



STATE OF VERMONT
ADDISON COUNTY SHERIFF'S OFFICE
35 COURT STREET
MIDDLEBURY, VERMONT 05753

MEMO:

TO: Monkton Select Board
FROM: Jim Coons, Addison County Sheriff *JDC*
SUBJECT: Tyler Bridge Road-Traffic and Engineering Study
DATE: May 8, 2008

At your request a traffic and engineering study of Tyler Bridge Road between States Prison Hollow Road and the Monkton/Starksboro town line was conducted. It was indicated that you had received complaints and were considering enacting local ordinance reducing the speed from the present 50 MPH.

Basically there are two principles for setting speed limits on roadways to insure that posted limits are reasonable and safe.

The first is to protect the public and to curb unreasonable behavior. Motorists should have some assurance that the risk of having a traffic accident is low if they obey the speed limit. Of course, the operators of motor vehicles share in this responsibility. They should drive at speeds that are reasonable and proper for the prevailing conditions such as snow, ice, fog, darkness and amount of traffic at the time. Drivers must also heed other traffic control devices such as black/yellow warning signs and pavement markings. This section of roadway is marked with a double yellow line for the entire distance and there are some curve warning signs/arrows at critical points.

The second principle is that to effectively enforce a law, the public must believe that the law is reasonable. The majority of motorists will drive at a speed that they perceive to be safe. Studies have shown that the measured average speed which most drivers perceive to be safe is usually at or very close to the speed limit established by a traffic and engineering study. Setting a speed limit too low merely punishes motorists who would otherwise obey the law and in some situations creates an additional hazard when vehicles attempt to pass vehicles that are obeying the posted limit, perhaps in areas where passing is not permitted or advised.

STATE OF VERMONT, AGENCY OF TRANSPORTATION

TRAFFIC ENGINEERING REPORT FOR A SPEED LIMIT STUDY ON A State Hwy. ___ Town Hwy. <u>X</u> Other <u>TYLER BRIDGE ROAD</u> (In accordance to Title 23 VSA, Section 1003)			Date <u>5-6-08</u>
CHARACTERISTICS	Left Side	Right Side	Town <u>MONKTON</u>
No. of Roadway Lanes	<u>1</u>	<u>1</u>	County <u>ADDISON</u>
Roadway, Width (feet)	<u>11 feet +</u>	<u>11 feet +</u>	
Surface Type	<u>ASPHALT</u>	<u>ASPHALT</u>	Route No. <u>TYLER BRIDGE ROAD</u>
Condition	<u>GOOD</u>	<u>GOOD</u>	
Shoulder, Width (feet)	<u>none</u>	<u>none</u>	Village
Surface Type	<u>n/a</u>	<u>n/a</u>	
Condition			
Sidewalk, Width (feet)	<u>none</u>	<u>none</u>	STATE PRISON HOLLOW From M.P.
Surface Type	<u>n/a</u>	<u>n/a</u>	STARK/MONKTON Thru M.P. TOWN LINE
Condition			
Curbing, Type of	<u>none</u>	<u>none</u>	Length (miles) <u>2.2</u>
Condition	<u>n/a</u>	<u>n/a</u>	

TOPO	No. of Drives	No. of Houses/Farms	List Small Businesses	List Major Businesses	State/TH Junctions
Left	<u>12</u>	<u>11</u>	<u>one</u>	<u>none</u>	<u>2</u>
Right	<u>9</u>	<u>8</u>	<u>one</u>	<u>none</u>	

ALIGNMENT	No. 1	No. 2	No. 3
Curves, From/Thru M.P.			
Degree of			
Ballbank Reading			
Current Adv. MPH			
Proposed Adv. MPH			
Grades, From/Thru M.P.			
Percent of			
Passing Zone M.P. (NB/EB)	<u>none</u>		
(SB/WB)	<u>none</u>		
Crosswalk Milepoints	<u>none</u>		
Bridge, Milepoints			
Widths, c/c (ft.)			

PARKING INFO.: From/Thru M.P. NO PARKING Meet Needs? YES

Controlled by: Signs _____ Markings _____ Meters _____

Hinders: Thru Traffic? _____ TH'S? _____ Drives? _____

NO-PARKING ZONES: From/Thru M.P. _____

ACCIDENTS: From 19__ Thru 19__ Actual/Critical Accident Rate n/a

Since 2004 Total No. 2 Injured 1 Fatalities 0 Property Damage 2
 Types of (1) _____ (2) _____

RECOMMENDATION (by _____):

SEE ATTACHED MEMO FOR SAME

Report done by J. Linn, Sheriff

Department of Transportation
Spot Speed Survey Field Data Sheet

Study No.	Setup M.P.
Date <u>05/06/08</u>	Day <u>Tuesday</u>
Location <u>Monkton</u>	
Route No. <u>Tyler Bridge Rd.</u>	
Posted Speed Limit <u>50 MPH</u>	

From M.P.	To M.P.
Weather <u>Sunny and Clear</u>	
Survey Hours <u>1500-1730</u>	
Observer <u>James B. Coors, Sheriff</u>	
Passing Zones (Begin/End) <u>none</u>	

Describe Setup Location

MPH	CARS				MPH	TRUCKS AND BUSES			
	NB (EB)		SB (WB)			NB (EB)		SB (WB)	
70&OVER					70&OVER				
69					69				
68					68				
67					67				
66					66				
65					65				
64					64				
63					63				
62					62				
61					61				
60					60				
59					59				
58					58				
57					57				
56					56				
55					55				
54			1	1	54				
53			1	1	53				
52	1		1	1	52				
51			1	1	51				
50				0	50				
49	1			1	49				
48			1	1	48				
47	1		3	4	47				
46	1		4	5	46				
45	1			1	45				
44	4		5	9	44			1	1
43	5		4	9	43	1			1
42	4		3	7	42				0
41	6			6	41	1			1
40	6		5	11	40	1			1
39	4		4	8	39	1			1
38	6		3	9	38				0
37	3		1	4	37	1		1	2
36	2		2	4	36			2	2
35	2		3	5	35				
34				0	34				
33	1			1	33				
32	1		1	2	32				
31					31				
30					30				
29					29				
28					28				
27					27				
26					26				
25					25				
24					24				
23					23				
22					22				
21&UNDER					21&UNDER				
Totals	49		42	91		5		4	9

STATE OF VERMONT, AGENCY OF TRANSPORTATION

SUMMARY OF A SPOT SPEED SURVEY
(Use One Sheet for Each Spot Speed Survey)

Date MAY 6, 2008 Page _____

Setup No. 1 Setup M.P. _____ Setup Area: From _____ Thru _____

Town MONKTON County ADDISON Route No. TYLER BRIDGE ROAD

Present Speed Limit 50 MPH ADT _____ Year ADT _____ DHV _____

General Remarks on Traffic (only for the Area Covered by this Spot Speed Survey)

	Cars, Vans and Light Trucks	Large Trucks and Buses	All Vehicles
Median Speed	41	39	40
85th Percentile Speed	46	43	45
Modal Speed	40	36/37	40
10-Mile Pace	35-45 MPH	N/A	35-45 MPH
Percent in 10-Mile Pace	80%	100%	82%
Speed Limit Range (use all vehicles column)	n/a		

MPH	Cars, Vans and Light Trucks	Accum. Pct.	Large Trucks and Buses	Accum. Pct.	All Vehicles	Accum. Pct.
Over 60	0		0		0	
56-60	0		0		0	
51-55	4		0		4	
46-50	11		0		11	
41-45	32		3		35	
36-40	36		6		42	
31-35	8		0		8	
26-30	0		0		0	
Under 26	0		0		0	
Totals	91		9		100	

Summary done by *Glenn Sheriff*

CERTIFICATE

On 2/23/ 2009 The members of the Selectboard met at MONKTON TOWN HALL and, upon consideration of the facts and engineering and traffic investigation, determined that the maximum speed limit of Fifty miles per hour is greater or less than reasonable and safe under the existing conditions on the highway described below and have determined and declared a reasonable and safe speed limit on said highway which shall henceforth apply as follows:

A SPEED LIMIT OF 40 m.p.h ON TYLER^{R.D.}BRIDGE FROM STATE PRISON HOLLOW ROAD TO THE STARKSBORO TOWN LINE.

and that the Town of MONKTON shall forthwith erect signs on said highway giving notice of such speed limit in form to conform to the Manual on Uniform Traffic Control Devices.

Approved
2/23/09
ASCB

Henry A. Boisse Chairman

Richard Morris Sr
Anne Blay