



# Memorandum

To: Hayley Todd  
 From: Abdul Amer, PE  
 Date: May 9<sup>th</sup>, 2023  
 Subject: Trip Generation Memorandum for the Reynolds Farm Residential Development on SR 120 (Abbotts Bridge Road), City of Johns Creek, Georgia | A&R

The purpose of this memorandum is to estimate the trip generation that will result from the proposed Reynolds Farm subdivision on SR 120 (Abbotts Bridge Road) in the City of Johns Creek, Georgia. The development will consist of 38 single-family (detached) homes. A site plan is included.

## METHODOLOGY

Trip generation estimates for the project were based on the rates and equations published in the 11<sup>th</sup> 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 ITE land use category 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 trip generation analysis for the development are shown in Table 1, below.

TABLE 1 – TRIP GENERATION FOR PROPOSED DEVELOPMENT								
Land Use	Size	AM Peak Hour			PM Peak Hour			24 Hour
		Enter	Exit	Total	Enter	Exit	Total	Total
ITE 210 - Single-Family Detached Housing	38 units	8	23	31	25	15	40	414

Based on trip generation rates published in the Institute of Transportation Engineer’s Trip Generation Manual, 11th edition, the 38-lot residential development will generate 31 two-way trips in the AM peak hour, 40 two-way trips in the PM peak hour, and 414 two-way trips in a 24-hour duration.

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