



architects + engineers

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May 28, 2021

Ms. Jennifer Deschaine
Sr. Project Manager
Yonkers Public Schools
School Facilities Management Dept.
One Larkin Center
Yonkers, New York 10701

**Re: Emergency COVID19 Plumbing Services - REVISED
Bottle Filling Station Installations
Various School Buildings
Contract Number 2020-00000629
H2M Letter Proposal No.: 201169**

Dear Ms. Deschaine:

H2M architects + engineers (H2M) was contracted by Yonkers Public Schools (YPS) to provide architecture and engineering services under the Non-Academic Professional Services Contract dated May 20, 2020. On Friday September 18, 2020, YPS contacted H2M to discuss potentially providing architecture and engineering services during the installation of bottle filling stations to provide potable water to various school buildings.

Task 1: Environmental Review, Inspection, Sampling and Site Plan Review

In general, our team is relying on the physical survey work already completed and documented for the lead in water sampling program, a separate assignment, within the scope of this assignment. Base drawings, .pdf documents, are available for review. After initial review of these documents, additional site visits were required to verify site conditions. In addition, H2M provided engineered drawings as requested by YPS.

In addition to the above scope, YPS requested H2M to sample approximately 71 bottle fillers and analyze collected water samples for lead. This work is independent of the overall lead in water sampling program for YPS, as these new units were intended to be used immediately and required clearance with respect to lead prior to operation.

H2M's effort will include:

- Review of bottle filler station specs
- Review existing WC locations – Plan & photos – 40 schools
- Review YPS chosen locations and AHERA reports
- Develop a typical design for back plate/structure with varying mounting heights – 2 conditions
- Develop a specific design for back plate/structure – 1 condition
- Develop design for pipe enclosure panel at base of unit
- Document proposed new locations – 40 schools
- Document recommended locations for power supply
- Sampling of Bottle Filling Stations for Lead – 25 schools/60 bottle fillers
- Reporting of Bottle Filler Sampling Results

Based upon the above scope of work, we estimate the following fee:

Environmental Review

Department Manager	22 hours x \$200.00/hour = \$ 4,400.00
Sr. Project Scientist 1	80 hours x \$125.00/hour = \$10,000.00
Staff Engineer 1:	21 hours x \$100.00/hour = \$ 2,100.00

Field Work

Sr. Architect 3 (Inspection):	2 hours x \$195.00/hour = \$ 390.00
Staff Engineer 1 (Sampling):	9 hours x \$100.00/hour = \$ 900.00
Project Scientist 1 (Sampling):	25 hours x \$95.00/hour = \$ 2,375.00
Staff Scientist 2 (Sampling):	60 hours x \$85.00/hour = \$ 5,100.00

Site Plan Review

Sr. Architect 3:	62 hours x \$195.00/hour = \$12,090.00
Project Architect 3:	93 hours x \$135.00/hour = \$12,555.00
Project Designer 2:	19 hours x \$120.00/hour = \$ 2,280.00
Staff Designer 3:	3 hours x \$95.00/hour = \$ 285.00
Staff Designer 2:	153 hours x \$85.00/hour = \$13,005.00
Student Intern:	13 hours x \$55.00/hour = \$ 715.00
In-House Reproduction:	= \$ 350.00

Task 1 Total = \$66,545.00

Task 2: Districtwide SED Submission

H2M has reviewed SED's 05.20.2021 determination and the submission requirements related to the Districtwide Bottle Filling Station Installation. In addition, H2M has discussed the requirements with SED Office of Facilities Planning staff. It is H2M's understanding the code compliant review of the documentation by SED will be limited to the existing locations of drinking fountains, water coolers and the new bottle filling station installations for each of the schools.

Several SED's forms (FP-EEB Evaluation of Existing Building and FP-CCC Code Compliance Checklist) will require representation from H2M regarding building construction classification, code compliance., etc. Considering the fact that our services did not include a detailed building code compliant survey we will be relying on the documentation and records prepared previously by Yonkers Public Schools and made available to us in order to complete the submission.

H2M will incorporate the required drinking fountain, water cooler and bottle filler documentation into the base plans previously prepared by H2M.

H2M's effort will include:

- Preparation of SED District Wide Forms, FP-F, FP-CL, FP-SC
- Preparation of Individual Building Forms (40), FP-EEB and FP-OPRHP
- Coordination of Highway and Asbestos Letters
- Preparation of Plans and Project Manual
- Submission of Documents to SED via Laserfische
- Coordination with SED Project Manager and Facilities Team

Based upon the above scope of work, we estimate the following fee:

Studio Director:	8 hours x \$230.00/hour = \$ 1,840.00
Department Manager	5 hours x \$200.00/hour = \$ 1,000.00
Senior Architect 3:	106 hours x \$195.00/hour = \$20,670.00
Staff Designer 3:	142 hours x \$ 95.00/hour = \$13,490.00
Staff Designer 2:	148 hours x \$ 85.00/hour = \$12,580.00
Sr. Project Scientist:	37 hours x \$130.00/hour = \$ 4,810.00

Task 2 Total = \$54,390.00

For the above tasks, H2M estimates a total fee of \$120,935.00. The anticipated effort is based on our understanding of SED's submittal requirements, our direct discussions with SED and the available building criteria. Our estimated level of effort and fee shall be adjusted to reflect increased effort resulting from deviations to SED's requirements and enlargement to the scope of work.

Should you have any questions, please do not hesitate to contact Martha Mihaltses at 631-756-8000, extension 1603.

Very truly yours,

H2M architects + engineers



Paul R. Lageraen, P.E., P.G.
Discipline Director | Environmental / Industrial Hygiene / Forensics



Martha C. Mihaltses
Senior Project Scientist

TASK 1 \$ 66,545.-
TASK 2 \$ 54,390.-

S/T \$ 120,935.-
+ 5,000 add \$ reimbursible allow
TOTAL \$ 125,935.-
ASSIGN:
Jennifer Deschanel
6/30/21