



Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street
Chicago, IL 60611

Legislation Details (With Text)

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Title: Issue a purchase order and enter into an agreement with Geosyntec Consultants for professional engineering services for Contract 14-113-5F Stormwater Retrofits for Real-Time Controls and Rainwater Harvesting System at Dearborn Homes, Chicago, IL, in an amount not to exceed \$327,695.64, Account 501-50000-601420, Requisition 1387589

Sponsors:

Indexes:

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Attachments:

Date	Ver.	Action By	Action	Result
11/6/2014	1	Committee of the Whole	Recommended	Pass
11/6/2014	1	Board of Commissioners	Approved	Pass

TRANSMITTAL LETTER FOR BOARD MEETING OF NOVEMBER 6, 2014

COMMITTEE ON PROCUREMENT

Mr. David St. Pierre, Executive Director

Issue a purchase order and enter into an agreement with Geosyntec Consultants for professional engineering services for Contract 14-113-5F Stormwater Retrofits for Real-Time Controls and Rainwater Harvesting System at Dearborn Homes, Chicago, IL, in an amount not to exceed \$327,695.64, Account 501-50000-601420, Requisition 1387589

Dear Sir:

Authorization is requested to issue a purchase order and enter into an agreement with Geosyntec Consultants (Geosyntec) for professional engineering services for Contract 14-113-3F Stormwater Retrofits for Real Time Controls and Rainwater Harvesting System at Dearborn Homes, Chicago, IL, in an amount not to exceed \$327,695.64.

A unique opportunity exists to reconfigure an existing underground 290,000 gallon stormwater detention vault located at Dearborn Homes (2930 S. Dearborn Street in Chicago) where stormwater is currently slowly discharged to the combined sewer system. The project being contemplated involves use of OptiRTC, developed and patented by Geosyntec, to harvest the detained stormwater for irrigation of nearby landscaping and athletic fields. OptiRTC acquires real-time weather forecasting data to make system control decisions for dewatering the detention vault. In addition to the system's patented logic, Geosyntec has the necessary experience to understand the functional civil design requirements necessary to deploy the OptiRTC Controller within a combined sewer system. Therefore, Geosyntec was designated a sole source supplier of this technology and for preparation of plans and specifications for construction of this project. The proposed system will reduce wet weather flows from the site into the receiving combined sewer and help to alleviate localized flooding. The District will seek credit for this project under the Green Infrastructure requirements of

the Consent Decree, subject to approval by the United States Environmental Protection Agency. Dearborn Homes is managed by the Chicago Housing Authority (CHA). Authority is being sought from the Board of Commissioners under a separate item agenda at this meeting to negotiate and enter into an intergovernmental agreement with CHA.

The time allowed for services to be performed under this agreement is 240 days from the date the contract is awarded. There are no provisions in the agreement for extension of time except for such reasonable period as may be agreed upon between parties.

Deliverables to be provided under this agreement include:

- Final Plans and Specifications
- Opinion of Probable Construction Cost based on Final Plans and Specifications

Geosyntec has submitted a proposal in the amount of \$327,695.64 for professional services for Contract 14-113-3F, Stormwater Retrofits for Real-Time Controls and Rainwater Harvesting System at Dearborn Homes, Chicago, IL. The Engineering Department has reviewed the proposal and found it to be acceptable.

It is estimated that over 16 persons will be working on the contract at various times with an anticipated total of 2,075 man-hours. The average payroll rate will be approximately \$46.83.

Geosyntec 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 3.08, plus reimbursable direct costs, up to a total amount not to exceed \$327,695.64.

<u>Item</u>	<u>Fee</u>
1. Prime Consultant Fee	
A. Direct Labor	\$56,483.00
B. Overhead and Profit	<u>117,484.64</u>
C. Total Labor Fee	\$173,967.64
2. Reimbursable Direct Costs	\$ 28,400.00
3. PCE Sub-Consultants	
A. MBE/SBE Firms	\$77,428.00
B. WBE/SBE Firms	<u>33,200.00</u>
C. Total PCE Sub-Consultants	\$110,628.00
4. Non-PCE Sub-Consultants	\$ 14,700.00
Total Fee (Not to Exceed)	\$327,695.64

The firm Milhouse Engineering and Construction, Inc., is a Minority-Owned Business Enterprise/Small Business Enterprise (MBE/SBE). The firms TERRA Engineering and M Squared Engineering are Woman-Owned Business Enterprises (WBE). All MBE/SBE/WBE firms will actively participate in providing services for the core elements required by the agreement.

The Diversity Section has reviewed the agreement and has concluded that the MBE/SBE and WBE/SBE firms are in accordance with the District's Affirmative Action Policy. The agreement shall be subject to the approval of the Law Department as to form and legality.

Inasmuch as the firm of Geosyntec 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 \$327,695.64.

Funds for the 2014 expenditure, in the amount of \$80,000.00, are available in Account 501-50000-601420. The estimated expenditure for 2015 is \$247,695.64. Funds for the 2015 expenditures are contingent on the Board of Commissioners' approval of the District's budget for that year.

Requested, Catherine A. O'Connor, Director of Engineering, WSS:JPM

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 November 6, 2014