

## Warwick Speed Study

**From:** davidyoung@wivalley.net

**Subject:** Warwick Speed Study

**Date:** January 8, 2009 4:29:08 PM EST

Here is the speed study. We are on average driving very fast.

I met with Brian P, Tim and Keith Wilson, the transportation planner from FRCOG, on Monday. The guidelines say we can make request to set speeds at the 85th percentile and vary 7%. That is the game rule.

At that meeting we agreed to a change to slow traffic in the center of town and at Moore's Pond. We make this argument due to density. If we can make a case to deviate to Mass Highways we may do so but we need a solid and legal reason. Otherwise this study is the basis for making changes to the 1970s based current speed limit scenario.

The Selectboard has three options:

1. Approve this and send it to Mass Highways for their review.
2. Go back to the yellow advisory scenario which "suggests" 20 mph in school zone; 30 mph in thickly settled; 40 mph elsewhere but only has the force of law if officers can prove that a person is going too fast for conditions. A yellow sign is advisory and short of a study as in above we can only advise.

or

3. Do nothing, and I do note that there are road signs already in places where there exists no legal basis for their placement or for what they read. I will distribute this as hard copy at the next meeting and we can put it on the agenda for action at the meeting in two weeks.

## WARWICK SPEED ZONE STUDY

### Roadway - ATHOL ROAD

Location	Dir	ADT <sub>1</sub>	Percentile Speed (MPH) <sup>2</sup>			10 MPH Pace Speed <sub>2</sub>	% in Pace	Existing Posted Speed <sup>3</sup>	% > Posted Speed Limit	Proposed Posted Speed Limit	% > Proposed Speed Limit
			50th	85th	95th						
Orange Town Line	EB	192	41	48	52	31-45	56%	30	91%	50	6%
	WB	170	41	48	50	31-45	62%	40	56%	50	5%
1/10 Mile East of Tully Brook Rd	EB	172	51	53	58	46-55	56%	40	93%	50	54%
	WB	158	53	61	65	51-60	53%	40	97%	50	69%
1/4 Mile East of Royalston Rd	EB	175	45	52	55	41-50	59%	40	78%	45	47%
	WB	159	45	51	55	41-50	62%	40	79%	45	44%
1/10 Mile West of Hastings Height Rd	EB	308	41	47	50	36-45	66%	25	99%	45	20%
	WB	297	41	46	50	36-45	72%	25	99%	45	17%
1/4 Mile West of Gale Rd	EB	322	42	48	52	36-45	63%	25	97%	45	26%
	WB	320	44	52	56	41-50	56%	25	99%	45	42%

<sup>1</sup> - Average Daily Traffic Volume recorded over a 7-day period (except where noted)

<sup>2</sup> - Measured over the 7-day period (except where noted)

<sup>3</sup> - As outlined in Special Speed Regulation No. 2052 dated August 1976

### Roadway - NORTHFIELD ROAD

Location	Dir	ADT	Percentile Speed (MPH) <sup>2</sup>			10 MPH Pace Speed <sub>2</sub>	% in Pace	Existing Posted Speed <sup>3</sup>	% > Posted Speed Limit	Proposed Posted Speed Limit	% > Proposed Speed Limit
			50th	85th	95th						

		1									
Northfield Town Line	EB	204	42	48	52	36-45	64%	35	89%	50	7%
	WB	211	43	49	52	36-45	63%	35	91%	50	7%
3/4 Mile East of Northfield T.L.	EB	205*	48	55	60	41-50	60%	35	99%	50	34%
	WB	205*	48	54	59	41-50	62%	35	99%	50	30%
650ft East of Leland Hill Road	EB	204*	41	46	49	36-45	74%	35	90%	45	16%
	WB	200*	46	48	51	36-45	67%	35	91%	45	24%
4/10 Mile West of White Road	EB	217*	47	53	57	41-50	64%	35	97%	45	60%
	WB	215*	46	52	57	41-50	60%	35	94%	45	51%
1/4 Mile West of Wendell Rd	EB	208	44	50	54	41-50	65%	30	99%	45	42%
	WB	213	42	48	52	36-45	62%	30	97%	45	24%
2/10 Mile East of Revere Hill Rd	EB	192	37	41	47	31-40	73%	25	97%	40	17%
	WB	222	37	43	46	31-40	65%	25	98%	40	25%

<sup>1</sup> - Average Daily Traffic Volume recorded over a 7-day period (except where noted)

<sup>2</sup> - Measured over the 7-day period (except where noted)

<sup>3</sup> - As outlined in Special Speed Regulation No. 2052 dated August 1976

\* - ADT and speeds measured over two weekdays

#### Roadway - WINCHESTER ROAD [Route 78]

Location	Dir	ADT <sub>1</sub>	Percentile Speed (MPH) <sup>2</sup>			10 MPH Pace Speed <sub>2</sub>	% in Pace	Existing Posted Speed <sup>3</sup>	% > Posted Speed Limit	Proposed Posted Speed Limit	% > Proposed Speed Limit
			50th	85th	95th						
New Hampshire State Line	NB	534	44	50	55	41-50	62%	40	75%	50	13%
	SB	550	45	51	55	41-50	65%	40	79%	50	15%
1/2 Mile South of Robbins Rd	NB	430	43	49	53	36-45	66%	35	92%	50	8%
	SB	435	44	50	54	41-50	64%	35	95%	50	11%
3/10 Mile North of Garage Rd	NB	432	36	40	43	31-40	81%	25	98%	40	8%
	SB	436	33	38	40	26-35	75%	25	97%	40	2%
950ft North of Hotel Rd	NB	492	37	43	46	31-40	63%	30	88%	30	88%
	SB	495	36	43	46	31-40	65%	30	86%	30	86%

#### Roadway - ORANGE ROAD [Route 78]

Location	Dir	ADT <sub>1</sub>	Percentile Speed (MPH) <sup>2</sup>			10 MPH Pace Speed <sub>2</sub>	% in Pace	Existing Posted Speed <sup>4</sup>	% > Posted Speed Limit	Proposed Posted Speed Limit	% > Proposed Speed Limit
			50th	85th	95th						
400ft South of Hastings Pond Rd	NB	463	36	42	45	31-40	68%	35	56%	30	87%
	SB	412	37	44	47	31-40	63%	35	65%	30	91%
800ft South of	NB	367	38	44	47	31-	66%	30	95%	40	29%

North Holden Rd						40					
	SB	360	40	45	49	36-45	70%	35	82%	40	45%
4/10 Mile South of Paul Rd	NB	366	44	50	54	41-50	67%	35	96%	50	10%
	SB	366	46	53	58	41-50	59%	35	95%	50	21%
2/10 Mile North of Hocknum Rd	NB	384	50	57	60	46-55	61%	40	94%	50	45%
	SB	386	52	59	64	46-55	55%	40	96%	50	60%
Orange Town Line	NB	594	41	46	50	36-45	71%	35	87%	45	16%
	SB	588	42	48	51	36-45	67%	35	88%	45	21%

<sup>1</sup> - Average Daily Traffic Volume recorded over a 7-day period (except where noted)

<sup>2</sup> - Measured over the 7-day period (except where noted)

<sup>4</sup> - As outlined in Special Speed Regulation No. 2028-B dated September 1984

### Roadway - WENDELL ROAD

Location	Dir	ADT <sub>1</sub>	Percentile Speed (MPH) <sup>2</sup>			10 MPH Pace Speed <sub>2</sub>	% in Pace	Existing Posted Speed <sup>3</sup>	% > Posted Speed Limit	Proposed Posted Speed Limit	% > Proposed Speed Limit
			50th	85th	95th						
2/10 Mile North of Chestnut Hill Rd	NB	132	41	49	53	36-45	59%	35	85%	45	25%
	SB	130	43	49	54	41-50	58%	35	90%	45	32%
300ft North of Shepardson Rd	NB	129	36	43	48	31-40	57%	35	55%	40	25%
	SB	125	36	43	46	31-40	63%	35	56%	40	23%
1/2 Mile North of Hocknum Rd	NB	151	41	48	52	36-45	63%	35	87%	45	24%
	SB	146	42	49	54	36-45	60%	35	85%	45	25%
1/2 Mile South of Hocknum Rd	NB	85	40	47	50	36-45	60%	35	80%	45	20%
	SB	89	42	49	54	36-45	56%	35	84%	45	28%
3/10 Mile South of Quarry Road	NB	114	38	44	48	36-45	60%	30	93%	40	36%
	SB	119	38	44	48	31-40	60%	30	90%	40	30%