



City of Richmond

Report to Committee

To: Public Works and Transportation Committee

Date: August 4, 2023

From: Milton Chan, P.Eng
Director, Engineering

File: 10-6000-01/2023-Vol
01

Re: Cambie Road Overpass Repair

Staff Recommendation

That funding of \$1,400,000 from the MRN Rehabilitation Provision for the Cambie Road Overpass repair be approved and that the Consolidated 5 Year Financial Plan (2023-2027) be amended accordingly, as detailed in the report titled "Cambie Road Overpass Repair" dated August 4, 2023, from the Director, Engineering.

Milton Chan, P.Eng
Director, Engineering
(604-276-4377)

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Law	<input checked="" type="checkbox"/>	
Roads & Construction	<input checked="" type="checkbox"/>	
Finance	<input checked="" type="checkbox"/>	
SENIOR STAFF REPORT REVIEW	INITIALS:	APPROVED BY CAO

Staff Report

Origin

On February 10, 2023, a commercial dump truck travelling southbound on Knight Street hit the north-facing edge of the Cambie Road Overpass.

This report supports Council's Strategic Plan 2022-2026 Focus Area #3 A Safe and Prepared Community:

3.4 Ensure civic infrastructure, assets and resources are effectively maintained and continue to meet the needs of the community as it grows.

Analysis

The Cambie Road Overpass was struck by a commercial dump truck travelling southbound on Knight Street with its bed raised, causing damage to the north edge of the overpass.

A structural engineer was retained to assess the damage caused by this incident and it was determined the overpass was safe to remain open to the travelling public. However, damage occurred to the sidewalk and northernmost vehicle lane and, as a result, these areas have remained closed to public access while engineering work has been completed to determine a permanent repair.

The proposed repair work will include removal of all damaged infrastructure and replacement of the concrete, all structural elements, curbing, handrails and signage. As this damage was the result of a third party motor vehicle accident, the City is seeking compensation for all damages to the City property, as well as all repair costs through legal channels and negotiations with ICBC.

The costs for this repair are estimated at \$1,400,000, including engineering design and construction works.

Financial Impact

The total estimated capital cost for the repair of the Cambie Road Overpass is \$1,400,000. A temporary funding source from a previously Council approved project (Top 20 Collision Prone Intersections - Implementation of Medium-/Long-term Improvements) will be utilized to fund the repair until the Consolidated 5 Year Financial Plan (2023-2027) can be amended with \$1,400,000 to be funded by the Major Road Network (MRN) Rehabilitation Provision. The City is seeking compensation for all damages to City property, as well as all repair costs and other expenses through negotiations with ICBC. City staff have engaged with an independent adjuster and a construction cost surveyor to meet all insurance and legal standards. Any compensation received will reduce the City's funding of the project and any excess funding will be returned to the original funding source upon project completion.

Conclusion

The Cambie Road Overpass is in need of repair. Staff will be using a temporary funding source from a previously Council approved project (Top 20 Collision Prone Intersections - Implementation of Medium-/Long-term Improvements) to fund the repair. Staff recommend that funding for the repair work be provided from the MRN Rehabilitation Provision.

A handwritten signature in blue ink, appearing to read 'K. Roberts', is written over the text area.

Kevin Roberts, P.Eng.
Acting Manager, Engineering Design and Construction
(604-204-8512)