

October 20, 2022
 Via Fedex

City of Bayonne Planning Board
 630 Avenue C
 Bayonne, NJ 07002

Attn: Alicia Losonczy, Land Use Administrator

**Re: Trip Generation Comparison
 Proposed Residential Development
 27-31, 33-39 & 41 Prospect Street
 Block 455 – Lot 1.01
 City of Bayonne, Hudson County, NJ
 DT # 2962-99-001T**

Dear Board Members:

Dynamic Traffic has prepared the following assessment to determine the traffic impact associated with the amendment of a previously approved project to ensure the overall conclusions contained within the associated Traffic Impact Study, last revised November 19, 2019 are still valid. The project was previously approved at the January 14, 2020 Planning Board meeting (application # P-19-044) for the construction of 85 residential dwelling units and 89 parking spaces. It is proposed to amend the project to maintain the 85 residential units and reduce the number of parking spaces to 85. Access to the project is still proposed via one (1) full movement driveway along Prospect Street.

Trip Generation Comparison

Trip generation projections were previously prepared utilizing trip generation research data as published in the Institute of Transportation Engineers’ (ITE) publication, *Trip Generation, 10th Edition* for Land Use Code (LUC) 221 – Multifamily Housing (Mid-Rise). It should be noted that ITE has since released a new 11th Edition of this publication, therefore the trip generation projections were re-calculated based on the most recent data. The following table compares the previously approved site generated trips to the updated trip generation projections based on the ITE data.

**Table I
 Previously Approved vs. Updated Trip Generation Comparison**

Land Use	AM PSH			PM PSH		
	In	Out	Total	In	Out	Total
85 Dwelling Units (Previously Approved – ITE 10 th Ed.)	8	21	29	23	15	38
85 Dwelling Units (Updated – ITE 11 th Ed.)	15	12	27	11	14	25
Difference	+7	-9	-2	-12	-1	-13

As shown in the table above, the updated trip generation projections result in fewer peak hour trips compared to the previously approved numbers. It should be noted that the difference in number of new trips still falls below the industry accepted standard of a significant increase in traffic of 100 trips as set forth by ITE and NJDOT. Thus, this level of trip generation is still not projected to create any discernible impact on existing traffic flows.

Conclusion

Based upon our Trip Generation Comparison as detailed in the body of this report, it is the professional opinion of Dynamic Traffic that the adjacent street system of the City of Bayonne will not experience any significant degradation in operating conditions with the amendment of the project and the results presented in the previously submitted Traffic Impact Study remain valid.

If you have any questions on the above, please do not hesitate to contact me.

Sincerely,

Dynamic Traffic, LLC



Craig Peregoy, PE
Principal



Connor Hughes, PE
Licensed Professional Engineer

Enclosures

- c: David Heching (via email w/encl.)
- Michael Miceli (via email w/encl.)
- Joseph Sparone/Tiago Duarte (via email w/encl.)