CITY OF NOVI CITY COUNCIL
NOVEMBER 23, 2026

SUBJECT: Considerations of approval to award engineering design services to AECOM for a 2027 Boardwalk Repair and Replacement Program, in the amount of $213,110.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

KEY HIGHLIGHTS:

- All 38 City-owned boardwalks were inspected in 2023.
- Seven boardwalks were identified as a priority for repair or replacement.
- AECOM will re-inspect the seven boardwalks and develop plans for the most practical and economical fix, either repair/rehabilitation or replacement of the boardwalk with sidewalk where possible.

FINANCIAL IMPACT

	FY 2025/26
EXPENDITURE REQUIRED	**$ 8,400.00 Boardwalk Inspection** **$ 204,709.68 Design** **$ 213,109.68 TOTAL**
BUDGET **Municipal Street Fund 204-446.00-974.476**	**$ 274,224.00**
APPROPRIATION REQUIRED	**$ 0**
FUND BALANCE IMPACT	**$ 0**
A construction budget of $3M is budgeted in next fiscal year 27/28.	

BACKGROUND INFORMATION:

The City owns and maintains thirty-eight (38) boardwalks. City consultant, AECOM, conducted inspections of all 38 boardwalks in 2023. Following those inspections, AECOM recommended repairing or replacing seven priority boardwalks. Since a few years have passed since the initial inspections, AECOM will re-inspect the seven priority

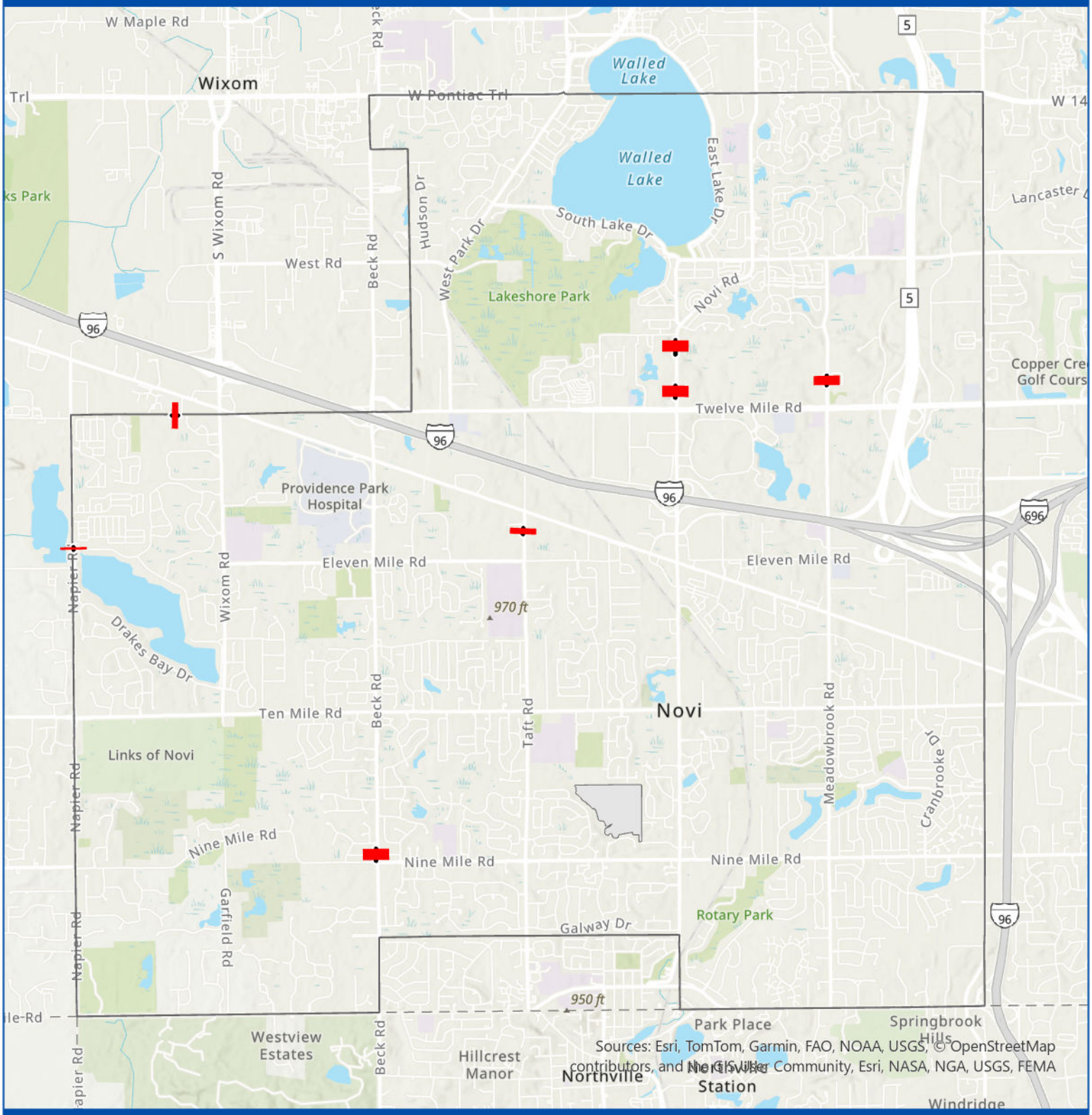
boardwalks and develop plans for the most practical and economical fix, either repair/rehabilitation or replacement of the boardwalk with sidewalk where possible.

AECOM prepared a scope of services for the inspection and design of seven boardwalks. The attached proposal outlines the detailed scope of services. The fee will be $213,109.68, which includes 48 hours of inspections and is based on the consultant fee table and the estimated construction cost of $2,558,871.

Inspections and design will begin immediately after the award, with construction expected to start in summer 2027.

RECOMMENDED ACTION: Approval to award engineering design services to AECOM for a 2027 Boardwalk Repair and Replacement Program, in the amount of $213,110.

2027 Priority Boardwalk Locations



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, NASA, NGA, USGS, FEMA

CITY OF NOVI
cityofnovi.org

Boardwalks

N

Feet
0 1,350 2,700 5,400

Map Author: Runkel
Map Print Date: September 15, 2026

November 6, 2026

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

Reference: Scope and Fee Letter for
2027 Boardwalk Program

Dear Ms. Runkel,

AECOM is pleased to submit this proposal for the above-mentioned project. The work for this project is re-inspection of seven boardwalks that were previously inspected and recommended for work. Once re-inspected and recommended fixes are confirmed, AECOM will develop plans for the work to be done. The boardwalks identified for reinspection and work are numbers: 7, 11, 14, 15, 19, 27, and 31. AECOM will look into the best and most economical fixes for repair, rehabilitation, or replacement with sidewalk.

Inspection: The intent of this task is to perform full reinspection of the seven boardwalks identified. AECOM will perform a Visual Safety Inspection and a Detailed Structural Inspection for each and will prepare a final report for the City. AECOM anticipates this will take 2 field days with a 2 person team and approximately 2 hours per boardwalk for a report.

Initial Meeting and Scope Verification: The intent of this task is to meet with the City and verify the aims of the project as well as identifying any other elements or considerations that should be included in this project. Upon completion of this task, AECOM will move forward with establishing a plan as well as contract documents for the initial program.

Survey and Preliminary Plans: AECOM will perform full topographic survey and base mapping of the project limits. We will prepare the preliminary plan sets (70%) in accordance with City requirements. Soil boring 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.

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 in the plan set.

AECOM will also begin meetings with EGLE if any options are going to be selected that will require EGLE approvals as a result of wetland impacts.

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

Boardwalk Inspections	December, 2026
EGLE Meetings	January/February, 2027

AECOM Great Lakes, Inc.
39575 Lewis Drive, Suite 400
Novi, MI 48377
Tel: 248.204-5900
Fax:248.204.5901

Preliminary Plans (To Novi)	March, 2027
Final Plans (Ready to be submitted for advertisement)	April, 2027
Out to bid	May, 2027
Bids Received	Mid to Late May, 2027
Construction Start	July 1, 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 were developed from average unit prices from recently bid MDOT projects.

For some of the boardwalks, AECOM developed multiple estimates for different alternatives. The combined estimates represent what AECOM deems to be the best options given our current understanding of field conditions and EGLE's restrictions. Design options and pursuit of different alternatives may change dependent on conversations with EGLE and their ultimate resolution.

2027 Boardwalk Design Fee:

Reinspection: 48 Hours at Senior Engineer Rate	= 48 x $175.00	= $8,400.00
Boardwalks 7, 11, 14, 15, 19, 27, and 31 Construction Estimate	=$2,558,871.00 x 8%	= $204,709.68
TOTAL		= $213,109.68

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