



Memorandum

To: Honorable Mayor and Members of the City Council
Administration and Public Works Committee

From: David Stoneback, Public Works Agency Director
Lara Biggs, P.E., Bureau Chief – Capital Planning / City Engineer
Kristin Rehg, P.E., Senior Project Manager

Subject: Engineering Services for Treated Water Storage Replacement Project
(RFP 15-55)

Date: December 28, 2015

Recommended Action:

Staff recommends City Council authorize the City Manager to execute an agreement for engineering services for the Treated Water Storage Replacement project (RFP 15-55) with CDM Smith (125 South Wacker Drive, Suite 600, Chicago, IL) in the not-to-exceed amount of \$1,174,685.00.

Funding Source:

Funding will be from the Water Fund, Capital Improvement Account 513.71.7330.62145 – 733107, which has a FY 2016 budget allocation of \$1,390,000.

Staff is in the process of applying for a low interest loan from the Illinois Environmental Protection Agency (IEPA). The IEPA has assigned a project reviewer to this project, indicating their intention to review it for prioritization on the state's Intended Use Plan. However, the loan application is only finalized and the loan issued once the design is complete and a contractor has been selected for construction. If the City is successful in obtaining a loan, the eligible engineering fees will be included as part of the loan agreement.

Background:

The scope of work for this contract is for an engineering firm to provide design engineering and construction inspection and administration to replace a 5 million gallon treated water storage tank at the water treatment plant. Services would also include assistance during bidding and support services related to the City's application for IEPA low-interest loan funding.

The concrete water storage tank is located beneath a Northwestern University parking lot at the southwest corner of Lincoln Street and Campus Drive. Project planning began in 2013, after multiple tank inspections confirmed that the roof slab was severely deteriorated and might not last more than another five years. In early 2014, the City contracted with CDM Smith to determine Evanston’s long-term needs for treated water storage. This included a lifecycle cost analysis of several alternatives related to the repair or replacement of the 5 million gallon water storage tank. The study concluded that it is more cost effective to replace the storage tank now, rather than addressing only the roof and then replacing the entire tank in 20-30 years.

The new water storage tank will have the same volume and will be constructed in approximately the same location as the existing tank. The project will include regular communication with Northwestern University to confirm the final location of the new water storage tank and coordinate on traffic control, pedestrian safety, and protection of adjacent dormitories. The project also includes sustainable design and construction elements intended to certify it through the ISI Envision Sustainable Infrastructure Rating System (similar to the LEED green building certification program, but specific to infrastructure projects).

Analysis:

The Request for Proposal (RFP) was advertised on Demandstar and in the Chicago Tribune. Proposals were received on November 10, 2015. A total of three proposals were received as summarized below.

Vendor Information	
Vendor	Address
CDM Smith Inc.	125 S. Wacker Drive, Suite 600, Chicago, IL
Greeley & Hansen LLC	100 S. Wacker Drive, Suite 1400, Chicago, IL
MWH	350 N. Orleans St, Suite 1301, Chicago, IL

The pricing received for design, bidding, IEPA loan support, and construction tasks is summarized below.

Proposed Pricing Information	
Vendor	Price
CDM Smith Inc.	\$1,174,685
Carollo Engineers	\$1,275,192
MWH	\$1,772,902

The proposals were reviewed by:

- Lara Biggs, Bureau Chief – Capital Planning / City Engineer
- JacQuera Calvert, Purchasing Specialist
- Jay Henderson, Division Chief – Pumping
- Catherine Hurley, Sustainability Programs Manager
- Kristin Rehg, Senior Project Manager
- Kevin Zeoli, Division Chief – Filtration

The averaged scoring of the proposals was as follows:

Selection Criteria	Max Pts	CDM Smith	Greeley & Hansen	MWH
Firm Qualifications/Experience	15	14	14	13
Team/Project Manager Quals/Exp	20	19	16	14
Project Approach	15	15	15	13
Cost	20	20	18	13
Completeness of Proposal	10	10	10	10
Willingness to Execute Agreement	10	10	10	10
State DBE Program Participation	10	10	10	10
TOTALS	100	98	93	83

All three consulting firms submitted proposals with thorough project approaches, and they demonstrated applicable qualifications as well as compliance with the State of Illinois Disadvantaged Business Enterprise (DBE) program goals. CDM Smith’s proposed team and firm qualifications demonstrated the highest concentration of relevant expertise and experience. They were also the least expensive. CDM Smith has completed numerous projects for the City of Evanston, and staff has been satisfied with the quality of their work.

Utilization of the State DBE goals in lieu of Evanston’s M/W/EBE Program goals is a prerequisite to obtaining IEPA low interest loan funding. IEPA does not allow a local preference in hiring consultants for engineering and other technical work. Therefore, the DBE participation goal of 25% does not include Evanston-based businesses, unless such businesses are also certified DBEs (including MBEs, WBEs, and other socially or economically disadvantaged businesses). CDM Smith is proposing to comply with the 25% DBE participation goal, as well as the State’s specific goals for utilization of MBEs and WBEs. A memo reviewing compliance with the State DBE program is attached.

Attachments:

Memo on Compliance with State of Illinois DBE Program



Memorandum

To: David Stoneback, Public Works Agency Director
 Lara Biggs, P.E., Bureau Chief – Capital Planning / City Engineer
 Kristin Rehg, P.E., Senior Project Manager

From: Tammi Turner, Purchasing Manager

Subject: Engineering Services for Treated Water Storage Replacement, RFP
 15-55

Date: January 11, 2016

The goal of the Minority, Women and Evanston Business Enterprise Program (M/W/EBE) is to assist such businesses with opportunities to grow. In order to help ensure such growth, the City's goal is to have general contractors utilize M/W/EBEs to perform no less than 25% of the awarded contract. With regard to the recommendation for Engineering Services for Treated Water Storage Replacement, RFP 15-55, CDM Smith, is found to be in compliance with the goal.

CDM Smith's, total base bid is \$1,174,685.00, and they will receive 25% initial credit.

Name of M/W/EBE	Scope of Work	Contract Amount	%	MBE	WBE	DBE
AAA Engineering Ltd 4323 W. Irving Park Road Chicago, IL 60614	Engineering Services	\$72,000	6%		X	
American Surveying 105 W. Madison, Ste. 1700 Chicago, IL 60602	Site Surveying	\$7,400	0.6%	X		
Terra Engineering 225 W. Ohio Street, 4 th Flr. Chicago, IL 60654	Construction Inspection	\$144,200	12%		X	
Vistara Construction Services 728 W. Jackson Blvd, Ste. 526 Chicago, IL 60661	Cost Estimating	\$32,000	2.7%	X		
Wang Engineering Inc. 1145 N. Main Street Lombard, IL 60148	Geotechnical Services	\$38,000	3.2%			X
Total M/W/EBE		\$293,600	25%			

CC: Marty Lyons, Assistant City Manager / CFO