



MEETING AGENDA



- → Introductions
- → Scope of the Study
- → Data Collection
- → Findings
- → Traffic Calming Measures
- → Summary
- → Q&A



INTRODUCTIONS

- → How the study came about
 - Which roads were included
- → Scope of the study
 - What it is
 - What it isn't





DATA COLLECTION

Traffic Counting Program

→ Manual Turning Moving Counts

- 11/9/16 from 4pm to 6pm and 11/10/16 from 7am to 9am
 - Route 9/William Street
 - Route 9/Hudson Street/Albany Avenue
 - Hudson Street/William Street

→ Automatic Traffic Recorders

- 10/31/16 to 11/9/16:
 - 1 on Gaffney Lane and 2 on Eichybush Road
- 11/9/16 to 11/17/16:
 - 1 on Hudson Street, 1 on
 William Street and 2 on Albany
 Avenue

Existing Conditions

- → Village speed limit of 30mph
 - Gaffney Lane is posted 25mph
 - William Street is posted 25mph
 - Hudson Street is posted 25mph near the library
- Gaffney Lane, Eichybush Road and William Street
 - 22' wide with no shoulders
- → Albany Avenue and Hudson Street
 - 22' wide with narrow shoulders
 - Parking available
 - Sidewalks present



ATR LOCATIONS: ALBANY AVENUE





ATR LOCATIONS: HUDSON STREET AND WILLIAM STREET





ATR LOCATIONS: **EICHYBUSH ROAD** 12 & 13 Eichybush Road 41 Eichybush Road



ATR LOCATIONS: GAFFNEY LANE





FINDINGS

→ Traffic Volumes

ATR Location	Direction	Total Volume	AADT	Total HV	HV %
Albany Street Between Route 9 and Sunset Avenue	WB	4,435	1,172	95	1.064%
	EB	4,491	1,172	33	
Albany Street West of Sunset Avenue	WB	3,172	836	78	1.259%
	EB	3,025	030		
Hudson Street	EB	6,635	4 000	174	1.235%
	WB	7,453	1,832		
Fish which Bood Between Boute Cond Coffney Long	WB	1,989	450	35	0.0050/
Eichybush Road Between Route 9 and Gaffney Lane	EB	2,202	452		0.835%
Eichybush Road West of Gaffney Lane	WB	2,006	440	27	0.648%
	EB	2,163	446		
William Street	WB	1,193			
	EB	941	227		
Gaffney Lane	WB	1,208			
	EB	1,180	257		

AADT = Annual Average Daily Traffic HV = Heavy Vehicle



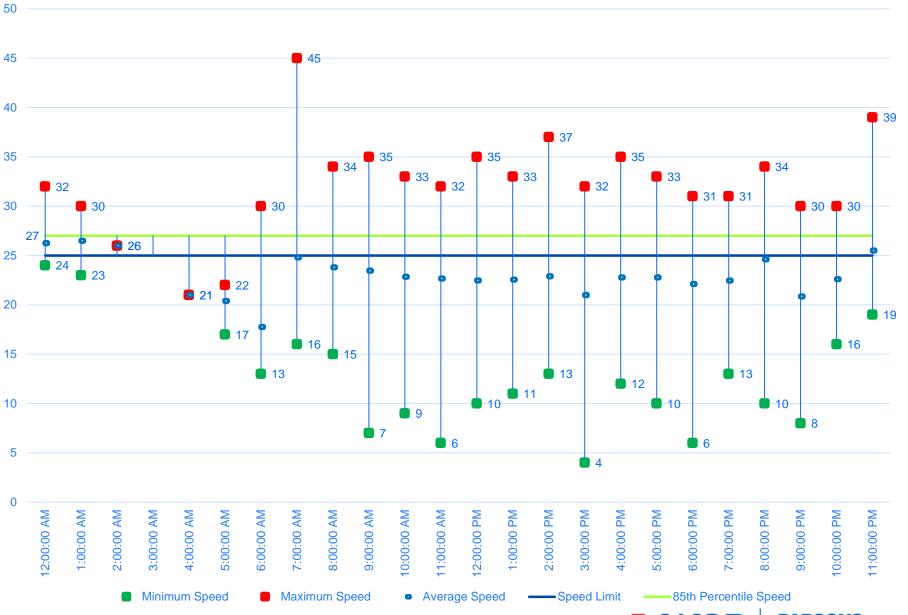
FINDINGS

→ Speeds – 85th Percentile

ATR Location	Direction	Posted Speed Limit	85th Percentile Speed	Vehicles Traveling 30 MPH to 40 MPH		Vehicles Traveling 41 MPH and Faster	
				Volume	%	Volume	%
Albany Street Between Route 9 and Sunset Avenue	WB	30	34	2,818	64%	84	2%
	EB	30	35	2,960	66%	179	4%
Albany Street West of Sunset Avenue	WB	30	44	1,885	59%	1,107	35%
	EB	30	42	2,079	69%	706	23%
Hudson Street	EB	30	36	5,153	78%	213	3%
	WB	30	38	6,074	81%	608	8%
Eichybush Road Between Route 9 and Gaffney Lane	WB	30	38	1,284	65%	187	9%
	EB	30	37	1,425	65%	185	8%
Eichybush Road West of Gaffney Lane	WB	30	42	1,299	65%	514	26%
	EB	30	41	1,540	71%	412	19%
ATR Location	Direction	Posted Speed Limit	85th Percentile Speed	Vehicles Traveling 25 MPH to 35 MPH		Vehicles Traveling 36 MPH and Faster	
				Volume	%	Volume	%
William Street	WB	25	27	372	31%	66	6%
	EB	25	27	323	34%	6	1%
	WB	25	33	737	61%	148	12%
Gaffney Lane	EB	25	34	714	61%	204	17%

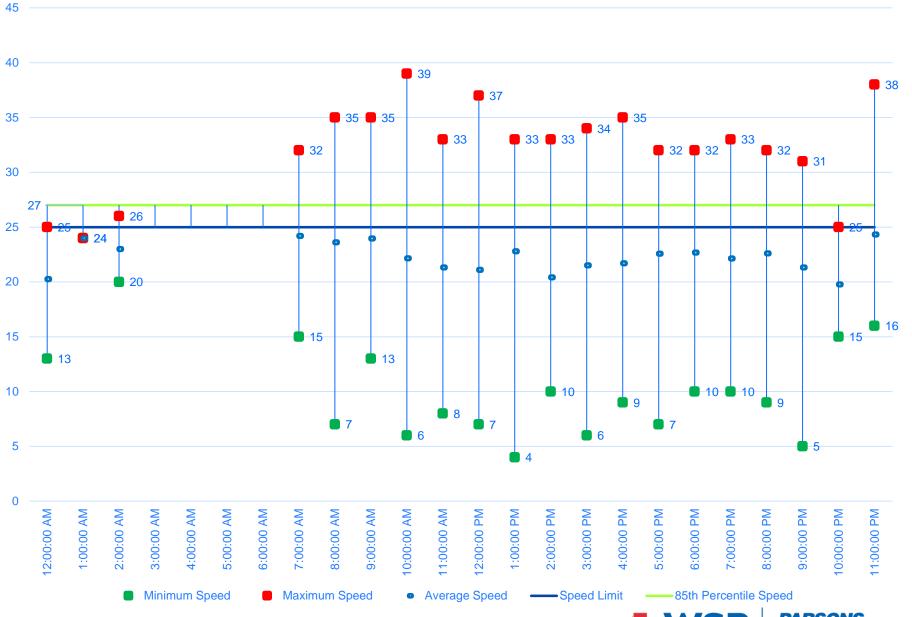


William Street: Traveling from Route 9 to Hudson Street



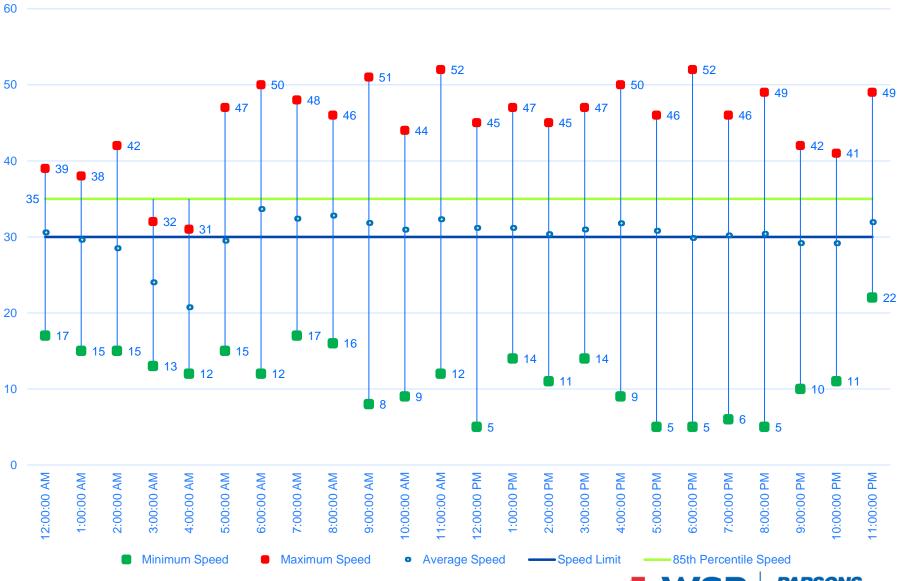


William Street: Traveling from Hudson Street to Route 9





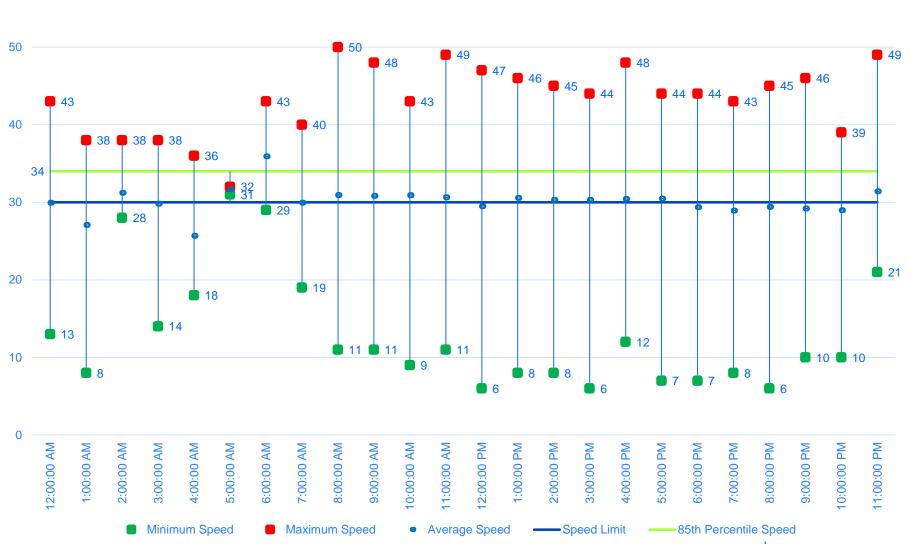
Albany Avenue: Traveling from Sunset Avenue to Route 9 Entering the Village





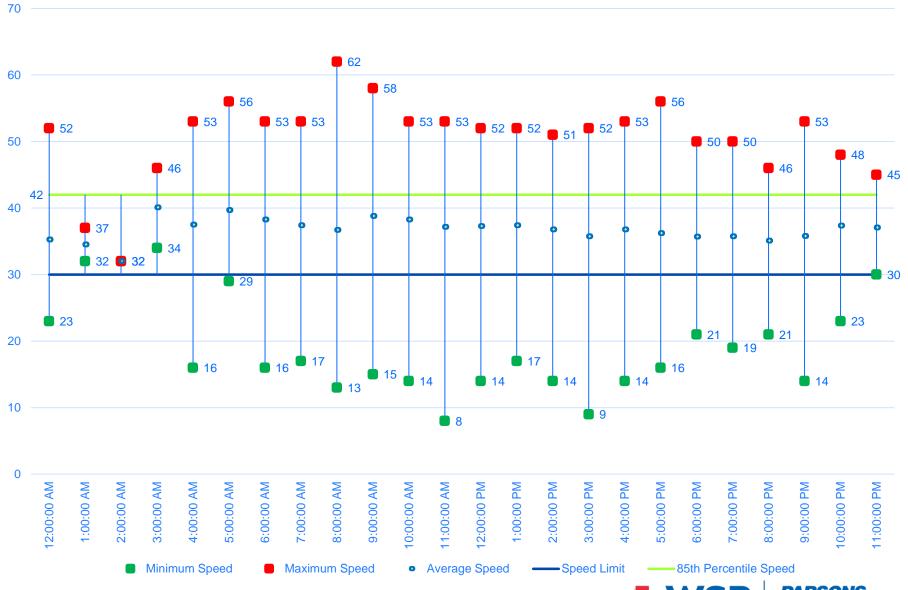
Albany Avenue: Traveling from Route 9 to Sunset Avenue Exiting the Village





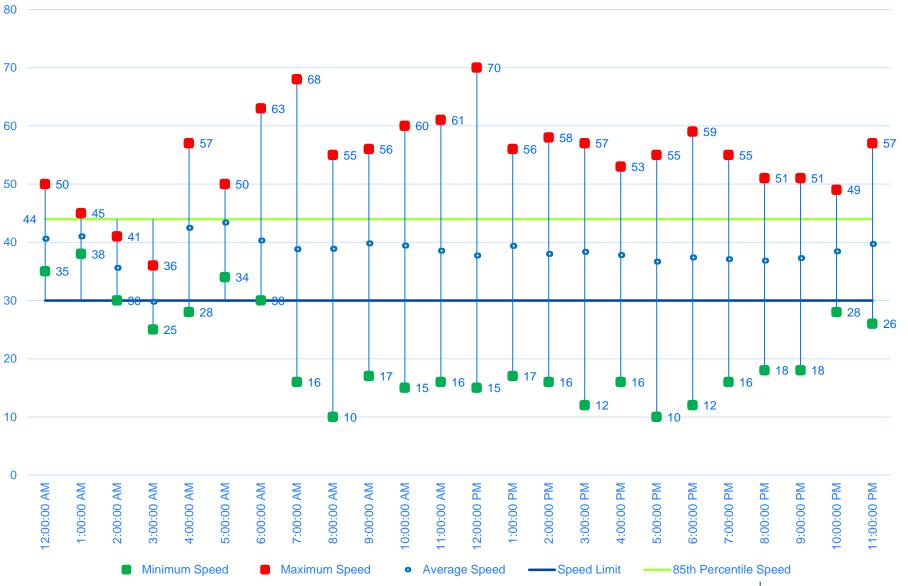


Albany Avenue: Traveling from Best Road to Sunset Avenue Entering the Village



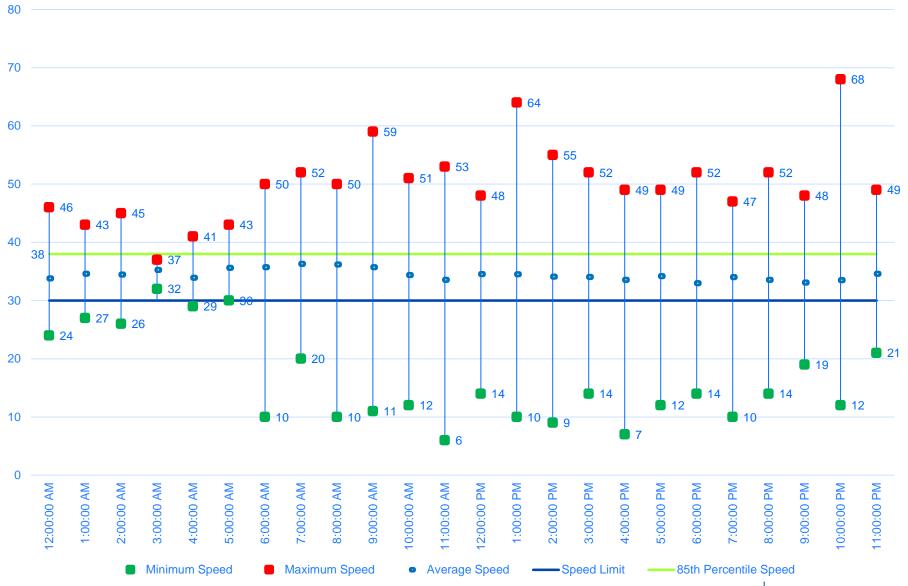


Albany Avenue: Traveling from Sunset Avenue to Best Road Exiting the Village





Hudson Street: Traveling from the Village Line to Route 9 Entering the Village





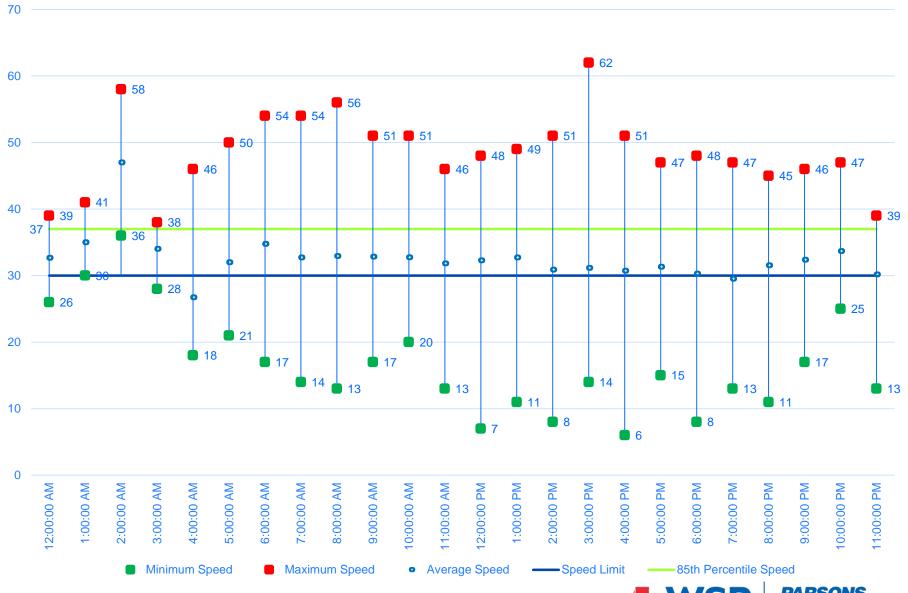
Hudson Street: Traveling from Route 9 to the Village Line Exiting the Village





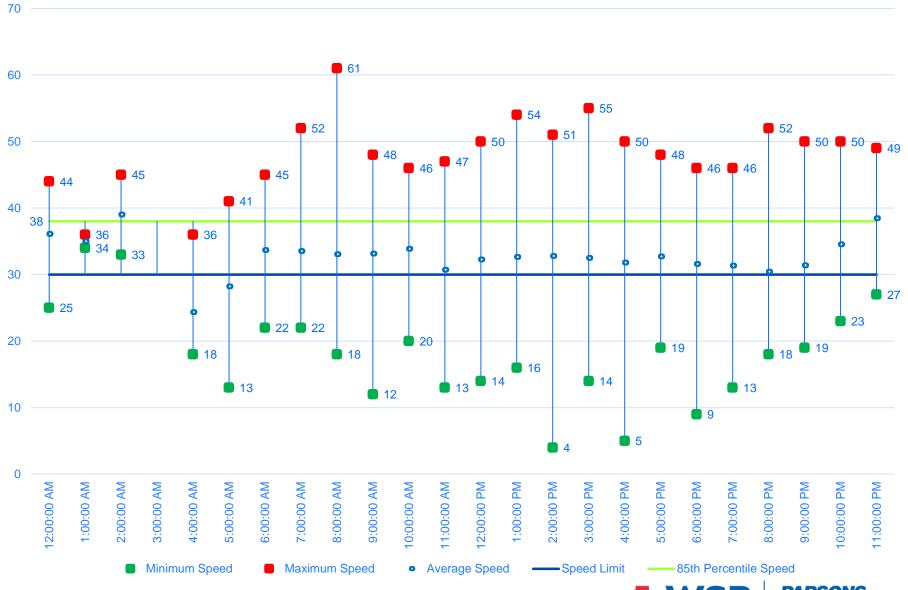


Eichybush Road: Traveling from Gaffney Lane to Route 9 Entering the Village



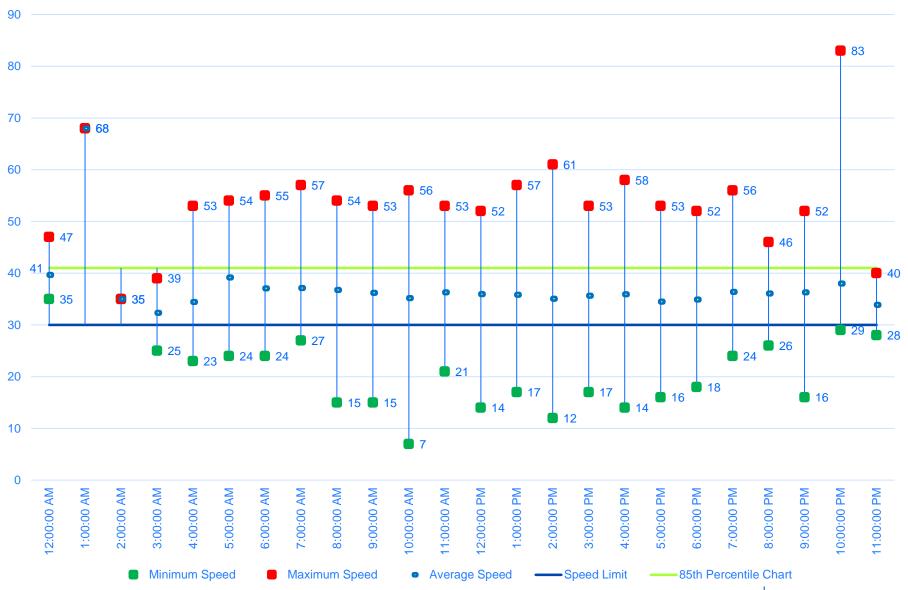


Eichybush Road: Traveling from Route 9 to Gaffney Lane Exiting the Village



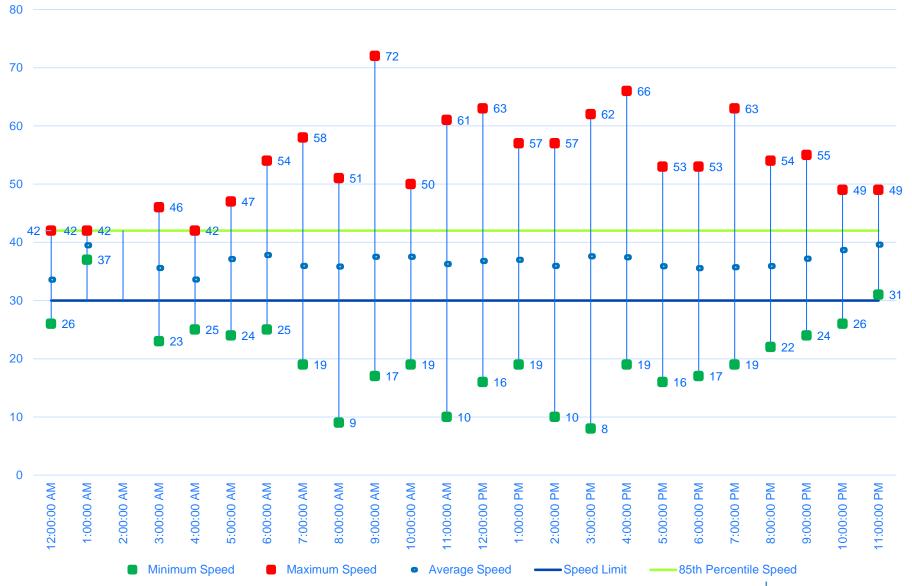


Eichybush Road: Traveling from Best Road to Gaffney Lane Entering the Village





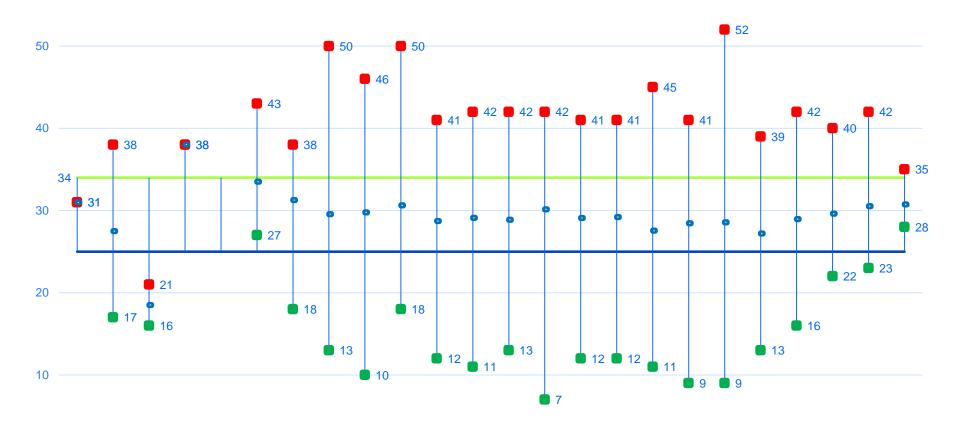
Eichybush Road: Traveling from Gaffney Lane to Best Road Exiting the Village

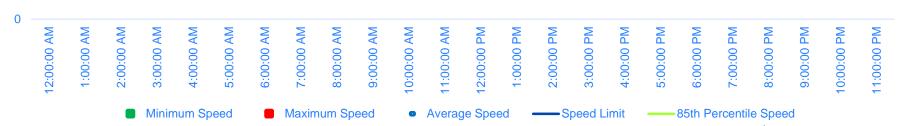




Gaffney Lane: Traveling from Eichybush Road to Route 9



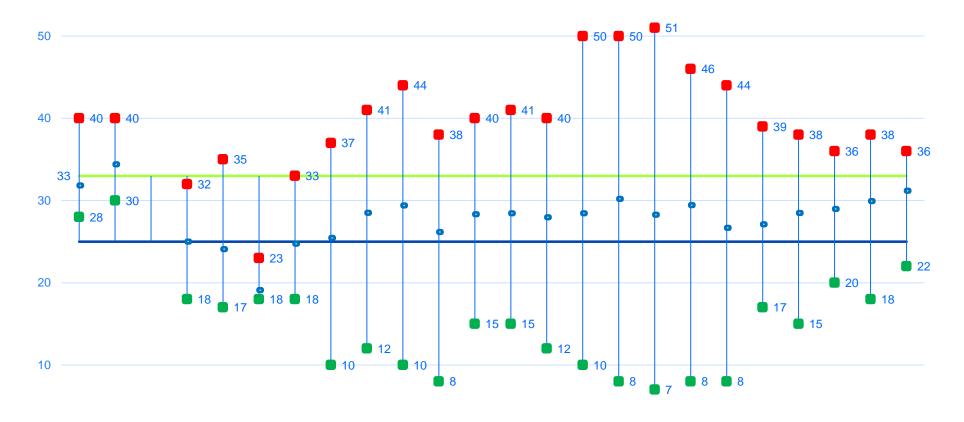






Gaffney Lane: Traveling from Route 9 to Eichybush Road









TRAFFIC CALMING MEASURES

Traffic Calming Measures	Average Speed Reduction (MPH)	Albany Avenue: Route 9 to Sunset Avenue	Albany Avenue: Sunset Avenue to Village Line	Hudson Street	Eichybush Road: Route 9 to Gaffney Lane	Eichybush Road: Gaffney Lane to Village Line	Gaffney Lane	Williams Street
Speed Humps	-7							
Bulb-Out	-3							
Reduce Lane Width with Markings	-1							
Converging Chevrons	-4							
Optical Speed Bars	-2							
Speed Activated Speed Limit Sign	-5							
Speed Feedback Sign	-4							
Speed Feedback Sign with Action Message	-3							
Entrance Treatments	-7							

Recommended Measures	
Measures under Consideration	



TRAFFIC CALMING MEASURES















TRAFFIC CALMING MEASURES – ENTRANCE TREATMENTS

















RECOMMENDED TRAFFIC CALMING MEASURES

Short Term

- Portable Speed Signs (\$4500 Each)
 - Set up at various areas around the Village
 - Traffic data to be collected while in use to determine effectiveness
- → Entrance Treatments near Village Line (\$700 Each)
 - Albany Avenue
 - Hudson Street
 - Eichybush Road
- → Larger and more frequent speed limit signs (\$250 Each)

Future

- Permanent speed feedback signs for vehicles entering the Village (\$4000 Each)
 - Albany Avenue near Best Road
 - Hudson Street near Kinderhook Creek
 - Eichybush Road near Best Road
- → Removable Speed Humps (\$5200 Each)
 - Installed on Gaffney Lane and Eichybush Road between Gaffney Lane and US 9
 - Removed in winter to facilitate the use of snow plows
- → Bulb-Outs on Hudson Street at intersections (\$2000 Each)



SUMMARY



- → Scope of the Study
- → Data Collection
- → Findings
- → Traffic Calming Measures



QUESTIONS AND ANSWERS



Thank you!

Village Committee

Mayor Jim Dunham

Brian Murphy

Laura Darman

Jeff Richards

WSP | Parsons Brinckerhoff Brian Doherty, PE Ben Wolfe, PE

