







- NOTES:

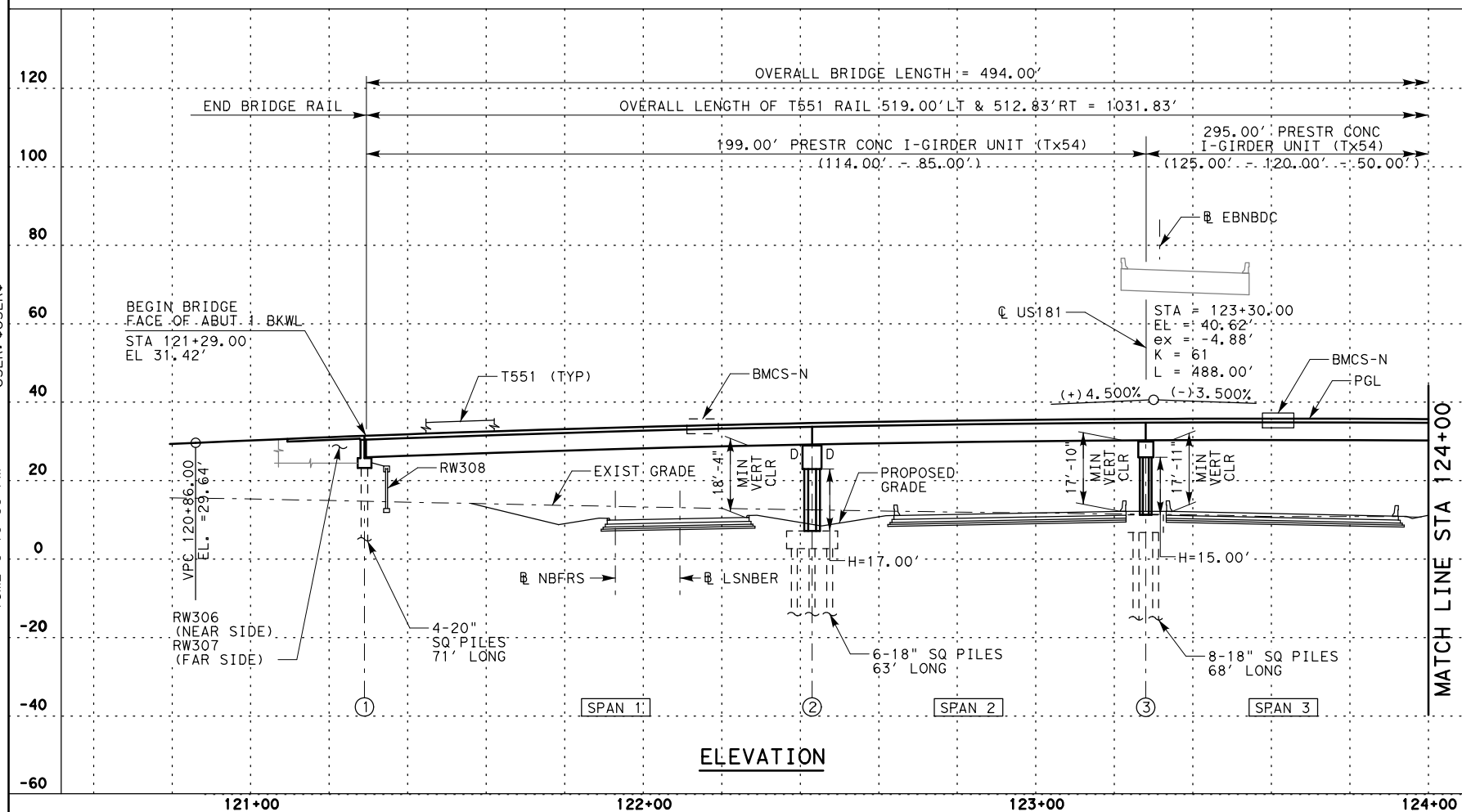
1. FOR GENERAL NOTES, SEE "GENERAL NOTES" SHEETS.
2. TOPO DATA PROVIDED BY CIVIL CORP. UTILITY DATA PROVIDED BY KCI.
3. ALL DIMENSIONS ARE EITHER HORIZONTAL OR VERTICAL AND MUST BE CORRECTED FOR GRADE, CROWN AND/OR SUPERELEVATION.
4. ALL SUPERELEVATION TRANSITIONS ARE LINEAR.
5. VERTICAL CLEARANCES ARE CALCULATED FOR THE MOST CRITICAL CONDITION BASED UPON THE ULTIMATE AND INTERIM SECTIONS.
6. "D" DENOTES BENTS WITH DOWEL BARS AND SLOTTED HOLES AT ENDS OF EXTERIOR GIRDER ONLY.
7. 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.
8. CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING STRUCTURES AND UTILITIES PRIOR TO CONSTRUCTION.
9. SEE "TYPICAL SECTION" SHEETS FOR TYPICAL SECTIONS.
10. SEE "BORING LOG DATA" SHEETS FOR BORING LOG INFORMATION.
11. SEE "FOUNDATION LAYOUT" SHEETS FOR DRAINAGE AND UTILITY INFORMATION.
12. SEE SIGNAGE SHEETS FOR SIGN LOCATIONS AND BRIDGE MOUNT DETAILS.
13. SOIL EXPLORATION DATA PROVIDED BY PSI.
14. FOR HVJ BORING DATA SEE "HVJ GEOTECHNICAL DATA REPORT" DATED 9/29/2014.

DESIGN DATA

NBI NO XX-XXX-XXXXXXX-XXX
 FUNC CLASS:
 DESIGN SPEED:
 ADT:
 (2015) =
 (2035) =

LEGEND

- | | | | |
|---|---------------------------------|---|----------------------------|
|  | PROP TRAFFIC FLOW |  | PROP DRAINAGE INLET |
|  | PROP TRAFFIC ILLUM JUNCTION BOX |  | PROP DRAINAGE JUNCTION BOX |
|  | PROP TRAFFIC ILLUM GB |  | BORE HOLE |



STANTEC CONSULTING SERVICES, INC.
PRELIMINARY - FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT
INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING
OR CONSTRUCTION PURPOSES. THEY WERE PREPARED
BY OR UNDER THE SUPERVISION OF:

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



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



Texas Department of Transportation 2017

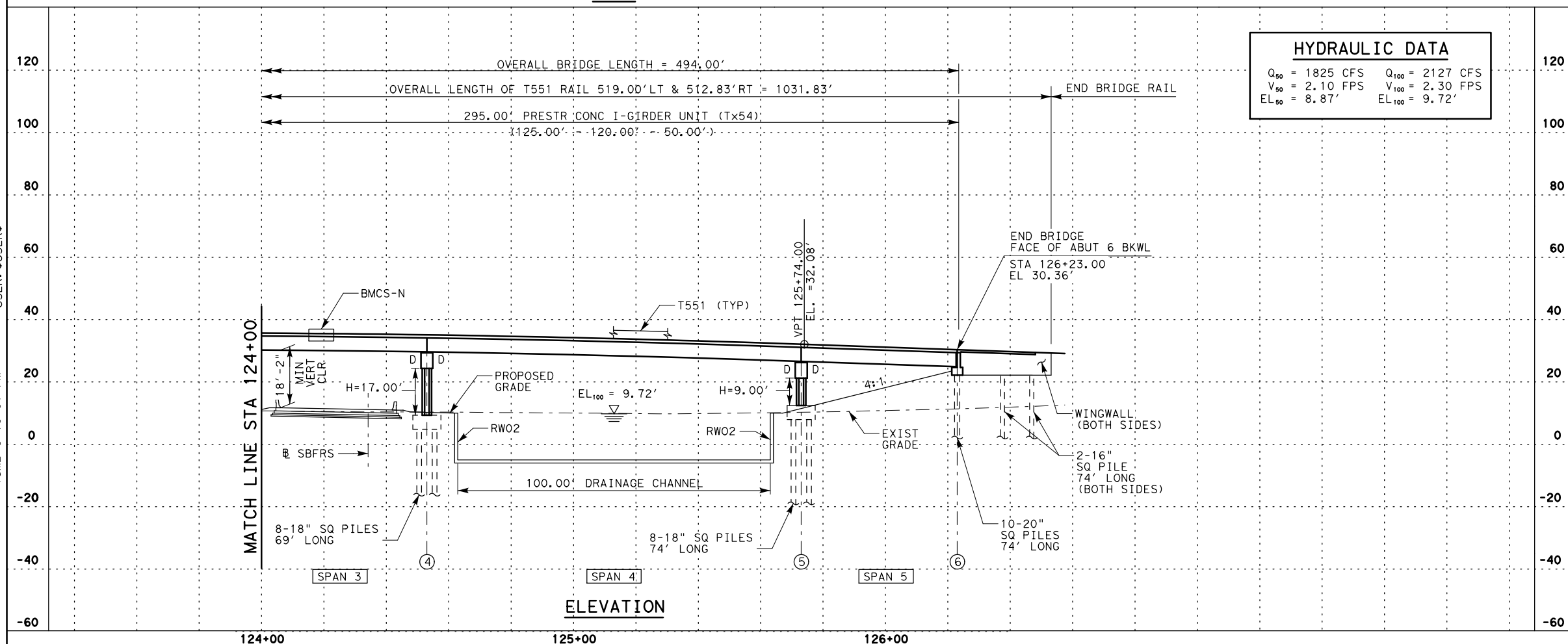
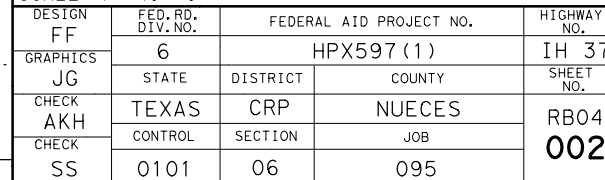
US 181 HARBOR BRIDGE BRIDGE LAYOUT

IH 37 NBFR OVERPASS AT
US 181 ML, NBFR, & SBFR
BRIDGE 4

SCALE: 1"=40'-0"

SHEET 1 OF 2

DESIGN FF	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
GRAPHICS JG	6	HPX597 (1)		IH 37
CHECK AKH	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	CRP	NUECES	RB04 001
SS	CONTROL	SECTION	JOB	
	0101	06	095	



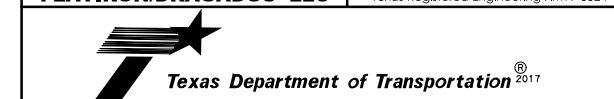


1. FOR GENERAL NOTES, SEE "GENERAL NOTES" SHEETS.
2. SEE TYPE T551 STANDARD FOR BRIDGE RAIL DETAIL.

* NORMAL TO EDGE OF SLAB.

← PROPOSED TRAFFIC FLOW

NO.	DATE	REVISION APPROVED



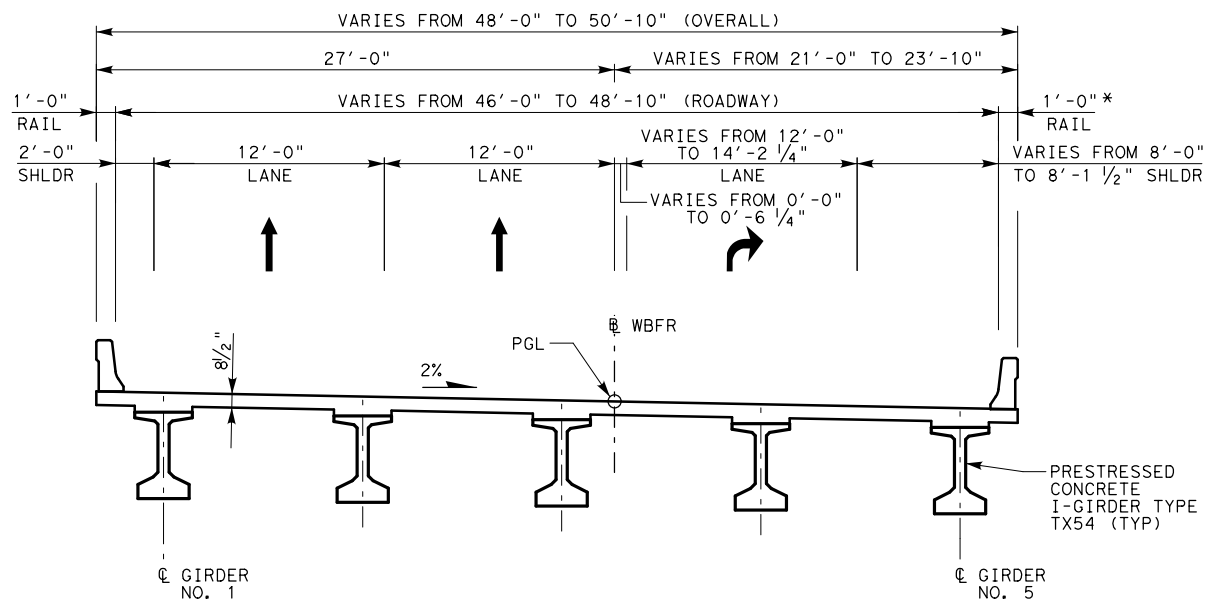
IH 37 NBFR OVERPASS AT
US 181 ML, NBFR, & SBFR
BRIDGE 4

DESIGN FF	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
GRAPHICS JG	6	HPX597 (1)		IH 3
CHECK AKH	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK SS	TEXAS	CRP	NUECES	RB04
	CONTROL	SECTION	JOB	003
	0101	06	095	

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT
INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING
OR CONSTRUCTION PURPOSES. THEY WERE PREPARED
BY OR UNDER THE SUPERVISION OF:

NICK N NIKPOUR 122413 08/04/2017
TBPE FIRM #F-6324 P.E. NO. DATE

FILE: c:\pw*online\stantec\dms33120\04HBR*BTIS02.dgn
DATE: 8/4/2017 TIME: 3:16:01 PM USER: \$USER\$



TYPICAL SECTION
(SPAN 5)

- NOTES:
- SEE SHEET 1 OF 2 FOR NOTES.
- * NORMAL TO EDGE OF SLAB.

LEGEND

← PROPOSED TRAFFIC FLOW

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**

US 181 HARBOR BRIDGE

TYPICAL SECTION

IH 37 NBFR OVERPASS AT
US 181 ML, NBFR, & SBFR
BRIDGE 4

SCALE: 1"=10'				SHEET 2 OF 2
DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
FF	6	HPX597 (1)		IH 37
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
JG	TEXAS	CRP	NUECES	RB04 004
CHECK	AKH	CONTROL	SECTION	
SS	0101	06	095	

STANTEC CONSULTING SERVICES, INC.
PRELIMINARY - FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NICK N NIKPOUR 122413 08/04/2017
TBPE FIRM #F-6324 P.E. NO. DATE

PRELIMINARY NOT FOR CONSTRUCTION, AUGUST 2017