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May 8, 2026

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GLWA COMPLETES WORK ON \$12.8 MILLION PROJECT TO RENEW AND REPLACE SECTIONS OF ITS 42-INCH WATER TRANSMISSION MAIN ON 14 MILE ROAD

- *Project completed on time and within the \$12.8 million budget*
- *Work included both the renewal and replacement of water main, as well as the installation of innovative technology to a section of the water main to help predict future breaks before they occur*
- *Road restoration has started and will be completed in phases by the end of June*

DETROIT – The Great Lakes Water Authority (GLWA) has completed work on a \$12.8 million project to renew and replace sections of its 42-inch transmission main along 14 Mile Road from just west of M-5 to Walled Lake. The project also included the first installation of an acoustic fiber optic monitoring system by a water utility in Michigan.

Done to improve system resiliency after three major breaks on this main in the last seven years, the project was completed on time and within budget. The project was developed in collaboration with GLWA’s member partner communities of Commerce Township, Walled Lake, Wixom and Novi – all of whom have been significantly impacted by the previous breaks.

The project included:

- Replacing more than a mile (221 20-foot segments/5,460 linear feet) of prestressed concrete cylinder pipe (PCCP) with new steel pipe was replaced
- Renewing 97 feet of PCCP with carbon fiber reinforced polymer (CFRP). The carbon fiber renewal will extend the life of the pipe by approximately 50 years;
- Installing an acoustic fiber optic monitoring system in a section of 42-inch PCCP pipe along 14 Mile Road from just east of Walled Lake to GLWA’s Wixom Booster Station at Maple and Beck Roads to detect the sound of wire breaks, which can help predict future failures before they occur.

“I want to express my thanks to everyone – especially those who live or own a business along 14 Mile Road in the impacted area – for their patience over the last seven months as we have worked to complete work on this critical project,” said Suzanne R. Coffey, Chief

Executive Officer, GLWA. “We don’t take the disruption our projects cause lightly and move as quickly and safely as we can to complete our work.”

With the project now complete, road restoration is underway. Road restoration is a three-step process: laying down stone aggregate base within the open-cut areas, forming/pouring curbs and driveway approaches, and laying new asphalt. There is also setting/curing time involved in some of the steps.

Crews are completing road restoration in two phases: Phase 1, which is currently underway, is from Beachwalk Drive to Centennial Road, and Phase 2 is from Centennial Road to just west of M-5. Phases 1 and 2 may overlap. Full road restoration is expected to be complete by the end of June.

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About the Great Lakes Water Authority (GLWA)

The Great Lakes Water Authority (GLWA) is the provider-of-choice for drinking water services to nearly 40 percent, and efficient and effective wastewater services to nearly 30 percent, of Michigan’s population. With the Great Lakes as source water, GLWA is uniquely positioned to provide those it serves with water of unquestionable quality. GLWA also has the capacity to extend its services beyond its 88 member partner communities. As part of its commitment to water affordability, the Authority offers a Water Residential Assistance Program to assist low-income households in participating member communities throughout the system. GLWA’s board includes one representative each from Oakland, Macomb, and Wayne counties, two representatives from the city of Detroit, and one appointed by the Michigan governor to represent member partner communities outside of the tri-county area.