

RESOLUTION APPROVING BUDGET MODIFICATION TO HAZEN FOR SERVICES DURING CONSTRUCTION FOR THE H6 H7 CSO LTCP PROJECT

MOTIONED BY: Velazquez

SECONDED BY: Friedrich

WHEREAS, the North Hudson Sewerage Authority (hereinafter "Authority") is a public body, duly formed under the Sewerage Authorities law, constituting Chapter 138 of the Laws of New Jersey of 1946, as amended (Chapter 14A of Title 40 of the New Jersey Statutes Annotated) and possesses the powers set forth therein; and

WHEREAS, HAZEN has been selected under resolution 19-066 to provide engineering services during construction for the H6/H7 CSO LTCP Project; and

WHEREAS, HAZEN has submitted a request (Exhibit "A") for additional compensation in the amount of \$50,000 related to additional engineering services performed for out of scope items related to the H6/H7 CSO LTCP Project; and

WHEREAS, the Authority has determined to undertake, and hereby amend the scope of, the H6/H7 CSO LTCP Project as described in Appendix B hereto (the "Project") pursuant to Resolution No. 19-066 adopted on August 15, 2019;

WHEREAS, the Authority has determined that the total estimated cost of the Project will be an amount not to exceed \$1,849,806; and

WHEREAS, the Chief Financial Officer has certified that funding is available through the Authority's Capital Improvement Program; and

WHEREAS, the capital budget of the Authority is hereby amended to conform with the provisions of this resolution to the extent of any inconsistency herewith; and

WHEREAS, the Facilities Review Board has reviewed the proposal and recommends the approval of the request.

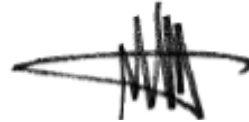
NOW THEREFORE, BE IT RESOLVED that the Authority, as recommended by the Facilities Review Board, approves of HAZEN provision of additional professional engineering and construction services as outlined in Exhibit "A" and shall be compensated in an amount not to exceed an additional \$50,000.

DATED: AUGUST 19, 2021

RECORD OF COMMISSIONERS' VOTE

	YES	NO	ABSENT
Commissioner Soares	x		
Commissioner Kappock			x
Commissioner Marotta	x		
Commissioner Gardiner	x		
Commissioner Friedrich	x		
Commissioner Guzman	x		
Commissioner Velazquez	x		
Commissioner Barrera	x		
Commissioner White	x		

THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE NORTH HUDSON BOARD OF COMMISSIONERS ON AUGUST 19, 2021.



SECRETARY



Hazen and Sawyer
333 Thornall Ave, 3rd Floor, Suite 3B
Edison, NJ 08837 • 732-491-2810

August 4, 2021

Fredric J. Pocci, P.E.
Authority Engineer
North Hudson Sewerage Authority
1600 Adams St.
Hoboken, NJ 07030

Re: NHTA H6/H7 CSO LTCP Phase 1 – Design Services During Construction
Request for Budget Amendment

As per our Agreement with the North Hudson Sewerage Authority (NHTA), Hazen has subcontracted Jacobs Engineering Group (Jacobs) to provide Engineering Services During Construction for review of submittals for Division 31 - Excavation Support and Piles, and Division 44 - Hydrodynamic Separators; as well as review of Requests for Information (RFI) and Requests for Clarification (RFC) during the construction phase of the work for a price not to exceed \$70,000. As you are aware, there have been several major changes made to the project design as a result of site conditions and lack of coordination on the part of the Contractor. These unanticipated changes have required additional work from Jacobs, the designer of the project, which has consumed Jacobs's budget for this project.

Attached please find an August 3, 2021, letter from Jacobs detailing the additional, out of scope work performed on the project along with a request for a budget increase of \$50,000 for Jacobs to continue to provide Engineering Services During Construction for the remainder of the project. Hazen herein requests a budget increase in the amount of \$50,000 (Amendment No. 1) which it will apply to the subcontracted services amount for Jacobs, on a time and materials basis, in order to continue Jacobs's services on the project.

The proposed change to our Agreement is summarized below:

- Hazen and Sawyer Original Budget: \$ 1,799,806
- Requested Amendment No. 1: \$ 50,000
- Revised Project Budget: \$ 1,849,806

Should you have any questions or comments, or require any additional information, please feel free to contact me.

Very truly yours,

Kevin D. Haney, P.E., BCEE
Senior Associate

Enclosure

cc: E. Kelly, W. Gettings - Hazen

90370-000

August 3, 2021

Mr. Kevin Haney, P.E.
Senior Associate
Hazen and Sawyer
333 Thornall Street, 3rd Floor, Suite 3B
Edison, NJ 08837

Subject: Budget Increase
North Hudson Sewerage Authority
H6/H7 CSO LTCP Project Phase 1 – Engineering Services During Construction

Dear Mr. Haney:

Jacobs Engineering Group, Inc. (Jacobs) entered into a subcontract agreement with Hazen & Sawyer (Hazen) in June 2020 for the North Hudson Sewerage Authority's H6/H7 Combined Sewer Overflow (CSO) Long Term Control Plan (LTCP) Project Phase 1 – Engineering Services During Construction. The scope of work listed in our subcontract is the for review of submittals for Division 31: Excavation Support and Piles and Division 44 Hydrodynamic Separator; as well as requests for information (RFIs) for these same Divisions and Design Engineer related requests for clarifications (RFCs) during the bid phase for these same divisions for a price not to exceed \$70,000.

To date Jacobs has provided the following services:

- Review of the following submittals:
 - Submittal 44 42 43-001A – Hydronamic Separators
 - Submittal 31 34 00-003-A – Micropile Load Test
- Review of the following RFIs
 - RFI-001: Pretreatment Elevations
 - RFI-002: Pretreatment SOE Baseline Modifications
 - RFI-003: Hydrodynamic Separator Location Conflict
 - RFI-004: Micropile Location Shift
 - RFI-005: Southern Pretreatment Sheeting Wall- Relocations
 - RFI-012: Pump Station Steel Header
 - RFI-017: Control Building Coordinates
 - RFI-020: Pile Tip Elevations
 - RFI-022: Pretreatment NE Corner Mircopiles
 - RFI-031: Sump Pump Drain Routing
 - RFI-033: Wall Panel Support Framing
- Attendance at the following meetings:
 - Hydrodynamic Separators: Contractor claimed that Jacobs made changes to the design of the treatment units, however it was noted that Jacobs approved original shop drawing with minor Approved as Noted comments and the vendor was trying to change the design of the treatment units.
 - Many coordination meetings regarding support of excavation system, piles and dewatering.
- Oversight by a Jacobs Geotechnical Engineer for the second micropile load test for several days to ensure the Contractor was using proper installation procedures for the drilling method chosen.

Mr. Kevin Haney

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August 3, 2021

- Redesign of the following elements of design due to the Contractor's poor coordination of the elements of the project and submittals not previously reviewed by Jacobs that were approved by Hazen:
 - Relocation of the Control Building 3 feet south of the as-designed location as the Contractor did not take into account that sequence of construction would require the construction of the Control Building to occur in parallel with the construction of the Pump Station Facility to meet the overall construction schedule. Contractor did not take into account that the excavation support system for the pump station on the south side of the facility would be cut and remain in place under the control building as noted in Section A of Drawing 10-S-301.
 - Redesign of the piles from micropiles to H-Piles under the control building and pump station areas as the Contractor did not take into account the ground condition for the drilling method selected which required the Contractor to install micropiles longer than necessary to obtain the correct load capacity and the Contractor's inability to control the groundwater in the PS excavation and installing piles out of the tolerance required by the specifications.
 - Redesign of the Pump Station bottom slab due to a smaller than required support of excavation system and a system that interferes with the installation of the piles which will require the bottom slab to be thickened by an additional 2.5 feet.

At this time Jacobs has exhausted our budget of \$70,000 and will require additional funding to continue to support the project. Jacobs will need to detail out the conceptual plan for the revisions in the Pump Station area of the project noted above. In addition, Jacobs will need to revisit the pile and structural design for the pretreatment area of the project to accommodate H-Piles. Based on the poor coordination on the part of the contractor we propose an additional budget of \$50,000 on a time and materials basis in order to continue to support the project.

If you have any questions or require additional information regarding this proposal, please contact me at 862.242.4067.

Sincerely,
Jacobs



Shivani Patel, P.E.
Project Manager

**RESOLUTION DIRECTING WORK TO HAZEN TO PROVIDE PROFESSIONAL
ENGINEERING SERVICES DURING CONSTRUCTION FOR
H6/H7 CSO LTCP PHASE 1**

MOTIONED BY: VELAZQUEZ

SECONDED BY: FRIEDRICH

WHEREAS, the North Hudson Sewerage Authority (hereinafter "Authority") is a public body, duly formed under the Sewerage Authorities law, constituting Chapter 138 of the Laws of New Jersey of 1946, as amended (Chapter 14A of Title 40 of the New Jersey Statutes Annotated) and possesses the powers set forth therein; and

WHEREAS, HAZEN been selected under resolution 18-137 to provide engineering services for various capital projects required throughout its service area that must be performed in order to maximize the performance of its waste water treatment facility, the capacity of its combined sewer system and/or to comply with its New Jersey Pollution Discharge Elimination System (NJPDES) permit; and

WHEREAS, HAZEN has submitted a proposal (Exhibit "A") to provide Engineering Services During Construction for the H6/H7 CSO LTCP Phase 1; and

WHEREAS, the Facilities Review Board has considered this request and proposal and recommends the approval of the full Board.

NOW THEREFORE, BE IT RESOLVED that the Authority, as recommended by the Facilities Review Board, directs HAZEN to provide professional engineering services during construction for the H6/H7 CSO LTCP Phase 1 as outlined in Exhibit "A" and shall be compensated in an amount not to exceed \$1,799,806.

DATED: AUGUST 15, 2019

RECORD OF COMMISSIONERS' VOTE

	YES	NO	ABSENT
Commissioner Soares	x		
Commissioner Kappock	x		
Commissioner Marotta	x		
Commissioner Gardiner	x		
Commissioner Friedrich	x		
Commissioner Sanchez			x
Commissioner Velazquez	x		
Commissioner Roque	x		
Commissioner White	x		

**THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE
NORTH HUDSON BOARD OF COMMISSIONERS ON AUGUST 15, 2019.**



ASST. SECRETARY