

U.S. Department of
Homeland Security

United States
Coast Guard



Commander
Seventh Coast Guard District

909 SE 1st Ave.
Miami, FL 33131

Staff Symbol: (dpb)
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16591/3910
February 8, 2013

PUBLIC NOTICE 04-13

The Commander, Seventh Coast Guard District has received an application from the State of Florida, Department of Transportation (FDOT - the bridge owner), District 2 at 1109 South Marion Avenue, MS 2007, Lake City, FL 32025, requesting approval of the location and plans to replace the existing Sisters Creek two lane bascule bridge with a high-level fixed two lane bridge structure number 720699 across navigable waters of the United States.

WATERWAY AND LOCATION: Sisters Creek (Atlantic Intracoastal Waterway, mile 739.2) on Heckscher Drive, State Road 105, at Jacksonville, Duval County, Florida (Lat: 30°23'38.34"N & Long: 81°27'35.64"W) or at Township 1 South & Range 28 East.

PROJECT DESCRIPTION: The purpose of this project includes both the replacement of the deteriorating bridge and improvement to the pedestrian, bicyclist and navigational vessel movement at the existing bridge. The existing bascule bridge was built 1952 and is in a deteriorated condition. The bascule bridge provides two 12-foot wide travel lanes (one in each direction), 2-foot shoulders and 3.5-foot sidewalks. The existing bridge is 756 feet long and 36.75 feet wide. The proposed high-level fixed bridge will be constructed parallel to and north of the existing bascule bridge within the existing 400-foot wide state right-of-way. The proposed high-level fixed bridge will be 3,430 feet long and include two 12-foot wide travel lanes (one in each direction), two 10-foot wide shoulders and two 6-foot wide sidewalks separated from traffic by crash barriers. The width of the proposed replacement bridge will be 60 feet & 10 inches (out to out). The project will result in improved safety for the traveling public. The proposed replacement bridge will be constructed north of the existing bridge, then traffic will be shifted to the new structure and the existing bascule bridge will be removed from the waterway. This method of construction will accommodate continual vehicular traffic flow during construction. A portion of the existing bascule bridge's western approach spans will remain in place as a fishing pier. The remainder of the existing bridge will be removed down to or below two feet from the bottom of the waterway outside of the 90-foot federal navigation project

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channel and to 18 feet below Mean Low Water within the limits of the federal project channel. No blasting will be employed at any point during the demolition of the existing bascule bridge structure. The estimated costs for this bridge replacement project, including design and construction of the replacement bridge and SR 105 roadway and storm water improvements, are estimated at 54,497,112 dollars.

NAVIGATIONAL CLEARANCES:

Existing Bascule Bridge Clearances -

Horizontal clearance: 80 feet between fenders (face to face)

Vertical clearance: (in the closed position)
24 feet above Mean High Water at center
27.82 feet above Mean Low Water at center

Proposed New Permanent Replacement Bridge Clearances -

Horizontal clearance: 130 feet between fenders (face to face)

Vertical clearance: 65.5 feet above Mean High Water
69.3 feet above Mean Low Water

ENVIRONMENTAL IMPACTS: The Federal Highway Administration (FHWA) is the lead federal agency for the environmental documentation for compliance with the National Environmental Policy Act. The FHWA signed a Type 2 Categorical Exclusion (CE) determination for this proposed bridge replacement project on August 28, 2003. The applicant has stated that although a Reevaluation is pending and only minor changes have occurred to the proposed bridge project on State Road 105, Heckscher Drive Bridge across Sisters Creek (AIWW mile 739.2), the original Type 2 CE document still remains valid and in effect. The original CE is available for review in our office at the address provided in the heading of this public notice.

Sisters Creek is approximately 700 feet in width from bank to bank. Only 5 support piers (Piers 10 thru 14) will be placed in the waterway below Mean High Water, therefore, this bridge replacement project would not result in any floodplain encroachment. The 100-year flood elevation is 8.0 feet mean sea level (MSL), while elevation of the low steel is 21.42 feet MSL. Construction of the proposed high-level fixed bridge would involve the placement of

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6,020 cubic yards of fill material below mean high water affecting 0.16 acres of wetlands. On September 21, 2012, the FDOT applied for the St. Johns River Water Management District's Environmental Resource Permit which (when issued) will provide Water Quality Certification in accordance with Section 401 of the Clean Water Act, as amended, and provide a federal consistency determination under the Coastal Zone Management Act. The proposed bridge replacement project would not take land from, or significantly affect any parks, recreation areas, wildlife or waterfowl refuges, or historical or archaeological sites. In compliance with the Endangered Species Act of 1973 special conditions for the protection of the manatee, sea turtles and the shortnose sturgeon will be incorporated in the state's Environmental Resource Permit. Based on the Categorical Exclusion determination approved for this project, the bridge replacement project will not require any additional right-of-way acquisition and it appears that the proposed bridge replacement project will have no impact on minority and low income populations. Noise and air pollution associated with the proposed bridge replacement project would increase slightly during construction but will decrease after completion of the project. The project is in the air quality attainment area listed in the State Implementation Plan approved by the Environmental Protection Agency.

SOLICITATION OF COMMENTS: Our final decision about whether to issue or deny this bridge permit for the proposed high-level fixed replacement bridge project will be based on the effects of the project on navigation and the environment. Navigational bridge lighting will be required on this proposed replacement bridge structure.

Interested agencies, organizations, and individuals are invited to express their views, in writing, giving specific reasons for support of or opposition to the proposed bridge replacement project. We especially encourage comments on the adequacy of the proposed navigational clearances, on any other safety issues and on any adverse impacts to minority and low income populations.

All interested agencies and persons are requested to comment on whether the proposed bridge replacement project is likely to jeopardize the continued existence of any endangered or threatened species listed or proposed to be listed in 50 CFR 17.11 & 17.12, or result in the destruction or adverse modification of critical habitat that might be present in the area.

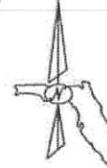
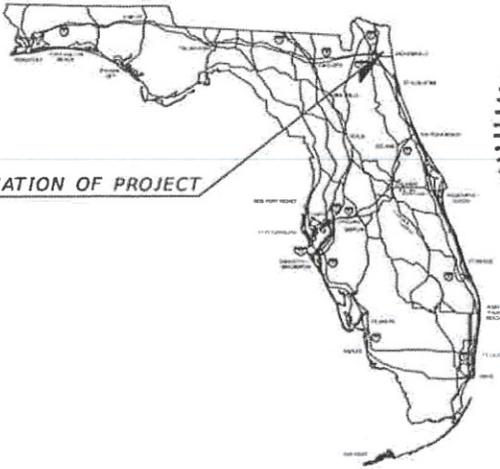
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Comments should be sent to Commander (dpb), Seventh Coast Guard District, Room 432, 909 Southeast 1st Avenue, Miami, Florida 33131-3028, and should be mailed to arrive on or before 30 days from the date of this notice. Our project officer for this application is Mr. Brodie Rich and may be contacted at (305) 415-6736, by e-mail at Brodie.E.Rich@uscg.mil or by the above address.

Map of location and plans attached: (10 sheets for the proposed high-level fixed replacement bridge).

LOCATION OF PROJECT



BEGIN BRIDGE
NO. 720699
STA. 1685+00.00

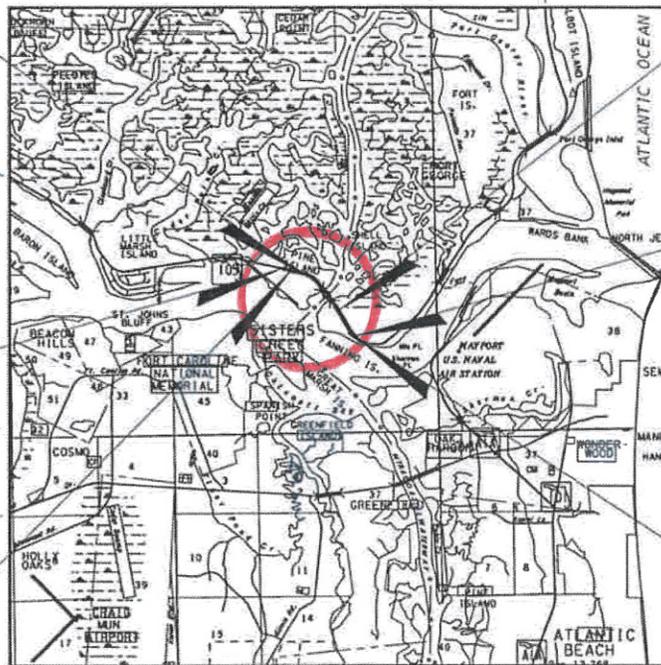
TO JACKSONVILLE

BEGIN PROJECT
STA. 659+00.00
M.P. 11.940

T-1-S
T-2-S

TO JACKSONVILLE

STA. EQUATION:
STA. 679+41.10 BK.=
STA. 1679+41.10 AH



R-28-E
R-29-E

TO TALBOT ISLAND

END BRIDGE
NO. 720699
STA. 1719+30.00

STA. EQUATION:
STA. 1740+09.30 BK.=
STA. 740+14.07 AH

T-1-S
T-2-S

END PROJECT

STA. 743+80.00
M.P. 13.545

TO ST. AUGUSTINE

**PRELIMINARY
SUBJECT TO CHANGE**

APPLICANT: Florida Department of Transportation
CONSULTANT: Kisinger Campo & Associates
BRIDGE NAME: Sister's Creek Bridge (SR105)
WATERWAY NAME: Sister's Creek
MILE POINT: 739.2 AICW
LOCATION: City of Jacksonville, Duval County, Florida
Plans Date: September 12, 2012
LATITUDE: 30°23'38.34" N
LONGITUDE: 81°27'35.64" W



Kisinger Campo & Associates Corp.
201 N. Franklin Street
Suite 400
Tampa, FL 33602
Florida C.O.A. No. 02317
Julian W. Gutierrez, PE No. 48879

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR105	DUVAL	209607-1-52-01

SHEET TITLE:

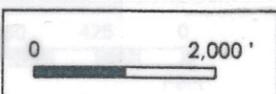
LOCATION MAP

PROJECT NAME:

SISTER'S CREEK BRIDGE REPLACEMENT

SHEET NO.

1 OF 10



Sisters Creek Vicinity Map

APPLICANT: Florida Department of Transportation
 CONSULTANT: Kisinger Campo & Associates
 BRIDGE NAME: Sister's Creek Bridge (SR105)
 WATERWAY NAME: Sister's Creek
 MILE POINT: 739.2 AICW
 LOCATION: City of Jacksonville, Duval County, Florida
 PLANS DATE: September 12, 2012
 SHEET NUMBER: 2 of 10

Existing Bridge No.: 720061
 New Bridge No.: 720699
 FDOT FPID No.: 209607.1.52.01

Kisinger Campo & Associates, Corp.
 201 N. Franklin Street, Suite 400
 Tampa, FL 33602
 Phone: 813/871-5331
 Fax: 813/871-5135



WYATT WALKER GUTIERREZ
 10/12/2012



APPLICANT: Florida Department of Transportation
 CONSULTANT: Kisinger Campo & Associates
 BRIDGE NAME: Sister's Creek Bridge (SR 105)
 WATERWAY NAME: Sister's Creek
 MILE POINT: 739.2 AICW
 LOCATION: City of Jacksonville, Duval County, Florida
 PLANS DATE: September 12, 2012
 SHEET NUMBER: 3 of 10

**Sisters Creek
 Vicinity Map**

Existing Bridge No.: 720061
 New Bridge No.: 720699
 FDOT FPID No.: 209607.1.52.01

850 425 0 850
 Feet

Kisinger Campo & Associates, Corp.
 201 N. Franklin Street, Suite 400
 Tampa, FL 33602
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Project Location

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FILE: \\c:\p\15201\Drawings\Drawings_251111\15209607.1.52.01.dwg