



Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street
Chicago, IL 60611

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Title: Issue a purchase order and enter into an agreement with Black & Veatch Corporation, for professional engineering post award services for Contract 04-201-4F, Tollway Dam, Grout Curtain and Quarry Plugs, Thornton Composite Reservoir, Calumet Service Area, in an amount not to exceed \$6,141,945.10, Account 401-50000-601440, Requisition 1292486

Sponsors:

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Attachments:

Date	Ver.	Action By	Action	Result
1/7/2010	1	Committee of the Whole	Deferred	Pass
1/7/2010	1	Board of Commissioners	Approved	Pass

TRANSMITTAL LETTER FOR BOARD MEETING OF JANUARY 7, 2010

COMMITTEE ON PROCUREMENT

Mr. Richard Lanyon, Executive Director

Issue a purchase order and enter into an agreement with Black & Veatch Corporation, for professional engineering post award services for Contract 04-201-4F, Tollway Dam, Grout Curtain and Quarry Plugs, Thornton Composite Reservoir, Calumet Service Area, in an amount not to exceed \$6,141,945.10, Account 401-50000-601440, Requisition 1292486

Dear Sir:

Authorization is requested to issue a purchase order and enter into an agreement with Black & Veatch Corporation (B&V) for professional engineering post award services for Contract 04-201-4F, Tollway Dam, Grout Curtain and Quarry Plugs, Thornton Composite Reservoir, Calumet Service Area.

The District's agreement with B&V will consist of providing post-award engineering services for Contract 04-201-4F including submittal review, field visits, design support, responding to requests for information, review of change orders, coordination and support services, resident engineering assistance and inspection, and as-needed engineering services. Authority to award the construction contract was granted on December 3, 2009.

B&V has been selected by the Engineering Department to provide the needed professional engineering post award services because of its intimate knowledge of the specialized work to be performed under Contract 04-201-4F.

The total fee for the agreement is \$6,141,945.10.

The post award services under this agreement are scheduled to last approximately 62 months and are

expected to be completed in March 2015.

The deliverables to be provided under this agreement include:

- Providing engineering services during construction
- Resident engineering assistance and inspection
- Construction contract administration assistance
- Submittal review memos
- Request for information responses
- Request for proposals, calculations, drawings, etc.

Design engineering services for Contract 04-201-4F were provided jointly by B&V and MWH Americas, Inc. (MWH). In this post award agreement, B&V will be responsible for portions of the work they designed such as the grout curtain and access ramp improvements including highwall stability work and guardrail installation. It would be prudent to continue to work with B&V for this contract, rather than initiate a new consultant selection process. Additionally, retaining B&V for the post award phase of the contract maintains continuity of responsibility if problems occur after construction. Authorization to issue a purchase order and enter into an agreement with MWH for professional engineering post award services relating to their portion of the design will be forthcoming at a future meeting as a separate Board agenda item.

Six key personnel and 29,891 hours of consultant time are estimated for this work. The estimated average consultant payroll rate for the term of the agreement is \$54.19/hour.

B&V shall be paid an hourly rate based on the direct labor rate in effect for the year the work is performed, times an overall multiplier of 3.0174 for office work, 2.475 for field work, plus reimbursable direct costs, up to a total amount not to exceed \$6,141,945.10. The components of the total fee for the agreement with B&V are as follows:

Item:	Fee:
1. Labor Cost - Engineering Services	
A. Direct Labor	763,771.00
B. Overhead and Profit	1,540,831.62
C. Total Engineering Services Labor Fee	\$2,304,602.62
2. Labor Cost - Resident Engineering Services	
A. Direct Labor	856,001.00
B. Overhead and Profit	1,262,601.48
C. Total Resident Engineering Services Labor Fee	\$2,118,602.48
3. Reimbursable Direct Costs	
A. B&V Engineering Services Direct Costs	90,000.00
B. B&V Resident Engineering Services Direct Costs	93,000.00
C. Subcontractors	
I. Rubinos & Mesia Engineers, Inc.	739,700.00
II. McBride Engineering, Inc.	655,500.00
III. Best Imaging Solutions, Inc.	10,500.00
IV. Geosystems, L.P.	130,040.00
D. Total Reimbursable Fee	\$1,718,740.00
Total Fee	\$6,141,945.10

Work to be completed by MBE and WBE firms represent approximately 22.9% of the total dollar value of this agreement. Assuming the maximum cost of the agreement is reached, Rubinos and Mesia Engineers, Inc., McBride Engineering, Inc., and Best Imaging Solutions, Inc. will receive approximately \$1,405,700.00 in total compensation.

The Affirmative Action Section has reviewed the agreement and has concluded that B&V is in accord with the District's Affirmative Action Policy.

Inasmuch as the firm of B&V possesses a high degree of professional skill, it is recommended that the Director of Procurement and Materials Management be authorized to issue a purchase order and enter into an agreement without advertising, per Section 11.4 of the Purchasing Act, in an amount not to exceed \$6,141,945.10.

Funds are available in Account 401-50000-601440.

Requested, Joseph P. Sobanski, Director of Engineering, WSS:MVL

Recommended, Darlene A. LoCascio, Director of Procurement and Materials Management

Respectfully Submitted, Barbara J. McGowan, Chairman Committee on Procurement

Disposition of this agenda item will be documented in the official Regular Board Meeting Minutes of the Board of Commissioners for January 7, 2010