



ERIE COUNTY WATER AUTHORITY

INTEROFFICE MEMORANDUM

May 15, 2023

To: Terrence D. McCracken, Secretary to the Authority

From: Michael J. Quinn, Senior Distribution Engineer

A handwritten signature in dark ink, appearing to read "MJQ", is written over the name "Michael J. Quinn".

Subject: Sheridan Drive Water System Improvements,
Town of Amherst
ECWA Project No. 202200206

On Tuesday, April 4, 2023, the Authority received one (1) bid for the above referenced contract. The Engineering Department has reviewed the bid, a mathematical check has been performed, and the apparent lowest responsible bidder is Concrete Applied Technologies Corp. d/b/a CATCO. This project is being completed in coordination with the New York State Department of Transportation (NYSDOT) Pavement Resurfacing Project of Sheridan Drive from Niagara Falls Boulevard to Harlem Road. It should be noted that CATCO is the contractor for the NYSDOT project.

CATCO is an established contractor with the Authority and has performed work in a competent and acceptable manner on a number of different contracts. They have a good understanding of the scope and requirements for this contract. The Engineer's estimate for the contract was \$5,624,895.00 and the bid by CATCO is \$6,915,131.50. While this bid is above the engineer's estimate, there are several factors associated with this project that are not typical of the standard distribution system replacement project and as such the Engineering Department did not have historical pricing for. Some of these factors are as follows:

- An extremely aggressive schedule predicated by the associated roadway resurfacing project being completed by NYSDOT.
- The NYSDOT required that a majority of the work be completed at night to limit traffic disruptions on this heavily traveled section of Sheridan Drive. Working at night requires additional safety measures and premium labor rates.
- Due to the traffic volume along Sheridan Drive, significant temporary trench restoration would be required at the end of each workday.
- Requirements to install and remove traffic control devices/detours each workday.

While only one bid was received for this project, we find this bid to be reasonable given the above factors as well as the current construction market, contractor availability and material availability and pricing. The specifications were clear, adequate competition was solicited, and it was assumed that more than one bid would be submitted.

CATCO has provided adequate WMBE documentation, approved by Director of EEO (ECWA), insurance, approved by Claims Representative/Risk Manager, and proof of apprenticeship program, approved by the Secretary to the Authority.

We, therefore, recommend award of Contract to CATCO in the amount of \$6,915,131.50.

To: Terrence D. McCracken
Secretary to the Authority

- 2 -

May 15, 2023

Budget Information (2023 Budget- Engineering Services and Construction):

The 2023 Capital Budget included funding of this project in an amount of \$1,209,600 in Unit 2590, Budget Item 101704. The balance of the funding will be obtained from budget transfers requested in a separate item during the May 25, 2023 Board meeting as follows:

- \$3,000,000 from Contract W-030
- \$3,000,000 from Contract MP-090

As outlined in the budget transfer memo for that item, funds are available due to ongoing delays in both projects which we anticipated to be in construction in 2023 but will not start until 2024.

Note that the original 2023 budgeted amount for the contract was developed to fund a smaller scope of work which was intended to replace a short section of transmission main along the corridor. This project was intended to improve hydraulics and water quality in the area. Subsequent to the approval of the 2023 budget, the ECWA was made aware of a NYSDOT funded road reconstruction project which afforded the ECWA the opportunity to consider a larger project with final restoration being completed by the NYSDOT.

Regarding the final scope of the project, the limits of the NYSDOT project allowed the Engineering and Line Maintenance Departments to further review the pipe condition in the area which led to the decision to replace a significantly larger quantity of problematic main. The condition of the main is not the only factor that drives the importance of this project, it is also the impact that main breaks have on traffic and the businesses along this corridor. Traffic control during main breaks is extremely problematic due to the congestion on Sheridan Drive and businesses are negatively impacted due to outages. The increased scope of work will allow for additional valving to be installed to increase operational flexibility for several medical facilities including the Dent Tower, Buffalo Surgery Center, and Excelsior Orthopedics. Finally, the additional main relocation will eliminate an existing conflict with a large, high-pressure gas main.

Attached please find the following documents:

1. ECWA Authorization Form.
2. ECWA Recommendation for Award of Contract form.
3. Bid Tabulation.

MJQ:lal1

Attachments

cc: R.Stoll

L.Kowalski

W.Wheeler

M.Jarmuz

L.Lester

AMTN-807-2203-X-12

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

Contract: _____ **Project No.:** 202200206
Project Description: Sheridan Drive Water System Improvements, Town of Amherst

Item Description:



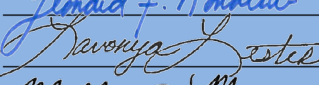




- | | | | |
|--|--|---|---------------------------------------|
| <input type="checkbox"/> Agreement | <input type="checkbox"/> Professional Service Contract | <input type="checkbox"/> Amendment | <input type="checkbox"/> Change Order |
| <input type="checkbox"/> BCD | <input type="checkbox"/> NYSDOT Agreement | <input type="checkbox"/> Contract Documents | <input type="checkbox"/> Addendum |
| <input checked="" type="checkbox"/> Recommendation for Award of Contract | <input type="checkbox"/> Recommendation to Reject Bids | | |
| <input type="checkbox"/> Request for Proposals | | | |
| <input type="checkbox"/> Other _____ | | | |

Action Requested:


- | | |
|---|--|
| <input type="checkbox"/> Board Authorization to Execute | <input checked="" type="checkbox"/> Legal Approval |
| <input checked="" type="checkbox"/> Board Authorization to Award | <input type="checkbox"/> Execution by the Chairman |
| <input type="checkbox"/> Board Authorization to Advertise for Bids | <input type="checkbox"/> Execution by the Secretary to the Authority |
| <input type="checkbox"/> Board Authorization to Solicit Request for Proposals | |
| <input type="checkbox"/> Other _____ | |

Approvals Needed:

APPROVED AS TO CONTENT:

<input checked="" type="checkbox"/> Sr. Distribution Engineer		Date: 5/15/2023
<input checked="" type="checkbox"/> Chief Operating Officer		Date: 5/15/2023
<input checked="" type="checkbox"/> Executive Engineer		Date: 05/15/2023
<input checked="" type="checkbox"/> Director of Administration		Date: 05/15/2023
<input checked="" type="checkbox"/> Risk Manager		Date: 5/15/2023
<input checked="" type="checkbox"/> Chief Financial Officer		Date: 05/15/2023
<input checked="" type="checkbox"/> Legal		Date: 5/15/2023

APPROVED FOR BOARD RESOLUTION:

<input checked="" type="checkbox"/> Secretary to the Authority		Date: 5/15/2023
--	---	-----------------

Remarks: Unit price contract

Resolution Date: _____

Item No: _____

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

Contract: _____ Project No.: 202200206
Project Description: Sheridan Drive Water System Improvements, Town of Amherst

CONTRACT AWARD

Contractor/Supplier: Concrete Applied Technologies Corp. d/b/a CATCO
Award Amount: \$6,915,131.50

BID SUMMARY:

Bidder	Total Bid Amount
<u>Concrete Applied Technologies Corp. d/b/a CATCO</u>	<u>\$6,915,131.50</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

☒ EEO Compliance Officer  Date 04/26/2023

INSURANCE APPROVAL

☒ Claims Rep/Risk Manager  Date 4/28/2023

NYS CERTIFIED APPRENTICESHIP PROGRAM APPROVAL

☒ Secretary to the Authority  Date 4/28/23

Remarks: Unit price contract
Good faith effort was made to solicit additional MWBE suppliers. Approved partial waiver. L.Lester

Erie County Water Authority							
Sheridan Drive Water System Improvements, Town of Amherst							
Project No. 202200206							
Bid Tabulation							
				Engineer's Estimate		CATCO 1266 Townline Road Alden, NY 14004	
ITEM NUMBER	DESCRIPTION	QUANTITY	UNIT OF MEASURE	UNIT PRICE	COST	UNIT PRICE	COST
1B00	Furnish and Install 4-inch PVC	85.0	LF	\$ 75.00	\$ 6,375.00	\$ 422.00	\$ 35,870.00
1B0	Furnish and Install 6-inch PVC	810.0	LF	\$ 100.00	\$ 81,000.00	\$ 276.00	\$ 223,560.00
1B1	Furnish and Install 8-inch PVC	2,525.0	LF	\$ 160.00	\$ 404,000.00	\$ 298.00	\$ 752,450.00
1B3	Furnish and Install 12-inch PVC	1,695.0	LF	\$ 220.00	\$ 372,900.00	\$ 336.00	\$ 569,520.00
1B4	Furnish and Install 16-inch PVC	4,940.0	LF	\$ 300.00	\$ 1,482,000.00	\$ 415.00	\$ 2,050,100.00
2A0	Furnish and Install 4-inch Gate Valve	3.0	EA	\$ 1,750.00	\$ 5,250.00	\$ 2,100.00	\$ 6,300.00
2A1	Furnish and Install 6-inch Gate Valve	13.0	EA	\$ 2,500.00	\$ 32,500.00	\$ 2,400.00	\$ 31,200.00
2A2	Furnish and Install 8-inch Gate Valve	14.0	EA	\$ 3,500.00	\$ 49,000.00	\$ 3,200.00	\$ 44,800.00
2B1	Furnish and Install 12-inch Butterfly Valve	15.0	EA	\$ 4,500.00	\$ 67,500.00	\$ 3,250.00	\$ 48,750.00
2B2	Furnish and Install 16-inch Butterfly Valve	22.0	EA	\$ 10,000.00	\$ 220,000.00	\$ 5,250.00	\$ 115,500.00
2C1	Furnish and Install 30-inch x 8-inch Tapping Sleeve and Valve	1.0	EA	\$ 40,000.00	\$ 40,000.00	\$ 21,300.00	\$ 21,300.00
2C2	Furnish and Install 30-inch x 16-inch Tapping Sleeve and Valve	1.0	EA	\$ 45,000.00	\$ 45,000.00	\$ 53,000.00	\$ 53,000.00
3A	Furnish and Install New Fire Hydrant Assembly	19.0	EA	\$ 8,000.00	\$ 152,000.00	\$ 9,000.00	\$ 171,000.00
3C	Fire Hydrant Abandonment	14.0	EA	\$ 1,500.00	\$ 21,000.00	\$ 400.00	\$ 5,600.00
4A	Test Pit Excavation and Backfill	75.0	EA	\$ 500.00	\$ 37,500.00	\$ 500.00	\$ 37,500.00
5A	Rock Excavation	75.0	CY	\$ 200.00	\$ 15,000.00	\$ 300.00	\$ 22,500.00
6A	Furnish and Install Select Backfill	6,500.0	CY	\$ 45.00	\$ 292,500.00	\$ 68.00	\$ 442,000.00
7A	Interconnection No. 1 (Niagara Falls Boulevard)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 13,200.00	\$ 13,200.00
7B	Interconnection No. 2 (Sta. B6+30)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 11,000.00	\$ 11,000.00
7C	Interconnection No. 3 (Sta. A4+28)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 11,000.00	\$ 11,000.00
7D	Interconnection No. 4 (Sta. B0+00)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 11,000.00	\$ 11,000.00
7E	Interconnection No. 5 (Sta. C0+00)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,500.00	\$ 10,500.00
7F	Interconnection No. 6 (Sta. C2+85)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00
7G	Interconnection No. 7 (Sta. B3+75)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00
7H	Interconnection No. 8 (Sta. D0+00)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 12,000.00	\$ 12,000.00
7I	Interconnection No. 9 (Sta. D0+27)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 11,500.00	\$ 11,500.00
7J	Interconnection No. 10 (Sta. D1+13)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00
7K	Interconnection No. 11 (Sta. D2+55)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 12,000.00	\$ 12,000.00
7L	Interconnection No. 12 (Sta. D6+65)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 12,000.00	\$ 12,000.00
7M	Interconnection No. 13 (E5+80)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 13,000.00	\$ 13,000.00
7N	Interconnection No. 14 (E0+00)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00
7O	Interconnection No. 15 (F0+00)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 12,000.00	\$ 12,000.00
7P	Interconnection No. 16 (G4+05)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 12,000.00	\$ 12,000.00
7Q	Interconnection No. 17 (G0+00)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00
7R	Interconnection No. 18 (F7+55)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 7,000.00	\$ 7,000.00
7S	Interconnection No. 19 (F14+18)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 7,000.00	\$ 7,000.00
7T	Interconnection No. 20 (H0+00)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00
7U	Interconnection No. 21 (H2+15)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 9,000.00	\$ 9,000.00
7V	Interconnection No. 22 (F28+51)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00
7W	Interconnection No. 23 (F29+10)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00
7X	Interconnection No. 24 (F31+36)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 9,000.00	\$ 9,000.00
7Y	Interconnection No. 25 (F32+90)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00
7Z	Interconnection No. 26 (F33+50)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00
7AA	Interconnection No. 27 (I0+00)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00
7AB	Interconnection No. 28 (J0+00)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 11,000.00	\$ 11,000.00
7AC	Interconnection No. 29 (F39+42)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 12,000.00	\$ 12,000.00
7AD	Interconnection No. 30 (F48+88)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00
7AE	Interconnection No. 31 (K0+00)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 12,000.00	\$ 12,000.00
7AF	Interconnection No. 32 (K0+20)	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 9,000.00	\$ 9,000.00
8A1	Service Replacement/Installation 3/4-inch to 1-inch	20.0	EA	\$ 3,000.00	\$ 60,000.00	\$ 5,500.00	\$ 110,000.00
8A2	Service Replacement/Installation 1 1/2-inch and Larger	14.0	EA	\$ 3,500.00	\$ 49,000.00	\$ 8,400.00	\$ 117,600.00
8B1	Furnish and Install 3/4-inch to 1-inch Additional Copper Tubing	800.0	LF	\$ 12.00	\$ 9,600.00	\$ 9.00	\$ 7,200.00
8B2	Furnish and Install 1 1/2-inch and Larger Additional Copper Tubing	700.0	LF	\$ 20.00	\$ 14,000.00	\$ 35.00	\$ 24,500.00
9A	Furnish and Install 18-inch Diameter Casing Pipe	40.0	LF	\$ 500.00	\$ 20,000.00	\$ 1,500.00	\$ 60,000.00
9C	Furnish and Install 24-inch Diameter Casing Pipe	220.0	LF	\$ 600.00	\$ 132,000.00	\$ 1,200.00	\$ 264,000.00
9D	Furnish and Install 30-inch Diameter Casing Pipe	25.0	LF	\$ 750.00	\$ 18,750.00	\$ 4,000.00	\$ 100,000.00
10A	Abandonment No. 1 (N. Bailey Avenue)	1.0	LS	\$ 20,000.00	\$ 20,000.00	\$ 13,000.00	\$ 13,000.00
10B	Abandonment No. 2 (Augusta Avenue)	1.0	LS	\$ 16,000.00	\$ 16,000.00	\$ 15,000.00	\$ 15,000.00
10C	Abandonment No. 3 (Millersport Highway)	1.0	LS	\$ 16,000.00	\$ 16,000.00	\$ 6,000.00	\$ 6,000.00
10D	Abandonment No. 4 (3740 Sheridan)	1.0	LS	\$ 15,000.00	\$ 15,000.00	\$ 3,000.00	\$ 3,000.00
10E	Abandonment No. 5 (3990 Sherdian)	1.0	LS	\$ 15,000.00	\$ 15,000.00	\$ 10,500.00	\$ 10,500.00
11A1	Furnish and Install Concrete Sidewalk	300.0	SY	\$ 150.00	\$ 45,000.00	\$ 110.00	\$ 33,000.00
11A2	Furnish and Install Concrete Driveway	70.0	SY	\$ 175.00	\$ 12,250.00	\$ 140.00	\$ 9,800.00
11A3	Furnish and Install Concrete Base Course (8" depth)	2,800.0	SY	\$ 150.00	\$ 420,000.00	\$ 110.00	\$ 308,000.00
11A4	Furnish and Install Concrete Curb/Gutter	275.0	LF	\$ 125.00	\$ 34,375.00	\$ 85.00	\$ 23,375.00
11B2	Furnish and Install Asphalt Driveway/Parking Lot	340.0	SY	\$ 50.00	\$ 17,000.00	\$ 67.00	\$ 22,780.00
11B3	Furnish and Install Asphalt Pavement - Top Course (1.5" depth)	690.0	SY	\$ 20.00	\$ 13,800.00	\$ 32.00	\$ 22,080.00
11B4A	Furnish and Install Asphalt Pavement - Binder Course (2.5" depth)	435.0	SY	\$ 20.00	\$ 8,700.00	\$ 45.00	\$ 19,575.00
11B4B	Furnish and Install Asphalt Pavement - Binder Course (4" depth)	4,315.0	SY	\$ 25.00	\$ 107,875.00	\$ 43.00	\$ 185,545.00
11B5	Furnish and Install Asphalt Pavement - Base Course (5.5" depth)	435.0	SY	\$ 30.00	\$ 13,050.00	\$ 113.00	\$ 49,155.00
11B6	Cold Milling and Placement of Asphalt Pavement (1.5" depth)	3,300.0	SY	\$ 30.00	\$ 99,000.00	\$ 30.00	\$ 99,000.00
11C1	Landscape Restoration-Lawn	550.0	LF	\$ 10.00	\$ 5,500.00	\$ 26.00	\$ 14,300.00
12A	Testing and Disinfection	10,055.0	LF	\$ 4.00	\$ 40,220.00	\$ 3.30	\$ 33,181.50
13A	Extra Excavation (8 to 10 feet deep)	150.0	LF	\$ 15.00	\$ 2,250.00	\$ 12.00	\$ 1,800.00
13B	Extra Excavation (10 to 12 feet deep)	80.0	LF	\$ 25.00	\$ 2,000.00	\$ 23.00	\$ 1,840.00
13C	Furnish and Install Extra Concrete	50.0	CY	\$ 100.00	\$ 5,000.00	\$ 635.00	\$ 31,750.00
13D	Furnish and Install Flowable Fill	50.0	CY	\$ 200.00	\$ 10,000.00	\$ 422.00	\$ 21,100.00
14A	Repair Crew Labor and Equipment	120.0	HR	\$ 500.00	\$ 60,000.00	\$ 830.00	\$ 99,600.00
15A	Vacuum Truck and Labor	100.0	HR	\$ 200.00	\$ 20,000.00	\$ 403.00	\$ 40,300.00
16A	Contingency Allowance	1.0	LS	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00
	Totals				\$ 5,624,895.00		\$ 6,915,131.50