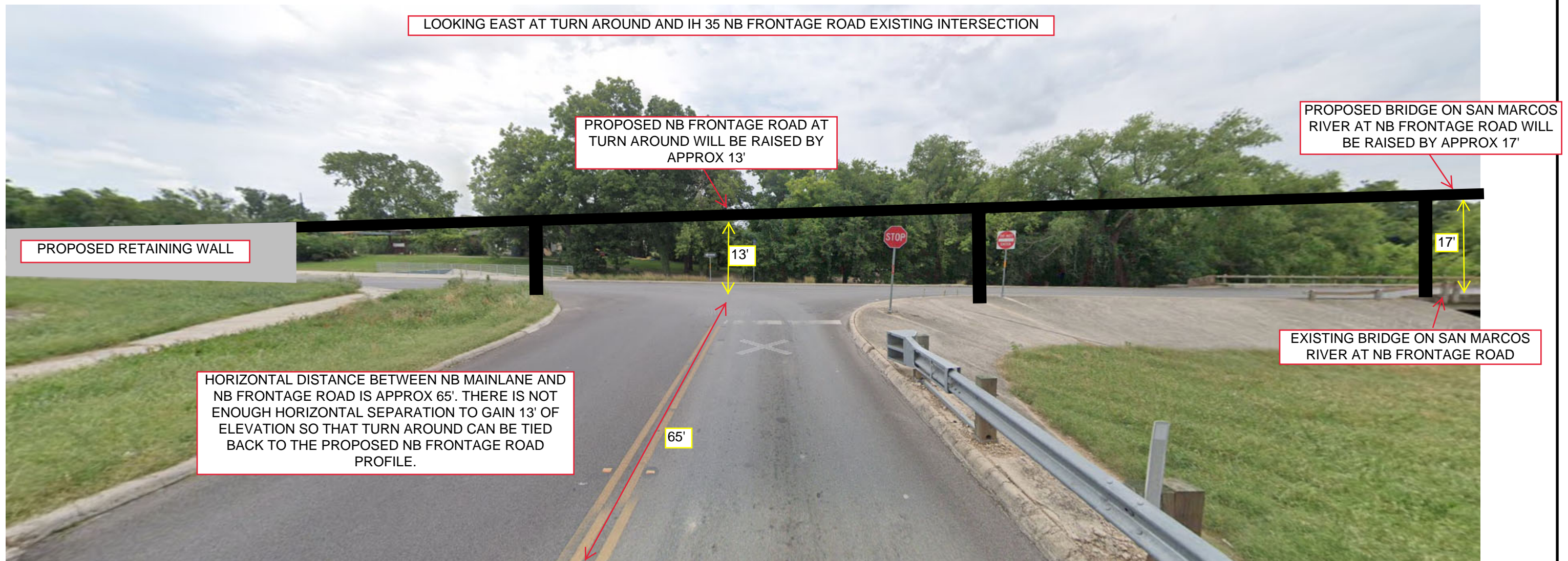




LOOKING EAST AT TURN AROUND  
IH 35 SB FRONTAGE ROAD CLEARANCE AT UNDER PASS - 15' 1"



LOOKING WEST AT TURN AROUND  
IH 35 NB MAINLANE CLEARANCE AT UNDER PASS - 15' 1"



LOOKING EAST AT TURN AROUND AND IH 35 NB FRONTAGE ROAD EXISTING INTERSECTION

PROPOSED NB FRONTAGE ROAD AT  
TURN AROUND WILL BE RAISED BY  
APPROX 13'

PROPOSED BRIDGE ON SAN MARCOS  
RIVER AT NB FRONTAGE ROAD WILL  
BE RAISED BY APPROX 17'

PROPOSED RETAINING WALL

HORIZONTAL DISTANCE BETWEEN NB MAINLANE AND  
NB FRONTAGE ROAD IS APPROX 65'. THERE IS NOT  
ENOUGH HORIZONTAL SEPARATION TO GAIN 13' OF  
ELEVATION SO THAT TURN AROUND CAN BE TIED  
BACK TO THE PROPOSED NB FRONTAGE ROAD  
PROFILE.

EXISTING BRIDGE ON SAN MARCOS  
RIVER AT NB FRONTAGE ROAD

65'

13'

17'