

**Indian River County, Florida
Department of Utility Services
Board Memorandum**

Date: July 24, 2020

To: Jason E. Brown, County Administrator

From: Vincent Burke, PE, Director of Utility Services

Prepared By: Arjuna Weragoda, PE, Capital Projects Manager

Subject: Approval of Kimley-Horn Amendment No. 1 to Work Order No. 15, "Ixora Park Sewer System Rehabilitation"

Background/Analysis:

On September 17, 2019, the Indian River County Board of County Commissioners (BCC) approved Work Order No. 15 with Kimley Horn and Associates, Inc. (KHA) to provide design, permitting, bid documents, and bidding assistance to restore some of the gravity lines via slip lining, and replace the remaining in full, in the Ixora Park subdivision for total sum amount of \$80,219.

Ixora Park Subdivision contains approximately 9,710 linear feet of vitrified clay pipe (VCP) gravity sewer and 23 manholes dating from 1952. A lift station connects the system from the northwest corner of the property into a force main along 1st Street Southwest. Indian River County Department of Utility Services (IRCDUS) has discovered deficiencies in the VCP through sand buildup and weakening of the roadways.

KHA completed Task 1 of Work Order No. 15, and the results were presented to IRCDUS. As part of that evaluation, IRCDUS and KHA also explored the option of a vacuum sewer collection system as part of a due diligence process looking at all viable options for the project. Upon further evaluation, IRCDUS and KHA elected that the best solution was to fully replace the gravity sewer.

Staff requested that KHA prepare a proposal for the additional design work that was needed for the full replacement of the existing gravity collection system. The scope is more specifically described in the attached Amendment No. 1 to Work Order No. 15. On April 17, 2018, the BCC approved the Continuing Contract Agreement for Engineering Services with KHA. The total negotiated cost for the additional design and surveying is a lump sum amount of \$33,651.00, which brings the total of Work Order No. 15 to \$113,870.00.

Funding:

Funding for this project is derived from Utilities operating funds. Utility operating fund revenues are generated from water and sewer sales.

Account Name	Account Number	Amount
Ixora Park Sewer	471-169000-16513	\$33,651.00

Recommendation:

Staff recommends that the Board of County Commissioners approve Amendment No. 1 to Work Order No. 15 to authorize Kimley-Horn & Associates, Inc. to include surveying, design, bid specifications, and bidding services to replace the existing gravity sewer main in its entirety within the Ixora Park subdivision, and authorize the Chairman to execute the same, as presented.

Attachments:

1. Kimley-Horn & Associates, Inc Amendment No. 1 to Work Order No. 15