

Trip Generation Statement

North Woods FDRP Major Subdivision
AP 47-2 Lot 120
South Kingstown, RI
February 2, 2022



Prepared For:
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The above-referenced project will include the construction of fifteen (15), single-family residential house lots with access/egress from South Road. This trip generation statement has been prepared to contemplate any potential impacts of the proposed development. The proposed project is not projected to adversely affect the level of service for South Road relative to the build year 2022/2023.

The trip generation calculations are based on data compiled in Trip Generation (10th edition, an informational report published by the Institute of Transportation Engineers (ITE). Trip Generation is a tool for planners, transportation professionals, zoning boards, and others who are interested in estimating the number of vehicle trips generated by a proposed development or land use. This document is based on more than 5,500 trip generation studies submitted to the Institute by public agencies, developers, consulting firms, and associations.

The anticipated change in number of trips to be generated by the new construction of fifteen (15) single-family residences was determined by using ITE Trip Generation Land Use Code 210, Single-Family Detached Housing. ITE Trip Generation Land Use Code 210, sets forth trips generated at developments similar to the proposed facility. The volumes anticipated to be generated by the proposed single-family house lots during the morning (am) and evening (pm) peak hours can be found in Table 1. The development will increase traffic by approximately eleven (11) vehicles in the AM Peak and fifteen (15) vehicles in the PM Peak.

Table 1: Trip Generation Summary

Code 210 – Single-Family Detached Housing (15 Units)

Independent Variable (X) = Number of Units

AM Peak

Directional Distribution 25% Entering, 75% Exiting

T = 0.74 (X)	Enter:	3
T = 0.74 (15)	Exit:	8
T = 11	Total =	11

PM Peak

Directional Distribution 63% Entering, 37% Exiting

T = 0.99 (X)	Enter:	9
T = 0.99 (15)	Exit:	6
T = 15	Total =	15

Principe Engineering, Inc.



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