

# MEMORANDUM

PN 6856-00

RE: Traffic Statement  
Champlin Hills Multi Family Residential Project  
Scituate Avenue, Cranston

DATE: March 28, 2023

*Garofalo & Associates, Inc. (Garofalo)* is submitting this traffic statement in support of the modifications proposed to the above referenced applications. The modifications generally include re-siting a clubhouse structure in an area that was approved for commercial use and changing the former clubhouse to an 18-unit building. This change will also eliminate the commercial curb-cut proposed on Scituate Avenue.

In order to quantify the anticipated changes due to the modification as it relates to traffic impact, the data and results of the original report entitled "Traffic Impact Study for Champlin Hills located on Scituate Avenue (RI Rte 12) Cranston RI" was utilized. This study was based upon a comprehensive review of traffic conditions along Scituate Avenue. Utilizing this data as a base Traffic Volumes were projected to the design year of 2028 when the proposed development is projected to be first occurred. For the purposes of this projection an annual growth in traffic was taken to be 1% per year as established by the RI Statewide Planning Program. These values represent the volumes that will exist along Scituate Avenue in the vicinity of the proposed access.

To determine the traffic impacts of the proposed Multi Family Residential Revisions, estimates of the anticipated traffic to be generated by the proposed 18 dwelling unit modification were estimated. This was accomplished by utilizing the factors contained within the Institute of Transportation Engineered Publication "Trip Generation". This publication provides Traffic Generation information for various land uses compiled from studies conducted Nationwide. Estimates of vehicle trips for this proposed development were taken from data pertaining to Land Use Code 223 (Mid Rise Apartments).

Utilizing this data, the additional Weekday AM and PM Site Generated Traffic was estimated as follows:

<u>Period</u>	<u>Entering</u>	<u>Exiting</u>	<u>Total</u>
AM	2	5	5
PM	4	3	7

These additional volumes were combined with the original Traffic Volumes anticipated from this development. Utilizing the methodologies of the Highway Capacity Manual the Operational Performance of the Intersection of the Main Access with Scituate Avenue was completed for both the AM Peak and PM Peak period. The results of this analysis indicate that this intersection will operate as follows:



202: Peak Hour Capacity Analysis

<u>Intersection</u>	<u>Movement</u>	<u>AM LOS</u>	<u>PM LOS</u>
Scituate Avenue Access	NB Rt &Lt	C	C
	EB Thru/Rt	A	A
	WB Thru/Lt	A	A

Based upon the Capacity Analysis contained herein coupled with field observations it can be concluded that the development of this residential project will not have any negative impact on the operations of Scituate Avenue and the surrounding study area roadway or intersections.

