



PARTNERS IN
ENGINEERING, PLANNING &
ENVIRONMENTAL SERVICES

March 18, 2025

Lanark County
99 Christie Lake Road
Perth, ON
K7H 3C6

Via email: **mdwyer@lanarkcounty.ca**

Attention: **Mike Dwyer, Planning Manager**

**Re: Technical Peer Review – Highland Pit TIS, Peer Review
Lanark County
D.M. Wills Associates Project No. 20262-001**

D.M. Wills Associates Limited (Wills) has been retained by Lanark County (County) to complete a Technical Peer Review of the Traffic Impact Study (TIS) for a proposed mineral extraction site, which is known as Highland Pit, located on Highland Line.

The following information was reviewed as part of this Peer Review:

- Traffic Impact Study for Highland Pit Mineral Extraction Site (September 15, 2022, prepared by Castleglenn Consultants Inc.)
- Revised Site Plan, (January 13, 2025, prepared by Henderson)
- Response to public comment letter and response matrix (January 15, 2025, prepared by MHBC). Only traffic-related comments from comments number 27 to 41 and number 45 were reviewed

The following peer review comments are solely based on the information listed above:

1. The traffic analysis used in this study is based on the counts that were collected in December 2021. Although our team acknowledges that the traffic volumes within the area are relatively low and generally accepts the results, two factors should be clearly presented and considered to follow the typical TIS format:
 - a. COVID impact since COVID restrictive measures were in place during the traffic data collection.
 - b. Seasonal factor since the count was carried out in December
2. According to the MTO TIS guidelines, the study horizon should consider the opening year of the development in addition to 5 and 10 years for the future. However, the Highland Pit TIS only discussed the 2024 scenario which was considered as the opening year and no horizon





years were discussed. Accordingly, the opening year should be revised to reflect a reasonable proposed opening year and 5- and 10-years scenarios as horizon years as per the MTO TIS guidelines.

3. The background info should provide the maximum annual tonnage extraction limit in addition to the type of trucks to be used to haul the material.
4. The study should clearly discuss how the truck trip generation is calculated. The truck trips should be summarized during the peak hour and during the day, especially during the peak production season of the pit. The discussion should include the size of the fleet, vehicle types, and anticipated loads by each type.
5. The Highland Line should be assessed in terms of
 - a. The pavement adequacy to accommodate traffic loads and the anticipated truck traffic based on the traffic updates in the previous comments. This should include the assessment of the existing condition of Highland and whether there will be any needs for upgrades/maintenance due to the additional truck traffic caused by the proposed development.
 - b. The sight distances adequacy at the proposed entrances.
6. Truck swept analysis should be provided at the entrances of the development on Highland Line and at the intersection of CR 12 and Highland Line.

We trust that this information is suitable for your purposes at this time. Please contact our office if you have any questions or require clarification.

Respectfully submitted,

A handwritten signature in blue ink that reads 'Mostafa Tawfeek'.

Mostafa Tawfeek Mohammed, Ph.D., P.Eng., PTOE, RSP1
Senior Traffic Engineer

MT/jh