

REQUEST FOR AGENDA ITEM  
Legislative Request / BOM Request

Legislative Request  BOM Request

Date 6-8-2023  
Department Engineering  
Contact Person Garry Nathan

**PURPOSE FOR REQUEST:**

Adoption of Resolution: \_\_\_\_\_  
Adoption of Local Law: \_\_\_\_\_  
Adoption of Ordinance: \_\_\_\_\_  
Budget Amendment: \_\_\_\_\_  
Bond Approval: \_\_\_\_\_  
Contract Authorization:   
Other (Briefly Explain) \_\_\_\_\_

AE services for Planning and preliminary design for MAJOR Avenue Storm Sewer  
(cost \$60,000) This is a LTCP consent order project

**Budget Amendment (State the following)**

Increase Account/Line No. \_\_\_\_\_  
Decrease Account /Line No. \_\_\_\_\_  
Source of Funds Grant and CSO Communities

**CONTRACT AUTHORIZATION**

Purchase Equipment/Supplies: \_\_\_\_\_  
Lease Equipment/Supplies: \_\_\_\_\_  
Professional Services:   
Education/Training: \_\_\_\_\_  
Settlement of Claim: \_\_\_\_\_

**Grants:**

New EFC \$50,000  
Renewal \_\_\_\_\_  
Submission Dead Line \_\_\_\_\_

Fiscal Impact in Dollars or Percentage

Federal \_\_\_\_\_

State \$50,000

City of Cohoes \$274 \$9726 by CSO Communities

All back -up material has been submitted x

Explanation: \_\_\_\_\_ The other CSO Communities will split up the \$10,000 local cost with Cohoes share being \$274 \_\_\_\_\_

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

Use space or add typed attachment.

Submitted by: Garry Nthan

date 6/7/2023



June 8, 2023

Hon. William T. Keeler, Mayor  
City of Cohoes  
City Hall  
97 Mohawk Street  
Cohoes, NY 12047

ATTN: Mr. Gary Nathan, P.E.

RE: PROPOSAL FOR PROFESSIONAL SERVICES ASSOCIATED WITH THE CITY OF COHOES  
MANOR AVENUE STORM SEPARATION ENGINEERING PLANNING GRANT REPORT  
CHA MASTER SERVICES AGREEMENT TASK ASSIGNMENT NO. 1

Dear Mayor Keeler:

CHA Consulting, Inc. (CHA) is pleased to submit this proposal to provide the City of Cohoes (City) with professional services associated with the above-mentioned project. The City will receive funding through the Clean Water State Revolving Fund (CWSRF) Engineering Planning Grants Program, as administered through the New York State Environmental Facilities Corporation (EFC). As such, it is understood that the executed engineering agreement will include the provisions required in the Mandatory State Revolving Fund Terms and Conditions, effective October 1, 2022, and will require the submittal of an approvable MWBE Workplan and EEO Utilization Plan.

The scope of this proposal shall be to provide the City with an Engineering Report that meets the requirements defined under this program. The project was determined to be a Type II category for actions required pursuant to an administrative enforcement order. The project will require SHPO and additional DEC/EFC review and approvals prior to construction. Our proposed scope of services, professional fee, and project schedule are included below.

#### PROJECT UNDERSTANDING

The Manor Avenue Sewer Separation Project will construct a new storm sewer along Manor Avenue in the City of Cohoes. The new storm sewer network will serve to abate flooding along New York Avenue and Miller Avenue; and will effectively separate flows from the City's combined sewer system. The project is required under the executed Order on Consent for the Albany Pool CSO LTCP (DEC Case # 4-20120911-01).

#### SCOPE OF SERVICES

##### **Task 1 – Project Coordination/Meetings**

The project will be started with an official kick-off meeting. The purpose of this meeting is to review the project parameters, grant requirements, the Consultant's technical scope, and any concerns or issues the

City needs addressed. In addition, CHA will request any supporting documentation or data required to complete the study. Over the course of this project, CHA shall maintain close coordination and communication with the City.

### **Task 2 – Subsurface Investigations**

In order to estimate groundwater levels and potential rock quantities that could impact construction costs, CHA proposes to coordinate with a drilling company and subcontract for up to two (2) days of soil drilling. CHA will propose boring locations for the City's review and approval prior to the investigation. It is estimated there will be 8-10 shallow borings advanced to depths of approximately 10 feet, or until bedrock is verified. If bedrock is encountered, confirmation cores shall be obtained to verify the nature of the underlying bedrock. As part of these efforts, CHA will work with the Drilling Subcontractor and/or City staff to quantify infiltration rates for the existing soils along the project corridor(s). CHA will conduct field supervision of the boring and infiltration investigations and coordinate the work with any necessary utility companies. The deliverable for this task will be the preparation of boring logs and infiltration testing results for the Engineering Report.

#### *General Assumptions:*

We offer the following assumptions relative to the geotechnical investigation. The assumptions are not intended to limit our proposal but are provided to clarify our understanding of the work required.

- CHA and our subcontractor will be granted free and easy access to the project site and all properties contained therein.
- Borings will be installed with a truck mounted rig. The borings will be backfilled with drill cuttings; no grouting will be performed.
- Drilling subcontractor will be required to pay New York State prevailing wage rates.
- CHA will mark the boring locations by pulling ties from existing site features to the extent possible.
- Excess soil cuttings from the borings will be disposed of on the City's property at a designated site.

### **Task 3 – SHPO Review and Coordination**

As part of this work, CHA will perform cultural resource investigations adhering to the guidelines recommended by the Historic Preservation Field Services Bureau; OPRHP/SHPO (recommendation in director's letter of September 20, 1995) for cultural resource management projects and the revised guidelines issued on May 5, 2005 (John Bonafide, Historic Preservation Field Services Bureau). It shall also comply with the New York State Historic Preservation Act (including associated guidance) and the requirements of the New York State Historic Preservation Office.

### **Task 3 – Engineering Report**

The proposed mitigation alternatives will focus primarily on providing separated conveyance for stormwater runoff and/or the promotion of green infrastructure components to reduce runoff. The report will consider storm and flood resiliency (e.g., potential for flooding impacts, or other extreme weather events), consider impacts on environmental justice (EJ) areas, and include a comprehensive analysis of the following alternatives:

- No-action alternative.
- Green infrastructure, in combination with gray infrastructure or individually, is required for projects involving stormwater, including stormwater inflow to sewer systems. A justification will be provided if a green infrastructure component is not part of the recommended alternative.
- Repair or replacement versus new construction.
- Regional consolidation opportunities or considerations.

Any alternatives considered technically infeasible will be identified as such and the rationale briefly discussed and Smart Growth alternative(s) will be considered and documented in the engineering report. The Engineering Report will satisfy the requirements of the components defined in the DEC/EFC Engineering Report Outline, including:

- Definition of the Problem
- Flow and Organic Load
- Impact on Existing Wastewater Facilities
- Project Description
- Conceptual Drawing/Site Plan
- Site Information
- Engineering Criteria
- Alternatives Considered and Alternative Selection
- Environmental Review Requirements
- Conclusion and Recommendations
- Smart Growth Certification Form

#### PROFESSIONAL FEE & EXPENSES

CHA proposes to be compensated for the scope of services defined above on a lump sum basis in an amount of Sixty Thousand Dollars (\$60,000.00), including expenses and drilling costs. CHA will not exceed this estimated amount without prior written authorization from the City of Cohoes.

#### PROJECT SCHEDULE

CHA is prepared to begin work on this project immediately upon receipt of a notice to proceed, with field investigations scheduled based on the availability of the drilling services. We anticipate completion of the Engineering Report within 6 to 9 months, prior to the 2024 Consolidated Funding Application filing deadline.

We trust this proposal meets with your satisfaction. If you have any questions, please do not hesitate to contact me directly at (518) 369-8991. Thank you for considering CHA for your engineering services, and we look forward to working with you and your staff on this project.

Very truly yours,



Michael F. Miller, P.E.  
Vice President

The terms and conditions for this Work Order are accepted in accordance with the City of Cohoes's Master Service Agreement with CHA Consulting, Inc., executed in 2023:

ACCEPTED BY: CITY OF COHOES

SIGNATURE: \_\_\_\_\_

PRINTED NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_