

**TO:** MAYOR & COUNCIL  
**FROM:** GENERAL MANAGER ENGINEERING  
**SUBJECT:** **BURNABY LAKE OVERPASS – UPDATE**  
**PURPOSE:** To provide Council with an update on the Burnaby Lake Overpass and to seek direction to proceed with the exterior finishes of the project.

### **RECOMMENDATION**

**THAT** the report titled “Burnaby Lake Overpass – Update” dated September 11, 2023, be received for information; and

**THAT** the Exterior Overpass Finishes, as outlined in Section 3.2 of the report titled “Burnaby Lake Overpass – Update” dated September 11, 2023, be endorsed.

### **CHIEF ADMINISTRATIVE OFFICER’S COMMENTS**

I concur with the recommendations of the General Manager Engineering.

#### **1.0 POLICY SECTION**

The proposed pedestrian-cyclist overpass, “Burnaby Lake Overpass,” is aligned with the targets outlined in the Burnaby Transportation Plan and will contribute to the City’s Priority Cycle Network and strengthen the regional active transportation connections.

#### **2.0 BACKGROUND**

At the November 21, 2022 Council Meeting, Council directed staff to proceed with the detailed design of Option 1 for the proposed Burnaby Lake Overpass, which connects to the trailhead at Glencarin Drive at the north landing and existing park space near Claude Avenue and McCarthy Court on the south landing. The City has retained McElhanney Ltd. with Fast + Epp and VIA Architecture as the lead design team along with Jacobs Bros Construction as the Construction Manager. The Burnaby Lake Overpass is now in its final stage of detailed design with the tender process anticipated to commence by the end of September 2023.

#### **3.0 PROJECT UPDATE**

As the project is nearing the completion of the detailed design phase, the following key components are highlighted for information.

**3.1. Lighting and Security Measures to Enhance Pedestrian-Cyclist Safety**

As part of the overall design criteria, the safety of pedestrian and cyclist movements and comfort levels are prioritized. Hence, enhanced lighting and security measures with closed circuit television (CCTV) cameras have been integrated into the design of the overpass.

**3.2. Exterior Overpass Finishes**

Colour and finishing options for the overpass were reviewed based on maintenance aspects and construction constraints. Finishes with painted white or other colours will be susceptible to colour changes and weather damages, which may be difficult to repair and could lead to corrosion of the structure. Construction will also require more time and effort due to the needs to paint the structure onsite, which can be impacted by weather.

Upon further technical assessment, weather steel is recommended for the exterior overpass finish. Weather steel is an extremely durable and resistant material that is low maintenance with a long lifespan estimated at over 120 years. The steel material is also sustainable with lower toxicity in comparison to paint, and the option for anti-graffiti coatings is available for ease of maintenance. In addition, the construction time can also be shortened as a result of no painting required onsite. Given the natural environment surrounding the Burnaby Lake Overpass, the weather steel finishing is also aesthetically fitting with the natural context of the site. Further illustrations of the weather steel finish are provided in Attachment 1.

**3.3. Public Restroom**

As part of the Burnaby Lake Regional Park plan for Metro Vancouver, the Glencarin Day Use Area to the west of the proposed overpass on the north side of Highway 1 will include a future public washroom. The timeline for completion as indicated by Metro Vancouver will be three to five years, which aligns with the completion of the Burnaby Lake Overpass. In addition, a public washroom location near the south landing of the overpass is being assessed with Parks, Recreation and Culture.

**4.0 NEXT STEPS**

The tender process for the proposed Burnaby Lake Overpass is targeted to commence by the end of September 2023. During the tender process, the steel fabrication work will be confirmed with one of the following local companies, including:

- Supreme Steel and George Third & Son.
- Solid Rock Steel Fabricating Co. Ltd.
- ADF Group Inc.
- Saskarc Group Inc.

In addition, the Heritage permit has been received and requirements as set out by the Ministry of Transportation and Infrastructure have been met. Ground preparation and vegetation clearing is anticipated to begin by September 2023 with major excavation work expected to commence in Spring 2024.

**5.0 COMMUNICATION AND COMMUNITY ENGAGEMENT**

During the project planning process, the City engaged with the community with in-person events and an online survey that was set up on the City’s “Your Voice” project website. As the project progresses, a dedicated website has been set up to provide ongoing updates on progress and milestones.

**6.0 FINANCIAL CONSIDERATIONS**

The Burnaby Lake Overpass is included in the City’s capital budget for 2023 – 2027. The City has a cost-sharing agreement with the provincial and federal governments through Investing in Canada Infrastructure Program (ICIP) – Community, Culture and Recreation Project for \$6.87M. The remaining costs for this project are expected to be funded through the City capital budget and third party contribution.

Respectfully submitted,

Jozsef Dioszeghy, P.Eng, General Manager Engineering

**ATTACHMENTS**

Attachment 1 – Exterior Overpass Finish – Weather Steel Arch

**REPORT CONTRIBUTORS**

This report was prepared by Kathy Ho, P.Eng., PTOE, Senior Manager, Transportation, and reviewed by Amy Choh, P.Eng., PMP, Director Engineering Transportation.

**Attachment 1 – Exterior Overpass Finish – Weather Steel Arch**



