



# ERIE COUNTY WATER AUTHORITY

## INTEROFFICE MEMORANDUM

August 1, 2022

To: Terrence D. McCracken, Secretary to the Authority

From: Michael J. Quinn, Senior Distribution Engineer

A handwritten signature in black ink, appearing to read "MJQ".

Subject: Contract CH-014  
Water System Improvements, Town of Hamburg  
ECWA Project No. 202100034

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On Tuesday, July 19, 2022, the Authority received two (2) bids for the above referenced contract. The bids have been reviewed, a mathematical check has been performed by the consultant, CHA Consulting, Inc. (CHA), and the apparent lowest acceptable bidder is E&R General Construction, Inc. (E&R). Enclosed please find a copy of the letter of recommendation from CHA, dated July 29, 2022, including a bid tabulation sheet for your use and information.

Mathematical errors were found in the E&R bid, however, correcting them did not change E&R's position as the low bidder for this contract.

E&R is an established contractor for the Authority who has worked on numerous ECWA contracts and has been performing work of similar nature in a competent, reliable, and acceptable manner. They have a good understanding of the scope and requirements for this contract. The Engineer's estimate for the contract was \$6,949,417.00 and the bid by E&R is \$3,878,678.00. CHA has provided a detailed opinion on the basis for the difference in cost between the Engineer's estimate and the lowest bid. Regardless, as outlined in the attached recommendation letter, CHA believes that the cost is reasonable, and that the Contractor has included all of the required components of the work in their bid.

E&R provided adequate WMBE documentation, approved by Director of EEO (ECWA), insurance, approved by Claims Representative/Risk Manager, and proof of apprenticeship program, approved by Coordinator of Employee Relations. We, therefore, recommend award of the above referenced contract to E&R General Construction, Inc. in the amount of \$3,878,678.00, subject to legal review.

### **2022 Budget Information (Balance to be budgeted in 2023):**

Unit: 2590 Eng/Const Distribution Mains

Item 101591 CH-014 Waterline Replacement

Attached please find the following documents:

1. ECWA Authorization Form.
2. ECWA Recommendation for Award of Contract form.
3. Letter from consultant, CHA Consulting, Inc., dated July 29, 2022 (incl. Bid Tabulation.)

MJQ:jmf/lal1

Attachments

cc: R.Stoll,  
L.Kowalski,  
L.Lester

CONT-CH-014-2101-X-12

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ERIE COUNTY WATER AUTHORITY  
 AUTHORIZATION FORM  
 For Approval/Execution of Documents  
 (check which apply)

**Contract:** CH-014 **Project No.:** 202100034  
**Project Description:** Water System Improvements, Town of Hamburg.

**Item Description:**






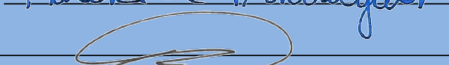

Agreement     Professional Service Contract     Amendment     Change Order  
 BCD     NYSDOT Agreement     Contract Documents     Addendum  
 Recommendation for Award of Contract     Recommendation to Reject Bids  
 Request for Proposals  
 Other \_\_\_\_\_

**Action Requested:**


Board Authorization to Execute     Legal Approval  
 Board Authorization to Award     Execution by the Chairman  
 Board Authorization to Advertise for Bids     Execution by the Secretary to the Authority  
 Board Authorization to Solicit Request for Proposals  
 Other \_\_\_\_\_

**Approvals Needed:**

**APPROVED AS TO CONTENT:**

<input checked="" type="checkbox"/> Sr. Distribution Engineer	<u></u>	Date: <u>8/1/2022</u>
<input checked="" type="checkbox"/> Chief Operating Officer	<u></u>	Date: <u>08/01/2022</u>
<input checked="" type="checkbox"/> Executive Engineer	<u></u>	Date: <u>08/01/2022</u>
<input checked="" type="checkbox"/> Director of Administration	<u></u>	Date: <u>08/01/2022</u>
<input checked="" type="checkbox"/> Risk Manager	<u></u>	Date: <u>08/01/2022</u>
<input checked="" type="checkbox"/> Chief Financial Officer	<u></u>	Date: <u>08/01/2022</u>
<input checked="" type="checkbox"/> Legal	<u></u>	Date: <u>8/2/2022</u>

**APPROVED FOR BOARD RESOLUTION:**

<input checked="" type="checkbox"/> Secretary to the Authority	<u></u>	Date: <u>8/2/22</u>
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**Remarks:** Unit price contract.

**Resolution Date:** \_\_\_\_\_ **Item No:** \_\_\_\_\_

**ERIE COUNTY WATER AUTHORITY**  
**RECOMMENDATION FOR AWARD OF CONTRACT**

Contract: CH-014 Project No.: 202100034  
 Project Description: Water System Improvements  
Town of Hamburg.

**CONTRACT AWARD**

Contractor/Supplier: E&R General Construction, Inc.  
 Award Amount: \$3,878,678.00

**BID SUMMARY:**

Date Advertised for Bids: <u>06/17/2022</u>	Date of Bid Opening <u>07/19/2022</u>
<b>Bidder</b>	<b>Total Bid Amount</b>
<u>E&amp;R General Construction, Inc.</u>	<u>\$3,878,678.00</u>
<u>DJM Contracting, Inc.</u>	<u>\$4,036,537.00</u>
_____	<u>\$0.00</u>
_____	<u>\$0.00</u>
_____	<u>\$0.00</u>
_____	<u>\$0.00</u>
_____	<u>\$0.00</u>
_____	<u>\$0.00</u>
_____	<u>\$0.00</u>
_____	<u>\$0.00</u>

Attachments:     Bid Tabulation                       Consultant's Recommendation

**APPROVALS (Select applicable)**

**WMBE APPROVAL**

No Waiver  
 Full Waiver  
 Partial Waiver

Affirmative Action Officer                                            Date 08/01/2022

**INSURANCE APPROVAL**

Claims Rep/Risk Manager                                            Date 08/01/2022

**NYS CERTIFIED APPRENTICESHIP PROGRAM APPROVAL**

Secretary to the Authority                                            Date 8/1/22

Remarks: Unit price contract.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



July 29, 2022

Mr. Michael Quinn, PE  
Erie County Water Authority  
3030 Union Road  
Cheektowaga, New York 14227

**RE:        BID RECOMMENDATION**  
**CH-014 – Water System Improvements – Town of Hamburg**  
**ECWA Project No. 202100034**  
**CHA Project No. 67188**

Dear Mr. Quinn:

CHA has reviewed the bids received on Tuesday, July 19, 2022 for the above referenced project. The results of the bids are as follows:

E&R General Construction, Inc.	\$ 3,878,678.00*
DJM Contracting, Inc.	\$ 4,036,537.00*

\* Corrected total due to mathematical errors.

The bid submitted by E&R General Construction, Inc (E&R) had submitted an incorrect total bid price of \$3,888,906.00. After a thorough review of the apparent low bid, errors such as words versus numbers were identified. In addition, the bid total was calculated incorrectly. The attached Bid Tabulation spreadsheets show the breakdown by item for each of the two bidders along with the engineer's estimate.

Our review of the E&R Bid Proposal found the total amount bid to be 44% below the engineer's estimate. A review of the bid tabulation indicates that all the bids received were within a competitive range of each other and therefore the bids can be considered reasonable and reflective of the current state of the marketplace for this type of construction.

It should be noted that CHA's estimate was higher than the bids received mainly due to the unit price of ductile iron pipe used in the engineer's estimate. Other unit prices were estimated higher to account for the uncertainty regarding the volatile climate of the construction market at the time of the bid.

Discussions were held between Angiolina Passucci of E&R and CHA. During these discussions the scope of work, schedule milestones and sequence of construction were covered in detail. Ms. Passucci conveyed that she is satisfied with her bid proposal, fully understands the scope of work

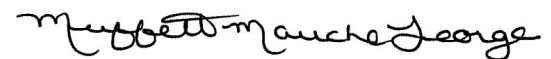
and included all the required work in her bid. CHA made E&R aware of the errors in the bid total that was submitted, and E&R recognizes and accepts the corrected total as noted above.

CHA also held discussions with Jim Ehrin of William Schutt & Associates, PC regarding past experience in working with E&R. Mr. Ehrin stated that E&R successfully completed a water and sewer project for the Town of Tonawanda in 2020. He stated that, in his opinion, E&R is capable of completing this project successfully.

CHA recommends that the Erie County Water Authority accept the proposal of the low bidder, E&R General Construction, Inc. at the bid price of \$3,878,678.00, subject to review and approval of your legal counsel.

Should you have any comments or questions, please contact me at (716) 221-4409 or [mmauche@chacompanies.com](mailto:mmauche@chacompanies.com).

Sincerely,



Muffett Mauche George, PE  
Senior Project Manager

**Erie County Water Authority**  
**Contract No. CH-014 - Water System Improvements**  
**Project No. 202100034**  
**Bid Tabulation**

ITEM NUMBER	DESCRIPTION	QUANTITY	UNIT OF MEASURE	ENGINEER'S ESTIMATE		DJM CONTRACTING 4336 Zenner Road Eden, NY 14057		E&R GENERAL CONSTRUCTION, INC. 38 St. David's Drive West Seneca, NY 14224	
				UNIT PRICE	COST	UNIT PRICE	COST	UNIT PRICE	COST
1A2	Furnish and Install 6-inch DIP	337.0	LF	\$ 150.00	\$50,550	\$ 30.00	\$10,110	\$ 60.00	\$20,220
1A3	Furnish and Install 8-inch DIP	12,592.0	LF	\$ 200.00	\$2,518,400	\$ 102.00	\$1,284,384	\$ 112.00	\$1,410,304
1A7	Furnish and Install 12-inch DIP	30.0	LF	\$ 300.00	\$9,000	\$ 91.00	\$2,730	\$ 115.00	\$3,450
2A2	Furnish and Install 8-inch Gate Valve	52.0	EA	\$ 3,200.00	\$166,400	\$ 6,900.00	\$358,800	\$ 1,900.00	\$98,800
2B1	Furnish and Install 12-inch Butterfly Valve	5.0	EA	\$ 8,000.00	\$40,000	\$ 7,590.00	\$37,950	\$ 2,900.00	\$14,500
2C1	Furnish and Install 2" Blow Off Valve	5.0	EA	\$ 5,000.00	\$25,000	\$ 3,820.00	\$19,100	\$ 3,700.00	\$18,500
2D	Furnish and Install PRVs in Vault	2.0	EA	\$ 100,000.00	\$200,000	\$ 62,000.00	\$124,000	\$ 78,000.00	\$156,000
3A	Furnish and Install New Fire Hydrant Assembly	20.0	EA	\$ 8,000.00	\$160,000	\$ 10,100.00	\$202,000	\$ 8,700.00	\$174,000
3C	Fire Hydrant Abandonment	15.0	EA	\$ 1,500.00	\$22,500	\$ 1,370.00	\$20,550	\$ 3,900.00	\$58,500
4A	Test Pit Excavation and Backfill	30.0	EA	\$ 1,800.00	\$54,000	\$ 275.00	\$8,250	\$ 200.00	\$6,000
5A	Rock Excavation	80.0	CY	\$ 250.00	\$20,000	\$ 225.00	\$18,000	\$ 200.00	\$16,000
6A	Select Backfill	10,185.0	CY	\$ 60.00	\$611,100	\$ 43.00	\$437,955	\$ 34.00	\$346,290
7A	Interconnection #1 (7th Street/Woodlawn Avenue)	1.0	EA	\$ 18,000.00	\$18,000	\$ 9,000.00	\$9,000	\$ 13,000.00	\$13,000
7B	Interconnection #2 (7th Street/Lake Shore Road)	1.0	EA	\$ 18,000.00	\$18,000	\$ 9,670.00	\$9,670	\$ 14,000.00	\$14,000
7C	Interconnection #3 (Oakwood Avenue/Powers Avenue)	1.0	EA	\$ 18,000.00	\$18,000	\$ 11,200.00	\$11,200	\$ 13,000.00	\$13,000
7D	Interconnection #4 (Oakwood Avenue/Glenwood Avenue)	1.0	EA	\$ 18,000.00	\$18,000	\$ 11,600.00	\$11,600	\$ 13,000.00	\$13,000
7E	Interconnection #5 (Southwestern Boulevard/Pleasant Avenue)	1.0	EA	\$ 18,000.00	\$18,000	\$ 10,600.00	\$10,600	\$ 14,000.00	\$14,000
7F	Interconnection #6 (Southwestern Boulevard/Brierwood)	1.0	EA	\$ 18,000.00	\$18,000	\$ 16,000.00	\$16,000	\$ 14,000.00	\$14,000
7G	Interconnection #7 (Southwestern Boulevard/Amsdell Road)	1.0	EA	\$ 18,000.00	\$18,000	\$ 16,500.00	\$16,500	\$ 18,000.00	\$18,000
7H	Interconnection #8 (Pleasant Avenue/West Pleasant Avenue)	1.0	EA	\$ 18,000.00	\$18,000	\$ 18,000.00	\$18,000	\$ 14,000.00	\$14,000
7I	Interconnection #9 (Pleasant Avenue/Amsdell Road)	1.0	EA	\$ 18,000.00	\$18,000	\$ 17,000.00	\$17,000	\$ 18,000.00	\$18,000
7J	Interconnection #10 (Buffalo Avenue/State Street)	1.0	EA	\$ 18,000.00	\$18,000	\$ 14,000.00	\$14,000	\$ 13,000.00	\$13,000
7K	Interconnection #11 (Buffalo Avenue/Jarvis Street)	1.0	EA	\$ 18,000.00	\$18,000	\$ 15,000.00	\$15,000	\$ 13,000.00	\$13,000
7L	Interconnection #12 (Buffalo Avenue/Bond Street)	1.0	EA	\$ 18,000.00	\$18,000	\$ 15,000.00	\$15,000	\$ 13,000.00	\$13,000
7M	Interconnection #13 (Buffalo Avenue/Dean Street)	1.0	EA	\$ 18,000.00	\$18,000	\$ 15,000.00	\$15,000	\$ 13,000.00	\$13,000
7N	Interconnection #14 (Buffalo Avenue/Allen Street)	1.0	EA	\$ 18,000.00	\$18,000	\$ 15,000.00	\$15,000	\$ 13,000.00	\$13,000
7O	Interconnection #15 (Buffalo Avenue/Bristol Street)	1.0	EA	\$ 18,000.00	\$18,000	\$ 16,250.00	\$16,250	\$ 13,000.00	\$13,000
7P	Interconnection #16 (Big Tree Road/Sta. 10+00)	1.0	EA	\$ 18,000.00	\$18,000	\$ 12,000.00	\$12,000	\$ 13,000.00	\$13,000
7Q	Interconnection #17 (Big Tree Road/West Avenue)	1.0	EA	\$ 18,000.00	\$18,000	\$ 16,000.00	\$16,000	\$ 13,000.00	\$13,000
7R	Interconnection #18 (Big Tree Road/Towers Place)	1.0	EA	\$ 18,000.00	\$18,000	\$ 17,500.00	\$17,500	\$ 13,000.00	\$13,000
7S	Interconnection #19 (Big Tree Road/Jarvis Street)	1.0	EA	\$ 18,000.00	\$18,000	\$ 17,500.00	\$17,500	\$ 13,000.00	\$13,000
7T	Interconnection #20 (Big Tree Road/Dean Street)	1.0	EA	\$ 18,000.00	\$18,000	\$ 16,000.00	\$16,000	\$ 13,000.00	\$13,000
7U	Interconnection #21 (Big Tree Road/Misty Meadow Lane)	1.0	EA	\$ 18,000.00	\$18,000	\$ 17,000.00	\$17,000	\$ 13,000.00	\$13,000
7V	Interconnection #22 (Big Tree Road/Bristol Street)	1.0	EA	\$ 18,000.00	\$18,000	\$ 16,000.00	\$16,000	\$ 13,000.00	\$13,000
8A1	Service Replacement (3/4" - 1")	166.0	EA	\$ 5,000.00	\$830,000	\$ 2,250.00	\$373,500	\$ 3,500.00	\$581,000
8A2	Service Replacement (1-1/2" and Larger)	6.0	EA	\$ 7,000.00	\$42,000	\$ 4,300.00	\$25,800	\$ 3,900.00	\$23,400
8C1	Furnish and Install 3/4" - 1" Additional Copper Tubing	2,720.0	LF	\$ 65.00	\$176,800	\$ 6.50	\$17,680	\$ 1.00	\$2,720
8C2	Furnish and Install 1-1/2" and Larger Additional Copper Tubing	205.0	LF	\$ 75.00	\$15,375	\$ 17.00	\$3,485	\$ 1.00	\$205
9A	Furnish and Install 18-inch Diameter Casing Pipe via Jack and Bore	105.0	LF	\$ 1,000	\$105,000	\$ 208	\$21,840	\$ 400	\$42,000
10A	Abandonment #1 (Southwestern Boulevard/Pleasant Avenue)	1.0	EA	\$ 18,000.00	\$18,000	\$ 12,000.00	\$12,000	\$ 7,400.00	\$7,400
10B	Abandonment #2 (Southwestern Boulevard/Sta. 35+50)	1.0	EA	\$ 5,000.00	\$5,000	\$ 10,000.00	\$10,000	\$ 7,400.00	\$7,400
10C	Abandonment #3 (Bay View Road/South Park Avenue)	1.0	EA	\$ 5,000.00	\$5,000	\$ 9,000.00	\$9,000	\$ 2,400.00	\$2,400
10D	Abandonment #4 (Howard Road/South Park Avenue)	1.0	EA	\$ 5,000.00	\$5,000	\$ 9,000.00	\$9,000	\$ 2,400.00	\$2,400
10E	Abandonment #5 (Big Tree Road and Station 10+00)	1.0	EA	\$ 10,000.00	\$10,000	\$ 9,500.00	\$9,500	\$ 7,400.00	\$7,400
11A1	Furnish and Install Concrete Sidewalk	25.0	SY	\$ 100.00	\$2,500	\$ 50.00	\$1,250	\$ 65.00	\$1,625
11A2	Furnish and Install Concrete Driveway	10.0	SY	\$ 110.00	\$1,100	\$ 75.00	\$750	\$ 78.00	\$780
11B2	Furnish and Install Asphalt Driveway	160.0	SY	\$ 85.00	\$13,600	\$ 75.00	\$12,000	\$ 80.00	\$12,800
11B3	Furnish and Install Asphalt Pavement - Top Course (1-1/2" depth)	5,650.0	SY	\$ 28.00	\$158,200	\$ 19.50	\$110,175	\$ 14.00	\$79,100
11B4	Furnish and Install Asphalt Pavement - Binder Course (2" depth)	5,650.0	SY	\$ 38.00	\$214,700	\$ 21.00	\$118,650	\$ 13.00	\$73,450
11B5	Furnish and Install Asphalt Pavement - Base Course (4-1/2" depth)	5,650.0	SY	\$ 45.00	\$254,250	\$ 25.00	\$141,250	\$ 21.00	\$118,650
11B6	Cold Milling of Asphalt (1-1/2" depth)	4,865.0	SY	\$ 87.25	\$424,471	\$ 16.00	\$77,840	\$ 17.00	\$82,705
11C1	Landscape Restoration-Lawn	6,118.0	LF	\$ 6.00	\$36,708	\$ 7.25	\$44,356	\$ 3.00	\$18,354
11C2	Tree Planting	3.0	EA	\$ 2,875.00	\$8,625	\$ 400.00	\$1,200	\$ 200.00	\$600
11C3	Removal of Trees	3.0	EA	\$ 1,725.00	\$5,175	\$ 100.00	\$300	\$ 400.00	\$1,200
12A	Testing and Disinfection	12,875.0	LF	\$ 3.50	\$45,063	\$ 3.50	\$45,063	\$ 3.00	\$38,625
13A	Extra Excavation (8 to 10 feet deep)	125.0	LF	\$ 35.00	\$4,375	\$ 10.00	\$1,250	\$ 12.00	\$1,500
13C	Furnish and Install Extra Concrete	120.0	CY	\$ 150.00	\$18,000	\$ 100.00	\$12,000	\$ 100.00	\$12,000
14A	Repair Crew Labor and Equipment	120.0	HR	\$ 500.00	\$60,000	\$ 150.00	\$18,000	\$ 190.00	\$22,800
15A	Vacuum Truck and Labor	120.0	HR	\$ 500.00	\$60,000	\$ 125.00	\$15,000	\$ 130.00	\$15,600
16A	Contingency Allowance	1.0	LS	\$ 100,000.00	\$100,000	\$ 100,000.00	\$100,000	\$ 100,000.00	\$100,000
	<b>Totals</b>				<b>\$6,891,892</b>		<b>\$4,036,537</b>		<b>\$3,878,678</b>

NOTES:      = adjusted bid amount based on mathematical errors in bid