

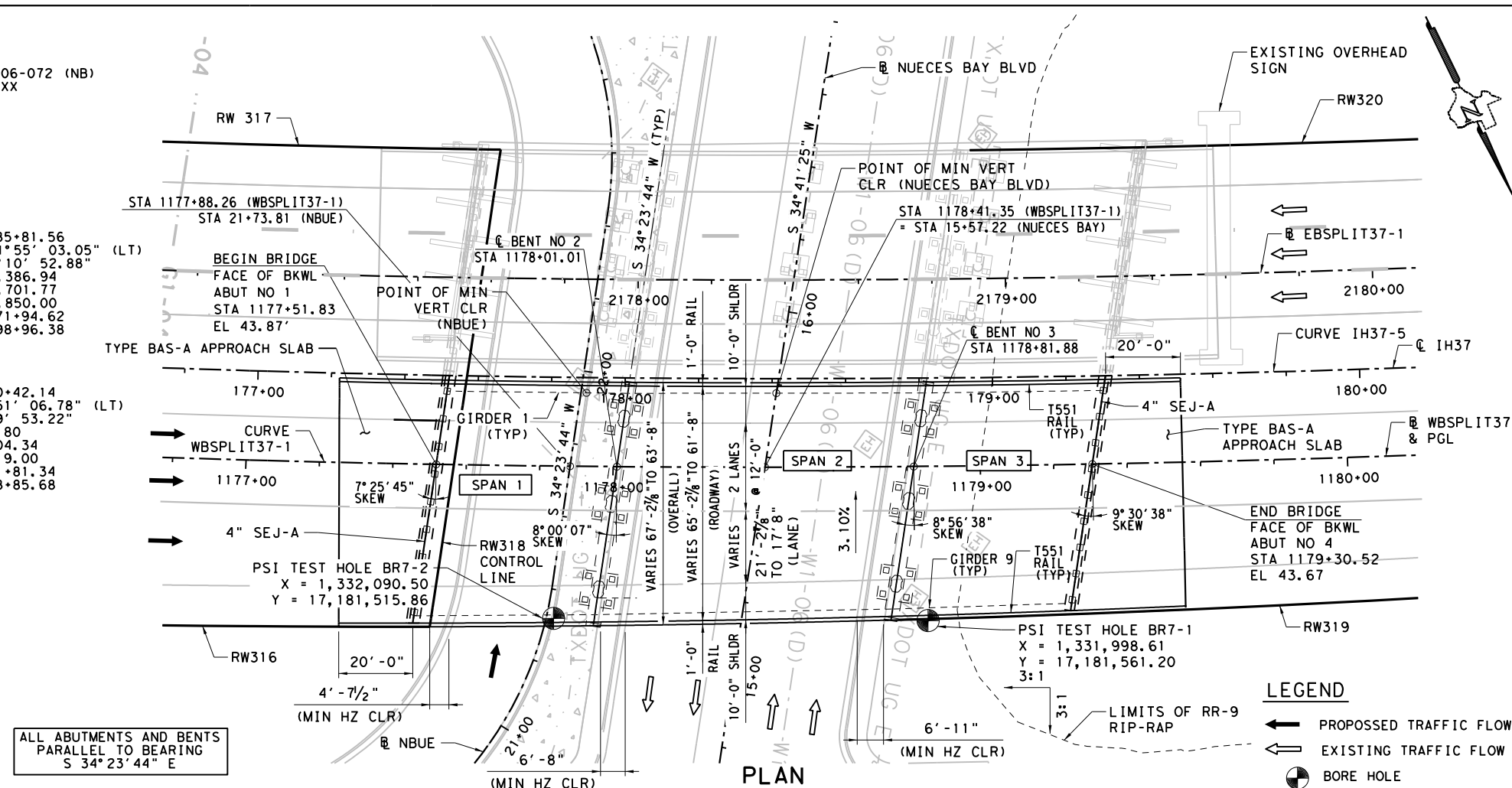
DESIGN SPEED: 55 MPH
ADT: BRIDGE 9A
(2023) = 23670
(2035) = 27460

CURVE	1H37-5		
P. I.	STATION		185+81.56
DELTA	=	31°55'	03.05" (LT)
DEGREE	=	1°10'	52.88"
TANGENT	=	1,386.94	
LENGTH	=	2,701.77	
RADIUS	=	4,850.00	
P. C.	STATION		171+94.62
P. T.	STATION		198+96.38

```

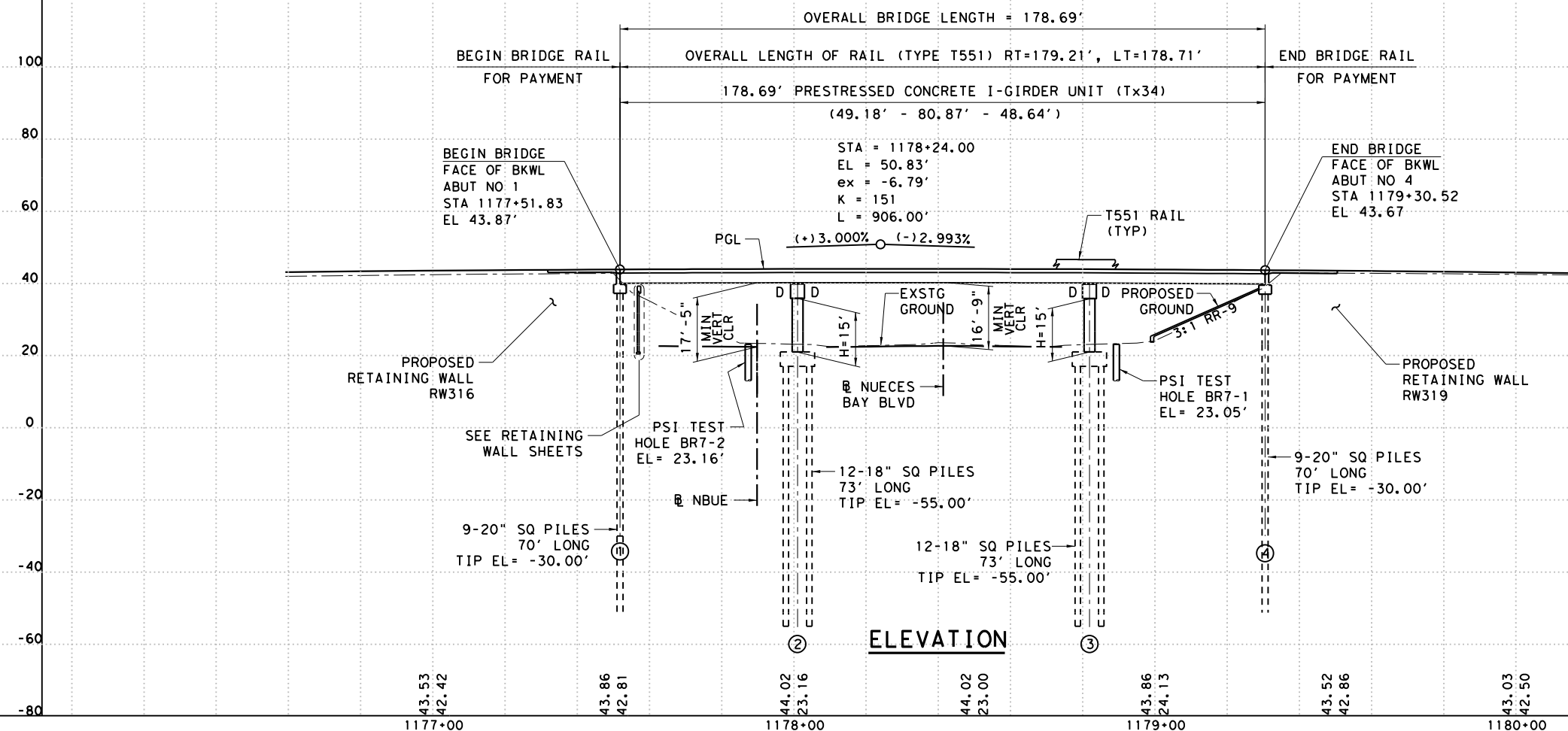
CURVE WBSPLIT37-1
P. I. STATION      1180+42.14
DELTA              = 19°51' 06.78" (LT)
DEGREE             = 1 09' 53.22"
TANGENT            = 860.80
LENGTH            = 1,704.34
RADIUS             = 4,919.00
P. C. STATION      1171+81.34
P. T. STATION      1188+85.68

```




- NOTES:
1. FOR GENERAL NOTES, SEE "GENERAL NOTES" SHEETS.
 2. 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.
 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 CONDITIONS.
 6. FOR CONCRETE GIRDER SPANS, "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" SHEET FOR TYPICAL SECTION.
 10. SEE "BORING LOG DATA" SHEETS FOR BORING LOG INFORMATION.
 11. SEE "FOUNDATION LAYOUT" SHEETS FOR DRAINAGE AND UTILITY INFORMATION.
 12. SOIL EXPLORATION DATA AND PILE TIP ELEVATION PROVIDED BY PSI.
 13. BRIDGE NOT DESIGNED FOR OVERLAY LOAD.
 14. SEE "ROADWAY ILLUMINATION" SHEETS FOR UNDERPASS LIGHT FIXTURE DETAILS.
 15. EXISTING STRUCTURE NOT SHOWN. SEE "FOUNDATION LAYOUT" SHEET.
 16. SEE SIGNAGE SHEETS FOR SIGN LOCATIONS AND BRIDGE MOUNT DETAILS.

HL-93 LOADING



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

NO.	DATE	REVISION APPROVED



Texas Department of Transportation®²⁰¹⁷

US 181 HARBOR BRIDGE
BRIDGE LAYOUT
IH 37 NBML OVERPASS
AT NUECES BAY BLVD
BRIDGE 9A

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

0.	DESIGN DMS	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
	GRAPHICS SGF	X	(See Title Sheet)		IH 37
0.	CHECK DAK	STATE	DISTRICT	COUNTY	SHEET NO.
	CHECK DAK	TEXAS	CRP	NUECES	RB9A
	CF	CONTROL	SECTION	JOB	001

FILE: c:\pw*online\stntec\dms76181\09AHRBL01.dgn
DATE: 7/21/2017 TIME: 10:27:55 AM USER: dkucZ

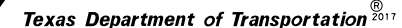
PRELIMINARY NOT FOR CONSTRUCTION, JULY 2017



1. FOR GENERAL NOTES, SEE "GENERAL NOTES" SHEETS.

2. DIMENSIONS MEASURED RADIALLY TO \odot WBSPLIT37-1
AT THE INTERSECTION OF THE \odot SUBSTRUCTURE COMPONENTS
AND THE WBSPLIT37-1 ALIGNMENT.

← PROPOSED TRAFFIC FLOW



IH 37 NBML OVERPASS
AT NUECES BAY BLVD
BRIDGE 9A

SHEET 1 OF 1

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
DMS	X	(See Title Sheet)		IH 3
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
SGF	TEXAS	CRP	NUECES	RB9A 002
CHECK DAK	CONTROL	SECTION	JOB	
CHECK CF	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:

CESAR FERNANDES 98112 07/24/2017