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**SUMMARY MEMORANDUM**

TO: Mr. Greg Halsey, Staff Engineer  
 Tighe & Bond  
 177 Corporate Drive  
 Portsmouth, NH 03801

DATE: May 13, 2015

RE: Additional Trip Generation Analysis for Proposed JCA Community Center, Portland

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This is written to respond to additional information requested by Tom Errico in his April 29, 2015 email to Jean Fraser regarding the proposed Jewish Community Alliance (JCA) of Southern Maine's proposed new community center on Congress Street in Portland, Maine. Specifically, under his first bullet Mr. Errico requests weekday AM and PM peak hour trip generation data for the former Saint Patrick Catholic Church and a comparison to the expected JCA trips during this period. Based upon information you provided the church is 25,076 square feet in size.

**Trip Generation Analysis**

Since specific information was not available from the church regarding daily masses, former weekday AM and PM peak hour church trips were estimated using the most recent Institute of Transportation Engineers (ITE) "Trip Generation, 9<sup>th</sup> Edition" report, published in 2012. Land use code (LUC) 560 "Church" was used on the basis of 25,076 square feet. The results are shown below:

<u>Time Period</u>	<b>ITE Trip Generation Summary</b> <u>One-way Trips</u>
AM Peak Hour " Adj. Street	14
AM Peak Hour - Generator	22
PM Peak Hour " Adj. Street	14
PM Peak Hour " Generator	24

In comparison, the regular components of the JCA center were previously estimated by Maine Traffic Resources and are repeated in the following table along with the former church trips:

<u>Time Period</u>	<u>JCA Pre-School</u>	<u>JCA Offices</u>	<u>JCA Total</u>	<u>Former Church</u>	<u>Increase</u>
AM Peak Hour – Adj. Street	70	3	73	14	59
AM Peak Hour - Generator	71	3	74	22	52
PM Peak Hour – Adj. Street	71	3	74	14	60
PM Peak Hour – Generator	74	3	77	22	55

Based upon the ITE data, the JCA community center will generate from 50 to 60 additional one-way trips during the weekday AM and PM peak hour periods. However, based upon information provided by the JCA this likely will not occur. For instance, the pre-school component was estimated based upon the day care code, which assumes parent pick-ups during the PM peak hour periods. Currently, approximately 16 students get picked up at 12:30, 4 or 5 students at 1:15 and 28 at 3:30. So, very few would be expected to occur in the PM peak hours in contrast to the above analysis. Also, as noted by Tom Errico, the Church did previously hold daily masses but we have no information regarding times or number of attendees to estimate these trips. However, they were likely greater than the trips indicated by the above ITE analysis.

As always, please do not hesitate to contact me if you or the City of Portland have any additional questions or concerns regarding this trip generation analysis.



Sincerely,

A handwritten signature in black ink that reads "Diane W. Morabito".

Diane W. Morabito, P.E. PTOE  
President

cc: Steven Brinn