



February 26, 2024

PUBLIC NOTICE (02-24)

All interested parties are herein notified that the Commander, Eighth Coast Guard District, has received application materials dated September 15, 2023 from the FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) for approval of location and plans for the modification of a bridge over a navigable waterway of the United States.

WATERWAY AND LOCATION: Bridge across Apalachicola River, Mile 100, on State Road 8 (I-10) between Jackson and Gadson Counties, Florida.

CHARACTER OF WORK: This project involves the replacement of the existing 266' long fender system which consists of 92 steel H-piles with vertical timber wales, 2 timber spacer blocks, and two fender access platforms. The proposed 315' long fender system will consist of fiber reinforced polymer (FRP) composite piles, wales, catwalk, and fender access platforms. The design will follow the same alignment, with the exception of a change in the flare configuration at the ends of the fender, and an increase of 49' of fender length. The proposed change in flare configuration is required to meet current FDOT design criteria. The fender system will also include the in-kind replacement of the mounted navigational lights and clearance gauge signs.

MINIMUM NAVIGATIONAL CLEARANCES:

The proposed bridge will have clearances as described in the table below. These clearances are the same as the current clearances over this section of the waterway at or near this mile.

	Existing	Proposed
Vertical	29.58'	29.58'
Horizontal	228'	228'

Datum (NAVD) 88

ENVIRONMENTAL CONSIDERATIONS: The Coast Guard, as the lead Federal agency, has made a tentative determination that the bridge modification warrants a categorical exclusion, for the purposes of the National Environmental Policy Act (NEPA) because it satisfies criteria for such actions listed in the Coast Guard's NEPA Implementing Instructions.

Preliminary analysis indicates that the project would not result in adverse effects as described in Section 106 of the National Historic Preservation Act of 1966. A concurrence letter was signed by the Florida Division of Historical Resources dated 08 September 2020.

A water quality certification in accordance with Section 401 of the Clean Water Act, as amended, for this project was applied for from the FDEP. No wetland will be taken or affected by this project.

The bridge is located in the floodplain. The 100-year flood elevation is 74.03 feet, while elevation of the low member of the navigation span is 29.58 from MHW; elevations are referenced to new plans dated August 22, 2023.

SOLICITATION OF COMMENTS:

Mariners are requested to comment on the proposed navigation clearances, placement of a bridge protective system 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 environmental impacts to include those impacts on minority and/or low-income populations, if any, giving sufficient detail to establish a clear understanding of the reasons for support of, or opposition to, the proposed work. Comments will be received for the record at the address noted in the header or via email D08-DG-District_DPB@uscg.mil through March 26, 2024. Map of location and plans attached.

Map of location and plans attached.

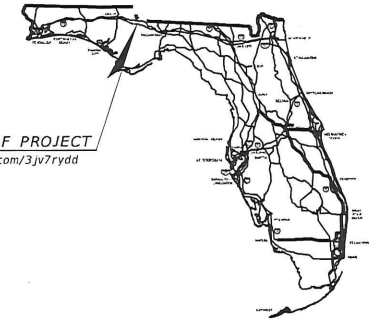
DOUGLAS A. BLAKEMORE
Chief, Bridge Administration Branch
By direction of the Commander
Eighth Coast Guard District

INDEX OF STRUCTURE PLANS

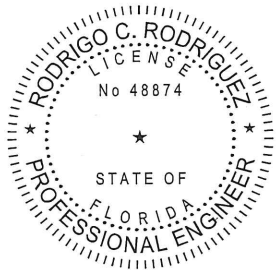
SHEET NO.	SHEET DESCRIPTION
1 OF 6	KEY SHEET
2 OF 6	PLAN AND ELEVATION (1 OF 2)
3 OF 6	PLAN AND ELEVATION (2 OF 2)
4 OF 6	SCHEMATIC PLAN VIEW OF NEW FENDER SYSTEM
5 OF 6	PARTIAL SCHEMATIC PLAN VIEW (FLARE SECTION)
6 OF 6	SCHEMATIC TYPICAL SECTIONS

BRIDGE CONSTRUCTION

SR 8 (I-10) OVER APALACHICOLA RIVER
 BRIDGE NOS. 500086 AND 500087
 FINANCIAL PROJECT ID 406742-4-52-01
 GADSDEN COUNTY (50001)
 FDOT CONTRACT NO. E3U67



LOCATION OF PROJECT
<https://tinyurl.com/3jv7rydd>



THIS ITEM HAS BEEN DIGITALLY
 SIGNED AND SEALED BY:

Rodrigo C Rodriguez
 2024.02.23 09:37:52 -05'00'

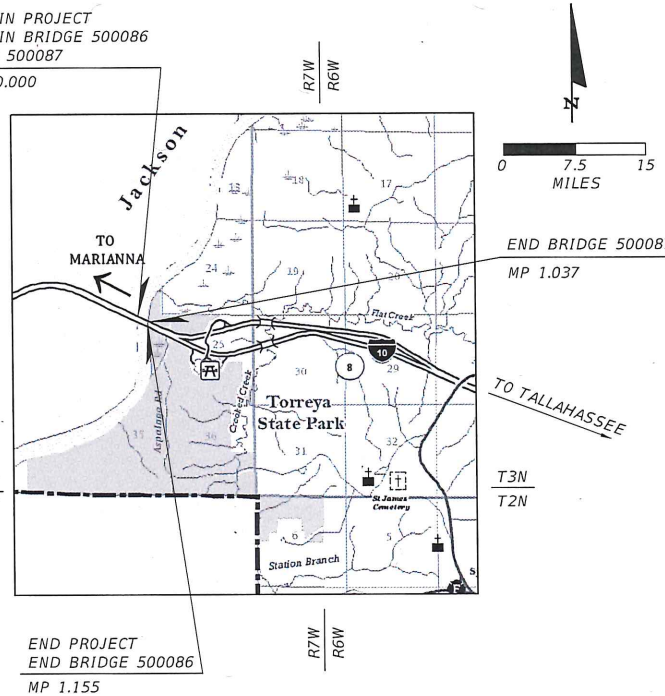
ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE
 NOT CONSIDERED SIGNED AND SEALED
 AND THE SIGNATURE MUST BE VERIFIED
 ON ANY ELECTRONIC COPIES.

CONSOR ENGINEERS, LLC
 2511 ST. JOHNS BLUFF ROAD SOUTH,
 SUITE 107
 JACKSONVILLE, FLORIDA 32246
 RODRIGO C. RODRIGUEZ, P.E. NO. 48874

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
 FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

BEGIN PROJECT
 BEGIN BRIDGE 500086
 AND 500087
 MP 0.000



END PROJECT
 END BRIDGE 500086
 MP 1.155

END BRIDGE 500087
 MP 1.037

LOCATION MAP

BRIDGE NOS. 500086 & 500087

NOTES:

- GOVERNING STANDARD SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2023-24 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- GOVERNING STANDARD PLANS: FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2023-24 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND APPLICABLE INTERIM REVISIONS.
- ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 88. ELEVATIONS SHOWN ON THE EXISTING BRIDGE PLANS ARE BASED ON NGVD 29. THE CONVERSION FROM NGVD 29 TO NAVD 88 AT THIS SITE = -0.483 FEET.
- THE EXISTING FENDER SYSTEM (INCLUDING PILES AND WALES) WILL BE REPLACED WITH AN ENERGY ABSORBING FENDER SYSTEM.
- THE REPLACEMENT FENDER WILL USE FIBER REINFORCED POLYMER (FRP) PILES AND WALES. THE SIZE AND SPACING OF THE PILES AND WALES WILL BE FINALIZED PRIOR TO CONSTRUCTION BASED ON THE CONTRACTOR'S SPECIALTY ENGINEER DESIGN, USING AN ENERGY ABSORPTION CAPACITY (EAC) OF 215 KIP-FT FROM FDOT CRITERIA.
- THESE PLANS ARE CONCEPTUAL PLANS UTILIZED TO OBTAIN A COAST GUARD PERMIT.

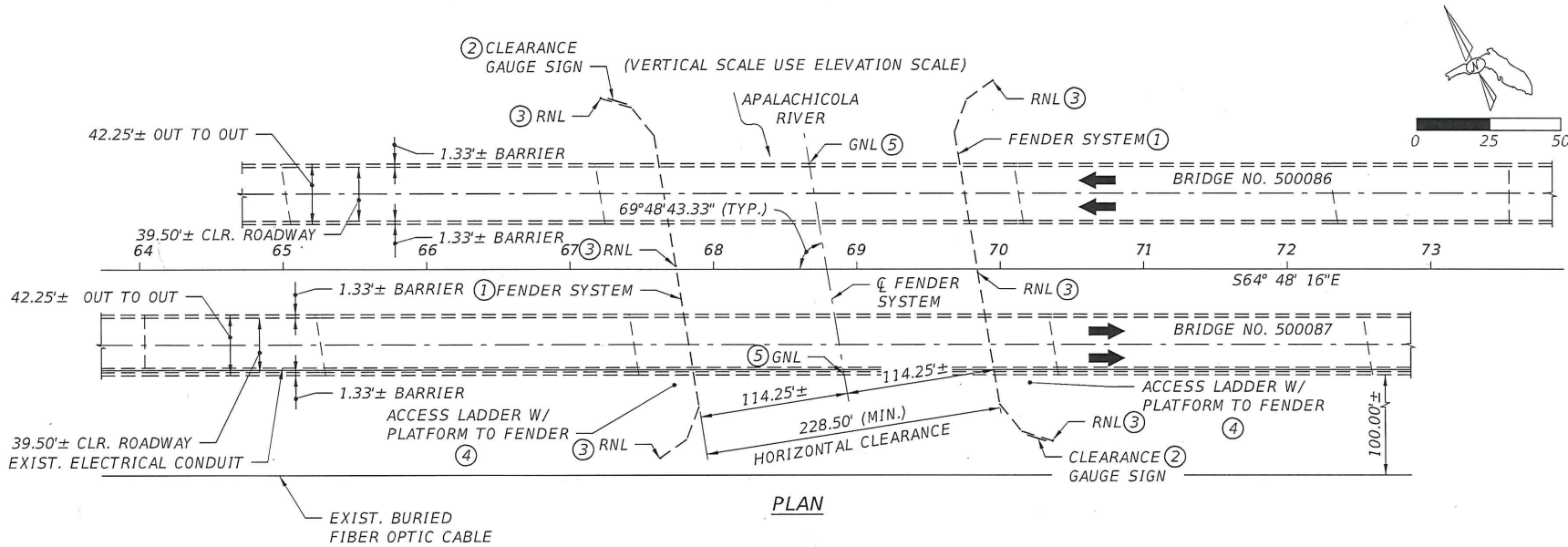
APPLICANT:
 FLORIDA DEPARTMENT OF TRANSPORTATION
 CONSULTANT: CONSOR ENGINEERS, LLC

SR 8 (I-10) OVER APALACHICOLA RIVER
 BRIDGE NO. 500086
 BEGIN MP 0.000 TO END MP 1.155
 BRIDGE NO. 500087
 BEGIN MP 0.000 TO END MP 1.037
 GADSDEN COUNTY, FLORIDA

KEY SHEET




AUGUST 22, 2023 SHEET 1 OF 6

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PLAN

LEGEND

- GNL EXISTING GREEN NAVIGATION LIGHTS
- RNL EXISTING RED NAVIGATION LIGHTS
-  CHANNEL FLOW
-  DIRECTION OF TRAFFIC
- NHW NORMAL HIGH WATER
- NLW NORMAL LOW WATER
- EL. ELEVATION
- EXIST. EXISTING
-  NAVIGATION CHANNEL

WORK IDENTIFICATION

- ① REPLACE EXISTING FENDER SYSTEM
- ② REPLACE CLEARANCE GAUGE SIGNS
- ③ REPLACE NAVIGATIONAL LIGHTS ATTACHED TO THE FENDER SYSTEM.
- ④ REPLACE FENDER ACCESS PLATFORM BETWEEN PIER AND FENDER. ACCESS LADDERS AND LANDINGS ATTACHED TO PIER COLUMNS TO REMAIN.
- ⑤ EXISTING GREEN NAVIGATION LIGHTS TO REMAIN IN PLACE.

NOTES:

1. WHEN SETTING BARGES IN THE WATERWAY PLACE SPUDS TO AVOID CONFLICTS WITH EXISTING SUBAQUEOUS LINES OR SUBMARINE CROSSINGS, AS APPROVED BY THE ENGINEER.
2. ALL STAGING/STORAGE AREAS SHALL BE APPROVED BY THE ENGINEER.
3. RESTORE STAGING AREAS TO ORIGINAL CONDITION AFTER COMPLETION OF WORK. NO SEPARATE PAYMENT.

BRIDGE NOS. 500086 & 500087

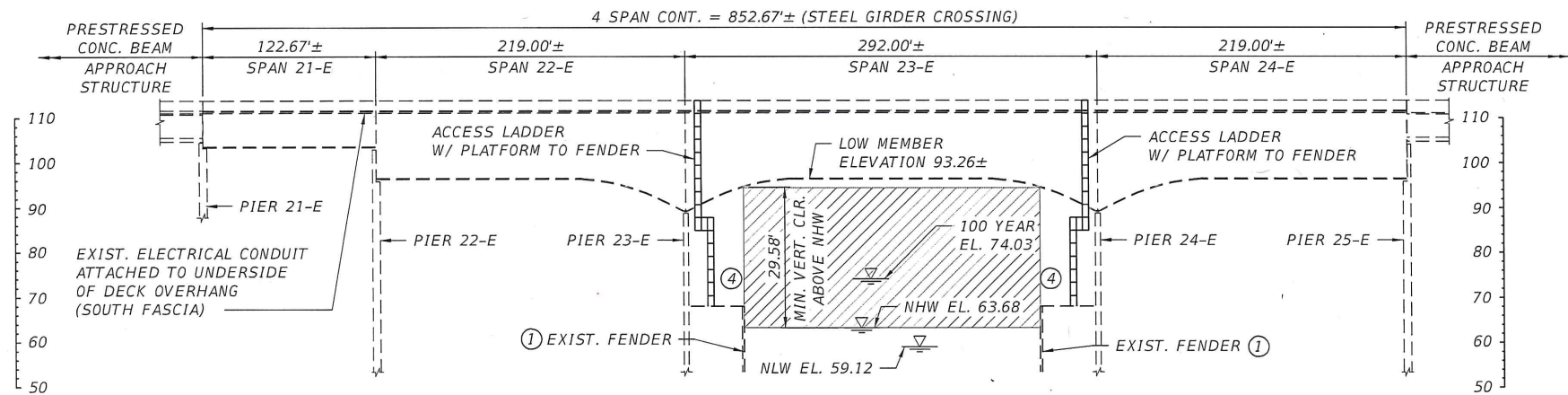
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FLORIDA DEPARTMENT OF TRANSPORTATION
CONSULTANT: CONSOR ENGINEERS, LLC

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BRIDGE NO. 500086
BEGIN MP 0.000 TO END MP 1.155
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GADSDEN COUNTY, FLORIDA

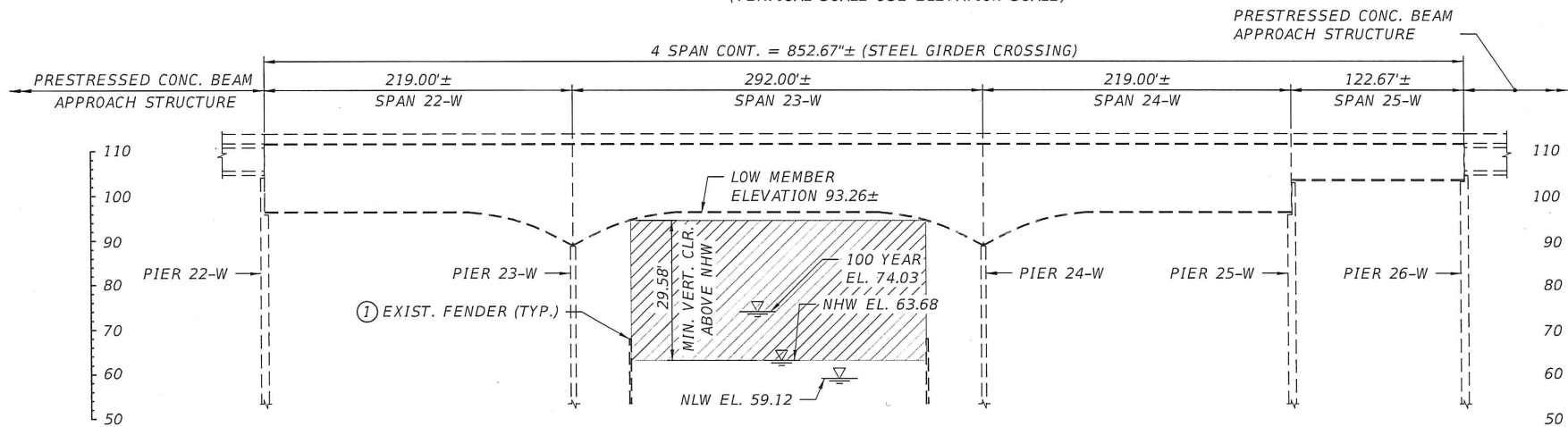
PLAN AND ELEVATION (1 OF 2)

AUGUST 22, 2023 SHEET 2 OF 6

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ELEVATION - EASTBOUND
(VERTICAL SCALE USE ELEVATION SCALE)



ELEVATION - WESTBOUND
(VERTICAL SCALE USE ELEVATION SCALE)

BRIDGE NOS. 500086 & 500087

NOTES:

1. SEE SHEET 2 OF 6 FOR NOTES, WORK IDENTIFICATION AND LEGEND.

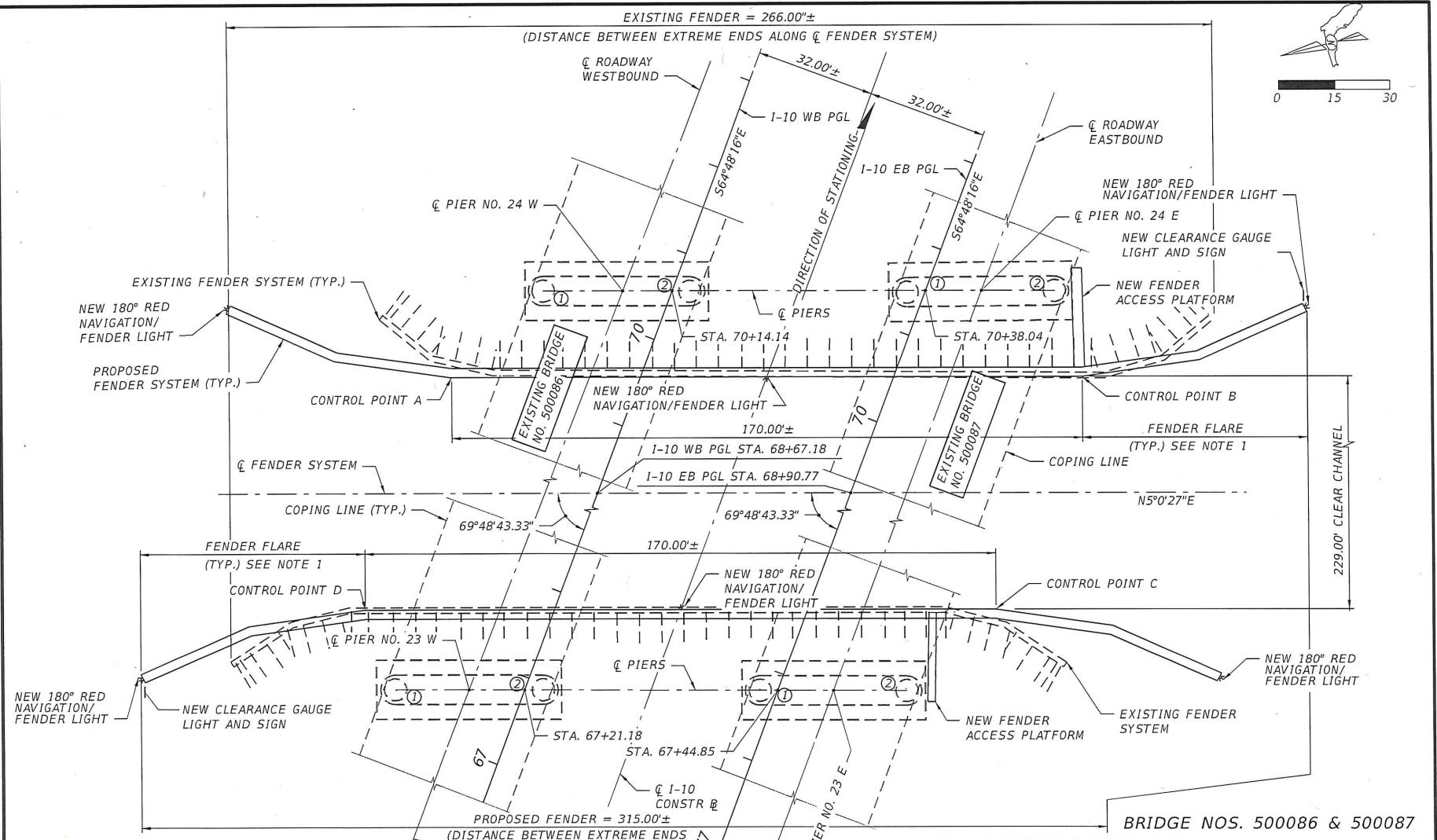
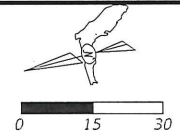
APPLICANT:
FLORIDA DEPARTMENT OF TRANSPORTATION
CONSULTANT: CONSOR ENGINEERS, LLC

SR 8 (I-10) OVER APALACHICOLA RIVER
BRIDGE NO. 500086
BEGIN MP 0.000 TO END MP 1.155
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GADSDEN COUNTY, FLORIDA

PLAN AND ELEVATION (2 OF 2)

AUGUST 22, 2023 SHEET 3 OF 6

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CONTROL POINT DATA

	STATION	OFFSET
CONTROL POINT A	69+71.61	47.78
CONTROL POINT B	70+30.34	47.78
CONTROL POINT C	67+86.24	47.82
CONTROL POINT D	67+27.51	47.74

LEGEND
 ⊕ PIER COLUMN NUMBER

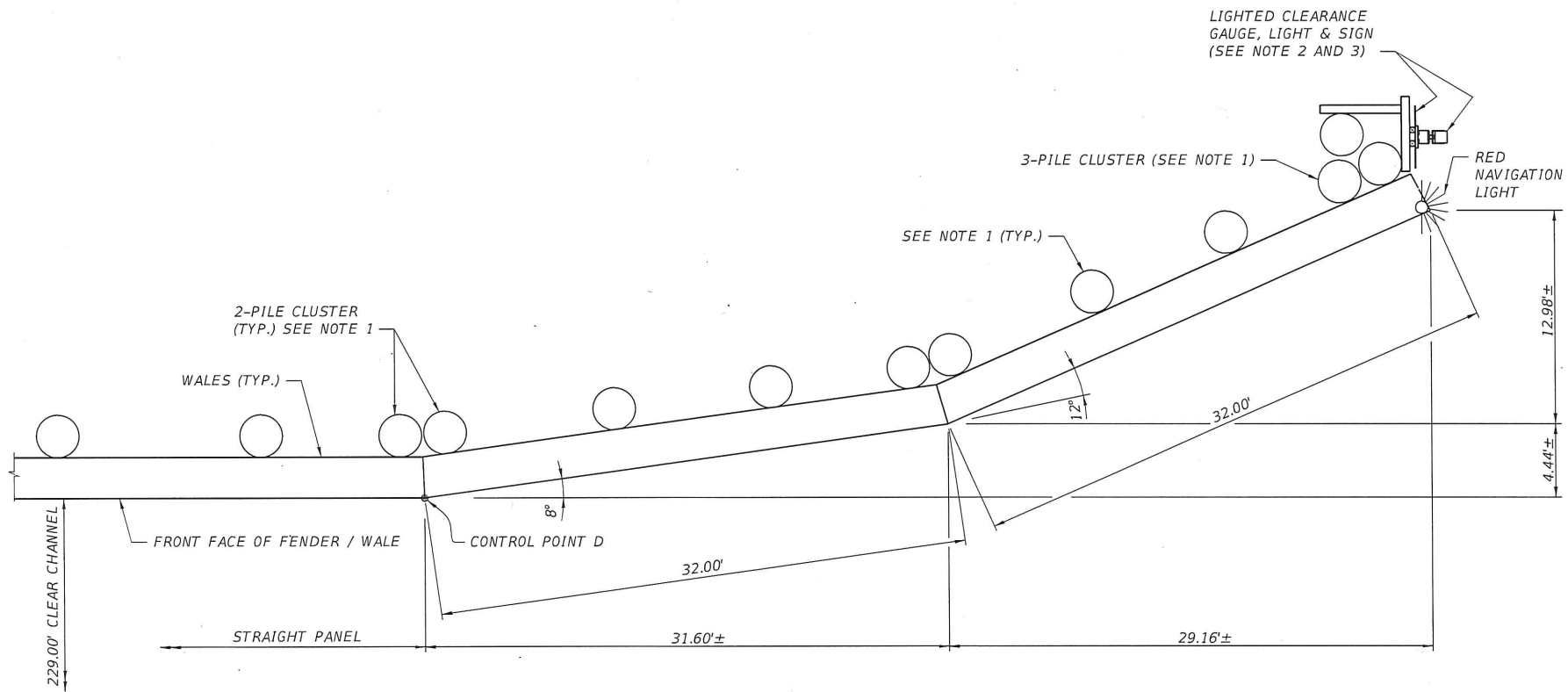
PLAN

NOTES:

1. SEE PARTIAL SCHEMATIC PLAN VIEW (FLARE SECTION) SHEET FOR FENDER SYSTEM FLARE DETAILS.

APPLICANT: FLORIDA DEPARTMENT OF TRANSPORTATION CONSULTANT: CONSOR ENGINEERS, LLC
SR 8 (I-10) OVER APALACHICOLA RIVER BRIDGE NO. 500086 BEGIN MP 0.000 TO END MP 1.155 BRIDGE NO. 500087 BEGIN MP 0.000 TO END MP 1.037 GADSDEN COUNTY, FLORIDA
SCHEMATIC PLAN VIEW OF NEW FENDER SYSTEM
AUGUST 22, 2023 SHEET 4 OF 6

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PARTIAL SCHEMATIC PLAN VIEW
 (FLARE AT CONTROL POINT D, CONTROL POINTS A, B & C SIMILAR)
 (CATWALK AND HANDRAIL NOT SHOWN FOR CLARITY)

BRIDGE NOS. 500086 & 500087

APPLICANT:
 FLORIDA DEPARTMENT OF TRANSPORTATION
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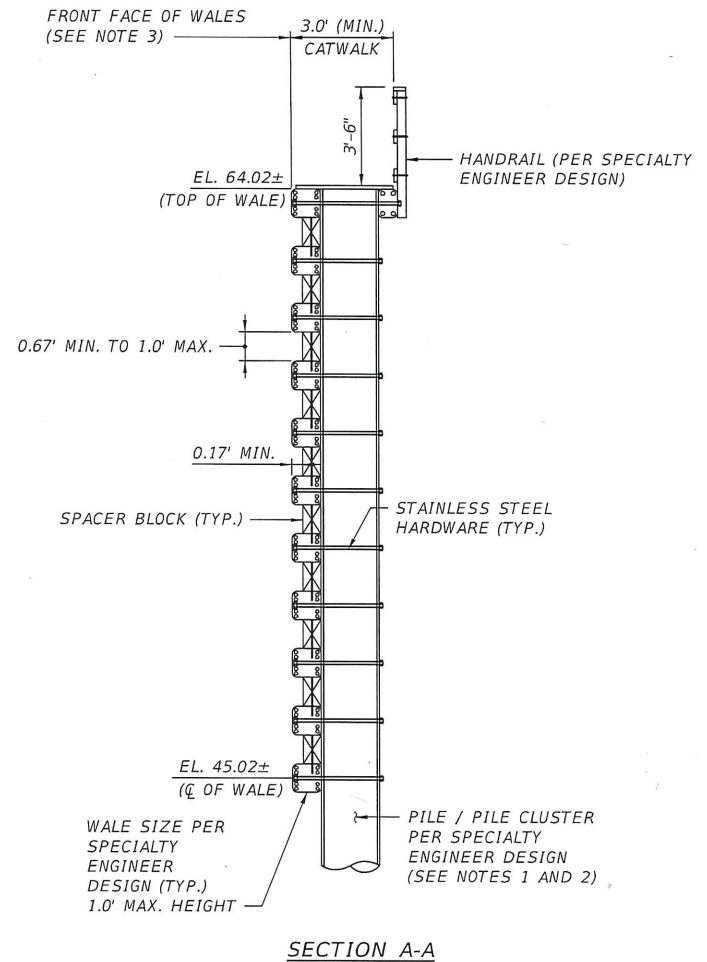
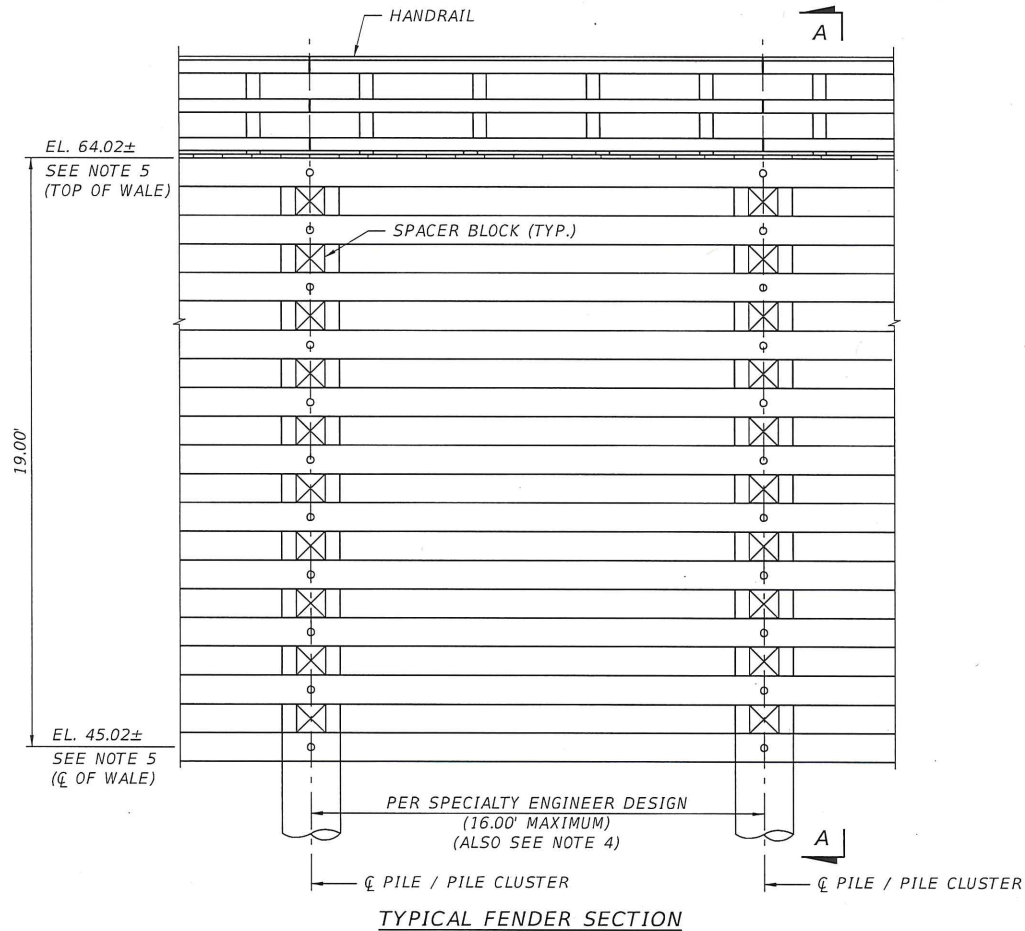
PARTIAL SCHEMATIC PLAN VIEW (FLARE SECTION)

AUGUST 22, 2023 SHEET 5 OF 6

NOTE:

1. SIZE AND/OR SPACING OF PILE/PILE CLUSTER PER SPECIALTY ENGINEER DESIGN.
2. SEE SCHEMATIC PLAN VIEW OF NEW FENDER SYSTEM SHEET FOR LOCATION.
3. LIGHTED CLEARANCE GAUGE ASSEMBLY IS SHOWN CONCEPTUALLY. THE CONTRACTOR'S SPECIALTY ENGINEER IS RESPONSIBLE FOR PROVIDING FULL SUPPORT DETAILS, SIMILAR TO WHAT IS SHOWN ON STANDARD PLAN INDEX 471-030, SHEET 6 OF 7.

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SCHEMATIC TYPICAL SECTIONS

AUGUST 22, 2023 SHEET 6 OF 6

NOTES:

1. PROVIDE PILE CLUSTER WITH A MINIMUM OF 2 PILES AT EACH WALE SPLICE LOCATION. LOCATIONS OTHER THAN AT A PILE CLUSTER SHALL BE APPROVED BY THE ENGINEER.
2. PROVIDE PILE CLUSTER AT EACH END OF THE FENDER WITH A MINIMUM OF 3x THE STIFFNESS OF A TYPICAL PILE SECTION ALONG THE LENGTH.
3. RECESS ALL HARDWARE 1/2" MINIMUM FROM FRONT FACE OF WALES.
4. PROVIDE A MINIMUM CLEAR SPACE OF 2.5' BETWEEN PILES OR PILE CLUSTERS.
5. MATCH EXISTING TOP AND BOTTOM OF WALE ELEVATIONS.