



**CITY OF NOVI CITY COUNCIL
JANUARY 26, 2026**

SUBJECT: Consideration of approval to award engineering design services to AECOM for a Meadowbrook Road, 9 to 10 Mile Road, project, in the amount of \$128,267.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

KEY HIGHLIGHTS:

- The proposed scope is in addition to ditching and storm sewer work that was designed last year.
- The water main between Chattman Dr and 9 Mile Rd was installed in 1970 and is at risk of breaks.
- The segment of road has poor rideability due to transverse cracks in the surface pavement.

FINANCIAL IMPACT

	FY 2025/26
EXPENDITURE REQUIRED	\$ 68,680.00 Water Main Lining \$ 59,587.26 Road Resurfacing \$128,267.26 TOTAL
BUDGET Water & Sewer Fund 592-536.00-976.198 Major Street Fund 202-449.20-975.201	\$ 201,850.00 Water & Sewer Fund \$ 100,146.00 Major Street Fund
APPROPRIATION REQUIRED	\$ 0
FUND BALANCE IMPACT	\$ 0

BACKGROUND INFORMATION:

City engineering consultant, AECOM, began designing drainage improvements for Meadowbrook Rd, 9 to 10 Mile Rd, in 2024 due to issues with the overall drainage system. During the design, it was noted that there is aging asbestos-cement water

main along Meadowbrook Rd between Chattman Dr and 9 Mile Rd, along with needed road rehabilitation. To avoid impacting the area repeatedly over the next several years with construction projects, City staff decided to combine the drainage, water main, and road rehabilitation into one project.

In addition to the ditching and storm sewer work that was previously designed, the existing asbestos-cement water main is proposed to be lined with Cured-In-Place Pipe (CIPP) lining. This lining method is less disruptive to residents since it is a trenchless method of rehabilitating water main. Following the water main lining, the project proposes a 2-inch mill of the existing concrete pavement and placement of 3-inches of asphalt. Drainage improvements would be made during the road portion of the project.

AECOM prepared a scope of services for the design of the water main lining and road resurfacing of Meadowbrook Road, 9 to 10 Mile Road. The attached proposal outlines the detailed scope of services. The design fee will be \$128,267.26, which is adjusted from the consultant fee table based on work already completed in previous design.

The fee derivation is based on the following construction estimate breakdown:

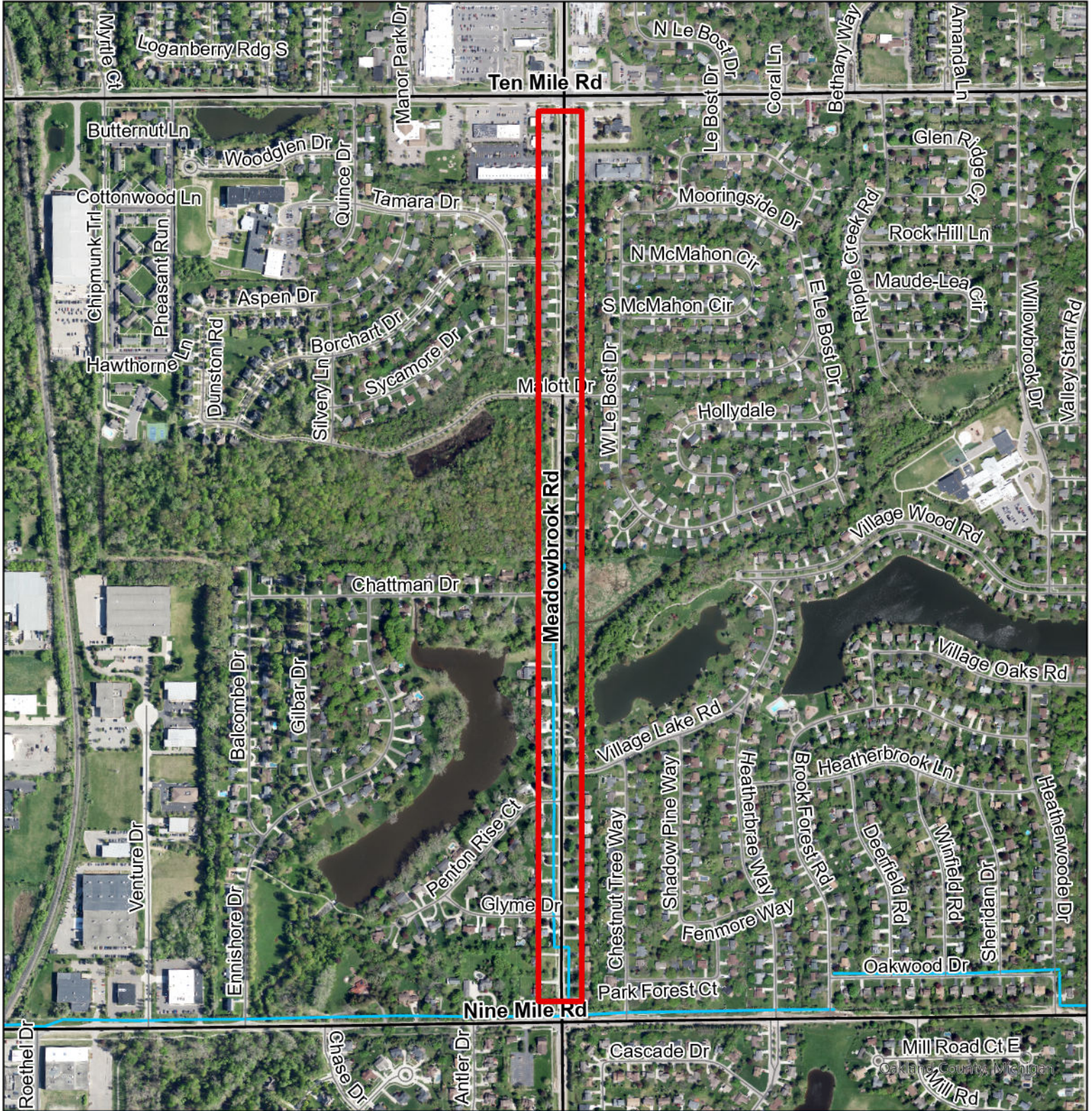
• Water Main Lining	\$ 1,098,880.00 x 6.25%	= \$68,680.00
• Resurfacing	\$ 1,324,161.30 x 4.5%	= \$59,587.26
Total		\$ 128,267.26

Design will begin immediately after the award with construction expected to start with water main lining in summer or fall of this year, and drainage and road work to follow in 2027. The road work is being planned for 2027 due to other road construction projects occurring nearby in 2026 (8 Mile Bridge - Wayne County, Novi Rd 8 to 9 Mile - RCOC, and Village Wood, Cranbrooke to Haggerty). The water main lining is not expected to require any traffic detours.

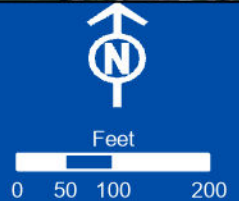
RECOMMENDED ACTION: Approval to award engineering design services to AECOM for a Meadowbrook Road, 9 to 10 Mile Road, project, in the amount of \$128,267

Meadowbrook Road, 9 Mile Rd to 10 Mile Rd

Water Main Lining, Road Rehabilitation and Drainage Improvements



— Water Main
▭ Project Area



Map Author: Runkel
Map Print Date: 1/20/26



January 13, 2026

Ms. Rebecca Runkel
City of Novi
Field Services Complex
26300 Lee Begole Drive
Novi, MI 48375

Reference: Scope and Fee Letter for
Meadowbrook Rd Water Main Lining & Resurfacing

Dear Ms. Runkel,

AECOM is pleased to submit this proposal for the above referenced project. The work to be completed in this project is in addition to the already dedicated ditching and storm work that has been designed on Meadowbrook Rd from 9 Mile Rd to 10 Mile Rd. The water main lining is proposed to be Cured-In-Place Pipe (CIPP) lining for the existing AC water main. The other aspect of this project being added is the resurfacing of Meadowbrook Rd with a 2" mill of concrete and a replacement of 3" of asphalt. This will require the reconstruction of all adjacent driveways and intersecting roadway approaches to match the new road elevation

Initial Meeting and Scope Verification

The intent of this task is to meet with the City and verify the limits and scope of work for the project. The city will establish the desired work to be completed. AECOM will then perform a field review of the site to determine the best approach and any other elements of work that would be required.

Base Plans

AECOM will prepare base plans (30% - 40% complete) to identify the major design features. These plans will also be used to further the utility investigation and resolution of potential conflicts. Base plans will include the results of the survey information, utility information received in response to our solicitations for information, and a preliminary estimate.

AECOM will obtain existing utility data with a design ticket through the MISS DIG system. In addition, AECOM will distribute the base plan design set to the utility companies that have indicated that they have facilities in the project area. We will incorporate the additional information that utility companies provide to AECOM into the plan set.

Preliminary Plans

Incorporating the information obtained from the above tasks, we will prepare the preliminary plan sets (90%) in accordance with City requirements. Soil boring/pavement core information will be included in the plans. This submittal will include items such as the typical cross sections, materials/quantities, and details. A Project Manual and preliminary updated cost estimate will also be prepared and submitted for each contract.

Final Plans and Proposal

Incorporating comments from the City, AECOM will develop the final plans submittal, including the plan sets, Project Manual, and cost estimates.

Schedule

Concept Plans (To Novi)	March, 2026
Final Plans (Ready to be submitted for advertisement)	April, 2026
Out to bid	May, 2026
Construction (Water Main Lining)	Summer/Fall, 2026



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Construction (Storm/Resurfacing)

Spring/Summer 2027

Construction

AECOM will provide full time inspection, contract administration, and staking as required for the projects. Materials Testing during construction will be performed by a geotechnical engineering firm hired directly by the City under the direction of AECOM.

Estimated Fees:

AECOM will provide Design Engineering services and Contract Administration services per the 2022-2027 Engineering Fees Table.

The estimated cost of work for this project was determined by approximate quantities established through field visits as well as satellite imagery. The estimated unit prices used were developed from average unit prices from recently bid MDOT projects.

Meadowbrook additional Design Fee:

Water Main Lining – Construction Estimate	=	\$1,098,880.00 x 6.25% =	\$68,680.00
Resurfacing – Construction Estimate	=	\$1,324,161.30 @ 4.50% =	\$59,587.26
Total			<u>\$128,267.26</u>

We understand that fees for construction phase services will be determined after a construction contract is awarded and that the City will pay the geotechnical firm for soil borings/cores, and materials testing during construction directly.

Please contact me if you have any questions or wish to discuss this submittal.

Sincerely,

AECOM Great Lakes, Inc.

Sean Kelsch, PE
Vice-President