ROSEMOUNT ROAD BRIDGE 4 REPLACEMENT

OPS23001

AS PART OF THE TAY TOWNSHIP 2025 CAPITAL BUDGET

OPERATIONAL SERVICES



Project Summary

The Rosemount Bridge 4 Replacement project, located south of Highway 12, was a major infrastructure upgrade designed to replace the existing bridge, which had reached the end of its service life. The original bridge was a narrow, single-lane bridge, while the new bridge was widened to accommodate two lanes. This project was a carry forward from the Rosemount Bridge 5 project in 2024. The total cost of the project was $722,120.



Project Timeline

- Start Date: July 7, 2025
- Bridge Completion Date: July 21, 2025
- Paving Date: July 31, 2025



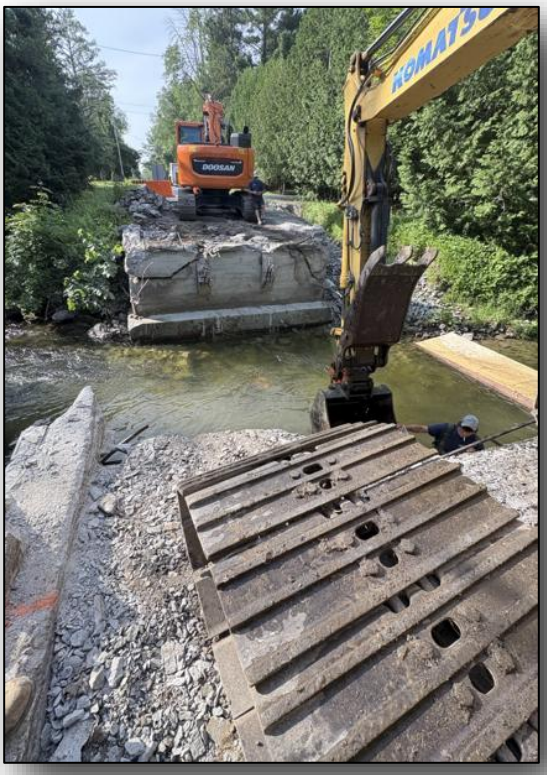
Scope of the Project

The single-lane cast-in-place concrete bridge from 1932 was replaced with a new 15.24m (50 ft) ASTM 588 steel bridge, designed for double lanes and built in place with a crane. New guard rails and signage were installed.

The road was widened to accommodate a double-lane bridge and the area was paved up to the bridge. A new culvert was installed on the South side to allow drainage. Restoration included ditch clearing and rip-rap placement.

Drainage Improvements

- Shoulder Grading: The shoulders of the road were graded to direct runoff away from the road surface and towards the ditches, helping to prevent water accumulation and potential road damage.
- Cross Culvert Replacement: A new cross culvert was installed on the East side of the bridge to create a small driveway for maintenance.
- Ditch Definition: The ditches were cleared and redefined with gabion material to finish. This work was done to improve drainage, ensuring that water runoff would flow efficiently away from the road, preventing erosion and maintaining the integrity of the road surface.
- There have been a few complaints about noise from the bridge. Staff and the contractor are reviewing the issue to see if anything can be done to reduce it, though there may not be a practical solution.



Bridge demolition



Road grading, prior to asphalt placement

BUDGET SUMMARY

- 2024 Amount Carried Forward: $995,366
- 2025 Capital Budget Cost: $ 1,660,000
- 2025 Actual Year to Date Cost: $722,120

Rosemount Bridge 4 Replacement Cost Breakdown:

○ Bridge Materials – supply, mobilization, installation	$285,589
○ Construction & Engineering Services	$392,952
○ Earthworks – gravel, trucks, and equipment	$14,247
○ Culverts	$1,042
○ Surveying	$2,849
○ 60mm HL-4 Asphalt	$25,440
Subtotal	*$722,101*



Existing one lane bridge *New double lane bridge (now paved)*