

TO: Public Works Committee
FROM: Mary Heather Ames, Assistant Transportation and Engineering Director
DATE: February 22, 2024
SUBJECT: R2024-003, Amending the 2024-2029 Six-Year Transportation Improvement Program

1) Recommended Action:

Staff requests the Public Works Committee review and provide comments on the proposed amendment to the 2024-2029 Six-Year Transportation Improvement Program (TIP).

A public hearing before the full City Council is planned for Tuesday, March 5, 2024, to consider Resolution No. R2024-003, amending the City's Six-Year Transportation Improvement Program for 2024-2029.

2) Background:

The 2024-2029 TIP was adopted in June of 2023. Staff is proposing an amendment to the 2024-2029 Six-Year TIP to address new circumstances brought to light based on a technical analysis.

Percival Creek crosses Somerset Hill Dr between Tyndell Circle SW and Thorpe Drive SW via an aluminum culvert. The existing culvert is listed as a partial barrier to fish-passage due to flow velocities. The culvert is placed perpendicular to the roadway, even though the stream alignment is skewed on either side of the road. This reach of Percival Creek is located within a confined ravine, which limits channel movement. The existing culvert directs flows to the right bank of the ravine, immediately downstream of the culvert outlet. This has resulted in excessive erosion along the right bank of the ravine and stream channel, forcing the stream out of its historic channel.

In June of 2023, a consultant conducted a Type, Size, and Location Study for the Percival Creek crossing under Somerset Hill Drive. Based on the study, a project has been developed to replace the current partial barrier with a 60' to 90' bridge. The bridge will allow for unimpeded fish and wildlife habitat and passage at the crossing. It will also allow Percival Creek sufficient space to meander and change sediment deposition and bankfull width over time.

This amendment will add the Somerset Hill Fish Passage Barrier Removal project to the 2024-2029 TIP in anticipation of grant application and potential grant funding.

3) Policy Support:

Goals & Priorities 2023-2024

- B. Be a Leader in Environmental Sustainability – 12. Remove obstructions to fish passage.
 - C. Create and Maintain a Transportation System Safe for All Modes of Travel
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4) Alternatives:

- ☐ Recommend the public hearing address the amendment as presented.
- ☐ Recommend revisions to the TIP amendment.

5) Fiscal Notes:

The Somerset Hill Fish Passage Barrier Removal project is planned to be fully paid through grant funding.

6) Attachments:

- A. DRAFT Resolution No. R2024-003
- B. DRAFT Amended Six-Year TIP Project Map, 2024-2029