



# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

TO: D. Albrey Arrington, Ph.D.  
FROM: Kris Dean, P.E., Deputy Executive Director, Director of Engineering  
DATE: May 12, 2022  
SUBJECT: 22-007-00117/Lift Station Cellular Telemetry: Recommendation of Award

The District currently operates 228 lift stations throughout the collection and transmission system. Of these 228 lift stations we remotely monitor 68 using standard radio telemetry, leaving 160 stations unmonitored. In December 2020, the Board awarded the engineering project to provides evaluation of two existing cellular telemetry pilot systems currently in use, recommendation for standardization, design, bidding and construction observation for installation of cellular telemetry at an estimated 140 of the unmonitored stations. The final design included 115 lift station sites and was bid on April 26, 2022. The remaining 42 sites will require station control panel upgrades and replacements in conjunction with the telemetry upgrades and will be designed and bid separately.

Holtz's Consulting Engineers Recommendation of Award and bid details are attached recommending award to Revere Control Systems, Inc. in the amount of \$3,327,270.00 including a contingency of \$50,000.00. As noted in the recommendation all bids came in well above the engineer's estimate. We have reviewed the engineer's reasons for the discrepancy and concur with their findings.

Staff have reviewed the capital program spending for FY22 and capital program schedule and determined that award will not result in spending beyond the approved budget.

Staff recommend the following motion:

**"THAT THE DISTRICT GOVERNING BOARD award ITB 22-007-00117 to Revere Control Systems Inc. in the amount of \$3,327,270.00 and a contingency amount of \$275,000.00."**

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER



HOLTZ CONSULTING ENGINEERS, INC

May 3, 2022

Mr. Kris Dean, PE  
Deputy Executive Director/Director of Engineering Services  
Loxahatchee River Environmental Control District  
2500 Jupiter Park Drive  
Jupiter, FL 33458

**Subject: Lift Station Remote Telemetry Panels  
Recommendation of Award to Revere Control Systems, Inc.**

Dear Mr. Dean,

On April 26, 2022, at 2:00 p.m. bids were opened for the referenced project. There were (4) four bids accepted for the project as follows:

Bidder	Total Bid Amount	Acknowledged Addenda?	Original Bid Security Received?
Revere Control Systems, Inc.	\$3,327,270.00	Y	Y
General Control Systems, Inc.	\$3,402,480.00	Y	Y
Tampa Armature Works, Inc.	\$3,469,801.12	Y	N
Hinterland Group, Inc.	\$3,643,750.00	Y	Y

All bids for this project came in well above our engineer's estimate for this project. We believe the following reasons may account for the discrepancy between the engineer's estimate and received bids.

- The engineer's estimate was based on quotes for materials (RTU's and fiberglass enclosures) that at the time of bidding are approaching a year old. It is our belief that the continuing supply chain issues and ongoing conflicts in locations that produce the raw materials necessary to manufacture electronics is likely to have caused greater volatility in the price of telemetry equipment such as RTUs.
- We have observed that the recent bidding environment is such that construction projects are becoming more expensive across the board. We believe this is a function of the high number of existing construction projects coupled with the lack of skilled laborers, general inflation, and construction delays due to the supply chain crisis.
- Our engineer's estimate did not include the costs for the Contractor to perform SCADA programming of the lift station RTUs. This was an additional cost that was included as part of the Addendum.



HOLTZ CONSULTING ENGINEERS, INC

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We believe that these reasons may account for the difference between our estimated cost of approximately \$18,000 per station and the bid day price of approximately \$28,500 per station. We believe that the current trend of today's bidding environment is likely to continue and that this project will become more expensive in the foreseeable future.

The bids were reviewed by Holtz Consulting Engineers, Inc. (HCE) to evaluate whether the bids were responsive to the bid submittal requirements. The apparent low bidder was Revere Control Systems, Inc. with a Total Bid Amount of \$3,327,270.00. Their bid was reviewed and included the required bid bond in the amount of ten percent of their bid from an acceptable surety company according to the US Department of Treasury. They acknowledged receipt of the addenda in the bid form. The other forms and information required to be submitted with their bid appear to be in order. We therefore consider the bid submitted by Revere Control Systems, Inc. to be responsive.

Revere Control Systems, Inc. has successfully completed multiple SCADA networking and telemetry projects in South Florida. Revere Control Systems, Inc. will self-perform all electrical and control systems work for this project with preconstruction video and cellular signal strength testing performed by others. Revere Control Systems, Inc. is a corporation in good standing with the Florida Department of State Division of Corporations. We therefore consider Revere Control Systems, Inc. to be a responsible bidder.

Based on the above information, Holtz Consulting Engineers, Inc. considers Revere Control Systems Inc. to be the low responsive and responsible bidder and recommends that they be awarded the contract for the Lift Station Remote Telemetry Panels project in the Total Bid Amount of \$3,327,270.00.

Sincerely,  
HOLTZ CONSULTING ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'Christine Miranda', is written over a light blue horizontal line.

Christine Miranda, PE  
Principal Engineer