

**INDIAN RIVER COUNTY, FLORIDA
MEMORANDUM**

TO: Jason E. Brown, County Administrator

THROUGH: Richard B. Szpyrka, P.E., P.E., Public Works Director
James Ennis, P.E., Assistant Public Works Director

FROM: Kirstin Leiendecker, P.E., Roadway Production Manager

SUBJECT: Change Order No. 2
53rd Street over Lateral A Canal Bridge Widening
IRC-1505

DATE: April 4, 2022

DESCRIPTION AND CONDITIONS

On April 6, 2021 the Board of County Commissioners awarded Bid No. 2021018 to Halley Engineering Contractors, Inc. (HEC) for roadway improvements for 66th Avenue from 49th Street to 69th Street in the amount of \$32,728,137.85. A notice to proceed was issued on June 1, 2021 with a contract time of 750 days to final completion.

On September 21, 2021 the Board of County Commissioners approved Change Order No. 1 to the Contract which reduced the Contract amount by \$55,000.00 to \$32,673,137.85 and allowed for the redesign and construction of a modified bridge design for the 66th Avenue Bridge over North Relief Canal. Additionally, County staff requested that Halley Engineering Contractors, Inc., provide a proposal to construct a 5-lane bridge section which would be necessary in the near future as part of our long-range planning program. This design update to widen the bridge was previously approved by the Board to accommodate future anticipated traffic volumes along 53rd Street due to anticipated development.

The original bid cost for the 3-lane bridge structure is \$1,025,900.50. Halley Engineering Contractors, Inc. (HEC) provided a proposal to construct the widened 5-lane bridge structure, using the FDOT Standard Florida Slab Beam (FSB) System design meeting 2021 Bridge Design Standards, for \$1,867,717.85. This represents an increase of \$841,817.35 to the cost of the contract. Furthermore, if the design had not been modified to an FSB-style structure and the original Post Tensioned Prestress Bridge design was required to be constructed it would have resulted in an additional cost of \$130,000.00, at current market rates. In addition to the cost increase associated with the construction of the modified design, an additional 60-days was requested for extended procurement and construction times for the larger structure.

Change Order No. 2 is proposed to compensate the Contractor for a modified bridge design

which widens 53rd Street Bridge over Lateral A Canal from 3-lanes to 5-lanes, changes the design of the superstructure to a FDOT Standard Florida Slab Beam (FSB) System instead of a Post Tensioned Prestress Bridge System, updates the bridge design to the 2021 standards, modifies the pay item for the bridge to a lump sum, and adds 60-days of additional contract time.

Indian River County and the Florida Department of Transportation (FDOT) have entered into a Transportation Regional Incentive Program (TRIP) grant and the FDOT has approved Change Order No. 2.

FUNDING

Per the TRIP grant agreement, the County must fund the project and then request reimbursement of the grant share from FDOT to a maximum amount of \$13,247,018.00 of the total cost for the project. To date, \$9,019,139 has been spent from Traffic Impact Fee/District II/66th Ave/49th-69th St, leaving a remaining expense balance of \$11,248,798. Funding for the remaining expenses is budgeted as follows:

Account Name	Account Number	Amount
Traffic Impact Fees 2020/District 1/66 th Ave/49 th St – 69 th St	10415141-066510-07806	\$5,818,991
Optional Sales Tax/66 th Ave/49 th -69 th St	31521441-066510-07806	\$6,883,991
Total Budget		\$12,702,982

RECOMMENDATION

Staff recommends the Board approve Change Order No. 2, authorizing the addition of 60-days of Contract time and additional funding in the amount of \$841,817.35. The new total contract amount will be \$33,514,955.20.

ATTACHMENTS

Change Order No. 2

AGENDA ITEM FOR APRIL 12, 2022