

# **APPENDIX B**

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## **CRASH ANALYSIS**

## APPENDIX B – CRASH ANALYSIS

The most recent 5-year period of crash data was examined (January 1<sup>st</sup>, 2016 through December 31<sup>st</sup>, 2020). Crash data was examined on Mohawk Ave, from Reynolds Street to the Western Gateway Bridge. Crashes on side-streets that occurred within 100 feet of the intersections were also examined.

In this five-year period, 266 crashes were reported on Mohawk Ave. Of these, 231 were collisions between motor vehicles, and 35 were collisions with other objects. There were four reported collisions with bicyclists and seven collisions with pedestrians. Table 1 below summarizes collisions by type.

Table 1	
Collision Type	
Collision Type	Number of Collisions
Collision with Light Support / Utility Pole	5
Collision with Bicyclist	4
Collision with Building / Wall	2
Collision with Curbing	1
Collision with Deer	1
Collision with Fire Hydrant	4
Collision with Guide Rail	1
Collision with Motor Vehicle	231
Collision with Other	2
Collision with Other Barrier	1
Collision with Other Fixed Object	2
Collision with Pedestrian	7
Collision with Sign Post	3
Collision with Snow Embankment	1
Collision with Tree	1
<b>Total</b>	<b>266</b>

Of the 266 reported crashes, there were 38 reported injury collisions and one fatal collision. The fatal collision occurred on November 28<sup>th</sup>, 2018, and involved a vehicle striking a pedestrian. The pedestrian was reported to be crossing Mohawk Avenue mid-block between Ballston Ave and Collins Street, approximately 200 feet east of Ballston Ave. The collision occurred at 6:37 PM in dark conditions.

Of the 38 collisions with reported injuries, two were collisions with bicyclists and four were collisions with pedestrians.

Table 2 below summarizes collisions by severity.

Table 2	
Collision Severity	
Severity	Number of Collisions
Fatal	1
Injury	10
Non-Reportable	78
Property Damage	149
Property Damage and Injury	28
<b>Total</b>	<b>266</b>

Most of the reported collisions occurred in clear conditions. There were 26 collisions during adverse weather conditions (rain, snow, or sleet). Table 3 below summarizes collisions by weather condition.

Table 3	
Weather Conditions	
Weather Condition	Number of Collisions
Clear	162
Cloudy	75
Rain	20
Sleet / Hail / Freezing Rain	1
Snow	5
Unknown	3
<b>Total</b>	<b>266</b>

Of the 266 reported collisions, 57 occurred during dark conditions (night, dawn, or dusk). Because roadway lighting is present on Mohawk Avenue for the entire extent of the study area, all of the nighttime crashes were reported to have ‘road-lighted’ conditions. Table 4 below summarizes collisions by lighting condition.

Table 4	
Lighting Conditions	
Lighting Condition	Number of Collisions
Dark – Road Lighted	46
Dawn	4
Daylight	206
Dusk	7
Unknown	3
<b>Total</b>	<b>266</b>

Of the 231 collisions between motor vehicles, there were five head-on collisions, 32 right angle collisions, 81 rear end collisions, and 60 overtaking collisions. Table 5 below summarizes collisions between motor vehicle by type.

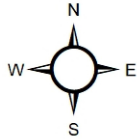
Table 5	
Collision Types (Motor Vehicles)	
Collision Type	Number of Collisions
Head On	5
Left Turn (against other car)	19
Left Turn (with other car)	2
Other	43
Overtaking	60
Rear End	81
Right Angle	32
Right Turn (against other car)	4
Right Turn (with other car)	8
Sideswipe	10
Unknown	2
<b>Total</b>	<b>266</b>

The map on the following page shows the approximate locations of all reported collisions on Mohawk Ave during the five-year period from 2016 through 2020. Several crash clusters are evident near certain intersections:

- 26 collisions occurred at or near the intersection with Sacandaga Road (NY 147)
- 24 collisions occurred at or near the intersection with Ten Broeck Street
- 52 collisions occurred at or near the intersection with Ballston Avenue (NY 50)
- 20 collisions occurred at or near the intersection with Collins Street
- 51 collisions occurred at the eastern end of the study area, between Collins Park and the Western Gateway Bridge (including at the intersection with Glen Avenue and Schonowee Avenue).

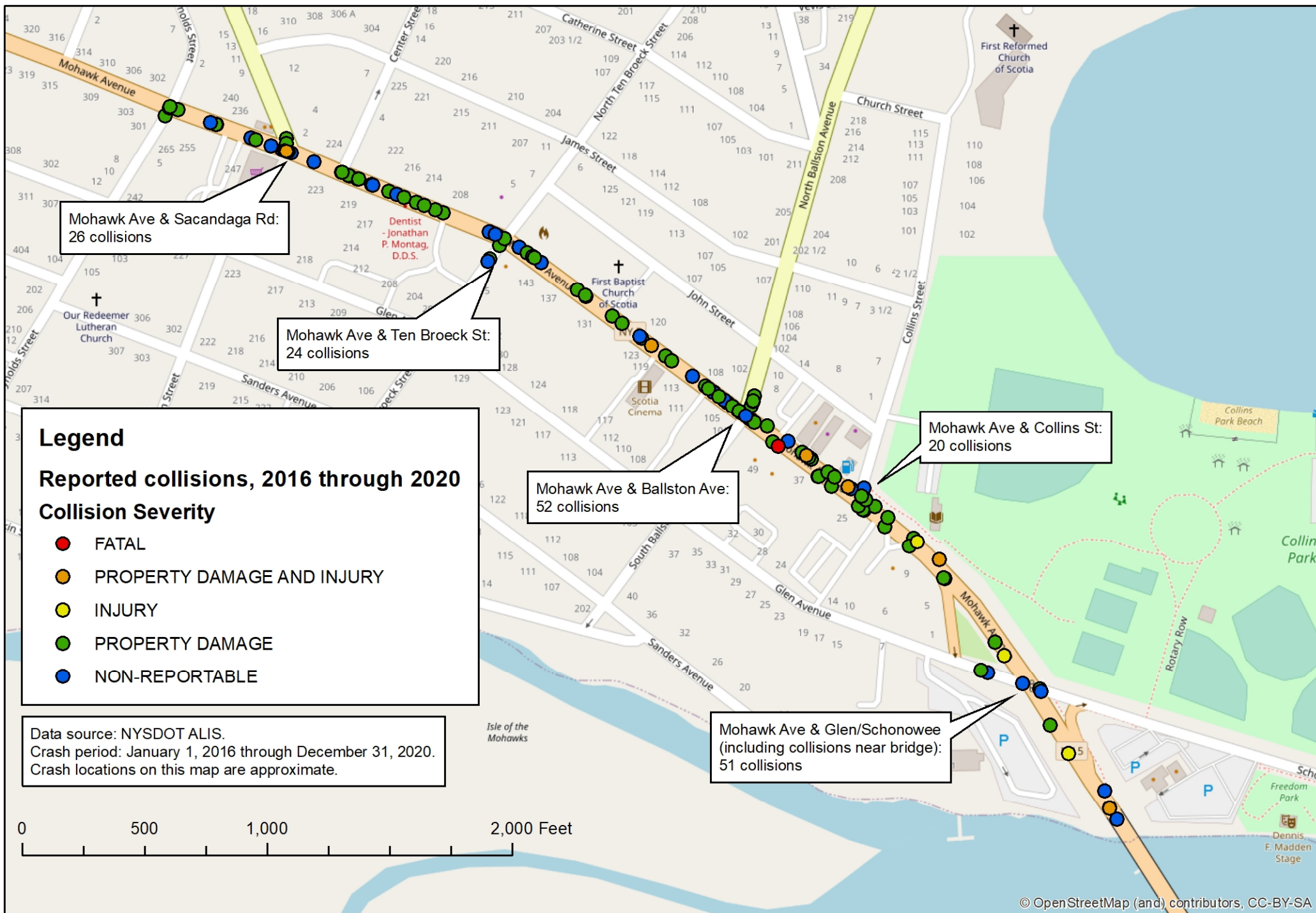
Table 6		
Crash Analysis		
Segment	Crash Rate (ACC/MVM)	NYSDOT Average Crash Rate (ACC/MVM)
2 Lane Undivided Highway, Free Access Controlled, Rural Function Class (West of Route 50)	21.28	3.73
4 Lane Undivided Highway, Free Access Controlled, Rural Function Class (East of Route 50)	8.83	6.41

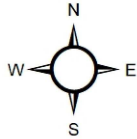




# Mohawk Avenue (NY 5) - Crashes

Village of Scotia, NY - Scotia Downtown Connections





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