

THE CORPORATION OF THE
CITY OF WHITE ROCK
CORPORATE REPORT



DATE: January 13, 2025

TO: Mayor and Council

FROM: Corrine Haer, P.Eng., Manager, Engineering

SUBJECT: Traffic Calming Updates and Contract Award – Pedestrian Activated Crosswalk at Oxford Street and Russell Avenue

RECOMMENDATIONS

THAT Council receive the corporate report dated January 13, 2025, from the Manager of Engineering, titled “Traffic Calming Updates and Contract Award – Pedestrian Activated Crosswalk at Oxford Street and Russell Avenue” and

1. Approve a \$100,000 transfer from general fund capital contingency to support the pedestrian activated crosswalk for the Oxford Street and Russell Avenue Project;
 2. Approve the award of the construction of the pedestrian activated crosswalk at Oxford Street and Russell Avenue to S. McKay Contracting Ltd. in the amount of \$241,845 (excluding GST);
 3. Approve additional construction support to TWD Technologies Ltd. in the amount of \$10,000 (excluding GST);
 4. Authorize the pre-approved contingency in the amount of \$55,045 (approximately 20%) to support the Project; and
 5. Authorize the Director of Engineering and Municipal Operations to execute all contract documentation required for the Project.
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EXECUTIVE SUMMARY

The purpose of this corporate report is to provide traffic calming updates and to obtain Council approval to award the pedestrian activated crosswalk at Oxford Street and Russell Avenue to S. McKay Contracting Ltd. in the amount of \$241,845 (excluding GST).

INTRODUCTION/BACKGROUND

This Project aims to enhance safety by installing Rectangular Rapid Flashing Beacons (RRFB) at the intersection of Oxford Street and Russell Avenue.

The City received numerous complaints about conditions at this intersection. In response to the community's concerns, a traffic study was conducted to assess pedestrian safety improvements. The study recommended the implementation of an RRFB pedestrian crosswalk.

Working with a consultant, City staff designed a plan that improves safety while minimizing impacts to private property and existing trees. The Project has also been coordinated with

proposed development work to the south of the Project area. The proposed safety improvements (Attachment A) include:

- Curb bulges and a protected intersection for pedestrians and cyclists.
- Signage, road markings, and road reflectors.
- Rectangular Rapid Flashing Beacons (RRFB) with push-button pedestals on both the north and south leg of the intersection.

In addition to the pedestrian activated crosswalk at Oxford Street and Russell Avenue, several high-priority, short-term traffic calming projects are underway in alignment with the traffic calming report endorsed by Council on February 12, 2024:

- **Thrift Avenue & George Street:** Installed a 4-way stop.
- **Roper Avenue & George Street:** Installed a zebra crosswalk crossing on George at Roper by City crews.
- **Emerson Park:** Finalized design for two flashing speed signs and 'Max 30km/h' signs bookending the park, to be installed in the coming weeks. These signs were funded through an ICBC grant.
- **Marine Drive between Stayte Road and Finlay Street:** Upgraded the flashing speed sign at Stayte Road and Marine Drive, funded through an ICBC grant. Temporary curb bulges at this location and at Stayte Road and Parker Street are being discussed with Surrey as a pilot project to further reduce traffic speed through the corridor.
- **North Bluff between Best Street and Finlay Street:** Purchased a new flashing speed sign to be installed on the White Rock side of North Bluff, funded through an ICBC grant.
- **Buena Vista Avenue & Vidal Street:** Parks department pruned vegetation to improve sight distances.
- **Best Street & Russell Avenue:** Parallel crosswalks to be installed by City crews in the coming weeks.
- **Everall Street & Hardie Avenue:** Purchased a new flashing speed sign to be installed in the coming months, funded through an ICBC grant.

ANALYSIS

TWD Technologies Ltd. was retained to design the Project and provide tendering support. A construction tender was issued to eight (8) contractors with a tender submission closing date of December 13, 2024.

The City received four (4) bids, and the results are summarized in the table below.

Table 1 - Bid Summary

Contractor	Price (excluding GST)
S. McKay Contracting Ltd.	\$241,845
MAREX Constructors Inc.	\$305,871
TAG Construction Ltd.	\$327,000
M&M Excavating Services Ltd.	\$330,000

Staff, TWD Technologies and their subconsultant, H.Y. Engineering Ltd., reviewed the proposals and determined that S. McKay Contracting Ltd. will provide best overall value to the City. Aside from being the lowest overall price, S. McKay Contracting Ltd. demonstrated a good understanding of the Project scope in line with expectations.

Staff recommend awarding this Project to S. McKay Contracting Ltd. for a total of \$241,850. If approved, staff will provide notification to the nearby residents and will aim to begin construction this Spring.

FINANCIAL IMPLICATIONS

This Project is included in the 2024/2025 Financial Plan in the amount of \$168K. TransLink has provided a \$52K grant towards this Project and ICBC has provided a \$16K grant towards this Project (included in the \$168K noted). There are additional funds available in the Miscellaneous Pedestrian Improvements budget for this Project and staff recommend Council approve an additional \$100,000 transfer from general fund capital contingency to support this Project. The funding from the Miscellaneous Pedestrian Improvements and Capital Contingency Projects will be carried forward from 2024 to 2025. There are funds available to support this work.

A summary of the Project budget is as follows:

Table 2 – Project Budget

	Total
Oxford – Thrift to Russell (01-2-40088-0545)	\$168,000
Miscellaneous Pedestrian Improvements (01-2-35066-0545)	\$71,000
General Fund Contingency	\$100,000
Total available budget	\$339,000
Spent/committed to date (as of December 31, 2024)	\$32,110
Construction support (TWD Technologies Ltd.)	\$10,000
Construction (S. McKay Contracting Ltd.)	\$241,845
Subtotal	\$283,955
Contingency (approx. 20%)	\$55,045
Total Project Cost	\$339,000

LEGAL IMPLICATIONS

No legal implications are anticipated. Staff request authorization for the Director of Engineering and Municipal Operations to execute all contract documentation required for the Project.

COMMUNICATION AND COMMUNITY ENGAGEMENT IMPLICATIONS

Engineering staff will work with Communications staff to deliver letters to the adjacent community regarding this Project prior to construction.

ALIGNMENT WITH STRATEGIC PRIORITIES

This Project is a Council Strategic Priority Project and is in alignment with the Infrastructure Strategic Priority that identifies that the City plan, build and maintain infrastructure to enhance quality of life and civic service delivery while mitigating and adapting to environmental impacts. Specifically, this Project ensures future infrastructure resiliency by making decisions through a long-term lens.

OPTIONS / RISKS / ALTERNATIVES

The following alternate option is available for Council's consideration:

1. Not approve the recommendation to award the work. This may result in compromising public and road safety at Russell Avenue and Oxford Street. Without the crosswalk, pedestrians may continue to cross at unsafe locations, increasing the risk of accidents and injuries.

CONCLUSION

Staff recommend that the pedestrian activated crosswalk at Oxford Street and Russell Avenue be awarded to S. McKay Contracting Ltd. in the amount of \$241,845 (excluding GST) and that \$10,000 be awarded for additional construction support to TWD Technologies Ltd.

Staff also request a preauthorized contingency in the amount of \$55,045 (approximately 20% of the total Project cost) to support the Project. Additionally, staff recommend that the Director of Engineering & Municipal Operations be authorized to execute all contract documentation required for the Project to proceed.

To move forward with this, Staff recommend Council approve a transfer of \$100,000 from General Fund Capital Contingency to this Project.

Respectfully submitted,



Corrine Haer, P.Eng
Manager, Engineering

Comments from the Acting Chief Administrative Officer

I concur with the recommendations of this corporate report.

A handwritten signature in black ink, appearing to read "Jim Gordon", is centered on the page. The signature is fluid and cursive, with a long horizontal stroke at the end.

Jim Gordon, P. Eng.
Director, Engineering & Municipal Operations
Acting Chief Administrative Officer

Appendix A: Proposed Safety Improvements

APPENDIX A
Proposed Safety Improvements

Russell Avenue and Oxford Street Intersection Upgrade

