

HORIZONTAL CURVE DATA

CURVE PAWBXR-1	
P.I. STATION	127+25.31
DELTA	8° 44' 55" (RT)
DEGREE	2° 30' 00"
TANGENT	175.31
LENGTH	349.95
RADIUS	2,291.83
P.C. STATION	125+50.00
P.T. STATION	128+99.95

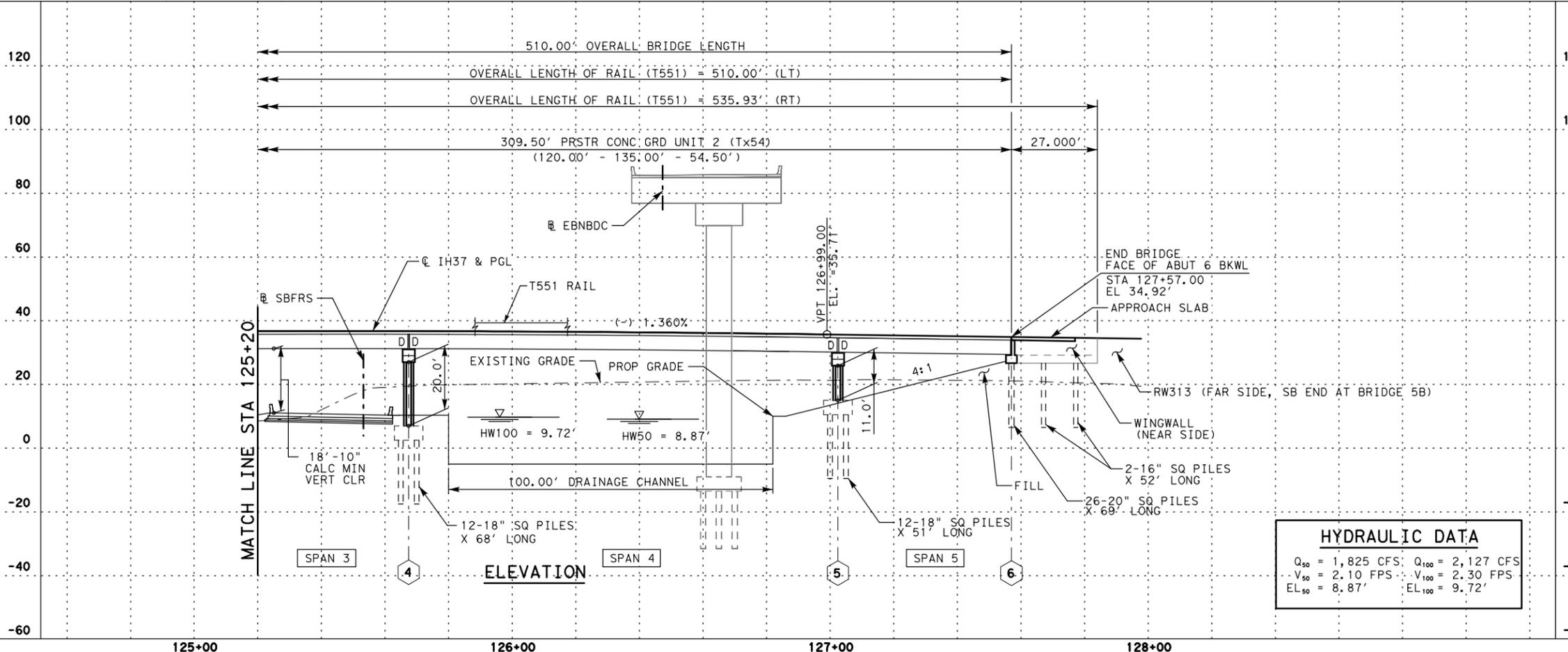
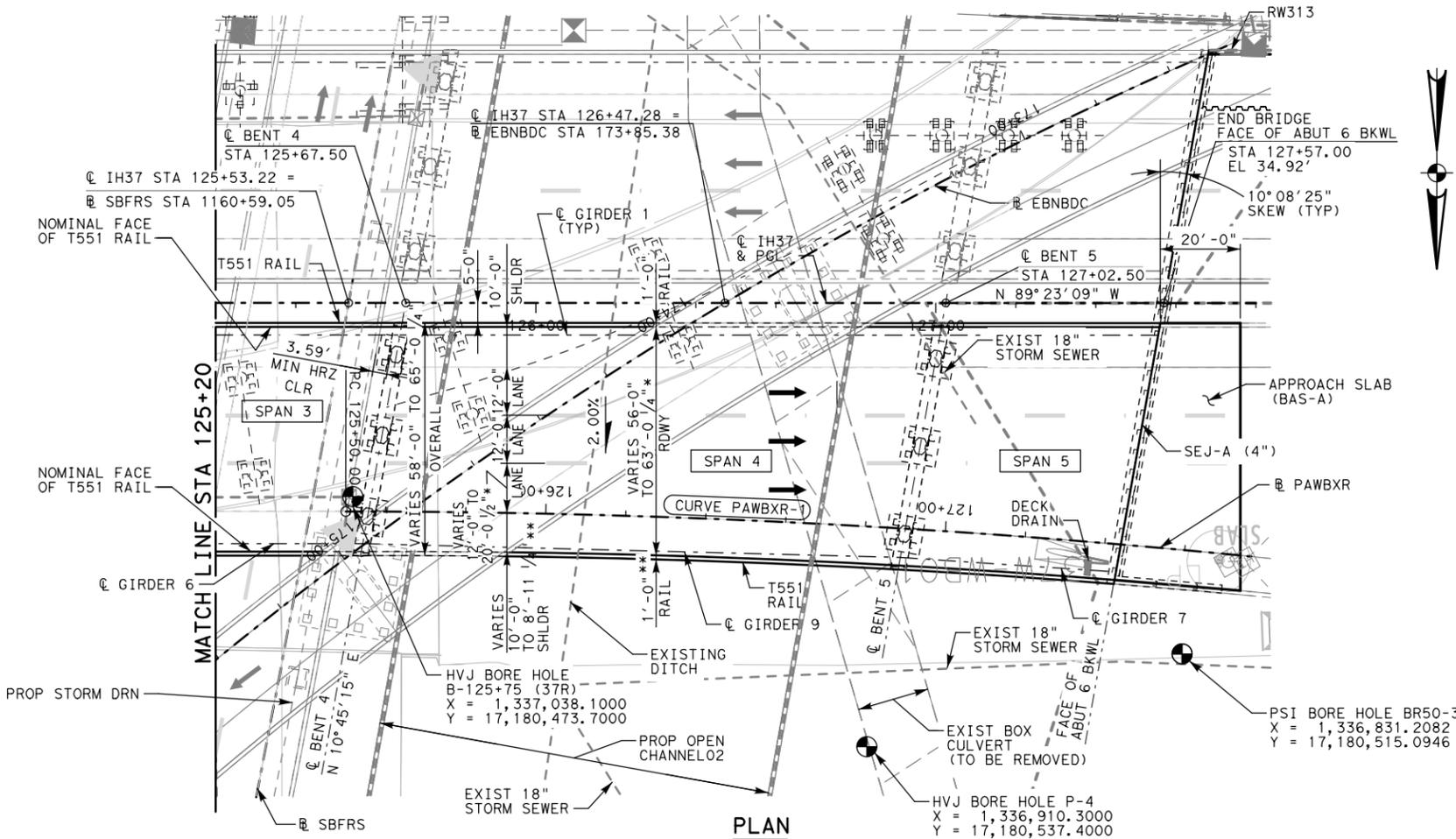
NOTES:

- SEE SHEET 1 OF 2 FOR NOTES.
- FOR BRIDGE DECK DRAIN DETAILS, SEE PACKAGE 3 DRAINAGE.

* NORMAL TO C IH37
 ** NORMAL TO C PAWBXR

LEGEND

- PROP DRAINAGE INLET
- PROP DRAINAGE INLET W/GRATE
- PROP TRAFFIC ILLUM JUNCTION BOX
- PROP TRAFFIC ILLUM GB
- PROPOSED TRAFFIC FLOW
- BORE HOLE
- FLUME
- EXISTING FOUNDATION
- TRAFFIC ILLUMINATION



HYDRAULIC DATA

$Q_{50} = 1,825$ CFS	$Q_{100} = 2,127$ CFS
$V_{50} = 2.10$ FPS	$V_{100} = 2.30$ FPS
$EL_{50} = 8.87'$	$EL_{100} = 9.72'$

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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

**US 181 HARBOR BRIDGE
 BRIDGE LAYOUT**

**IH 37 NBML OVERPASS AT
 US 181 ML, NBFR, & SBFR
 BRIDGE 5A**

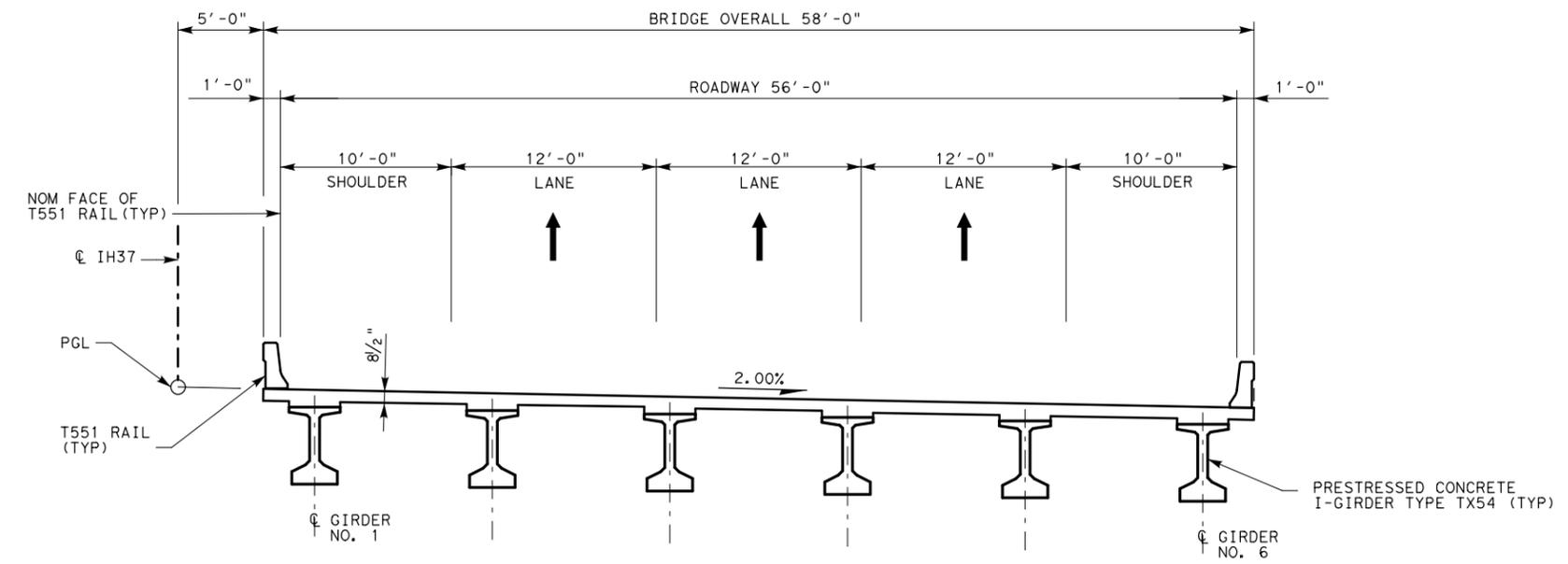
SCALE: 1" = 40'-0" SHEET 2 OF 2

DESIGN	SS	FED. RD. DIV. NO.	6	FEDERAL AID PROJECT NO.	HPX597 (1)	HIGHWAY NO.	IH 37
GRAPHICS	JG	STATE	TEXAS	DISTRICT	CRP	COUNTY	NUECES
CHECK	FF	CONTROL	0101	SECTION	06	JOB	095
CHECK	FF						RB05A 002

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NOTES:

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



TYPICAL SECTION
(SPANS 1-3)

HL-93 LOADING

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 FLATIRON/DRAGADOS LLC	 Stantec <small>Engineered by Stantec Consulting Services Inc. Texas Registered Engineering Firm F-6324</small>
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US 181 HARBOR BRIDGE
TYPICAL SECTION

IH 37 NBML OVERPASS AT
US 181 ML, NBFR, & SBFR
BRIDGE 5A

SCALE: 1" = 10'-0" SHEET 1 OF 2

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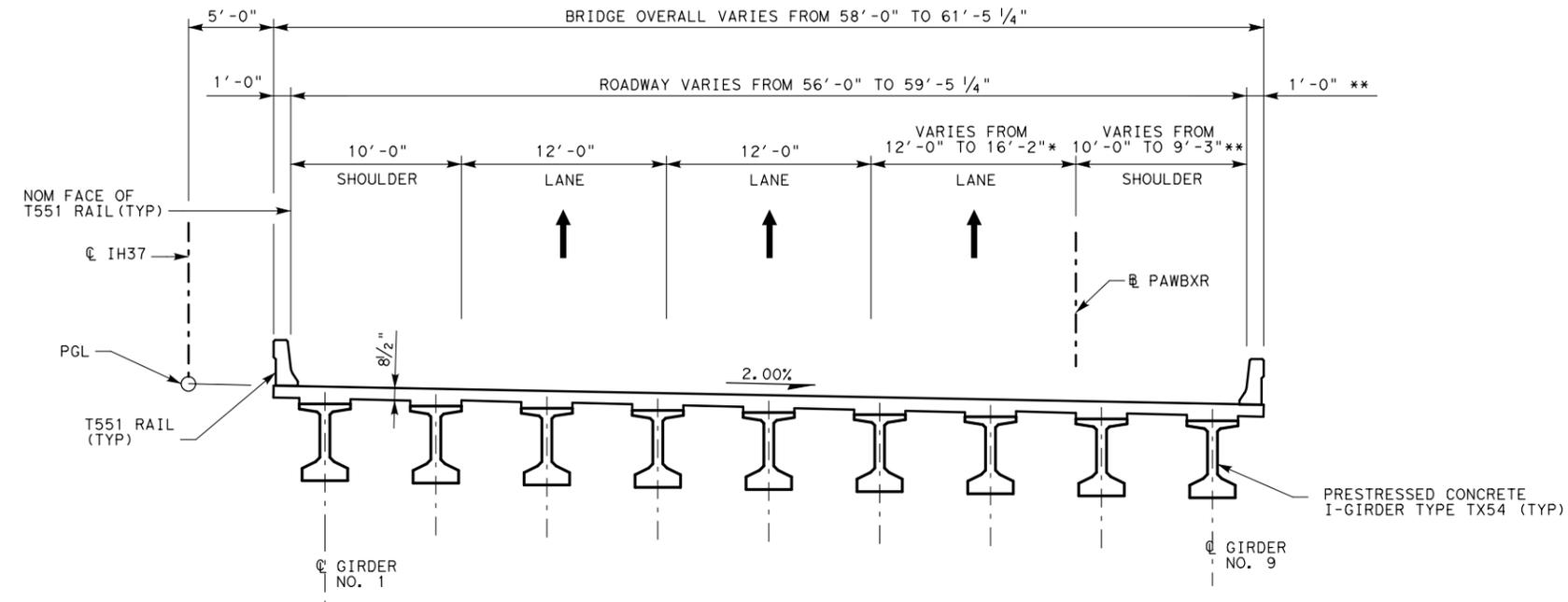
DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
SS	6	HPX597 (1)		IH 37
GRAPHICS	JG	STATE	DISTRICT	COUNTY
CHECK	FF	TEXAS	CRP	NUECES
CHECK	FF	CONTROL	SECTION	JOB
		0101	06	095

RB05A
003

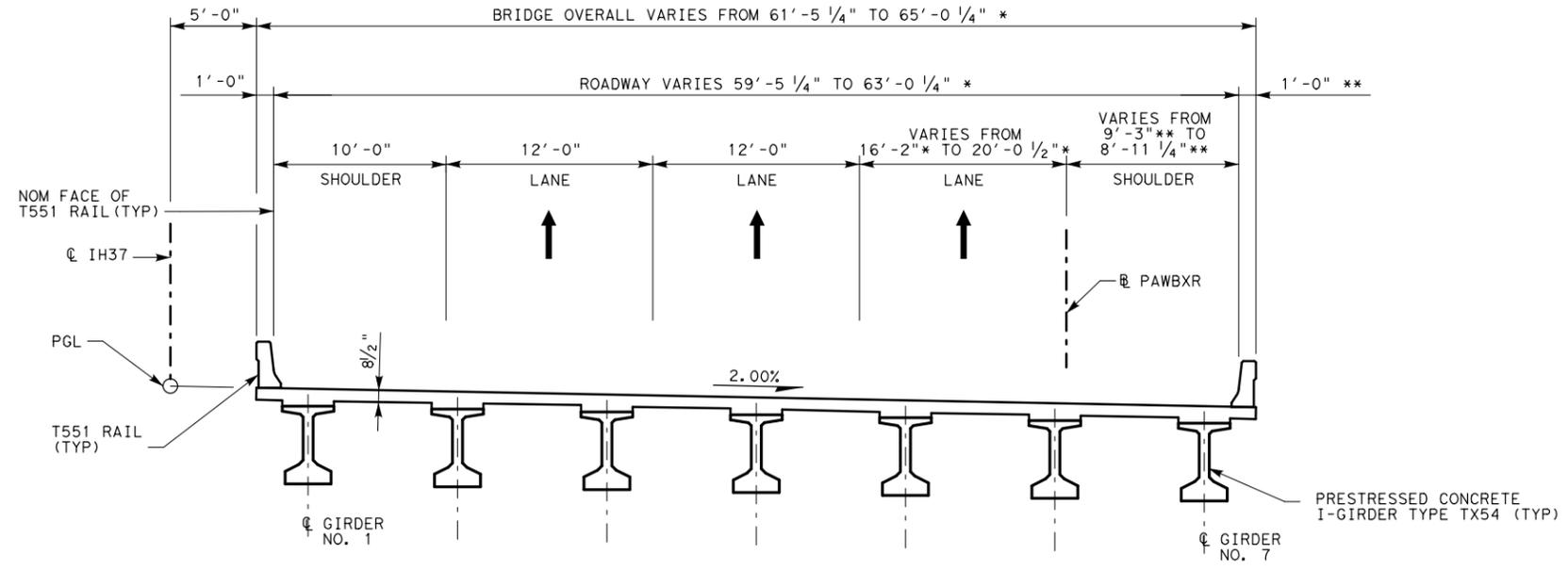
NOTES:

- SEE SHEET 1 OF 2 FOR GENERAL NOTES.

* NORMAL TO ϕ IH37.
 ** NORMAL TO ϕ PAWBXR.



TYPICAL SECTION
(SPAN 4)



TYPICAL SECTION
(SPAN 5)

HL-93 LOADING

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

Stantec



US 181 HARBOR BRIDGE
TYPICAL SECTION
 IH 37 NBML OVERPASS AT
 US 181 ML, NBFR, & SBFR
 BRIDGE 5A

SCALE: 1" = 10'-0" SHEET 2 OF 2

DESIGN SS	FED. RD. DIV. NO. 6	FEDERAL AID PROJECT NO. HPX597 (1)		HIGHWAY NO. IH 37
GRAPHICS JG	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK FF	TEXAS	CRP	NUECES	RB05A
CHECK FF	CONTROL	SECTION	JOB	004
	0101	06	095	

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