

Conor McCormack

From: Neighborhood [REDACTED]
Sent: Thursday, March 14, 2024 11:11 AM
To: Conor McCormack
Subject: massDOT Crash Data | Rice Pond Village
Attachments: massDOT Accidents.xlsx

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Hi Conor,

Kindly distribute this information to the board and Evan from Stantec for their review of the accident data concerning the Rice Pond Village project. It's worth noting that while the updated project documentation mentions two accidents, the massDOT crash data reveals a total of 12 incidents within a 0.25-mile radius (or 1,320 feet) spanning from January 1, 2016, to January 1, 2024.

If necessary, I possess all the individual CSV files referenced below, which I can furnish for greater efficiency in your evaluation alongside Stantec.

Instructions:

1. Go to: <https://massdot-impact-crashes-vhb.opendata.arcgis.com>
2. Enter "Crash Data" into the Search field.
3. Select the appropriate report for instance "2016 Vehicle Level Crash Details" for each year 2016-2024.
4. Zoom in on the map to encompass Millbury's boundaries.
5. Under the CSV section, click the Download button.
6. Repeat for each year 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024.
7. Import all of the CSV files into a database.
8. Create two GPS fields with the coordinates of LAT 42.18725205279359 and LON -71.74935362724885, which is the intersection of Rice Road and Thomas Hill Road.
9. Use a calculations between the aforementioned coordinates and the GPS coordinates in the massDOT crash data to calculate the straight line distance between the intersection and the accident site.

Please find enclosed a summary detailing 12 accidents occurring within a 0.25-mile radius as specified in the provided data range. The following link provides a visualization mapping the accident locations from the broader massDOT crash dataset over an extended period. Clicking on individual car icons reveals some additional underlying data, including the date of each incident. It is important to note that overlapping accidents are represented by a single icon (with additional accidents being omitted, a Google Maps shortcoming), whereas the accompanying spreadsheet contains comprehensive details of all accidents, arranged by distance.

https://www.google.com/maps/d/u/1/edit?mid=1wx_3QZHStcH73IS71cN1KpSFFazRMh4&usp=sharing

It is important it understand why the developer's traffic consultant only included two accidents in their updated traffic impact study when there are 12 recorded by massDOT. Conor, as you may remember, this area was a point of contention during the initial proposed project. Neighbors recall a higher number of accidents than what the developer's traffic consultant accounted for, including one incident at 9 Rice Road.

It's evident that there is a need for mitigation measures at the intersection of Providence Street and Rice Road due to multiple rear-end accidents. Additionally, installing speed limit signs on South Main Street and signage indicating a curve in the road could assist in preventing drivers from repeatedly colliding with the same telephone pole.

Additionally, the neighborhood's concerns are the lack of inclusion of the intersection of Rice Road and Aldrich Avenue, and the Providence & Worcester Railroad crossing in the developer's traffic consultant's report.

I am happy to answer any questions that anyone may have.

Best,

—

Steve Stearns