

Municipality of Lakeshore – Report to Council

Operations

Energy Management and Utilities



To: Mayor & Members of Council
From: Marco Villella, P.Eng., Division Leader – Energy Management and Utilities
Date: March 26, 2024
Subject: Pedestrian Crossing Update – Oakwood Avenue

Recommendation

Approve the crossing guard location effective September 2024, in the amount of \$4,500.00 to be funded from the 2024 crossing guard budget, as presented at the April 9, 2024 Council meeting.

Background

At the September 26, 2023 Council Meeting, Administration brought forward a report related to the implementation of two (2) pedestrian crossovers (PXOs) as identified in the Emeryville Secondary Plan (Draft). Included in this report was the warrant analysis of a school crossing guard on Oakwood Avenue, near the Lakeshore Discovery Elementary School.

Based on the recommendation in the report, the below resolution was passed:

Resolution #269-09-2023

Direct Administration to proceed with the design and engineering of two (2) pedestrian crossovers (PXOs) and the warrant analysis of a school crossing guard for Oakwood Avenue; and

Approve funding in the amount of \$25,000 (including applicable HST) to complete the design work and warrant analysis, as presented at the September 26, 2023 Council meeting.

Comments

Based on the above resolution, Administration retained Paradigm Transportation Solutions in October 2023 to undertake the design and engineering analysis of the Oakwood Avenue corridor between I.C. Roy Drive and Rourke Line.

The following recommendations were made by the consultant with regards to traffic safety improvements near Lakeshore Discovery Elementary School:

1. Upgrade the existing “Wait for Gap” crossing on I.C. Roy just north of Mancini Drive to a Level 2, Type D PXO with a crossing guard. This will convert the existing pedestrian yield to traffic to a traffic yield to pedestrian at this location. Existing crossing guard to remain.
2. Installation of a new Level 2, Type D PXO on Oakwood Avenue just east of Magnolia Drive with a new crossing guard.

The above proposed PXO locations and specifications are attached to this report in Attachment 1.

A Level 2 Type D PXO contains side-mounted regulatory and warning signs, and pavement markings. This type of PXO does not require flashing beacons. The Level 2 Type D PXO may be upgraded to a Level 2 Type C with flashing beacons in the future as growth proceeds and traffic increases along the Oakwood corridor and warrants exist to warrant a higher level of pedestrian treatment.

As future residential lands get developed between St. Anne Drive and Renaud Line, an additional pedestrian crossing is expected (and as identified in the Emeryville Secondary Plan (draft)). The exact location of this pedestrian crossing is best to be determined once the road network and development progresses in this area. It is expected that this demand will be near the St. Anne Drive intersection or at the future new mid-block intersection just east of St. Anne Drive.

A crossing guard at the intersection of I.C. Roy Drive and Oakwood Avenue was investigated and it is not warranted at this time. The existing traffic signals at this intersection serve as a controlled crossing for pedestrians. Considering that there will now be two (2) crossing guards serving the area once all recommendations are fully implemented this will be an adequate amount of crossing guard presence for pedestrian traffic.

The next step will be for Administration to move forward with implementation of the modifications to the PXO on I.C. Roy Drive and the installation of the new PXO on Oakwood Avenue, as proposed. Public Works staff will be installing any signage and will be administering the pavement markings and line painting through our typical vendor for these services. Any concrete pavement works will be added to the Municipality’s sidewalk tender as additional scope for completion by the successful bidder.

The crossing guard operation will continue at the I.C. Roy Drive and Mancini Drive location. A new crossing guard is required to be recruited by the Municipality and will

follow upon completion of the pedestrian crossing at Oakwood Avenue and Magnolia Drive (anticipated for commencement of school in September).

Paradigm Transportation Solutions has prepared a traffic overview presentation and has been attached to this report (Attachment 2).

Others Consulted

Paradigm Transportation Solutions was consulted.

Financial Impacts

Council approved the amount of \$80,000.00 for the installation of two (2) PXOs on Oakwood Avenue in the 2024 budget. Reimbursement from developers for a portion of these works will be recovered as future development proceeds.

At this time no further funds are anticipated to be required as the second PXO will be installed as development proceeds to the east and additional costs can be brought forward at a later date, if required, pending the reimbursement costs collected and the remainder of the 2024 budget dollars (to be encumbered until warranted).

If the location is approved, the crossing guard is anticipated to start at the beginning of the new school year (September 2024), the cost will be approximately \$4,500.00 for 2024. This will be funded from the crossing guard budget.

The cost for the crossing guard is approximately \$10,000 annually. This will be included in the 2025 (and subsequent) budgets, as required.

Attachments

Attachment 1: Level 2, Type D PXO Drawings

Attachment 2: Oakwood Pedestrian Crossing Study – Council Presentation

Report Approval Details

Document Title:	Pedestrian Crossing Update - Oakwood Avenue.docx
Attachments:	- Level 2, Type D PXO Drawings.pdf - Oakwood Pedestrian Crossing Study - Council Presentation.pdf
Final Approval Date:	Apr 4, 2024

This report and all of its attachments were approved and signed as outlined below:

Prepared by Marco Vilella

Submitted by Krystal Kalbol

Approved by Justin Rousseau and Truper McBride