



October 27, 2020

Mark Eisenbeis  
Old East Properties  
410 N Boylan Avenue  
Raleigh, NC 27603  
919-825-1135

**RE: Haywood Glen Trip Generation Memorandum**

Dear Mr. Eisenbeis,

Timmons Group is providing Traffic Engineering services for the Haywood Glen Phase 3 Development to be constructed off Old Knight Road in Knightdale, NC. Phase 3 of the proposed development will consist of 80 single-family residential units and the total Haywood Glen Development will consist of 212 single-family residential units. **Table 1** below provides a trip generation estimation for the total development based on information provided in the 10<sup>th</sup> Edition of the Institute of Transportation Engineer's (ITE's) *Trip Generation Manual* and the anticipated development of 212 single-family residential units. The trip generation was calculated using the proposed number of residential units as the independent variable and the provided regression equation (per NCDOT standards).

**Table 1: Trip Generation Summary**

ITE Land Use Code	Independent Variable	Daily	AM Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total
210 – Single-Family Detached Housing	212 Units	2076	39	116	155	132	77	209

SOURCE: Institute of Transportation Engineers' *Trip Generation Manual* 10<sup>th</sup> Edition (2017)

As shown in the table, AM peak hour trips generated totaled 155 vehicles where PM peak hour trips totaled 209 vehicles. Average daily traffic (ADT) volumes generated by the development totaled 2,076 vehicles per day. Per NCDOT standards, no reduction in trips was included due to internal capture and/or pass-by trips.

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

Sincerely,

Jeffrey P. Hochanadel, PE, PTOE  
Senior Project Manager, Transportation