



OFFICIAL MINUTES OF:

Meeting of:	CEO Committee Meeting
Date:	September 20, 2016
Time:	9:30 a.m.

MEMBERS PRESENT:

John MacQueen, Chairman
Jonathan Farnum
Vincent Mesoella
Al Montanari

MEMBERS ABSENT:

Robert Andrade
Angelo Rotella
Richard Worrell

STAFF AND GUESTS PRESENT

Raymond J. Marshall, Executive Director
Tom Brueckner, NBC
Karen Musumeci, NBC
Tom Uva, NBC
Paul Nordstrom, NBC
Rich Bernier, NBC
Jennifer Harrington, NBC

Kathryn Kelly, NBC
Deborah Samson, NBC
Linda George, Senate Policy
Karen Giebink, NBC
Jamie Samons, NBC

1. Call to Order

CEO Chairman MacQueen recognizing a quorum called the September 20, 2016 Construction/Engineering/Operations (CEO) Committee Meeting to order at 9:45 a.m.

2. Approval of Minutes – June 21, 2016- CEO Committee

Chairman MacQueen asked for a motion to approve the June 21, 2016 CEO Committee meeting minutes as written. Commissioner Montanari moved to approve the minutes of the June 21, 2016

CEO Committee. Commissioner Mesolella seconded the motion. The vote taken by the CEO Committee was unanimous. The motion carried.

3. Items for Action

A. Review and Approval of Resolution 2016:21; Authorization to Negotiate a Contract for Pipe Evaluation Services for contract 16:304.74M-Evaluation of the Blackstone Valley Interceptor (Amount \$60,000)

Mr. Marshall stated that the sixty five year old Blackstone Valley Interceptor is the largest contributor of flow to the Bucklin Point Wastewater Treatment Facility. CCTV Inspections conducted between 2008 and 2014 indicated some degree of pipe degradation in various segments; however, the extent of degradation was difficult to quantify utilizing standard inspection technology. As part of the NBC's ongoing maintenance program of its wastewater facilities the NBC wishes to utilize Multi Sensor Inspection Technology to gain a better understanding of the interceptor and document current conditions in order to plan for future rehabilitation or replacement.

The NBC issued a Request for Qualifications and Proposals (RFQ/P) in June 2016 to perform an evaluation of approximately 6,674 feet of the ninety inch semi elliptical interceptor. We received proposals in response to the RFQ/P from two (2) firms: RedZone Robotics and Hibbard Inshore.

In accordance with NBC Procurement Regulations, the Executive Director designated Thomas Brueckner, P.E., Engineering Manager, to coordinate a review committee to conduct a review and rating of the proposals. Also on the review committee were Meg Goulet, P.E., Interceptor Maintenance Manager, and Michael Caruolo, P.E., Principal Environmental Engineer.

After review and discussion of the each proposal the review committee believes that RedZone Robotics will provide the best value for these services.

The cost for RedZone Robotics' proposal is \$39,578.75. We would like to add \$13,813.25 for additional data processing and analysis and \$6,608 for contingency to this amount to cover unanticipated costs that may arise during the project for a total cost of \$60,000. In addition to the costs for this contract, this project will also include administrative costs for NBC labor and other costs.

Therefore, it is recommended that the Board approve Resolution 2016:21 authorizing staff to negotiate a contract with RedZone Robotics to provide services for an evaluation of the Blackstone Valley Interceptor.

Commissioner Montanari made a motion to approve Resolution 2016:21, Authorization to Negotiate a Contract for Pipe Evaluation Services for Contract 16:304.74M-Evaluation of the Blackstone Valley Interceptor (Amount \$60,000). Commissioner Farnum seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carried.

B. Review and Approval of Resolution 2016:22; Award of Contract 304.44-RS Agreement for Professional and Technical Consulting Services for Moshassuck Valley Interceptor Replacement

Mr. Marshall advised that the Seekonk Siphon Structure is a reinforced concrete underground chamber constructed in the early 1950's designed to received combined sewage from the Cities of Pawtucket and Central Falls and sanitary sewage from the Town of Lincoln.

Previous inspections have indicated a degree of concrete deterioration within the structure which warrants rehabilitative measures in order to restore structural integrity, functionality, and protect against further degradation to extend the useful life of the structure.

The project shall include the abandonment of an inactive portion of the structure and rehabilitation of all concrete surfaces within the active portions of the structure utilizing a cementitious coating system.

The NBC issued a Request for Bids in July 2016 to rehabilitate the structure. We received four (4) bids in response to the request.

R. Zoppo Corporation's bid of \$167,000 is the lowest submitted bid. R. Zoppo Corporation has successfully completed projects for NBC in the past and has performed up to standards.

As with all projects of this size there will be ancillary costs associated with the project including but not limited to: grit and debris disposal, material testing, and staff time associated with contract inspection and administration.

NBC staff has concluded that R. Zoppo Corporation is the lowest responsive and responsible bidder; therefore, we respectfully request your approval of Resolution 2016:22 to award Contract 304.63SS- Rehabilitation of the Seekonk Siphon Structure to R. Zoppo Corporation for a cost not to exceed \$167,000.

Commissioner Montanari made a motion to approve Resolution 2016:22, Award of Contract 304.44RS- Agreement for Professional and Technical Consulting Services for Moshassuck Valley Interceptor Replacement. Commissioner Farnum seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carried.

C. Review and Approval of Resolution 2016:26; 304.57D-Request for Additional Funds for Environmental Assessment and Design Modifications

Mr. Marshall stated that the Providence River Siphon is a 48-inch brick sewer constructed in 1895 that extends for approximately 800 feet under the Providence River. The siphon conveys flow from the east side of Providence into a 78-inch brick interceptor immediately downstream of the siphon to the Allens Avenue interceptor where it is then conveyed to the Field's Point Wastewater Treatment Facility.

In June 2013, the Board approved Resolution 2013:22 which authorized NBC staff to enter into an agreement with Stantec Consulting Services (Stantec) to perform an evaluation of the 78-inch interceptor and Providence River Siphon. Stantec ultimately concluded that the siphon was in good condition and not in need of replacement but recommended that 500 feet of the 78-inch interceptor be replaced.

In June 2015, NBC's Board of Commissioners approved Resolution 2015:16 which authorized staff to enter into an agreement with Stantec to provide engineering services for final design of the 78-inch interceptor replacement for an amount to not exceed \$240,000. This amount included a design fee of \$201,225 and a 20% contingency.

NBC staff subsequently decided to add rehabilitation of the Providence River siphon inlet and outlet chambers to the scope of work since inspections of the chambers revealed cracks in the 120 year-old brickwork. NBC entered into an Agreement with Stantec to develop construction documents for replacement of the 78-inch interceptor and rehabilitation of the siphon inlet and outlet chambers with a budget of \$216,029.

During the evaluation phase of this project, Stantec estimated construction costs for replacement of 500 feet of the 78-inch interceptor to be \$2,600,000. This estimate assumed utilizing a wall of steel sheeting on each side of the pipe to support the excavation during construction. Minimal pipe support had been anticipated prior to taking soil borings and completing the field mapping. During completion of 60% design, it became apparent that a more robust sheeting and pipe support system was required since soil

borings and field mapping showed poor soil conditions and utility conflicts, respectively. Approximately 100 feet of the pipe to be replaced extends under the I-195 overpass. Replacement of this pipe is anticipated to be very challenging since there is limited overhead clearance to drive steel support sheets into the ground. As a result the construction costs were updated and the estimate grew to \$7,384,000.

NBC staff and our consultants evaluated alternatives to determine if construction costs of the project could be reduced and constructability of the project could be improved. We have decided on a revised approach that involves replacement of 300 feet (rather than 500 feet) of pipe and lining of 575 feet of pipe. This results in an estimated construction cost of \$6,370,000, a savings of approximately \$1,000,000. In addition, this approach improves constructability of the project by eliminating replacement of the section of pipe under the I-195 overpass.

One additional item that surfaced is the Rhode Island Department of Environmental Management (RIDEM) determined that this project will require an Environmental Assessment (EA) in order to receive an Order of Approval associated with funding for construction from the Clean Water State Revolving Fund. Staff originally anticipated that this project qualified for a categorical exclusion from an EA since the pipe is being replaced in-kind, but RIDEM has the regulatory authority to dictate that an EA is required and has chosen to do so.

Stantec has provided an estimate of \$53,000 to complete the environmental assessment and to modify the plans to show replacement of 300 feet of pipe and lining of 575 feet of pipe. The Board has previously authorized \$240,000. Staff is requesting an increase of \$30,000 in the authorized amount, bringing the total authorized amount to \$270,000.

In summary, it is recommended that the Board approve Resolution 2016:26 authorizing staff to amend the agreement with Stantec Consulting Services to complete final design of replacement of 300 feet and lining of 575 feet of the 78-inch interceptor and to perform an Environmental Assessment for an amount not to exceed \$270,000.

Commissioner Farnum made a motion to approve Resolution 2016:26, 304.57D-Request for Additional Funds for Environmental Assessment and Design Modifications. Commissioner Montanari seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carried.

4. Other Business

None.

5. Adjournment

A motion to adjourn was made by Commissioner Montanari seconded by Commissioner Farnum and the CEO Committee meeting adjourned at 10:00 a.m.

Respectfully submitted,



Raymond J. Marshall, P.E.
Executive Director/Secretary