



City of Hamilton Report for Consideration

To: Chair and Members
Public Works Committee

Date: July 7, 2025

Report No: PW25047

Subject/Title: Sherman Cut Steel Wall Replacement and Road Resurfacing - Request for Additional Funding

Ward(s) Affected: Wards 3 and 7

Recommendations

- 1) That an additional \$750,000 in capital funding **BE APPROVED** for the Sherman Cut Steel Wall replacement and road resurfacing project to meet the revised total construction estimate of \$4,600,000.
- 2) That the General Manager, Public Works, or designate, **BE AUTHORIZED** to appropriate the additional funds from project Bridge 108 - Indian Trail, 1025m w/o Lynden Rd (4031818108) and Contaminated Soil & Rock Disposal Program (4032314405) to the Sherman Cut Steel Wall Replacement (4032417945) to support the tender of this project in 2025.

Key Facts

- The purpose of this report is to request an additional \$750,000 in funding for the replacement of the Sherman Cut steel walls and road resurfacing from Crockett St to Sherman Access (see Appendix "A" to Report PW25047).
- The project budget increase can be funded through re-appropriations from two other projects, one which was completed under budget, and therefore there is no net impact to the 2025 capital budget and the other an annual project with available approved budget.

Financial Considerations

The total requested budget increase for the Sherman Cut Steel Wall Replacement (4032417945) is \$750,000. The funding includes \$600,000 from Bridge 108 - Indian Trail, 1025m w/o Lynden Rd (4031818108) which has realized a Tender Surplus and \$150,000 from Contaminated Soil & Rock Disposal Program (4032314405) which has an available budget for this purpose.

Background

An inspection of the Sherman Cut steel walls beneath the Concession St and Mountain Park Ave bridges was completed based on the Ontario Structure Inspection Manual (OSIM) in 2020. The inspection and associated report identified severe corrosion and deterioration of the steel walls, necessitating their removal and replacement. Several sections of the existing steel wall have already failed. Additionally, the pavement on Sherman Cut exhibits signs of wear and deterioration, requiring resurfacing, along with ditches reconstruction to restore proper drainage.

Based on the OSIM report, \$3,850,000 of funding for the work to complete the necessary repairs was approved as part of the 2024 Budget.

Through geotechnical investigations during the design phase a requirement for deeper foundation caissons for steel posts, due to poor rock quality on Sherman Cut was identified. Additionally, the scope now includes extending wall panels beneath the Concession Street and Mountain Park Avenue bridges to cover over eroded rock areas, along with installation of extra rock anchors to enhance the structural stability of these panels. This additional scope is necessary to ensure long term safety of the users of the adjacent roadway. As a result, the revised construction cost estimate is \$4,600,000.

Analysis

- The Sherman Cut project requires a lead time of three to four months for material procurement, including the design, fabrication, and delivery of precast concrete walls and steel posts, as well as the acquisition of specialized equipment necessary for construction.
- Securing additional funds for the project now, will allow the project to be tendered in 2025 and completed in 2026, as planned. This project's timing has been coordinated with other escarpment projects and proceeding in 2026 is critical to avoid broader impacts on the program.
- Funding is available within the Transportation Network as a result of favourable pricing on other projects.
- The Procurement Bylaw allows appropriation of funds between accounts, and for an amount above \$250,000, approval by Council is required.

- Securing the additional funds will enable tendering this year, help to attract competitive bids, and allow the contractor ample time to mobilize for construction in 2026.

Alternatives

Alternatively, funding could be requested as part of the 2026 budget cycle. This option is not recommended as it would impact the timing of the related Sherman Access construction project. It would also have a compounding effect on the timing of other escarpment access projects.

Relationship to Council Strategic Priorities

1. Sustainable Economic & Ecological Development
 - Reconstruction of existing ditches on the Sherman Cut will improve the drainage flow.
2. Safe & Thriving Neighbourhoods
 - The existing steel walls are deteriorating, and their performance issues require removal and replacement, which will improve safety.
 - Resurfacing of Sherman Cut will address the existing cracks and potholes, ensuring a smooth driving experience.
3. Responsiveness & Transparency
 - Engaging with stakeholders supports a well-coordinated approach to capital project programming, promoting alignment across various initiatives.

Previous Reports Submitted

No previous reports have been submitted on this project.

Consultation

Internal:

Engineering Services Division
Transportation Division
Environmental Services Division
Transit
Procurement
Corporate Services

External:

Hamilton Health Sciences (Juravinski Hospital)

Appendices and Schedules Attached

Appendix A: Project Report Map

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Public Works, Engineering Services, Design Services

**Submitted and
recommended by:** Brian Hollingworth, Acting Director
Public Works, Engineering Services