

**RESOLUTION APPROVING BUDGET MODIFICATION TO JACOBS FOR  
ENGINEERING SERVICES FOR THE HOBOKEN TRUNK SEWER STUDY PROJECT**

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**MOTIONED BY:** Velazquez

**SECONDED BY:** Gardiner

**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**, JACOBS has been selected under resolution 15-097 to provide engineering services during construction for the CSO LTCP Project; and

**WHEREAS**, JACOBS has submitted a request (Exhibit "A") for additional compensation in the amount of \$40,000 related to engineering services to perform an additional study related to the Hoboken Trunk Sewer Study Project under the CSO LTCP; and

**WHEREAS**, the Authority has determined that the total estimated cost of the Project will be an amount not to exceed \$40,000; 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.

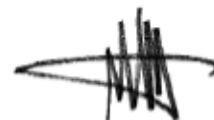
**NOW THEREFORE, BE IT RESOLVED** that the Authority, as recommended by the Facilities Review Board, approves of JACOBS provision of additional services outlined in Exhibit "A" and shall be compensated in an amount not to exceed an additional \$40,000.

**DATED: JUNE 16, 2022**

**RECORD OF COMMISSIONERS' VOTE**

	<b>YES</b>	<b>NO</b>	<b>ABSENT</b>
Commissioner Kappock			x
Commissioner Marotta	x		
Commissioner Gardiner	x		
Commissioner Friedrich	x		
Commissioner Guzman	x		
Commissioner Velazquez	x		
Commissioner Barrera	x		
Commissioner Zucconi			x
Commissioner Assadourian	x		

**THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE  
NORTH HUDSON BOARD OF COMMISSIONERS ON JUNE 16, 2022.**




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**SECRETARY**

Mr. Fredric J. Pocci, P.E.  
Authority Engineer  
North Hudson Sewerage Authority  
1600 Adams Street  
Hoboken, New Jersey 07030

Via email

May 23<sup>rd</sup>, 2022

**Subject: Fee Proposal for Hoboken Trunk Sewer Study**

CH2M (now Jacobs) was awarded by the Authority the Program Manager for the Development of the Combined Sewer Overflow Long Term Control Plan (LTCP) contract, under resolution 15-097, for a total fee in the amount of \$447,998. Subsequently in December 2021 under resolution 21-088 the Authority provided for an additional \$50,000 to continue to support the project.

At the request of the Authority we have put together a scope and fee to perform the Hoboken Trunk Sewer Study. The conceptual alignment is shown in the attached map. Jacobs is tasked with determining if the concept is feasible for the service area and potentially provide more benefit than the concepts presented in the recent LTCP. Available data from the existing Adams Street Infoworks model will be reviewed and the proposed alignment will be incorporated. Hydraulics and sizing for the interceptor will be evaluated for the typical year and target Design Storm Events determined by NHSA. The results and findings will be compiled in a report and also compared with the results from the proposal 5<sup>th</sup> Street and 11<sup>th</sup> Street pump station projects currently in the LTCP. The task would be executed as an extension of the existing PO for CSO LTCP Program Management.

## Scope of Work

Services to be performed by the Jacobs team under this fee will include the tasks described below. Jacobs' project team has prepared the scope of services with a knowledge and understanding of the Authority's combined sewer systems (CSS) and the provided sewer alignment.

The project includes the following tasks:

- Task 1-Hydraulic Modeling
  - Attend 4 meetings to review initial concept, preliminary results, and final results.
  - The task involves the following:
    - GIS/Desktop Review: Review available GIS data to evaluate interceptor parameters and high-level constructability (ground cover, invert elevations, pipe slope, etc.)
    - Update Hydraulic Model: Update model to include proposed interceptor configuration based on GIS/desktop review
    - Hydraulic Model Evaluation: Evaluate interceptor hydraulics/size for Typical Year and Design Storm Events
    - Review and Compile Results: Compile results from hydraulic model evaluation, include comparison of baseline results and results with 5th and 11th St pump station projects. Analyze CSO frequency/volume, manhole flooding, HGL in trunk sewers

- Task 2-Memorandum
  - Develop technical memorandum summarizing results.

Jacobs' project team prepared the scope of services with a knowledge and understanding of the Authority's objectives and the requirements of the project. Services will be provided on a Time and Material basis in accordance with the terms of our most recent On Call Services agreement with the Authority and the proposed changes submitted to the Authority via letter dated January 12, 2022. We have calculated our fees based on the level of effort we estimate it will take to administer the work. Our fee for Engineering Services for the Hoboken Trunk Sewer Study is shown in **Table 1** below.

**TABLE 1**  
**Hoboken Trunk Sewer Study - Tabulation of Engineering Costs and Hours**

Task	Task Description	Proposed Hours	Proposed Cost (\$)
Task 2	Hydraulic Modeling	194	\$31,141
Task 3	Technical Memorandum	48	\$7,860
<b>Project Totals</b>		<b>232</b>	<b>\$40,000</b>

Jacobs looks forward to providing continuing service to the North Hudson Sewerage Authority with this task. If you have any questions or require additional information regarding this proposal, please contact Shivani at 862.242.7067.

Sincerely,

Jacobs Engineering Group



Shivani Patel, PE  
Project Director

**Attachments:**

Attachment 1 — Proposed Hoboken Trunk Sewer Alignment



