

**Memorandum
Public Works Department**



To: City Manager
Subject: Water Treatment Filter Facility, CRI Project 2760
Date: April 18, 2017
Number: 2017-044

The Engineering Division opened bids for the above referenced project on Tuesday, April 18, 2017. A copy of the bid summary is attached.

The invitation for bid was advertised in the Rock Island Argus and Peoria Star Journal on February 14, 15 and 16, 2017. It was also posted on the City Website. The following were contacted:

- | | |
|---------------------------|------------------------------|
| Civil Constructors, Inc. | Leander Construction, Inc. |
| Valley Construction, Inc. | Langman Construction, Inc. |
| McCarthy Improvement, Co. | Brandt Construction, Co. |
| Williams Brothers | River City Construction, LLC |

The low base bid is from Civil Constructors, of East Moline, Illinois in the amount of \$17,652,600.00. Alternative bids were also received for: ultraviolet (UV) disinfection reactors, a chemical fire suppression system and elimination of the arched window detailing. The bids also included allowances for additional subgrade excavation and alterations to recovery basin discharge piping. Civil Constructors' alternative bids and allowances were in the amount of \$841,450.00 for a bid amount of \$18,494,050.00.

This project to be funded by the Illinois Environmental Protection Agency revolving fund program and as such, the contract cannot be awarded until they have given their approval. The IEPA allows for a contingency of 3% for change orders on projects funded through this program. Therefore, a contingency of \$554,821.00 is added on to the contractor's bid amount. The results of the bidding (plus alternatives, allowances and contingency for the estimated final construction amount is as follows:

Contractor's base bid:	\$17,652,600.00
Alternative bids/Allowances:	+ \$841,450.00
Construction Contingency:	+ \$554,821.00
Total:	\$19,048,871.00

The total bid and contingency was in the amount of \$19,048,871.00 which is \$5,951,129.00 less than the engineer's estimate of \$25,000,000.00.

Recommendation

It is recommended that the City Council approve the attached Notice of Intent to Award to Civil Constructors, Inc. of East Moline, Illinois in the amount of \$19,048,871.00.

Vendor: Civil Constructors, Inc., East Moline, Illinois
Estimated Final Contract Amount: \$19,048,871.00

Accounts Chargeable:

Fund:	501	Water Operation & Maintenance
Division:	618	Utilities Service
Cost Center:	352	Water Treatment Plant
Object Class:	56201	Buildings-New Construction
Project:	2760	Water Treatment Filter Facility
Grant:	000	

Submitted by: Larry Cook, Interim Public Works Director
Michael J. Kane, P.E., City Engineer

Approved by: Randall D. Tweet, Interim City Manager

NOTICE OF INTENT TO AWARD

To: **Civil Constructors, Inc.**
1716 179th Street
East Moline, Illinois 61244

Project Description: **Water Treatment Filter Facility**
City of Rock Job No. 2760

The OWNER has considered the BID submitted by you for the above described WORK, in response to its Advertisement for Bids, dated February 10, 2016, and Information for Bidders.

You are hereby notified that your BID will be accepted, contingent upon Illinois Environmental Protection Agency (IEPA) approval, for items in the amount of \$18,494,050.00.

You will be required by the Information for Bidders to execute the Agreement and furnish the required CONTRACTOR'S Performance BOND, Payment BOND and certificates of insurance within ten (10) calendar days from the date of the final Notice to be sent upon IEPA approval, to you.

Dated this _____ day of May, 2017.

City of Rock Island
OWNER

By: _____

Title: _____
City Manager



125 South Wacker Drive, Suite 700
Chicago, IL 60606-4437
tel: 312 346-5000
fax: 312 346-5228

April 24, 2017

Mr. Larry Cook
cook.larry@rigov.org
Interim Director of Public Works and Utilities Superintendent
City of Rock Island
1309 Mill Street
Rock Island, Illinois 61201

Subject: Water Treatment Plant
Filtration Facility Design and Bidding Services (CDM Smith Project No. 110389)
Rock Island Job No. 2660 / IEPA Loan No. L175278
Evaluation of Bids

Dear Larry:

Sealed bids for the referenced project were opened in a public forum on April 18th, 2017 at 9:05 A.M. as advertised. Bids were received from five contractors. All bidders complied with the following bid requirements:

- Attended the mandatory pre-bid conference on March 2, 2017.
- Advertised for Disadvantaged Business Enterprise (DBE) participation in the *Peoria Journal Star* at least 16 days prior to the bid opening.
- Acknowledged receipt of the four addenda issued during the bidding period.
- Provided the required bid security in the amount of five percent of the total bid amount.

The bids of the five bidders are summarized in the following attachments:

- Exhibit A: Bid Amounts for Base Bid and Alternate, Deductive, and Allowance Items
- Exhibit B: Mandatory Questions and Required Documentation
- Exhibit C: Named Manufacturers
- Exhibit D: UV Reactors Components Replacement Cost

Exhibit A summarizes the prices that each bidder proposed for the base bid and alternate bid items, along with the total bid amount. CDM Smith has verified that the bidders correctly calculated the total bid amount. The total base bid amounts ranged from \$17,652,600 to \$22,499,000. CDM Smith's opinion of the probable construction cost of the work included in the base bid was \$25,000,000. CDM Smith's opinion of the probable construction cost (OPCC) of the total contract price (inclusive of alternate bid items and the deductive items but not including the allowances)



Mr. Larry Cook
April 24, 2017
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was \$25,978,000. CDM Smith's OPCC did include a contingency of 10% for this project and we recommend that this contingency be carried over in the project budgeting moving forward.

Exhibit C summarizes the responses of the bidders to questions in the bid form; two of which were required by the Illinois Environmental Protection Agency (IEPA) for funding under the Public Water Supply Loan Program. The last three questions are related to compliance with City of Rock Island requirements. The exhibit also lists documentation that was required to be submitted with the bids for compliance with the IEPA SRF loan program. Additionally, the exhibit lists additional items that are required to be submitted with the bids for compliance with the City of Rock Island City Ordinance No. 052-2016. Items which do not comply with the bidding requirements or Contract Documents are shaded.

Exhibit D summarizes UV reactor components replacement cost for the selected UV manufacturer.

Based on our evaluation, it is CDM Smith's recommendation to award this contract to Civil Constructors, Inc. (Civil) in the total bid amount of \$18,496,550. This includes all alternate bid items with the exception of Item AB-03 (deduct for eliminating the arched windows). Civil has complied with the bidding requirements and has previously completed satisfactory work for the City of Rock Island. Following your acceptance of this recommendation, the Notice of Intent to Award will be prepared for execution.

Please let me know if you have any questions. We look forward to working with you on the next phase of this important project.

Sincerely,

A handwritten signature in blue ink, appearing to read "Amrou Atassi".

Amrou Atassi, P.E., BCEE
Senior Project Manager
CDM Smith Inc.

Attachments:

- Exhibit A Bid Amounts for Base Bid and Alternate, Deductive, and Allowance Items
- Exhibit B Mandatory Questions and Required Documentation
- Exhibit C Named Manufacturers
- Exhibit D UV Reactor Components Replacement Cost

cc: Mr. Michael Kane & Mr. Jason Upton (Rock Island)
Mr. Alan LeBlanc & Ms. Joanna Cummings (CDM Smith)



City of Rock Island Public Works Department
 Filtration Facility Water Treatment Plant
 Rock Island Job No. 2760 / IEPA Loan No. L175278

TABULATION OF BIDS RECEIVED ON APRIL18, 2017
EXHIBIT B. MANDATORY QUESTIONS AND REQUIRED DOCUMENTATION (Items 4, 10, and 11 of Bid Form)

Mandatory Questions

No.	Question	Walbridge	McCarthy Improvement Company	General Constructors Inc	Civil Constructors	Williams Brothers
00020	Did Bidder Attend Mandatory Pre-Bid?	y	y	y	y	y
4.0	Does the Bidder acknowledge all four addenda?	y	y	y	y	y
10.1	Is Bidder currently certified as an MBE or WBE under EPA's DBE Program?	n	n	n	n	n
10.2	Has Bidder previously performed work subject to the President's Executive Order No. 11246, or any preceding similar executive order which relates to nondiscrimination?	y	y	y	y	y
10.3	Has the bidder reviewed and agree that they will comply with the City of Rock Island Ordinance No. 052-2016 with the modifications noted in Addendum 2?	y	y	y	y	y
10.4	Has the bidder reviewed and agreed that they will comply with the ILLOWA Construction Labor and Management Council IMPACT Memorandum of Understanding?	y	y	y	y	y
10.5	Has the bidder or officers of the bidder had any tax liens or delinquencies in the past five (5) years? If yes, list	n	n	n	n	n

Required Documentation

No.	Documentation	Walbridge	McCarthy Improvement Company	General Constructors Inc	Civil Constructors	Williams Brothers
11.1	Bid Form	y	y	y	y	y
00100	Corporate Seal on Appropriate Forms	n	y	n	y	y
11.2	Bid Security	y	y	y	y	y
11.3	Bidder Certification in Compliance with Article 33E to the "Criminal Code of 1961"	y	y	y	y	y
11.4	Certification that Bidder will award no sub-agreements, including the procurement of equipment, materials, supplies and services	n/a	y (2)	n/a	n/a	n/a
11.5	Certification of publication or adequate evidence of proof of publication, including an actual copy of the advertisement from the Peoria Journal Star newspaper	n	y	y	y	y
11.6	List of all disadvantaged business enterprises (DBE) and non-DBEs that submitted proposals to the Bidder, along with the date of the proposal	y	y	y	y	y
11.7	List of DBEs not being utilized and justification for non-utilization	n	n	n	y	n/a
11.8	Certification that Form 6100-2 (DBE Subcontractor Participation Form) has been provided to DBE subcontractors being utilized	y	n	y	y	n/a
11.9	Completed and signed Form 6100-3 (DBE Subcontractor Performance Form)	y	y	n	y	n/a
11.10	Completed and signed Form 6100-4 (DBE Subcontractor Utilization Form)	y	y	y	y	n/a
11.11	Certification from Bidder attesting that the Bidder has no controlling or dominating interest or conflict of interest with the DBEs that are proposed to be utilized	y	y	y	y	y
11.12	In the instances where the Bidder does not receive any proposals from DBEs prior to the Bid opening, certification from Bidder attesting that no proposals were received	n/a	y (2)	n/a	n/a	y
11.13	Bidder Certification Regarding Use of American Iron and Steel Products	y	y	y	y	y
11.14	Certificate or proof that the Contractor can transact business within the State of Illinois (ex proof of registration with the Illinois Department of Revenue.)	y	y	n	y	y
11.15	Certificates of insurance indicating the following coverages: general liability, workers' compensation, automobile, hazardous occupation, product liability, and professional liability.	y	y	n	y	n
11.16	List of subcontractors' name and address from whom the contractor has accepted a bid and/or intends to hire on the project.	y	y	n	y	y
11.17	Completed Statement of Past Performance Form (provided in Addendum 3) for each water treatment plant project completed in the last three (3) years by the contractor. If no water treatment plant projects have been completed in the past three (3) years, fill out the form for the most recent water treatment plant project, waste water treatment plant project, or other related project.	y	y	y	y	y
00800-3.0	Completed and signed Notice to Labor Unions or Other Organization of Workers Nondiscrimination in Employment	n	n	n	y	y
00800-3.0	Completed and signed Form 5700-49 (Certification Regarding Debarment, Suspension and Other Responsibility Matters)	n	y	y	y	y
00800-3.0	Completed and signed Certification Regarding Non-Segregated Facilities	n	y	y	y	y

Notes:

- (1) y = yes provided; no=not provided; n/a = not applicable
 - (2) This form was included in error.
 - (3) n/a indicates that a form was not applicable (DBE forms vary based on proposals received).
- Yellow highlights indicate that a required form was not received.
 Grey highlights indicate that an optional form was not received.

City of Rock Island Public Works Department
 Filtration Facility Water Treatment Plant
 Rock Island Job No. 2760 / IEPA Loan No. L175278

TABULATION OF BIDS RECEIVED ON APRIL18, 2017
EXHIBIT A. BID AMOUNTS FOR BASE BID AND ALTERNATE, DEDUCTIVE, AND ALLOWANCE ITEMS

No.	Description	Walbridge		McCarthy Improvement		General Constructors Inc		Civil Constructors		Williams Brothers	
		Amount		Amount		Amount		Amount		Amount	
8.1	Base Bid Lump Sum	\$ 20,435,000.00	\$	22,499,000.00	\$	19,100,000.00	\$	17,652,600.00	\$	18,520,000.00	\$
8.3	Alternate Bid										
AB-01	Ultraviolet (UV) Disinfection Reactors and Associated Work	\$ 688,000.00	\$	750,000.00	\$	707,000.00	\$	732,050.00	\$	670,000.00	\$
AB-02	Chemical-type Fire Suppression System for the New Filtration Facility's Main Electrical Room (Room #119)	\$ 39,000.00	\$	81,000.00	\$	57,400.00	\$	43,900.00	\$	47,000.00	\$
8.4	Alternate Deductive Bid										
AB-03	Eliminate arched detailing on exterior over new filtration facility building's windows.	\$ 3,000.00	\$	6,500.00	\$	9,400.00	\$	2,500.00	\$	2,000.00	\$
8.5	Allowances										
EW-01	Additional Excavation for Inorganic Stable Subgrade (150 CY)	\$ 14,400.00	\$	15,000.00	\$	9,750.00	\$	18,000.00	\$	10,500.00	\$
EW-02	Alterations to the Backwash Recovery Basin Discharge Piping	\$ 50,000.00	\$	50,000.00	\$	50,000.00	\$	50,000.00	\$	50,000.00	\$
Total Contract Bid Amount		\$ 21,223,400.00	\$	23,388,500.00	\$	19,914,750.00	\$	18,494,050.00	\$	19,295,500.00	\$

Notes:
 McCarthy's bid form Total Contract Bid Amount totaled spare parts and the base bid instead of following the directions. Spreadsheet shows the correct number.
 Civil Constructors's bid form Total Contract Bid Amount is lower than the calculated value. The individual bid dollar values govern over the submitted Total Contract Bid Amount total.

City of Rock Island Public Works Department
Filtration Facility Water Treatment Plant
Rock Island Job No. 2760 / IEPA Loan No. L175278
TABULATION OF BIDS RECEIVED ON APRIL18, 2017
EXHIBIT C. NAMED MANUFACTURERS (9.0)

No.	Question	Walbridge			McCarthy Improvement Company			General Constructors Inc			Civil Constructors			Williams Brothers		
		Manufacturers			Manufacturers			Manufacturers			Manufacturers			Manufacturers		
1	Ductile Iron Pipe and Fittings (Section 02616 and 15072)	McWane / US pipe	American	US Pipe	US Pipe	US Pipe	US Pipe	US Pipe	US Pipe	US Pipe	US Pipe	US Pipe	American	American	American	American
2	Vertical Turbine Pumps (Section 11214)	Flowsolve	Flowsolve	Flowsolve	Flowsolve	Flowsolve	Flowsolve	Flowsolve	Flowsolve	Flowsolve	Flowsolve	Flowsolve	Flowsolve	Flowsolve	Flowsolve	Flowsolve
3	Air Scour Blower (Section 11276)	Hibon	Universal	Universal	Universal	Universal	Universal	Universal	Universal	Universal	Universal	Hoffman	Hoffman	Hoffman	Hoffman	Hoffman
4	Filter Underdrain System (Section 13221)	Roberts	Roberts	AWI	Roberts	AWI	AWI	AWI	AWI	AWI	AWI	AWI	AWI	AWI	AWI	Roberts
5	Magnetic Flow Meters (Section 13340)	Siemens	Wunderlich-Malec	TBD	Wunderlich-Malec	TBD	TBD	TBD	TBD	TBD	TBD	Siemens	Siemens	Siemens	Siemens	Siemens
6	Butterfly Valves (Section 15100)	DeZurik	Pratt	DeZurik	Pratt	DeZurik	DeZurik	DeZurik	DeZurik	DeZurik	DeZurik	DeZurik	Pratt / DeZurik	Pratt / DeZurik	Pratt / DeZurik	Pratt / DeZurik
7	Electric Actuators for Modulating Valves (Section 15100)	Beck	Tri-City Electric	Beck	Tri-City Electric	Beck	Beck	Beck	Beck	Beck	Beck	Beck	Beck	Beck	Beck	Beck
8	Electric Actuators for Open/Close Valves (Section 15100)	Rotork	Tri-City Electric	Rotork	Tri-City Electric	Rotork	Rotork	Rotork	Rotork	Rotork	Rotork	Rotork	Rotork	Rotork	Rotork	Rotork
9	Ultraviolet (UV) Disinfection Reactors - Alternate Bid Item (Section 11300)	Trojan	Trojan	Trojan	Trojan	Trojan	Trojan	Trojan	Trojan	Trojan	Trojan	Calgon Carbon	Calgon Carbon	Calgon Carbon	Calgon Carbon	Calgon Carbon

Notes:
 Highlighted cells indicate where the bidder did not submit one manufacturer name or manufacturer unknown.

City of Rock Island Public Works Department
 Filtration Facility Water Treatment Plant
 Rock Island Job No. 2760 / IEPA Loan No. L175278

TABULATION OF BIDS RECEIVED ON APRIL18, 2017
EXHIBIT D. UV REACTORS COMPONENTS REPLACEMENT COST

Contractor	DESCRIPTION	Walbridge	McCarthy Improvement Company	General Constructors Inc	Civil Constructors	Williams Brothers
No.		Amount	Amount	Amount	Amount	Amount
AB-01	Manufacturer					
	Ultraviolet (UV) Disinfection Reactors and Associated Work	\$ 688,000.00	Trojan \$ 750,000.00	Trojan \$ 707,000.00	Calgon Carbon \$ 732,050.00	Calgon Carbon \$ 670,000.00
	Replacement Part Guaranteed Replacement Cost					
1.0	Lamp	\$ 390.00	\$ 500.00	\$ 464.00	\$ 364.00	\$ 364.00
2.0	Sleeve	\$ 440.00	\$ 250.00	\$ 250.00	\$ 408.00	\$ 408.00
3.0	Ballast	\$ 4,000.00	\$ 900.00	\$ 900.00	\$ 3,724.00	\$ 3,724.00
4.0	Sensor	\$ 1,400.00	\$ 2,200.00	\$ 2,200.00	\$ 1,255.00	\$ 1,255.00
5.0	Reference Sensor Factory Calibration	\$ 300.00	\$ 750.00	\$ 750.00	\$ 250.00	\$ 250.00