U.S. Department of Homeland Security
United States Coast Guard

Commander
First Coast Guard District

Battery Park Building
1 South Street
New York, NY 10004-1466
Staff Symbol: (dpb)
Phone: 617-283-1448

August 3, 2023

PUBLIC NOTICE D01-202-2023

PROPOSED REPLACEMENT OF THE NEIL R. UNDERWOOD BRIDGE ACROSS HAMPTON RIVER IN HAMPTON, NH

All interested parties are notified that the Commander, First Coast Guard District, has received application materials from the New Hampshire Department of Transportation (NH DOT) for a U.S. Coast Guard (USCG) Bridge Permit for approval of the location and plans for replacement of the moveable bridge over Hampton River, a navigable waterway of the United States. The purpose of the project is to replace the existing moveable bridge which carries NH Route 1A with a fixed bridge. The Coast Guard is issuing this Public Notice to solicit information on waterway usage.

WATERWAY AND LOCATION: Hampton River, mile 0.0 in Hampton, Rockingham County, NH. The center of the proposed bridge is located at N 42°53'46", W 070°49'01".

CHARACTER OF WORK: NH DOT proposes to replace the existing structurally deficient single leaf bascule bridge with a fixed bridge. The existing bridge, built in 1949, consists of 13 spans and is 1,193 feet long. There are 12 approach spans approximately 94 feet in length. The span over the navigation channel is a single leaf bascule with a structural span length of approximately 65 feet and horizontal clearance of 40 feet. The proposed bridge will be built on a new alignment approximately 60 feet west (shoreward) of the existing bridge. The span over the navigation channel will be 195 feet long, providing a 150-foot-wide navigation channel with a vertical clearance of 48.25 feet at MHW. Low steel elevation at the edge of the navigation channel is 51.7 ft.

	Horizontal Clearance	Vertical Clearance
Existing Bridge	40 ft	18.0 ft MHW (closed) 26.2 ft MLW (closed) Unlimited (open)
Proposed Bridge	150 ft	48.2 ft MHW 56.4 ft MLW

(North American Datum 1983, based on mean 8.2 ft tidal range.)

During construction, a temporary trestle will be installed west of the proposed bridge location to provide access for the proposed bridge construction. Once the temporary trestle is installed, drilled shaft foundations will be installed for the proposed piers. Next, cofferdams will be installed to construct the footings for piers 1 and 6, while precast concrete forms will be installed to construct the footings for piers 2 through 5. Once the pier footings are constructed, the cofferdams will be removed and the remaining pier construction will commence. Abutments will be constructed followed by the superstructure. Once the proposed bridge is constructed, the temporary trestle will be removed.

After the proposed bridge is constructed and in service, a temporary trestle will be installed east of the existing bridge to provide construction access for existing bridge removal. The existing superstructure will be removed. Temporary cofferdams will be installed at each of the existing bridge piers and the existing piers removed. Once the piers are removed, temporary cofferdams will be removed, and the temporary trestle removed.

During construction and demolition activities, some equipment may partially block the navigation channel. NH DOT and the Coast Guard will coordinate with the effected maritime community to minimize impacts. The Coast Guard will issue a Local Notice to Mariners and Broadcast Notice to Mariners to advise the maritime community of these impacts.

ENVIRONMENTAL CONSIDERATION:

The Federal Highway Administration (FHWA) is the lead federal agency for satisfying the requirements of the National Environmental Policy Act (NEPA). The lead federal agency acts on behalf of the USCG for all environmental control laws. A Final Environmental Assessment was issued in February 2022 and a Finding of No Significant Impact (FONSI) was signed by the FHWA on March 30, 2022, pursuant to NEPA, as amended. The U.S. Coast Guard has tentatively determined that the proposed action will not have a significant impact for purposes of NEPA and plans to issue a FONSI for the project. FHWA NEPA documents are available for review at the NH DOT website: https://www.nh.gov/dot/projects/seabrookhampton15904/index.htm .

The existing and proposed bridges are located in the floodplain. The FEMA 100-year Base Flood Elevation (BFE) (NAVD88) at the bridge and within the harbor to the west is 9 feet. Immediately east of the bridge, the BFE for Hampton Harbor Inlet is 14 feet and further east toward the Atlantic Ocean, the BFE is 16 feet. The low steel elevation is 48.25 feet.

Water Quality Certifications for the project are covered under the following general permits: Army Corps of Engineers 2022 State Programmatic General Permit NH General Permit | USACE, the EPA Small MS4 General Permit which can be accessed at New Hampshire Small MS4 General Permit | US EPA, and the EPA's Construction General Permit available at 2022 Construction General Permit (CGP) | US EPA.

SOLICITATION OF COMMENTS:

Mariners are requested to comment on the placement of a bridge protective system and other navigational safety issues, including the need for clearance gauges and extent of nighttime

navigation passing under the bridge to determine the need for bridge lighting. Boat owners in the project vicinity are requested to provide information about their vessels including type of vessel, length overall, draft, beam, and height from the waterline to the highest fixed point and to appurtenances (e.g., tuna towers, flying bridges, fixed antennas and radar units).

Interested parties are requested to express their views in writing on the proposed bridge project, giving sufficient detail to establish a clear understanding of their reasons for support of or opposition to the proposed work. Comments will be received for the record at the address above or by e-mail to SMB-D1Boston-Bridges-PublicNotices@uscg.mil through September 3, 2023.

We will forward comments of an environmental nature such as those regarding wildlife refuges, waterfowl refuges, public parks, historic sites, wetlands, floodplain issues, air, water quality, etc. to the FHWA for appropriate handling.

It is requested that this information be brought to the attention of any person having an interest who may not have received a copy of this public notice.

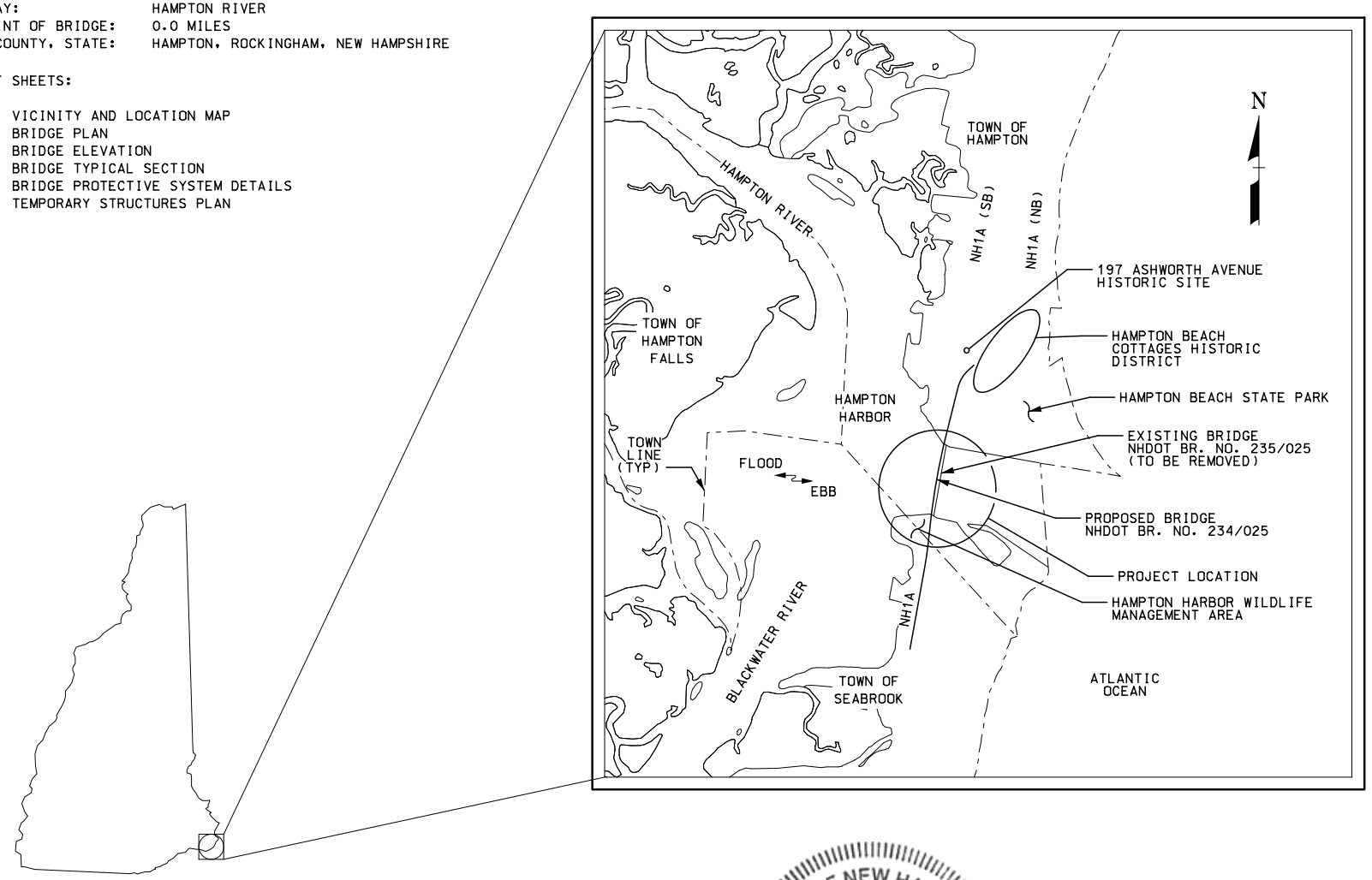
Concept plans of the proposed project and a location map are included in this public notice.

D. A. Fisher
Bridge Program Manager
U.S. Coast Guard
By direction

USCG BRIDGE PERMIT PLANS

APPLICANT/OWNER:	NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDOT)
CONSULTANT/AGENT:	HDR, INC.
BRIDGE NAME:	HAMPTON HARBOR BRIDGE (NHDOT BR. NO. 234/025)
WATERWAY:	HAMPTON RIVER
MILEPOINT OF BRIDGE:	0.0 MILES
CITY, COUNTY, STATE:	HAMPTON, ROCKINGHAM, NEW HAMPSHIRE

LIST OF SHEETS:



USCG PERMIT PLANS NOT FOR CONSTRUCTION

DGN. NAME
15904_CGP_Loc
DATE
6/29/2023
SCALE
AS NOTED

0 0.5 1
MILES

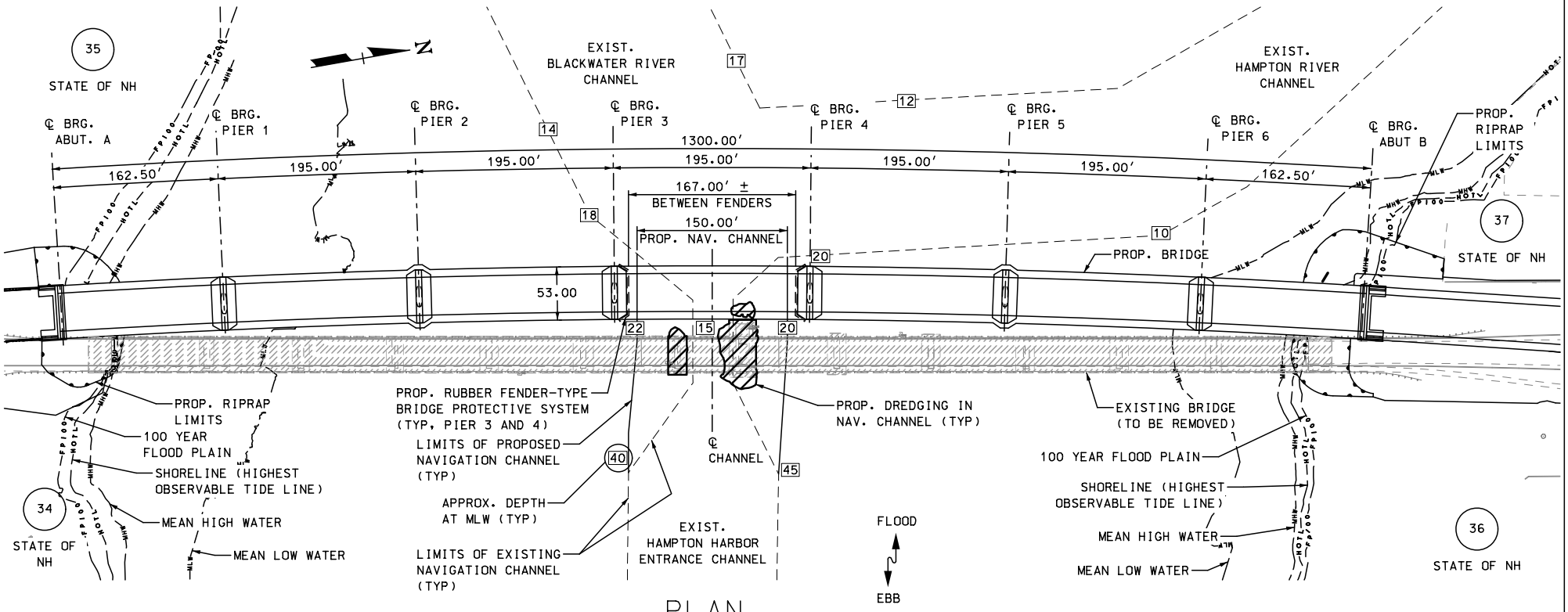
VICINITY AND LOCATION MAP

PROPOSED HAMPTON HARBOR BRIDGE REPLACEMENT
NH ROUTE 1A (OCEAN BOULEVARD) OVER HAMPTON RIVER AT MILEPOINT 0.0
IN THE TOWN OF HAMPTON, COUNTY OF ROCKINGHAM

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION - BUREAU BRIDGE DESIGN

FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
X-A001(026)	15904	1	6



PLAN

NOTES:

1. ELEVATIONS ARE IN REFERENCE TO THE NAVD88 VERTICAL DATUM.
2. [XX] DENOTES APPROXIMATE CHANNEL DEPTH AT MLW, BASED ON 2022 BATHYMETRIC SURVEY.

USCG PERMIT PLANS NOT FOR CONSTRUCTION

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6/29/2023
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BRIDGE PLAN

PROPOSED HAMPTON HARBOR BRIDGE REPLACEMENT
NH ROUTE 1A (OCEAN BOULEVARD) OVER HAMPTON RIVER AT MILEPOINT 0.0
IN THE TOWN OF HAMPTON, COUNTY OF ROCKINGHAM

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION - BUREAU BRIDGE DESIGN

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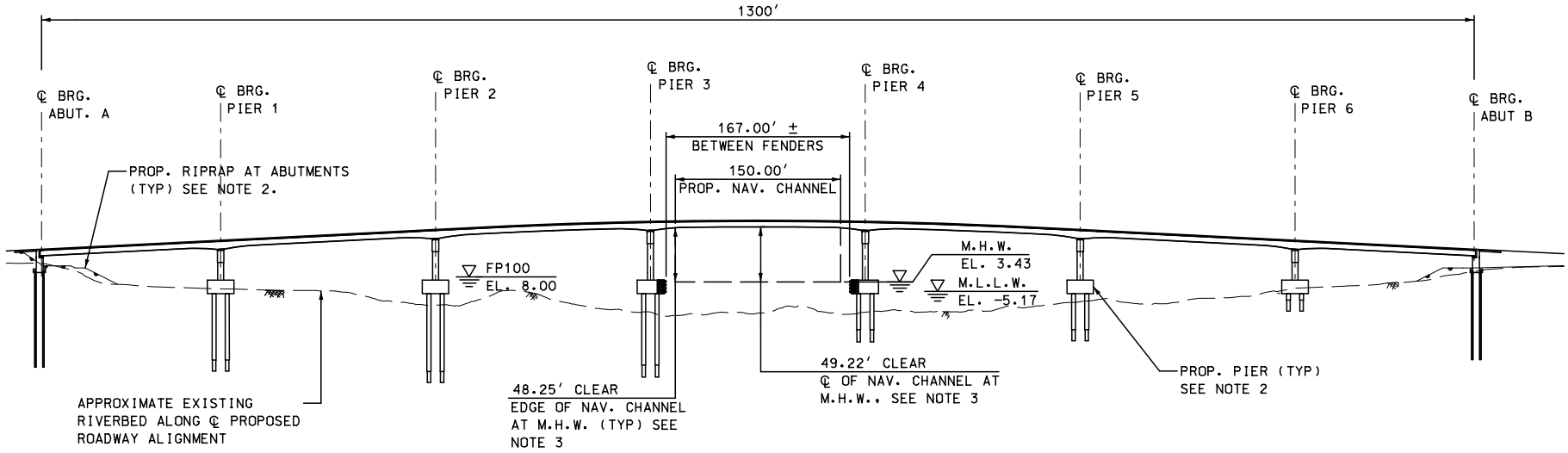

ELEVATION

NOTES:

1. ELEVATIONS ARE IN REFERENCE TO THE NAVD88 VERTICAL DATUM.
2. FILL MATERIAL BELOW M.H.W. DUE TO PROPOSED RIPRAP AT ABUTMENTS IS 488 CY.
   FILL MATERIAL BELOW M.H.W. DUE TO PROPOSED PIER CONSTRUCTION IS 4187 CY.
   TOTAL FILL MATERIAL BELOW M.H.W. IS 4675 CY.
3. LOW STEEL ELEVATION AT EDGE OF NAVIGATION CHANNEL IS 51.68'.
   LOW STEEL ELEVATION AT ℄ OF NAVIGATION CHANNEL IS 52.65'.

USCG PERMIT PLANS NOT FOR CONSTRUCTION

DGN. NAME
15904_CGP_PlanElev
DATE
6/29/2023
SCALE
AS NOTED

0 150 300
FEET

BRIDGE ELEVATION

PROPOSED HAMPTON HARBOR BRIDGE REPLACEMENT
NH ROUTE 1A (OCEAN BOULEVARD) OVER HAMPTON RIVER AT MILEPOINT 0.0
IN THE TOWN OF HAMPTON, COUNTY OF ROCKINGHAM

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION - BUREAU BRIDGE DESIGN

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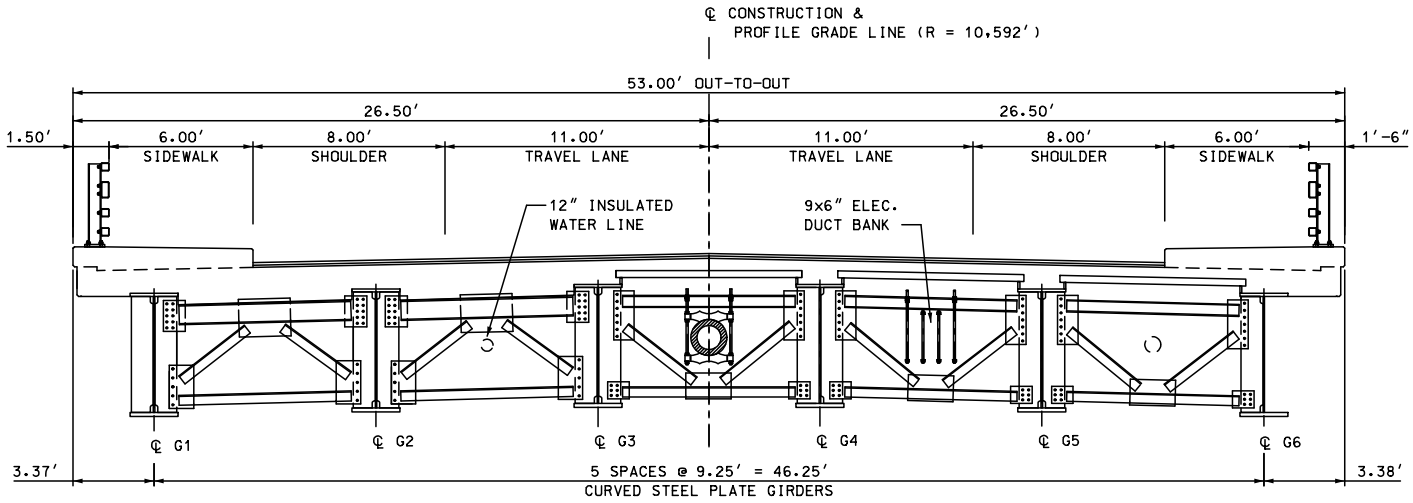
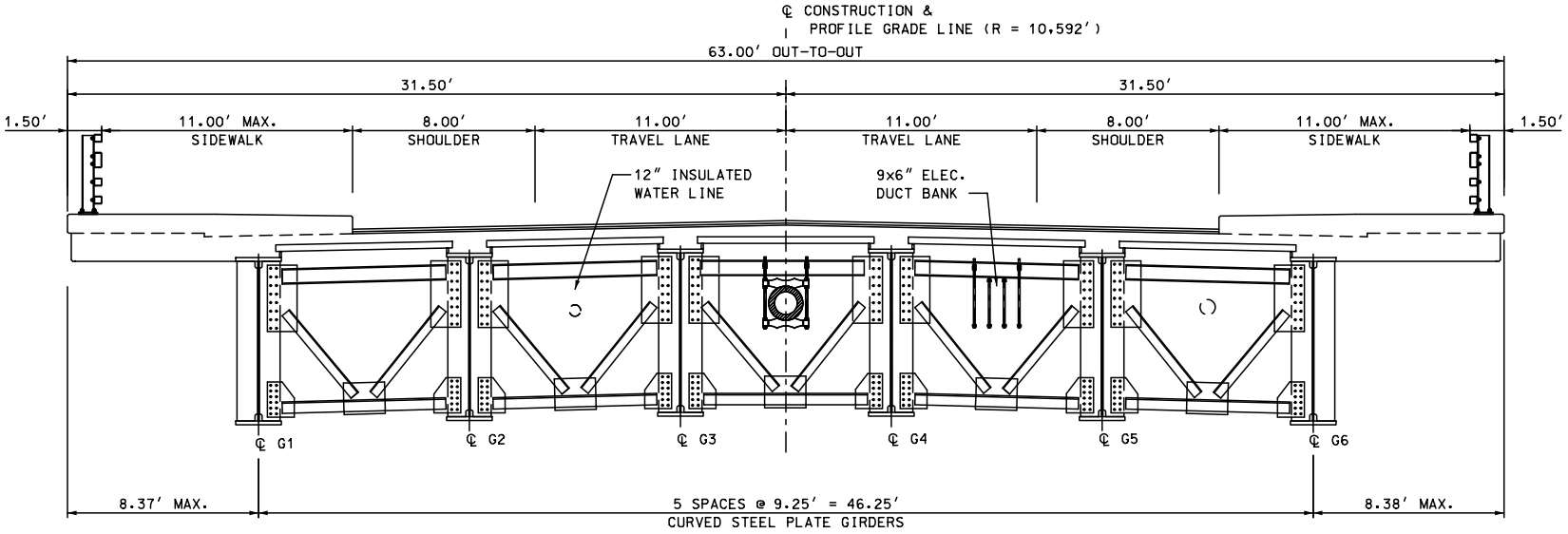


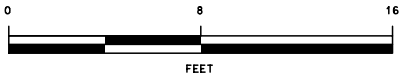
BRIDGE TYPICAL SECTION



BRIDGE SECTION OVER PIERS 2 & 5

USCG PERMIT PLANS
NOT FOR
CONSTRUCTION

DGN. NAME
15904_CGP_Typ
DATE
6/29/2023
SCALE
AS NOTED



BRIDGE TYPICAL SECTION

PROPOSED HAMPTON HARBOR BRIDGE REPLACEMENT
NH ROUTE 1A (OCEAN BOULEVARD) OVER HAMPTON RIVER AT MILEPOINT 0.0
IN THE TOWN OF HAMPTON, COUNTY OF ROCKINGHAM

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION - BUREAU BRIDGE DESIGN

FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
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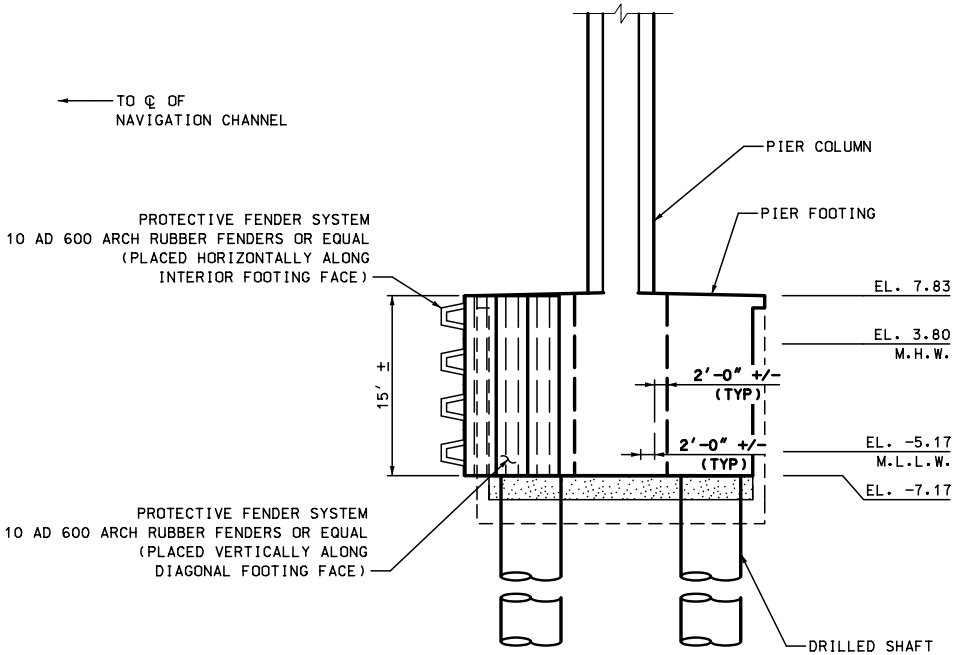
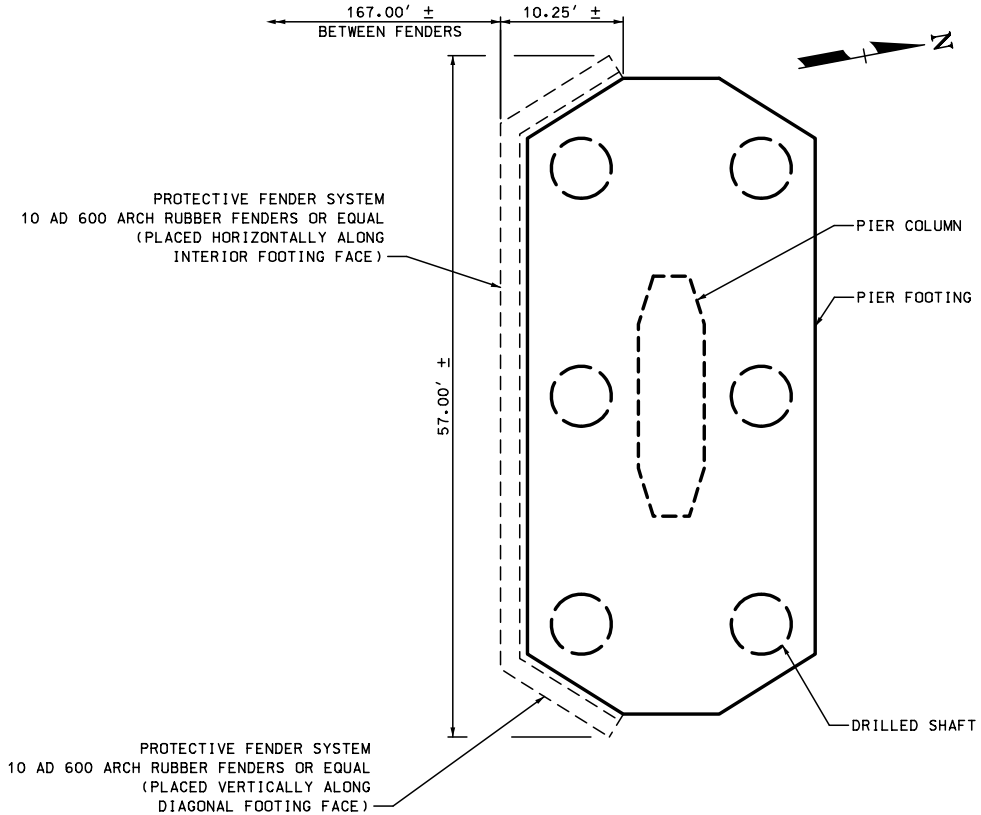


PIER 4 ELEVATION



PIER 4 PLAN

NOTE:

PROTECTIVE FENDER SYSTEM TO BE PROVIDED AT PIERS 3 AND 4 ON SIDES FACING NAVIGATION CHANNEL. PIER 4 SHOWN, PIER 3 OPPOSITE HAND.

USCG PERMIT PLANS
NOT FOR
CONSTRUCTION

DGN. NAME
15904_CGP_Fender
DATE
6/29/2023
SCALE
AS NOTED

0 16 32
FEET

BRIDGE PROTECTIVE SYSTEM DETAILS

PROPOSED HAMPTON HARBOR BRIDGE REPLACEMENT
NH ROUTE 1A (OCEAN BOULEVARD) OVER HAMPTON RIVER AT MILEPOINT 0.0
IN THE TOWN OF HAMPTON, COUNTY OF ROCKINGHAM

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION - BUREAU BRIDGE DESIGN

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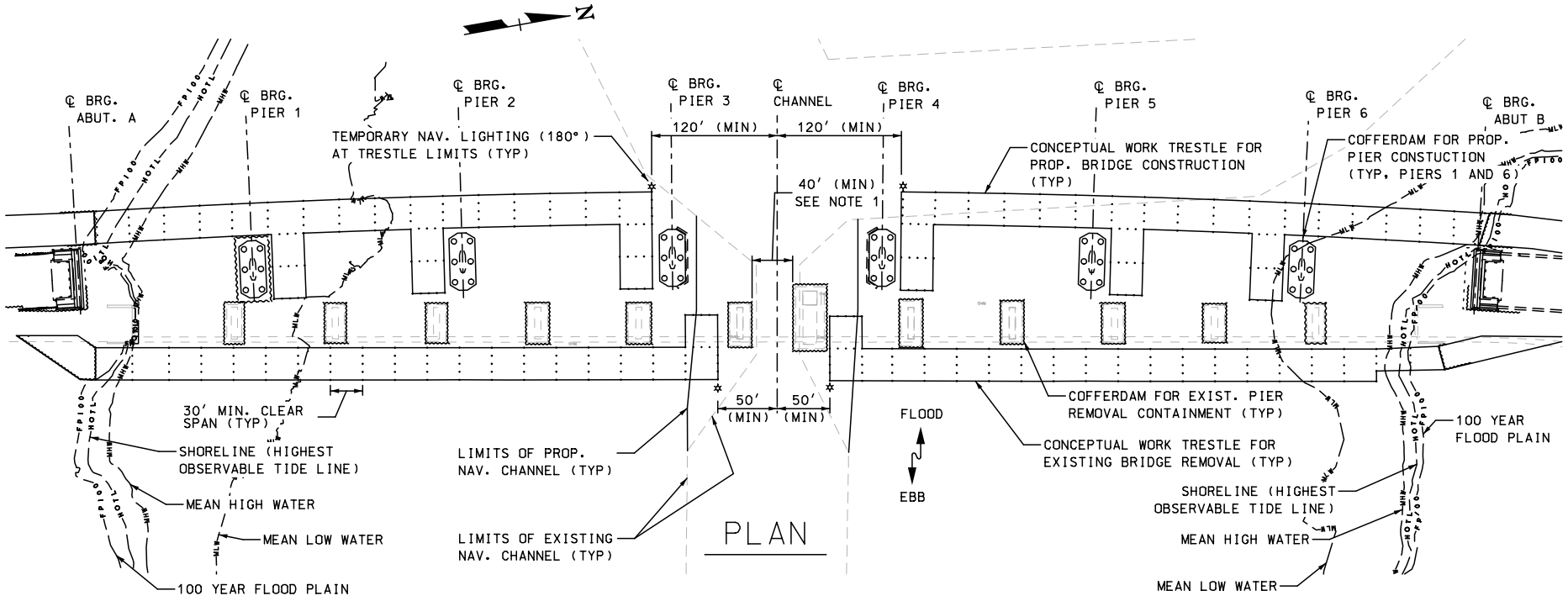
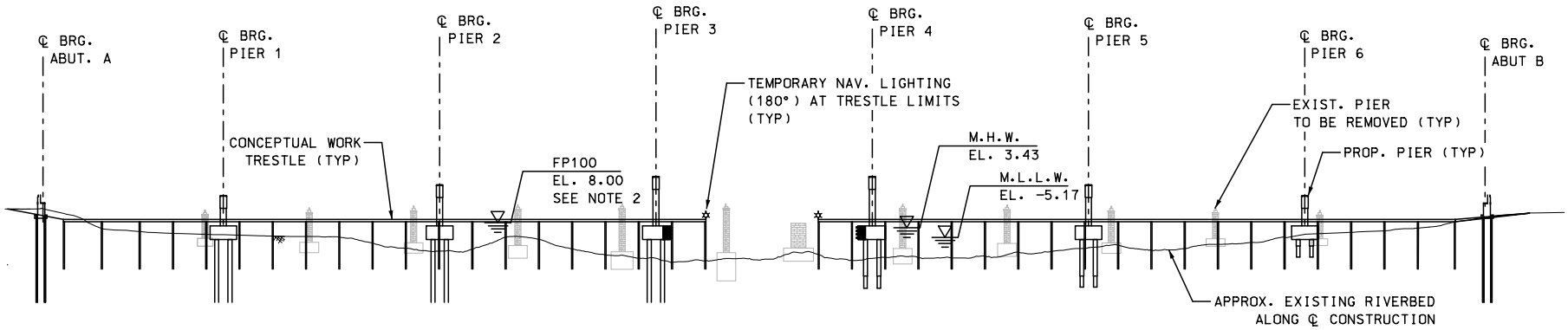
X-A001(026)	15904	5	6



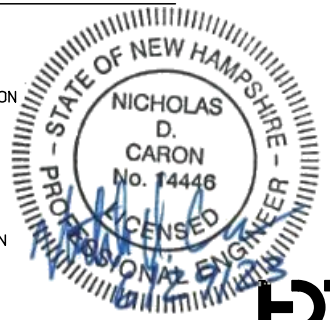


NOTES:

1. THE REMOVAL OF THE EXISTING PIERS ADJACENT TO THE EXISTING NAVIGATION CHANNEL AND THE CORRESPONDING COFFERDAM CONSTRUCTION SHALL BE PHASED SUCH THAT A MINIMUM 40-FOOT-WIDE AND 8-FOOT-DEEP (AT MLLW) NAVIGATION CHANNEL IS MAINTAINED. THIS WILL REQUIRE REMOVAL OF ONE COFFERDAM PRIOR TO INSTALLATION OF THE OTHER.

2. TEMPORARY TRESTLES SHALL PROVIDE AND MINIMUM FREEBOARD OF 1 FOOT ABOVE THE DESIGN FLOOD ELEVATION (FP100 = 8.0 FEET) AND A MINIMUM SPAN LENGTH OF 30 FEET.

3. TEMPORARY TRESTLES AND COFFERDAMS WILL BE DESIGNED BY CONTRACTOR DURING CONSTRUCTION AND SUBMITTED TO USCG AS REQUIRED.



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FEET

USCG TEMP. WORKS PLAN NOT FOR CONSTRUCTION

DGN. NAME
15904_CGP_TempWorks
DATE
6/29/2023
SCALE
AS NOTED

TEMPORARY STRUCTURES PLAN

PROPOSED HAMPTON HARBOR BRIDGE REPLACEMENT
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STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION - BUREAU BRIDGE DESIGN

FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
X-A001(026)	15904	1	1