



## THE CITY OF KEY WEST

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### EXECUTIVE SUMMARY

**TO:** Jim Scholl, City Manager  
Greg Veliz, Asst. City Manager - Operations

**FROM:** John Paul Castro, Utilities Director

**DATE:** October 30, 2014.

**SUBJECT:** Awarding the bid of Charley Toppino and Sons, Inc. in the amount of \$1,670,744.25 for Pump Station F Improvements

**Action Statement:**

This is a request to award the low bid from Charley Toppino and Sons, Inc. in the amount of \$1,670,744.25 for the improvements to Pump Station F including an upgraded generator and enclosure, larger pumps, transfer switch, and control panel.

**Background:**

In 2010 the City installed a new 16" sanitary sewer pipe down 14<sup>th</sup> St. in anticipation of the North Roosevelt Blvd. Florida Department of Transportation (FDOT) reconstruction project. That pipe was then connected into the new 24" Sigsbee Force Main at 14<sup>th</sup> and N. Roosevelt Blvd. during road reconstruction.

The Sigsbee Force Main was increased in size during the FDOT N. Roosevelt Blvd. construction which, with the recently repaired effluent line that has been turned into a dedicated influent line, will increase conveyance capacity to the Waste Water Treatment Plant (WWTP).

**Purpose and Justification:**

By rerouting Pump Station F to the upgraded Sigsbee Force Main we will eliminate potential back-ups and overflows onto Flagler Ave. that have historically plagued Pump Station E. This was made possible by abandoning the 30" effluent line from the WWTP and turning into an influent line to increase capacity.

Pump Station F will require larger pumps to send sewage down the larger 14<sup>th</sup> Street main line. This will also require a new higher capacity generator to run the station during power outages.

***Key to the Caribbean – Average yearly temperature 77 ° F.***

By routing more districts directly to the WWTP the City will eliminate bottlenecks which could cause a public safety hazard in severe weather. The pumps will run less due to eliminating stations which re-pump sewage as they will be directed to the WWTP directly.

The rerouting of Pump Station F will decrease capacity and run times at Pump Station D by approximately 75%.

Part of the scope is also to install a Variable Frequency Drive (VFD) which will allow the pumps to operate depending on load. Allowing the motors to run at less than 100% the City will realize a cost savings in energy and increased length of usable life for our pumps. The VFD project for 5 other Pump Stations is budgeted and currently in design phase.

The low bid from Charley Toppino and Sons, Inc. is responsive and responsible. The project designer and consultant, CH2M Hill has written a letter of recommendation for award which is attached. Their base bid was \$1,376,744.25, without the included unforeseen conditions allowance the bid is less than 1% over budget.

**Options:**

1. Award the Pump Station F improvements to the lowest responsive, responsible bidder, Charley Toppino and Sons, Inc. in the amount of \$1,670,744.25 and move forward with the upgrade and reroute. Awarding the bid will require a budget transfer from reserves in the amount of \$210,408.59
2. Award the bid without the unforeseen conditions allowance of \$200,000.00. This would require a budget transfer from reserves in the amount of \$10,408.59
3. Reject the bid and direct staff to rebid the project in attempt to award the project under budget.

**Financial Impact:**

The funds for this project in account 401-3503-535-6500 total \$1,460,335.66. The remaining \$210,408.59 will require a budget transfer as part of the award from reserve account 401-3501-535-9700 which currently has a balance of \$2,583,393.00.

**Recommendation:**

Staff recommends option 1. Awarding the bid to Charley Toppino and Sons, Inc in the amount of \$1,670,744.25.