



## Memorandum

To: Traton Homes, LLC  
From: Abdul Amer, PE  
Date: June 19<sup>th</sup>, 2024  
Subject: Trip Generation Memorandum for the proposed Elliot Road Residential Development, City of Powder Springs, Georgia | A&R 24-117

The purpose of this memorandum is to estimate the trip generation that will result from the proposed residential development that will consist of 37 single-family detached houses in the City of Powder Springs, Georgia. The location of the development is shown below.



### **METHODOLOGY**

Trip generation estimates for the project were based on the rates and equations published in the 11th edition of the Institute of Transportation Engineers (ITE) Trip Generation Manual. This reference contains traffic volume count data collected at similar facilities nationwide. The trip generation referenced is based on the following ITE Land Use: *210 – Single-Family Detached Housing*.

*Land Use: 210 – Single-Family Detached Housing:* A single-family detached housing site includes any single-family detached home on an individual lot. A typical site surveyed is a suburban subdivision.

### **TRIP GENERATION**

The results of the analysis for the development are shown in Table 1, below.

<b>TABLE 1 – TRIP GENERATION FOR PROPOSED DEVELOPMENT</b>								
Land Use	Size	AM Peak Hour			PM Peak Hour			24 Hour
		Enter	Exit	Total	Enter	Exit	Total	Two-Way
ITE 210 - Single-Family Detached Housing	37 Units	8	22	30	25	14	39	404

Based on trip generation rates published in the Institute of Transportation Engineers Trip Generation Manual, 11th edition, the residential development will generate 8 entering and 22 exiting trips in the AM peak hour, 25 entering trips and 14 exiting trips in the PM peak hour, and an overall 404 two-way trips in a 24-hour duration.

