

**APPENDIX C**

**Additional Traffic Data**

ATTACHMENT  
Response 3.8-4

Traffic Count

WEEKEND PEAK 15 MINUTE COUNTS

PROJECT Raleigh and Heiden Properties  
 LOCATION CR 161, and CR 109  
 DATE Friday August 26, 2011  
 TIME 1:00 PM to 6:00 PM

15 Minute Traffic

START TIME	END TIME	CR 161 SB			Total	CR 109 EB			Total	CR 161 NB			Total	left thru right	Total	GRAND TOTAL
		left	thru	right		left	thru	right		left	thru	right				
		1	2			3	4			5	6					
01:00 PM	01:15 PM	34	3	37	3	17	20	63	13	50	63					120
01:15 PM	01:30 PM	34	2	36	6	16	22	63	7	56	63					121
01:30 PM	01:45 PM	46	8	54	8	12	20	87	14	73	87					161
01:45 PM	02:00 PM	50	2	52	4	11	15	87	15	72	87					154
02:00 PM	02:15 PM	41	2	43	5	18	23	83	15	68	83					149
02:15 PM	02:30 PM	28	2	30	4	13	17	76	11	65	76					123
02:30 PM	02:45 PM	49	5	54	7	6	13	83	15	68	83					150
02:45 PM	03:00 PM	36	5	41	3	19	22	85	18	67	85					148
03:00 PM	03:15 PM	42	4	46	6	14	20	85	14	71	85					151
03:15 PM	03:30 PM	41	2	43	3	13	16	89	19	70	89					148
03:30 PM	03:45 PM	48	9	57	8	17	25	115	18	97	115					197
03:45 PM	04:00 PM	48	4	52	7	20	27	100	17	83	100					179
04:00 PM	04:15 PM	48	3	51	5	22	27	116	14	102	116					194
04:15 PM	04:30 PM	41	4	45	7	13	20	87	18	69	87					152
04:30 PM	04:45 PM	47	5	52	1	17	18	95	20	75	95					165
04:45 PM	05:00 PM	38	8	46	5	20	25	94	20	74	94					165
05:00 PM	05:15 PM	45	1	46	3	16	19	94	17	77	94					159
05:15 PM	05:30 PM	44	2	46	3	13	16	91	18	73	91					153
05:30 PM	05:45 PM	36	6	42	2	16	18	65	11	54	65					125
05:45 PM	06:00 PM	49	4	53	1	12	13	88	14	74	88					154
TOTAL		845	81	926	91	305	396	1746	308	1438	1746					3068



ATTACHMENT  
Response 3.8-6

Figure 3.8-1



ATTACHMENT  
Response 3.8-7

Figures 3.8-7a and 3.8-7b

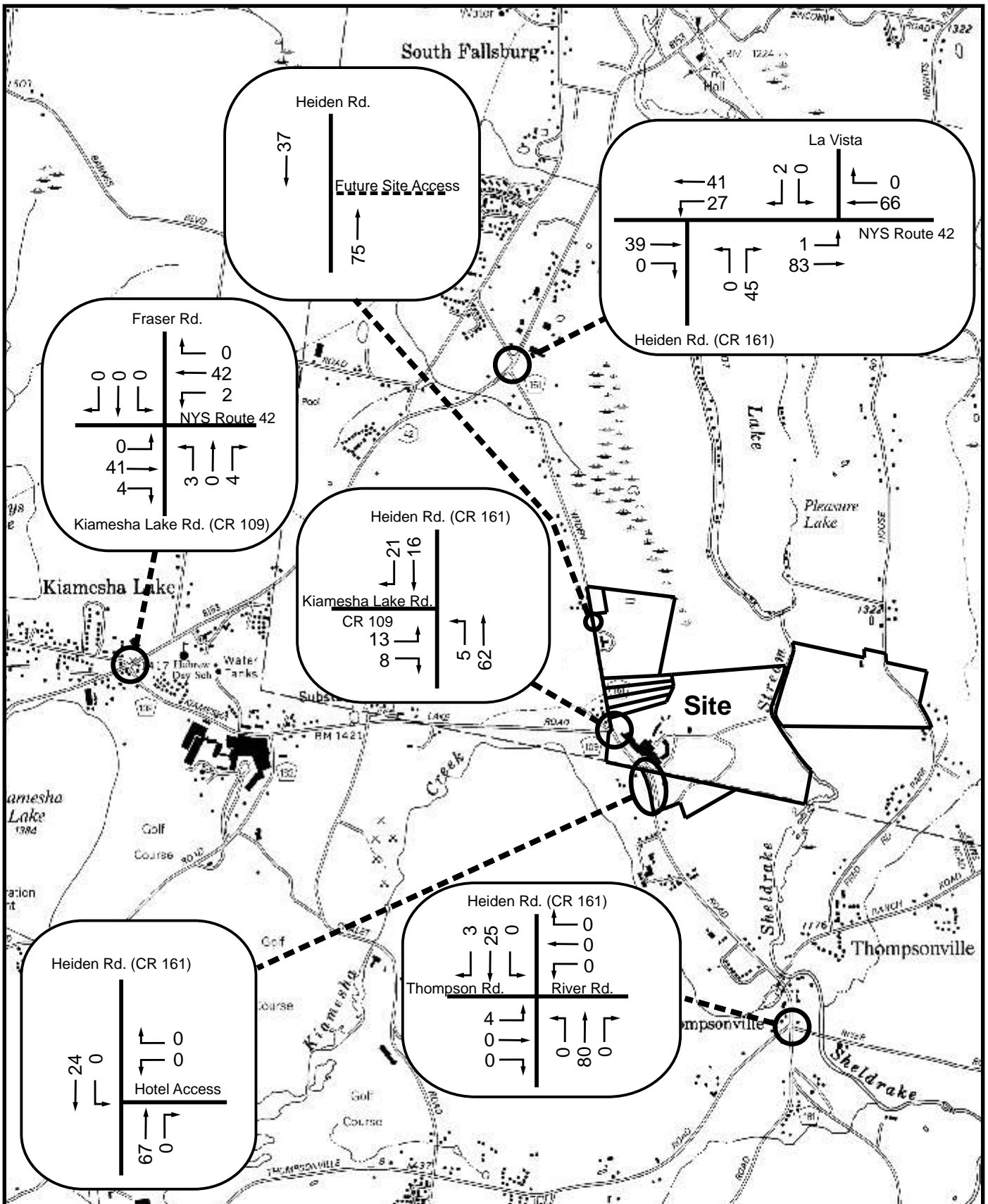
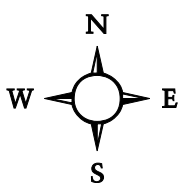


Figure: 3.8-7a: No Build Projects Generated Friday Peak Hour Traffic  
 Raleigh and Heiden Properties

Town of Fallsburg, Sullivan County, New York

Base Map: US DOT 7.5-minute Planimetric Map, Monticello Quad

Scale: 1" = 2,000'



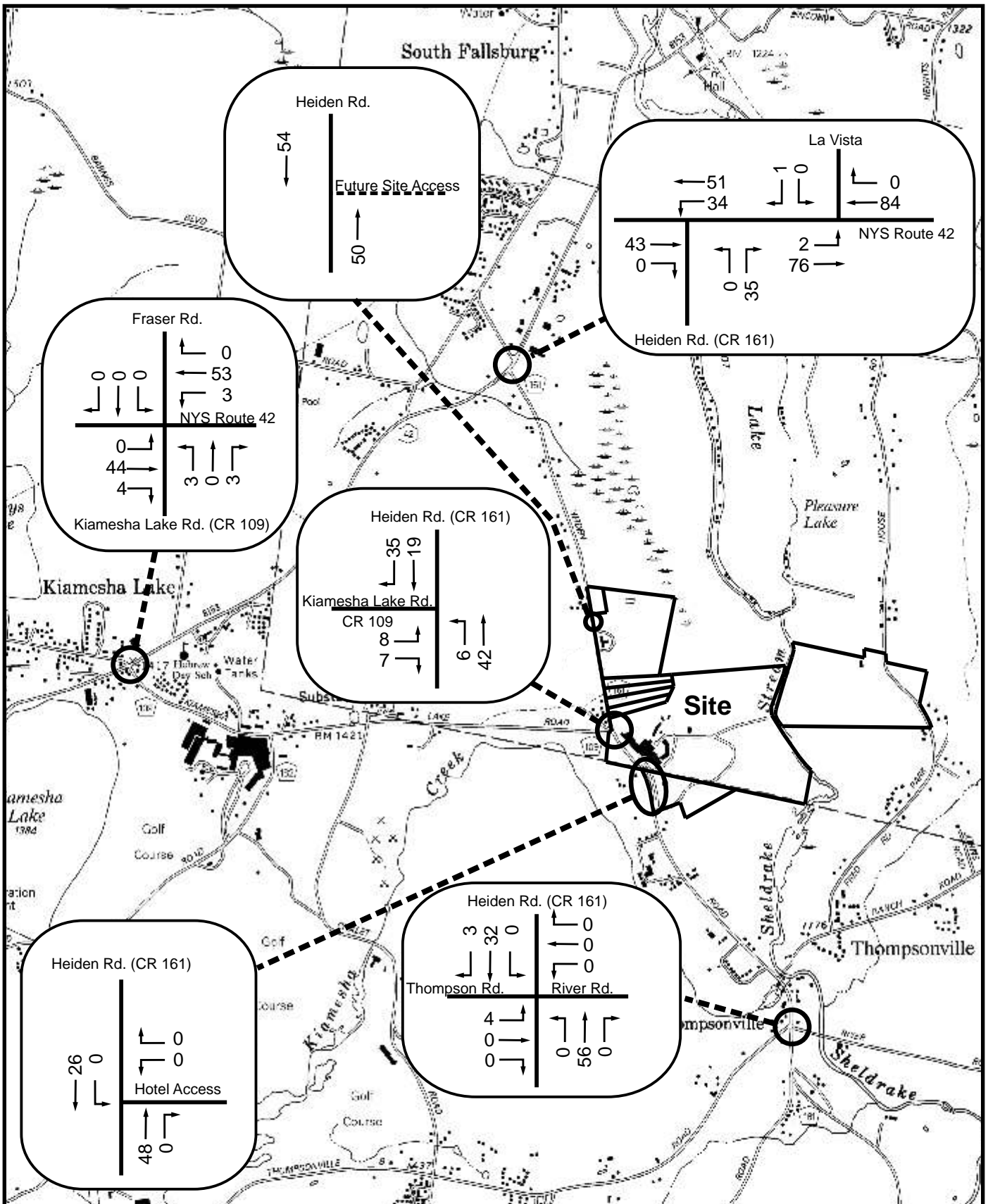
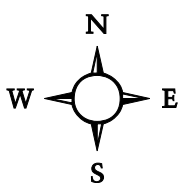


Figure: 3.8-7b: No Build Projects Generated Sunday Peak Hour Traffic  
 Raleigh and Heiden Properties

Town of Fallsburg, Sullivan County, New York

Base Map: US DOT 7.5-minute Planimetric Map, Monticello Quad

Scale: 1" = 2,000'



ATTACHMENT  
Response 3.8-9

Distribution Sensitivity

Table 3.8-9 shows the relative volume changes indicated by “#” based on the Friday site traffic departure pattern shifting from 31 percent to 21 percent for southbound Heiden Road (CR 161) at Thompson Road and Sunday site traffic arrival pattern shifting from 30 percent to 20 percent for northbound Heiden Road (CR 161) at Thompson Road. These delays can be compared to delay increases for volume increases in the No Build and Build Conditions at the same intersections. Approaches impacted have existing levels of service A or B. The relative volume changes are small compared to volume changes anticipated on these approaches. See also Response 3.8-11 and 3.8-13.

<b>FEIS Comment Table 3.8-9</b>							
<b>Relative Sensitivity of 10 Percent Volume Shifts in Off-peak Direction of Site Traffic on Heiden Road</b>							
<b>Intersection Road</b>	<b>Lane Group Approach Direction - Movement</b>	<b>Summer Friday P.M. Peak Hour</b>			<b>Summer Sunday PM Peak Hour</b>		
		<b>Existing Level of Service, (Delay), and Volume</b>	<b>No Build Volume and [Delay] Changes from Existing</b>	<b>Build Volume and [Delay] Changes from No Build</b>	<b>Existing Level of Service, (Delay), and Volume</b>	<b>No Build Volume and [Delay] Changes from Existing</b>	<b>Build Volume and [Delay] Changes from No Build</b>
<b>Heiden Road ( CR 161), River Road, and Thompsonville Road (unsignalized)</b>							
Heiden Rd. CR 161	NB - L, T, R	A (7.6) 405	113 (0.2)	44 (0.0)	A (7.9) 158	69 (0.3)	35 (0.1)
	SB - L, T, R	A (8.2) 184	43 (0.3)	29 (0.2) -9#	A (7.6) 294	59 (0.3)	36 (0.1) -12#
River Road	WB - L, T, R	B (14.5) 1	0 (3.2)	0 (1.7)	A (9.4) 2	0 (0.5)	0 (0.4)
Thompsonville Rd	EB - L, T, R	C (15.2) 32	6 (4.8)	4 (3.4)	B (13.7) 27	5 (3.5)	3 (2.5)
<b>Heiden Road (CR 161) and Kiamesha Lake Road (CR 109) (unsignalized)</b>							
Heiden Rd. CR 161	NB - L, T	A (7.7) 409	91 (0.2)	50 (0.1) +4#	A (8.1) 302	73 (0.3)	56 (0.3)
Kiamesha Lake Rd	EB - L, R	B (11.5) 67	27 (2.7)	72 (7.6)	B (12.4) 85	22 (2.8)	60 (9.3) +8#
Heiden Rd. CR 161	SB - T, R	193 **	53 **	22 ** +0#***	243 **	74 **	27 **
<b>NYS Route 42, Fraser Road and Kiamesha Lake Road (CR 109) (signalized)</b>							
NYS Route 42	EB - L, T, R	A (7.9) 510	87 (1.6)	35 (0.9)	B (11.9) 688	104 (6.1)	28 (3.5) +4#
	WB - L, T, R	A (8.0) 524	87(1.5)	0 (0.0)	A (9.3) 623	107 (2.9)	0 (0.1)
Kiamesha Lake Rd	NB - L, T, R	B (19.8) 71	11 (0.6)	21 (2.2) +4#	B (18.7) 46	10 (0.3)	27 (1.4)
Fraser Road	SB - L, T, R	C (20.5) 127	11 (0.4)	0 (0.3)	C (24.2) 151	12 (2.4)	0 (-0.2)
NB = Northbound, SB = Southbound, EB = Eastbound, WB = Westbound. L = left, R= right, T = through, (e.g. WB-L = Westbound left).							
* Where theoretical delays exceed 120 seconds per vehicles delays are not anticipated as shown rather other compensating changes would be expected from drivers to reduce delays. The theoretical delays would therefore not likely occur but would manifest in other mostly negative operational changes.							
** Priority movements no delay and level of service A.							
*** Traffic shifts from through to right turns on this approach which would reduce delays on other approaches.							
# Volume changes based from the Build Condition based on shifting ten percent of the departing Friday site traffic away from southbound Heiden Road (CR 161) toward the Thompson Road intersection and ten percent of the arriving Sunday traffic away from northbound Heiden Road at the Thompson Road intersection.							

ATTACHMENT  
Response 3.8-11

Table 3.8-6  
Computation Sheets 2 and 25

The computation sheet for the Existing Condition of the intersection of Heiden Road (CR 161) and Kiamesha Lake Road (CR 109) for the Friday peak hour (DEIS Appendix F Attachment 4 Page 2) has been corrected. Levels of service and volume to capacity ratios have remained unchanged. The eastbound approach (Kiamesha Lake Road) delay changes to 11.5 seconds, still a level of service B. The change in delay does not alter the acceptable results.

The computation sheet for the intersection of NYS Route 42 and La Vista Drive, Build Condition, Friday peak hour (DEIS Appendix F Attachment 4 page 25), has been corrected and added to this FEIS Appendix C attachment.

DEIS Table 3.8-6 has been revised below as FEIS Table 3.8-6.

FEIS Table 3.8-6 Level of Service Summary All Conditions							
Intersection Road	Lane Group Approach Direction - Movement	Levels of Service, (Delay in seconds per vehicle), and Volume to Capacity Ratio					
		Summer Friday P.M. Peak Hour			Summer Sunday PM Peak Hour		
		Existing	No Build	Build	Existing	No Build	Build
<b>Heiden Road ( CR 161), River Road, and Thompsonville Road (unsignalized)</b>							
Heiden Rd. CR 161	NB - L, T, R	A (7.6) 0.01	A (7.8) 0.01	A (7.8) 0.01	A (7.9) 0.00	A (8.2) 0.00	A (8.3) 0.00
	SB - L, T, R	A (8.2) 0.00	A (8.5) 0.00	A (8.7) 0.00	A (7.6) 0.00	A (7.9) 0.00	A (8.0) 0.00
River Road	WB - L, T, R	B (14.5) 0.01	C (17.7) 0.01	C (19.4) 0.02	A (9.4) 0.00	A (9.9) 0.01	B (10.3) 0.01
Thompsonville Rd	EB - L, T, R	C (15.2) 0.14	C (20.0) 0.22	C (23.4) 0.27	B (13.7) 0.08	C (17.2) 0.13	C (19.7) 0.17
<b>Heiden Road (CR 161) and Kiamesha Lake Road (CR 109) (unsignalized)</b>							
Heiden Rd. CR 161	NB - L, T	A (7.7) 0.03	A (7.9) 0.04	A (8.0) 0.07	A (8.1) 0.07	A (8.4) 0.09	A (8.7) 0.09
Kiamesha Lake Rd	EB - L, R	B (11.5) 0.12	B (14.2) 0.22	C (21.8) 0.49	B (12.4) 0.16	C (15.2) 0.25	C (24.5) 0.51
<b>NYS Route 42, Fraser Road, and Kiamesha Lake Road (CR 109) (signalized)</b>							
NYS Route 42	EB - L, T, R	A (7.9) 0.56	A (9.5) 0.66	B (10.4) 0.70	B (11.9) 0.76	B (18.0) 0.87	C (21.5) 0.91
	WB - L, T, R	A (8.0) 0.56	A (9.5) 0.66	A (9.5) 0.66	A (9.3) 0.65	B (12.2) 0.77	B (12.3) 0.77
Kiamesha Lake Rd	NB - L, T, R	B (19.8) 0.35	C (20.4) 0.42	C (22.6) 0.57	B (18.7) 0.19	B (19.0) 0.24	C (20.4) 0.41
Fraser Road	SB - L, T, R	C (20.5) 0.43	C (20.9) 0.48	C (21.2) 0.50	C (24.2) 0.62	C (26.6) 0.68	C (26.4) 0.68
	Overall	B (10.2) 0.53	B (11.5) 0.61	B (12.3) 0.67	B (12.6) 0.72	B (16.7) 0.82	B (18.4) 0.84
<b>Heiden Road (CR 161) and NYS Route 42 (unsignalized)</b>							
NYS Route 42	WB - L	A (9.6) 0.22	B (10.4) 0.29	B (10.5) 0.31	A (9.5) 0.26	B (10.4) 0.34	B (10.5) 0.35
Heiden Rd. CR 161	NB - L, R	F (360.8*) 1.70*	F (814.4*) 2.71*	F (879.7*) 2.85*	F (54.3) 0.85	F (257.8*) 1.44*	F (275.5*) 1.48*
<b>NYS Route 42 and La Vista Drive (unsignalized)</b>							
NYS Route 42	EB - L, T	B (10.2) 0.17	B (11.1) 0.20	B (11.2) 0.21	A (9.4) 0.12	B (10.2) 0.15	B (10.3) 0.15
La Vista Drive	SB - L, R	C (24.4) 0.42	E (39.3) 0.59	E (40.5) 0.60	C (17.5) 0.31	C (23.9) 0.42	C (24.4) 0.43
NB = Northbound, SB = Southbound, EB = Eastbound, WB = Westbound. L = left, R= right, T = through, (e.g. WB-L = Westbound left). See Appendix F for level of service calculations. * Where theoretical delays exceed 120 seconds per vehicles, or volume to capacity ratios exceed 1.2 , delays are not anticipated as shown rather other compensating changes would be expected from drivers to reduce delays. The theoretical delays would therefore not likely occur but would manifest in other mostly negative operational changes.							

TWO-WAY STOP CONTROL SUMMARY							
<b>General Information</b>				<b>Site Information</b>			
Analyst	JAG			Intersection	CR 109 and CR 161		
Agency/Co.	TMA			Jurisdiction	Town of Fallsburg		
Date Performed	12/12/2011			Analysis Year	Existing Condition		
Analysis Time Period	Friday Peak Hour						
Project Description							
East/West Street: CR 109 Kiamesha Lake Road				North/South Street: Heiden Road CR 161			
Intersection Orientation: North-South				Study Period (hrs): 0.25			
<b>Vehicle Volumes and Adjustments</b>							
<b>Major Street</b>	Northbound			Southbound			
Movement	1	2	3	4	5	6	
	L	T	R	L	T	R	
Volume (veh/h)	33	376			177	16	
Peak-Hour Factor, PHF	0.87	0.87	1.00	1.00	0.89	0.89	
Hourly Flow Rate, HFR (veh/h)	37	432	0	0	198	17	
Percent Heavy Vehicles	1	--	--	0	--	--	
Median Type	Undivided						
RT Channelized			0				0
Lanes	0	1	0	0	1	0	
Configuration	LT						TR
Upstream Signal		0			0		
<b>Minor Street</b>	Eastbound			Westbound			
Movement	7	8	9	10	11	12	
	L	T	R	L	T	R	
Volume (veh/h)	19		48				
Peak-Hour Factor, PHF	0.84	1.00	0.84	1.00	1.00	1.00	
Hourly Flow Rate, HFR (veh/h)	22	0	57	0	0	0	
Percent Heavy Vehicles	1	0	1	0	0	0	
Percent Grade (%)		0			0		
Flared Approach		N			N		
Storage		0			0		
RT Channelized			0				0
Lanes	0	0	0	0	0	0	
Configuration		LR					
<b>Delay, Queue Length, and Level of Service</b>							
Approach	Northbound	Southbound	Westbound			Eastbound	
Movement	1	4	7	8	9	10	11
Lane Configuration	LT						LR
v (veh/h)	37						79
C (m) (veh/h)	1361						634
v/c	0.03						0.12
95% queue length	0.08						0.42
Control Delay (s/veh)	7.7						11.5
LOS	A						B
Approach Delay (s/veh)	--	--					11.5
Approach LOS	--	--					B

## TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information						
Analyst	JAG	Intersection	Route 42 and La Vista					
Agency/Co.	TMA	Jurisdiction	Town of Fallsburg					
Date Performed	12/12/2011	Analysis Year	Build Condition					
Analysis Time Period	Friday Peak Hour							
Project Description								
East/West Street: NYS Route 42			North/South Street: La Vista Drive					
Intersection Orientation: East-West			Study Period (hrs): 0.25					
Vehicle Volumes and Adjustments								
Major Street	Eastbound			Westbound				
Movement	1	2	3	4	5	6		
	L	T	R	L	T	R		
Volume (veh/h)	135	921			729	155		
Peak-Hour Factor, PHF	0.90	0.90	1.00	1.00	0.93	0.93		
Hourly Flow Rate, HFR (veh/h)	150	1023	0	0	783	166		
Percent Heavy Vehicles	1	--	--	0	--	--		
Median Type	Undivided							
RT Channelized			0			0		
Lanes	0	1	0	0	1	0		
Configuration	LT					TR		
Upstream Signal		0			0			
Minor Street	Northbound			Southbound				
Movement	7	8	9	10	11	12		
	L	T	R	L	T	R		
Volume (veh/h)				18		80		
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.67	1.00	0.67		
Hourly Flow Rate, HFR (veh/h)	0	0	0	26	0	119		
Percent Heavy Vehicles	0	0	0	1	0	1		
Percent Grade (%)		0			-6			
Flared Approach		N			N			
Storage		0			0			
RT Channelized			0			0		
Lanes	0	0	0	0	0	0		
Configuration					LR			
Delay, Queue Length, and Level of Service								
Approach	Eastbound	Westbound	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	LT						LR	
v (veh/h)	150						145	
C (m) (veh/h)	728						240	
v/c	0.21						0.60	
95% queue length	0.77						3.53	
Control Delay (s/veh)	11.2						40.5	
LOS	B						E	
Approach Delay (s/veh)	--	--					40.5	
Approach LOS	--	--					E	

**ATTACHMENT**  
**Response 3.8-12**

**Figures 3.8-11 and 3.8-12 revised**  
**Tables 3.8-12a and 3.8-12b**  
**Computation Sheets 1 to 6**

<b>Table 3.8-12a Raleigh Hotel Trip Rate Summary</b>				
<b>Land Uses {ITE Code}</b>	<b>Peak Hour Trip Rates</b>			
	<b>Weekday P.M.</b>		<b>Saturday</b>	
	<b>IN (Trips/ Room)</b>	<b>OUT (Trips/ Room)</b>	<b>IN (Trips/ Room)</b>	<b>OUT (Trips/ Room)</b>
Hotel 320 rooms {310}	0.354	0.256	0.390	0.394

Trip Generation, Institute of Transportation Engineers, 8th edition, Washington, DC, 2008.

<b>Table 3.8-12b Raleigh Hotel Trip Generation</b>				
<b>Land Uses</b>	<b>Peak Hour Trip</b>			
	<b>Weekday P.M.</b>		<b>Saturday</b>	
	<b>IN (Trips)</b>	<b>OUT (Trips)</b>	<b>IN (Trips)</b>	<b>OUT (Trips)</b>
Hotel 320 rooms {310}	113	82	99	126

Trip Generation, Institute of Transportation Engineers, 8th edition, Washington, DC, 2008.

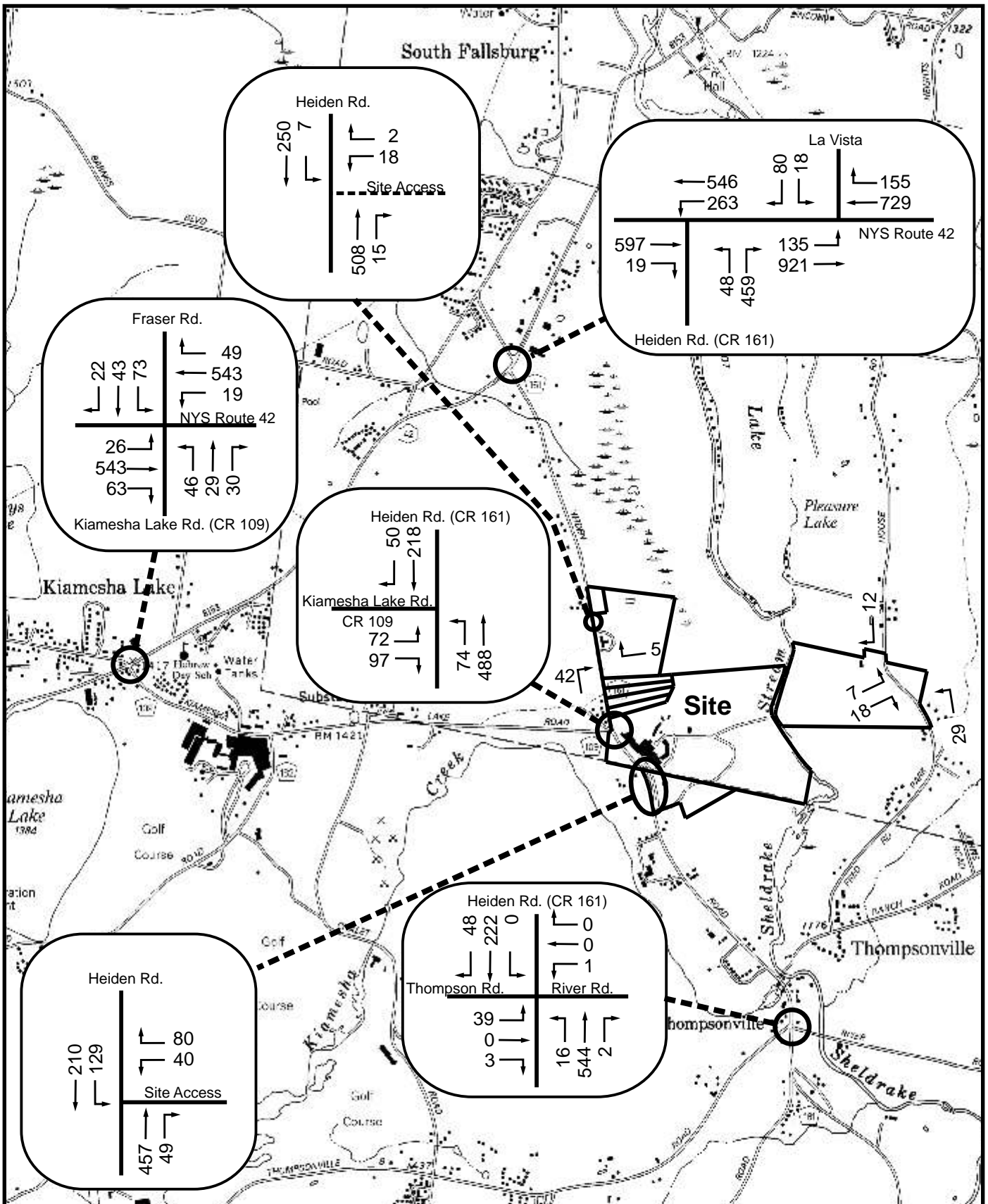
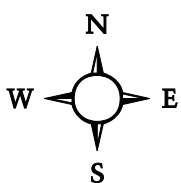


Figure 3.8-11 Revised: Build Summer Friday Peak Hour Traffic  
 Raleigh and Heiden Properties  
 Town of Fallsburg, Sullivan County, New York  
 Base Map: US DOT 7.5-minute Planimetric Map, Monticello Quad  
 Scale: 1" = 2,000'



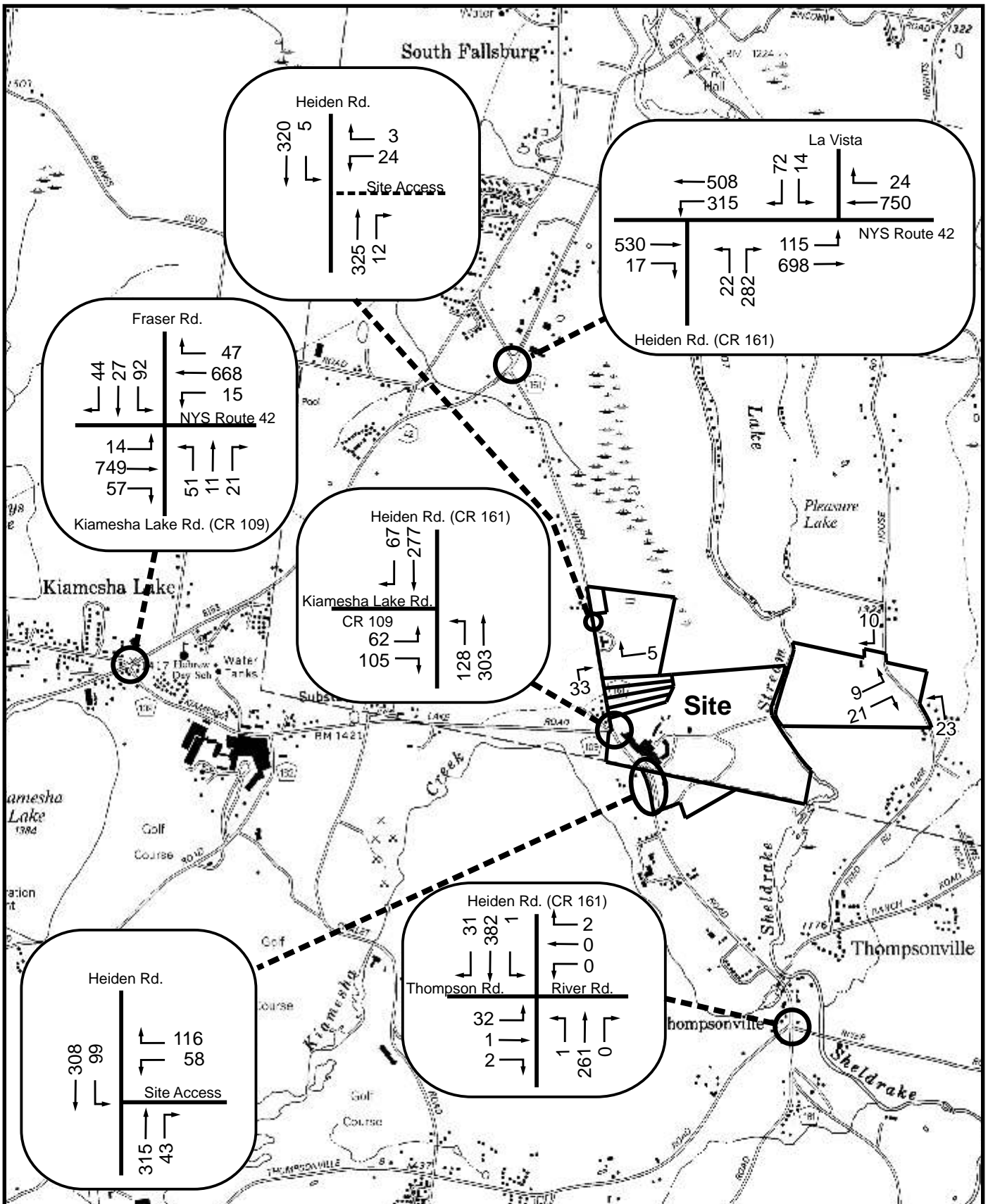
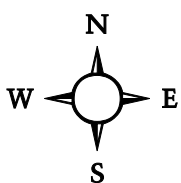


Figure 3.8-12 revised: Build Summer Sunday Peak Hour Traffic  
 Raleigh and Heiden Properties  
 Town of Fallsburg, Sullivan County, New York  
 Base Map: US DOT 7.5-minute Planimetric Map, Monticello Quad  
 Scale: 1" = 2,000'



<b>Table 3.8-12c Accesses to Heiden Road Level of Service Summary Build Condition</b>			
<b>Intersection Road</b>	<b>Lane Group</b>	<b>Levels of Service, (Delay in seconds per vehicle), and Volume to Capacity Ratio</b>	
		<b>Build Condition</b>	
	<b>Approach Direction - Movement</b>	<b>Summer Friday P.M. Peak Hour</b>	<b>Summer Sunday PM Peak Hour</b>
<b>Heiden Road (CR 161) and South Access (unsignalized)</b>			
Heiden Rd. CR 161	SB - L, T	A (9.2) 0.15	A (8.6) 0.11
South access*	WB - L, R	C (21.5) 0.38	C (22.0) 0.48
<b>Heiden Road (CR 161) and Center Access (unsignalized)</b>			
Heiden Rd. CR 161	SB - L, T	---	---
Center access	WB - L, R	B (12.4) 0.01	B (10.8) 0.01
<b>Heiden Road (CR 161) and North Access (unsignalized)</b>			
Heiden Rd. CR 161	SB - L, T	A (8.7) 0.01	A (8.1) 0.01
North access	WB - L, R	C (17.0) 0.07	C (15.7) 0.08
NB = Northbound, SB = Southbound, EB = Eastbound, WB = Westbound.			
L = left, R= right, T = through, (e.g. WB-L = Westbound left).			
See following pages for level of service calculations.			
*Includes hotel traffic.			

TWO-WAY STOP CONTROL SUMMARY								
General Information				Site Information				
Analyst	JAG			Intersection	South access and CR 161			
Agency/Co.	TMA			Jurisdiction	Town of Thompson			
Date Performed	12/19/2011			Analysis Year	Build Codition			
Analysis Time Period	Friday Peak Hour							
Project Description								
East/West Street: south site access				North/South Street: Heiden Road CR 161				
Intersection Orientation: North-South				Study Period (hrs): 0.25				
Vehicle Volumes and Adjustments								
Major Street	Northbound			Southbound				
Movement	1	2	3	4	5	6		
	L	T	R	L	T	R		
Volume (veh/h)		457	49	129	210			
Peak-Hour Factor, PHF	1.00	0.87	0.87	0.87	0.87	1.00		
Hourly Flow Rate, HFR (veh/h)	0	525	56	148	241	0		
Percent Heavy Vehicles	0	--	--	1	--	--		
Median Type	Undivided							
RT Channelized			0			0		
Lanes	0	1	0	0	1	0		
Configuration			TR	LT				
Upstream Signal		0			0			
Minor Street	Eastbound			Westbound				
Movement	7	8	9	10	11	12		
	L	T	R	L	T	R		
Volume (veh/h)				40		80		
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.90	1.00	0.90		
Hourly Flow Rate, HFR (veh/h)	0	0	0	44	0	88		
Percent Heavy Vehicles	0	0	0	0	0	0		
Percent Grade (%)		0			0			
Flared Approach		N			N			
Storage		0			0			
RT Channelized			0			0		
Lanes	0	0	0	0	0	0		
Configuration					LR			
Delay, Queue Length, and Level of Service								
Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration		LT		LR				
v (veh/h)		148		132				
C (m) (veh/h)		998		348				
v/c		0.15		0.38				
95% queue length		0.52		1.72				
Control Delay (s/veh)		9.2		21.5				
LOS		A		C				
Approach Delay (s/veh)	--	--	21.5					
Approach LOS	--	--	C					

TWO-WAY STOP CONTROL SUMMARY							
General Information				Site Information			
Analyst	JAG			Intersection	Center access and CR 161		
Agency/Co.	TMA			Jurisdiction	Town of Fallsburg		
Date Performed	12/19/2011			Analysis Year	Build Codition		
Analysis Time Period	Friday Peak Hour						
Project Description							
East/West Street: Center site access				North/South Street: Heiden Road CR 161			
Intersection Orientation: North-South				Study Period (hrs): 0.25			
Vehicle Volumes and Adjustments							
Major Street	Northbound			Southbound			
Movement	1	2	3	4	5	6	
	L	T	R	L	T	R	
Volume (veh/h)		518	42		268		
Peak-Hour Factor, PHF	1.00	0.87	0.87	1.00	0.87	1.00	
Hourly Flow Rate, HFR (veh/h)	0	595	48	0	308	0	
Percent Heavy Vehicles	0	--	--	0	--	--	
Median Type	Undivided						
RT Channelized			0			0	
Lanes	0	1	0	0	1	0	
Configuration			TR		T		
Upstream Signal		0			0		
Minor Street	Eastbound			Westbound			
Movement	7	8	9	10	11	12	
	L	T	R	L	T	R	
Volume (veh/h)						5	
Peak-Hour Factor, PHF	1.00	1.00	1.00	1.00	1.00	0.90	
Hourly Flow Rate, HFR (veh/h)	0	0	0	0	0	5	
Percent Heavy Vehicles	0	0	0	0	0	0	
Percent Grade (%)		0			0		
Flared Approach		N			N		
Storage		0			0		
RT Channelized			0			0	
Lanes	0	0	0	0	0	1	
Configuration						R	
Delay, Queue Length, and Level of Service							
Approach	Northbound	Southbound	Westbound			Eastbound	
Movement	1	4	7	8	9	10	11
Lane Configuration					R		
v (veh/h)					5		
C (m) (veh/h)					492		
v/c					0.01		
95% queue length					0.03		
Control Delay (s/veh)					12.4		
LOS					B		
Approach Delay (s/veh)	--	--	12.4				
Approach LOS	--	--	B				

TWO-WAY STOP CONTROL SUMMARY								
General Information				Site Information				
Analyst	JAG			Intersection	North access and CR 161			
Agency/Co.	TMA			Jurisdiction	Town of Fallsburg			
Date Performed	12/19/2011			Analysis Year	Build Codition			
Analysis Time Period	Friday Peak Hour							
Project Description								
East/West Street: North site access				North/South Street: Heiden Road CR 161				
Intersection Orientation: North-South				Study Period (hrs): 0.25				
Vehicle Volumes and Adjustments								
Major Street	Northbound			Southbound				
Movement	1	2	3	4	5	6		
	L	T	R	L	T	R		
Volume (veh/h)		508	15	7	250			
Peak-Hour Factor, PHF	1.00	0.87	0.87	0.87	0.87	1.00		
Hourly Flow Rate, HFR (veh/h)	0	583	17	8	287	0		
Percent Heavy Vehicles	0	--	--	0	--	--		
Median Type	Undivided							
RT Channelized			0			0		
Lanes	0	1	0	0	1	0		
Configuration			TR	LT				
Upstream Signal		0			0			
Minor Street	Eastbound			Westbound				
Movement	7	8	9	10	11	12		
	L	T	R	L	T	R		
Volume (veh/h)				18		2		
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.90	1.00	0.90		
Hourly Flow Rate, HFR (veh/h)	0	0	0	20	0	2		
Percent Heavy Vehicles	0	0	0	0	0	0		
Percent Grade (%)		0			0			
Flared Approach		N			N			
Storage		0			0			
RT Channelized			0			0		
Lanes	0	0	0	0	0	0		
Configuration					LR			
Delay, Queue Length, and Level of Service								
Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration		LT		LR				
v (veh/h)		8		22				
C (m) (veh/h)		987		322				
v/c		0.01		0.07				
95% queue length		0.02		0.22				
Control Delay (s/veh)		8.7		17.0				
LOS		A		C				
Approach Delay (s/veh)	--	--	17.0					
Approach LOS	--	--	C					

TWO-WAY STOP CONTROL SUMMARY							
<b>General Information</b>				<b>Site Information</b>			
Analyst	JAG			Intersection	South access and CR 161		
Agency/Co.	TMA			Jurisdiction	Town of Thompson		
Date Performed	12/19/2011			Analysis Year	Build Codition		
Analysis Time Period	Sunday Peak Hour						
Project Description							
East/West Street: south site access				North/South Street: Heiden Road CR 161			
Intersection Orientation: North-South				Study Period (hrs): 0.25			
<b>Vehicle Volumes and Adjustments</b>							
<b>Major Street</b>		Northbound			Southbound		
Movement	1	2	3	4	5	6	
	L	T	R	L	T	R	
Volume (veh/h)		315	43	99	308		
Peak-Hour Factor, PHF	1.00	0.81	0.81	0.80	0.80	1.00	
Hourly Flow Rate, HFR (veh/h)	0	388	53	123	384	0	
Percent Heavy Vehicles	0	--	--	1	--	--	
Median Type	Undivided						
RT Channelized			0			0	
Lanes	0	1	0	0	1	0	
Configuration			TR	LT			
Upstream Signal		0			0		
<b>Minor Street</b>		Eastbound			Westbound		
Movement	7	8	9	10	11	12	
	L	T	R	L	T	R	
Volume (veh/h)				58		116	
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.90	1.00	0.90	
Hourly Flow Rate, HFR (veh/h)	0	0	0	64	0	128	
Percent Heavy Vehicles	0	0	0	0	0	0	
Percent Grade (%)		0			0		
Flared Approach		N			N		
Storage		0			0		
RT Channelized			0			0	
Lanes	0	0	0	0	0	0	
Configuration					LR		
<b>Delay, Queue Length, and Level of Service</b>							
Approach	Northbound	Southbound	Westbound			Eastbound	
Movement	1	4	7	8	9	10	11
Lane Configuration		LT		LR			
v (veh/h)		123		192			
C (m) (veh/h)		1124		400			
v/c		0.11		0.48			
95% queue length		0.37		2.52			
Control Delay (s/veh)		8.6		22.0			
LOS		A		C			
Approach Delay (s/veh)	--	--	22.0				
Approach LOS	--	--	C				

TWO-WAY STOP CONTROL SUMMARY							
General Information				Site Information			
Analyst	JAG			Intersection	Center access and CR 161		
Agency/Co.	TMA			Jurisdiction	Town of Fallsburg		
Date Performed	12/19/2011			Analysis Year	Build Codition		
Analysis Time Period	Sunday Peak Hour						
Project Description							
East/West Street: Center site access				North/South Street: Heiden Road CR 161			
Intersection Orientation: North-South				Study Period (hrs): 0.25			
Vehicle Volumes and Adjustments							
Major Street	Northbound			Southbound			
Movement	1	2	3	4	5	6	
	L	T	R	L	T	R	
Volume (veh/h)		332	33		344		
Peak-Hour Factor, PHF	1.00	0.81	0.81	1.00	0.80	1.00	
Hourly Flow Rate, HFR (veh/h)	0	409	40	0	429	0	
Percent Heavy Vehicles	0	--	--	0	--	--	
Median Type	Undivided						
RT Channelized			0			0	
Lanes	0	1	0	0	1	0	
Configuration			TR		T		
Upstream Signal		0			0		
Minor Street	Eastbound			Westbound			
Movement	7	8	9	10	11	12	
	L	T	R	L	T	R	
Volume (veh/h)						5	
Peak-Hour Factor, PHF	1.00	1.00	1.00	1.00	1.00	0.90	
Hourly Flow Rate, HFR (veh/h)	0	0	0	0	0	5	
Percent Heavy Vehicles	0	0	0	0	0	0	
Percent Grade (%)		0			0		
Flared Approach		N			N		
Storage		0			0		
RT Channelized			0			0	
Lanes	0	0	0	0	0	1	
Configuration						R	
Delay, Queue Length, and Level of Service							
Approach	Northbound	Southbound	Westbound			Eastbound	
Movement	1	4	7	8	9	10	11
Lane Configuration					R		
v (veh/h)					5		
C (m) (veh/h)					630		
v/c					0.01		
95% queue length					0.02		
Control Delay (s/veh)					10.8		
LOS					B		
Approach Delay (s/veh)	--	--	10.8				
Approach LOS	--	--	B				

TWO-WAY STOP CONTROL SUMMARY							
<b>General Information</b>				<b>Site Information</b>			
Analyst	JAG			Intersection	North access and CR 161		
Agency/Co.	TMA			Jurisdiction	Town of Fallsburg		
Date Performed	12/19/2011			Analysis Year	Build Codition		
Analysis Time Period	Sunday Peak Hour						
Project Description							
East/West Street: North site access				North/South Street: Heiden Road CR 161			
Intersection Orientation: North-South				Study Period (hrs): 0.25			
<b>Vehicle Volumes and Adjustments</b>							
<b>Major Street</b>		Northbound			Southbound		
Movement	1	2	3	4	5	6	
	L	T	R	L	T	R	
Volume (veh/h)		325	12	5	320		
Peak-Hour Factor, PHF	1.00	0.81	0.81	0.80	0.80	1.00	
Hourly Flow Rate, HFR (veh/h)	0	401	14	6	399	0	
Percent Heavy Vehicles	0	--	--	0	--	--	
Median Type	Undivided						
RT Channelized			0			0	
Lanes	0	1	0	0	1	0	
Configuration			TR	LT			
Upstream Signal		0			0		
<b>Minor Street</b>		Eastbound			Westbound		
Movement	7	8	9	10	11	12	
	L	T	R	L	T	R	
Volume (veh/h)				24		3	
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.90	1.00	0.90	
Hourly Flow Rate, HFR (veh/h)	0	0	0	26	0	3	
Percent Heavy Vehicles	0	0	0	0	0	0	
Percent Grade (%)		0			0		
Flared Approach		N			N		
Storage		0			0		
RT Channelized			0			0	
Lanes	0	0	0	0	0	0	
Configuration					LR		
<b>Delay, Queue Length, and Level of Service</b>							
Approach	Northbound	Southbound	Westbound			Eastbound	
Movement	1	4	7	8	9	10	11
Lane Configuration		LT		LR			
v (veh/h)		6		29			
C (m) (veh/h)		1155		364			
v/c		0.01		0.08			
95% queue length		0.02		0.26			
Control Delay (s/veh)		8.1		15.7			
LOS		A		C			
Approach Delay (s/veh)	--	--	15.7				
Approach LOS	--	--	C				

ATTACHMENT  
Response 3.8-13

Tables 3.8-13a and 3.8-13b  
Computation Sheets 1 of 3 to 3 of 3

Table 3.8-13a Volume Comparison All Conditions							
Intersection Road	Lane Group Approach Direction - Movement	Summer Friday P.M. Peak Hour					
		DEIS			FEIS		
		Existing	No Build	Build	Existing	No Build	Build
<b>Heiden Road (CR 161) and Kiamesha Lake Road (CR 109) (unsignalized)</b>							
Kiamesha Lake Rd	EB - L	19	34	72	27	41	79
	EB - R	48	60	97	72	83	120
Heiden Rd. CR 161	NB - L	33	41	74	67	75	108
	NB - T	376	469	488	351	427	446
Heiden Rd. CR 161	SB - T	177	208	218	185	209	219
	SB - R	16	38	50	20	42	54
NB = Northbound, SB = Southbound, EB = Eastbound, WB = Westbound. L = left, R = right, T = through, (e.g. WB-L = Westbound left). See Appendix F for level of service calculations.							

Table 3.8-13b Level of Service Summary All Conditions							
Intersection Road	Lane Group Approach Direction - Movement	Summer Friday P.M. Peak Hour Levels of Service, (Delay in seconds per vehicle), and Volume to Capacity Ratio					
		DEIS			FEIS 2011		
		Existing	No Build	Build	Existing	No Build	Build
<b>Heiden Road (CR 161) and Kiamesha Lake Road (CR 109) (unsignalized)</b>							
Heiden Rd. CR 161	NB - L, T	A (7.7) 0.03	A (7.9) 0.04	A (8.0) 0.07	A (7.8) 0.05	A (8.0) 0.06	A (8.1) 0.09
Kiamesha Lake Rd	EB - L, R	B (11.6) 0.12	B (14.2) 0.22	C (21.8) 0.49	B (12.2) 0.18	B (14.7) 0.27	C (22.7) 0.52
NB = Northbound, SB = Southbound, EB = Eastbound, WB = Westbound. L = left, R = right, T = through, (e.g. WB-L = Westbound left). Level of service calculations are on following pages.							

TWO-WAY STOP CONTROL SUMMARY								
<b>General Information</b>					<b>Site Information</b>			
Analyst	JAG				Intersection	CR 109 and CR 161		
Agency/Co.	TMA				Jurisdiction	Town of Fallsburg		
Date Performed	12/15/2011				Analysis Year	Existing Condition		
Analysis Time Period	Friday Peak Hour							
Project Description <i>base traffic 2011</i>								
East/West Street: <i>CR 109 Kiamesha Lake Road</i>					North/South Street: <i>Heiden Road CR 161</i>			
Intersection Orientation: <i>North-South</i>					Study Period (hrs): <i>0.25</i>			
<b>Vehicle Volumes and Adjustments</b>								
<b>Major Street</b>		Northbound			Southbound			
Movement	1	2	3	4	5	6		
	L	T	R	L	T	R		
Volume (veh/h)	67	351			185	20		
Peak-Hour Factor, PHF	0.90	0.90	1.00	1.00	0.90	0.90		
Hourly Flow Rate, HFR (veh/h)	74	390	0	0	205	22		
Percent Heavy Vehicles	1	--	--	0	--	--		
Median Type	<i>Undivided</i>							
RT Channelized			0					0
Lanes	0	1	0	0	1	0		
Configuration	<i>LT</i>							<i>TR</i>
Upstream Signal		0			0			
<b>Minor Street</b>		Eastbound			Westbound			
Movement	7	8	9	10	11	12		
	L	T	R	L	T	R		
Volume (veh/h)	27		72					
Peak-Hour Factor, PHF	0.92	1.00	0.92	1.00	1.00	1.00		
Hourly Flow Rate, HFR (veh/h)	29	0	78	0	0	0		
Percent Heavy Vehicles	1	0	1	0	0	0		
Percent Grade (%)		0			0			
Flared Approach		<i>N</i>			<i>N</i>			
Storage		0			0			
RT Channelized			0					0
Lanes	0	0	0	0	0	0		
Configuration		<i>LR</i>						
<b>Delay, Queue Length, and Level of Service</b>								
Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	<i>LT</i>						<i>LR</i>	
v (veh/h)	74						107	
C (m) (veh/h)	1347						609	
v/c	0.05						0.18	
95% queue length	0.17						0.63	
Control Delay (s/veh)	7.8						12.2	
LOS	A						B	
Approach Delay (s/veh)	--	--					12.2	
Approach LOS	--						B	

TWO-WAY STOP CONTROL SUMMARY							
<b>General Information</b>				<b>Site Information</b>			
Analyst	JAG			Intersection	CR 109 and CR 161		
Agency/Co.	TMA			Jurisdiction	Town of Fallsburg		
Date Performed	12/15/2011			Analysis Year	No Build Condition		
Analysis Time Period	Friday Peak Hour						
Project Description <i>base traffic 2011</i>							
East/West Street: <i>CR 109 Kiamesha Lake Road</i>				North/South Street: <i>Heiden Road CR 161</i>			
Intersection Orientation: <i>North-South</i>				Study Period (hrs): <i>0.25</i>			
<b>Vehicle Volumes and Adjustments</b>							
<b>Major Street</b>		Northbound			Southbound		
Movement	1	2	3	4	5	6	
	L	T	R	L	T	R	
Volume (veh/h)	75	427			209	42	
Peak-Hour Factor, PHF	0.90	0.90	1.00	1.00	0.90	0.90	
Hourly Flow Rate, HFR (veh/h)	83	474	0	0	232	46	
Percent Heavy Vehicles	1	--	--	0	--	--	
Median Type	<i>Undivided</i>						
RT Channelized			0			0	
Lanes	0	1	0	0	1	0	
Configuration	<i>LT</i>			<i>TR</i>			
Upstream Signal		0			0		
<b>Minor Street</b>		Eastbound			Westbound		
Movement	7	8	9	10	11	12	
	L	T	R	L	T	R	
Volume (veh/h)	41		83				
Peak-Hour Factor, PHF	0.92	1.00	0.92	1.00	1.00	1.00	
Hourly Flow Rate, HFR (veh/h)	44	0	90	0	0	0	
Percent Heavy Vehicles	1	0	1	0	0	0	
Percent Grade (%)		0			0		
Flared Approach		<i>N</i>			<i>N</i>		
Storage		0			0		
RT Channelized			0			0	
Lanes	0	0	0	0	0	0	
Configuration		<i>LR</i>					
<b>Delay, Queue Length, and Level of Service</b>							
Approach	Northbound	Southbound	Westbound			Eastbound	
Movement	1	4	7	8	9	10	11
Lane Configuration	<i>LT</i>						<i>LR</i>
v (veh/h)	83						134
C (m) (veh/h)	1291						505
v/c	0.06						0.27
95% queue length	0.21						1.06
Control Delay (s/veh)	8.0						14.7
LOS	A						B
Approach Delay (s/veh)	--	--					14.7
Approach LOS	--	--					B

TWO-WAY STOP CONTROL SUMMARY							
<b>General Information</b>				<b>Site Information</b>			
Analyst	JAG			Intersection	CR 109 and CR 161		
Agency/Co.	TMA			Jurisdiction	Town of Fallsburg		
Date Performed	12/15/2011			Analysis Year	Build Condition		
Analysis Time Period	Friday Peak Hour						
Project Description							
East/West Street: CR 109 Kiamesha Lake Road				North/South Street: Heiden Road CR 161			
Intersection Orientation: North-South				Study Period (hrs): 0.25			
<b>Vehicle Volumes and Adjustments</b>							
<b>Major Street</b>		Northbound			Southbound		
Movement	1	2	3	4	5	6	
	L	T	R	L	T	R	
Volume (veh/h)	108	446			219	54	
Peak-Hour Factor, PHF	0.90	0.90	1.00	1.00	0.90	0.90	
Hourly Flow Rate, HFR (veh/h)	120	495	0	0	243	60	
Percent Heavy Vehicles	1	--	--	0	--	--	
Median Type	Undivided						
RT Channelized			0			0	
Lanes	0	1	0	0	1	0	
Configuration	LT					TR	
Upstream Signal		0			0		
<b>Minor Street</b>		Eastbound			Westbound		
Movement	7	8	9	10	11	12	
	L	T	R	L	T	R	
Volume (veh/h)	79		120				
Peak-Hour Factor, PHF	0.92	1.00	0.92	1.00	1.00	1.00	
Hourly Flow Rate, HFR (veh/h)	85	0	130	0	0	0	
Percent Heavy Vehicles	1	0	1	0	0	0	
Percent Grade (%)		0			0		
Flared Approach		N			N		
Storage		0			0		
RT Channelized			0			0	
Lanes	0	0	0	0	0	0	
Configuration		LR					
<b>Delay, Queue Length, and Level of Service</b>							
Approach	Northbound	Southbound	Westbound			Eastbound	
Movement	1	4	7	8	9	10	11
Lane Configuration	LT						LR
v (veh/h)	120						215
C (m) (veh/h)	1264						414
v/c	0.09						0.52
95% queue length	0.31						2.90
Control Delay (s/veh)	8.1						22.7
LOS	A						C
Approach Delay (s/veh)	--	--					22.7
Approach LOS	--	--					C

ATTACHMENT  
Response 3.8-18

Photo 3.8-18



FEIS Photo 3.8-18: Raleigh Hotel Gatehouse  
Raleigh and Heiden Properties  
Town of Fallsburg  
Sullivan County, New York  
Source: TMA, 4/6/11

ATTACHMENT  
Response 3.8-19

DEIS Page 3.8-10 revised

The Town of Fallsburg has a significant seasonal population. The Friday and Sunday peak hour counts were specifically taken to represent a maximum impact scenario of traffic during the Friday p.m. and Sunday afternoon peak hour traffic during the busiest summer months. Thus the level of service represents peak summer traffic.

As seen in Table 3.8-6, all of the studied lane groups operate with additional available capacity and operate at efficient levels of service A to C during the seasonal peak hour periods with one exception. The intersection of NYS Route 42 with Heiden Road is projected at level of service F with delays during the Friday and Sunday seasonal peak hour periods.

Drivers can alter their decision according to conditions faced. Where modeling projects high delays (over 120 seconds) and high (1.2) volume to capacity ratios, the theoretical values may never be attained. Reductions in actual delays may be altered by acceptance of smaller gaps, smaller headways, and lane encroachment. In this case the gaps of the CR 109 signal at NYS Route 42 and the striped median use by left turning traffic from Heiden Road (CR 161) may also be reducing actual delays.

#### No Build Level of Service

As seen in Table 3.8-6, all of the studied lane groups operate with additional available capacity and operate at efficient levels of service A to C during the seasonal peak hour periods with two exceptions. The Friday peak hour of La Vista Drive drops to level of service E.

The intersection of NYS Route 42 with Heiden Road continues at level of service F with delays doubling during the Friday and Sunday seasonal peak hour periods. The delays shown are theoretical delays and in this case are unlikely to be seen. What is more likely to occur is the peak traffic will spread out rather than remain constant as typically presumed. In addition to smoothing out the peak traffic, shifting trip time outside the peak hour, and routing changes may occur. Specifically drivers would choose not to travel on the problem approach at that time choosing to arrive earlier or later. Others not being able to shift time would shift to alternative routes as CR 103, CR 58, or Park House Road (Wildwood Drive). Drivers would continue activities to reduce delays on the approach as discussed in the Existing Condition such as acceptance of smaller gaps.

#### Build Condition Level of Service

Table 3.8-6 summarizes the No Build and Build Condition levels of service, a comparison of which would indicate the "impact" of the project. Since individuals may define "impacts" differently, this industry accepted practice for comparing the before and after levels of service serves as a consistent scale upon which to review projects. The traffic capacity "impacts" are defined as the difference between future traffic conditions before and after the project (No Build and Build Conditions) based on criteria established in the 2000 Highway Capacity Manual<sup>7</sup>.

Table 3.8-6 presents levels of service for the Build Condition for the studied intersections. Level of service at all intersection and times would remain C or better except locations noted in the No Build Condition. The La Vista approach delay in the Friday p.m. peak hour would increase less than two seconds per vehicle. The Heiden Road (CR 161) approach to NYS Route 42 delays increase however the analysis becomes hypersensitive to even small (less than ten vehicles)

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<sup>7</sup> Transportation Research Board, National Research Council, Highway Capacity Manual, Washington, D.C. 2000.

ATTACHMENT  
Response 3.8-26

NYS DOT Counts





# New York State Department of Transportation Traffic Count Hourly Report

ROAD #: 0800 ROAD NAME: GREY RD FROM: DENISON HILL RD TO: RANCH HILL RD COUNTY: Sullivan  
 DIRECTION: Eastbound FACTOR GROUP: 30 REC. SERIAL #: 9053 FUNC. CLASS: 09 TOWN: FALLSBURG  
 STATE DIR CODE: 1 WK OF YR: 26 PLACEMENT: 200' W to Dennism Hill Road NHS: no BIN: 3356530  
 DATE OF COUNT: 06/24/2008 @ REF MARKER: JURIS: Town RR CROSSING:  
 NOTES LANE 1: Week 26-Eb ADDL DATA: CC Sin: HPMS SAMPLE:  
 COUNT TYPE: AXLE PAIRS BATCH ID: R09-r9ww26

COUNT TAKEN BY: ORG CODE: TST INITIALS: JSV PROCESSED BY: ORG CODE: R09 INITIALS: jjg

DATE	DAY	AM												PM												DAILY HIGH	DAILY HIGH HOUR		
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12				
24	T	0	0	1	1	1	9	4	10	13	9	16	12	10	14	16	15	21	25	24	17	11	10	8	9	4	21	15	
25	W	3	2	0	1	1	10	3	9	11	13	4	10	23	7	20	25	21	20	15	15	13	18	4	2	4	224	21	
26	T	12	3	5	1	1	10	3	7	7	16	9	9	19	29	30	22	35	24	16	16	15	9	5	2	7	255	15	
27	F	6	0	2	1	0	0	4	10	10	5	10	19	22	16	15	22	14	12	5	21	10	11	7	10	232	16		
28	S	11	2	0	0	0	4	0	4	18	22	18	44	36	41	51	34	51	47	49	50	50	33	35	24	5	579	12	
29	S	9	1	2	0	2	14	6	12	19	33	41	34	18	41	41	33	43	34	36	38	19	12	16	12	9	484	14	
30	M	3	3	0	0	0	12	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	43	15

DAYS Counted	HOURS Counted	WEEKDAYS Counted	AVERAGE WEEKDAY		Axle Adj. Factor	Seasonal/Weekday Adjustment Factor	ADT							
			High Hour	% of day										
5	2	1	1	1	10	4	99	28	9%	0.989	1.120	5	6	300
ESTIMATED (one way)							<b>AADT</b>							
							<b>268</b>							

ROAD #: 0800 ROAD NAME: GREY RD FROM: DENISON HILL RD TO: RANCH HILL RD COUNTY: Sullivan  
 STATION: 966148 STATE DIR CODE: 1 PLACEMENT: 200' W to Dennism Hill Road DATE OF COUNT: 06/24/2008

# New York State Department of Transportation Traffic Count Hourly Report

ROAD #: 0800 ROAD NAME: GREY RD FROM: DENISON HILL RD TO: RANCH HILL RD COUNTY: Sullivan  
 DIRECTION: Westbound FACTOR GROUP: 30 REC. SERIAL #: 9053 FUNC. CLASS: 09 TOWN: FALLSBURG  
 STATE DIR CODE: 2 WK OF YR: 26 PLACEMENT: 200' W to Dennism Hill Road NHS: no JURIS: Town BIN: 3356530  
 DATE OF COUNT: 06/24/2008 @ REF MARKER: ADDL DATA: CC Sin: BATCH ID: R09-r9ww26 RR CROSSING:  
 NOTES LANE 1: Week 26-Wb

COUNT TAKEN BY: JSV INITIALS: JSV  
 PROCESSED BY: R09 INITIALS: jjg

DATE	DAY	AM												PM												DAILY HIGH	DAILY HIGH HOUR
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12		
24	T	0	0	0	1	1	3	6	12	16	16	8	11	23	20	26	23	17	10	10	4	0	0	270	16		
25	W	0	5	0	0	0	4	8	17	10	15	7	14	18	12	21	24	25	15	14	13	3	10	271	17		
26	T	0	2	2	0	0	2	4	19	7	19	21	26	24	38	36	32	29	19	6	7	8	5	358	15		
27	F	2	4	0	0	0	4	10	6	24	15	16	20	25	16	28	12	11	15	8	11	10	7	275	15		
28	S	7	7	2	0	0	1	7	9	6	23	39	33	29	38	28	34	22	28	15	11	12	7	388	10		
29	S	2	0	0	0	0	0	6	8	13	18	30	17	16	23	30	30	26	23	17	9	10	8	326	14		
30	M	2	0	0	0	0	0	6	8	13	18	30	17	16	23	30	30	26	23	17	9	10	8	326	14		
1	T	1	2	1	0	0	0	3	6	11																	

DAYS Counted	HOURS Counted	WEEKDAYS WEEKDAY		AVERAGE WEEKDAY		Axle Adj. Factor	Seasonal/Weekday Adjustment Factor	ADT
		Counted	Hours	High Hour	% of day			
7	165	4	99	28	10%	0.989	1.120	280
ESTIMATED (one way)								
<b>AADT</b>								
<b>250</b>								

ROAD #: 0800 ROAD NAME: GREY RD FROM: DENISON HILL RD TO: RANCH HILL RD COUNTY: Sullivan  
 STATION: 966148 STATE DIR CODE: 2 PLACEMENT: 200' W to Dennism Hill Road DATE OF COUNT: 06/24/2008