

Report to Council

Report Title: Recommendation for Crosswalk at Hinks St and Cemetery Road Corner

Prepared By: Cally Mann, Municipal Executive Coordinator

Department: Operations

Date: August 11, 2020

Report Number: PW2020-22

File Number: C11PW

Attachments:

Recommendation:

That the Council of the Municipality of Brockton hereby receives Report Number PW2020-22 – Recommendation for Crosswalk at Hinks St and Cemetery Road Corner, prepared by Cally Mann, Municipal Executive Coordinator, and in doing so directs staff to proceed with Option 3 - Install two (2) additional stop signs and complete additional road painting for the crosswalk.

Report:

Background:

As requested by Council on July 14th, 2020, staff investigated the possible solutions for a potential crosswalk at the corner of Hinks Street and Cemetery Road in Walkerton.

Brockton Council Report CLK2020-07 states: “As a result of the invitation for public comments a suggestion was also made to include a Crosswalk Designation at the intersection of Hinks Street and Cemetery Road in order for residents to access the Child Care Centre and schools with increased traffic heading into the Fischer Dairy Road Subdivision. Upon consultation with Roads Supervisor, John Strader, the designation would be an estimated cost of \$15,000-18,000, which was not included in the 2020 Budget. Further, investigation including traffic counts and an analysis of the intersection would need to be obtained if Council desired to move forward with this installation prior to being included in the provision of the Consolidated Traffic and Parking By-Law. Staff require further direction from Council if they wish to proceed on this matter.”

Analysis:

Staff have gathered multiple quotes for a variety of options, which include:

1. Crosswalk Lights using Push Button
2. Crosswalk Lights using Thermal Detection and Push Button
3. Adding Two Additional Stop Signs

4. Hiring Two Crossing Guards

Line painting will need to be completed regardless of the chosen option. The cost, although minor, is not included in any of the options.

Option 1: Crosswalk Lights using Push Button

Similar to the crosswalk that was installed on Hinks Road, option one is the traditional crosswalk using a push button to activate the lights or beacons to signal a pedestrian crossing. Staff were able to obtain quotes for the various options, including LED beacons, LED light borders, light bars, etc. The costs for the materials ranged from \$5,543.78 up to \$11,251.68, this does not include shipping or installation. As mentioned in Council Report # CLK2020-07 (March 2020), the estimated total cost could be between \$15,000 and \$18,000. The lead-time on this option is approximately 90 to 120 days depending on production and shipping.

Option 2: Crosswalk Lights using Thermal Detection and Push Button

As a result of the COVID-19 Pandemic, staff requested a quote for newer thermal technology. This system uses a person's body heat to trigger the sensor and to turn on the crosswalk lights. This is a hands-free system although it will still have a push button that can be used when needed. This system would also require additional signage to explain the newer technology. The quoted cost of this newer technology is \$24,500 plus HST. There would be additional costs for the poles, signs, and installation. The total estimated cost would be between \$30,000 and \$35,000. The lead-time on this option is approximately 90 to 120 days depending on production and shipping.

Option 3: Adding two additional Stop Signs

The materials for adding the stop signs will be between \$300 and \$500 per sign. While not the most ideal method to control traffic, vehicles are required by law to stop at a stop sign and allow pedestrians to cross. Staff are able to complete the installation prior to the start of the 2020/ 2021 school year.

Option 4: Hiring 2 Crossing Guards

In September of 2015, Brockton Council was presented with Council Report 2015-36: Crossing Guard on Hinks Street. Staff outlined the cost of hiring crossing guards on Hinks Street. The breakdown cost estimate was \$9,371 per crossing guard, per year at the 2015 report. For this option to be viable, two crossing guards would need to be hired one full time and one as an alternate, if the primary crossing guard became ill or was on vacation. If Council wishes to proceed with this option, staff will gather additional information related to the 2020 costs associated with hiring crossing guards.

Pedestrian traffic is difficult to measure, however staff have included the vehicle traffic count numbers for Hinks Street and Cemetery Road:

Year	Hinks Street	Cemetery Road
2016	1,213	1,480
2017	N/A	1,544
2020*	723	618

*2020 numbers are directly impacted by COVID-19 as the day care centre and schools have been closed.

Staff are recommending that Council consider Option #3 – Adding two (2) additional stop signs on Cemetery Road along with appropriate line painting.

Sustainability Checklist:

What aspect of the Brockton Sustainable Strategic Plan does the content/recommendations in this report help advance?

- | | |
|---|-----|
| • Do the recommendations help move the Municipality closer to its Vision? | Yes |
| • Do the recommendations contribute to achieving Cultural Vibrancy? | Yes |
| • Do the recommendations contribute to achieving Economic Prosperity? | Yes |
| • Do the recommendations contribute to Environmental Integrity? | N/A |
| • Do the recommendations contribute to the Social Equity? | Yes |

Financial Impacts/Source of Funding:

- Do the recommendations represent a sound financial investment from a sustainability perspective? Yes

The cost of adding a crosswalk was not budgeted for in the 2020 budget, any option will impact the 2020 budget. Staff are recommending Option #3 as it is the cheaper of the options (\$600 to \$1,000) and can be completed prior to the school year, as requested. Funding for Option #3 would be available from the existing Public Works Operating Budget.

Reviewed By:



Trish Serratore, Chief Financial Officer

Respectfully Submitted by:



Cally Mann, Municipal Executive Coordinator

Reviewed By:



Sonya Watson, Chief Administrative Officer