



**Traffic Solutions**  
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March 26, 2016

Jean Fraser, Planner  
Planning and Urban Development Department  
City of Portland  
389 Congress Street  
Portland, Maine 04101

RE: Second Tee Business Park – Supplemental Trip Generation Information

Dear Ms. Fraser:

Steve Bushey, P.E. with Stantec requested that I provide your office with additional information on peak hour trip generation for the Second Tee Business Park. A letter from my office dated January 16, 2016 provided the existing level of peak hour trip generation based upon manual field counts collected at the three entrances to the Business Park. However, the letter omitted trip generation estimates for two previously approved, yet unoccupied buildings (Unit 9, 10,925sf warehouse building and Unit 11, 12,625sf Immucell building) within the business park and the trip generation of the proposed Unit 2, 7,500 square foot warehouse building.

Trip generation for the proposed buildings were determined based upon trip tables presented in the eighth edition of the Institute of Transportation Engineers “**TRIP GENERATION**” handbook. Peak hour trip generation for each of the three proposed buildings were estimated based upon the following anticipated site uses and projected building areas:

Unit 9 – 10,925sf warehouse building [Land-Use Code #150 Warehousing]

AM Peak Hour = 0.30 trips/1,000sf building area

PM Peak Hour = 0.32 trips/1,000sf building area

Unit 11 – 12,625sf Immucell building [Land-Use Code #140 Manufacturing]

AM Peak Hour = 0.73 trips/1,000sf building area

PM Peak Hour = 0.73 trips/1,000sf building area

Unit 2 – 7,500sf warehouse building [Land-Use Code #150 Warehousing]

AM Peak Hour = 0.30 trips/1,000sf building area

PM Peak Hour = 0.32 trips/1,000sf building area

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Table 1, as follows, presents the estimated peak hour trips generated by the three proposed buildings:

**Table 1**  
**Peak Hour Trip Generation Summary**

<b>Building Identification</b>	<b>AM Peak Hour Trip Generation</b>	<b>PM Peak Hour Trip Generation</b>
Unit 9	3	4
Unit 11	9	9
Unit 2	2	2
<b>Total Trips</b>	<b>14 trips</b>	<b>15 trips</b>

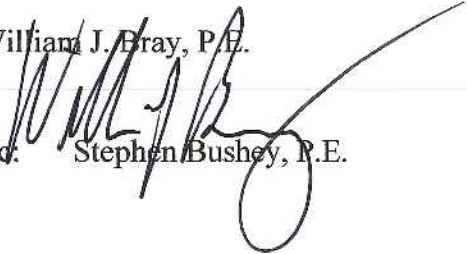
The additional peak hour trips generated by the three buildings is very minimal with a total of 14 trips generated in the AM Peak Hour and 15 trips in the PM peak Hour.

These two peak hour trip values were combined with the previously determined “net” peak hour trips generated by the Second Tee Business Park of 38 trips for a revised total trip generation value of 52 trips during the AM Peak Hour and 53 trips in the PM Peak Hour.

Both estimated values continue to be well below The Maine Department of Transportation’s threshold value of 100 trips per hour, whereby, a Traffic Movement Permit is required.

Please contact me directly at 400-6890 if you or Tom Errico, P.E. require additional information or clarification.

Very truly yours,

William J. Bray, P.E.  


Cc: Stephen Bushey, P.E.