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MEMORANDUM

TO: Neel Chada

DATE: Feb. 15, 2024

FROM: Stephen Brook P.Eng.

PROJECT #: 21-037

PROJECT: 347 Franktown Road, Carleton Place, ON

SUBJECT: Alternative Emergency Access

Background

BTE completed a Traffic Impact Study, dated August 2021, for the planned development of 347 Franktown Road, shown in **Figure 1**. In response to comments received from the municipality and MTO, a revised report, dated November 2021, was prepared. The revised report expanded the study area along Franktown Road to Findlay Avenue and considered 3 alternative access scenarios for the site.

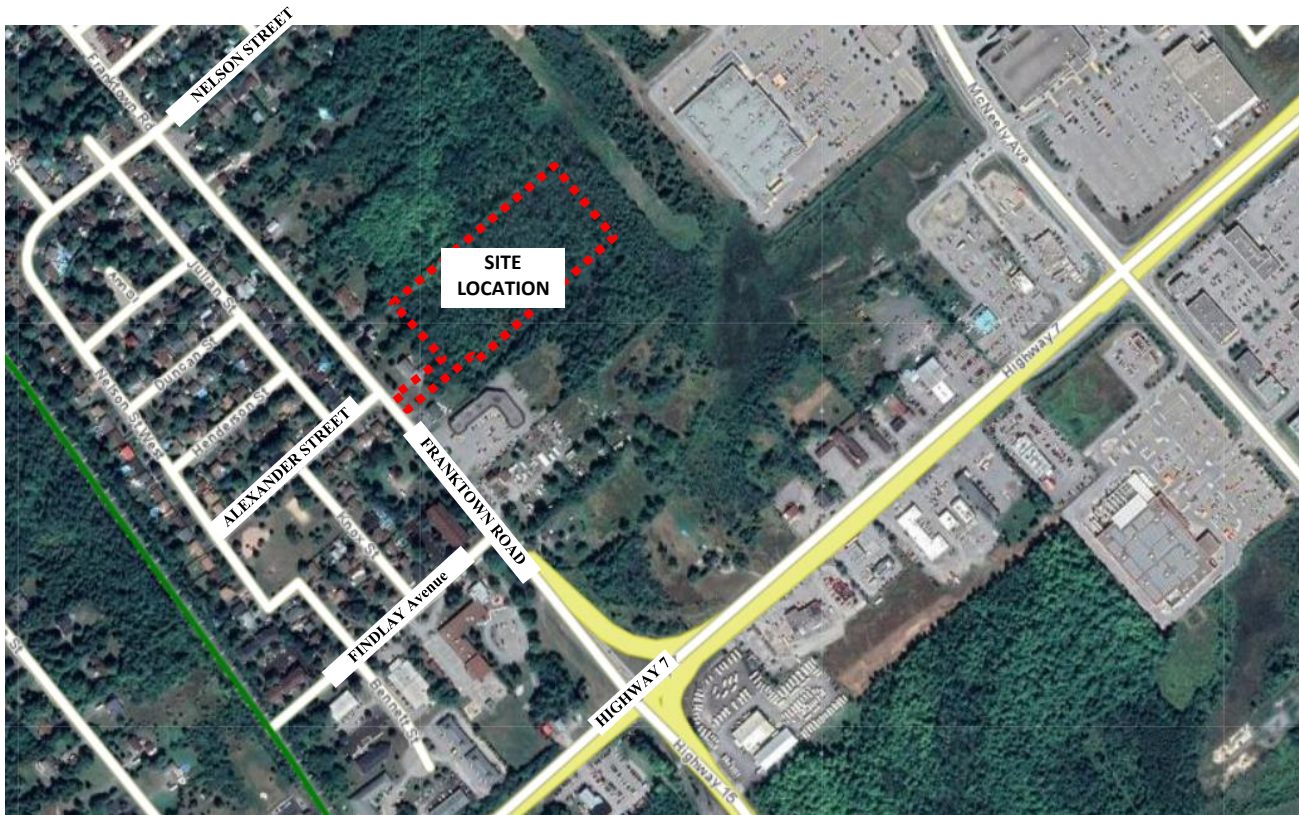


Figure 1: 347 Franktown Road Site Location

The analysis concluded that the three access scenarios were all found to have no significant impacts on the existing road network. To address the concern expressed by the Town of Carleton Place related to the proximity of the site's Franktown Road access to the intersection with Alexander Street, Access Scenario 3 was recommended to be implemented. This included:

- Restricting the Franktown Road site access to one-way right-in access.
- Providing the principal site access on the east side of the site from the planned north-south municipal street (Park Avenue).
- Protecting permanent access, for emergency vehicles only, through the adjacent commercial plaza site at 355 Franktown Road.

The study also recommended that the Town extend the planned Park Avenue to the proposed extension of Findlay Avenue. The future extension of Park Avenue to the planned Findlay Avenue Extension was anticipated to ultimately be the long-term solution but it could not be implemented as part of the 347 Franktown Road Development and its timing would be dependent on the construction of the Findlay Avenue Extension. A Park Avenue extension would have improved access to the entire neighbourhood and would have also eliminated the long-term need to maintain access for emergency vehicles through the commercial plaza site.

As part of the Highway 7 and Highway 15 Intersection Improvements TESR Addendum, MTO accepted the proposed Findlay Avenue Extension however, MTO identified that a local road connection from the north to Findlay Avenue (an extension of Park Avenue) would not be permitted.

Recommendation

It is recommended that, following the decisions that were made by MTO, the Town of Carleton Place allow access to the 247 Franktown Road development for northbound and southbound emergency vehicles at the site's Franktown Road entrance. Permitting full movements to and from Franktown Road, for emergency vehicles only, would eliminate the need for emergency vehicle access through the commercial plaza once access to Park Avenue is available. The use of permeable pavers on the north side of the entrance and mountable curb, as shown in **Figure 2**, could accommodate the movement of southbound emergency vehicles entering the site, while continuing to restrict general traffic to northbound right turns only. A sample of where permeable pavers have been used is provided in **Figure 3**. Access directly from Franktown Road would improve emergency access to the site, eliminating the need for a more circuitous emergency access from the commercial plaza site and the long-term constraint it imposes on the 355 Franktown Road site.

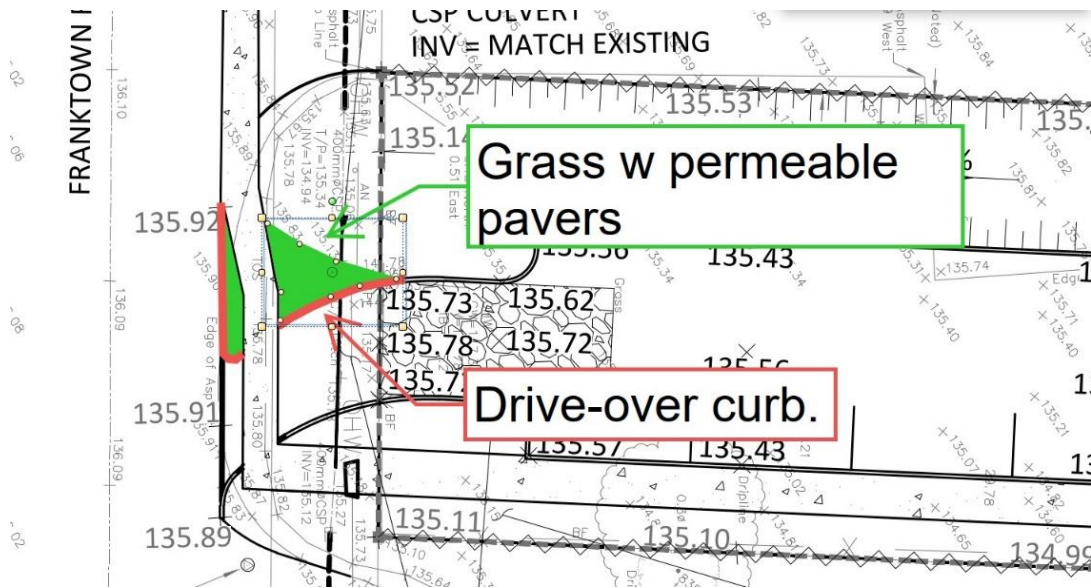


Figure 2: Alternative Emergency Vehicle Access



Figure 3: Sample Use of Permeable Pavers

Prepared by:

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