

The Narragansett Bay Commission  
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Vincent J. Mesolella  
Chairman

Raymond J. Marshall, P.E.  
Executive Director



**OFFICIAL MINUTES OF:**

Meeting of:	CEO Committee Meeting
Date:	October 29, 2013
Time:	9:15 a.m.

**MEMBERS PRESENT:**

John MacQueen, Chairman  
Jonathan Farnum  
Vincent Mesolella  
Al Montanari  
Leo Thompson  
Richard Worrell

**MEMBERS ABSENT:**

Robert Andrade  
Angelo Rotella

**STAFF AND GUESTS PRESENT:**

Raymond J. Marshall, Executive Director  
Joanne Maceroni, NBC  
Joe Pratt, Louis Berger Group  
Rich Bernier, NBC  
Karen Musumeci, NBC  
Paul Nordstrom, NBC  
Mark Thomas, NBC  
Phil Albert, NBC  
Jim McCaughey, NBC  
Kathryn Kelly, NBC

Tom Brueckner, NBC  
Deborah Samson, NBC  
Laurie Horridge, NBC  
Jamie Samons, NBC  
Lori Vernon, NBC  
Jennifer Harrington, NBC  
Robert Otoski, CDM-Smith

**1. Call to Order**

Recognizing a quorum, CEO Chairman MacQueen called the October 29, 2013 Construction/Engineering/Operations (CEO) Committee Meeting to order at 9:17 a.m.

**2. Approval of Minutes – June 25, 2013 CEO Committee**

CEO Chairman MacQueen asked for a motion to approve the June 25, 2013 CEO Committee Meeting minutes as written.

Commissioner Montanari moved to approve the minutes of the June 25, 2013 CEO Committee. Commissioners Thompson and Worrell seconded the motion. The vote taken by the CEO Committee was unanimous. The motion carries.

**3. Items for Action**

**A. Review and Approval of Resolution 2013:37; Contract 303.06C-OF 037 Increase COR Authorization Limit**

Mr. Marshall advised that Contract 303.06C – OF 037 was awarded in June 2011 and a Notice to Proceed issued on August 23, 2011 to C. B. Utility, Co., Inc. (CBU) for a cost of \$7,429,700 to undertake sewer separation on the East Side of Providence in the vicinity of North Main Street. The project involves the installation of approximately 11,282 feet of new drain pipe, 96 drain manholes, 120 catch basins, water line relocation and street paving upon completion.

This project is about 78% complete (all the underground work is complete and restoration is ongoing). To date we have approved \$189,141.95 in changes to the project and there is \$293,587.05 in pending costs (see attached COR log). This equates to a combined total of \$482,729.00 in authorized and pending costs. We have also looked at what we expect to have in overruns/underruns to the unit price bid items. We expect the paving quantities to increase due to conditions of existing roads requiring a higher level of effort to restore them for services. This could potentially add \$300,000 to the contract.

Per the NBC's approved COR procedures, the Chairman and Executive Director are authorized to approve CORs up to an aggregate amount of 5% of the Contract amount or \$371,485.00 for this Contract. Consequently we are requesting that the authorized limit be increased by \$480,000 to cover the pending costs and to cover any overruns on unit price items.

Based upon the above, it is recommended that the Chairman and Executive Director be authorized to approve CORs for Contract 303.06C – OF 037 for an aggregate amount not to exceed \$480,000 over the 5% authorized limit and recommend approval of Resolution 2013:37.

Commissioner Thompson made a motion to approve Resolution 2013:37; Contract 303.06C-OF 037 Increase COR Authorization Limit. Commissioner Farnum seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

**B. Review and Approval of Resolution 2013:38; Authorization to Procure Engineering Services of Contract 308.00=Reevaluation of Phase III of the NBC CSO Program**

Mr. Marshall advised that Phase II of the CSO Program is currently under construction and is expected to be completed in 2015. NBC's Consent Agreement with RIDEM for the CSO Program requires NBC to complete preliminary design of the Phase III CSO facilities within one year of completion of construction of Phase II and final design one year after approval of the preliminary design.

The CSO facilities to be built in Phase III are described in a Conceptual Design Report Amendment (CDRA) approved by RIDEM in 1998. These facilities include a 13,000 foot long deep rock tunnel, five sewer separation projects and three CSO Interceptors to convey flow to the Phase III tunnel. Before beginning the preliminary design, NBC believes it would be beneficial to conduct a reevaluation of the Phase III facilities proposed in the CDRA. The purpose is to determine if there is a more cost effective approach that could either reduce the cost or extend the schedule of Phase III by employing new techniques and approaches that are now available, specifically Integrated Planning, Affordability Analysis and Green Technology.

The Reevaluation will consist of the following tasks:

- Development of a sewer hydraulic model for the Bucklin Point Service Area to be used in design of the Phase III facilities;
- For each overflow, evaluate if the recommended abatement method proposed in the CDRA is still the most cost effective, including an evaluation of green infrastructure alternatives, particularly where sewer separation is currently proposed, to reduce or eliminate storm water at its source;
- Evaluate changes in water quality since Phase I went on line to determine if Phase III is still necessary, and if so, to determine if the facilities required now to meet water quality standards could be reduced in scope;
- Develop a cost estimate for Phase III, evaluate the impact on sewer rates and conduct an affordability analysis based on EPA criteria and use an Integrated Planning Framework (IPF) approach to establish priorities
- Establish a Stakeholders Group to update them on progress to date and obtain input on the Phase III Reevaluation;
- Develop mapping of the project area to be used in design;
- Conduct geotechnical investigations as needed for the the Phase III facilities alternatives evaluation

NBC issued a Request for Qualifications and Proposals (RFQ/P) on August 5, 2013 to solicit proposals for engineering services to conduct the Phase III Reevaluation. The RFQ/P also states that if the Reevaluation is completed satisfactorily, the NBC may extend the contract to include design of the Phase III facilities and to provide engineering services during construction. During the design phase, the Selected Respondent will serve as the Program Manager supervising the work of Project Design Engineers.

Proposals were received from three firms:

CDM Smith  
 Louis Berger Group  
 MWH

In accordance with NBC Procurement Regulations, a Review Committee was established to review the proposals. The committee members were: Paul Nordstrom, Director of Operations and Engineering; Rich Bernier, Director of Construction Services; Thomas Brueckner, Engineering Manager; Phil Albert, Chief Environmental Engineer; and Kathryn Kelly, Principal Environmental Engineer.

The evaluations of the committee members rated the proposals essentially equal. The average scores and the cost of the proposals were as follows:

<u>Firm</u>	<u>Rating</u>	<u>Cost</u>
CDM Smith	92	\$1,299,253
MWH	92	\$1,490,779
LBG	91	\$1,767,977

Three of the reviewers had MWH as their highest ranked proposal and two of the reviewers had CDM as the highest ranked proposal.

One of the most important tasks in the Reevaluation is the Affordability Analysis and the use of an Integrated Planning Framework to establish priorities for projects required to be completed to attain water quality standards. This task may demonstrate that the impact of these projects on sewer use rates is so great that an extended schedule

for completion of the Phase III facilities is justified. Another aspect of the Reevaluation that offers significant promise for reducing the cost of both CSO control and storm water requirements is the evaluation of Green Infrastructure improvements (such as porous pavement, rain gardens and bioswales) to reduce runoff at its source. This approach, if feasible, could reduce the need for expenditures on grey infrastructure. Because MWH had the strongest proposal for these tasks it is recommended that MWH be selected to perform the Reevaluation for Phase III. It is further recommended that a 10% contingency be part of the authorized allocation to cover out of scope costs that may arise during the project. Additional project costs that will be incurred include NBC labor costs, police details and other miscellaneous costs.

Therefore, it is recommended that the Board approve Resolution 2013: 38 authorizing staff to negotiate a contract with MWH to provide engineering services to conduct a Reevaluation of the proposed Phase III CSO facilities for an amount not to exceed \$1,490,779 and that NBC's staff may negotiate additional expenditures during the project up to a total of \$1,640,000.

Commissioner Worrell made a motion to approve Resolution 2013:38; Authorization to Procure Engineering Services for Contract 308.00-Evaluation of Phase III of the NBC CSO Program. Commissioners Farnum and Montanari seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

**4. Other Business**

None.

**5. Adjournment**

A motion to adjourn was made by NBC Chairman Mesolella seconded by Commissioner Montanari and the CEO Committee meeting adjourned at 9:48 a.m.

Respectfully submitted,



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