
TECHNICAL MEMORANDUM

To: Town of Orangetown Planning Board

From: Corey Chase, PE / Kevin Savage, PE, PTOE

Date: May 14, 2024

Re: Crash Analysis Memo
Proposed Warehouse
13 Mountainview Avenue
Section 74.07 – Block 1 – Lots 33 & 36
Town of Orangetown, Rockland County, NY
DT # 2686-99-013T

This analysis was conducted to analyze the crash history in the vicinity of the proposed warehouse located at 13 Mountainview Avenue in the Town of Orangetown, Rockland County, NY.

Crash Analysis

Police reports for crashes occurring from January 2017 to December 2019 in the vicinity of the site at the following intersections were provided for review by the Town of Orangetown Police Department:

- NYS Route 303 & Glenshaw Street
- NYS Route 303 & Mountainview Avenue
- NYS Route 303 & Orangeburg Road (CR 20)/Chase Bank Driveway
- NYS Route 303 & NYS Route 340/South Greenbush Road

The crash rates at each intersection were then calculated using the Average Annual Daily Traffic (AADT) from the NYSDOT Traffic Data viewer and compared to the Average Accident Rates for State Highway by Facility Type Table published by the New York State Department of Motor Vehicles. The following details the crash history at each intersection. The crash rate calculation and statewide average crash rates at each intersection are shown in Table I.

**Table I
Crashes & Crash Rates**

Crashes	Year			Entering ADT	Crash Rate	Crash Rate w/Improvements	Statewide Average Crash Rate
	2017	2018	2019				
NYS Route 303 & Glenshaw Street	2	1	1	18,738	0.19	n/a	0.19
NYS Route 303 & Mountainview Avenue	0	1	0	24,250	0.04	0.03	0.56
NYS Route 303 & Orangeburg Road (CR 20)/Chase Bank Driveway	9	9	11	27,938	0.95	0.80	0.56
NYS Route 303 & NYS Route 340/South Greenbush Road	3	1	1	22,863	0.20	0.17	0.56

The following observations were made from the crash data:

- The crash rate at the intersections of Route 303 and Glenshaw Street, Route 303 and Mountainview Avenue, as well as Route 303 and Route 340/South Greenbush Road are lower than comparable statewide average crash rates.
- The crash rate at the intersection of Route 303 and Orangeburg Road/Chase Bank driveway is higher than comparable statewide average crash rates. As part of the Project, it is proposed to interconnect the signalized intersections along Route 303 which is anticipated to reduce crashes within the study area. Specifically, the New York State Department of Transportation (NYSDOT) publishes a crash reduction rate of 15% for traffic signal improvements. As such, with this improvement the intersection is anticipated to reduce four (4) crashes from the 29 crashes currently experienced. Additionally, it should be noted that the majority of traffic to be generated by the Project will be going north and will not affect the route 303 intersections with Orangeburg Road and South Greenbush Road/Route 340. Overall, the Project is anticipated to generate less than 1% of the intersections' total traffic during peak hours.