

DESIGN DATA

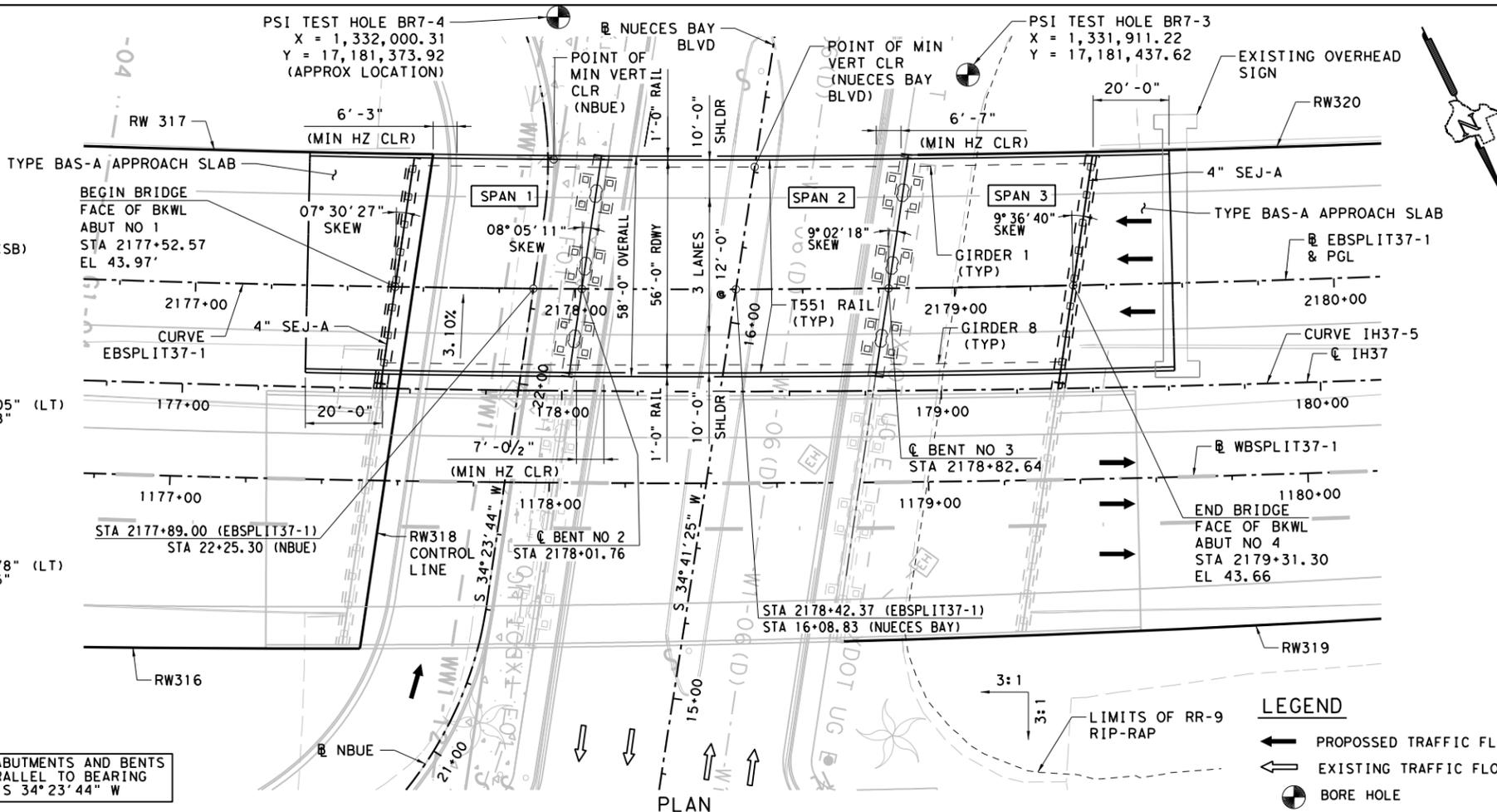
EX NBI NO 16-178-0074-06-071 (SB)
 NBI NO XX-XXX-XXXXXX-XXX
 FUNC CLASS: MAINLINES

DESIGN SPEED: 55 MPH
 ADT: BRIDGE 9B
 (2023) = 27410
 (2035) = 32150

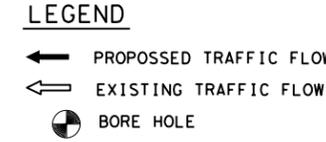
CURVE IH37-5
 P.I. STATION = 185+81.56
 DELTA = 31°55'03.05" (LT)
 DEGREE = 1°10'37.88"
 TANGENT = 1,386.94
 LENGTH = 2,701.77
 RADIUS = 4,850.00
 P.C. STATION = 171+94.62
 P.T. STATION = 198+96.38

CURVE EBSPLIT37-1
 P.I. STATION = 2180+33.22
 DELTA = 19°51'06.78" (LT)
 DEGREE = 1°10'37.16"
 TANGENT = 851.87
 LENGTH = 1,686.67
 RADIUS = 4,868.00
 P.C. STATION = 2171+81.34
 P.T. STATION = 2188+68.01

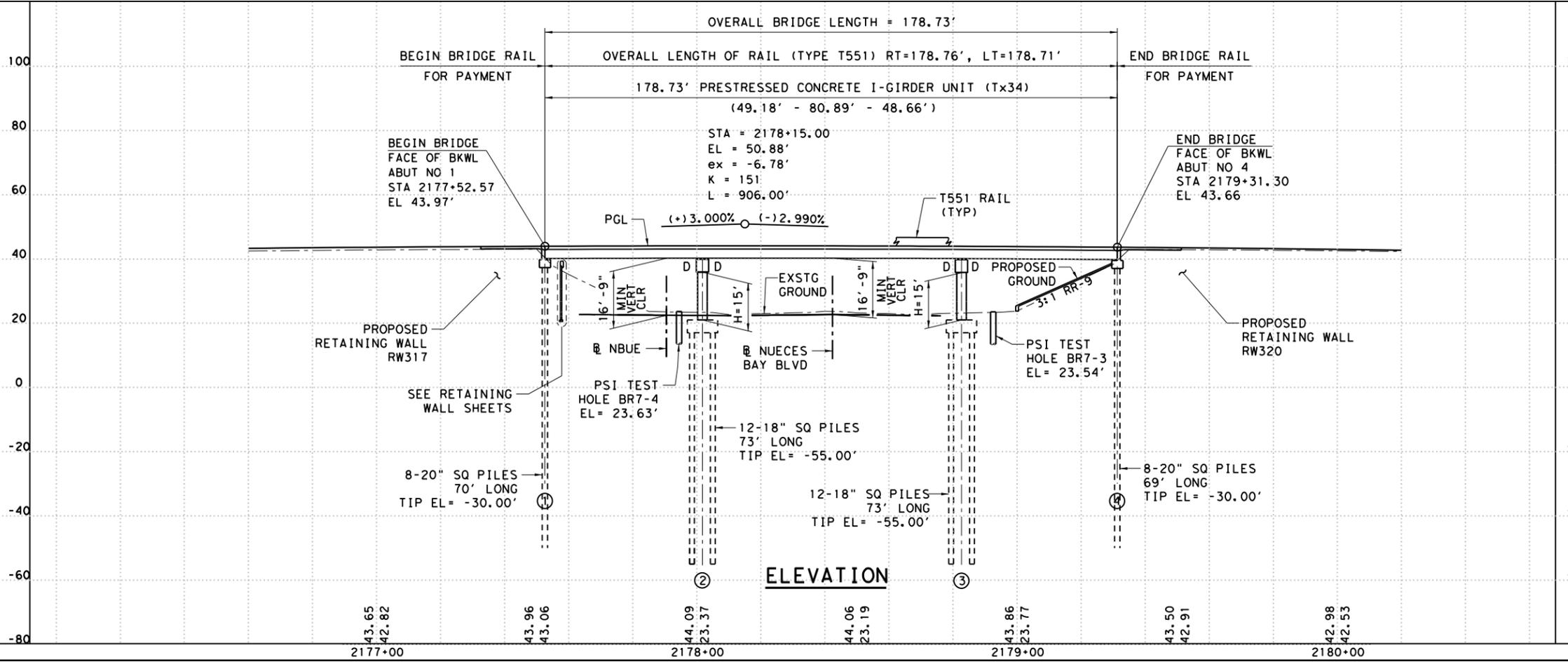
ALL ABUTMENTS AND BENTS
 PARALLEL TO BEARING
 S 34°23'44" W



- NOTES:**
- FOR GENERAL NOTES, SEE "GENERAL NOTES" SHEETS.
 - ROADWAY HORIZONTAL AND VERTICAL GEOMETRY, WIDTH, SUPERELEVATION, TRAFFIC DIRECTION, EXISTING GROUND LINE, PROPOSED GROUND LINE, AND RIGHT OF WAY DATA PROVIDED BY STANTEC. 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 CONDITIONS.
 - FOR CONCRETE GIRDER SPANS, "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 SECTION.
 - SEE "BORING LOG DATA" SHEET FOR BORING LOG INFORMATION.
 - SEE "FOUNDATION LAYOUT" SHEET FOR DRAINAGE AND UTILITY INFORMATION.
 - SOIL EXPLORATION DATA AND PILE TIP ELEVATION PROVIDED BY PSI.
 - BRIDGE NOT DESIGNED FOR OVERLAY LOAD.
 - SEE "ROADWAY ILLUMINATION" SHEETS FOR UNDERPASS LIGHT FIXTURE DETAILS.
 - EXISTING STRUCTURE NOT SHOWN. SEE "FOUNDATION LAYOUT" SHEET.
 - SEE SIGNAGE SHEETS FOR SIGN LOCATIONS AND BRIDGE MOUNT DETAILS.



FILE: c:\pwworking\stntec\dms76182\09BHRBL01.dgn
 DATE: 7/21/2017 TIME: 3:40:30 PM USER: dkucjz



FIGG BRIDGE ENGINEERS, 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:

CESAR FERNANDES 98112 07/24/2017
 TBPE FIRM #F-4883 P.E. NO. DATE

NO.	DATE	REVISION	APPROVED

FLATIRON DRAGADOS LLC

FIGG
 TBPE, FIRM # F-4883

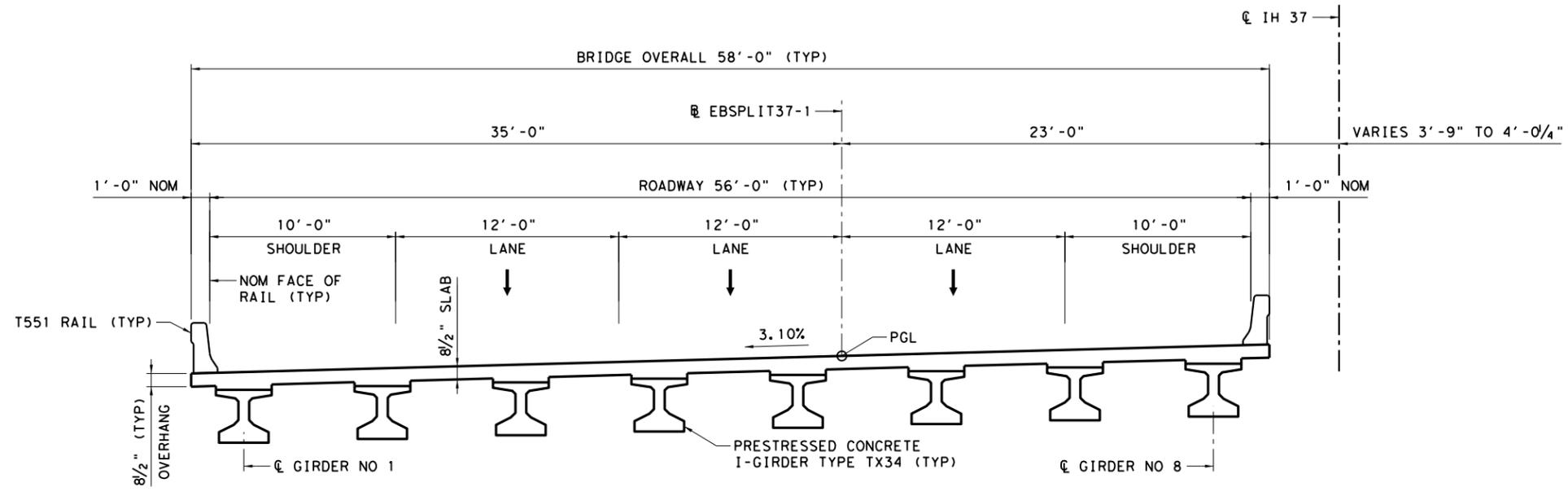
Texas Department of Transportation

**US 181 HARBOR BRIDGE
 BRIDGE LAYOUT**

**IH 37 SBML OVERPASS
 AT NUECES BAY BLVD
 BRIDGE 9B**

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

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	HIGHWAY NO.
DMS	X	(See Title Sheet)	IH 37
GRAPHICS	STATE	DISTRICT	COUNTY
SGF	TEXAS	CRP	NUECES
CHECK	CONTROL	SECTION	JOB
DAK	0101	06	095
CHECK			
CF			



TYPICAL RADIAL SECTION
(SPANS 1-3)

- NOTES:**
- FOR GENERAL NOTES, SEE "GENERAL NOTES" SHEETS.
 - DIMENSIONS MEASURED RADIALLY TO @ EBSPLIT37-1 AT THE INTERSECTION OF THE @ SUBSTRUCTURE COMPONENTS AND THE EBSPLIT37-1 ALIGNMENT.

LEGEND
← PROPOSED TRAFFIC FLOW

HL-93 LOADING

NO.	DATE	REVISION	APPROVED

 FLATIRON DRAGADOS LLC	 FIGG <small>TBPE, FIRM # F-4883</small>
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US 181 HARBOR BRIDGE
TYPICAL SECTION

IH 37 SBML OVERPASS
AT NUECES BAY BLVD
BRIDGE 9B

SCALE: 1/8" = 1'-0" SHEET 1 OF 1

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DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
DMS	X	(See Title Sheet)		IH 37
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
SGF	TEXAS	CRP	NUECES	RB9B
CHECK	CONTROL	SECTION	JOB	002
DAK	CF	0101	06	095