



THE CITY OF KEY WEST

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TO: Jim Scholl, City Manager

FROM: Doug Bradshaw, Senior Project Manager

DATE: November 22, 2010

SUBJECT: Approval of “Utility Work By Highway Contractor Agreement” 250248-3-56-02 with FDOT, rescinding of “Utility Work By Highway Contractor Agreement” 250248-3-56-01 previously passed and adopted with Resolution 10-232 for the installation of 24 inch sewer force main to during North Roosevelt Construction, approval of the Memorandum of Agreement and Approval for Expenditure of Funds and necessary budget transfers.

ACTION STATEMENT:

This resolution will approve “Utility Work By Highway Contractor Agreement” 250248-3-56-02 (also referred to as a Joint Participation Agreement or JPA) with the Florida Department of Transportation (FDOT) and rescind “Utility Work By Highway Contractor Agreement” 250248-3-56-01 previously passed and adopted with Resolution 10-232, authorize the City Manager to enter into the attached Utility Work by Highway Contractor Agreement and Memorandum of Agreement and authorize the expenditure of additional funds. The new JPA increases the total amount of the agreement from the original \$1,931,672.06 to \$2,153,227.22.

The increase cost is due to the extension of the sewer force from Kennedy Drive to 14th Street.

The attached “Utility Work By Highway Contractor Agreement” supersedes the agreement approved by Resolution 10-232.

BACKGROUND:

The Florida Department of Transportation (FDOT) is planning road improvements to North Roosevelt Boulevard as part their 5 year capital improvement plan. The City of Key West is planning on utilizing this opportunity to potentially increase conveyance capacity to the Richard A. Heyman Environmental Protection Facility (WWTP) by installing 24 inch force main along North Roosevelt Boulevard from Georgia Street to 14th Street.

Resolution 10-232, passed and adopted by the City Commission on August 3, 2010, approved the acceptance, authorization and execution of a Utility Work by Highway

Contractor Agreement in the total amount of \$1,931,672.06 for the installation of 24 inch sewer force main along North Roosevelt from Georgia Street to Kennedy Drive. The project limit was extended past Kennedy Drive to 14th Street in order to connect to the new 14th Street force main. The cost of extending the project to 14th Street is estimated at \$221,555.16, which increases the agreement amount to \$2,153,227.22. FDOT has issued a new JPA as opposed to an addendum to the original JPA

PURPOSE & JUSTIFICATION:

The City's current wastewater collection system routes sewage flow through an extended chain of pump stations and pipes stretching from the Airport, all the way around the island eventually passing to the WWTP. If flooding or severe rains results in an overflow at a sewer pump station at a lower elevation, it can impact the lift stations and piping in the chain behind it, thereby potentially backing up the sewer system throughout the island and causing a health risk to our residents.

With the increased capacity of the new Sigsbee Force Main and utilization of a previous abandoned 30" outfall pipe, flow from the force main and its linked pump stations will be able to pass directly to the WWTP. This flow would no longer have to be pumped through Pump Stations D and DA. This will therefore significantly lessen the chances of one flooded pump station bottleneck negatively impacting the entire City. Many more non-flooded areas under this plan would now have the ability to pump directly into the WWTP without having to pass through a flooded location. This will also improve a flooded pump station's ability to process sewage flow since the volume of material from the other pump stations currently pumping into it will be lessened.

OPTIONS:

The City could elect to leave the current Sigsbee force main in place as is; however, this leaves the City more vulnerable to surcharging of the wastewater system during large storm events.

The City could approve the amendment to the Utility Work By Highway Contractor Agreement with FDOT for the installation of a new sewer force main to 14th Street. By upsizing the Sigsbee force main, the City has the option to re-route flow more directly to the treatment plant and eliminate the present operation which again is vulnerable to flooding.

FINANCIAL IMPACT:

The extension of the project limits to 14th Street increases the cost of the construction by \$221,555.16 resulting in a new amount of the agreement not to exceed \$2,153,227.22. The additional \$221,555.16 will require a budget transfer to account #401-3503-535-65/SE0901 from the unappropriated fund balance account #401-3501-535-99. The Utility Work By Highway Contractor Agreement with FDOT requires payment of the full amount of \$2,153,227.22 due at least seven (7) calendar days prior to the date on which FDOT advertises the project for bids. FDOT may advertise the project as early as February 2011. Although the previous agreement amount of \$1,931,672.06 (Resolution 10-232) was approved on August 3, 2010, no payments have been made to FDOT for this project.

The City currently has a remaining fund balance of \$1,698,641.91 from an ACOE \$10.3 million

grant. The project is eligible for the ACOE funding at a rate of 65%. However, the Headworks Modifications Project that the City is currently fast tracking is also eligible for the remaining grant dollars and is most likely going to exhaust those funds.

RECOMMENDATION:

City Staff recommends approving the “Utility Work By Highway Contractor Agreement” 250248-3-56-02 with FDOT, rescinding of “Utility Work By Highway Contractor Agreement” 250248-3-56-01 previously passed and adopted with Resolution 10-232 for the installation 24 inch sewer force main to during North Roosevelt Construction, and approval of the Memorandum of Agreement and Approval for Expenditure of Funds and necessary budget transfers.

DB/cds