



Mendham Borough Police

3 Cold Hill Road South
Mendham, NJ 07945
E-mail: MBPD@mendhamnj.org



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7/3/19

Re: Dean Road Traffic Study
To: Mayor, Council, and Administrator,

Dean Road Traffic Study 2019

Basic Rule of Speeding

“No person shall drive a vehicle at a speed greater than is reasonable and prudent under the conditions and having regard to the actual and potential hazards then existing.”

(Federal Highway Administration, 1968)

Dean Road is a Residential Street

This study was done at the request of the Mendham Borough Council on behalf of the Dean Road residents who are concerned with speeding vehicles traveling on the residential street. The current posted speed limit on Dean Road is 30 MPH. This report was completed on July 3rd, 2019.

Roadway: Dean Road runs from East Main Street (County 510) to Mountain Avenue and is 1.1 miles long. The roadway width is on the average of 31 to 32 feet for the entire length. Dean Road is paved by blacktop asphalt and is in fairly good condition now that Mendham Borough Road Department has filled several holes and ruts. Dean Road does have an ample shoulder for parking. The only restriction for parking is when school is in session to eliminate high school students and faculty from parking between 7:30 to 8:30 and 1:30 to 2:30.

Visual Site and Distance: Dean Road has a clear line of sight the entire length and is generally flat, with no declines or inclines. At the curves, it is posted with yellow 25 MPH suggested speed signs with an arrow indicating curve ahead. In the area of Mt. View School, it is posted with speed limit signs of 25 MPH when children are present. Driveways and streets connecting to Dean Road are acceptable and free of obstructions. See attached photos.

Sidewalks: Dean Road does have sidewalks the entire length, with pedestrian crosswalks by Mt. View School.

Signs: Dean Road is posted westbound with 30 MPH signs located at house numbers 11, 64, and 25 MPH school zone at Bowers Drive intersection. Signs posted eastbound are in front of house numbers 106, 85, and 62. “Speed Limit Strictly Enforced” signs have been recently placed at the beginning of each entrance to Dean Road.

Crashes: Police have responded to 23 motor vehicle crashes on Dean Road since 2010. 0 fatalities, 1 domestic animal, 3 with injuries, 7 without injuries, and 12 at the intersections of East Main and Mountain.

Study Start Date: May 13th 2019.

Study End Date: June 16th 2019.

Over the course of 35 days, 12,505 travelled on the roadway.

5,900 travelled Eastbound.

6,605 travelled Westbound.

Heaviest Travel Times Westbound: Between 1700 hours and 1800 hours.



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Heaviest Travel Times Eastbound: Between 0700 hours and 0900 hours.

Average Speed: 25 MPH – Based on a total speed of 12,505 vehicles that travelled on Dean Road.

85% Percentile Speed: 31 MPH = The speed at or below which 85 percent of the vehicles are traveling.

598 Vehicles travelled 35 to 40 MPH.

34 Vehicles travelled 41 to 45 MPH.

11 Vehicles travelled 46 to 50 MPH.

Highest Speed: 81 MPH 6/2/2019 at 1245p in Stealth Mode

Stealth Mode: Means the sign does not display speeds as drivers pass by. However, it continues to collect data of vehicles passing by.

Stealth Mode West Bound: 3,210 vehicles.

Stealth Mode East Bound: 4,461 vehicles.

The Speed Sign is a significant deterrent and slows traffic down on a consistent basis, except for Tuesdays when in regular mode and not in stealth. See attached graphs.

All the information stated above is believed to be true and factual based on the data* collected over the parameters set above.

Guidelines for the study are the standards set by (FHWA) Federal Highway Administration. The study conducted is a cross between Engineering (85% percentile data, risks and operating speeds) and Expert System (data based).

Statutory Speed Limits: Statutory limits are based on the concept that uniform categories of highways can operate safely at certain maximum speeds under ideal conditions. State motor vehicle laws specify speed limits on specific categories of streets and highways. For example, a vehicle code might limit speeds to **25 mph (40 km/h) in residential areas**, 30 mph (50 km/h) in business districts, and 55 mph (90 km/h) on all other roads. Generally, statutory limits apply throughout a jurisdiction. (FHWA)

New Jersey Laws: New Jersey law sets top speed limits for any given road, street, highway, or freeway.

The speed limit, unless otherwise posted, is **25 mph in school zones, business, or residential districts**; 35 mph in certain low-density business and residential districts; 50 mph on all other roadways; 55 mph on certain state highways (as posted) and all interstates; and 65 mph on certain state highways (as posted).

Dean Road, Mendham Borough, NJ – The posted speed limit of 30 MPH is extremely close to the 85th percentile speed data and average vehicle travels below the posted speed limit.

*All traffic calculation and data are provided by the program supplied by Traffic Logic and (Streetsoncloud.com) cloud-based program, which is paid for by Mendham Borough.

Respectfully Submitted,

Chief John S. Camoia

Mendham Borough Police Department

My Custom Report

Location: Dean Road
Address: 61 Dean Road, Mendham, New Jersey, USA
Speed Limit: From schedule 30 mph

Report Period: 07/08/2019 to 09/25/2019
Total Vehicle Count: 34730

Date/Time	Total Vehicles Count	Posted Speed Limit (MPH)	Average Speed (MPH)	Maximum Speed (MPH)	85th Percentile Speed (MPH)
2019-07-07	3246	H 30	27	44	H 33
2019-07-14	3486	H 30	27	H 51	H 33
2019-07-21	1981	H 30	25	47	H 33
2019-07-28	2876	H 30	24	47	H 33
2019-08-04	1926	H 30	24	44	32
2019-08-11	2821	H 30	25	43	H 33
2019-08-18	2024	H 30	24	45	H 33
2019-08-25	2088	H 30	25	45	H 33
2019-09-01	2635	H 30	25	47	H 33
2019-09-08	3895	H 30	26	47	32
2019-09-15	H 4802	H 30	27	45	H 33
2019-09-22	2950	H 30	H 28	43	H 33
Summary	Sum:34730		Avg:26 mph		Avg:33 mph

* **H** - highest value in the column, **bolded H** is highest H value in report
 ** "n/a" - means the sign did not collect any data at the time stipulated in the report. "n/a" values are NOT included in calculations.

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