

ST. PETERSBURG CITY COUNCIL
Consent Agenda
Meeting of December 3, 2020

To: The Honorable Ed Montanari, Chair, and Members of City Council

Subject: Accepting a bid from Orion Marine Construction, Inc. for the construction of a new 40th Avenue NE Bridge and subsequent demolition and removal of the existing bridge, in the amount of \$10,719,477.00 (ECID Project No. 18032-110 and 18032-111); approving rescissions of unencumbered appropriations in the Citywide Infrastructure Capital Improvement Fund (3027) in the amount of \$384,000 from the MLK St South over Booker Creek Bridge Project (14548) and in the amount of \$293,000 from the 11th A/S over Booker Creek Bridge Project (14549); approving a supplemental appropriation in the amount of \$677,000 from the unappropriated balance of the Citywide Infrastructure Capital Improvement Fund (3027), resulting from the above rescissions, to the 157154 40 Av/NE Placido Bayou Project (16677), to provide for the necessary funding for Orion Marine Construction and other project engineering related costs; and providing an effective date.

Explanation: Bridge No. 157154 connects 40th Avenue NE to the Shore Acres area. The bridge was built in 1961 and widened in 1991.

FDOT inspects the bridge bi-annually (every other year) and the City maintains the bridge based on the subsequent reports. During routine maintenance of the bridge in August 2017, the City discovered further deterioration of the bridge, which resulted in the temporary closing of the bridge for emergency modifications and further investigation. The bridge reopened in less than two weeks utilizing sidewalk over spans built in 1991. The bridge has been analyzed and deemed structurally deficient. By imposing weight and speed restrictions, along with the realignment of travel lanes, the bridge can remain a safe option for the traveling public until it can be replaced.

This project will be implemented by a Design/Bid/Construction process. The Design and Bid phases have been completed.

The Procurement and Supply Management Department received seven bids for the construction of a new 40th Avenue NE Bridge and subsequent demolition and removal of the existing bridge. The bids were opened on September 24, 2020, and are tabulated as follows:

<u>Bidders</u>	<u>Amount</u>
Orion Marine Construction, Inc. (Houston, TX)	\$10,719,477.00
Cone & Graham, Inc. (Tampa)	\$11,578,286.38
American Empire Builders, Inc. (Miami)	\$12,968,000.00
Kiewit Infrastructure South Co. (Omaha, NE)	\$12,996,211.00
Johnson Bros. Corporation, A Southland Company (Roanoke, TX)	\$12,999,383.97
Prince Contracting, LLC (Tampa)	\$13,895,340.00
Boh Bros. Construction Co., LLC (New Orleans, LA)	\$15,614,510.48

The contractor will furnish all labor, material and equipment for the construction of a new 40th Avenue NE Bridge and subsequent demolition and removal of the existing bridge. The bridge will be constructed with six spans of Florida Slab Beams supported by 24-inch pile bents. The bridge approach embankments will be supported by sheet pile walls. The bridge will incorporate the City of St. Petersburg's standard open window railing and decorative lighting.

Due to its location in a highly corrosive marine environment, structural elements of the bridge will be entirely reinforced with Fiber Reinforced Polymer (FRP), or stainless steel, Carbon Fiber Reinforced Polymer (CFRP) and Glass Fiber Reinforced Polymer (GFRP). This will substantially increase the service life of the

bridge as well as reduce maintenance due to elements not conducive to corrosion and is consistent with the City's intent for resilient and sustainable infrastructure.

The bridge will be constructed in two major phases to allow two lanes of traffic to be maintained. The essential portions of the proposed work for the project are summarized as follows:

- Bridge reconstruction
- Roadway reconstruction
- Drainage work
- Milling and resurfacing
- Striping
- Lighting
- Sign installation
- Utility construction, including water and reclaimed water

This is a LAP project that will utilize federal funds for construction. Where a major construction project involves the expenditure of state or federal assistance or local funds, the City must comply with such state or federal law and authorized regulations which are mandatorily applicable, including those which dictate the provisions of the City's Apprenticeship and Disadvantaged Worker Ordinance, may not be required on a project. Those City Ordinances do not apply to this contract.

The Procurement and Supply Management Department, in cooperation with the Engineering and Capital Improvements Department, recommends an award to:

Orion Marine Construction, Inc. (Houston, TX) \$10,719,477.00

Orion Marine Construction, Inc., the lowest responsive and responsible bidder, has met the specifications, terms and conditions of IFB No. 7795, dated August 5, 2020. They have performed similar work for Florida Department of Transportation's (FDOT) District 7, District 5, District 2, and the North Carolina Department of Transportation (NCDOT), and have performed satisfactorily. References have been checked and are acceptable.

The new 40th Avenue NE Bridge Project is federally funded, and as such, it is exempt from SBE goals and City ordinances.

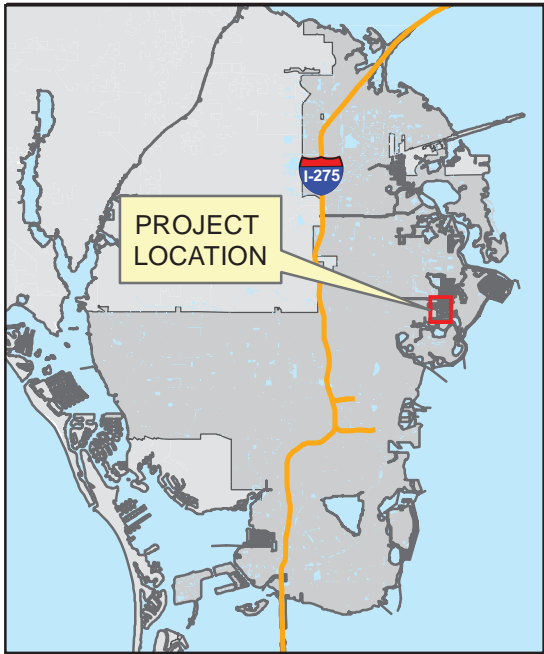
The design and bidding phase of the project is complete. The permits have been received and FDOT has approved the bids and processing for the construction phase.

Architect/Engineer Post Design Services for this project will be provided to Council for approval as separate agreement.

Due to the type of materials, independent specialty inspection is required. This will also include Equal Employment Opportunity Compliance for FDOT LAP (Federally funded Projects). This Construction Engineering Inspection will be provided to Council for approval as separate agreement.

Cost/Funding/Assessment Information: A portion of the funding has been previously appropriated, in the General Capital Improvement Fund (3001) 157154 40 Av/NE Placido Bayou Project (16677); Water Resources Capital Projects Fund (4003) DIS PC 40th Ave NE Bridge FY18 Project (16880) and REC 40th Ave NE Repl FY20 Project (17463). Additional funding will be available after the rescission of unencumbered appropriations in the Citywide Infrastructure Capital Improvement Fund (3027), in the amount of \$384,000 from the MLK St South over Booker Creek Bridge Project (14548) and in the amount of \$293,000 from the 11th A/S over Booker Creek Bridge Project (14549); and the approval of a supplemental appropriation in the amount of \$677,000 from the increase in the unappropriated balance of the Citywide Infrastructure Capital Improvement Fund (3027), resulting from the above rescissions to the 157154 40 Av/NE Placido Bayou Project (16677).

Attachments: Map
Resolution



Document Path: S:\ArcGIS\2021\ENG\18032-110 40th Ave NE Bridge Replacement.mxd

ENGINEERING AND CAPITAL IMPROVEMENTS DEPARTMENT CITY OF ST PETERSBURG	
APPROVED BY:	DATE: 11/9/2020

Orion - 40th Ave NE Bridge Replacement
Project No. 18032-110



RESOLUTION 2020-_____

A RESOLUTION ACCEPTING THE BID AND APPROVING THE AWARD OF A CONSTRUCTION CONTRACT TO ORION MARINE CONSTRUCTION, INC. FOR CONSTRUCTION OF THE NEW 40TH AVENUE NE BRIDGE AND SUBSEQUENT DEMOLITION AND REMOVAL OF THE EXISTING BRIDGE FOR A TOTAL CONTRACT AMOUNT NOT TO EXCEED \$10,719,477; AUTHORIZING THE MAYOR OR HIS DESIGNEE TO EXECUTE ALL DOCUMENTS NECESSARY TO EFFECTUATE THIS TRANSACTION; RESCINDING UNENCUMBERED APPROPRIATIONS IN THE CITYWIDE INFRASTRUCTURE CAPITAL IMPROVEMENT FUND (3027) AS FOLLOWS: \$384,000 FROM THE MLK ST SOUTH OVER BOOKER CREEK BRIDGE PROJECT (14548) AND \$293,000 FROM THE 11TH A/S OVER BOOKER CREEK BRIDGE PROJECT (14549); APPROVING A SUPPLEMENTAL APPROPRIATION IN THE AMOUNT OF \$677,000 FROM THE UNAPPROPRIATED BALANCE OF THE CITYWIDE INFRASTRUCTURE CAPITAL IMPROVEMENT FUND (3027) RESULTING FROM THESE RESCISSIONS TO THE 157154 40 AV/NE PLACIDO BAYOU PROJECT (16677) TO PROVIDE FOR THE NECESSARY FUNDING FOR CONSTRUCTION CONTRACT WITH ORION MARINE CONSTRUCTION, INC AND OTHER PROJECT ENGINEERING RELATED COSTS; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Procurement & Supply Management Department received seven bids for the construction of the new 40th Avenue NE Bridge and subsequent demolition and removal of the existing bridge (“Project”) pursuant to IFB No. 7795, dated August 5, 2020; and

WHEREAS, Orion Marine Construction, Inc., the lowest responsible and responsive bidder, has met the specifications, terms and conditions of Bid No. 7795; and

WHEREAS, necessary funding for this Project and other Project related costs will be available after (i) rescinding unencumbered appropriations from the following projects in the Citywide Infrastructure Capital Improvement Fund (3027), \$384,000 from the MLK St South over Booker Creek Bridge Project (14548), and \$293,000 from the 11th A/S over Booker Creek Bridge Project (14549) and (ii) a supplemental appropriation in the amount of \$677,000 from the unappropriated balance of the Citywide Infrastructure Capital Improvement Fund (3027) resulting from these rescissions to the 157154 40 Av/NE Placido Bayou Project (16677); and

WHEREAS, the Procurement & Supply Management Department, in cooperation with the Engineering & Capital Improvements Department, recommends approval of this resolution.

NOW THEREFORE, BE IT RESOLVED by the City Council of the City of St. Petersburg, Florida that the bid is hereby accepted and the award of a construction contract to Orion Marine Construction, Inc. for the construction of the new 40th Avenue NE Bridge and subsequent demolition and removal of the existing bridge for a total contract amount not to exceed \$10,719,477 is hereby approved.

BE IT FURTHER RESOLVED that the Mayor or his designee is hereby authorized to execute all documents necessary to effectuate this transaction.


BE IT FURTHER RESOLVED that unencumbered appropriations in the Citywide Infrastructure Capital Improvement Fund (3027) in the amount of \$384,000 from the MLK St South over Booker Creek Bridge Project (14548) and \$293,000 from the 11th A/S over Booker Creek Bridge Project (14549) are hereby rescinded.

BE IT FURTHER RESOLVED that there is hereby approved from the unappropriated balance of the Citywide Infrastructure Capital Improvement Fund (3027), resulting from the above rescissions, the following supplemental appropriation for FY21 to provide for the necessary funding for construction contract with Orion Marine Construction, Inc. and other project engineering related costs:

<u>Citywide Infrastructure Capital Improvement Fund (3027)</u>	
157154 40 Av/NE Placido Bayou Project (16677)	\$677,000

This Resolution shall become effective immediately upon its adoption.


Approvals:



City Attorney (designee)
00538970



Budget Department

 <p style="text-align: center;">-- City of St. Petersburg Authorization Request -- General Authorization</p>					Request #
					82708
Name:	Pocengal, Nicholas W	Request Date:	19-NOV-2020	Status:	APPROVED

Authorization Request	
Subject:	Bridge Replace.40thAveNE,Placido Bayou 12/3 Council
Message:	Submitted for your approval, please find attached Consent Write-up for Bridge Replacement at 40th Ave NE over Placido Bayou, scheduled to go before City Council on December 3, 2020. Resolution currently in development and will be included on the finalized version when posted into City Clerk's Office Questys system. Should you have any questions, please contact me at extension 3387. Thank you.
Supporting Documentation:	913-13 Bridge Replacement , Placido Bayou - Approval Request.pdf

	Approver	Completed By	Response	Response Date	Type
0	Pocengal, Nicholas W		SUBMITTED	19-NOV-2020	
1	McKee, Stacey Pevzner	McKee, Stacey Pevzner	APPROVE	19-NOV-2020	User Defined
2	Tankersley, Claude Duval	Tankersley, Claude Duval	APPROVE	20-NOV-2020	User Defined