

NOTES:

- FOR GENERAL NOTES, SEE "GENERAL NOTES" SHEETS.
- TOPO DATA PROVIDED BY CIVIL CORP. UTILITY DATA PROVIDED BY KCI.
- ALL DIMENSIONS ARE EITHER HORIZONTAL OR VERTICAL AND MUST BE CORRECTED FOR GRADE, CROWN AND/OR SUPERELEVATION.
- ALL SUPERELEVATION TRANSITIONS ARE LINEAR.
- VERTICAL CLEARANCES ARE CALCULATED FOR THE MOST CRITICAL CONDITION BASED UPON THE ULTIMATE AND INTERIM SECTIONS.
- "D" DENOTES BENTS WITH DOWEL BARS AND SLOTTED HOLES AT ENDS OF EXTERIOR GIRDER ONLY.
- PILE TIP ELEVATIONS SHALL BE VERIFIED IN THE FIELD BY THE GEOTECHNICAL ENGINEER OF RECORD OR AN AUTHORIZED REPRESENTATIVE BASED UPON ACTUAL SOIL CONDITIONS ENCOUNTERED AT EACH PILE LOCATION.
- CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING STRUCTURES AND UTILITIES PRIOR TO CONSTRUCTION.
- SEE "TYPICAL SECTION" SHEET FOR TYPICAL SECTIONS.
- SEE "BORING LOG DATA" SHEETS FOR BORING LOG INFORMATION.
- SEE "FOUNDATION LAYOUTS" SHEETS FOR DRAINAGE AND UTILITY INFORMATION.
- REFER TO PROJECT AESTHETIC GUIDELINES FOR AESTHETIC DETAILS.
- SOIL EXPLORATION DATA PROVIDED BY PSI.
- FOR HVJ BORING DATA SEE "HVJ GEOTECHNICAL DATA REPORT" DATED 9/29/2014.

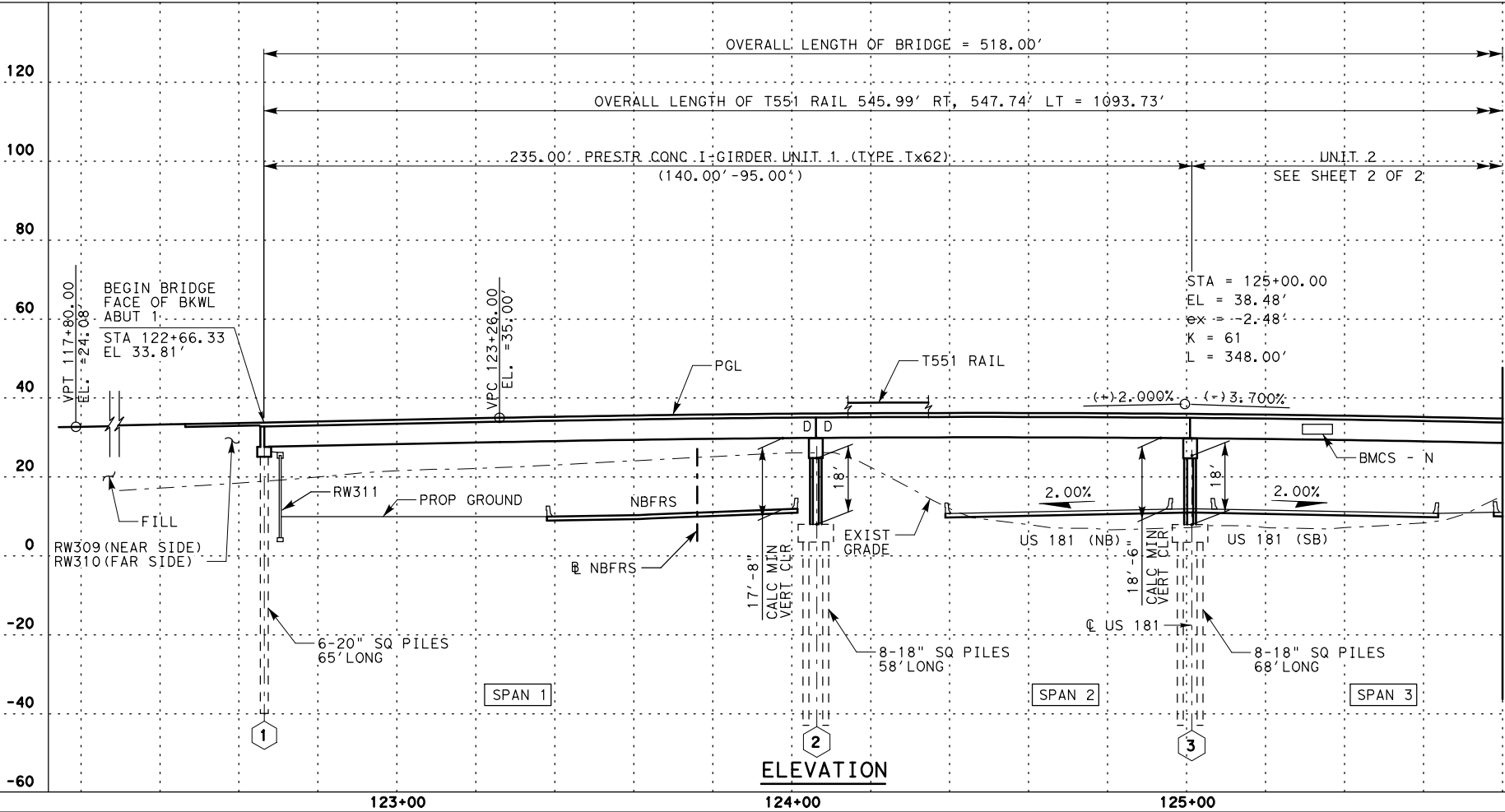
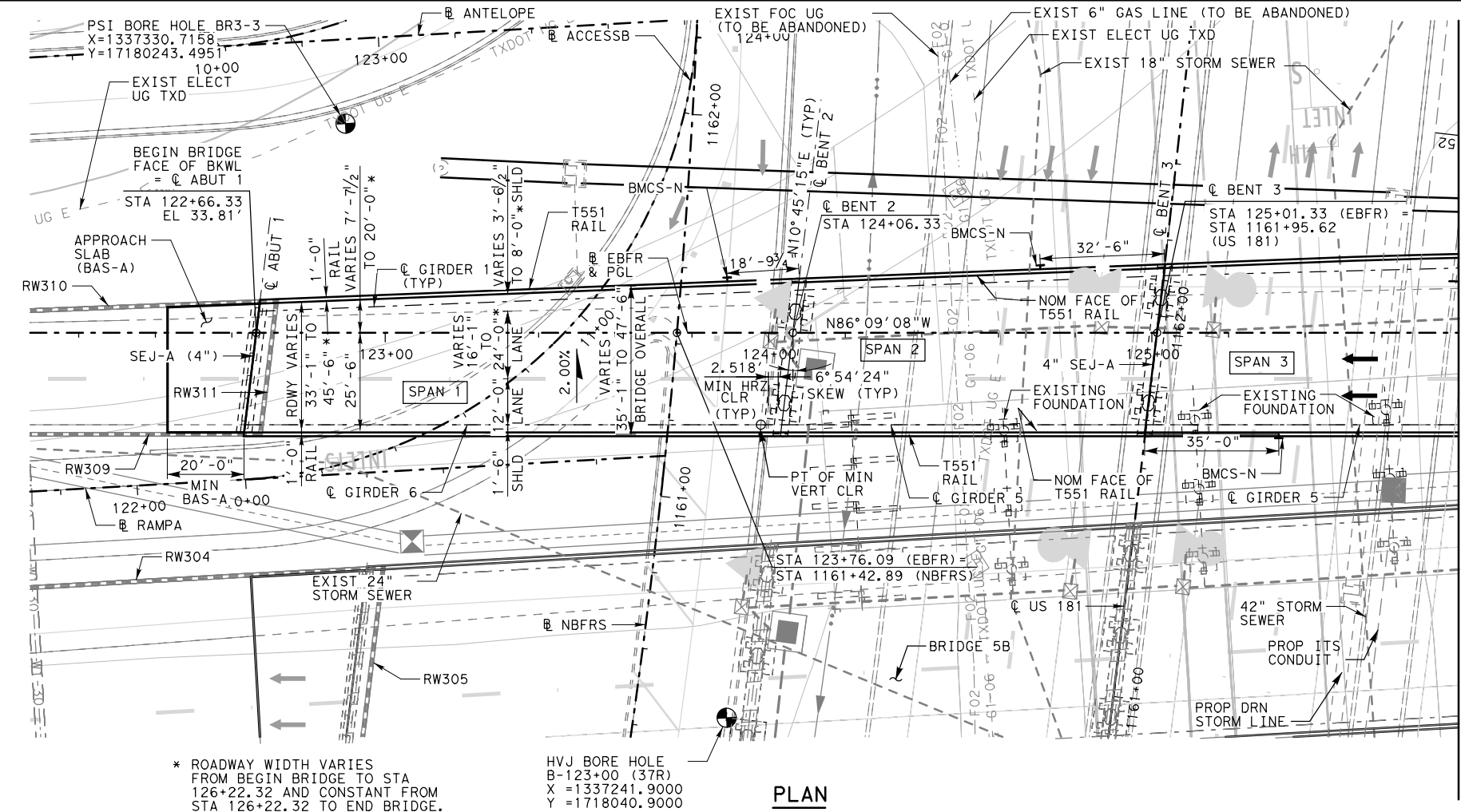
DESIGN DATA

NBI NO XX-XXX-XXXXXX-XXX  
FUNC CLASS: FREEWAY RAMP

DESIGN SPEED: 45 MPH  
ADT: BRIDGE 6  
(2015) = 1940  
(2035) = 11130

LEGEND

- ← PROPOSED TRAFFIC FLOW    ● BORE HOLE
- EXISTING FOUNDATION



STANTEC CONSULTING SERVICES, INC.  
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NICK N NIKPOUR 122413 08/04/2017  
TBPE FIRM #F-6324 P.E. NO. DATE

HL-93 LOADING

NO.	DATE	REVISION	APPROVED

**FLATIRON/DRAGADOS LLC**

**Stantec**  
Engineered by Stantec Consulting Services Inc.  
Texas Registered Engineering Firm F-6324

**Texas Department of Transportation** 2017

US 181 HARBOR BRIDGE  
BRIDGE LAYOUT

IH 37 SBFR OVERPASS AT  
US 181 ML NBFR & SBFR  
BRIDGE 6

SCALE: 1" = 40' - 0"				SHEET 1 OF 2
DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	HPX597 (1)		IH 37
CHECK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	CRP	NUECES	RB06
CHECK	CONTROL	SECTION	JOB	001
	0101	06	095	

[illegible]

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** MINIMUM HORIZONTAL
CLEARANCE = 3'-6"

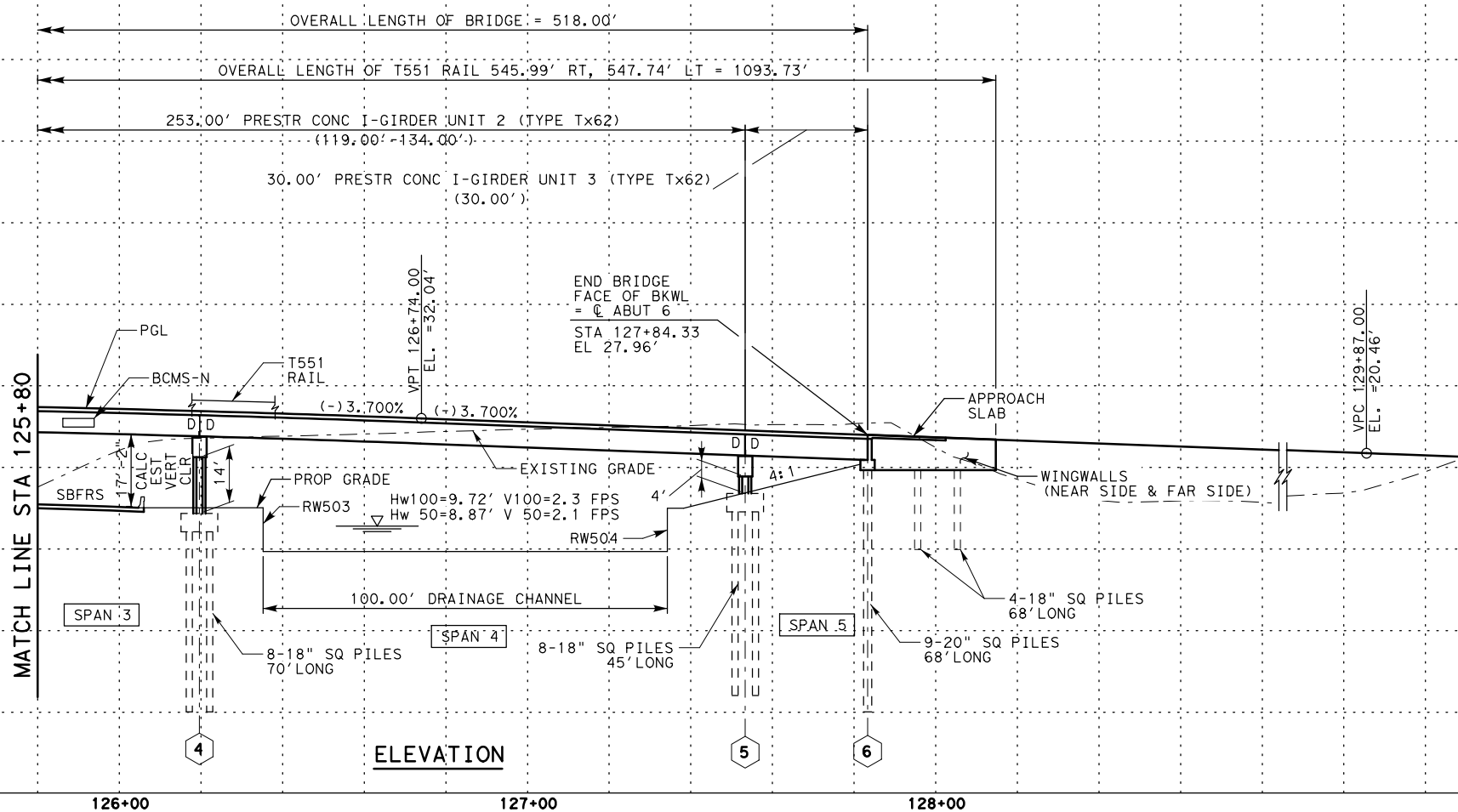
*** EXISTING FOUNDATION

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1. SEE SHEET 1 OF 2 FOR NOTES.

EXISTING FOUNDATION

CURVE	EBFR-2		
P. I.	STATION		131+29.57
DELTA	=	10° 38'	05.82" (LT)
DEGREE	=	1°	13' 27.37"
TANGENT	=		435.5902
LENGTH	=		868.6778
RADIUS	=		4,680.0000
P. C.	STATION		126+93.98
P. T.	STATION		135+62.66

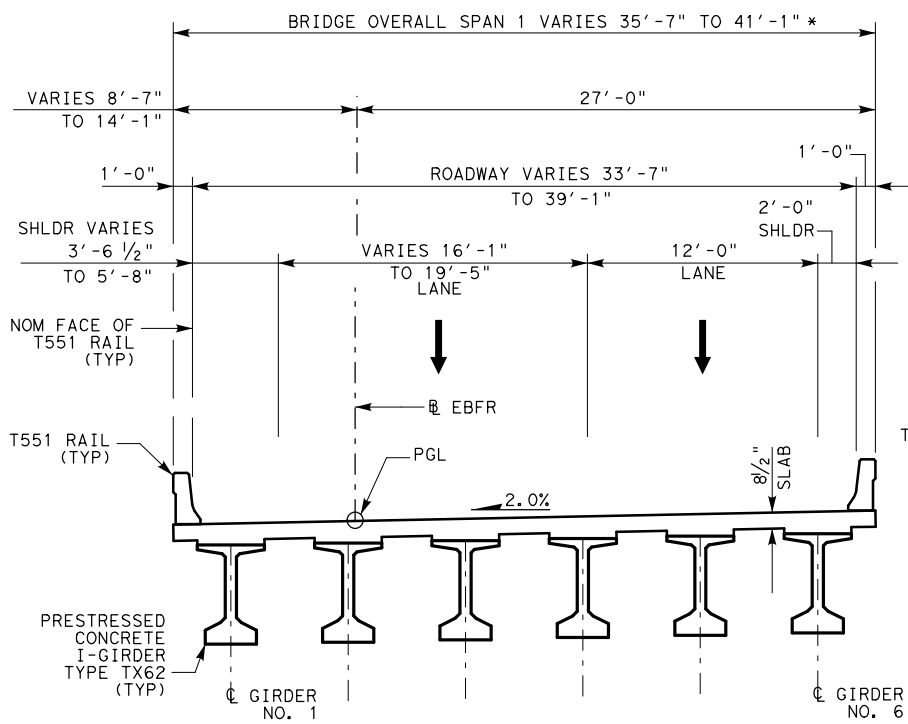


DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	HPX597 (1)		IH 37
	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	CRP	NUECES	RB06 <b>002</b>
CHECK	CONTROL	SECTION	JOB	
	0101	06	095	

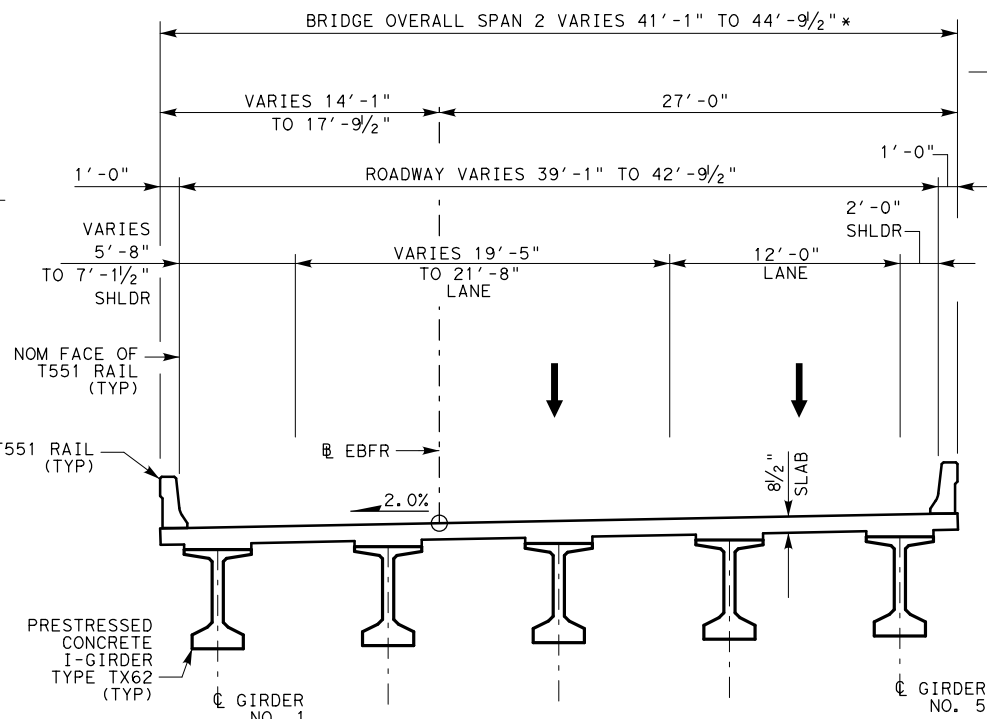
PRELIM NOT FOR CONSTRUCTION, AUGUST 2017

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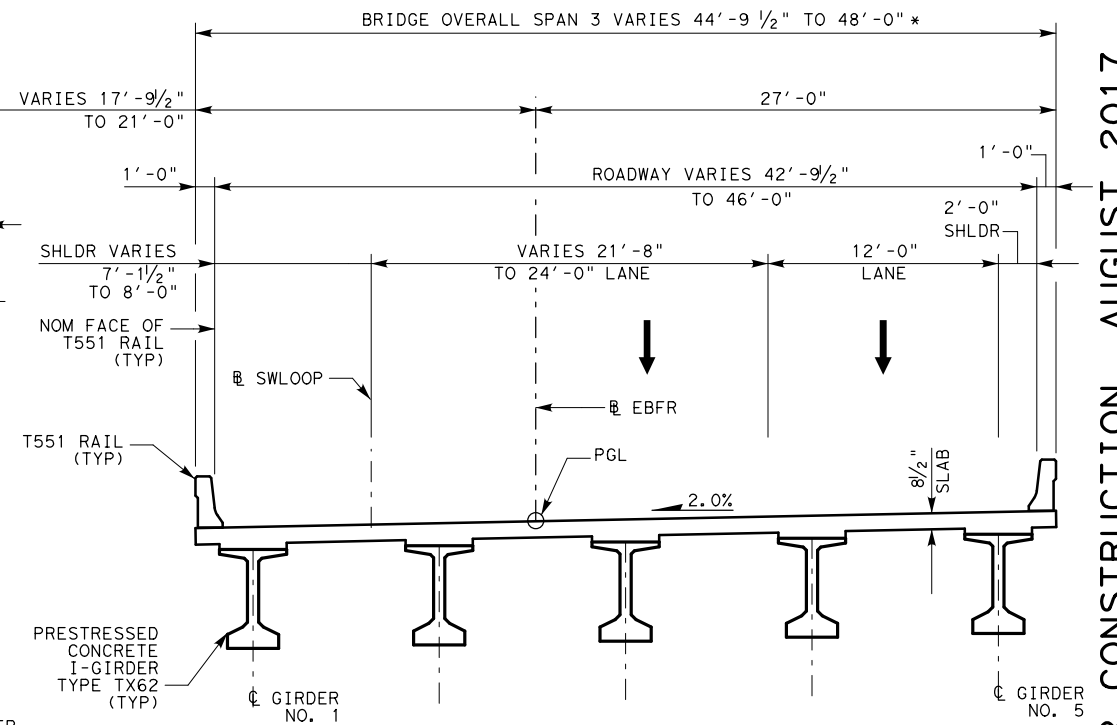
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TYPICAL TRANSVERSE SECTION  
SPAN 1

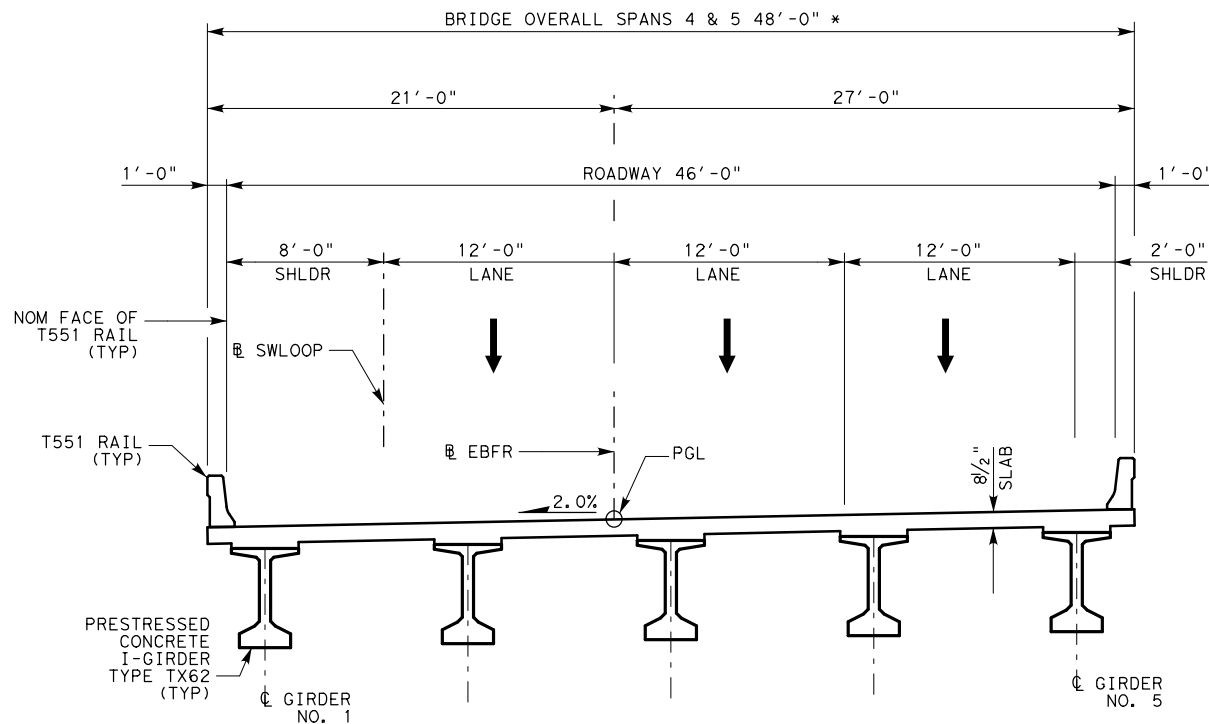


TYPICAL TRANSVERSE SECTION  
SPAN 2



TYPICAL TRANSVERSE SECTION  
SPAN 3

\* DECK WIDTH MEASURED PERPENDICULAR TO EBFR AT EACH BENT.



TYPICAL TRANSVERSE SECTION  
SPANS 4 & 5

#### NOTES:

- FOR GENERAL NOTES, SEE "GENERAL NOTES" SHEETS.
- SEE TxDOT STANDARD DRAWING TYPE T551 FOR BRIDGE RAIL DETAIL.


#### LEGEND

↓ PROPOSED TRAFFIC FLOW  
(OPPOSITE TO THE STATIONING)

#### HL-93 LOADING

NO.	DATE	REVISION	APPROVED

 <b>FLATIRON/DRAGADOS LLC</b>	 Engineered by Stantec Consulting Services Inc. Texas Registered Engineering Firm F-6324
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 <b>Texas Department of Transportation</b>
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<b>US 181 HARBOR BRIDGE</b> <b>TYPICAL SECTION</b>  <b>IH 37 SBFR OVERPASS AT</b> <b>US 181 ML NBFR &amp; SBFR</b> <b>BRIDGE 6</b>
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SCALE: 1"=10'-0"			SHEET 1 OF 1		
DESIGN	FED. RD. DIV. NO.		FEDERAL AID PROJECT NO.		HIGHWAY NO.
GRAPHICS	6		HPX597(1)		IH 37
	STATE	DISTRICT	COUNTY		SHEET NO.
CHECK	TEXAS	CRP	NUECES		RBG06 003
CHECK	CONTROL	SECTION	JOB		
	0101	06	095		

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