



**TRITON
ENGINEERING
SERVICES
LIMITED**

Consulting Engineers

Memorandum

DATE: June 11, 2026

TO: Chantalle Pellizzari

FROM: Taylor Kramp, P.Eng.

RE: 5999 8th Line East, Ariss, ON
Proposal Lichty Gravel Pit
Submission No.1

FILE: A6798A

Submitted Items List:

- Transportation Impact Brief, dated April 30, 2026, prepared by Paradigm Transportation Solutions Limited

Current Submission Comments:

- 1.1 The brief should clarify if live bottom gravel trucks are anticipated to use the site but the assumption that each vehicle will carry 22 tonnes (which correlates to a tri-axle dump truck) is a conservative approach for determining the number of trips.
- 1.2 The study should conduct a traffic count at a proxy site to compare to the assumed/calculated number of trips generated by a gravel pit.
- 1.3 The sight distance analysis should be based on 20km/h above posted speed limit given the rural environment.
- 1.4 Sideroad 12 is a narrow gravel road. The study should comment on and provide recommendations for improvements to accommodate heavy truck traffic. This should include an analysis of the existing road structure, widths, and turning movements at the intersection of 8th Line East. The analysis should be based on a larger combination truck.
- 1.5 The brief include an analysis/commentary for a separate left turn lane on 8th Line East to accommodate turning heavy vehicles.

If you have any questions, please contact us.