

MEMORANDUM TO: Stephanie Thommes, PE
Mackie Consultants, LLC

FROM: Michael A Werthmann, PE, PTOE
Principal

DATE: June 12, 2026

SUBJECT: Trip Generation Comparison -
Proposed Office Development
Naperville, Illinois

This memorandum provides the results of a trip generation comparison conducted for a proposed office development to be located in Naperville, Illinois. The site is located in the northwest corner of the Main Street/Aurora Avenue intersection and formerly contained an approximately 2,700 square-foot residence/group home and an approximately 3,400 square foot dental clinic. As proposed, the site is to be redeveloped with an approximately 25,000 square-foot office building. The volume of weekday morning and evening peak hour as well as the daily traffic estimated to be generated by the two former uses and the proposed office building was determined based on the following:

- The traffic estimate to be generated by the previous dental clinic and the proposed office building was estimated on trip generation rates contained in the *Trip Generation Manual*, 12th Edition published by the Institute of Transportation Engineers (ITE).
- The *Trip Generation Manual* does not provide trip rates for residence/group homes given its unique use. Further, no information was available concerning its operation. As such, it was not possible to estimate the traffic generated by residence/group home

Table 1 shows the weekday morning, weekday evening, and weekday daily traffic estimated to be generated by the previous dental clinic and the proposed office building.

Table 1
TRIP GENERATION COMPARISON

Type/Size	Weekday Morning Peak Hour			Weekday Evening Peak Hour			Daily Trips		
	In	Out	Total	In	Out	Total	In	Out	Total
Previous Uses									
Dental Clinic	9	2	11	2	5	7	32	32	64
Residence/Group Home ¹	n.a	n.a	n.a	n.a	n.a	n.a	n.a	n.a	n.a
Proposed Use									
Proposed Office Building ²	27	4	31	5	25	30	98	98	196
1. The traffic generated by this use could not be estimated as the <i>Trip Generation Manual</i> does not provide rates for this use and no information was available concerning its operation. 2. Trip generation estimates based on the “average trip rates” published in the Institute of Transportation Engineers (ITE) <i>Trip Generation Manual</i>, 12th Edition.									