



## **42-inch Water Transmission Main on 14 Mile Road Replacement and Renewal Project FAQs**

### **What is the main purpose of the 42-inch main replacement project?**

*The Great Lakes Water Authority (GLWA), in collaboration with its member partner communities of Commerce Township, Walled Lake, Wixom and Novi, has developed an action plan to continue building resiliency in the regional system after a 42-inch water transmission main unexpectedly failed on 14 Mile Road, west of M5, at the end of September. This plan was developed based on extensive data garnered from the recent inspection of nearly four miles of this transmission main.*

*Because this transmission main has seen three significant breaks in the last seven years it is critical that GLWA take an aggressive approach to addressing the results of recent inspection work that was conducted.*

*The main goal of the work is to replace and renew approximately one mile of pipe*

### **When will the project begin?**

*The project will begin with design work in November and will break ground in mid-January 2026.*

### **When is the expected project completion?**

*All phases of the project, including road restoration are expected to be complete by the end of June 2026.*

### **What are the three phases of the project?**

**Phase One:** *Replaces 260 linear feet of prestressed concrete cylinder pipe (PCCP) on 14 Mile Road in front of Beachwalk Drive with new steel pipe and will also internally wrap multiple sections of PCCP with carbon fiber reinforced polymer in two areas (at Ladd Road and W. Maple Road and on 14 Mile Road at Beachwalk Drive). The carbon fiber renewal will extend the life of the pipe by approximately 50 years. Subject to approval by the Michigan Department of Environment, Great Lakes and Energy, GLWA is also planning to install an*

*acoustic fiber optic monitoring system in these reinforced pipes to detect the sound of wire breaks, which can help predict future failures before they occur. Phase one is scheduled to occur mid-January through mid-February 2026.*

**Phase Two:** *Replaces 240 linear feet of PCCP with new steel pipe on 14 Mile Road immediately west of M-5. It is scheduled to occur from mid-January through the beginning of March 2026.*

**Phase Three:** *Replaces nearly one mile of PCCP with new steel pipe on 14 Mile Road between M-5 and Novi/Decker Road. Phase three is scheduled to occur from mid-January through late April 2026.*

### **Will traffic be impacted?**

*Traffic impacts will occur throughout the three phases of the project including lane closures, but the largest impact will take place during the direct pipe replacement from just west of Novi Road/Decker Road that ends just west of M-5. Residents will be notified of traffic updates well in advance of their implementation. GLWA will share detour maps and information on their website.*

### **Will my water be impacted by the construction?**

*There is no expectation of any impact to your water service during construction.*

### **How much will this project cost?**

*GLWA estimates that it will be investing \$12.8 million in this critical infrastructure resiliency work.*

### **What else has GLWA done to build resiliency in this area of the regional system?**

*Within the last year, GLWA also completed a more than \$110 million redundancy loop project in the water transmission system which allowed restoration of water service to the communities served by the failed main much more quickly than in previous breaks.*

### **How can I find regular updates regarding the work on 14 Mile Road?**

*GLWA will be providing regular updates to the community on their social media accounts, as well as on the project webpage.*

*Visit the project webpage at <https://www.glwater.org/14milemainproject/> or scan the QR code below.*

