



March 15th, 2024

Mike Nedriga
 Capital Properties of NC, LLC
 1540 Grand Willow Way
 Raleigh, NC 27614
 cpncllc@gmail.com
 919-779-9664

**RE: Trip Generation Memorandum
 901 Mack Todd Road, Zebulon, NC**

Dear Mr. Nedriga,

Timmons Group is providing traffic engineering services for the proposed residential development located at 901 Mack Todd Road in Zebulon, NC. The proposed development will consist of 13 townhome units. Per Town of Zebulon (Town) Unified Development Ordinance (Section 6.13.3), a Traffic Impact Analysis (TIA) is required when projected peak hour trips exceed 100 vehicles per hour (VPH).

The site-generated trips shown in **Table 1** are based on trip generation information provided in the 11th Edition of the Institute of Transportation Engineers' (ITE's) *Trip Generation Manual* and the anticipated development size. The trip generation was calculated using the proposed number of residential units as the independent variable and the provided regression equation.

Table 1: Trip Generation Summary

ITE Land Use Code	Independent Variable	ADT	AM Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total
215-Single-Family Attached Housing	13 Units	94	0	1	1	2	2	4

SOURCE: Institute of Transportation Engineers' *Trip Generation Manual* 11th Edition (2021)

AM peak hour trips totaled 1 incoming and 0 outgoing where PM peak hour trips totaled 2 incoming and 2 outgoing. Average daily traffic (ADT) volumes generated by the development totaled 94 VPD. No trip reductions were included due to internal capture or pass-by trips.

As shown in **Table 1**, projected trips do not meet the Town's peak hour trip threshold (100 VPD). Therefore, no TIA is required due to the development's construction.

Should you have any questions regarding this memorandum, do not hesitate to contact me.

Sincerely,

Jeffrey P. Hochanadel, PE, PTOE
 Principal | North Carolina Transportation Group Leader