



ERIE COUNTY WATER AUTHORITY
INTEROFFICE MEMORANDUM

August 3, 2023

To: Terrence D. McCracken, Secretary to the Authority

From: Michael Wymer, Senior Production Engineer *MWW*

Subject: Contract HS-002 Corrosion Control Treatment Program – Pipe Loop Equipment
Change Order No. 1: Automated Valve, Pressure Transmitter, and Programming
ECWA Project No. 202100152

Attached is Change Order No. 1 pertaining to the above referenced contract, signed by the consultant, Hazen and Sawyer.

This change order includes the installation of an automated 2-inch valve and a pressure transducer to the Pipe Loop apparatus to protect the integrity of the scale material within the eighteen individual harvested pipe loop segments from the detrimental effects of an unexpected change in inlet water supply conditions.

The addition of the automated valve will protect the lead segments from damage from a sudden increase in flowrate associated with a leak/pipe break within the pipe loop apparatus. The new valve will close automatically upon receipt of a high flow signal from the existing flow meters (i.e., a high flow through one or more of the lead pipe segments would dislodge lead particles and result in inaccurate data).

Also, the automated valve will protect the connectors for lead segments from an uncontrolled increase in inlet supply pressure and/or a malfunction of the inlet pressure reducing valve as measured by the new pressure transducer (i.e., a high pressure may cause failure of one or more of the individual harvested lead pipe connectors).

The cost increase for the addition of the valve, pressure transducer and programming is \$4,244.00. The total cost for the Pipe Loop Equipment under Contract HS-002 will increase from \$422,939.00 to \$427,183.00.

The contract time is not affected by this change order.

Budget Information:

Unit: 1030 Water Quality

2023 Capital Budget Item No.: 101459 Optimal Corrosion Control Treatment Program

MWW:mww

Attachments

cc: L. Kowalski
CONT-HS-002

CHANGE ORDER NO. 1

Erie County Water Authority
350 Ellicott Square Building, 295 Main Street
Buffalo, New York 14203

Contract No.: HS-002 **Project No.:** 202100152 **Date:** August 3, 2023

Project: Corrosion Control Treatment Program – Pipe Loop Equipment

Contractor: Intuitech, Inc.
2490 South 900 West
Salt Lake City, UT 84119

Engineer: Hazen and Sawyer
498 Seventh Avenue, 11th Floor
New York, NY 10018

I. DESCRIPTION OF CHANGE

1. Addition of 2-inch diameter, automated valve to the inlet water supply to the pipe loop apparatus.
2. Addition of a pressure transducer to the inlet water supply to the pipe loop apparatus, downstream of the existing pressure reducing valve.
3. Programming and associated control panel modifications to incorporate the new valve and pressure transducer into the control scheme.

II. REASON FOR CHANGE

1. The addition of the automated valve will protect the integrity of the scale material formed within the eighteen harvest lead pipe segments from damage as a result of :
 - a. A sudden increase in flowrate from a leak/pipe break within the pipe loop apparatus. The new valve will close automatically upon receipt of a high flow signal from the existing flow meters (i.e., a high flow through one or more of the lead pipe segments would dislodge lead particles and result in inaccurate data).
 - b. An uncontrolled increase in the supply pressure to the lead pipe segments (as measured by the new pressure transducer), either through a sudden increase in the supply pressure (from the WTP) or a malfunction of the inlet pressure reducing valve (i.e., a high pressure may cause failure of one or more of the individual harvested lead pipe connectors).

III. ATTACHMENTS

1. Cost proposal.

IV. COMPENSATION

1. Lump Sum Addition: \$ 4,244.00

Net Change: \$ 4,244.00

V. SUMMARY

CHANGE IN CONTRACT PRICE:

Original Contract Price:

\$ 422,939.00

Net Change from previously approved Change Orders:

\$ 0.00

Contract Price prior to this Change Order:

\$ 422,939.00

CHANGE IN CONTRACT TIMES:

Original Contract Time

Final Completion: August 10, 2025

Net Change from previously approved Change Orders:

Final Completion: August 10, 2025

Contract Times prior to this Change Order:

Final Completion: August 10, 2025

CHANGE IN CONTRACT PRICE:

Net Increase of this Change Order:

\$ 4,244.00

Contract Price incorporating this Change Order:

\$ 427,183.00

CHANGE IN CONTRACT TIMES:

Net increase of this Change Order:

Final Completion: August 10, 2025

Contract Times with all approved Change Orders:

Final Completion: August 10, 2025

VI. APPROVALS

OWNER:

By: _____
Erie County Water Authority


Date: _____

CONTRACTOR:

By: _____
Intuitech, Inc.

Date: _____

ENGINEER:

By:  _____
Hazen and Sawyer

Date: 8/3/2023

Proposal



Mike Wymer
Erie County Water Authority
3750 River Road
Tonawanda, NY 14150

July 27, 2023

Subject: **Proposal for Automated Inlet Isolation Valve & Pressure Transmitter**

Mike,

I am pleased to provide a proposal for

Description	Cost
Automated Inlet Valve & Cable	\$2,281.37
Inlet Pressure Transmitter & Cable	\$208.34
Engineering / Programming	\$1,754.29
Total	\$4,244.00

An Intuitech representative will bring all parts and install when on-site as part of base contract for next site visit. Thank you for considering Intuitech.

Best Regards,

Andrew Buchanan
Intuitech, Inc.
Phone 801-487-9255 ex18
Email abuchanan@intuitech.com

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

Contract: HS-002 **Project No.:** 202100152
Project Description: Corrosion Control Treatment Program – Pipe Loop Equipment (Intuitech)

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 Production Engineer	<u><i>Richard W. [Signature]</i></u>	Date: <u>8/3/2023</u>
<input type="checkbox"/> Chief Operating Officer	_____	Date: _____
<input checked="" type="checkbox"/> Executive Engineer	<u><i>Leonard F. Koralicki</i></u>	Date: <u>08/07/2023</u>
<input checked="" type="checkbox"/> Director of Administration	<u><i>Devonija [Signature]</i></u>	Date: <u>08/03/2023</u>
<input checked="" type="checkbox"/> Risk Manager	<u><i>Molly Op Musarra</i></u>	Date: <u>8/4/2023</u>
<input checked="" type="checkbox"/> Chief Financial Officer	<u><i>Oppe [Signature]</i></u>	Date: <u>08/03/2023</u>
<input checked="" type="checkbox"/> Legal	<u><i>[Signature]</i></u>	Date: <u>8/4/2023</u>

APPROVED FOR BOARD RESOLUTION:

<input checked="" type="checkbox"/> Secretary to the Authority	<u><i>[Signature]</i></u>	Date: <u>8/7/2023</u>
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Remarks: Change Order No. 1

Resolution Date: _____ **Item No:** _____