

ST. PETERSBURG CITY COUNCIL

Consent Agenda

Meeting of November 9, 2021

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

SUBJECT: A Resolution approving the First Amendment to the Construction Contract between Orion Marine Construction, Inc. and the City of St. Petersburg, Florida (“City”) dated December 18, 2020 to increase the contract amount in the amount of \$1,106,200 due to additional costs associated with (I) butterfly valves for City’s 12-inch Water lines and 16-inch Reclaimed Water lines and (II) the actual length of piles installed, including costs for Kie-Lock Splices for the piles related to the Bridge Replacement at 40th Ave NE over Placido Bayou; providing that the total Contract amount shall not exceed \$11,825,677; authorizing the Mayor or his designee to execute the First Amendment and all other documents necessary to effectuate this transaction; approving a supplemental appropriation in the amount of \$787,250 from the unappropriated balance of the Citywide Infrastructure Capital Improvement Fund (3027) to the 157154 40 Av/NE Placido Bayou FY19 Project (16677); and providing an effective date. (ECID Project Nos. 18032-110 and 18032-111; Oracle Nos. 16140, 16677, 16722, 16880 and 17463)

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

FDOT is the State appointed authority to inspect all bridges bi-annually (every other year) and the City is responsible for maintaining the bridges based on the inspection reports conducted by FDOT. During routine maintenance of the bridge in August 2017, the City discovered structural deterioration that had not been observable during the previous bi-annual FDOT inspection. This discovery 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 is being implemented by a design/bid/construction process. The design and bid phases have been completed. The project is under construction.

This project was bid in September 24, 2020, and Orion Marine Construction Inc. was the qualified low bidder among seven bidders.

On December 3, 2020, City Council approved a construction contract with Orion Marine Construction, Inc. for the construction of a new 40th Avenue NE Bridge and demolition and removal of the existing bridge.

Following Contract execution, construction was initiated in February 5, 2021 and is approximately 40% complete.

The foundation for the new bridge consists of piles which are driven into the subsurface to provide the bearing capacity for the new bridge. The length of the piles were determined by conducting soil borings adjacent to the bridge to calculate the bearing capacity and pile lengths based on the observed soil conditions. However, based on the variability of subsurface site conditions where the new bridge is being constructed the pile lengths were increased from approximately 77 feet long to approximately 140 feet each to achieve the required bearing capacity. Furthermore, due to site access limitations, the piles were

installed in sections utilizing splice connections (Kie-Lock Splices). Two valves were also changed to butterfly valves. These factors resulted in the increased construction costs.

Change Order No. 1 includes additional costs associated with the butterfly valves for City’s 12-inch Water and 16-inch Reclaimed Water lines, actual length of piles installed and associated splicing.

The Contract and First Amendment include the following phases and associated not to exceed costs respectively:

Original Contract Amount	\$ 10,719,477	(Approved)
Change Order No. 1	<u>\$ 1,106,200</u>	(New)
Revised Contract Amount	<u>\$ 11,825,677</u>	

An Amendment for additional services for Construction Engineering Inspection will be presented to Council as a separate Agreement for approval.

RECOMMENDATION: Administration recommends authorizing the Mayor or his designee to execute the First Amendment to the Construction Contract between Orion Marine Construction, Inc. and the City of St. Petersburg, Florida (“City”) dated December 18, 2020 to increase the contract amount in the amount of \$1,106,200 due to additional costs associated with (I) butterfly valves for City’s 12-inch Water lines and 16-inch Reclaimed Water lines and (II) the actual length of piles installed, including costs for Kie-Lock Splices for the piles related to the Bridge Replacement at 40th Ave NE over Placido Bayou; providing that the total Contract amount shall not exceed \$11,825,677; authorizing the Mayor or his designee to execute the First Amendment and all other documents necessary to effectuate this transaction; approving a supplemental appropriation in the amount of \$787,250 from the unappropriated balance of the Citywide Infrastructure Capital Improvement Fund (3027) to the 157154 40 Av/NE Placido Bayou FY19 Project (16677); and providing an effective date. (ECID Project Nos. 18032-110 and 18032-111; Oracle Nos. 16140, 16677, 16722, 16880 and 17463)

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 FY19 Project (16677), the Citywide Infrastructure Capital Improvement Fund (3027) Bridge Recon/Load Testing FY18 Project (16140), 157154 40 Av/NE Placido Bayou FY19 Project (16677), Bridge Life Extension Program FY19 Project (16722), and the Water Resources Capital Projects Fund (4003) DIS PC 40th Ave NE Bridge Main Replacement FY18 Project (16880) and REC 40th Ave NE Bridge Replacement FY20 Project (17463). Additional funding will be available following a supplemental appropriation in the amount of \$787,250 from the unappropriated balance of the Citywide Infrastructure Capital Improvement Fund (3027) to the 157154 40 Av/NE Placido Bayou FY19 Project (16677).

ATTACHMENTS: Resolution

APPROVALS: Claude D. Tankersley
Administrative

Steven McKee
Budget

RESOLUTION NO. 2021- ____

A RESOLUTION APPROVING THE FIRST AMENDMENT TO THE CONSTRUCTION CONTRACT BETWEEN ORION MARINE CONSTRUCTION, INC. AND THE CITY OF ST. PETERSBURG, FLORIDA (“CITY”) DATED DECEMBER 18, 2020 TO INCREASE THE CONTRACT AMOUNT IN THE AMOUNT OF \$1,106,200 DUE TO ADDITIONAL COSTS ASSOCIATED WITH (I) BUTTERFLY VALVES FOR CITY’S 12-INCH WATER LINES AND 16-INCH RECLAIMED WATER LINES AND (II) THE ACTUAL LENGTH OF PILES INSTALLED, INCLUDING COSTS FOR KIE-LOCK SPLICES FOR THE PILES RELATED TO THE BRIDGE REPLACEMENT AT 40TH AVE NE OVER PLACIDO BAYOU; PROVIDING THAT THE TOTAL CONTRACT AMOUNT SHALL NOT EXCEED \$11,825,677; AUTHORIZING THE MAYOR OR HIS DESIGNEE TO EXECUTE THE FIRST AMENDMENT AND ALL OTHER DOCUMENTS NECESSARY TO EFFECTUATE THIS TRANSACTION; APPROVING A SUPPLEMENTAL APPROPRIATION IN THE AMOUNT OF \$787,250 FROM THE UNAPPROPRIATED BALANCE OF THE CITYWIDE INFRASTRUCTURE CAPITAL IMPROVEMENT FUND (3027) TO THE 157154 40 AVE/NE PLACIDO BAYOU FY19 PROJECT (16677); AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, Orion Marine Construction, Inc. (“Orion”) and the City of St. Petersburg, Florida (“City”) executed a construction contract on December 18, 2020 (“Contract”) for Orion to construct the Bridge Replacement at 40th Ave NE over Placido Bayou for an amount not to exceed \$10,719,477; and

WHEREAS, the City desires to amend the Contract to increase the contract amount in the amount of \$1,106,200 due to additional costs associated with (i) butterfly valves for City’s 12-inch water lines and 16-inch reclaimed water lines and (ii) the actual length of piles installed, including costs for Kie-Lock Splices for the piles; and

WHEREAS, funding for the First Amendment will be available after a supplemental appropriation in the amount of \$787,250 from the unappropriated balance of the Citywide Infrastructure Capital Improvement Fund (3027) to the 157154 40th AV/NE Placido Bayou FY19 Project (16677).

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of St. Petersburg, Florida, that the First Amendment to the Construction Contract between Orion Marine Construction, Inc. and the City of St. Petersburg, Florida (“City”) dated December 18, 2020 to increase the contract amount in the amount of \$1,106,200 due to additional costs associated with (i) butterfly valves for City’s 12-inch water lines and 16-inch reclaimed water lines and (ii) the

actual length of piles installed, including costs for Kie-Lock Splices for the piles related to the Bridge Replacement at 40th Ave NE over Placido Bayou is hereby approved.

BE IT FURTHER RESOLVED that the total contract amount shall not exceed \$11,825,677.


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

BE IT FURTHER RESOLVED that there is hereby approved from the unappropriated balance of the Citywide Infrastructure Capital Improvement Fund (3027) the following supplemental appropriation for FY22:

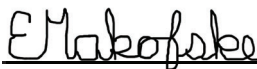
<u>Citywide Infrastructure Capital Improvement Fund (3027)</u>	
157154 40 AV/NE Placido Bayou FY19 Project (16677)	\$787,250

This resolution shall become effective immediately upon its adoption.

Approved by:



City Attorney (Designee) 00592284



Budget Director