

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:	June 19, 2012
Time:	9:00 a.m.

MEMBERS PRESENT:

Michael Salvadore, CEO Chairman
John Farnum
Vincent Mesolella
Al Montanari
Leo Thompson
Richard Worrell

MEMBERS ABSENT:

Robert Andrade
John MacQueen
Angelo Rotella

STAFF AND GUESTS PRESENT:

Raymond J. Marshall, Executive Director
Tom Uva, NBC
Joe Pratt, Louis Berger Group
Rich Bernier, NBC
Karen Musumeci, NBC
Jennifer Harrington, NBC
Deborah Samson, NBC
Paul Nordstrom, NBC
Pam Duckworth, NBC
Karen Giebink, NBC

Jason Galego, NBC
Tom Brueckner, NBC
Lori Vernon, NBC
Sherri Arnold, NBC
Brendan Cunha, NBC
Laurie Horridge, NBC

1. Call to Order

Recognizing a quorum, CEO Chairman Salvadore called the June 19, 2012 Construction/Engineering/Operations (CEO) Committee Meeting to order at 9:15 a.m.

2. Approval of Minutes – May 15, 2012 CEO Committee

Chairman Salvadore asked for a motion to approve the May 15, 2012 CEO Committee Meeting minutes as written.

Commissioner Farnum moved to approve the minutes of the May 15, 2012 CEO Committee. Commissioner 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 2012:21; Award of Contract 304.55C Improvements to Interceptors-FY2012 Recommendation for Award

Mr. Marshall advised that one bid for construction Contract 304.55C Improvements to Interceptors – FY 2012 was received by the Commission’s Procurement Section on May 11, 2012. The contractor’s bid is:

John Rocchio Corporation	\$1,597,914
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This contract includes several projects that were identified as required by the Commission’s Interceptor Maintenance Section. The work generally consists of:

- cleaning, televising and lining of different pipe sizes
- pipe joint sealing
- manhole rehabilitation
- installation of new sewer pipes and manhole
- demolition/modifications to an existing siphon chamber.

John Rocchio Corporation (Rocchio) submitted the only bid of \$1,597,914. The NBC estimated this contract to be \$1,205,357. Rocchio has successfully completed several projects for the NBC over the years and is currently working on two of the Commissions ongoing projects.

As with all projects of this size and complexity there will be ancillary costs associated with the project including but not limited to: advertising, printing, police details, specialty engineering consultants (maximum contract ceiling of \$20,000), material/soil testing firm and staff time associated with contract inspection and administration.

NBC staff has determined that John Rocchio Corporation is the lowest responsive/responsible bidder. Therefore, we respectfully request your approval of the attached Resolution 2012:21 Authority to Award Contract 304.55C Improvements to Interceptors – FY 2012 to John Rocchio Corporation for a cost not to exceed \$1,597,914 and subject to the approval of the Contractor’s MBE/WBE plan and EEO requirements by the Rhode Island Department of Administration.

Commissioner Montanari made a motion to approve Resolution 2012:21; Award of Contract 304.55C Improvements to Interceptors-FY2012 Recommendation for Award. Commissioner Farnum seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

B. Review and Approval of Resolution 2012:22; Contract 303.05C-OF 027 Increase COR Authorization Limit

Mr. Marshall advised that this contract 303.05C – OF 027 was awarded in June 2011 and a Notice to Proceed issued on July 14, 2011 to John Rocchio Corporation (JRC) for a cost of \$6,580,587 to undertake sewer separation on the East Side of Providence in the vicinity of Hope Street. The project involves the installation of approximately 15,875 feet of new drain pipe, 101 drain manholes, 126 catch basins, lining

of 5,290 feet of 15" sewer modifications to 28 manholes along with water line relocation and street paving upon completion. This project is about 35% complete.

Resolution 2012:03 was approved increasing the COR authorization limit by \$900,000 for soils and utility issues. Two additional major items have arisen.

A) Rock quantity. The contract contained an estimate by the design engineer of 500 cubic yards for the removal and disposal of rock. This rock quantity will reach 2000 cubic yards. It is estimated that we will need an additional \$500,000 for rock removal and disposal.

B) Paving. The contract called for certain roads to receive trench restoration with curb to curb paving and other roads to receive full depth reconstruction of the entire road, depending on the existing condition of the road. Now that construction has progressed to the side streets, it has been discovered that some of the roads that were called to have trench restoration and curb to curb paving really need to be fully reconstructed. The existing pavement did not hold up during construction as was anticipated by the design engineers. It is anticipated that we will need an additional \$600,000 for full depth reconstruction.

Mr. Marshall advised that Joseph Pratt of the Louis Berger Group would be going over the change order in detail with Committee.

Mr. Pratt passed out photographs to the Committee members. He stated that there are two items involved with this change order, the condition of the street and the rock. He advised that the photographs the members have before show before and after photos of the side streets in the Hope Street area. Mr. Pratt noted that when this project began we informed the City and the local communities that we would be doing curb to curb replacement of the surface of the streets and we thought that we could do that on the side streets without major rehabilitation. However after the installation of the gas lines in the middle of the streets, the digging of trenches in other portions of the street to replace water lines, the installation of drains, and the fact that these streets are pretty narrow and not in great shape to begin with there wasn't very much street left to work with. The original contract called for a milling down of the remaining asphalt after the installation of the utilities and then applying an application of asphalt from curb to curb but there was not enough asphalt to mill down to receive the new asphalt therefore it is necessary to install a binder coat. We did not anticipate having to install a binder. This change order will allow the contractor to install a binder coat and then pave the street curb to curb.

The second issue is the rock. During design we took 25 borings and probes in the area and those borings showed rock or that we would get close to rock in 20 percent of the area. During construction the gas company came in to replace some of the gas lines and they indicated to us that there was additional rock in the area. This prompted us to increase the quantity in the bid amount for removal and disposal of rock from 250 cubic yards to 500 cubic yards. Also, as the contractor's work progressed we found that 50 percent of the catch basins on Hope Street and 30 percent of the pipe required rock removal. Some of the catch basins required substantial rock removal. The basins are located on the curbs on the side of the streets and we did not do borings in this area because of the amount of utilities in this area. He advised that we have already begun removing the rock and noted that it is a difficult operation which is being done primarily by jackhammer because of the close proximity of the removal to buildings.

Mr. Pratt advised that these are the two items contained in the change order that is before the Committee today.

There were a few questions from the Committee all which were answered by Mr. Pratt.

This concluded Mr. Pratt's presentation.

Mr. Marshall advised that in addition to the estimated \$1,100,000 we would like to add \$300,000 for a contingency for overruns/unknowns which will arise for the remainder of the project. The project has proven to be very challenging and complex because of the tight urban setting with very old existing infrastructure in the project area.

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 \$329,029 and Resolution 2012:03 has increased this limit by \$900,000. We are requesting that the authorized limit be increased by an additional \$1,400,000 to cover the costs associated with rock (\$500,000), paving (\$600,000) and contingency (\$300,000).

Based upon the above, it is recommended that the Chairman and Executive Director be authorized to approve CORs for Contract 303.05C – OF 027 for an aggregate amount not to exceed \$1,400,000 over the 5% authorized limit plus Resolution 2012:03 \$900,000 and recommend approval of Resolution 2012:22.

Commissioner Montanari made a motion to approve Resolution 2012:22; Contract 303.05C-OF 027 Increase COR Authorization Limit. Commissioner Farnum seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

C. Review and Approval of Resolution 2012:23; Contract 303.11C-WCSOI West Change Order Request Nos. 15 and 16

Mr. Marshall advised that Contract 303.11C – WCSOI West, was awarded in June 2011 and a Notice to Proceed was issued on July 27, 2011 to DiGregorio Inc. at a cost of \$6,848,518. The project called for the contractor to install 2,318 feet of 60" diameter pipe, 9 manholes and a 15' X12' junction structure along the bike path near the Providence/Johnston line plus miscellaneous drainage work on Glenbridge Ave. Resolution 2012:04 added the WRI relief structure for an increase cost of \$767,800.

The new 60 inch pipe being installed will be replacing the existing 36-inch brick Woonasquatucket River Interceptor (WRI) and runs essentially parallel to the WRI. The existing WRI will remain in service until the new pipe installation is complete. The precise location of the WRI was not shown on available record drawings. Therefore, the Contract called for test pits to accurately locate the existing WRI in the area where the new pipe was proposed to be installed. It was found that the existing WRI was closer to the proposed new pipe location than originally anticipated. The design of the new pipe was adjusted to resolve the conflict with the existing WRI. The new design relocated a sizeable structure, MH-18, and moved the new pipe closer to the slope on the north side of the bike path.

After successfully installing approximately 1,100 feet of 60" pipe, the underground conditions changed and the soil started acting differently than expected. DiGregorio had a hard time controlling the bottom of the excavation using his trench box and slide rail trenching system. The soil at the bottom of the trench began to "boil" which means that the soil liquidified and became unstable. These soils issues began as the pipe installation approached the location of the redesign.

DiGregorio had to modify his method of pipe installation by adding filter fabric and extra stone at the bottom of the excavation. Change Order Request 15 was established for sheeting to be installed around MH 18 which he was approaching.

The situation worsened when after a period of time it was discovered that 4 sections of previously installed pipe had moved (both horizontally and vertically). Design engineers were called in to evaluate the situation. They recommend that due to the soils not acting as anticipated and the fact that the pipe is now closer to the bottom of slope; the rest of the pipe installation should be completed within a sheeted excavation.

DiGregorio has submitted two change order requests (COR) with cost for the extra work. COR 15 for sheeting around MH 18 at a price of \$214,514 and COR 16 for sheeting the rest of the 60" pipe installation at a cost of \$2,000,910. We are in the process of negotiating these CORs.

Mr. Marshall advised that Joseph Pratt of Louis Berger Group is here today to explain exactly what has occurred and the issues that arose at the site which has precipitated the change order request.

Mr. Pratt passed out a diagram detailing the pipe issue and passed around a piece of the pipe that is being used at the site. He stated that pipe being installed is 60 inches in width and is called Hobas pipe. It is made of centrifugally cast fiberglass reinforced concrete and he noted that type of pipe is quite common in sewer construction. The Hobas pipe is a little more expensive than regular pipe but it has become the pipe of choice because of its highly corrosive resistance to sewer gases and. Mr. Pratt stated that the work site is located in the bike path area in the western part of Providence. He advised that we were a little uncertain about the exact location of the existing sewer so the contractor was required to do test bits to exactly locate the existing sewer. At this point it was discovered that we needed to move the line locating it closer to an embankment than originally anticipated.

Mr. Pratt explained in detail the conditions at the site including problems with soils and the proximity of the embankment to the construction. These conditions resulted in the movement of the pipe causing the pipe joints to open and allow water to enter. Mr. Pratt detailed the actions that would be taken which included repair of the pipe by the pipe manufacturer and stated that as a result of the site conditions the rest of the pipe installation must be completed within a sheeted excavation. The change order before you today consists of the cost to repair the pipe and the cost for installation of 2 rows of sheeting, one on each side, for the approximately 1,200 square feet of pipe that is being installed.

The Committee had some questions concerning the soil, sheeting, time frame etc., all which were answered by Mr. Pratt.

This completed Mr. Pratt's presentation.

Mr. Marshall advised 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 \$342,426 for this Contract and Resolution 2012:04 had increased this limit by \$767,800 for an additional item of work. Resolution 2012:23 will increase the previous limit by \$2,215,424.

Based upon the above, it is recommended that the Chairman and Executive Director be authorized to approve CORs for Contract 303.11C – WCSOI West for an aggregate amount not to exceed the 5% standard authorized limit plus \$2,983,224 (Resolution 2012:04 @ \$767,800 plus this Resolution 2012:23 @ \$2,215,424) and recommend approval of Resolution 2012:23.

Commissioner Montanari made a motion to approve Resolution 2012:23; Contract 303.11C-WCSOI West Change Order Request Nos. 15 and 16. Commissioner Worrell seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

D. Review and Approval of Resolution 2012:24; Authorization to Enter into an Agreement with National Grid for Replacement of Gas Mains Related to CSO Phase II Sewer Separation Contracts 303.07C-CSO 037 South and 303.08C-CSO 037 North

Mr. Marshall stated that NBC is currently undertaking two sewer separation projects, 303.05C-CSO 027 and 303.06C-CSO 037 West, on the East Side of Providence as part of the Phase II CSO Program. As part of these construction projects, it was necessary to replace existing gas mains that conflict with the proposed location of the new storm water facilities. NBC has entered into Agreements with National Grid for these two projects whereby NBC will reimburse National Grid for half of the actual cost associated with replacing gas mains in the project areas.

In May 2010, the Board approved Resolution 2010:12 authorizing staff to enter into an Agreement with National Grid to replace gas mains in the CSO 027 area for a cost not to exceed \$693,000. In March 2011, the Board approved Resolution 2011:03 authorizing staff to amend the original Agreement for CSO 027 for additional gas main replacement for an additional cost not to exceed \$658,000. This additional gas main replacement was due to RIDEM requiring sewer separation of the entire drainage area thereby adding additional streets to the contract.

In April 2011, the Board authorized through Resolution 2011:09 the NBC to enter into an Agreement with National Grid to replace gas mains in the CSO 037-West area at a cost not to exceed \$860,000. In summary, to date, the Board has approved a total of \$2,211,000 of gas main replacement costs.

The current Phase II schedule calls for construction contracts 303.07-CSO 037 South and 303.08-CSO 037 North to begin in the spring of 2013. Gas main replacement will be required prior to CSO sewer separation construction commencing for these two contracts. National Grid submitted an estimate of \$2,746,812 for gas main replacement in the two project areas. This estimate is based on the higher actual costs for ledge removal and National Grid labor costs incurred for the 303.05C-CSO 027 than was included in the original estimate for that project.

NBC and National Grid will split the cost 50/50, so NBC's estimated cost will be \$1,373,406. A 20% contingency is recommended to provide for unforeseen costs that may be incurred during gas main construction which would increase the total estimated cost to NBC to \$1,648,000. It is important to point out that NBC will need to enter into an Agreement with National Grid to have National Grid replace the gas mains. Although the estimated costs will be included in the Agreement, NBC will be required to pay its share of the actual costs incurred by National Grid.

We respectfully request that the Board approve Resolution 2012:24 authorizing staff to enter into an Agreement with National Grid to reimburse National Grid on a 50/50 cost sharing basis for replacement of gas mains necessary to complete Contracts 303.07C-CSO 037 North and 303.08C-CSO 037 South at an estimated cost to NBC not to exceed \$1,648,000.

Commissioner Thompson made a motion to approve Resolution 2012:24; Authorization to Enter into an Agreement with National Grid for Replacement of Gas Mains Related to CSO Phase II Sewer Separation Contracts 303.07C-CSO 037 South and 303.08C-CSO 037 North. Commissioner Farnum 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 Commissioner Montanari, seconded by Commissioner Worrell and the CEO Committee meeting adjourned at 9:55 a.m.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Raymond J. Marshall". The signature is written in a cursive style with a long, sweeping tail.

Raymond J. Marshall, P.E.

Executive Director/Secretary