

Commander United States Coast Guard Seventh District 909 SE 1st Avenue Miami, Florida 33131 Staff Symbol: (dpb) Phone: (305) 415-6743 Fax: (305) 415-6763 Email: Andi.Maris@uscg.mil

16591/3383 January 20, 2022

# **PUBLIC NOTICE (01-22)**

All interested parties are herein notified that the Commander, Seventh Coast Guard District, has received application materials from the Florida Department of Transportation (FDOT) requesting the approval of location and plans for the replacement of a fixed highway bridge over a navigable waterway of the United States.

**WATERWAY AND LOCATION:** Earman River (C-17 Canal), mile 0.25, on U.S. Highway 1/State Route 5 at North Palm Beach, Palm Beach County, Florida. Latitude/Longitude: 26.808528, -80.056123.

CHARACTER OF WORK: The project proposes the replacement of the existing fixed-span US-1/SR-5 Bridge crossing Earman River (C-17 Canal) along the same alignment. The proposed bridge is a 3-span, fixed concrete slab structure accommodating six (6) vehicle travel lanes and a sidewalk on each side of the bridge. The support piles of the proposed bridge will be driven by impact hammer with cushion blocks and equipment will be placed on the east and west approaches to the bridge. The proposed bridge will have stormwater collection and treatment to improve water quality prior to release into the water. This is an improvement over the current bridge, which has scuppers allowing stormwater to drain directly into the Earman River (C-17 Canal). The length of the existing and proposed bridge is approximately 137 feet. The out-to-out width of the existing bridge is approximately 100 feet. The out-to-out width of the proposed bridge will be approximately 119 feet. The existing bridge will remain open during construction of the proposed bridge. Construction will be phased so that traffic flow can be maintained and vehicular traffic will be shifted to facilitate construction. All parts of the existing bridge will be removed entirely and associated substructures (including piles) will be removed to a minimum of two (2) feet below the existing natural bottom of the waterway.

# **MINIMUM NAVIGATIONAL CLEARANCES:**

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

**Existing Clearances** 

Horizontal:

33 feet between face of piles

**Proposed Clearances** 

Horizontal:

44.25 feet between piles

Vertical:

9.61 feet above Mean High Water 12.41 feet above Mean Low Water

Vertical:

11.22 feet above Mean High Water 14.03 feet above Mean Low Water

**Datum:** North American Vertical Datum of 1988 (NAVD 88) (Existing and Proposed bridges)

#### **ENVIRONMENTAL CONSIDERATIONS:**

The FDOT, through the Federal Highway Administration (FHWA), is the lead federal agency for satisfying requirements of the National Environmental Policy Act (NEPA). The FDOT, acting on behalf of the U.S. Coast Guard (USCG) for all environmental control laws, has determined that the project qualifies as a Type 1 Categorical Exclusion (CATEX) for the purposes of the NEPA.

A CATEX document will be generated subsequent to the approval of the South Florida Water Management District (SFWMD) Right of Way Permit and the U.S. Army Corps of Engineers Section 404 Dredge and Fill Permit and Section 408 Review. The USCG has acted as a cooperating agency during the NEPA process and has tentatively determined that the proposed action qualifies as a CATEX because it satisfies criteria for such actions listed in the USCG's NEPA Implementing Instructions and the Department of Homeland Security Directive 023-01 (series). Documents are available for review at the above address, Monday through Friday, 8:00 a.m. to 4:00 p.m.

The bridge is located in the floodplain. The 100-year flood elevation is 6.60 feet, while elevation of the low steel member of the navigation span is 11.58 feet; elevations are referenced to NAVD 88 datum. Approximately 475 cubic yards of fill material will be placed below mean high water level for the construction of the bridge and its approaches.

The SFWMD is the certifying agency, as defined in 40 C.F.R. § 121.1(e), for issuance of Water Quality Certification pursuant to Section 401, Public Law 92-500, 33 U.S. Code (U.S.C.) § 1341. In accordance with Florida Administrative Code (F.A.C.), issuance of an Environmental Resource Permit (ERP) constitutes certification of compliance with applicable water quality standard. The SFWMD has approved a General ERP for this project (#50-104891-P; April 16, 2021). Furthermore, the applicant determined that the project complies with the Coastal Zone Management Act; whereby, the issuance of the ERP shall constitute the state's concurrence that the activity is consistent with the enforceable policies included in the Florida's Coastal Zone Management Program (F.A.C. Rule 62-330.062 and 33 U.S.C. § 1341).

### **REMOVAL OF EXISTING BRIDGE:**

Equipment will be placed on the existing bridge, as well as the north and south bridge approaches for removal/demolition; land-based cranes will be utilized for pile driving by impact hammer and for beam placement. The existing bridge will remain open during construction activities; vehicular traffic will be maintained until such time that the traffic is shifted onto the new bridge.

### ANTICIPATED IMPACTS TO NAVIGATION DURING CONSTRUCTION:

Demolition and construction activities are not anticipated to significantly impact maritime traffic. Impacts to navigation during demolition and construction may include possible temporary waterway closures when overhead or in-water work is being conducted. Details of construction activities, which may impact navigation in the vicinity bridge site, will be published in the Coast Guard's Local Notice to Mariners (LNM).

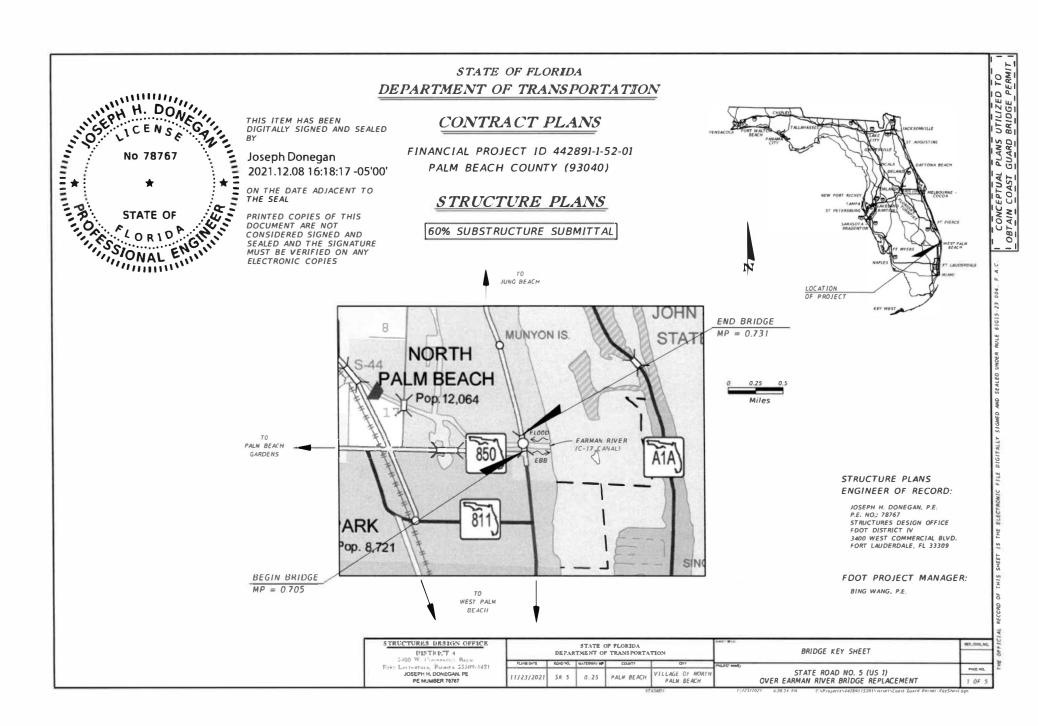
To subscribe to the Coast Guard LNM and other free Coast Guard navigation notification services, please visit <a href="http://www.navcen.uscg.gov/">http://www.navcen.uscg.gov/</a> under "Subscribe / Report (free)" select the notifications you wish to receive; note this project is located in the Seventh Coast Guard District area.

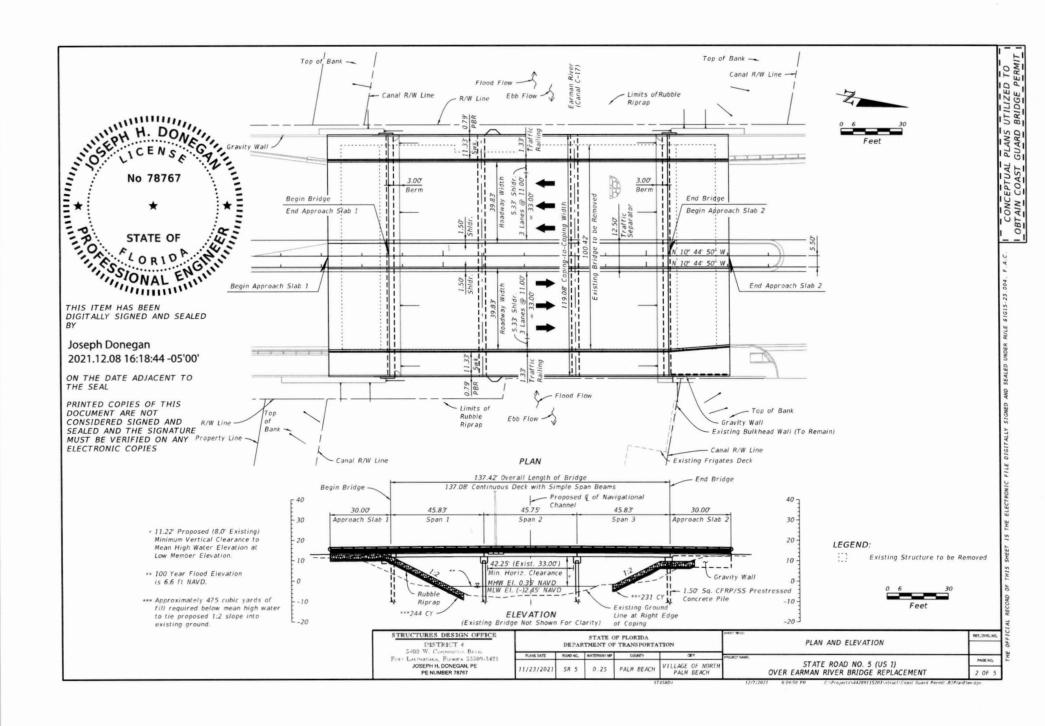
# **SOLICITATION OF COMMENTS:**

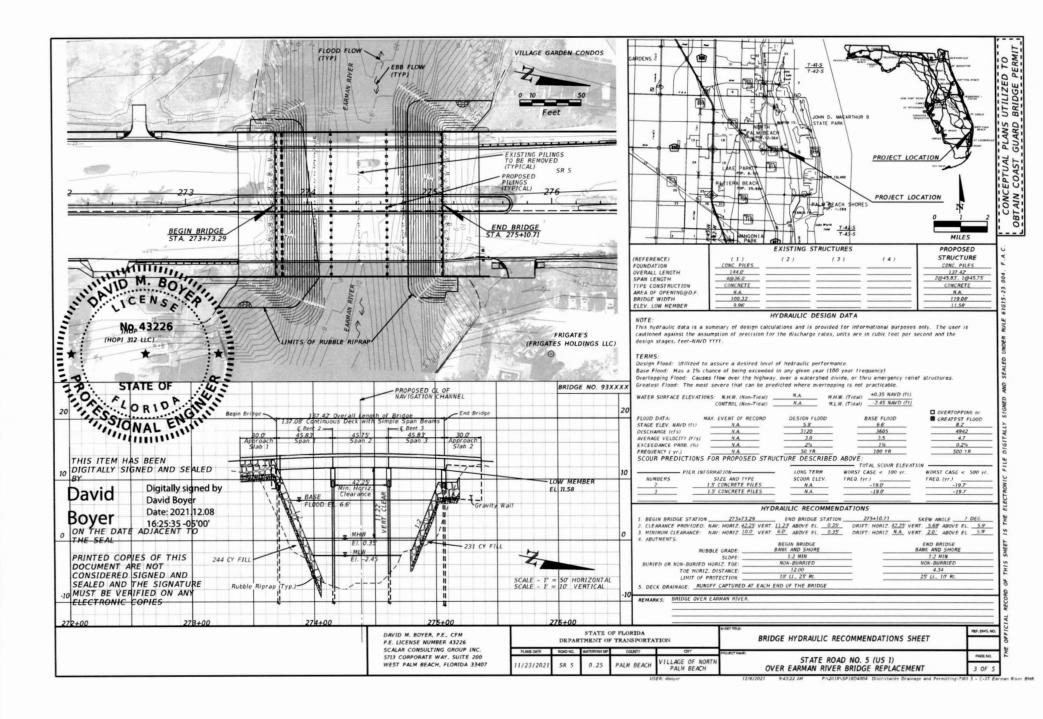
Mariners are requested to comment on the proposed vertical and horizontal navigational clearances, the need for a bridge protective fendering system and other navigational safety issues including the extent of nighttime navigation at the bridge site.

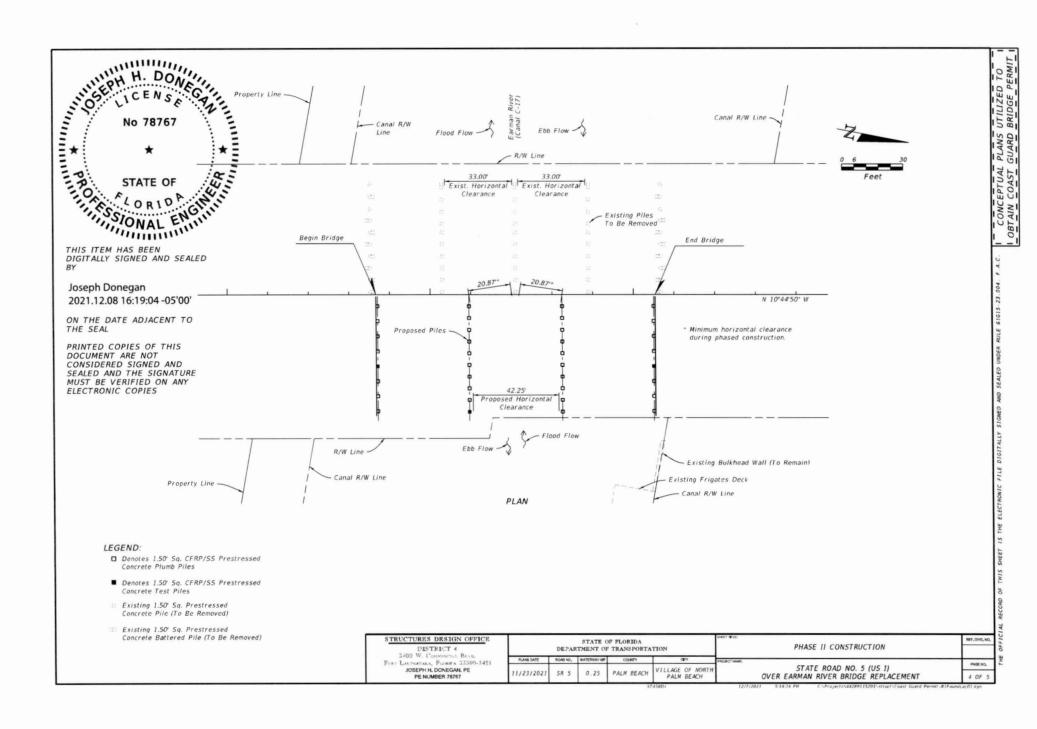
Interested parties are requested to express their views, in writing, on the proposed bridge project including its possible impact on minority and/or low income population, if any, giving sufficient detail to establish a clear understanding of reasons for support of, or opposition to, the proposed work. Comments will be received for the record at the office of: Commander (dpb), Seventh Coast Guard District, 909 SE 1st Ave., Ste. 432, Miami, Florida 33131-3028 or via email at: <a href="mailto:Andi.Maris@uscg.mil">Andi.Maris@uscg.mil</a>, for a 30-day period from the date of this public notice. The Coast Guard project manager for this application is Ms. Andi Maris, who can be contacted by mail at the above address or by e-mail. Comments received will be made part of the project administrative record.

Map of location and plans attached.

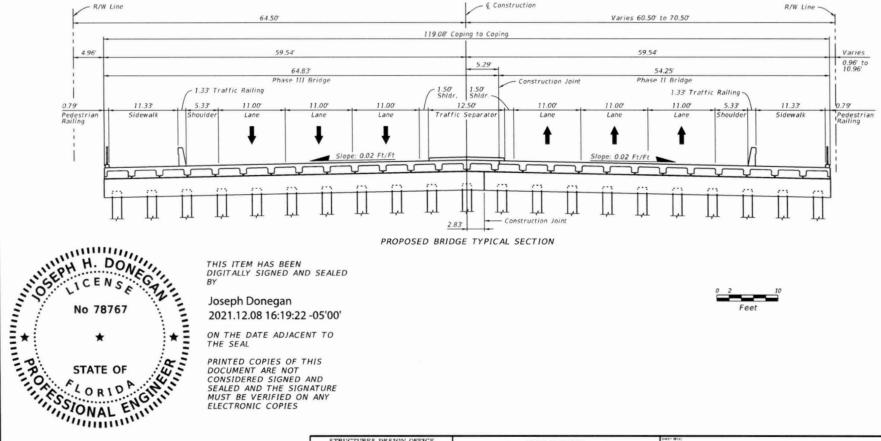








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THIS ITEM HAS BEEN

Joseph Donegan

DIGITALLY SIGNED AND SEALED

2021.12.08 16:19:22 -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** 



STRUCTURES DESIGN OFFICE STATE OF FLORIDA BRIDGE TYPICAL SECTION DISTRICT 4 DEPARTMENT OF TRANSPORTATION 5400 W. CGAMERCIAI, BLAU. FORE LAUDERIALS, FLORITA 33309-3421 PLANS DATE STATE ROAD NO. 5 (US 1) OVER EARMAN RIVER BRIDGE REPLACEMENT JOSEPH H, DONEGAN, PE PE NUMBER 78767 VILLAGE OF NORTH 11/23/2021 SR 5 0.25 PALM BEACH