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29 June 2023

Gregg Furtney
Director of Operations
Municipality of Brockton
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Highway 9 Rehabilitation from Bruce Road 4 to the Town of Walkerton (GWP 3075-14-00)
Ministry of Transportation, Ontario – Class EA for Provincial Transportation Facilities, Group C

Dear Mr. Furtney

Thank you for the Municipality of Brockton's comments related to the Highway 9 Study that were provided in your letter dated November 19, 2021. Further to the response provided by Sarunas Butkus via email on November 23, 2021, please find enclosed an update on the project and how your comments and suggestions were considered.

Collision Analysis

Thank you for providing the collision information from the Fire Department and the commentary from staff. As part of this study, MTO's collision data for a five-year period from the beginning of 2016 to the end of 2020 (including the fatality at Bruce Road 3 in 2021) includes the following:

- 11 total collisions at Highway 9 and Bruce Road 4
 - 5 Property Damage
 - 6 Non-Fatal Injury
- 15 Total Collisions at Highway 9 and Bruce Road 3
 - 9 Property Damage
 - 5 Non-Fatal Injury
 - 1 Fatal Injury (2021)

Preliminary Intersection Design Recommendations – Highway 9 at Bruce Road 3

At Highway 9 and Bruce Road 3 intersection, the project team completed a traffic signal warrant to determine if a traffic signal is warranted based on (1) existing and projected collision data, (2) traffic volumes and/or (3) traffic delays. The results indicated that a traffic signal is warranted in existing conditions based on traffic volumes and in projected conditions for both traffic volumes and delays to traffic from the sideroad. It shall be noted that the intersection is not warranted for traffic signals based on collisions.

Once it was confirmed that a traffic signal is warranted, the project team evaluated the performance and footprint of a roundabout intersection and a traffic signal intersection as improvement alternatives. The performance of both intersection types enhance the safety of the intersection while accommodating the projected traffic volumes. However, the preliminary design of the roundabout has significant adjacent property impacts. Therefore, a traffic signal has been selected as the preferred alternative.

With the design of the traffic signal intersection, left and right turn lanes will be added to accommodate the projected traffic volumes where appropriate, and the intersection will be upgraded to meet current Ministry standards.

Preliminary Intersection Design Recommendations – Highway 9 at Bruce Road 4

At the Highway 9 and Bruce Road 4 intersection, a traffic signal warrant analysis and safety review were completed. The traffic signal warrant confirmed that traffic signals are not warranted for existing or projected traffic conditions. The safety analysis found that vehicles approaching the intersection from the north and south are likely not coming to a full stop on Bruce Road 4; and they are not stopping at the stop bar for the best sight lines along Highway 9. The sight lines at the stop bar are sufficient but the approaching sight lines are not sufficient. The safety review found that enhanced signage could assist in informing drivers of the stop condition. Based on these findings, the project team recommends the installation of a flasher beacon and enhanced signage to improve safety at this intersection.

Summer and Bruce Power Traffic Volumes

The project team reviewed the collected traffic data for impacts of increased summer traffic volumes within the corridor to determine if changes to the intersection recommendations are appropriate. Since traffic projections for the summer were determined to be similar to the design range as the non-summer projections, the intersection recommendations remain valid.

The project team reviewed the intersection of Highway 9 and Bruce Road 4 for traffic volume impacts due to the Bruce Power Plant shift changes. The traffic data collected did not observe discernible changes to the traffic volumes that could be associated with shift changes (i.e., large numbers of vehicles all arriving at the same time).

School Bus Signage on Bruce Road 3


In your comments it was noted that signage was requested for the bus stop at 981 Bruce Road 3. The request for signage was documented and reviewed as part of the detail design phase of the overall project. The location in question is on a sideroad outside of MTO property and the project limits. The comment was therefore shared with staff at Bruce County.

Paving on Austin Side Road

We will include paving of the asphalt top lift on Austin Side Road, north of Highway 9, to the existing bridge.

If you have any further comments or concerns, please do not hesitate to contact me.

Kind regards,



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Project Manager

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