



City of Hallandale Beach City Commission Agenda Cover Memo

Hallandale Beach
PROGRESS. INNOVATION. OPPORTUNITY.

Meeting Date:	Item Type:		1 st Reading	2 nd Reading
9/2/2020	<input checked="" type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Other	Ordinance Reading	N/A	N/A
		Public Hearing	<input type="checkbox"/>	<input type="checkbox"/>
		Advertising Required	<input type="checkbox"/>	<input type="checkbox"/>
		Quasi-Judicial:	<input type="checkbox"/>	<input type="checkbox"/>
File No.:				
20-254				
Fiscal Impact (\$):	Account Balance (\$):	Funding Source:	Project Number :	
\$1,654,000	\$3,000,000	490-3320W-565000	P1606	
Contract/P.O. Required	RFP/RFQ/Bid Number:	Sponsor Name:	Department:	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	FY 2019-2020-003	James Sylvain, Director	Public Works	
Strategic Plan Focus Areas:				
<input type="checkbox"/> Financial	<input type="checkbox"/> Organizational Capacity	<input checked="" type="checkbox"/> Infrastructure	<input type="checkbox"/> Development, Redevelopment and Economic Development	
Implementation Timeline				
Estimated Start Date: 10/1/2020 Estimated End Date: 10/1/2021				

SHORT TITLE:

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AUTHORIZING AWARD OF BID # FY2019-2020-003, FOR THE CONSTRUCTION OF THE TRANSFER PUMP REPLACEMENT PROJECT TO FLORIDA DESIGN DRILLING CORPORATION, THE LOWEST RESPONSIVE BIDDER, IN AN AMOUNT NOT-TO-EXCEED \$1,819,400 (ONE MILLION EIGHT HUNDRED NINETEEN THOUSAND FOUR HUNDRED DOLLARS) INCLUDING CONTINGENCY; AUTHORIZING THE CITY MANAGER TO NEGOTIATE AN AGREEMENT WITH FLORIDA DESIGN DRILLING CORPORATION; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

STAFF SUMMARY:

Summary:

This agenda item seeks City Commission approval to 20, to Florida Design Drilling Corporation, the lowest responsive bidder, in the amount of \$1,654,000. Staff seeks approval to add a 10% (\$165,400) contingency to the construction project and to authorize the City Manager and the City Attorney to negotiate an agreement with Florida Design Drilling Corporation for a not-to-exceed total of \$1,819,400.

Background:

The City of Hallandale Beach (City) has successfully maintained the Water Treatment Plant's (WTP's) transfer pumps (TPs) since 1968. The transfer pumps move treated water from the clearwell to our above ground storage tanks. All three pumps discharge to a common transfer manifold which also supplies filter backwash water to the city's bed filters. The pumps are beyond the end of their normal economic lives (typically 20-30 years). City staff have reported that current pump capacities have decreased to approximately 80% of their original design capacities. The transfer pumping station transfers all finished water to storage, including lime softened product and nanofiltration product. Total transfer pumping capacity is currently less than the WTP's rated capacity of 16.0 MGD. Modification of transfer piping and construction of the 2.0 MG storage tank in 1980 created the current configuration in which the pressure available for filter backwashing is dependent on the level in the 2.0 MG tank. This has apparently contributed to filter backwashing deficiencies. As you can see the transfer pumps service a vital role in providing the residents clean and safe drinking water.

The City previously retained a consultant, Hazen and Sawyer, to complete the conceptual evaluation of the replacement of the TPs (Exhibit 2). As recommended in this evaluation, the City has decided to install three TPs equipped with variable frequency drives (VFDs). Variable speed operation will allow transfer sump level to be controlled by pump speed. It also allows the pumps to operate more efficiently at reduced speeds when the storage tank is partially full, and at higher speeds to filter backwash as required.

Current Situation:

As previously stated above the Transfer Pumps have met their useful life expectancy and need to be replaced.

Staff has reviewed the bids and the attached Award Information Memorandum (Exhibit 3). The Department of Public Works recommends awarding BID # FY2019-2020-003 to the lowest responsive bidder, Florida Design Drilling Corporation.

Why Action is Necessary:

Pursuant to Chapter 23, Section 23-4, Competitive Bidding Required, all purchases of and contracts for equipment, supplies and contractual services, when the estimated cost shall exceed \$50,000.00 shall be based on competitive bids. Furthermore, pursuant to Chapter 23, Section

23-6, Award of Contract, the City Manager, shall have the authority to recommend to the City Commission award of contracts.

Cost Benefit:

The new water treatment plant transfer pumps are more efficient than the existing ones. Over time, these new pumps will realize an energy cost saving to the Water Treatment Plant operations.

PROPOSED ACTION:

Staff recommends approval of the attached resolution awarding BID # FY2019-2020-003, for the construction of the Transfer Pump Replacement Project, to Florida Design Drilling Corporation, the lowest responsive bidder, in the amount \$1,654,000. Staff also recommends adding a 10% (\$165,400) contingency to the construction project and authorizing the City Manager and the City Attorney to negotiate an agreement with Florida Design Drilling Corporation for a not-to-exceed total of \$1,819,400.

ATTACHMENT(S):

- Exhibit 1 – Proposed Resolution
- Exhibit 2 – Transfer Pumping Evaluation
- Exhibit 3 - Award Information Memorandum Bid # FY 2019-2020-003 Transfer Pump Replacement