

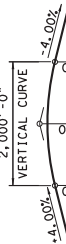
GENERAL NOTES:

1. FOR DESIGN CRITERIA AND MATERIAL NOTES, SEE GENERAL NOTES 1 THRU 14 SHEETS.
2. SEE GENERAL NOTES 15 THRU 18 SHEETS FOR TYPICAL CROSS SECTIONS.
3. BORING NOT SHOWN IN PLAN FOR CLARITY. SEE FOUNDATION LAYOUT SHEETS FOR DETAILS.
4. FOR HYDRAULIC DATA, SEE HYDRAULIC RECOMMENDATION SHEET.
5. CHANNEL DIMENSIONS SHOWN ARE MEASURED ALONG BRIDGE C/L.

NB1: NO. XX-XXX-X-XXXX-XX-XXX
DESIGN SPEED 55 MPH
ADT (2035) = 94520
ADT (2050) = 94520
ROADWAY FUNCTION = URBAN FREEWAY



09/24/18



STA = 1097+35.00
EL = 247.00'
K = 250
L = 2,000.00'



HL-93 LOADING

NO.	DATE	REVISION	APPROV.
1	9/24/18	UPDATE TRANSITION PIER LOCATION	WDP



FLATIRON/Dragados LLC

FIGG ENGINEERING

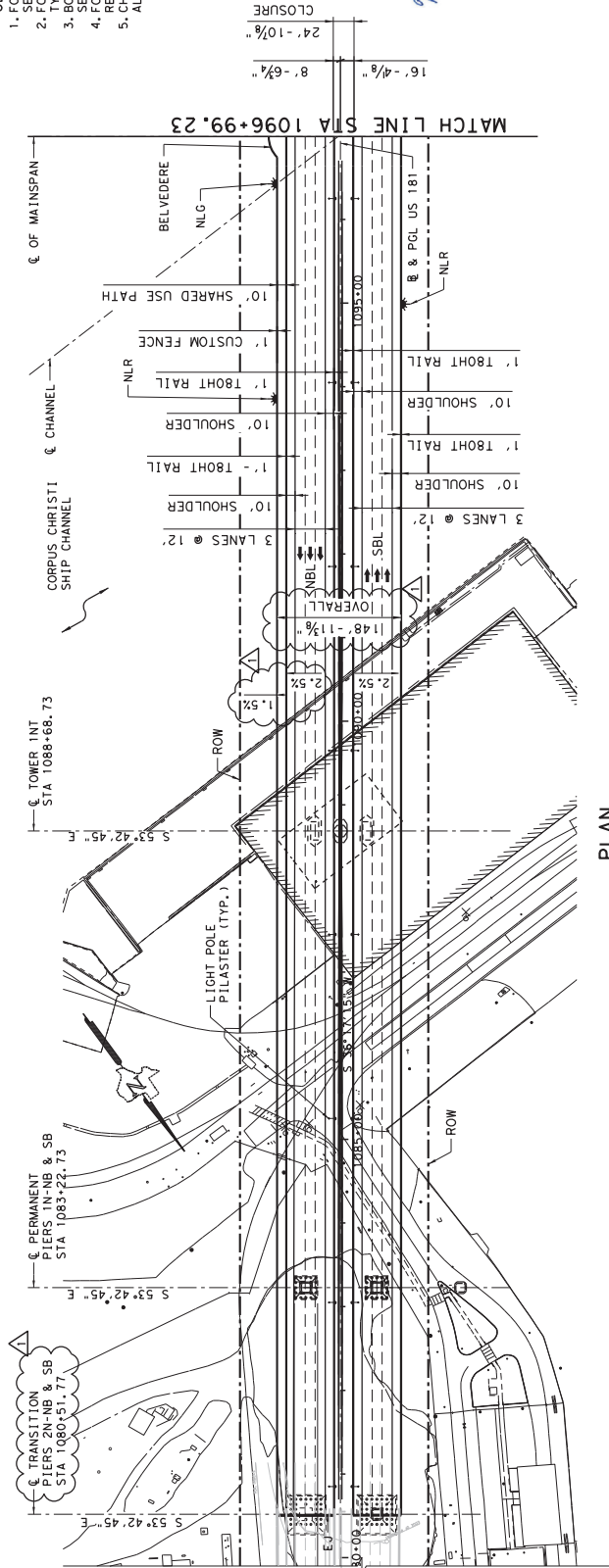
Texas Department of Transportation

US-181 HARBOR BRIDGE

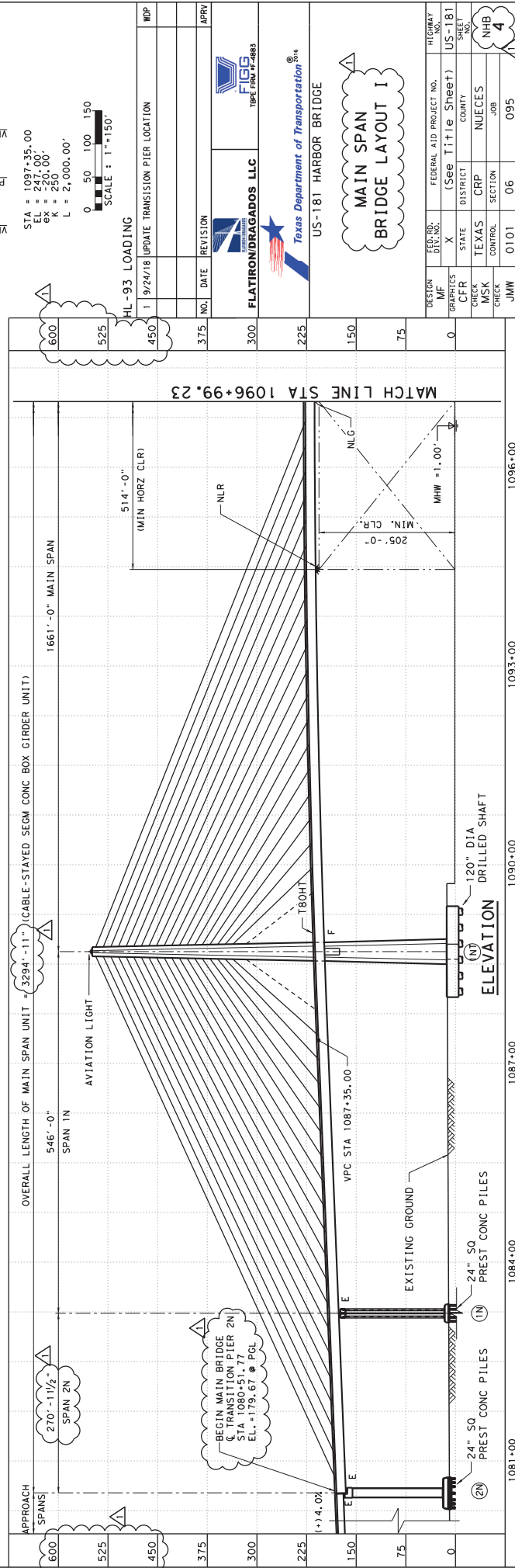
**MAIN SPAN
BRIDGE LAYOUT I**

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	HIGHWAY NO.
MF	X	(See Title Sheet)	US-181
CHECK	STATE	DISTRICT	COUNTY
MSK	TEXAS	CRP	NUCES
CHECK	CONTROL	SECTION	JOB
JMW	0101	06	095

NHB
4



PLAN



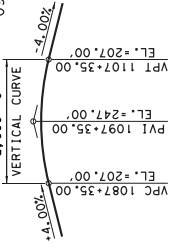
ELEVATION

GENERAL NOTES:
1. FOR GENERAL NOTES AND TRAFFIC DATA,
SEE BRIDGE LAYOUT SHEET 1.

NBL NO. XX-XXX-XXX-XX-XXX
DESIGN SPEED = 70 MPH
ADT (2015) = 53945
ADT (2035) = 94520
ROADWAY FUNCTION = URBAN FREEWAY



09/24/18



STA = 1097+35.00
EL = 247.00'
eK = 250'
L = 2,000.00'



HL-93 LOADING

1 9/24/18 UPDATE TRANSITION PIER LOCATION

APPR

NO. DATE REVISION

375

300

225

150

75

0

APPROACH SPANS

600

525

450

375

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225

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APPROACH SPANS

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APPROACH SPANS

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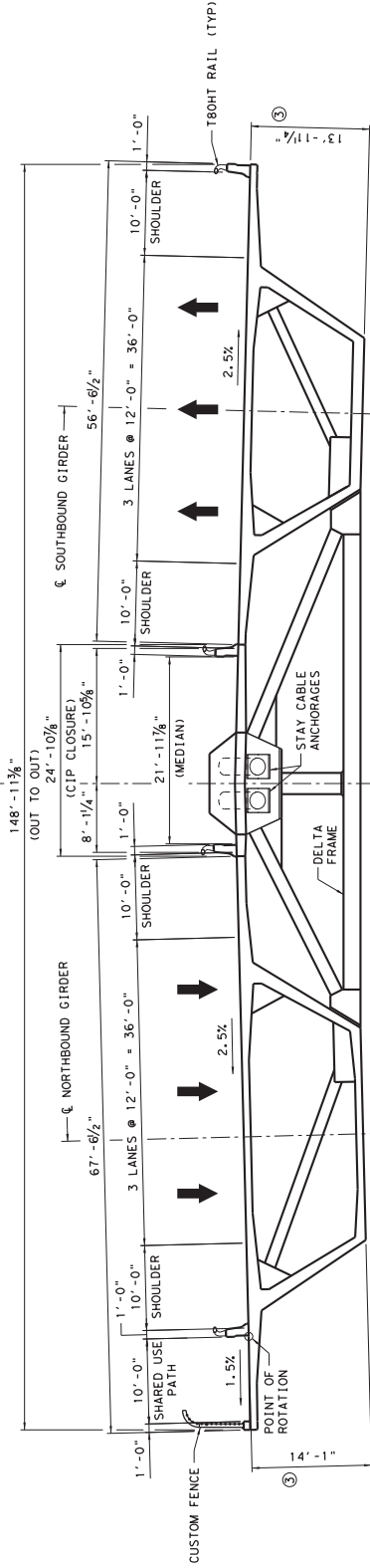
300

225

150

75

148'-11 3/4" (OUT TO OUT)



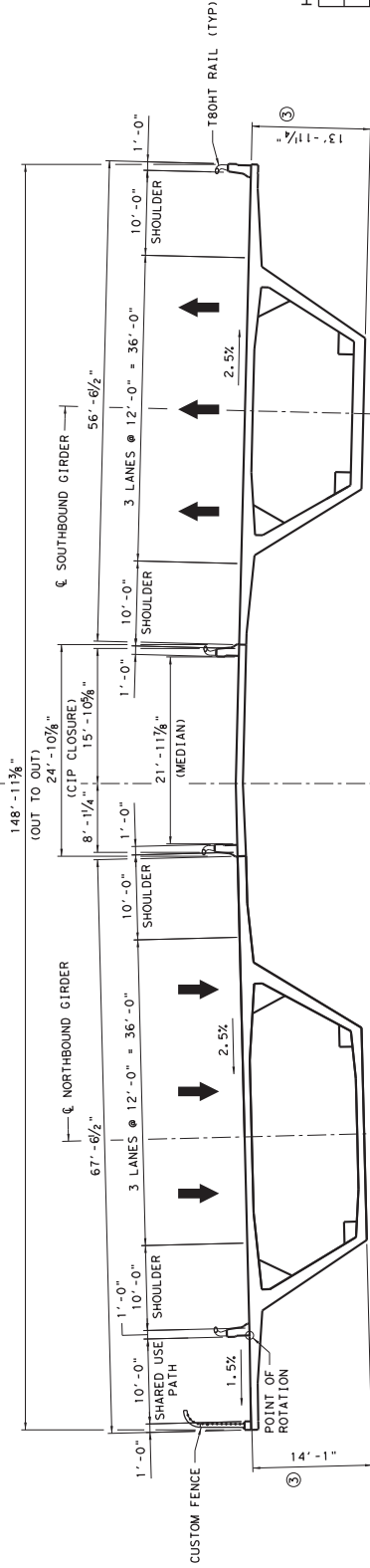
SOUTHBOUND

MAIN SPAN CROSS-SECTION AT STAY ANCHORAGES

(LOOKING UPSTATION)

NORTHBOUND

148'-11 3/4" (OUT TO OUT)

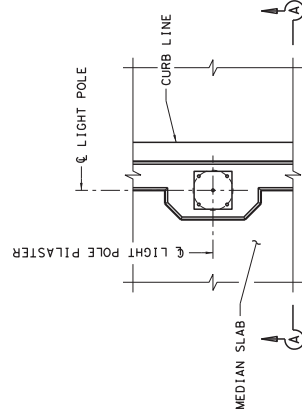


SOUTHBOUND

MAIN SPAN TYPICAL CROSS-SECTION

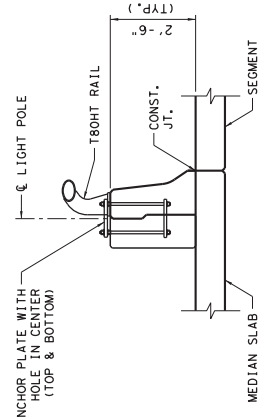
(LOOKING UPSTATION)

NORTHBOUND



PARTIAL PLAN AT LIGHT POLE PILASTER

SCALE : 1/4" = 1'-0"



SECTION A-A

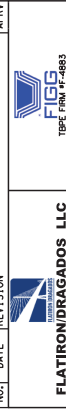
SCALE : 1/4" = 1'-0"

- NOTES:
1. FOR TRAFFIC BARRIER DETAILS, SEE T800T
 2. FOR DRAINAGE DETAILS, SEE DRAINAGE
 3. DIMENSION INCLUDES 1/2" INTEGRAL WEARING SURFACE PLUS 1/2" FOR SURFACE MILLING.

0 7.5 15
SCALE IN FEET

HL-93 LOADING

NO.	DATE	REVISION	APPROVED



US-181 HARBOR BRIDGE

MAIN SPAN TYPICAL CROSS-SECTIONS I

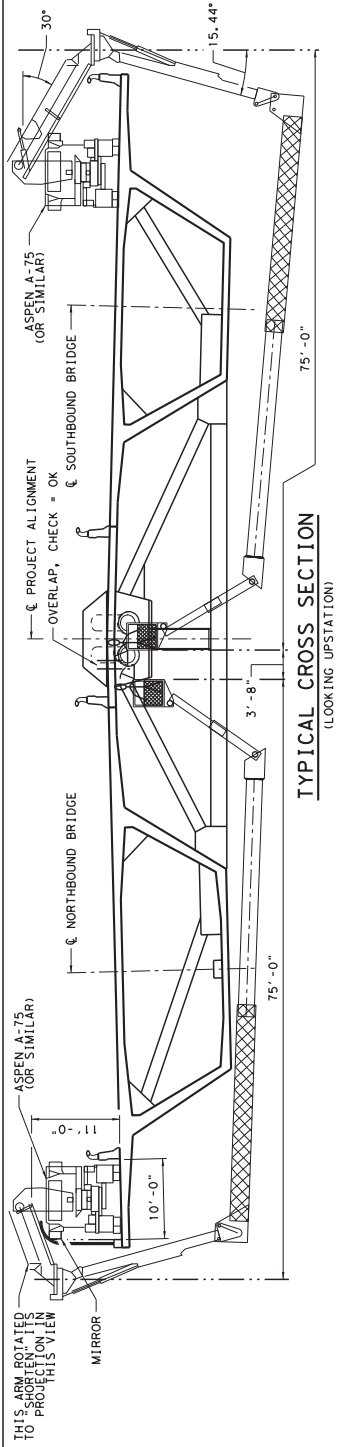
DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	HIGHWAY NO.
MF	X	(See Title Sheet)	US-181
CHECK	STATE	DISTRICT	COUNTY
MF	TEXAS	CRP	NUCES
CHECK	CONTROL	SECTION	JOB
WDP	O101	06	095

03/20/19

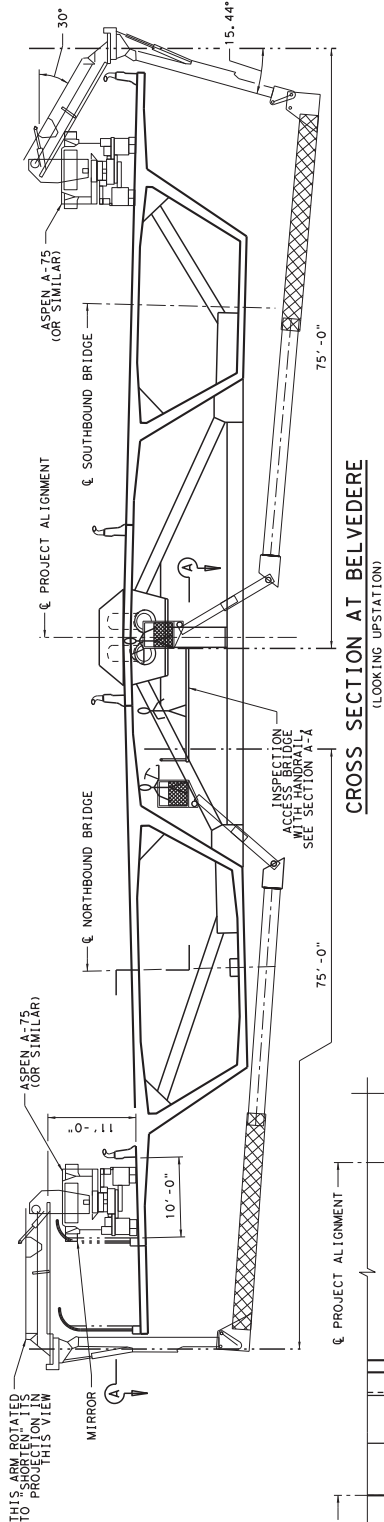


W. Denney Pate

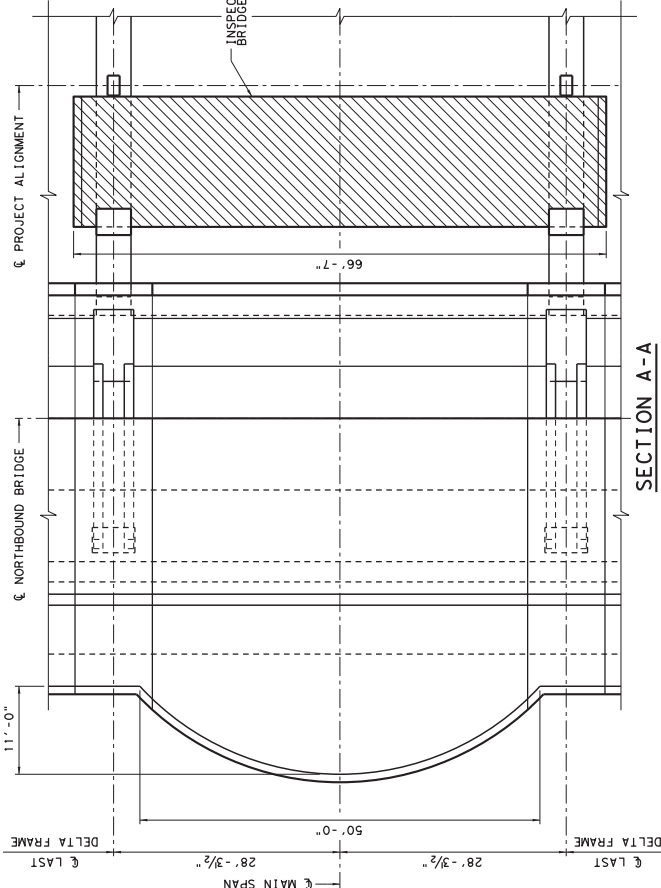
GENERAL NOTES:
1. THE CROSS SECTION SHOWS THE CRITICAL CASE FOR MAINSPAN SPAN DEFLECTIONS DURING MAINTENANCE INSPECTION. OTHER CASES ARE SIMILAR.



TYPICAL CROSS SECTION
(LOOKING UPSTATION)



CROSS SECTION AT BELVEDERE
(LOOKING UPSTATION)



SECTION A-A



ASPEN A-75

FLATIRON DRAGADOS USA
A JOINT VENTURE
In association with FIGG & LACS

HL -93 LOADING

Texas Department of Transportation

US 181/1H 37 - HARBOR BRIDGE
MAIN SPAN
EXTERIOR MAINTENANCE
INSPECTION 2

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	PROJECT NO.	PROJECT NO.
GRAPHICS	X	(See Title Sheet)	X	X
CHECK	TEXAS	DISTRICT	COUNTY	SHEET NO.
CHECK	CONTROL	SECTION	NO.	M4
CHECK	0101	06	095	