

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

Contract: MM-001 **Project No.:** 201900289
Project Description: Ball Pump Station Bypass Piping

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"/> Other (if Applicable)	<u><i>[Signature]</i></u>	Date: <u>4/20/20</u>
<input checked="" type="checkbox"/> Chief Operating Officer	<u><i>[Signature]</i></u>	Date: <u>4/20/2020</u>
<input checked="" type="checkbox"/> Executive Engineer	<u><i>[Signature]</i></u>	Date: <u>4-21-2020</u>
<input checked="" type="checkbox"/> Director of Administration	<u><i>[Signature]</i></u>	Date: <u>4.21.2020</u>
<input checked="" type="checkbox"/> Risk Manager	<u><i>[Signature]</i></u>	Date: <u>4/20/2020</u>
<input checked="" type="checkbox"/> Chief Financial Officer	<u><i>[Signature]</i></u>	Date: <u>04/20/2020</u>
<input checked="" type="checkbox"/> Legal	<u><i>[Signature]</i></u>	Date: <u>04/21/2020</u>

APPROVED FOR BOARD RESOLUTION:

<input checked="" type="checkbox"/> Secretary to the Authority	<u><i>[Signature]</i></u>	Date: <u>04/22/2020</u>
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Remarks: Professional Services Contract Amendment #1


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



ERIE COUNTY WATER AUTHORITY
INTEROFFICE MEMORANDUM

April 20, 2020

To: Terrence D. McCracken, Secretary to the Authority

From: Michael J. Quinn, PE, Senior Distribution Engineer 

Subject: Contract MM-01 Amendment #1
Geotechnical Services
Ball Pumping Station
ECWA Project No. 201900289

Attached are the following documents:

1. ECWA Authorization Form for processing Professional Service Contract Amendment #1 with McMahan & Mann Consulting Engineering and Geology, PC.
2. Three original copies of Professional Service Contract Amendment #1 for the above referenced project.

The Amendment is to increase the Payment for Services for the above referenced project.

Geotechnical Engineering services are required for the emergency bypass piping work that is being performed at Ball Pump Station. Due to the settlement issues that have occurred at the site over the years, it is critical that these services are used during the installation of the bypass piping. The professional services were originally procured under the Declaration of State of Emergency issued on 12/18/2019, the Professional Service Agreement was authorized by the Board on January 16, 2020.

The scope of work included subsurface explorations, design recommendations and construction phase services. The original dollar value for the contract needs to be increased based on the continuation of construction phase services.

Due to the existing soil conditions at the site, a Geotechnical Engineer must inspect the conditions of the trenches daily accounting for the condition of the subbase and making field decisions as to the competency of the underlying rock. These inspections ensure and verify the quality of the underlying rock in an attempt to prevent the reoccurrence of the settlement which led to this emergency situation. The complexity of construction and the need for additional guidance will increase the effort and duration for construction phase services.

The increased amount reflects the actual construction schedule and site conditions encountered during construction. The following table provides the original contract cost, proposed amendment cost and total contract cost.

To: Terrence D. McCracken
Secretary to the Authority

April 20, 2020

	Original Contract	Amendment No.1	Original Contract + All Amendments
Cost for services provided under Tasks 1 - 4	\$30,000.00	\$0.00	\$30,000.00
Special Services	\$15,000.00	\$0.00	\$15,000.00
Task 5 – Additional Construction Phase Services	\$0.00	\$37,000.00	\$37,000.00
Totals	\$45,000.00	\$37,000.00	\$82,000.00

The cost for the contractor to perform the work associated with this project is estimated at \$1,500,000.00.

MJQ:jmf
Attachments
cc: R.Stoll
L.Kowalski
L.Lester
AMTN-048-1901



Donald R. McMahon, P.E., F. ASCE
Michael J. Mann, P.E.
Kenneth L. Fishman, Ph.D., P.E.
Shawn W. Logan, P.E.
Andrew J. Nichols, P.E.
Todd Swackhamer, P.E.
James J. Janora, P.G.
Susanne J.M. George, P.E.
Andrew J. Klettke, P.E.
Kaitlyn M. Murray, P.E.

April 20, 2020
File: 20-001
Sent Via E-mail

Mr. Leonard F. Kowalski, PE
Executive Engineer
Erie County Water Authority
3030 Union Road
Cheektowaga, New York 14227

RE: Contract Addendum for Geotechnical Engineering Services,
Richard F. Ball Pump Station Bypass Piping
Amherst, New York

Dear Mr. Kowalski:

McMahon & Mann Consulting Engineering and Geology, P.C. (McMahon & Mann) has prepared this contract addendum to the Erie County Water Authority (ECWA) to continue to provide geotechnical engineering services for installation of bypass piping at the Richard F. Ball Pumping Station in Amherst, New York. A scope of services and an estimated budget are included herein.

BACKGROUND

Settlement of pipelines at the Ball Pumping Station prompted the ECWA to install bypass piping beginning in January 2020. The ECWA retained McMahon & Mann to explore the causes of the pipe settlement and to provide recommendations for the replacement pipe installation. To date McMahon & Mann has:

- Reviewed previously completed subsurface exploration programs at the site and design drawings for the pumping station.
- Met with ECWA personnel to discuss the settlement history and the current conditions.
- Completed a subsurface exploration program specific to the new bypass piping.
- Provided a report with design recommendations to support and to place backfill around the bypass piping to limit settlement.
- Observed construction activities in January and February 2020 to confirm suitable subgrade conditions, as necessary.

The bypass piping construction has extended beyond the four week schedule we had assumed in our original scope. We propose the following effort to complete construction.

Task 5 – Additional Construction Phase Services

We will coordinate with ECWA personnel and the contractor during construction and be on-site, as necessary, to observe the subgrade conditions and check that the pipelines are installed as recommended. For each site visit we will prepare a field observation summary report and submit reports to ECWA on a routine basis. We assume a total of sixteen weeks (beginning March 2) to complete construction activities for both the north and south bypass piping. The north bypass piping completion may be postponed until the fall of 2020.

We will review and provide recommendations for supporting the south bypass piping as it crosses over Line A. We will also review any requests for information, questions, and material submittals associated with the bypass piping installation.

FEEES

We plan to invoice our engineering services on a time and expense basis using the rate schedule below. Direct expenses will be invoiced at cost and mileage will be invoiced at the federal rate. Our estimate to complete Task 5 is \$37,000.00.

Personnel Category	Rate \$/hr.
1. Principal Engineer	200.00
2. Senior Engineer	160.00
3. Project Engineer	120.00
4. Staff Engineer	100.00
5. Technical Support Staff	65.00
6. Administrative	50.00

CONDITIONS of ENGAGEMENT

Conditions of engagement are described in our agreement for geotechnical engineering services dated January 16, 2020.

ACCEPTANCE

This contract addendum may be accepted by signing in the appropriate spaces below and returning one copy to us. This contract addendum shall constitute the entire agreement between the parties. This contract addendum is valid for a period of 30 days from the date of issue.



We appreciate the opportunity to submit this contract addendum and look forward to working together on this project.

Sincerely yours,

McMAHON & MANN CONSULTING ENGINEERING AND GEOLOGY, P.C.



Andrew J. Klettke, P.E.



Michael J. Mann, P.E.

This contract addendum is hereby accepted and executed by a duly authorized signatory, who by execution hereof, warrants that he/she has full authority to act for, in the name of, and on behalf of Erie County Water Authority.

ERIE COUNTY WATER AUTHORITY

By: _____ It's _____

Typed Name: _____ Date _____

