



Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street
Chicago, IL 60611

Legislation Text

File #: 10-0478, Version: 1

TRANSMITTAL LETTER FOR BOARD MEETING OF APRIL 15, 2010

Mr. Richard Lanyon, Executive Director

COMMITTEE ON MAINTENANCE AND OPERATIONS

Final report on emergency Contract 08-900-05, "Dewater, Inspect and Otherwise Re-commission the Racine Avenue Pumping Station", Purchase Orders 5000921 to Jay-Dee Contractors, Inc., 5000923 to Independent Mechanical Industries, Inc., 5000932 to Anchor Mechanical, Inc., 5000917 to Midwest Service Center, L.L.C. and 5000924 to Divane Bros. Electric Co., Accounts 901-30000-667220 and 101-69000-601010/601060/612030 (*As Revised*)

Dear Sir:

Due to a severe rainstorm on Monday, August 4, 2008, the Racine Avenue Pumping Station (RAPS) lost power and was flooded by rapidly rising combined sewage in the influent intercepting sewers. Before power could be restored and some pumps restarted, the wet well had risen high enough to flood the pump impellers. These pumps cannot start under such conditions as the impellers must be started when empty.

At the request of the Director of Maintenance and Operations and due to the difficult circumstances affecting public health and safety, the Executive Director declared an emergency, as permitted by Section 11.5 of the Purchasing Act, to immediately dewater the flooded pump room floor and wet well, conduct equipment inspections and assess any needed repairs that would be deemed necessary to restore RAPS to an operational status. RAPS is an integral part of the Stickney Service Area, draining an area of 36 square miles on the south side of the City of Chicago. It is also integral with the Tunnel and Reservoir Plan (TARP) and must be restored to normal pumping operations to avoid residential flooding, pollution of the waterways, and the spread of disease; all of which is essential to the protection of the public's health and the environment.

The District entered into an agreement with Jay-Dee Contractors to supply rental equipment such as pumps, compressors, generators and tools necessary to expedite the disassembly and removal of the main sewage pump motors. Purchase order 5000921 was initially valued at \$25,000.00, increased to \$100,000.00 by the Board of Commissioners on August 14, 2008, subsequently reduced to \$92,008.51 and was closed out on March 12, 2010.

The District entered into an agreement with Independent Mechanical Industries, Inc. to replace two flooded boilers along with their ancillary equipment. Purchase order 5000923 was initially valued at \$25,000.00, increased to \$812,500.00 by the Board of Commissioners on October 2, 2008, subsequently reduced to \$788,848.52 by the Board of Commissioners on October 15, 2009, and was closed out on October 21, 2009.

The District entered into an agreement with Anchor Mechanical, Inc. to supply and set up a portable engine driven pump. Purchase order 5000932 was initially valued at \$25,000.00, increased to \$40,000.00 by the Board of Commissioners on October 2, 2008, subsequently reduced to \$35,799.85 and was closed out on March 12, 2010.

The District entered into an agreement with Midwest Service Center, L.L.C. to inspect and refurbish or rewind

the 14 main sewage pump motors, which were totally immersed by combined sewage. Purchase order 5000917 was initially valued at \$700,000.00, increased to \$1,250,000.00 by the Board of Commissioners on September 4, 2008, and increased a second time to \$1,600,000.00 by the Board of Commissioners on October 2, 2008. The Purchase Order was reduced to \$1,367,790.85 by the Board of Commissioners on August 6, 2009, and was closed out on August 20, 2009.

The District entered into an agreement with Divane Bros. Electric Co. to purchase and install new electrical distribution and control equipment to replace the existing equipment that was flood damaged beyond repair. Purchase order 5000924 was initially valued at \$25,000.00, increased to \$1,510,000.00 by the Board of Commissioners on October 16, 2008, reduced by the Board of Commissioners to \$1,243,994.28 on April 1, 2010, with the Purchase Order closure to follow.

The first motor was returned to service on August 11, 2008, and normal capacity was restored by September 17, 2008. All repairs were completed and the station was subsequently restored to its former condition on February 23, 2010. The total cost of repairs for this work was \$3,528,442.01.

Additional in-house staffing costs included \$691,059.73 in straight time compensation, \$24,394.12 for compensated time off and \$242,984.95 for overtime compensation. An additional \$3,655.00 was expended providing meals to staff. The M&O staff and trades worked 12-hour shifts and were on duty continuously until most of the pump restoration work was completed.

The total cost of the emergency under the Contract, including all in-house services, was \$4,490,535.81. With the replacement of damaged electrical equipment and restoration of mechanical equipment, RAPS is in nearly like-new condition and will serve for many decades.

Respectfully submitted, Osoth Jamjun, Director of Maintenance and Operations, MPS:SO'C:MAG:LSC