

**RESOLUTION DIRECTING WORK TO MOTT MACDONALD
FOR CSO LTCP RIVER ROAD 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, Mott MacDonald has been selected under resolution 23-156 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, Mott MacDonald has provided a proposal to perform additional sewer modeling for the River Road Long Term Control Plan. The NJDEP has requested that we reduce the overall timeline for the current plan. The modeling will provide additional information to see if changes can be made to accommodate the reduced timeline. The proposal includes the modeling, communicating with the NJDEP, and making revisions to the LTCP; and

WHEREAS, Mott MacDonald has submitted a proposal (Exhibit "A") to provide services for the CSO LTCP River Road Project; and

WHEREAS, the Chief Financial Officer has certified that funding is available through the Authority's Fiscal Year 2024-2025 Capital Budget.

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

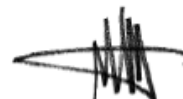
NOW THEREFORE, BE IT RESOLVED that the Authority, as recommended by the Facilities Review Board, directs Mott MacDonald to provide services for the CSO LTCP River Road Project as outlined in Exhibit "A" and shall be compensated in an amount not to exceed \$51,000.00.

DATED: APRIL 18, 2024

RECORD OF COMMISSIONERS' VOTE

	YES	NO	ABSENT
Commissioner Gardiner	x		
Commissioner Kappock	x		
Commissioner Marotta	x		
Commissioner Friedrich	x		
Commissioner Guzman	x		
Commissioner Velazquez	x		
Commissioner Barrera			x
Commissioner Zuconi	x		
Commissioner Assadourian	x		

THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE NORTH HUDSON BOARD OF COMMISSIONERS ON APRIL 18, 2024.



SECRETARY



Donald R. Conger, III, PE, Authority Engineer
North Hudson Sewerage Authority
1600 Adams Street
Hoboken, New Jersey 07060

Our Reference
507101715

**North Hudson Sewerage Authority
Proposal for Professional Engineering Services
River Road Wastewater Treatment Plant Long Term Control Plan**

April 4, 2024

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Dear Mr. Conger:

At the request of the North Hudson Sewerage Authority (NHSA) we are pleased to present our proposal for professional engineering services as it pertains to the above referenced project.

Project Understanding

In June of 2020, NHSA submitted the Selection and Implementation of Alternatives Report to New Jersey Department of Environmental Protection (NJDEP) as part of the Long-Term Control Plan (LTCP) for the River Road hydraulically connected system. This report confirmed NHSA's commitment to achieving 85% wet weather capture and summarized the planned activities to achieve that goal. The LTCP consisted of three primary projects:

- Increasing the River Road wet weather treatment capacity to 35 MGD (\$13M)
- Raising the regulator weirs on the joint overflow sewer outlet (JOSO) (\$2M)
- Acquiring land and constructing an 8 MG storage tank at outfall WNY1 (\$77M)

The combination of the above projects was projected to increase the wet weather capture from 60% to 92%. Under baseline conditions the total wet weather entering the system during the typical year was 711 MG with an overflow volume of 286 MG, giving a 60% capture. To achieve the required 85% capture, the overflow volume must be reduced to 106 MG. Since the 8 MG storage tank is the most expensive component of the LTCP, NHSA would like to know if the other projects can be reasonably augmented to eliminate the need for the storage tank, while still achieving the required CSO reduction. This would result in a significant savings to the Authority. The CSO storage tank is also much later in the schedule, with a projected start date of 2045, thus eliminating the tank would reduce the overall LTCP project schedule.

Task 1 – Modeling

Mott MacDonald will use the modeling developed for the System Characterization Report and the Development and Evaluation of Alternatives Report to evaluate combinations of weir raisings and treatment plant capacity improvements to further reduce the overflow volumes from the River Road system. Alternatives that achieve the required CSO reduction will be assessed for feasibility. Mott MacDonald will meet with NHSA to review the alternatives evaluated and the results. Based on feedback from the Authority, a summary report will be prepared to document the alternatives, and modeling and evaluation process.

Task 2 – Communication with NJDEP

Once an alternative or suite of alternatives is agreed upon with the Authority, Mott MacDonald will initiate communication with NJDEP. We will prepare a summary of the alternatives and schedule a meeting between the Authority and NJDEP. Mott MacDonald will present the preferred alternative to the NJDEP and explain how it complies with the permit requirements. If the NJDEP is agreeable, we will prepare a formal request to modify the LTCP under the Adaptive Management provisions.

Task 3 – LTCP Revisions

When concurrence is provided by the NJDEP, Mott MacDonald will update the River Road CSO LTCP. Jacobs compiled the final CSO LTCP document, it is assumed that the necessary source files and modeling files will be provided so that the report can be updated. It is anticipated that there will be draft and final submissions to the NJDEP. We will communicate with NJDEP as the process continues.

Engineering Budget

For the above listed scope of work, we request the following budget on a not-to-exceed time and material basis:

Task	Description	Expected Level of Effort	Budget Request
1	Modeling	80 hrs.	\$20,000.00
2	Communication with NJDEP	35-hrs	\$7,500.00
3	LTCP Revisions	120-hrs	\$23,500.00
	Total	235-hrs	\$51,000.00

Mott MacDonald will invoice the NHSA based upon actual hours applied to the project in accordance with our prevailing rate schedule in effect at the time of the services. Out of pocket expenses such as subcontractors will be billed at actual cost.

Mott MacDonald will undertake these services in accordance with our existing general consulting agreement.

This proposal does not include any additional engineering services beyond those specified. Additional services beyond those specified will not be conducted unless requested and authorized by the Authority. The above listed fees do not include permit applications fees.

Should you wish to discuss the above, do not hesitate to contact us.

Very Truly Yours:
Mott MacDonald

A handwritten signature in blue ink, appearing to read "Kevin Wynn".

Kevin P. Wynn, PE, PP, CME
Vice President
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