

FILE: c:\pw*on\line\stantec\dms98103\07*HBR*Index.dgn
DATE: 4/7/2017 TIME: 1:47:47 PM USER: \$USER\$

INDEX OF SHEETS

SHEET NODESCRIPTION

BRIDGE 07 (RB07)

(IH 37 ML OVERPASS AT PORT AVENUE)

001-003	BRIDGE LAYOUT
004-005	TYPICAL SECTION
006-008	FOUNDATION LAYOUT
009-014	BORING LOG DATA
015	BEARING SEAT ELEVATION
016	FOUNDATION DETAILS
017-020	ABUTMENT NO 1 DETAILS
021-025	ABUTMENT NO 6 DETAILS
026-028	INTERIOR BENTS NO 2-4 DETAILS
029-032	INTERIOR BENTS NO 5 DETAILS
033-036	INTERIOR BENTS NO 2-5 DETAILS
037-038	GIRDER LAYOUT (SPANS 1-2)
039-040	GIRDER LAYOUT (SPANS 3-5)
041	274.00' PRESTRESSED CONCRETE I-GIRDER UNIT (SPANS 1-2)
042	280.00' PRESTRESSED CONCRETE I-GIRDER UNIT (SPANS 3-4)
043	53.00' PRESTRESSED CONCRETE I-GIRDER UNIT (SPAN 5)
044	SLAB DETAILS (SPAN 1)
045	SLAB DETAILS (SPANS 2-4)
046	SLAB DETAILS (SPAN 5)
047	PRESTRESSED CONCRETE I-GIRDER DESIGNS (NON STANDARD SPANS)

PRELIMINARY NOT FOR CONSTRUCTION, APRIL 2017

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

INDEX OF SHEETS

IH 37 ML OVERPASS
AT PORT AVENUE
BRIDGE 7

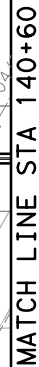
SCALE: SHEET 1 OF 1

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	RBG 001
CHECK	CONTROL	SECTION	JOB	
	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:

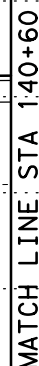
NICK N NIKPOUR 122413 04/07/2017
TBPE FIRM #F-6324 P.E. NO. DATE



- DESIGN DATA

DESIGN SPEED:
ADT: BRIDGE 7
(2015) =
(2035) =

← PROPOSED TRAFFIC FLOW BORE HOLE



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:

HL-93 LOADING



FLATIRON/Dragados LLC



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



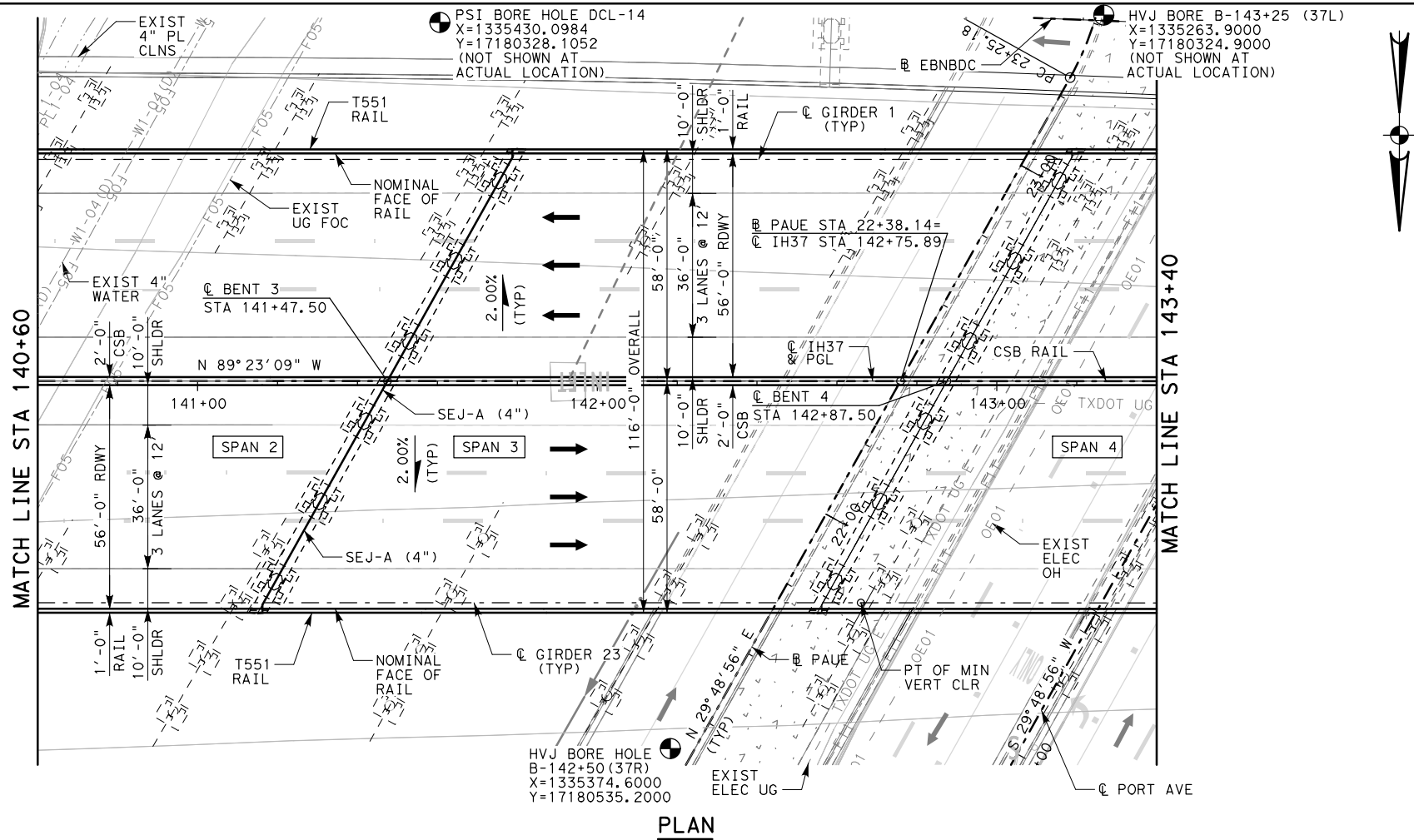
US 181 HARBOR BRIDGE BRIDGE LAYOUT

IH 37 ML OVERPASS
 AT PORT AVENUE
 BRIDGE 7

SCALE: 1"=40'-0" SHEET 1 OF 3

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
GRAPHICS	6	HPX597 (1)		1H 37
	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK	TEXAS	CRP	NUECES	RB07 001
CHECK	CONTROL	SECTION	JOB	
	0101	06	095	

FILE: c:\pwworking\stntec\dms98103\07*HBR*BL\$02.dgn
DATE: 4/7/2017 TIME: 1:48:38 PM USER: \$USER\$

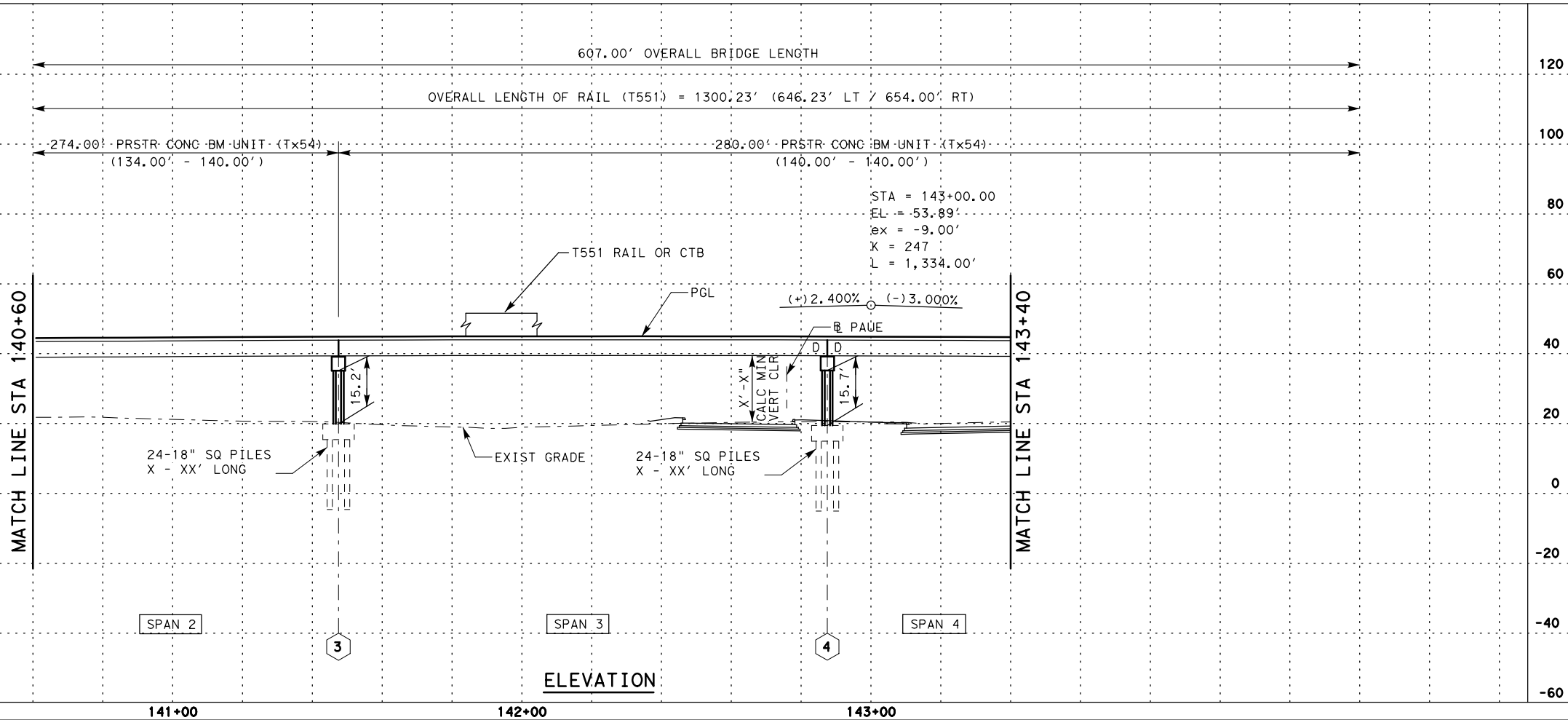


PLAN

LEGEND

← PROPOSED TRAFFIC FLOW

● BORE HOLE



ELEVATION

NOTES:

- SEE BRIDGE LAYOUT SHEET 1 OF 3 FOR ADDITIONAL NOTES.

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

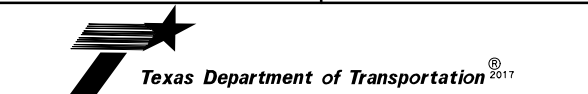
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT
INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING
OR CONSTRUCTION PURPOSES. THEY WERE PREPARED
BY OR UNDER THE SUPERVISION OF:

NICK N NIKPOUR 122413 04/07/2017
TBPE FIRM #F-6324 P.E. NO. DATE

HL-93 LOADING

NO.	DATE	REVISION	APPROVED



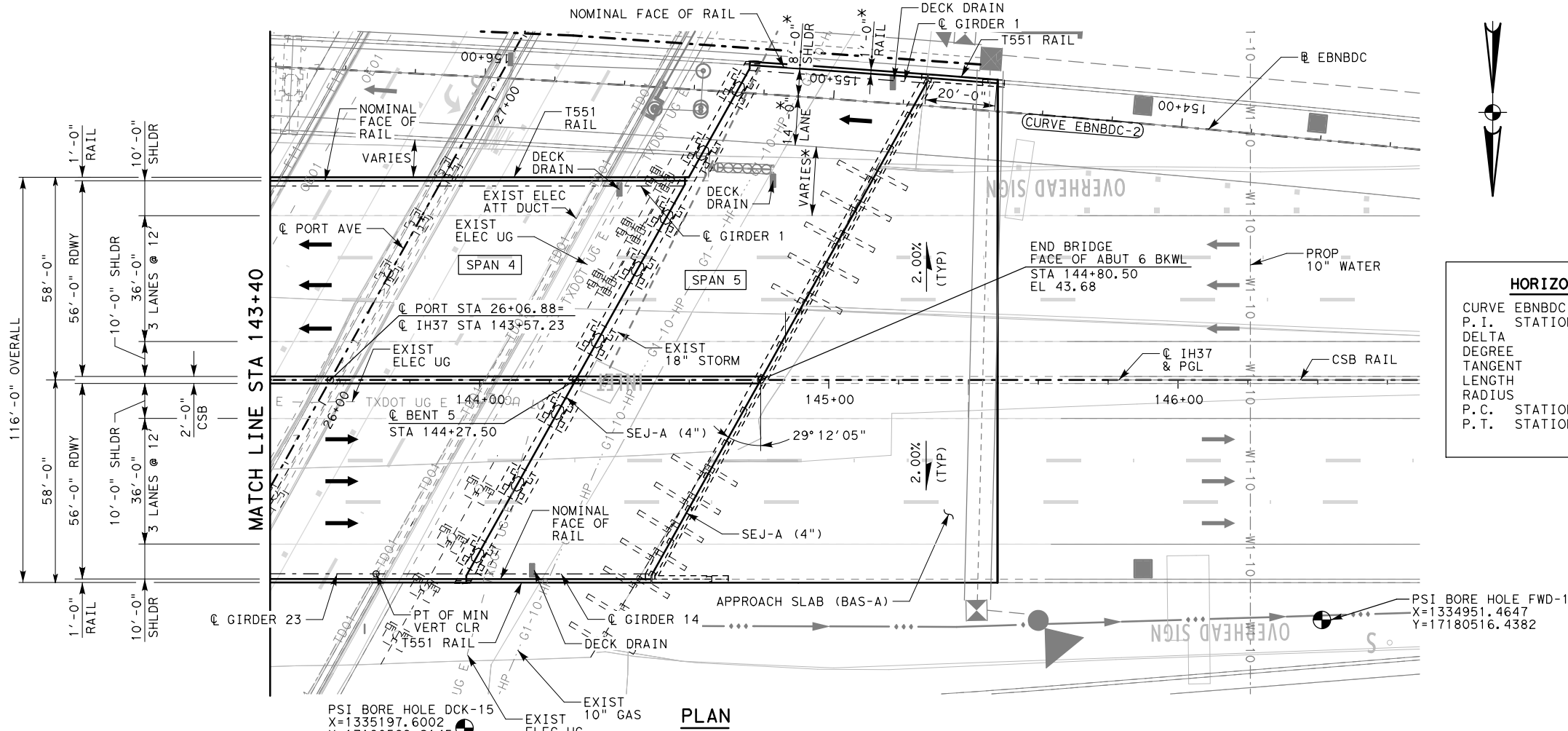


US 181 HARBOR BRIDGE
BRIDGE LAYOUT
IH 37 ML OVERPASS
AT PORT AVENUE
BRIDGE 7

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

PRELIM NOT FOR CONSTRUCTION, APRIL 2017

FILE: c:\pwworking\stntec\stntec\dms98103\07*HBR*BL S*03.dgn
DATE: 4/7/2017 TIME: 1:48:50 PM USER: \$USER\$



NOTES:

- SEE BRIDGE LAYOUT SHEET 1 OF 3 FOR ADDITIONAL NOTES.

* MEASURED PERPENDICULAR TO THE EBNBDC

DESIGN DATA

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

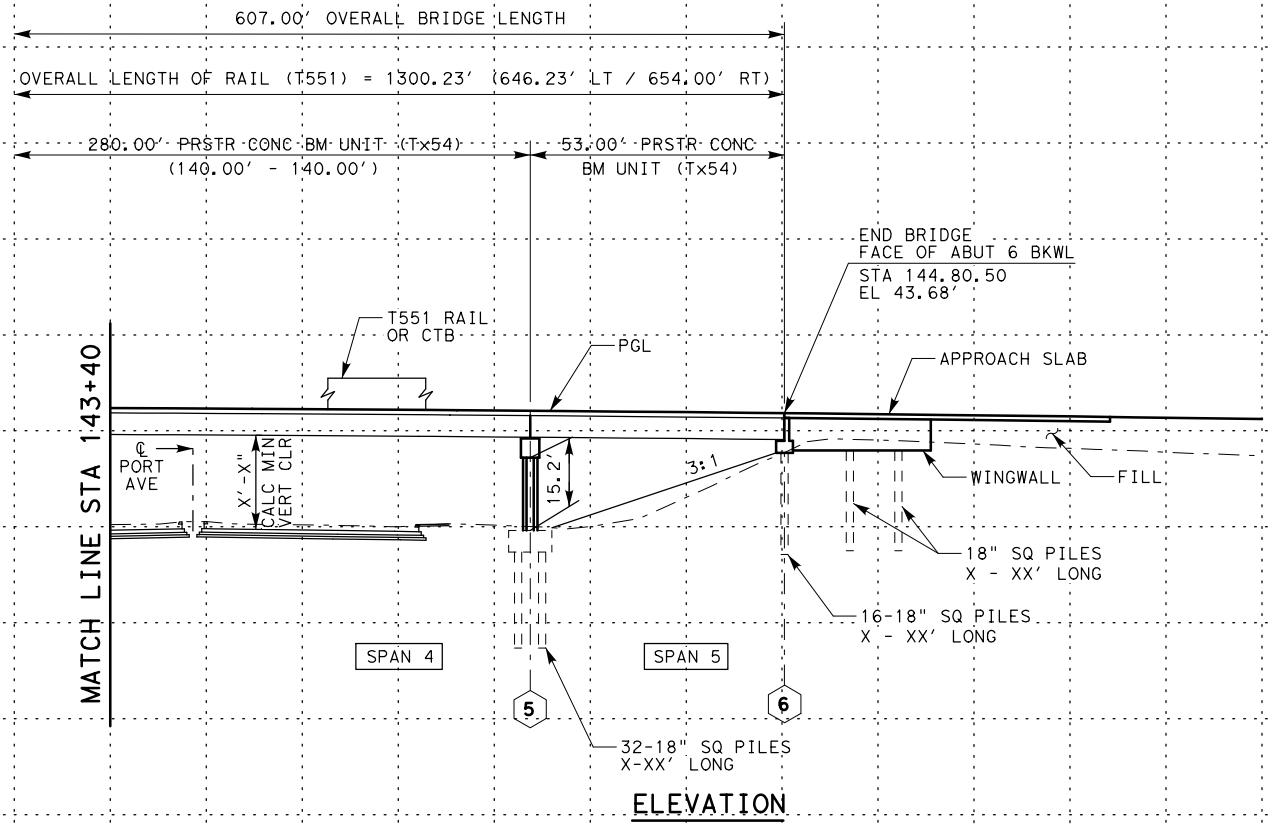
DESIGN SPEED:
ADT: BRIDGE 7A
(2015) =
(2035) =

HORIZONTAL CURVE DATA	
CURVE EBNBDC-2	
P.I. STATION	155+93.30
DELTA	5° 48' 10"
DEGREE	1° 00' 00"
TANGENT	290.39'
LENGTH	580.27'
RADIUS	5729.58'
P.C. STATION	153+02.92
P.T. STATION	158+83.19

LEGEND

➔ PROPOSED TRAFFIC FLOW

● 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 04/07/2017
TBPE FIRM #F-6324 P.E. NO. DATE

HL-93 LOADING			
NO.	DATE	REVISION	APPROVED

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

Texas Department of Transportation

US 181 HARBOR BRIDGE
BRIDGE LAYOUT

IH 37 ML OVERPASS
AT PORT AVENUE
BRIDGE 7

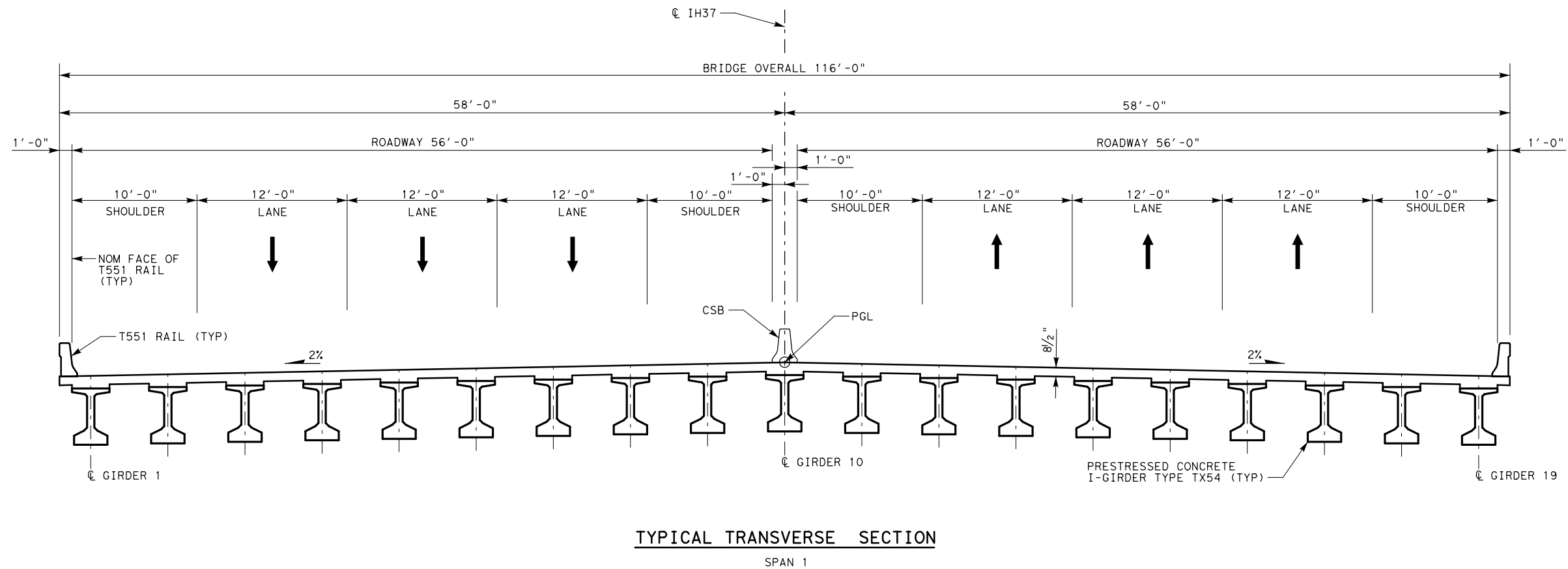
SCALE: 1"=40'-0"		SHEET 3 OF 3	
DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	HIGHWAY NO.
GRAPHICS	6	HPX597 (1)	IH 37
CHECK	STATE	DISTRICT	COUNTY
CHECK	TEXAS	CRP	NUECES
CHECK	CONTROL	SECTION	JOB
	0101	06	095

RB07

003

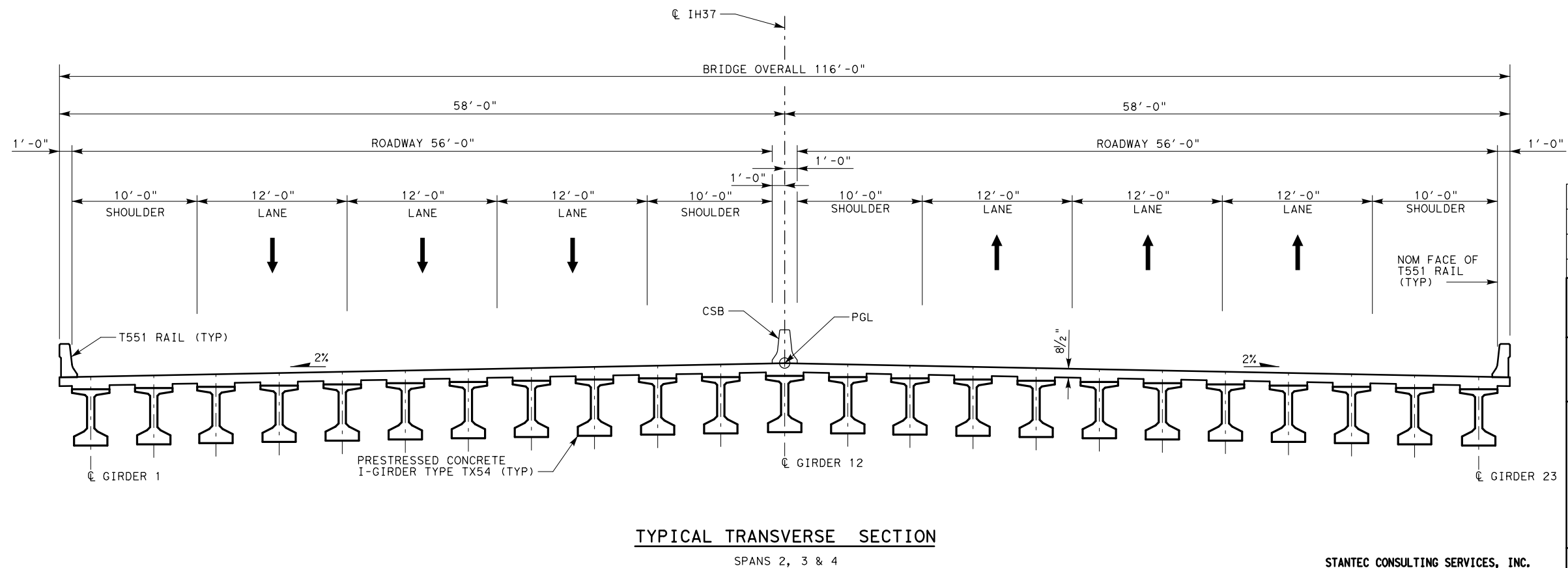
PRELIM NOT FOR CONSTRUCTION, APRIL 2017

FILE: c:\pwworking\stntec\dn98103\07*HBR*BTS*01.dgn
DATE: 4/7/2017 TIME: 1:48:58 PM USER: \$USER\$



TYPICAL TRANSVERSE SECTION

SPAN 1



TYPICAL TRANSVERSE SECTION

SPANS 2, 3 & 4

NOTES:

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

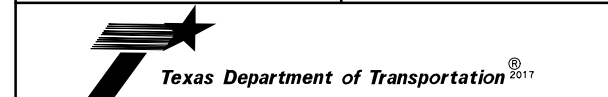
LEGEND

← 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
--	--



US 181 HARBOR BRIDGE

TYPICAL SECTION

IH 37 ML OVERPASS
AT PORT AVENUE
BRIDGE 7

SCALE: 1"=10'-0"

SHEET 1 OF 2

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

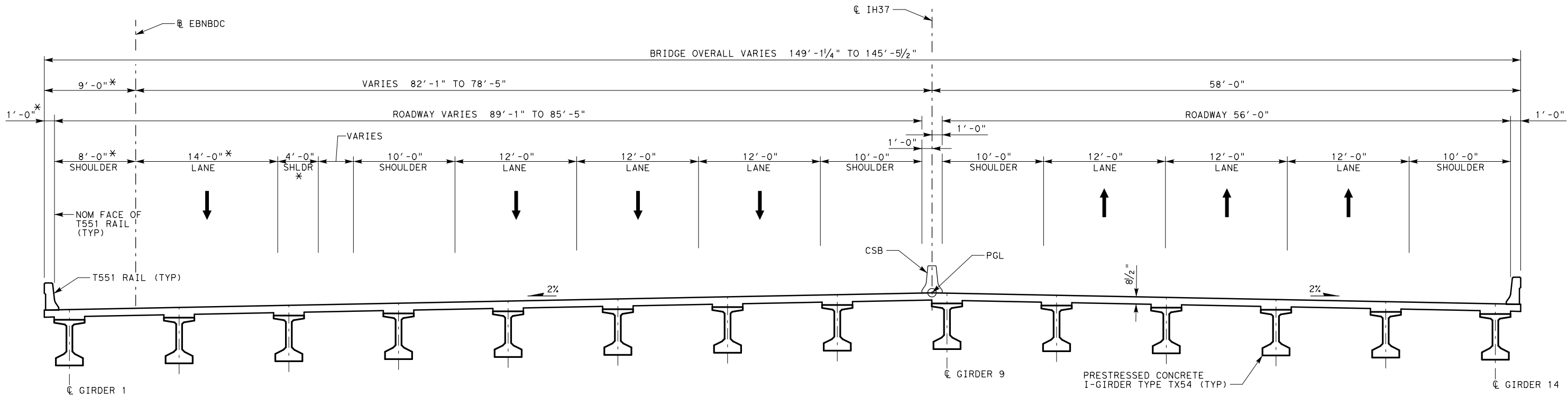
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT
INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING
OR CONSTRUCTION PURPOSES. THEY WERE PREPARED
BY OR UNDER THE SUPERVISION OF:

NICK N NIKPOUR 122413 04/07/2017
TBPE FIRM #F-6324 P.E. NO. DATE

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

PRELIMINARY NOT FOR CONSTRUCTION, APRIL 2017

FILE: c:\pwworking\stntec\stntec\dms98103\07*HBR*BTS*02.dgn
DATE: 4/7/2017 TIME: 1:49:06 PM USER: \$USER\$



TYPICAL TRANSVERSE SECTION

SPAN 5

NOTES:

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

LEGEND

← PROPOSED TRAFFIC FLOW

* MEASURED PERPENDICULAR TO THE EBNBDC

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

TYPICAL SECTION
IH 37 ML OVERPASS
AT PORT AVENUE
BRIDGE 7

SCALE: 1"=10'-0" SHEET 2 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	RB07 005
	CONTROL	SECTION	JOB	
	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 04/07/2017
TBPE FIRM #F-6324 P.E. NO. DATE

PRELIMINARY NOT FOR CONSTRUCTION, APRIL 2017