

**From:** [Mike Winslow](#)  
**To:** [Bristol Town Administrator](#)  
**Cc:** [Eric Cota](#)  
**Subject:** North St. traffic study  
**Date:** Thursday, November 7, 2024 11:22:04 AM  
**Attachments:** [2024-09\\_Bristol\\_NorthStreet - Speed Data Analysis.pdf](#)  
[2024-09\\_Bristol\\_NorthStreet - Class Data Analysis.pdf](#)

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Valerie,  
I looked at the data from my 2020 traffic counts in Bristol and the count I did on North St. this year (highlighted). A quick summary of the main information is below.

Street	Count Dates	85th Percentile Speed (mph)	Avg. Daily Traffic	% Trucks (Classes 4-13)
Liberty St.	10/02 to 10/16/2020	35	620	34.6%
Maple St.	10/15 to 10/23/2020	28	183	14.2%
Mountain St.	9/25 to 10/02/2020	28	367	5.4%
North St. @ ambulance	10/15 to 10/22/2020	38	1114	na
North St. @ Lathrop Lane	10/02 to 10/08/2020	35	1617	na
North St. b/w Garfield & Park	9/20 to 9/27/2020	31	2616	13.1%
Pine St.	10/02 to 10/16/2020	28	760	10.1%
Plank Rd.	9/28 to 10/02/2020	39	499	na
Pleasant St.	10/15 to 10/23/2020	25	343	13.5%
Taylor Ave.	9/25 to 10/02/2020	21	99	7.6%

My takeaways:

- Truck traffic on North St. is not excessive compared to other streets in Bristol
- A 25 mph speed limit for most of the village is entirely reasonable. Plank Rd. and the northern portion of North St. might be exceptions.
- As traffic volumes on North St. increase from north to south, speeds decrease. This isn't a surprise, but should be taken into consideration when setting speed limits.
- The data from Liberty St. stand out, based on both speed and percent trucks. It might be driven by proximity to the town garage.

I've also conducted a county wide origin and destination study for heavy trucks. I haven't shared it because I'm not sure I entirely trust the data (There are some unexplained unusually high numbers in Ferrisburgh), but truck traffic in Bristol did not stand out as exceptional. That study can't account for through traffic, but I doubt there would be much difference.

I've attached the speed and class data analysis for the North St. count I did in October. I can pull out lots of additional data from the counts conducted depending on what the town needs.

I'm not sure the best way to provide information to Bristol to assist with transportation planning, but if there needs to be a meeting with the Selectboard or concerned citizens, I'd be happy to attend and share these results.

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