



INDIAN RIVER COUNTY, FLORIDA DEPARTMENT OF UTILITY SERVICES

Date: April 20, 2018

To: Jason E. Brown, County Administrator

From: Vincent Burke, P.E., Director of Utility Services

Prepared By: Arjuna Weragoda, P.E., Capital Projects Manager

Subject: Amendment No. 1 to Work Order No. 13 with Kimley-Horn and Associates – Roseland Elevated Tank Conversion-UCP 4136

DESCRIPTIONS AND CONDITIONS:

On April 18, 2017, the Indian River County Board of County Commissioners (BCC) approved Work Order No. 13 with Kimley-Horn and Associates (KHA) for a lump sum amount of \$112,222.00 to provide professional engineering services for the Roseland Elevated Tank Conversion. Indian River County Department of Utility Services (IRCDUS) maintains and operates three (3) elevated tanks, specifically known as Kings Highway, Gifford, and Roseland tanks. The existing elevated remote storage tanks provide system storage and are intended to provide water supply during high demands. Normal operation is to fill during low demands and drain during high demands, allowing turnover of the water within the tank to prevent stale water. Altitude valves are typically used at elevated tanks to prevent overflow of the tank during low demands/higher system pressures, but then open during high demands/low system pressures to allow supply of water to the system.

During KHA's design, it was determined that further evaluation of the following is needed and necessary:

- For code compliance, electrical power and controls design have been relocated outside the tank enclosure due to concerns over any potential electrical fire within the steel elevated storage tank. The evaluation is to compare the costs and potential damage from an electrical fire within the elevated storage tank.;
- An alternate route for the tank fill influent watermain is also required due to significant constraints and other utilities within the original corridor; and
- The addition of Supervisory Control and Data Acquisition (SCADA) system integration and programming.

These above items were not part of the original scope.

ANALYSIS:

Staff requested that KHA submit a proposal to include the additional items as an Amendment to Work Order No. 13. The amendment is more specifically described in the attached Amendment No. 1 to Work Order No. 13. On November 4, 2014, the Indian River County Board of County Commissioners (BCC) approved the Extension and Amendment of the Continuing Contract Agreement for Professional Services with KHA. The total

negotiated cost for the additions to the original scope in Work Order No. 13 for the Roseland Elevated Tank Conversion is a lump sum amount of \$62,971.00, for a total sum amount of \$175,193.00. KHA will prepare four signed and sealed copies of the permit package to be submitted to the Florida Department of Environmental Protection (FDEP) Southeast District.

FUNDING:

Funding for Amendment No. 1 to Work Order No. 13 is derived from the operating fund. Operating revenues are generated from water and sewer sales.

Description	Account No.	Amount
Roseland Elevated Tank Conversion	471-169000-17517	\$62,971.00

RECOMMENDATION:

Staff recommends that the Board of County Commissioners approve Amendment No. 1 to Work Order No. 13 with KHA, for the lump sum amount of \$62,971.00, and authorize the Chairman to execute the same, as presented.

ATTACHMENT:

1. Amendment No. 1 to Work Order No. 13 (6 Pages)