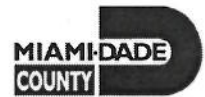


Memorandum



Date: May 22, 2017

To: Gary Hartfield, Division Director
Small Business Development Division
Internal Services Department

A handwritten signature in blue ink that reads "Isaac Smith". The signature is fluid and cursive, with the first name "Isaac" and the last name "Smith" clearly legible.

From: Isaac Smith
Sr. Program Manager
Miami-Dade Water and Sewer Department

Subject: Justification and Request to use:
Miscellaneous Construction Contracts (MCC) Program
MCC 7360 Plan - CICC 7360-0/08 for
CD Project 5.7 Upgrade of Pump Station No. 0417

Revised
5/26/17

RECOMMENDATION

Miami-Dade Water and Sewer Department (WASD) has reviewed the experience required to perform an upgrade on Regional and Booster pump stations where all pump motors exceed 100 HP and recommend that these pump stations be bid under the MCC 7360 process with assigned Small Business Goals. These pump stations are critical to the operation of the overall system in that they receive flow from multiple stations for transmission to the Waste Water Treatment Plant. In most cases these stations have 3 – 4 centrifugal sewage pumps and are connected to variable frequency driven motors by extension shafts. In essence, our regional and booster stations are much more larger and complex than the typical neighborhood pump station.

The Department has placed an experience requirement of having completed at least one (1) pump station upgrade for a station with a minimum of a 100 HP pump within the past ten (10) years. Also because these stations have VFD's we require the bidder or his electrical subcontractor to have successfully completed one (1) project within the past ten (1) years demonstrating experience with 460 VAC power supply, variable frequency drives and pump station controls/integration.

Previous attempts on three (3) such projects, the upgrade of two (2) regional and one(1) booster sewage pump station, through the MCC 7040 pool of prequalified contractors resulted in only receiving one qualified bid.

BACKGROUND

Recently WASD advertised three large such pump stations under the MCC 7040 program, including, PS0414 (RPQ T2308), PS0415 (RPQ T2309), and PS0301 (RPQ T2310). These pump stations range from 100 HP to 250 HP, with each requiring upgrades including replacement of the vertical centrifugal pumps and shafts, installation of variable frequency valves, medium voltage electrical switchgear, pump station controls and systems integration.

Specifically, these RPQ's had the following experience requirement for the bidder and his electrical subcontractor:

The Bidder shall have successfully completed the installation of at least one (1) raw sewage pump station within the last ten (10) years which included the installation of vertical (dry pit) centrifugal pumps (minimum 100 horsepower).

The Bidder or Bidder's Electrical Subcontractor shall have successfully completed at least one (1) project demonstrating experience with 460 VAC power supply and pump station controls/integration within the last ten (10) years meeting the following requirements:

1. 460 VAC switchgear
2. 460 VAC variable frequency drives
3. PLC auxiliary control panel
4. Pump Station Control System Integrator

Resulting participation on these solicitations were as follows:

- On RPQ# T2308, five (5) pre-qualified MCC 7040 bidders submitting for bids.
- On RPQ# T2309, three (3) of the five (5) from T2308 submitted bids
- On RPQ# T2310, two (2) of the bidders on T2309 and one(1) from T2308.

However, only one (1) bidder met the experience qualification of having done one (1) similar project for each solicitation, namely the same bidder, Comtech Engineering. Bid results were as follows:

- On T2310, Comtech Engineering was the low bidder.
- On T2308, Comtech Engineering was the third lowest bidder of 5 bids, and
- On T2309, Comtech Engineering was the second lowest bidder of 3 bids.

Comtech Engineering's bid on T2308 and T2309 was 26% and 38%, respectively, above the engineer's estimate.

Based on this experience and since time is of the essence for this consent decree project, with a compliance deadline (with stipulated penalties), your permission is being requested to permit the use of MCC 7360 in lieu of 7040 for this solicitation. For your information, this project CD 5.07 for the upgrade of PS #0415 has a total estimate of \$3,943,158 (including contingency and dedicated allowances) and includes 125 horsepower pumps with variable frequency driven motors.

If any additional information is needed, please call Isaac Smith at (786) 552-8255.

Attachment: SBD Department Input

C: Laurie Johnson, ISD
Caesar Suarez, ISD
Project File WASD