



Procurement Report

Date: July 24, 2019
To: Sue McCormick, Chief Executive Officer
From: Dan Edwards, Procurement Manager
Re: Procurement Report

General Information			
Contract Number:	1803709	Project Owner:	Mini Panicker
Contract Title:	Conveyance System Infrastructure Improvements		
Vendor:	Applied Sciences, Inc.		
Budget:	Capital Project		
Contract Length:	42 Months		

Procurement Method

Competitively bid – Request for Proposal (RFP) Qualification Based Selection (QBS) – Evaluation Committee			
Advertised:	01-18-2019	Addendums released:	4
Distributed to:	65	Downloaded by:	65
Response due date:	2-27-2019	Responses received:	2

Negotiated Cost Schedule

Applied Science Inc.		
Description	Original Proposal	Negotiated
Task 1 – Project Kickoff Meeting	\$ 7,917.00	\$7,917.00
Task 2 – Project Management	\$ 73,917.00	\$73,917.00
Task 3 – Document Review, Program Planning and Existing Conditions Study	\$ 731,716.00	\$731,716.00
Task 4 – Alternative Development and Workshops	\$ 326,307.00	\$326,307.00
Task 5 -Final Design	\$ 1,156,037.00	\$1,156,037.00
Task 6 -Bid Document and Preparation and Bid Analysis Assistance	\$ 7,906.00	\$7,906.00
Task 7 -Construction Phase Activities	\$ 1,872,038.00	\$1,792,038.00
Task 8 – Outfall Gate Driver Inspections	\$ 180,000.00	\$180,000.00
Task 9 – Permit Allowance	\$ 50,000.00	\$50,000.00
Task 10 – Owner Provisionary Allowance for Changes		\$250,000.00
Totals	\$ 4,405,838.00	\$4,575,838.00

Provisionary Allowance is an amount included in the Contract Price to reimburse the Consultant for the cost to furnish and perform Work that is uncertain. Any remaining



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balance upon Final Completion shall be retained by the GLWA and not paid to the Consultant.

Benchmarking was completed by comparing the proposals for this project. This analysis confirmed that rates are in competitive range. The rate comparisons and allowances (if any) are illustrated in the attached document labeled cost tabulation.

The original budget was \$2,000,000.00 and the negotiated amount ended up being 4,575,838.00, because the original engineer's estimate was based upon a very preliminary scope of work, and during the RFP finalization and negotiations the scope of work was better defined. The net result of these refinements was added scope work, reflecting items that were not originally considered but would provide GLWA with added value. Some of these refinements include:

Vendor proposed services deemed to provide added value to GLWA:

- Analyzing each site to determine if modifications are required to provide more conveyance, better instrumentation, and modifications in the flow determination from the site. Future maintenance approaches, flow control methods, and traffic control elements will be taken into consideration when developing all access options;
- Hydraulic investigations will need to be completed for any modifications to existing systems, capacity modification design and analysis, by-pass or flow control, and for permitting assistance and approval. The vendor will generate low, average and high flow estimates for each site. This information will be informative for GLWA in the future and will be essential for the contractor to understand the working conditions;
- Performing mechanical investigations will need to be completed for any modifications to existing structures, gates, backwater gates, operators, and blowers that are essential in the proper operation of the facilities. A full condition and operational assessment of the process mechanical equipment will also be made to assure the equipment is still needed or proper for the present use of the facility;
- Conducting structural investigations of the structures; specifically, man-entry inspections will be made to verify access openings and supporting elements associated with the mechanic/electrical equipment;
- Investigating the inclusion of the following items;
 - Regulator modifications for capacity increases
 - Adjustments to flashboard due to increased water levels
 - Modifications to the locations of the level sensors to gain better accuracy



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- Modifications to the CSO determination methodology (mandatory if any modifications are made to level sensor locations, flashboards, or adjustments to the elevations from survey data); and
- Venting needs and sizing

There is also a large difference between the proposed budget for the two vendors because the Applied Science Team capitalized on their superior knowledge and familiarity of the GLWA system which was reflected in their cost proposal. Knowledge and familiarity items include:

- GLWA collection system and facilities identified in the proposal;
- Systems flow conditions and operation parameters of the devices;
- GLWA’s protocols and procedures;
- Prior access to entering or visiting nearly every facility listed; and
- Prior experience with developing inspection and rehabilitation plans to minimize disruptions.

Evaluation and Scores

Evaluation Committee: (Designation – Organization)
A – GLWA, Water & Field Services Manager
B – GLWA, Water & Field Services Engineer
C – GLWA, Water & Field Services Team Leader
D – DWSD, Field Services & Engineering, Engineer

The Evaluation Committee independently reviewed and scored the proposals in accordance with GLWA’s policy. The rankings are below.

Maximum Score Possible:		
Vendor (Highest to lowest score)	Score	Proposed Cost before Negotiations
Applied Science Inc.	82.33	\$ 4,405,838.00
Mott MacDonald Michigan, LLC	70.43	\$ 8,744,877.00

Other Data Requested by GLWA Board Members

Minority Business Enterprise (MBE): No
 Detroit Based Business (DBB): Yes
 Small Business Enterprise (SBE): Yes

Sub-Contractor(s) List:
 OMP Engineering Inc.
 Process Controls & Instrumentations (PCI) LLC



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Vendor Response Survey: Attached

Litigation

This vendor is not currently nor has been previously involved in any litigation with the GLWA.

Financials

A financial risk assessment was performed by the GLWA via Dun & Bradstreet and was determined that the selected vendor has the financial capacity to perform the tasks under this contract. This information is available for the Board of Directors to review upon request.