



Traffic Solutions

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October, 1, 2014

William R. Walsh, III, P.E.
Walsh Engineering Associates, Inc.
One Karen Drive, Suite 2A
Westbrook, Maine 04092

RE: 1210 Brighton Avenue Motel

Dear Bill:

It is my understanding that the proposed 1210 Brighton Avenue motel project razes the existing 135 room motel presently occupying the property and constructs an 85 room motel. Access to the property continues through a reconstructed entrance that forms the fourth approach to the Brighton Avenue/Riverside Street signalized intersection.

Pursuant to your request, peak hour trip generation has been determined for both the existing and proposed property lodging uses and the most recent three-year traffic accident records have been obtained from MaineDOT's Accident Records Section for the Brighton Avenue/Riverside Street intersection.

Trip generation was determined for both the existing and proposed motel sites based upon trip tables presented in the eighth edition of the Institute of Transportation Engineers (ITE) "TRIP GENERATION" handbook. The following chart compares trip generation for both the existing and proposed conditions for varying traffic time periods:

Vehicle Trip Generation Summary
Existing and Proposed Motel Sites

<u>Traffic Time Period</u>	<u>Trip Rate</u>	<u>Total Trips</u> <u>Existing 135</u> <u>Room Motel</u>	<u>Total Trips</u> <u>Proposed 85</u> <u>Room Motel</u>	<u>Trip</u> <u>Difference</u>
Weekday	5.63 trips/room	760	479	281
Weekday AM Street Peak Hour	0.45 trips/room	61	38	23
Weekday PM Street Peak Hour	0.47 trips/room	63	40	23
Weekday AM Peak of Generator	0.44 trips/room	59	37	22
Weekday PM Peak of Generator	0.56 trips/room	76	48	28

The Maine Department of Transportation's (MaineDOT) Accident Records Section provided the latest three-year (2011 through 2013) crash data for the signalized Brighton Avenue/Riverside Street intersection. Their report (copy attached) identifies a total of thirteen vehicle crashes have been reported for the intersection and MaineDOT has computed a Critical Rate Factor for the intersection of 0.62. The MaineDOT considers any roadway intersection or segment a high crash location if both of the following criteria are met:

- **8 or more accidents**
- **A Critical Rate Factor greater than 1.00**

In summary, the proposed 85 room motel can be expected to generate approximately 60% fewer vehicle trips during all peak travel periods. The Brighton Avenue/Riverside Street intersection presently does not meet MaineDOT's high crash location criteria; in fact, the frequency of reported traffic crashes is somewhat low considering the high volume of traffic that circulates through the intersection on a daily basis.

Please call me at 400-6890 with questions or clarification of the content of the letter.

Very truly yours,
William E. [Signature]
Professional Engineer
No. 4307
STATE OF MAINE
PROFESSIONAL ENGINEERS

Maine Department Of Transportation - Traffic Engineering, Crash Records Section
Crash Summary Report

Report Selections and Input Parameters

REPORT SELECTIONS

- Crash Summary I - Single Node
- Section Detail
- Crash Summary II
- 1320 Public
- 1320 Private
- 1320 Summary

REPORT DESCRIPTION

Int of Riverside St and Brighton Ave in Portland

REPORT PARAMETERS

Year 2011, Start Month 1 through Year 2013 End Month: 12

- Route: **0025B**
- Start Node: **15889**
- End Node: **15889**
- Start Offset: **0**
- End Offset: **0**
- Exclude First Node
- Exclude Last Node

Crash Summary I

Node	Route - MP	Node Description	Nodes		Injury Crashes				Percent Annual M Ent-Veh	Crash Rate	Critical Rate	CRF		
			U/R	Total Crashes	K	A	B	C					PD	
15889	0025B - 0.44	Int of BRIGHTON AV ENTRANCE TO DENNYS Z RD RIVER	9	13	0	0	2	2	9	30.8	6.329	0.68	1.10	0.00
										Statewide Crash Rate: 0.65				
NODE TOTALS:				13	0	0	2	2	9	30.8	6.329	0.68	1.10	0.62

Study Years: 3.00