



Commander
United States Coast Guard
Heartland District

500 Poydras Street
New Orleans, LA 70130
Staff Symbol: dpb
Phone: (504) 671-2127
Email:
Elizabeth.L.Massimi2@uscg.mil

September 8, 2025

PUBLIC NOTICE 04-25

All interested parties are herein notified that the Commander, Eighth Coast Guard District, has received application materials dated 08 April 2025 from the TXDOTD for approval of location and plans for the replacement of a bridge over a navigable waterway of the United States.

BRIDGE, WATERWAY AND LOCATION: Farm to Market Road (FM) 2004 Bridge Chocolate Bayou, mile 0.9, at Brazoria County, Texas. Nearest town to the project is Alvin, Brazoria County, Texas

CHARACTER OF WORK: The Project proposes to replace the existing FM 2004 Bridge at Chocolate Bayou with a concrete fixed beam bridge structure immediately adjacent and northwest (upstream) of the existing alignment. The existing Bridge will be removed upon completion of the new bridge.

MINIMUM NAVIGATIONAL CLEARANCES:

The proposed new bridge will have clearances as described in the table below. These clearances are increased from current clearances over this section of the waterway at or near this mile. Vertical clearance is from low member elevation to mean high water.

	Existing	Proposed
Vertical	50'	51.5'
Horizontal	200'	212.75'

Datum: NAVD88

ENVIRONMENTAL CONSIDERATIONS:

The Texas Department of Transportation is the lead Federal agency for satisfying the requirements of the National Environmental Policy Act (NEPA). The FHWA is acting on behalf of the U.S. Coast Guard for all environmental control laws. This project has been categorized as a Categorical Exclusion by TXDOT on Oct 202. The U.S. Coast Guard has tentatively determined that the proposed action will not have a significant impact for the purposes of NEPA.

A water quality certification in accordance with Section 401 of the Clean Water Act, as amended, for this project was applied for from TXDOT and issued by the Texas Commission on Environmental Quality on 28 March 2024. This project will impact 14.42 acres of wetlands.

The applicant made a determination that the project is consistent with the Texas coastal management program, and the Texas coastal program concurred with this determination on 10 Feb 2025.

The bridge is located in the floodplain. The 100-year flood elevation is 2.51 feet. The elevation of the low member of the navigation span is 51.5 feet. Elevations are referenced to NAVD88 datum.

SOLICITATION OF COMMENTS:

Mariners are requested to comment on the proposed navigation clearances and other navigational safety issues, including need for clearance gauges and extent of nighttime navigation to determine the need for bridge lighting. Interested parties are requested to express their views, in writing, on the proposed bridge project including its possible impacts to navigation.

We will forward comments of an environmental nature such as those regarding wildlife refuges, public parks, historic sites, wetlands, floodplain issues, air, water quality, environmental justice, etc. to the TXDOT. Comments will be received for the record at the address noted in the header or via email d08-dg-district-dpb@uscg.mil through October 9, 2025.

Map of location and plans attached.

//s//

Douglas A. Blakemore
Bridge Administrator
By direction of the Commander,
District Eight Coast Guard District

STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED
STATE HIGHWAY IMPROVEMENT

BRAZORIA COUNTY

FM 2004

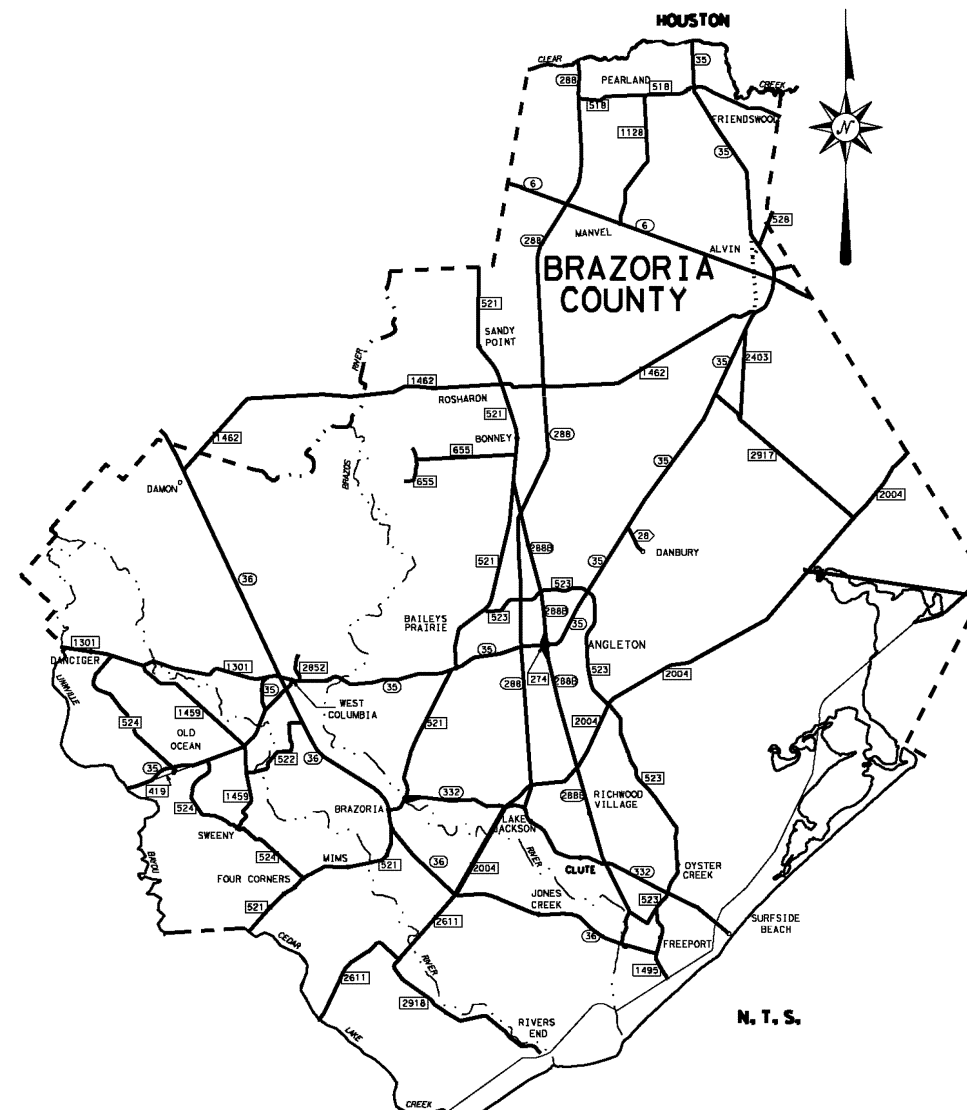
CSJ 2523-02-074

FEDERAL AID PROJECT NO.

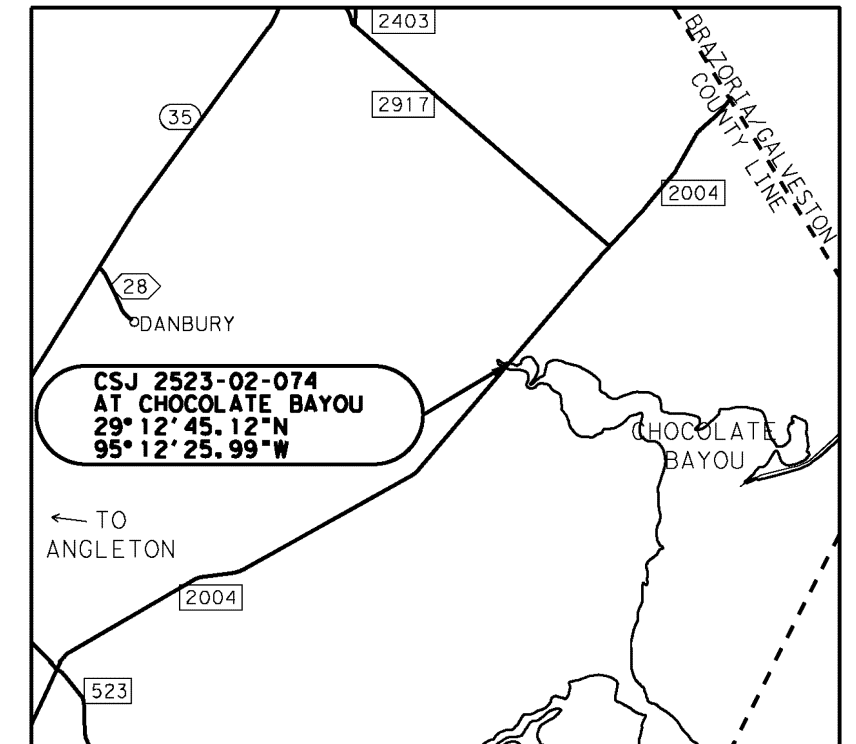
PROJECT LENGTH: 9,500.00 FT = 1.799 MILES

LIMITS: AT CHOCOLATE BAYOU

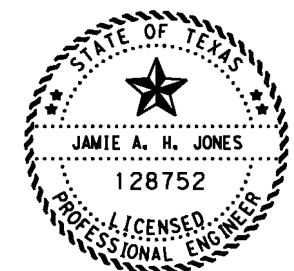
FOR THE CONSTRUCTION OF BRIDGE REPLACEMENT CONSISTING OF BRIDGE
REPLACEMENT, LIME TREATED SUBGRADE, CEMENT TREATED BASE,
ASPHALT CEMENT OVERLAY, SIGNING AND PAVEMENT MARKINGS.



PROJECT VICINITY MAP



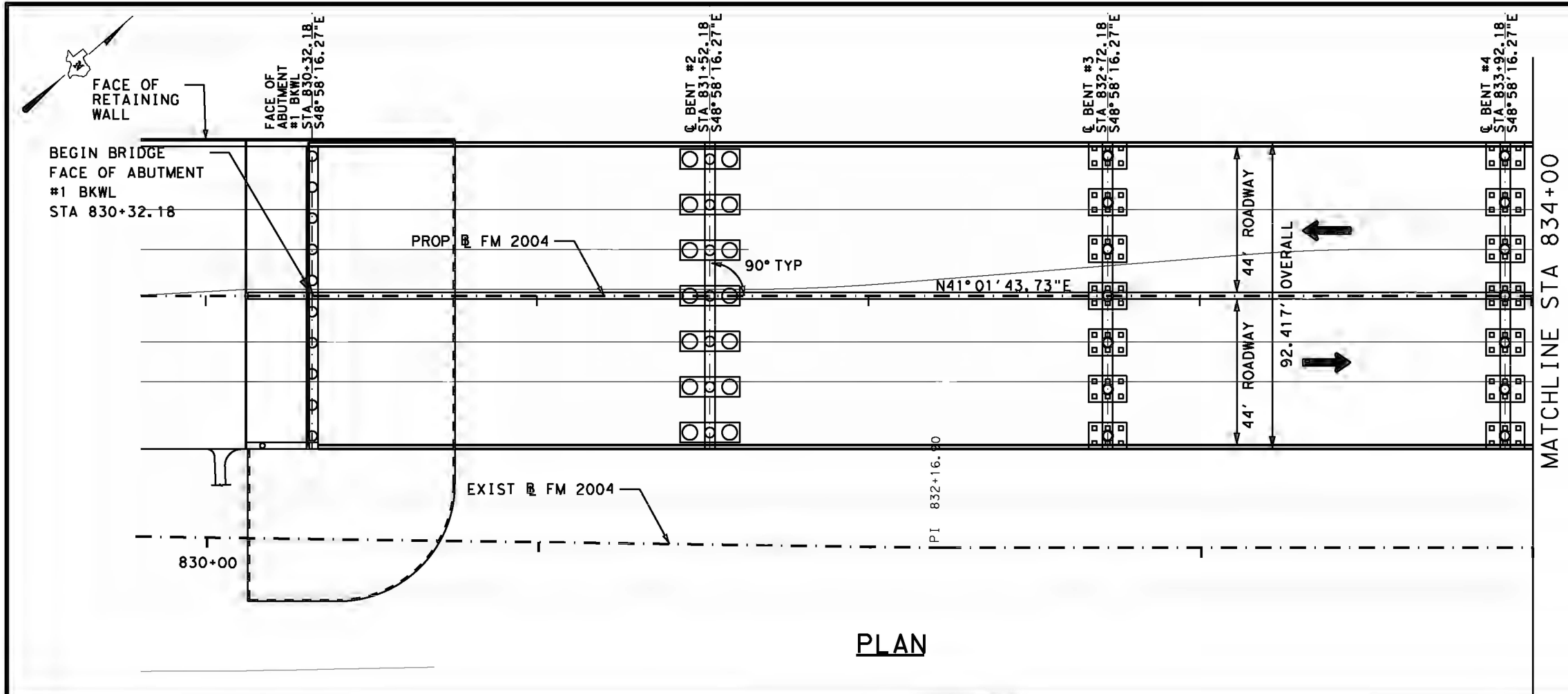
PROJECT LOCATION MAP
N. T. S.



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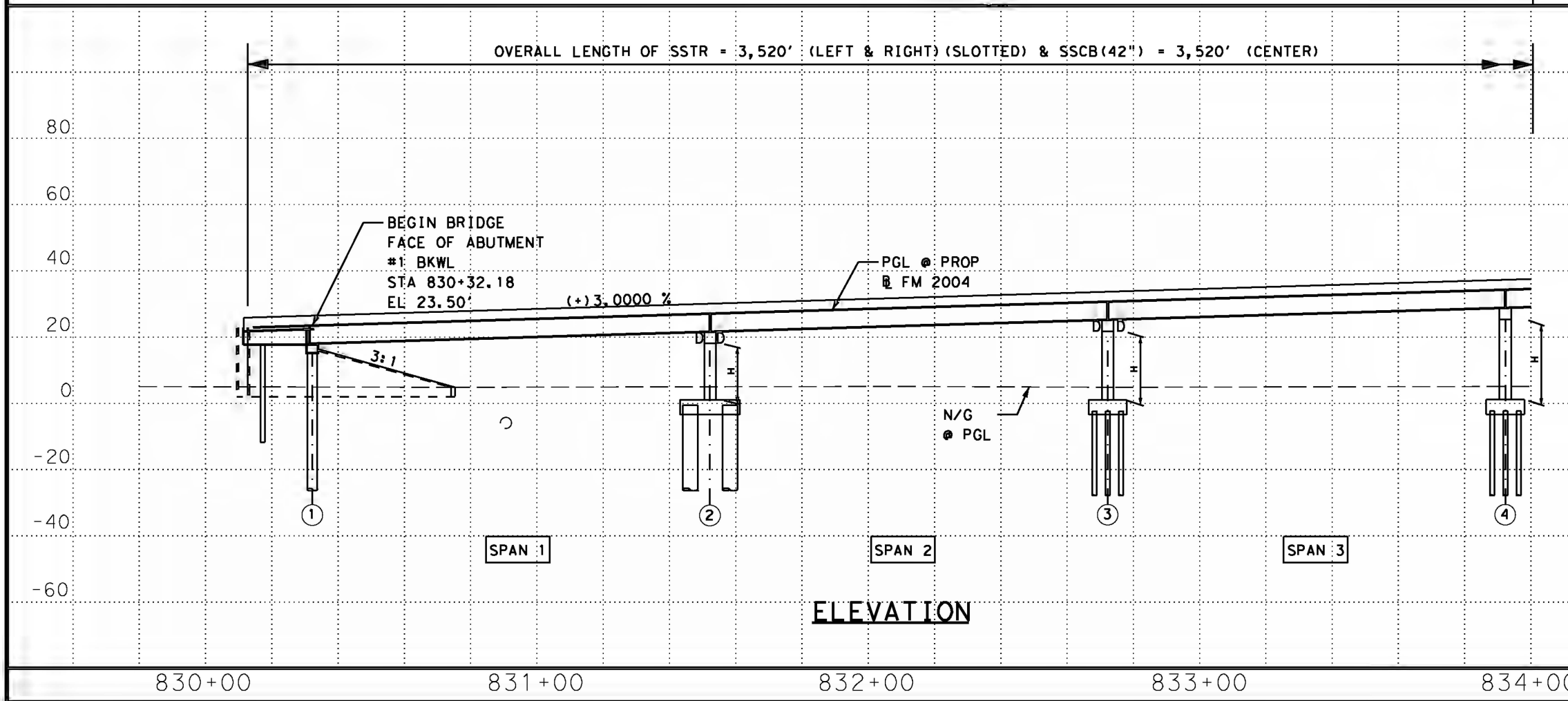
09/03/2025

9/1/2025
pw://txdot.projectwiseonline.com:TXDOT3/Documents/12 - HOU/Design Projects/252302074*ORD TEST/4 - Design/Environmental/404 Env exhibits/Bridge Layout CB1.dgn



DESIGN SPEED: 70 MPH
ADT: 11,100 (2022)
13,800 (2042)
FUNCTIONAL CLASS: RURAL MINOR ARTERIAL
NB1# 12-020-0-2523-02-XXX

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HL93 LOADING

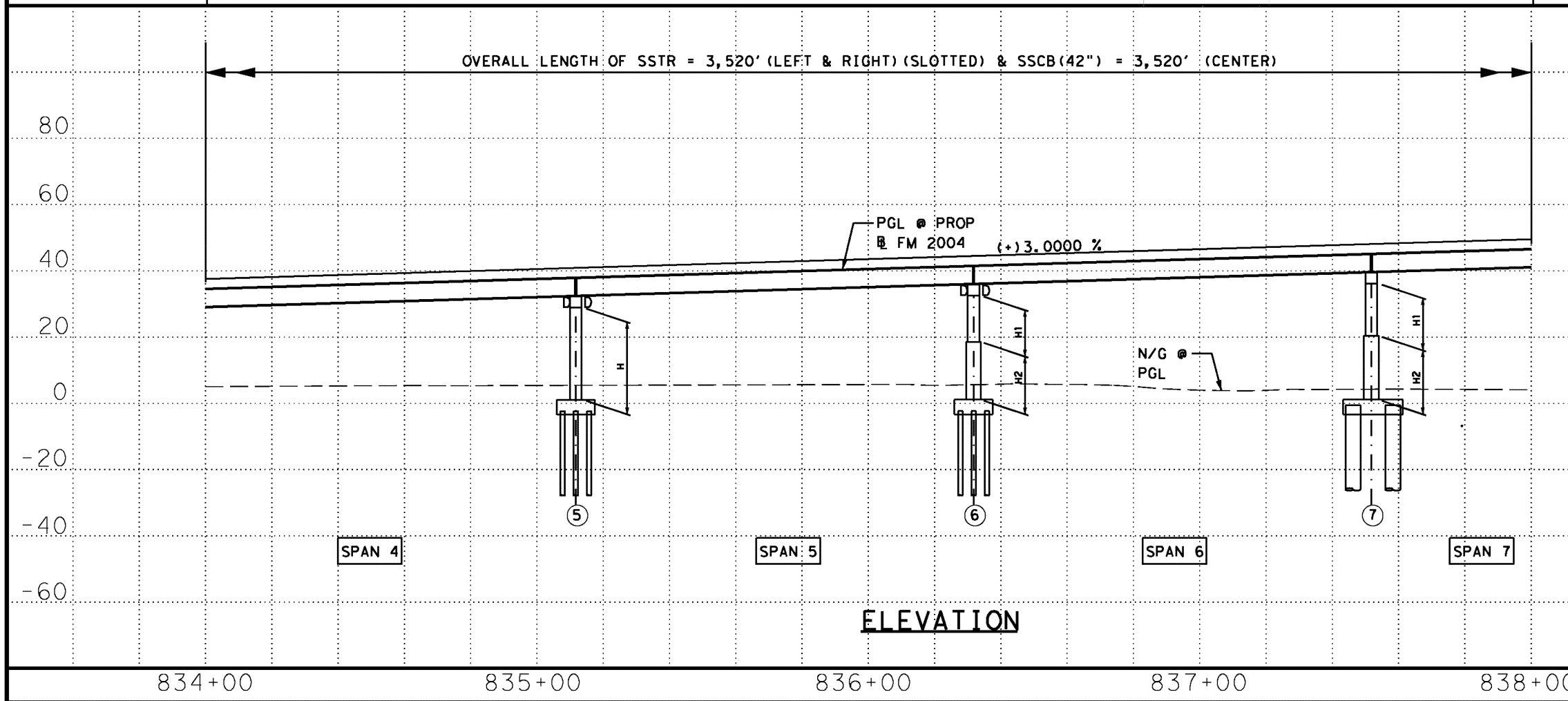
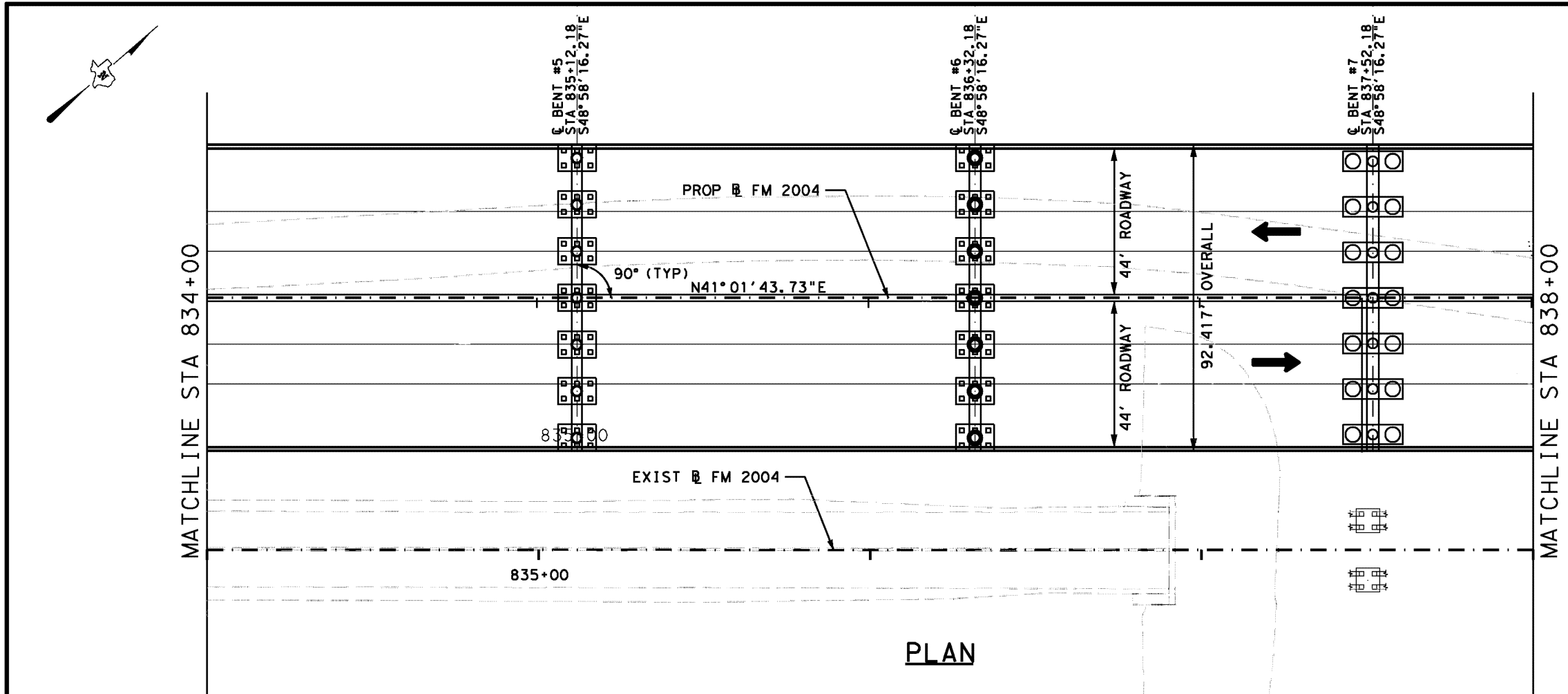
STATE OF TEXAS
JAMIE A. H. JONES
128752
LICENSED PROFESSIONAL ENGINEER
Jamie A.H. Jones, P.E.
9/3/2025

SHEET 2 OF 10
**CHOCOLATE BAYOU
BRIDGE EXHIBIT**
CHOCOLATE BAYOU, MILE 0.08

0 20 40
Texas Department of Transportation
© 2025

CONT.	SECT.	JOB	HIGHWAY NO.
2523	02	074	FM 2004
DIST.	COUNTY		SHEET NO.
HOU	BRAZORIA		2

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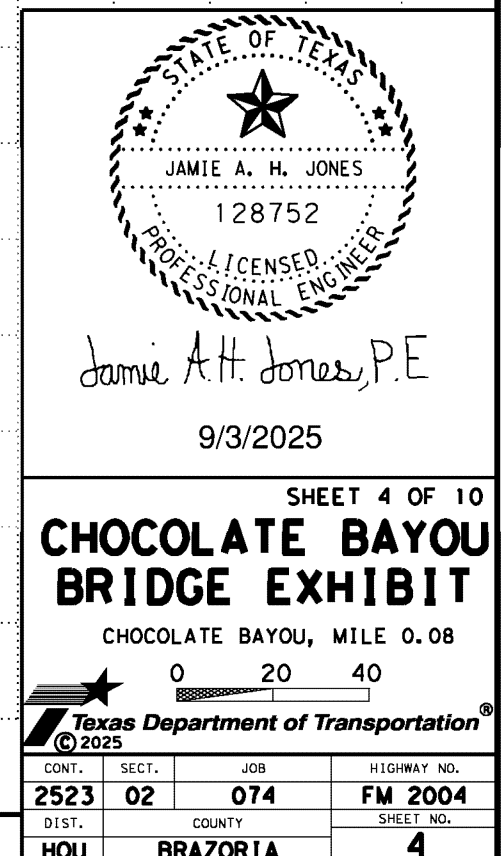
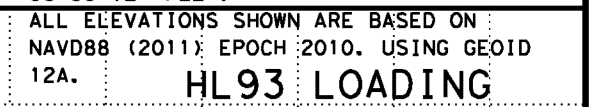
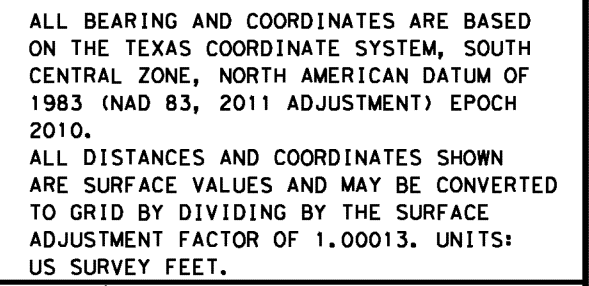
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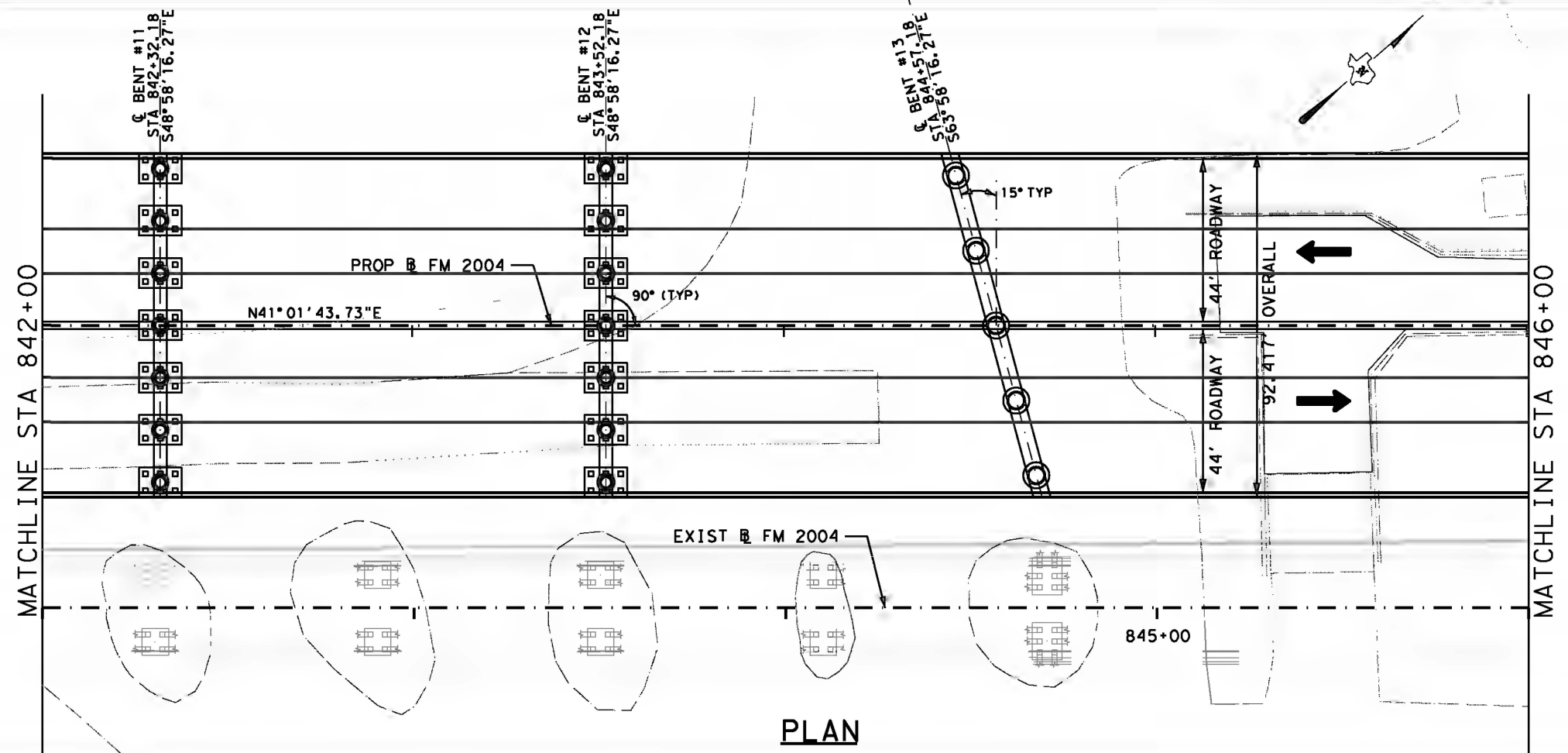
SHEET 3 OF 10
**CHOCOLATE BAYOU
BRIDGE EXHIBIT**
CHOCOLATE BAYOU, MILE 0.08

0 20 40

CONT.	SECT.	JOB	HIGHWAY NO.
2523	02	074	FM 2004
DIST.	COUNTY		SHEET NO.
HOU	BRAZORIA		3



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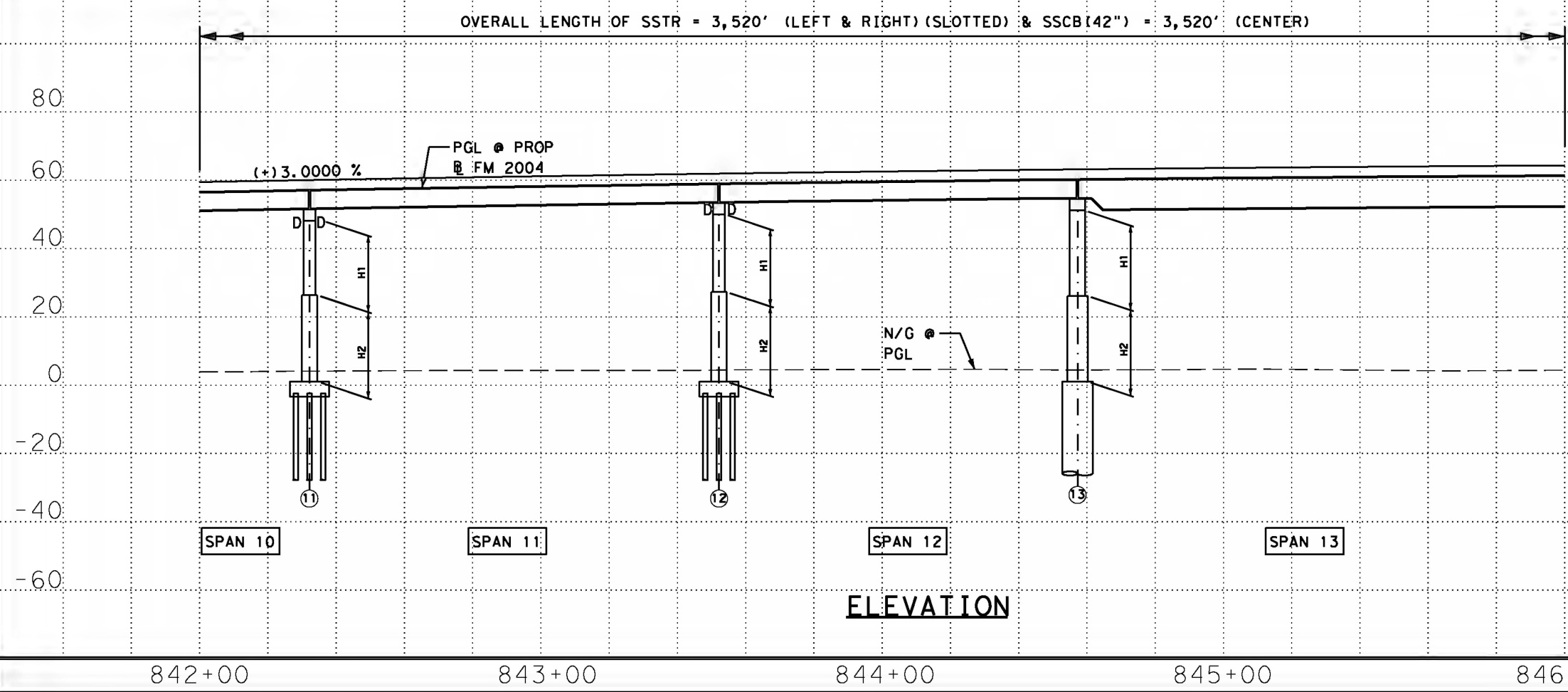


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SHEET 5 OF 10

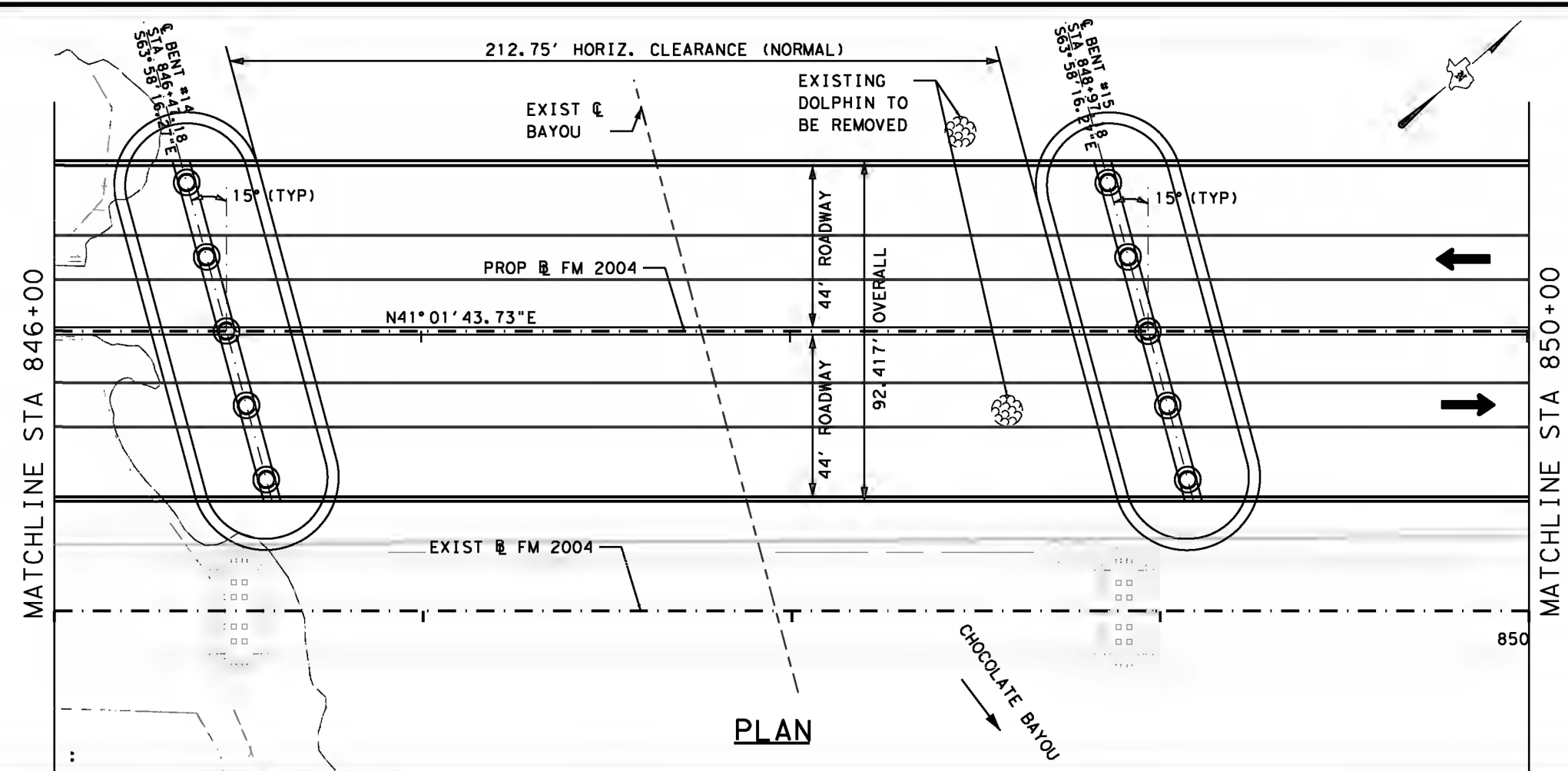
CHOCOLATE BAYOU BRIDGE EXHIBIT

CHOCOLATE BAYOU, MILE 0.08

0 20 40

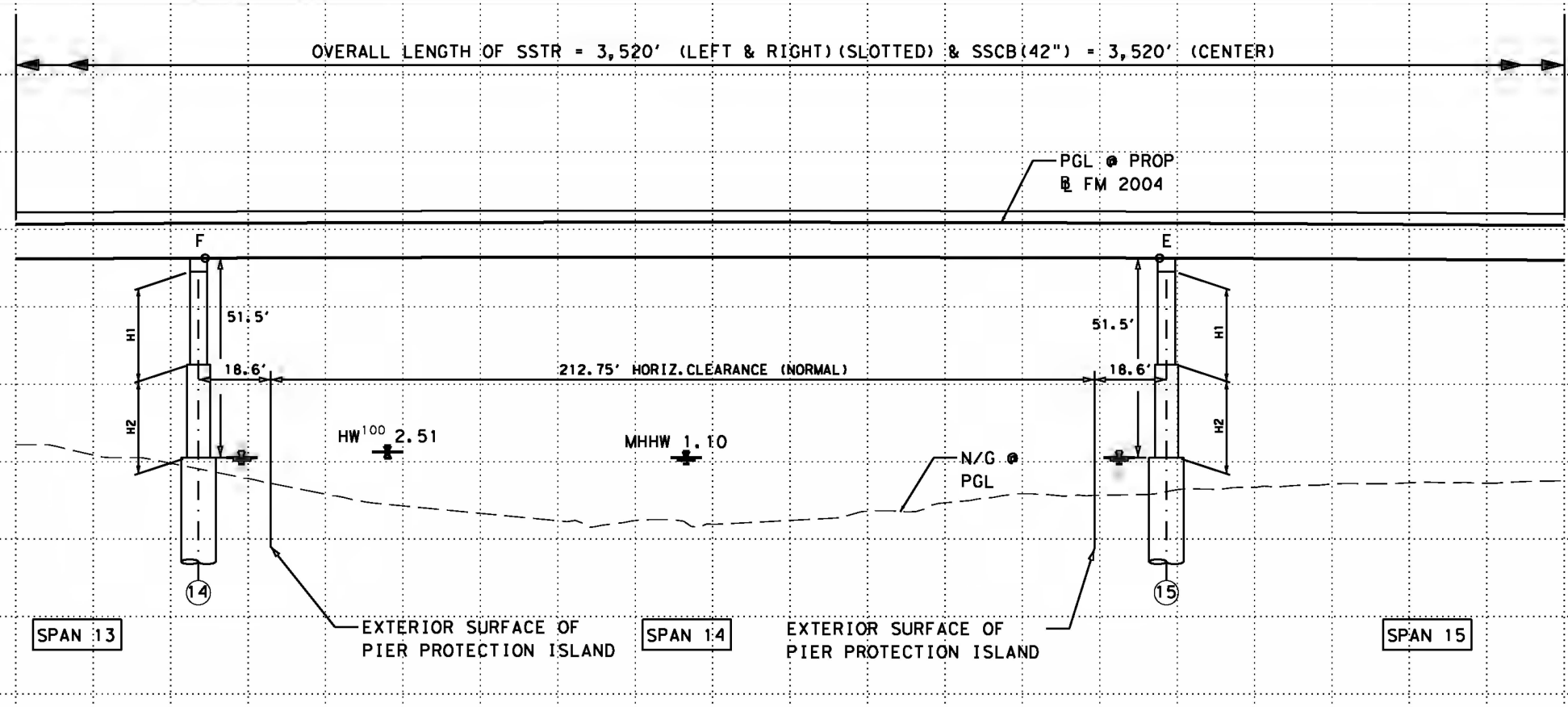
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2523	02	074	FM 2004
DIST.	COUNTY		SHEET NO.
HOU	BRAZORIA		5

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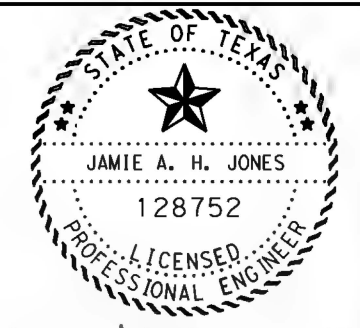
PLAN

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ELEVATION

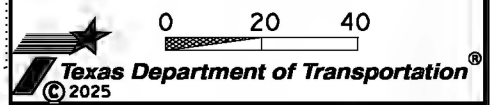
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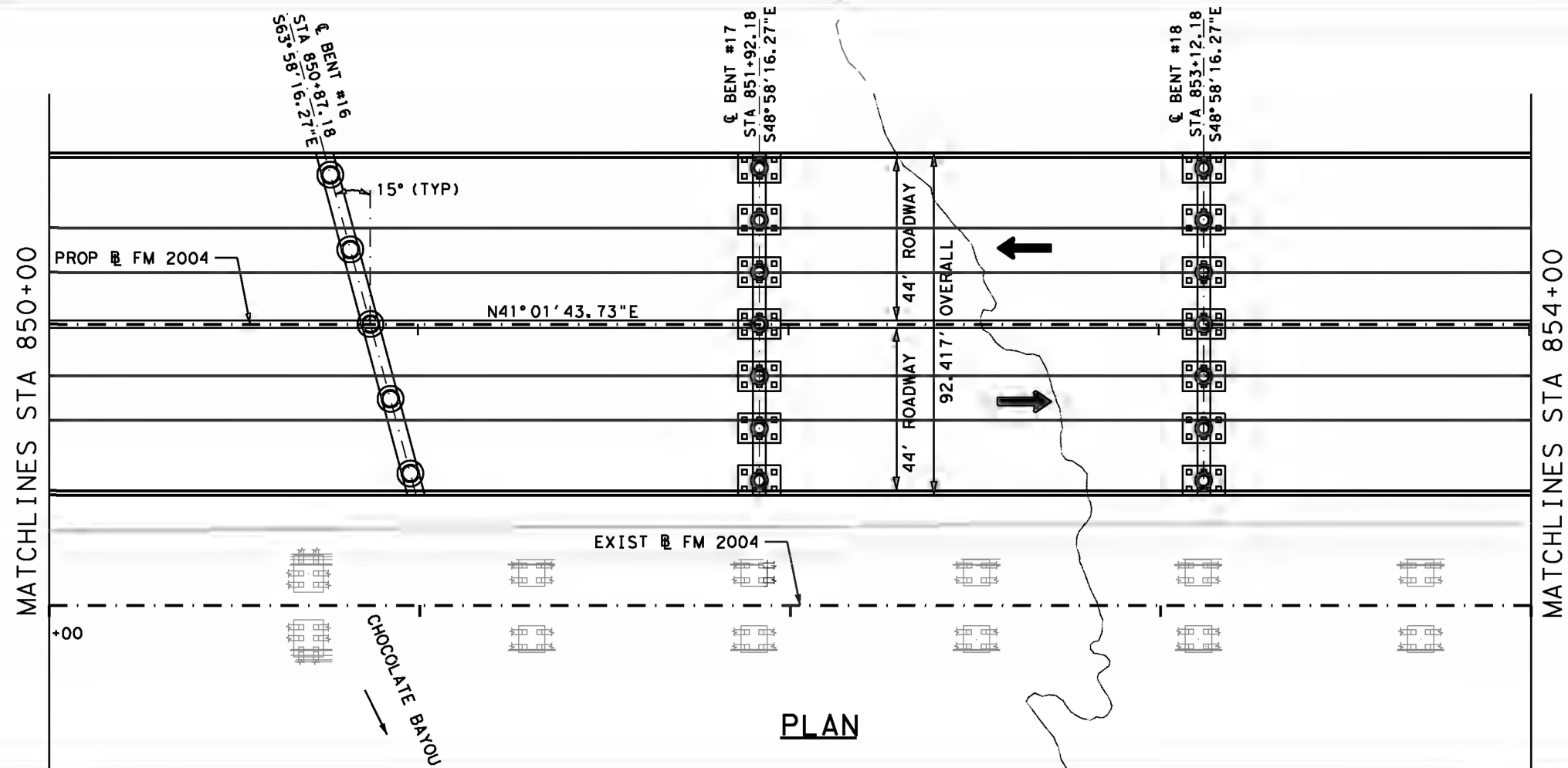
SHEET 6 OF 10
**CHOCOLATE BAYOU
BRIDGE EXHIBIT**

CHOCOLATE BAYOU, MILE 0.08



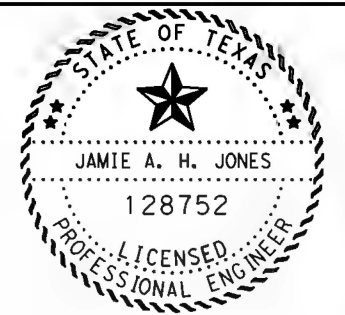
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2523	02	074	FM 2004
DIST.	COUNTY	SHEET NO.	
HOU	BRAZORIA	6	

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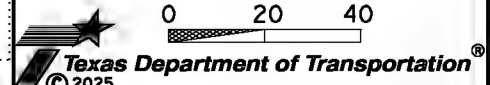
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9/3/2025

SHEET 7 OF 10

CHOCOLATE BAYOU BRIDGE EXHIBIT

CHOCOLATE BAYOU, MILE 0.08



CONT.	SECT.	JOB	HIGHWAY NO.
2523	02	074	FM 2004
DIST.	COUNTY	SHEET NO.	
HOU	BRAZORIA	7	

850+00

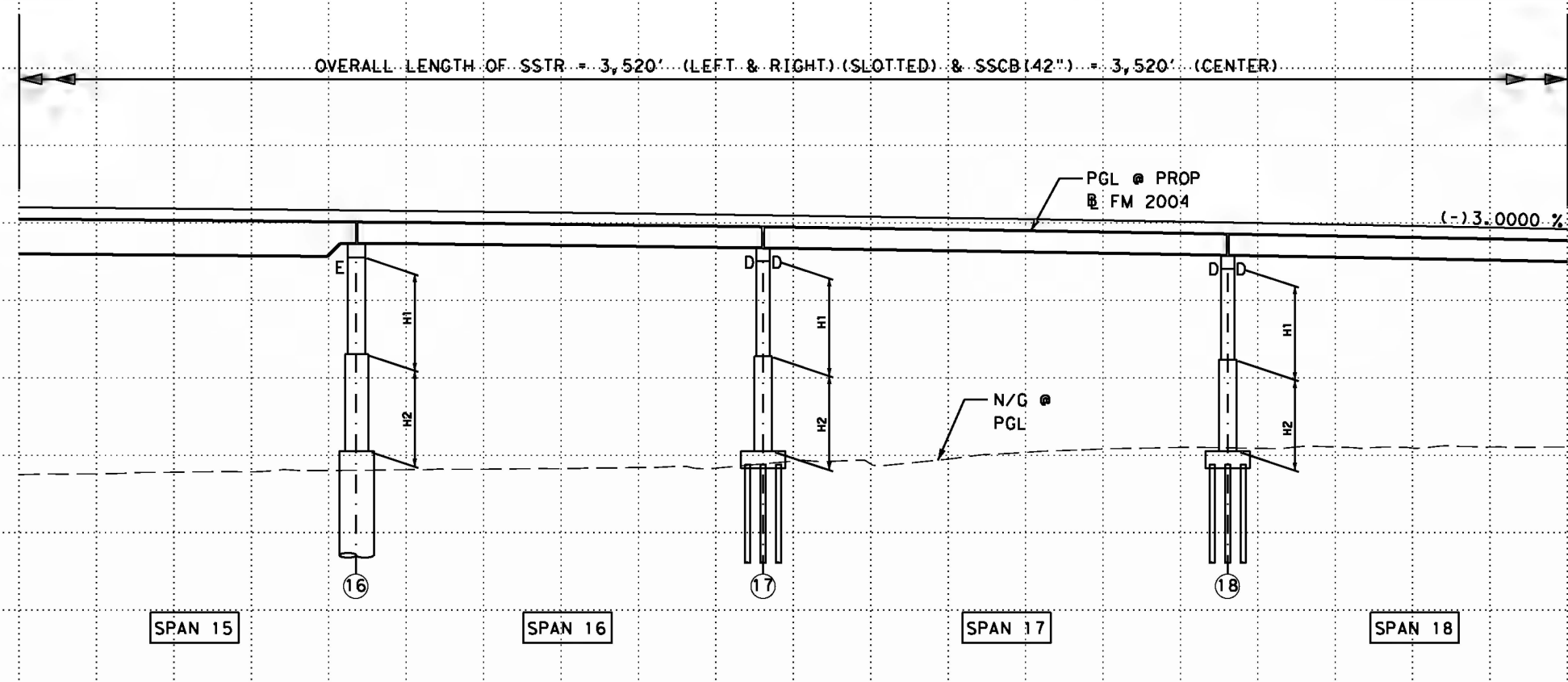
851+00

852+00

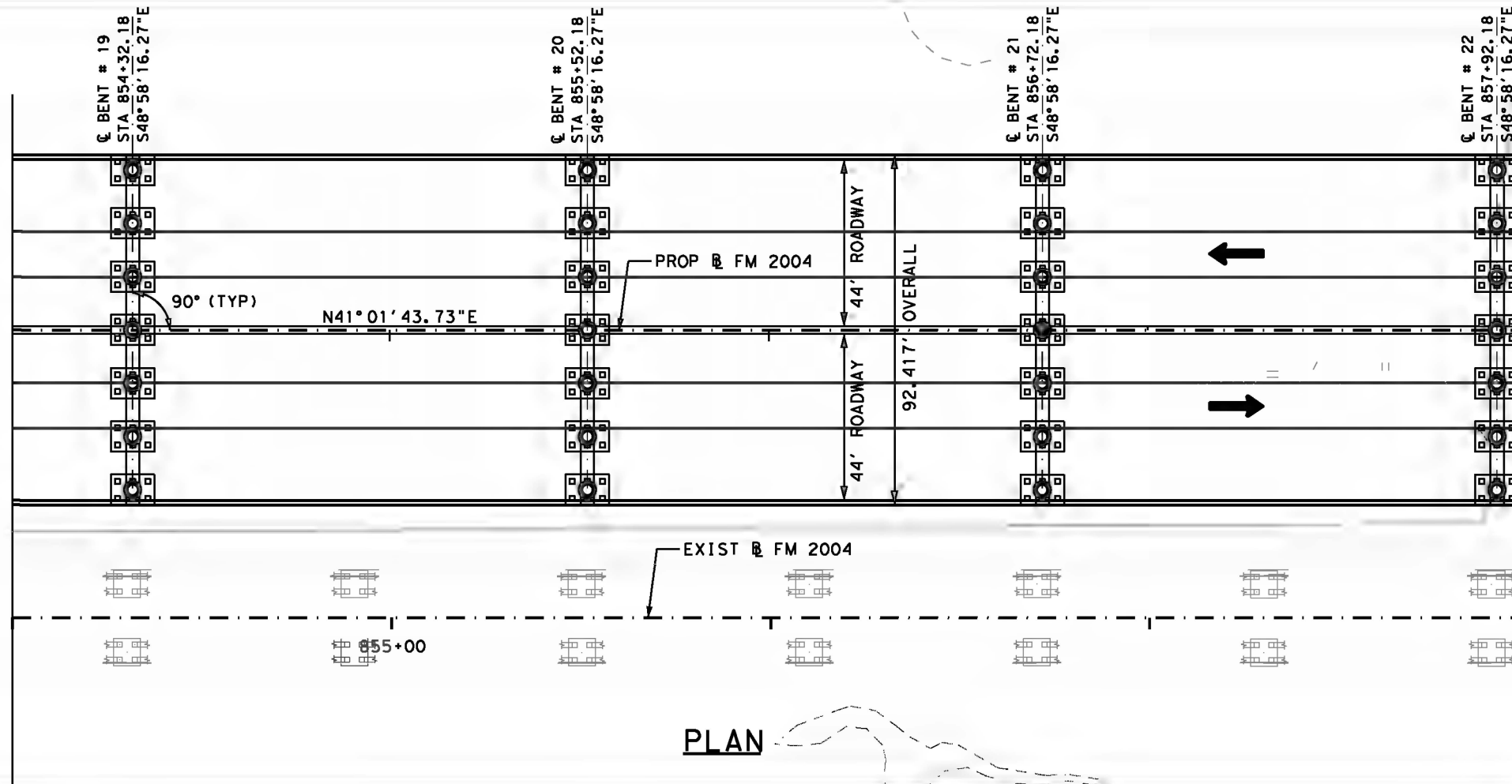
853+00

854+00

ELEVATION



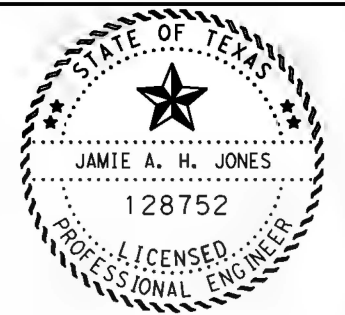
MATCHLINES STA 854+00



MATCHLINES STA 858+00

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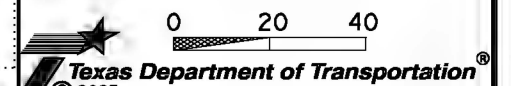
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SHEET 8 OF 10

CHOCOLATE BAYOU BRIDGE EXHIBIT

CHOCOLATE BAYOU, MILE 0.08



CONT.	SECT.	JOB	HIGHWAY NO.
2523	02	074	FM 2004
DIST.	COUNTY	SHEET NO.	
HOU	BRAZORIA	8	

OVERALL LENGTH OF SSTR = 3,520' (LEFT & RIGHT) (SLOTTED) & SSCB(42") = 3,520' (CENTER)

80
60
40
20
0
-20
-40
-60

SPAN 18

SPAN 19

SPAN 20

SPAN 21

SPAN 22

ELEVATION

854+00

855+00

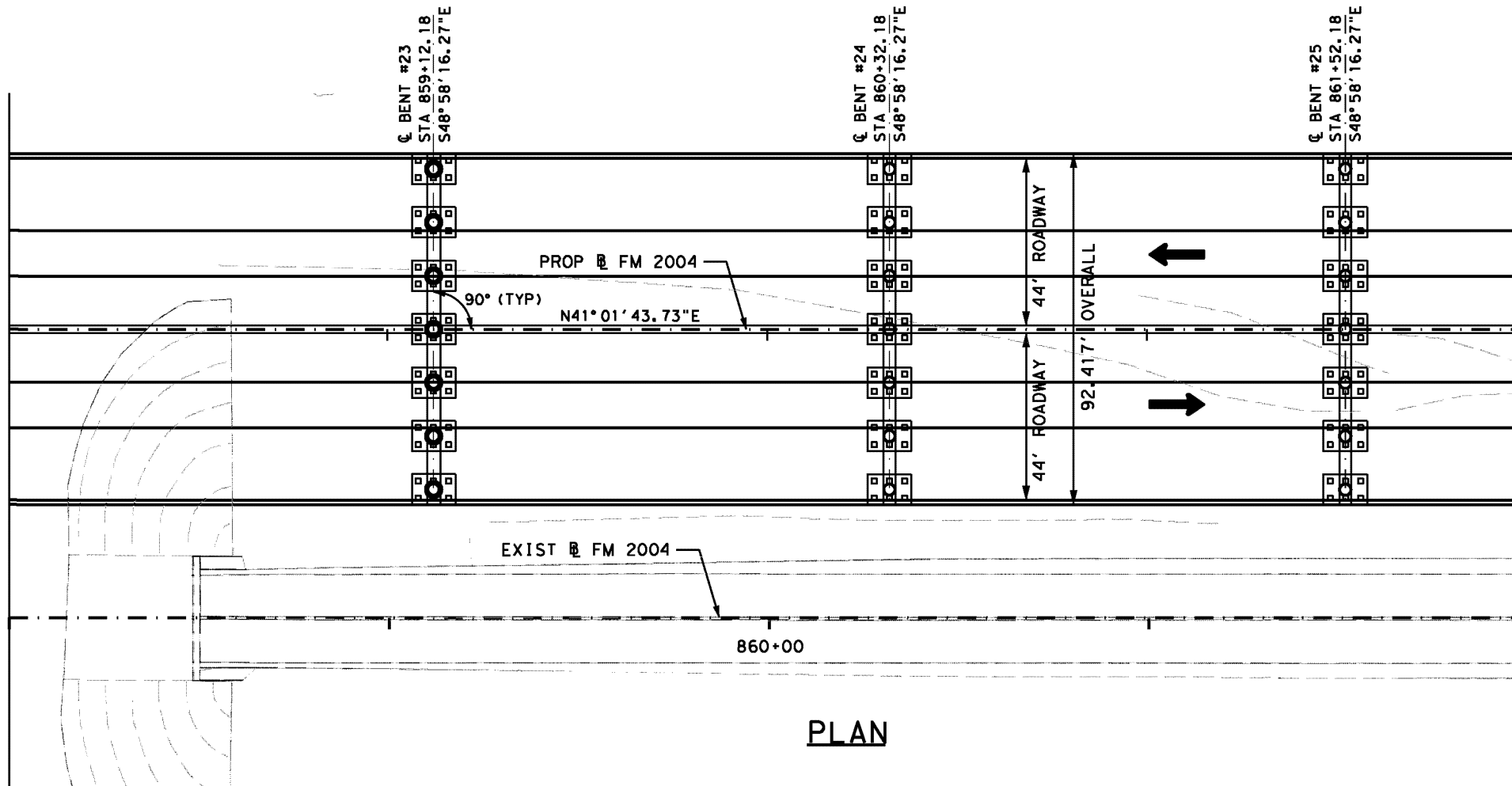
856+00

857+00

858+00

9/1/2025
pw://ttdot.projectwiseonline.com:TXD0T3/Documents/12 - HOU/Design Projects/252302074*ORD TEST/4 - Design/Environmental/404 Env exhibits/Bridge Layout CB8.dgn

MATCHLINES STA 858+00

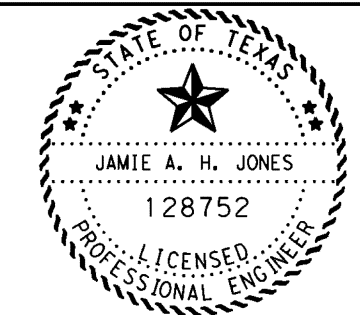


MATCHLINES STA 862+00

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HL93 LOADING



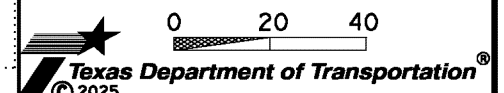
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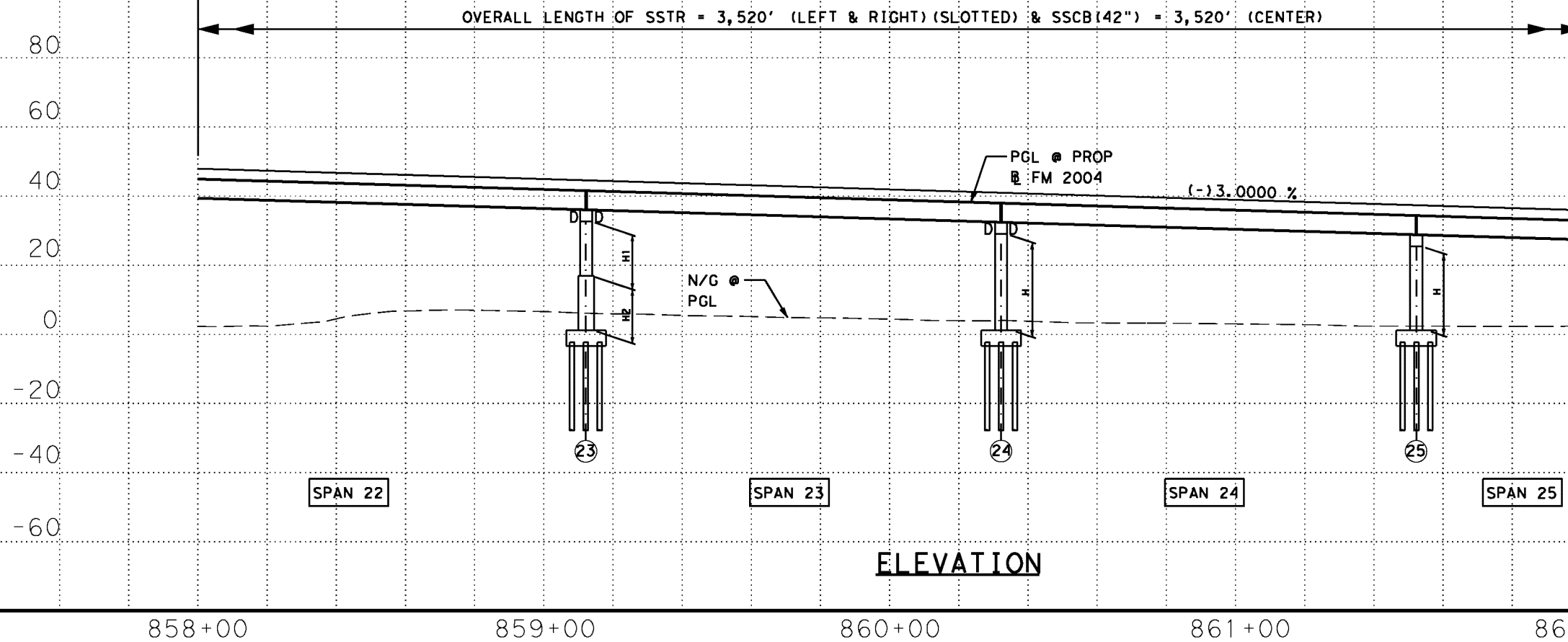
SHEET 9 OF 10

CHOCOLATE BAYOU BRIDGE EXHIBIT

CHOCOLATE BAYOU, MILE 0.08

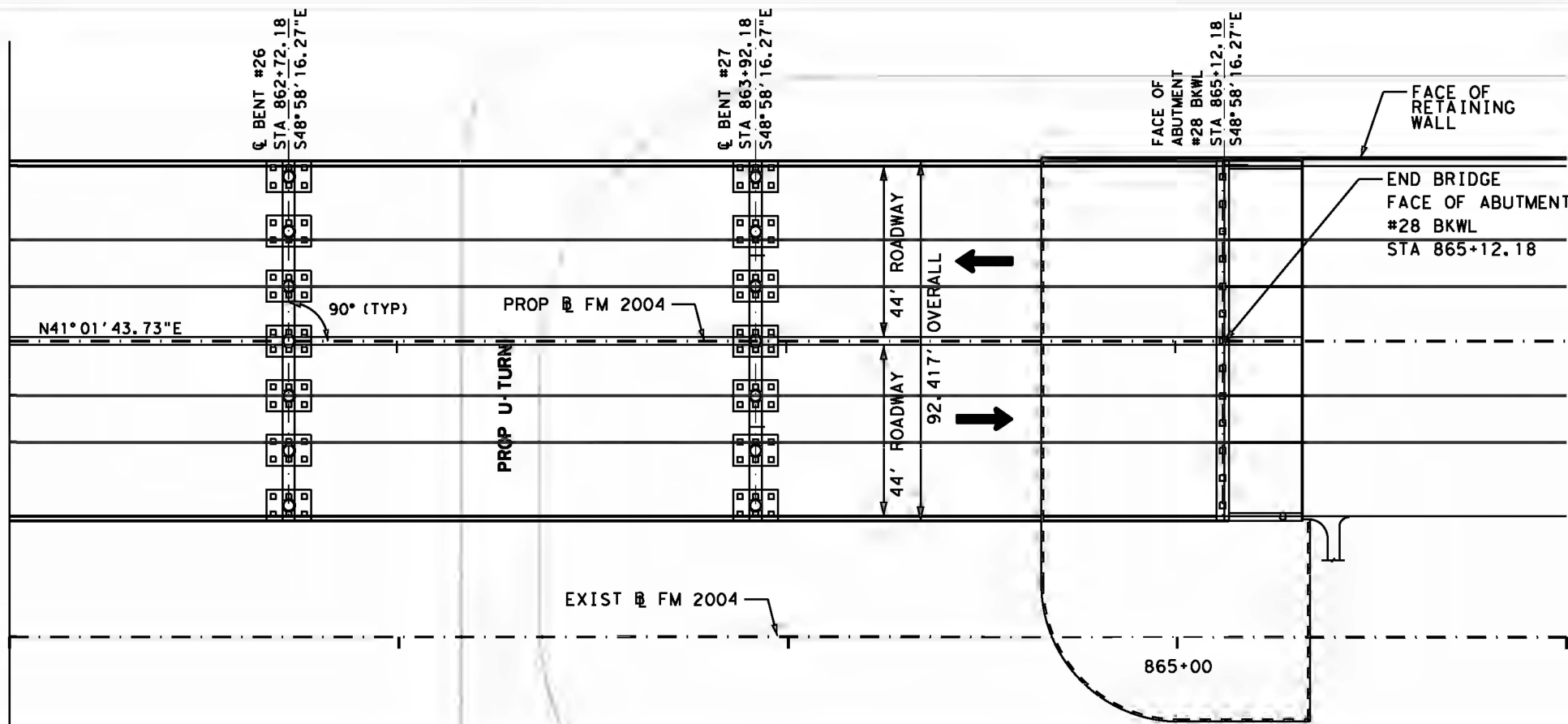


CONT.	SECT.	JOB	HIGHWAY NO.
2523	02	074	FM 2004
DIST.	COUNTY	SHEET NO.	
HOU	BRAZORIA	9	



9/1/2025
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MATCHLINES STA 862+00

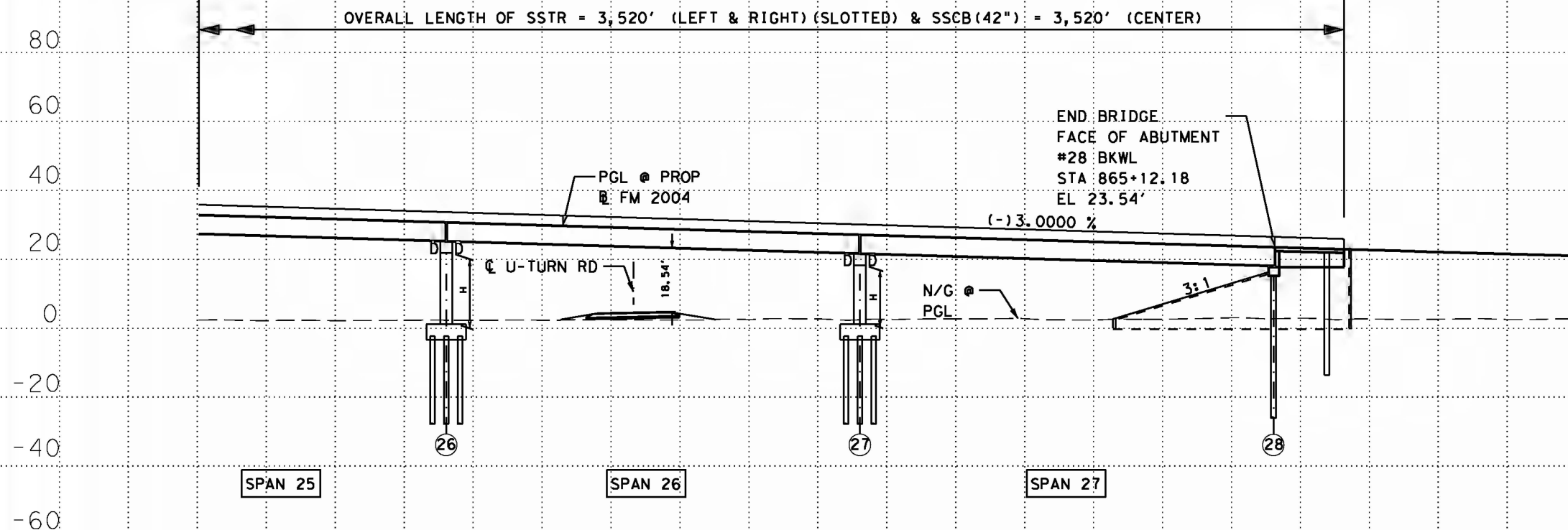


PLAN

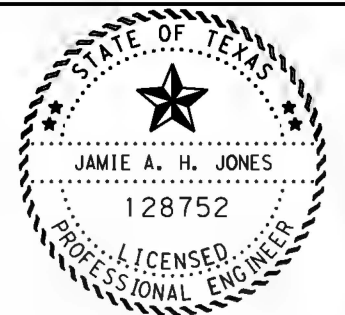
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ELEVATION



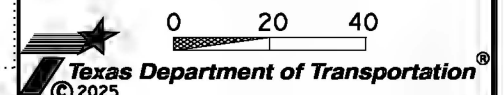
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SHEET 10 OF 10

CHOCOLATE BAYOU BRIDGE EXHIBIT

CHOCOLATE BAYOU, MILE 0.08



CONT.	SECT.	JOB	HIGHWAY NO.
2523	02	074	FM 2004
DIST.	COUNTY	SHEET NO.	
HOU	BRAZORIA	10	