



## Memorandum

To: Mark Kane, APA, ASLA  
Director of Community Planning & Design  
SE Group

Date: June 20, 2014

Project No.: 52850

From: Nick Sanders, P.E.  
Senior Traffic Engineer

Re: Existing Conditions  
Traffic Operations Evaluation

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Vanasse Hangen Brustlin, Inc. (VHB) has teamed with the SE Group (SEG) to prepare a Pedestrian Village Connectivity Study for the Town of Waterville Valley, New Hampshire. The purpose of this memorandum is to document the findings of the traffic operations existing conditions evaluation in support of Study. This memorandum includes the following:

- A description of the existing roadway network within the study area;
- A summary of sight distances at the study area intersections;
- A summary of peak period traffic volumes; and
- An evaluation of traffic operations within the study area.

### **Existing Roadway Network**

Valley Road (Route 49) is a two-lane roadway (one lane in each direction) that provides north-south travel through Waterville Valley. Route 49 serves as the only year round connection between the Town of Waterville Valley and the adjacent towns and the regional roadway network including I-93. The posted speed limit along Valley Road changes from 50 miles per hour (mph) just south of Tripoli Road to 30 mph throughout the village of Waterville Valley. Sidewalk is provided along the east side of Valley Road from a point approximately 150 feet north of Tripoli Road to the White Mountain Athletic Club driveway (approximately 175 north of Packard's Road). Sidewalk is provided along the west side of Valley Road from Packard's Road to Snow's Brook Road. Land uses along Valley Road are a mix of residential, commercial, municipal and recreational including the elementary school, a health club, and a golf course.

Tripoli Road is a two-lane roadway (one lane in each direction) that provides a secondary connection to I-93 to and from the northwest. Tripoli Road provides a year round connection between Valley Road and Ski Area Road with a posted speed limit of 35 mph. Beyond Ski Area Road, Tripoli Road is closed during the winter. The primary land uses on the year round section of Tripoli Road are the Town offices and the Town Transfer Facility, which are located approximately ¼ mile north of Valley Road. No sidewalks are provided along Tripoli Road. Tripoli Road intersects Valley Road from the west to form a three-way unsignalized intersection. Tripoli Road operates under stop control and provides a left-turn lane and a right-turn lane while both approaches on Valley Road provide a single multi-use lane.

Tecumseh Road is a two-lane roadway (one lane in each direction) that provides a connection between Valley Road and Snow's Brook Road/Packard's Road with a posted speed limit of 30 mph. Land uses along Tecumseh Road are primarily residential and lodging. No sidewalks are provided along Tecumseh Road. Approximately 1,000 feet north of Tripoli Road, Tecumseh Road intersects Valley Road from the west to form a three-way

unsignalized intersection. Tecumseh Road operates under stop control and provides a single multi-use lane. Valley Road provides a single multi-use lane in both northbound and southbound directions.

Packard's Road is a two-lane roadway (one lane in each direction) that provides a connection between Valley Road and Snow's Brook Road/Tecumseh Road with a posted speed limit of 30 mph. Land uses along Tecumseh Road are primarily residential and lodging, including the Waterville Valley Conference Center. Sidewalk is provided along the north side of Packard's Road between Valley Road and Snow's Brook Road. A crosswalk is located on the northern leg of Valley Road at the intersection of Packard's Road. Approximately 1,100 feet north of Tecumseh Road, Packard's Road intersects Valley Road from the west to form a three-way unsignalized intersection. Packard's Road operates under stop control and provides a single multi-use lane. Valley Road provides a single multi-use lane in both the northbound and southbound directions.

Snow's Brook Road is a two-lane roadway (one lane in each direction) that provides a connection between the intersections Tecumseh Road at Packard's Road to the south and Valley Road at Boulder Path Road to the north. The posted speed limit along Snow's Brook Road is 30 mph. Land uses along Snow's Brook Road are primarily residential and lodging. Sidewalk is provided along the east side of Snow's Brook Road between Packard's Road and Valley Road. However, the section of sidewalk between Village Road and Osceola Road that does not run along the edge of the roadway is not maintained by the Town and therefore is often snow covered throughout the winter. Snow's Brook Road, Tecumseh Road, and Packard's Road intersect to form a three-way unsignalized intersection. Tecumseh Road operates under stop control and provides a single multi-use lane. Both Snow's Brook Road and Packard's Road, which operate with the right of way, provide a single multi-use lane in both directions.

Village Road is a two-lane roadway (one lane in each direction) that provides an east-west connection between Snow's Brook Road and Valley Road. Land uses along Village Road are primarily residential, lodging, and commercial. Sidewalk is provided along the north side of Village Road between Snow's Brook Road and the entrance to the Town Square and on the south side of Village Road between the entrance to the Town Square and Valley Road. It should be noted that there is a small gap in sidewalk at the Town Square bus stop, which is located between the entrance to the Town Square and the western driveway to the ice arena.

Village Road intersects Snow's Brook Road from the east to form a three-way unsignalized intersection. Village Road operates under stop control and provides a single multi-use lane. Snow's Brook Road provides a single multi-use lane in both the northbound and southbound directions. A crosswalk is located on the eastern leg of Village Road at the intersection of Snow's Brook Road.

On the east side of the Town Square, Village Road and Lost Pass Road intersect Valley Road from the west and the east respectively to form a four-way unsignalized intersection. At this location, a crosswalk is located on the western leg of Village Road and the southern leg of Valley Road. It is important to point out that there is no sidewalk to accommodate pedestrians on the east side of Valley road adjacent to the crosswalk. Valley Road and Lost Pass Road operate under stop control while Valley Road has the right of way. The Village Road approach provides a 20 foot-wide lane that operates as a shared left/through lane and a right-turn lane. The Lost Pass Road approach provides a single multi-use lane. Valley Road provides a single multi-use lane in both the northbound and southbound directions.

### **Sight Distance**

Intersection sight distance (ISD) and stopping sight distance (SSD) were measured at the study area intersections and compared to the American Association of State Highway and Transportation Officials (AASHTO) recommended guidelines<sup>1</sup>. As previously noted the posted speed limit on Valley Road, Snow's Brook Road, and Packard's Road is 30 mph. SSD guidelines of 200 feet for a 30 mph roadway are exceeded at all study area intersections. ISD guidelines of 335 feet for a 30 mph roadway are exceeded at the intersections of Tripoli Road at Valley Road, Village Road at Snow's Brook Road, and Village Road/Lost Pass Road at Valley Road. However, ISD is limited and falls below the AASHTO guideline at the following intersections:

- Tecumseh Road at Valley Road: Bushes just north of Tecumseh Road along the west side of Valley Road limit the ISD from Tecumseh Road. If the bushes are trimmed back, ISD from Tecumseh Road looking to the north can be increased to approximately 450 feet.
- Packard's Road at Valley Road: Bushes just south of Packard's Road along the west side of Valley Road limit the ISD from Packard's Road. If the bushes are trimmed back, ISD from Packard's Road looking to the south can be increased to approximately 800 feet.
- Tecumseh Road at Snow's Brook Road/Packard's Road: Vertical and horizontal curves on Snow's Brook Road just north of Tecumseh Road limit the ISD to 275 feet.

A detailed summary of ISD and SSD at the study area intersections is provided in the Appendix. It should be noted that the maintenance of vegetation and snow banks is critical in accommodating good sight lines.

### **Traffic Volumes**

Manual turning movement counts (TMCs) were conducted at the study area intersections to establish existing traffic volume demands and flow patterns in the project area during a peak ski holiday weekend. Specifically TMCs were conducted on Saturday of Presidents' weekend (February 15, 2014) at the intersections of:

- Tripoli Road at Valley Road from 8:00 AM to 4:00 PM;
- Tecumseh Road at Valley Road from 10:00 AM to 4:00 PM;
- Packard's Road at Valley Road from 10:00 AM to 4:00 PM;
- Tecumseh Road at Snow's Brook Road/Packard's Road from 10:00 AM to 4:00 PM;
- Village Road at Snow's Brook Road from 10:00 AM to 4:00 PM;
- Village Road/Lost Pass Road at Valley Road from 10:00 AM to 4:00 PM;

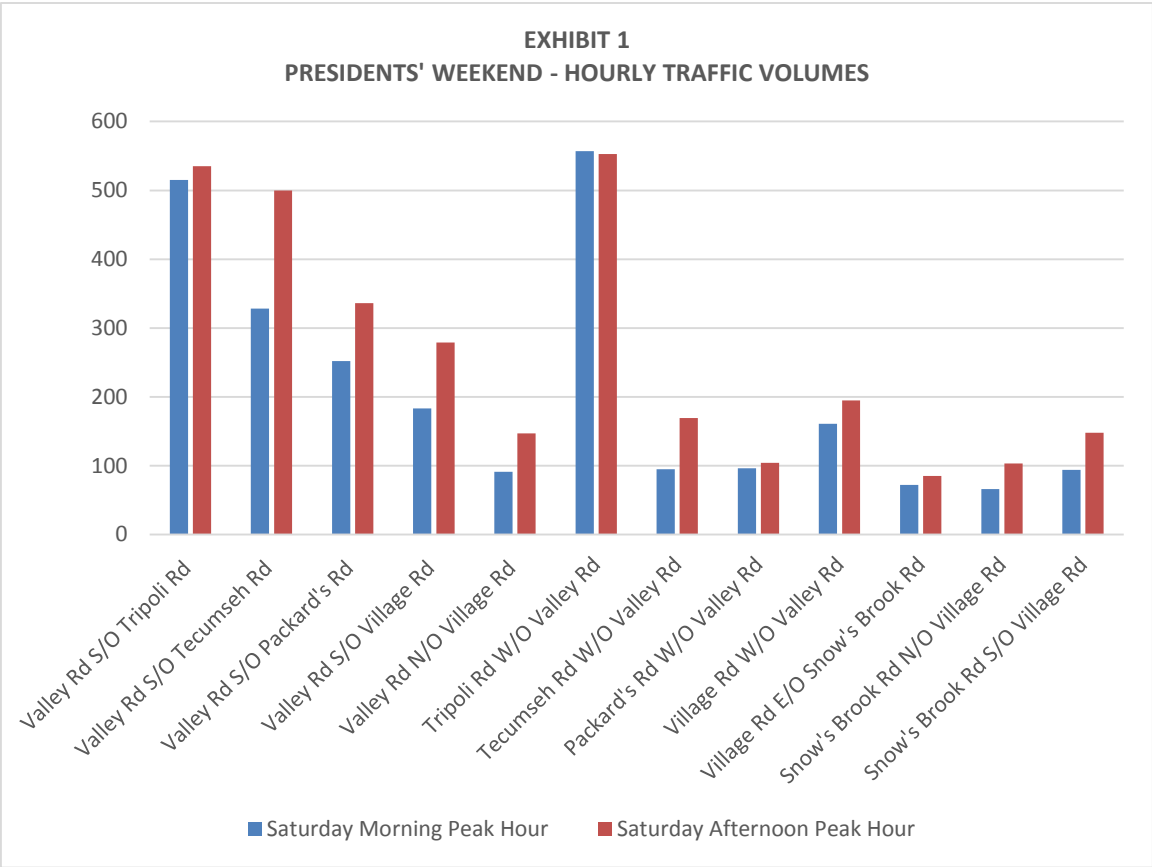
Figures showing the 2014 Presidents' weekend Saturday morning and Saturday afternoon peak hour traffic volumes are provided in the Appendix along with the detailed count data. Exhibit 1 shows the peak hour volumes at key study area roadways graphically. As shown in Exhibit 1, Valley Road south of Tripoli Road and Tripoli Road west of Valley Road carry the highest peak hour volumes (between 500 and 560 vehicles per hour). Traffic volumes along Valley Road decrease from south to north as vehicles access adjacent properties and side streets. Local streets in the village of Waterville Valley, such as Tecumseh Road, Packard's Road, Snow's Brook Road, and Village Road, carry lower hourly volumes (less than 200 vehicles per hour).

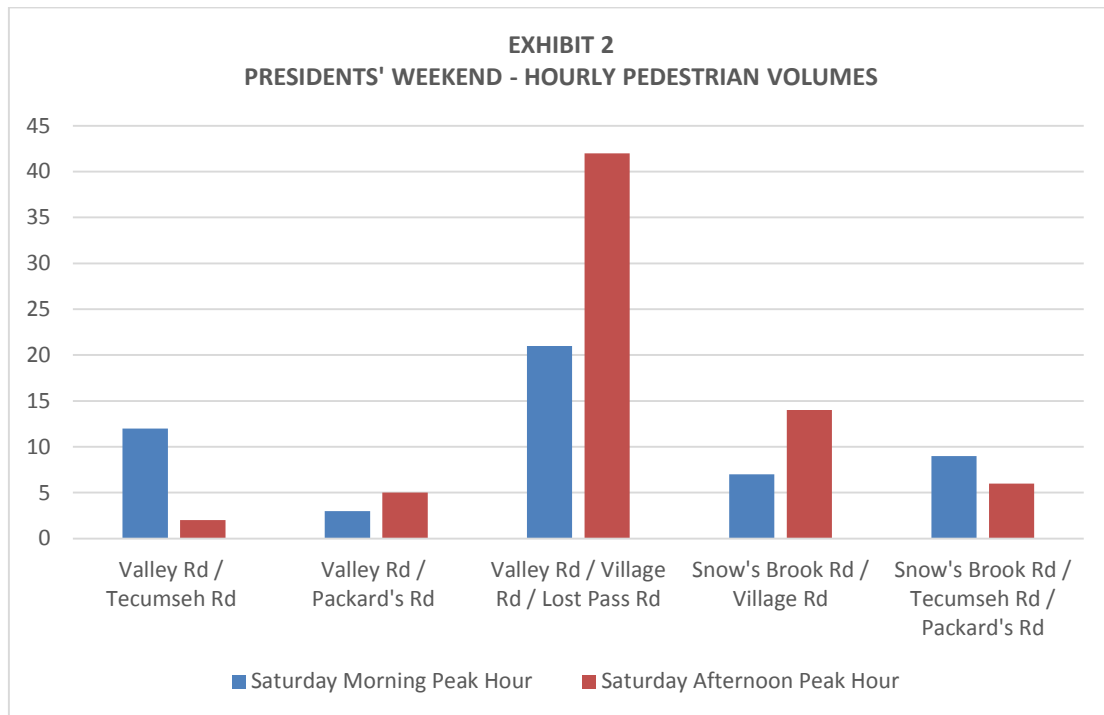
Pedestrians crossing the study area roadways was collected as part of the TMC data collection effort. Exhibit 2 shows the number of peak hour pedestrian crossings the study area intersections graphically. As shown below, the highest pedestrian activity occurred at the intersection of Valley Road at Village Road and Lost Pass Road with approximately 20 pedestrian crossings during the Saturday morning peak hour and approximately 40 pedestrian crossings during the Saturday afternoon peak hour. All other study area intersections experienced

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<sup>1</sup> A Policy on Geometric Design of Highways and Streets, AASHTO, 2004.

less than 15 pedestrian crossings per hour while the intersection of Valley Road at Tripoli Road experienced no pedestrian crossings during the peak hours. Although the traffic volumes represent peak ski operations, pedestrian volumes are expected to be higher during the peak summer periods.





### **Traffic Operations**

Intersection capacity analyses were performed for the project area intersections. Levels of service (LOS) were calculated based on the criteria published in the 2000 Highway Capacity Manual<sup>2</sup>. Level of service is the term that defines the conditions that may occur on a given roadway or at an intersection when accommodating various traffic volume loads. Levels of service range from A to F with LOS A representing the best operating conditions and LOS F representing the worst. Copies of the level of service calculations have been provided in the Appendix.

Table 1 summarizes the intersection level of service results for the unsignalized project study area intersections during what is considered to be a peak condition. As shown below, the eastbound movement from Tripoli Road at the busiest intersection of Valley Road operates at LOS D and LOS B with delays of 28 and 13 seconds during the Saturday morning and Saturday afternoon peak hours respectively on peak holiday ski weekends. Volumes at this intersection only represent 43 percent of the intersection's capacity.

All other unsignalized study area intersections are expected to operate at LOS B or better with delays of 13 seconds or less during both the Saturday morning and Saturday afternoon peak hours. Traffic volumes at these lower volume study area intersections represent less than 15 percent of the intersection's capacity. These peak hour traffic operations are reflective of a peak holiday ski weekend.

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<sup>2</sup> Highway Capacity Manual, Federal Highway Administration, Transportation Research Board, 2000.

**TABLE 1**  
**UNSIGNALIZED INTERSECTION CAPACITY ANALYSIS SUMMARY**

Location / Movement	2014 Existing Condition (Peak Ski Weekend)					
	Saturday Morning Peak Hour			Saturday Afternoon Peak Hour		
	Demand*	Delay^	LOS+	Demand	Delay	LOS
Tripoli Rd at Valley Rd						
EB movements from Tripoli Rd	106	28	D	441	13	B
NB shared left/through from Valley Rd	445	6	A	169	2	A
Tecumseh Rd at Valley Rd						
EB movements from Tecumseh Rd	50	10	A	67	11	B
NB shared left/through from Valley Rd	190	2	A	306	3	A
Packard's Rd at Valley Rd						
EB movements from Packard's Rd	35	10	A	46	10	B
NB shared left/through from Valley Rd	151	2	A	187	2	A
Tecumseh Rd at Snow's Brook Rd/ Packard's Rd						
NB movements from Tecumseh Rd	35	9	A	73	10	A
WB shared left/through from Packard's Rd	24	2	A	30	1	A
Village Rd at Snow's Brook Rd						
WB movements from Village Rd	29	9	A	36	10	A
SB shared left/through from Snow's Brook Rd	42	2	A	51	2	A
Village Rd/Lost Pass Rd at Valley Rd						
EB movements from Village Rd	78	10	A	102	11	B
WB movements from Lost Pass Rd	11	12	B	24	13	B
NB movements from Valley Rd	103	5	A	146	4	A
SB movements from Valley Rd	37	1	A	64	1	A

Note: Operations based on peak ski holiday weekend (Saturday, February 15, 2014 – Presidents' Weekend).

\* Demand in vehicles per hour.

^ Delay in seconds per vehicle.

+ Level of service.

### **Conclusion**

Pedestrian connectivity is provided throughout the village of Waterville Valley with a series of sidewalks along Valley Road, Packard's Road, Village Road and Snow's Brook Road. It should be noted that the Town does not maintain the segment of sidewalk adjacent to Snow's Brook Road between Village Road and Osceola which is often snow covered throughout the winter. Although sidewalk is not provided along Tecumseh Road, the count data revealed that pedestrians do walk along this roadway. Crosswalks are provided at major street crossings where sidewalk is located. However, the crosswalk located on the southern leg of Valley Road at the intersection of Village Road and Lost Pass Road connects pedestrians from a sidewalk system along the western side of Valley Road to the shoulder on the eastern side of Valley Road where there is no sidewalk. Even with the crosswalk currently located on the southern leg of Valley Road at Village Road and Lost Pass Road more pedestrians cross Valley Road on the northern leg of this intersection.

Stopping sight distance is accommodated at all study area locations. However, there are three locations where the intersection sight distance falls short of the recommended guideline. The maintenance of vegetation and

snow banks is critical in accommodating good sight lines. Specifically, bushes along the west side of Valley Road just north of Tecumseh Road and just south of Packard's Road should be trimmed back to increase the sight lines. It should also be noted that vertical and horizontal curves on Snow's Brook Road just north of Tecumseh Road limit the sight lines.

The southern segments of Valley Road and Tripoli Road carry the highest peak hour volumes (between 500 and 560 vehicles per hour) within the project study area while the local streets, such as Tecumseh Road, Packard's Road, Snow's Brook Road, and Village Road, carry lower hourly volumes (less than 200 vehicles per hour). As a result of the busiest volume within the study area, the eastbound movements from Tripoli Road at the intersection of Valley Road operate at a LOS D during the Saturday morning peak hour and a LOS B during the Saturday afternoon peak hour. All other intersections with considerably lower volumes operate at good levels of service (LOS B or better) and short delays. Even though these peak hour volumes are reflective of a Saturday during a peak holiday ski weekend, the amount of capacity used is very low (no more than 43 percent at the busiest location). In summary, traffic operations throughout the study area are good throughout peak holiday ski season and will be even better during non-peak periods.





# Appendix



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- Sight Distance Table
  - Traffic Volume Networks / Traffic Counts
  - Traffic Analyses





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# Sight Distance Table



Sight Distance Measurements

Location	Speed Limit (mph)	Stopping Sight Distance (SSD) - Traveling (ft)					Intersection Sight Distance (ISD) - Looking (ft)				
		NB	SB	EB	WB	Guideline	North	South	East	West	Guideline
Tripoli Rd at Valley Rd (Route 49)	30	1000	1000			200	1000	800			335
Tecumseh Rd^ at Valley Rd (Route 49)	30	1000	450			200	200 ^	450			335
Packard's Rd~ at Valley Rd (Route 49)	30	1000	450			200	400	250 ~			335
Tecumseh Rd at Snow's Brook Rd*/Packard's Rd	30		275		500	200	275 *		500		335
Village Rd at Snow's Brook Rd	30	475	650			200	450	525			335
Village Rd and Lost Pass Rd at Valley Rd (Route 49)	30	400	800			200	400	600			335
							425	650			335

- Note: Little to no snow banks remained when the sight distances were measured on April 10, 2014.
1. Bushes just north of Tecumseh Rd at Valley Rd limit the Intersection Sight Distance (ISD). If the bushes are trimmed back, ISD looking to the north can be increased from 200 feet to 450 feet.
  2. Bushes just south of Packard's Rd at Valley Road limit the ISD. If the bushes are trimmed back, ISD looking to the south can be increased to 800 feet.
  3. Vertical and horizontal curves on Snow's Brook Rd just north of Tecumseh Rd limit the Stopping Sight Distance (SSD) and ISD.



1. On Tecumseh Road looking north onto Valley Road.



2. On Packard's Road looking south onto Valley Road.



3. On Tecumseh Road looking north onto Snow's Brook Road.

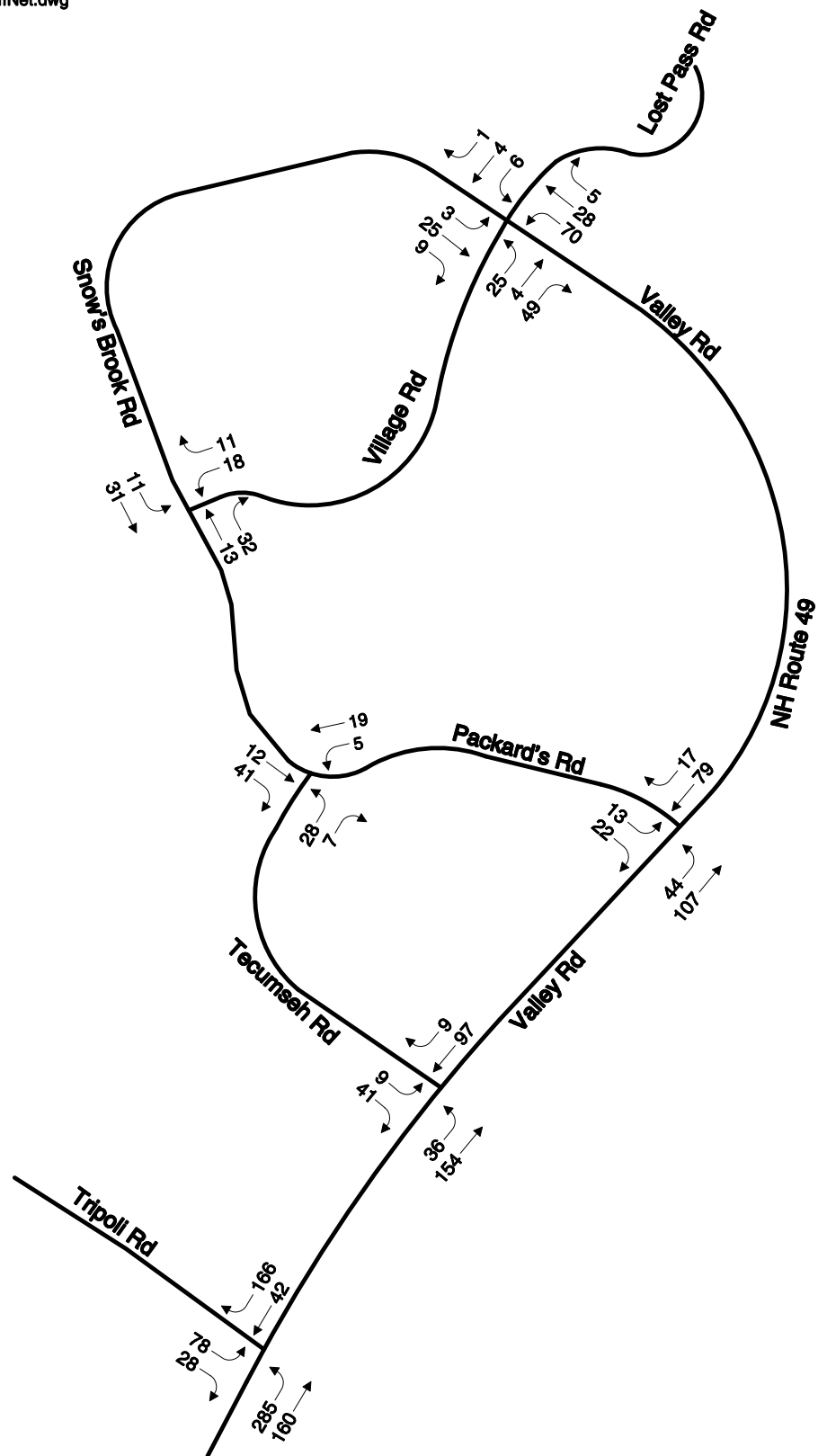




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# **Traffic Volume Networks / Traffic Counts**

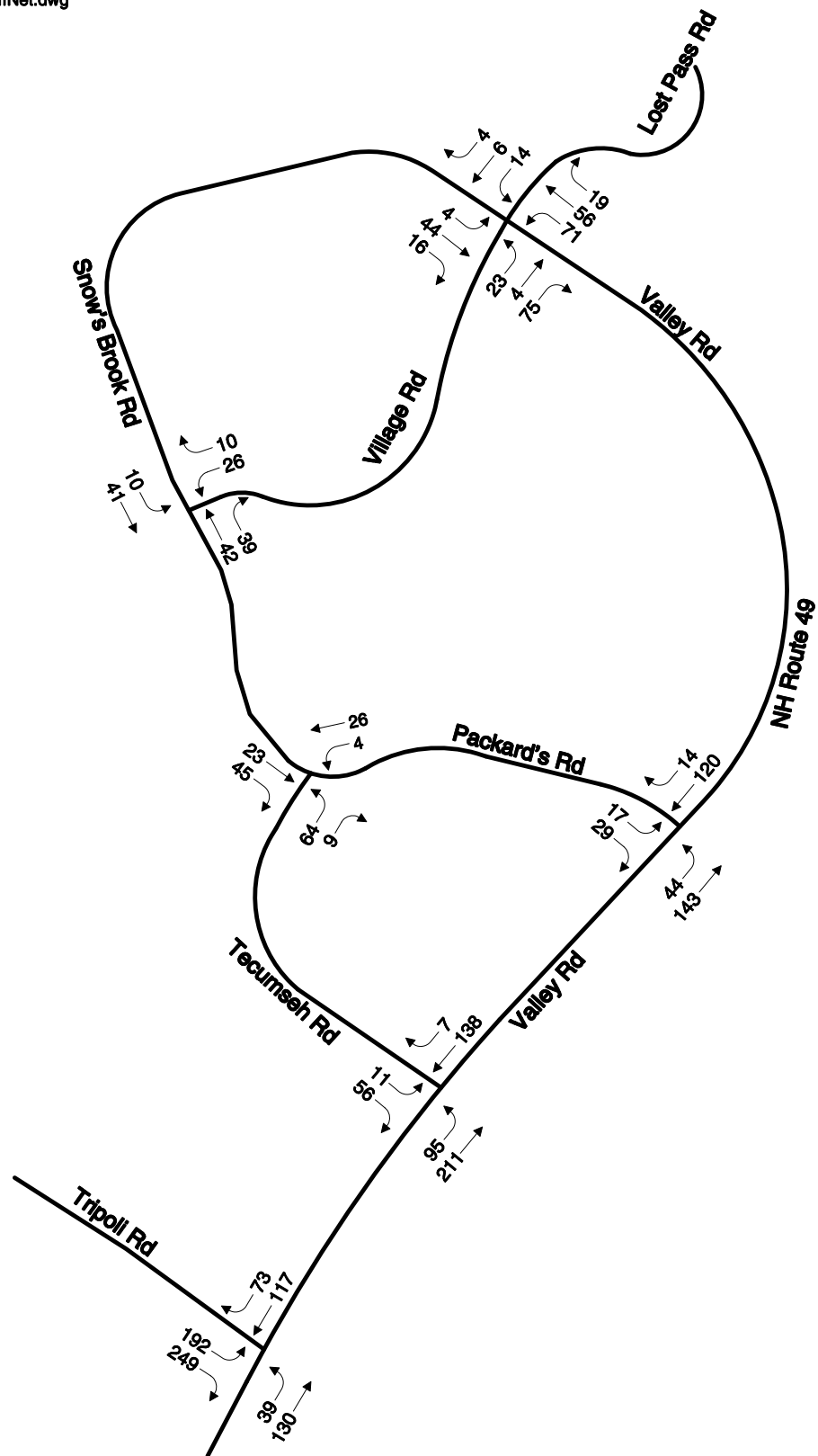




Not to Scale

Vanasse Hangen Brustlin, Inc.

2014 Existing Conditions Saturday Morning  
 Peak Hour Traffic Volumes  
 (2/15/14 - President's Weekend)



Not to Scale

Vanasse Hangen Brustlin, Inc.

2014 Existing Conditions Saturday Afternoon  
 Peak Hour Traffic Volumes  
 (2/15/14 - President's Weekend)

# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tripoli Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650001  
Site Code : 52650001  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Cars - Trucks - Buses

	Valley Rd From North		Valley Rd From South		Tripoli Rd From West		Int. Total
Start Time	Thru	Right	Left	Thru	Left	Right	
08:00 AM	4	51	64	22	17	4	162
08:15 AM	9	43	77	41	20	10	200
08:30 AM	6	45	74	47	17	5	194
08:45 AM	15	44	63	42	24	6	194
Total	34	183	278	152	78	25	750
09:00 AM	12	34	71	30	17	7	171
09:15 AM	9	29	52	36	15	6	147
09:30 AM	3	20	37	31	24	7	122
09:45 AM	13	22	39	31	22	5	132
Total	37	105	199	128	78	25	572
10:00 AM	15	19	27	34	16	9	120
10:15 AM	17	17	30	35	11	10	120
10:30 AM	27	21	24	35	7	10	124
10:45 AM	16	20	22	26	22	8	114
Total	75	77	103	130	56	37	478
11:00 AM	21	18	18	24	12	12	105
11:15 AM	21	16	13	26	10	11	97
11:30 AM	17	23	13	31	20	6	110
11:45 AM	18	20	18	21	20	12	109
Total	77	77	62	102	62	41	421
12:00 PM	14	9	7	34	22	11	97
12:15 PM	19	13	11	22	27	10	102
12:30 PM	14	13	9	24	19	23	102
12:45 PM	20	9	13	40	31	12	125
Total	67	44	40	120	99	56	426
01:00 PM	32	15	7	20	20	18	112
01:15 PM	25	10	7	17	10	29	98
01:30 PM	36	15	10	25	16	11	113
01:45 PM	34	17	3	30	21	22	127
Total	127	57	27	92	67	80	450
02:00 PM	40	20	8	27	16	15	126
02:15 PM	30	24	6	25	25	35	145
02:30 PM	38	24	8	25	18	27	140
02:45 PM	27	29	10	22	30	48	166
Total	135	97	32	99	89	125	577
03:00 PM	29	23	13	30	44	53	192
03:15 PM	30	14	8	32	62	66	212
03:30 PM	30	13	9	33	45	66	196
03:45 PM	28	23	9	35	41	64	200
Total	117	73	39	130	192	249	800
Grand Total	669	713	780	953	721	638	4474
Apprch %	48.4	51.6	45	55	53.1	46.9	
Total %	15	15.9	17.4	21.3	16.1	14.3	
Cars	659	651	773	945	664	633	4325
% Cars	98.5	91.3	99.1	99.2	92.1	99.2	96.7
Trucks	6	7	1	6	5	1	26
% Trucks	0.9	1	0.1	0.6	0.7	0.2	0.6
Buses	4	55	6	2	52	4	123
% Buses	0.6	7.7	0.8	0.2	7.2	0.6	2.7

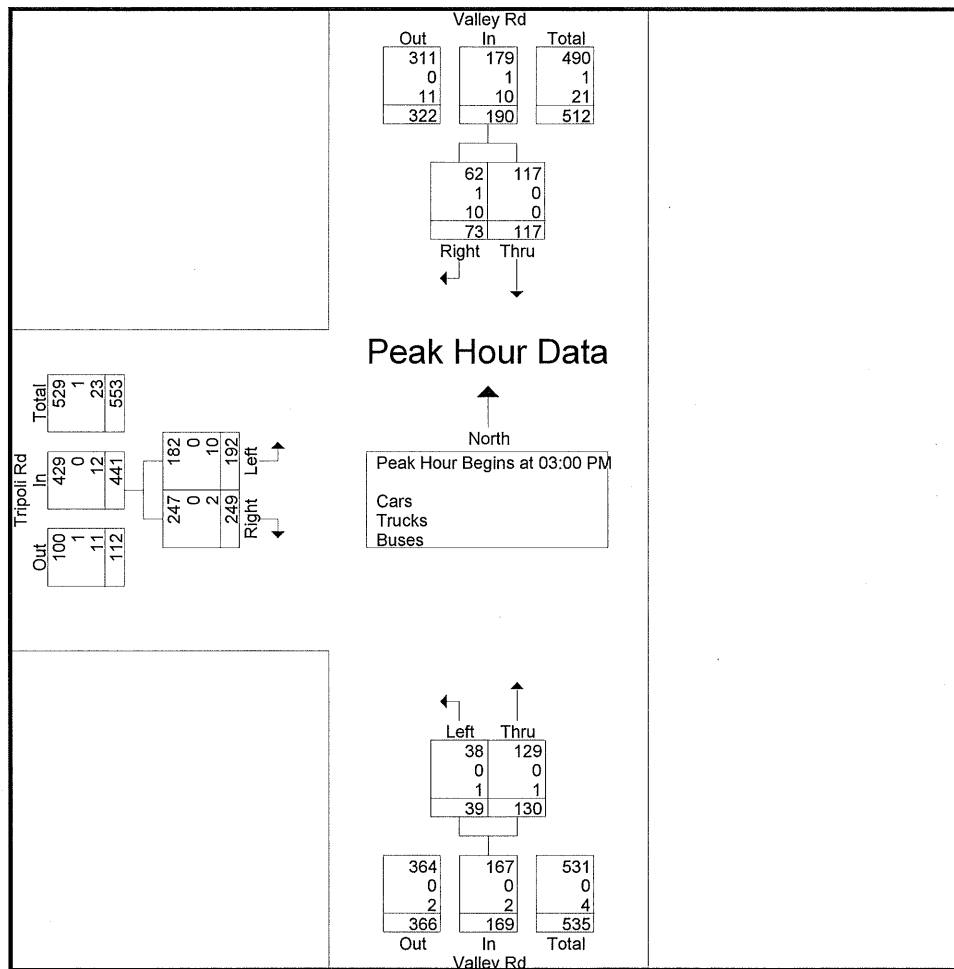
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Weather : Cloudy

File Name : 52650001  
Site Code : 52650001  
Start Date : 2/15/2014  
Page No : 2

	Valley Rd From North			Valley Rd From South			Tripoli Rd From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 08:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 03:00 PM										
03:00 PM	29	23	52	13	30	43	44	53	97	192
03:15 PM	30	14	44	8	32	40	62	66	128	212
03:30 PM	30	13	43	9	33	42	45	66	111	196
03:45 PM	28	23	51	9	35	44	41	64	105	200
Total Volume	117	73	190	39	130	169	192	249	441	800
% App. Total	61.6	38.4		23.1	76.9		43.5	56.5		
PHF	.975	.793	.913	.750	.929	.960	.774	.943	.861	.943
Cars	117	62	179	38	129	167	182	247	429	775
% Cars	100	84.9	94.2	97.4	99.2	98.8	94.8	99.2	97.3	96.9
Trucks	0	1	1	0	0	0	0	0	0	1
% Trucks	0	1.4	0.5	0	0	0	0	0	0	0.1
Buses	0	10	10	1	1	2	10	2	12	24
% Buses	0	13.7	5.3	2.6	0.8	1.2	5.2	0.8	2.7	3.0



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978-664-2565

N/S Street : Valley Road  
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File Name : 52650001  
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Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Cars

Start Time	Valley Rd From North		Valley Rd From South		Tripoli Rd From West		Int. Total
	Thru	Right	Left	Thru	Left	Right	
08:00 AM	4	48	64	22	16	4	158
08:15 AM	9	40	77	41	18	10	195
08:30 AM	6	43	74	47	14	5	189
08:45 AM	14	41	63	41	20	6	185
Total	33	172	278	151	68	25	727
09:00 AM	12	30	69	28	16	7	162
09:15 AM	9	25	51	36	13	6	140
09:30 AM	3	18	37	31	21	7	117
09:45 AM	12	18	38	31	20	5	124
Total	36	91	195	126	70	25	543
10:00 AM	14	17	27	34	13	8	113
10:15 AM	17	17	30	35	9	10	118
10:30 AM	27	18	24	34	6	10	119
10:45 AM	16	19	21	25	21	8	110
Total	74	71	102	128	49	36	460
11:00 AM	20	15	18	24	11	12	100
11:15 AM	20	15	13	26	9	11	94
11:30 AM	17	22	13	30	18	5	105
11:45 AM	17	19	18	21	19	11	105
Total	74	71	62	101	57	39	404
12:00 PM	14	9	7	34	21	11	96
12:15 PM	19	11	11	22	27	10	100
12:30 PM	14	13	9	24	18	23	101
12:45 PM	20	9	12	40	30	12	123
Total	67	42	39	120	96	56	420
01:00 PM	32	13	7	20	19	18	109
01:15 PM	24	9	7	17	9	29	95
01:30 PM	36	14	10	25	14	11	110
01:45 PM	32	16	3	30	20	22	123
Total	124	52	27	92	62	80	437
02:00 PM	40	18	8	26	13	15	120
02:15 PM	30	23	6	25	23	35	142
02:30 PM	37	22	8	25	17	27	136
02:45 PM	27	27	10	22	27	48	161
Total	134	90	32	98	80	125	559
03:00 PM	29	20	13	30	41	53	186
03:15 PM	30	11	7	32	60	66	206
03:30 PM	30	11	9	32	42	64	188
03:45 PM	28	20	9	35	39	64	195
Total	117	62	38	129	182	247	775
Grand Total	659	651	773	945	664	633	4325
Apprch %	50.3	49.7	45	55	51.2	48.8	
Total %	15.2	15.1	17.9	21.8	15.4	14.6	

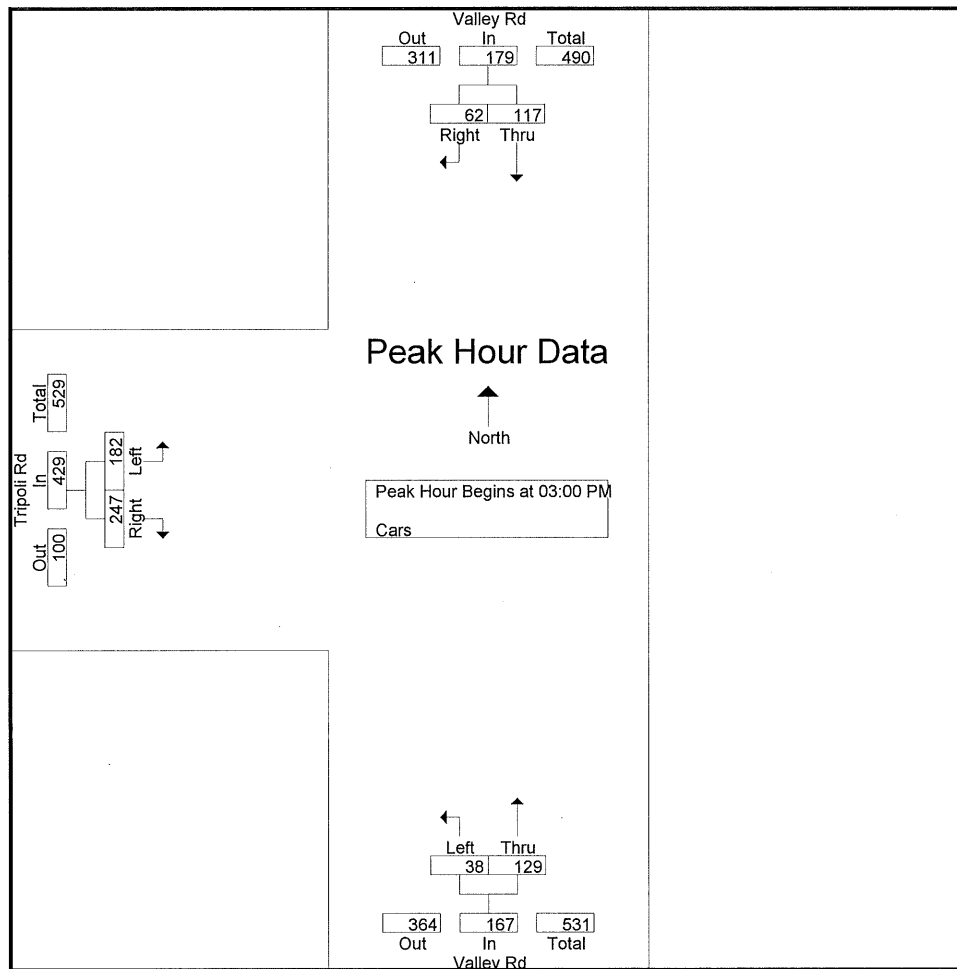
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File Name : 52650001  
Site Code : 52650001  
Start Date : 2/15/2014  
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Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 08:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 03:00 PM										
03:00 PM	29	20	49	13	30	43	41	53	94	186
03:15 PM	30	11	41	7	32	39	60	66	126	206
03:30 PM	30	11	41	9	32	41	42	64	106	188
03:45 PM	28	20	48	9	35	44	39	64	103	195
Total Volume	117	62	179	38	129	167	182	247	429	775
% App. Total	65.4	34.6		22.8	77.2		42.4	57.6		
PHF	.975	.775	.913	.731	.921	.949	.758	.936	.851	.941



# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tripoli Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650001  
Site Code : 52650001  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Trucks

Start Time	Valley Rd From North		Valley Rd From South		Tripoli Rd From West		Int. Total
	Thru	Right	Left	Thru	Left	Right	
08:00 AM	0	1	0	0	0	0	1
08:15 AM	0	0	0	0	0	0	0
08:30 AM	0	0	0	0	0	0	0
08:45 AM	1	1	0	0	2	0	4
Total	1	2	0	0	2	0	5
09:00 AM	0	0	0	2	0	0	2
09:15 AM	0	1	0	0	0	0	1
09:30 AM	0	0	0	0	0	0	0
09:45 AM	1	1	0	0	0	0	2
Total	1	2	0	2	0	0	5
10:00 AM	1	0	0	0	1	0	2
10:15 AM	0	0	0	0	0	0	0
10:30 AM	0	0	0	1	0	0	1
10:45 AM	0	0	1	1	0	0	2
Total	1	0	1	2	1	0	5
11:00 AM	1	1	0	0	0	0	2
11:15 AM	1	0	0	0	0	0	1
11:30 AM	0	0	0	1	1	1	3
11:45 AM	1	0	0	0	0	0	1
Total	3	1	0	1	1	1	7
12:00 PM	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
01:00 PM	0	0	0	0	0	0	0
01:15 PM	0	0	0	0	0	0	0
01:30 PM	0	0	0	0	0	0	0
01:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
02:00 PM	0	0	0	1	1	0	2
02:15 PM	0	1	0	0	0	0	1
02:30 PM	0	0	0	0	0	0	0
02:45 PM	0	0	0	0	0	0	0
Total	0	1	0	1	1	0	3
03:00 PM	0	0	0	0	0	0	0
03:15 PM	0	1	0	0	0	0	1
03:30 PM	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0
Total	0	1	0	0	0	0	1
Grand Total	6	7	1	6	5	1	26
Apprch %	46.2	53.8	14.3	85.7	83.3	16.7	
Total %	23.1	26.9	3.8	23.1	19.2	3.8	

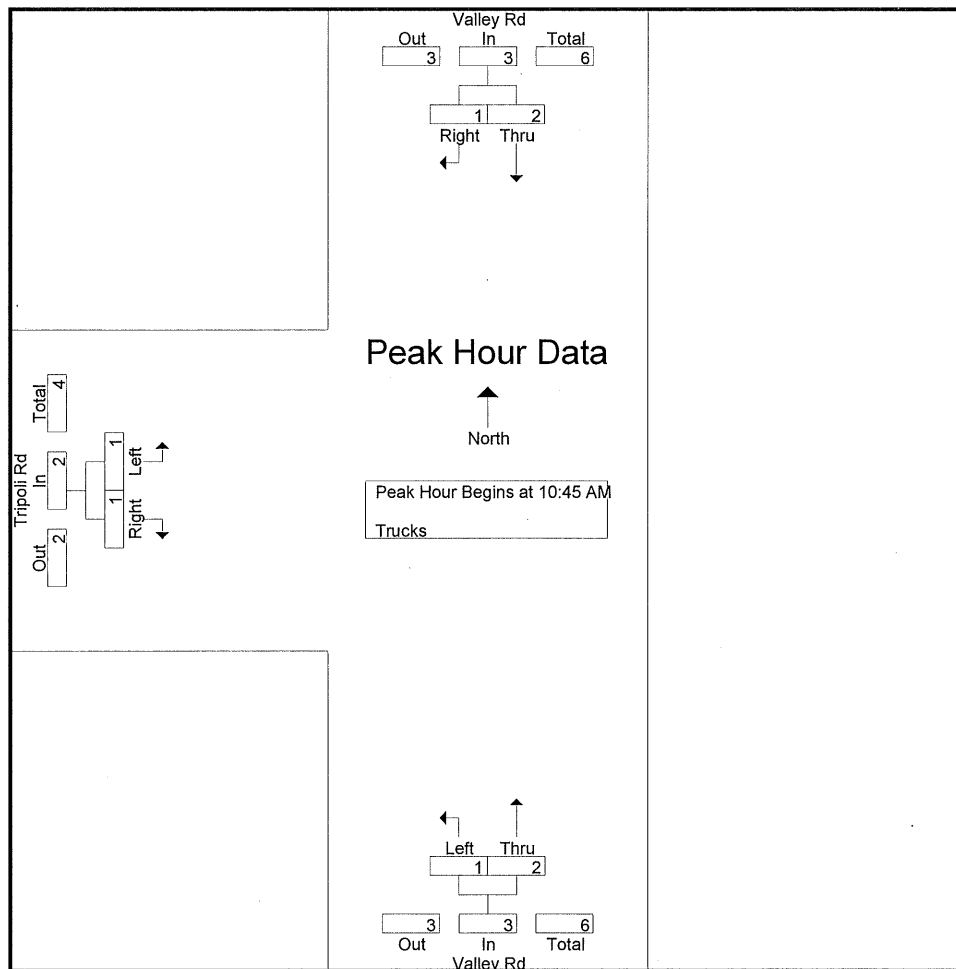
# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tripoli Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650001  
Site Code : 52650001  
Start Date : 2/15/2014  
Page No : 2

	Valley Rd From North			Valley Rd From South			Tripoli Rd From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 08:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 10:45 AM										
10:45 AM	0	0	0	1	1	2	0	0	0	2
11:00 AM	1	1	2	0	0	0	0	0	0	2
11:15 AM	1	0	1	0	0	0	0	0	0	1
11:30 AM	0	0	0	0	1	1	1	1	2	3
Total Volume	2	1	3	1	2	3	1	1	2	8
% App. Total	66.7	33.3		33.3	66.7		50	50		
PHF	.500	.250	.375	.250	.500	.375	.250	.250	.250	.667



# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tripoli Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650001  
Site Code : 52650001  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Buses

Start Time	Valley Rd From North		Valley Rd From South		Tripoli Rd From West		Int. Total
	Thru	Right	Left	Thru	Left	Right	
08:00 AM	0	2	0	0	1	0	3
08:15 AM	0	3	0	0	2	0	5
08:30 AM	0	2	0	0	3	0	5
08:45 AM	0	2	0	1	2	0	5
Total	0	9	0	1	8	0	18
09:00 AM	0	4	2	0	1	0	7
09:15 AM	0	3	1	0	2	0	6
09:30 AM	0	2	0	0	3	0	5
09:45 AM	0	3	1	0	2	0	6
Total	0	12	4	0	8	0	24
10:00 AM	0	2	0	0	2	1	5
10:15 AM	0	0	0	0	2	0	2
10:30 AM	0	3	0	0	1	0	4
10:45 AM	0	1	0	0	1	0	2
Total	0	6	0	0	6	1	13
11:00 AM	0	2	0	0	1	0	3
11:15 AM	0	1	0	0	1	0	2
11:30 AM	0	1	0	0	1	0	2
11:45 AM	0	1	0	0	1	1	3
Total	0	5	0	0	4	1	10
12:00 PM	0	0	0	0	1	0	1
12:15 PM	0	2	0	0	0	0	2
12:30 PM	0	0	0	0	1	0	1
12:45 PM	0	0	1	0	1	0	2
Total	0	2	1	0	3	0	6
01:00 PM	0	2	0	0	1	0	3
01:15 PM	1	1	0	0	1	0	3
01:30 PM	0	1	0	0	2	0	3
01:45 PM	2	1	0	0	1	0	4
Total	3	5	0	0	5	0	13
02:00 PM	0	2	0	0	2	0	4
02:15 PM	0	0	0	0	2	0	2
02:30 PM	1	2	0	0	1	0	4
02:45 PM	0	2	0	0	3	0	5
Total	1	6	0	0	8	0	15
03:00 PM	0	3	0	0	3	0	6
03:15 PM	0	2	1	0	2	0	5
03:30 PM	0	2	0	1	3	2	8
03:45 PM	0	3	0	0	2	0	5
Total	0	10	1	1	10	2	24
Grand Total	4	55	6	2	52	4	123
Apprch %	6.8	93.2	75	25	92.9	7.1	
Total %	3.3	44.7	4.9	1.6	42.3	3.3	

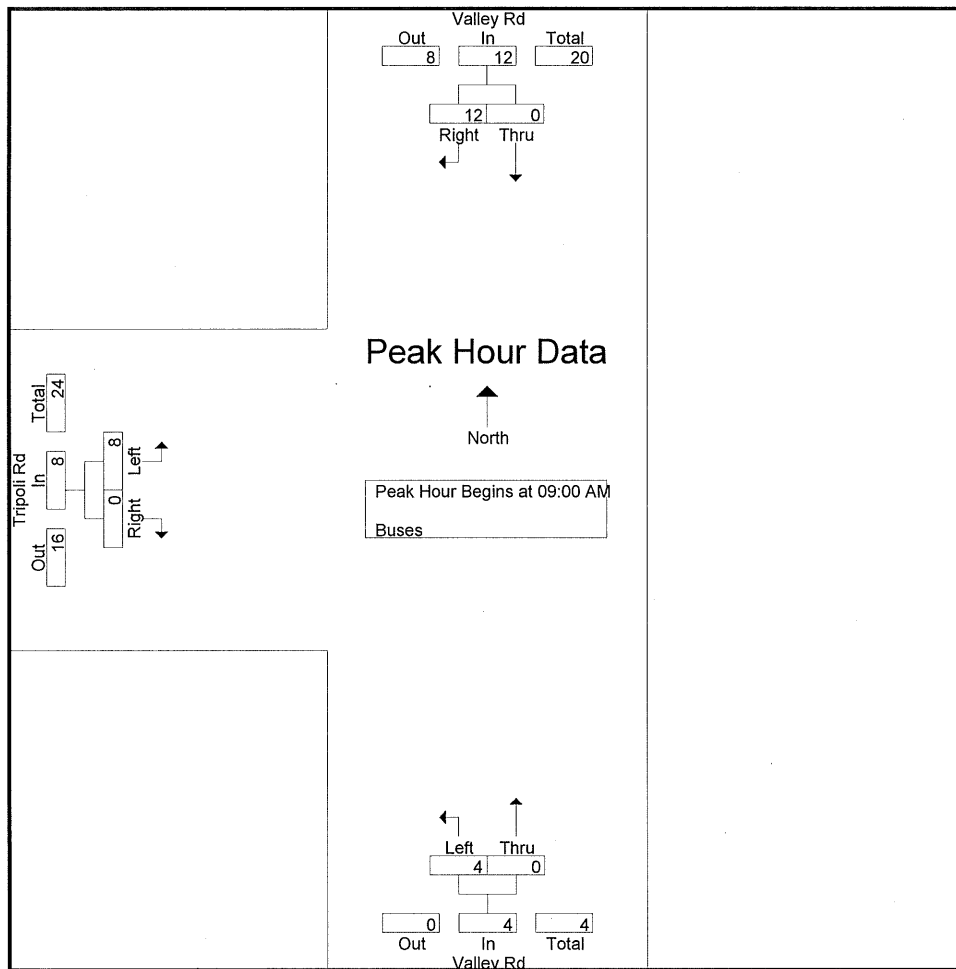
# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tripoli Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650001  
Site Code : 52650001  
Start Date : 2/15/2014  
Page No : 2

	Valley Rd From North			Valley Rd From South			Tripoli Rd From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 08:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 09:00 AM										
09:00 AM	0	4	4	2	0	2	1	0	1	7
09:15 AM	0	3	3	1	0	1	2	0	2	6
09:30 AM	0	2	2	0	0	0	3	0	3	5
09:45 AM	0	3	3	1	0	1	2	0	2	6
Total Volume	0	12	12	4	0	4	8	0	8	24
% App. Total	0	100		100	0		100	0		
PHF	.000	.750	.750	.500	.000	.500	.667	.000	.667	.857



# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tripoli Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650001  
Site Code : 52650001  
Start Date : 2/15/2014  
Page No : 1

Groups Printed- Bikes Peds												
Start Time	Valley Rd From North			Valley Rd From South			Tripoli Rd From West			Exclu. Total	Inclu. Total	Int. Total
	Thru	Right	Peds	Left	Thru	Peds	Left	Right	Peds			
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
09:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
09:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
09:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
09:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
10:15 AM	0	0	0	0	0	0	0	0	1	1	0	1
10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	1	1	0	1
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	1	0	0	0	0	0	0	0	0	0	1	1
Total	1	0	0	0	0	0	0	0	0	0	1	1
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
01:15 PM	0	0	1	0	1	1	0	0	0	2	1	3
01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	0	1	1	0	0	0	2	1	3
02:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
02:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
02:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
02:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	1	0	1	0	1	1	0	0	1	3	2	5
Apprch %	100	0		0	100		0	0				
Total %	50	0		0	50		0	0		60	40	

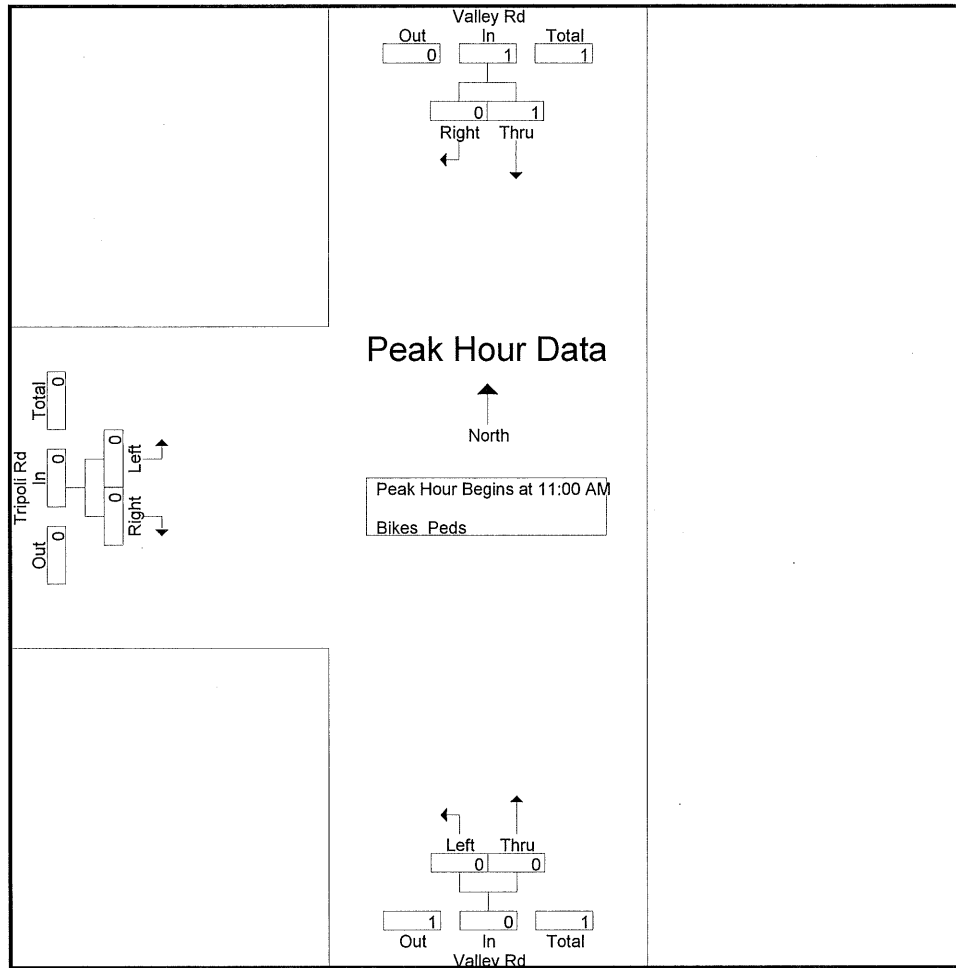
# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tripoli Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650001  
Site Code : 52650001  
Start Date : 2/15/2014  
Page No : 2

	Valley Rd From North			Valley Rd From South			Tripoli Rd From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 08:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 11:00 AM										
11:00 AM	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0
11:45 AM	1	0	1	0	0	0	0	0	0	1
Total Volume	1	0	1	0	0	0	0	0	0	1
% App. Total	100	0		0	0		0	0		
PHF	.250	.000	.250	.000	.000	.000	.000	.000	.000	.250



# Accurate Counts

978-664-2565

N/S Street : Valley Road  
 E/W Street : Tecumseh Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650002  
 Site Code : 52650002  
 Start Date : 2/15/2014  
 Page No : 1

## Groups Printed- Cars - Trucks - Buses

Start Time	Valley Rd From North		Valley Rd From South		Tecumseh Rd From West		Int. Total
	Thru	Right	Left	Thru	Left	Right	
10:00 AM	18	1	11	42	2	13	87
10:15 AM	23	3	5	36	1	7	75
10:30 AM	32	1	8	37	2	11	91
10:45 AM	24	0.80 4	12	0.90 39	4	0.83 10	93
Total	97	2% 9	36	4% 154	9	10% 41	346
11:00 AM	26	2	7	28	0	11	74
11:15 AM	25	0	8	27	1	7	68
11:30 AM	30	0	13	38	3	9	93
11:45 AM	27	4	8	32	0	10	81
Total	108	6	36	125	4	37	316
12:00 PM	18	1	13	37	1	5	75
12:15 PM	21	3	14	36	1	10	85
12:30 PM	17	2	9	30	3	6	67
12:45 PM	22	1	9	58	2	7	99
Total	78	7	45	161	7	28	326
01:00 PM	35	3	11	37	0	9	95
01:15 PM	24	1	7	17	2	12	63
01:30 PM	42	1	8	35	1	6	93
01:45 PM	31	0	8	44	3	13	99
Total	132	5	34	133	6	40	350
02:00 PM	44	1	12	23	6	17	103
02:15 PM	36	0	16	35	2	17	106
02:30 PM	42	2	9	34	3	15	105
02:45 PM	38	2	11	38	1	18	108
Total	160	5	48	130	12	67	422
03:00 PM	37	1	21	51	3	14	127
03:15 PM	33	1	25	65	3	12	139
03:30 PM	33	4	23	49	1	14	124
03:45 PM	35	1	26	46	4	16	128
Total	138	7	95	211	11	56	518
Grand Total	713	39	294	914	49	269	2278
Apprch %	94.8	5.2	24.3	75.7	15.4	84.6	
Total %	31.3	1.7	12.9	40.1	2.2	11.8	
Cars	695	39	269	897	48	243	2191
% Cars	97.5	100	91.5	98.1	98	90.3	96.2
Trucks	6	0	0	6	0	1	13
% Trucks	0.8	0	0	0.7	0	0.4	0.6
Buses	12	0	25	11	1	25	74
% Buses	1.7	0	8.5	1.2	2	9.3	3.2

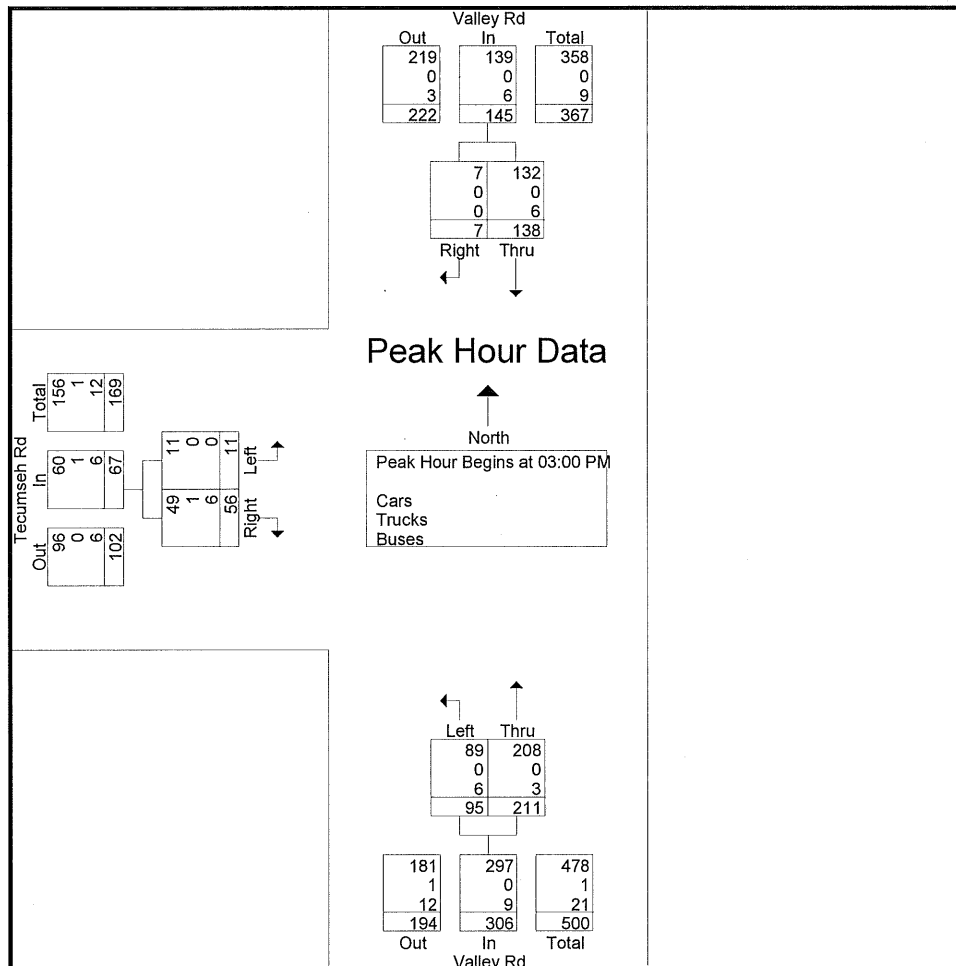
# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tecumseh Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650002  
Site Code : 52650002  
Start Date : 2/15/2014  
Page No : 2

	Valley Rd From North			Valley Rd From South			Tecumseh Rd From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 03:00 PM										
03:00 PM	37	1	38	21	51	72	3	14	17	127
03:15 PM	33	1	34	25	65	90	3	12	15	139
03:30 PM	33	4	37	23	49	72	1	14	15	124
03:45 PM	35	1	36	26	46	72	4	16	20	128
Total Volume	138	7	145	95	211	306	11	56	67	518
% App. Total	95.2	4.8		31	69		16.4	83.6		
PHF	.932	.438	.954	.913	.812	.850	.688	.875	.838	.932
Cars	132	7	139	89	208	297	11	49	60	496
% Cars	95.7	100	95.9	93.7	98.6	97.1	100	87.5	89.6	95.8
Trucks	0	0	0	0	0	0	0	1	1	1
% Trucks	0	0	0	0	0	0	0	1.8	1.5	0.2
Buses	6	0	6	6	3	9	0	6	6	21
% Buses	4.3	0	4.1	6.3	1.4	2.9	0	10.7	9.0	4.1



# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tecumseh Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

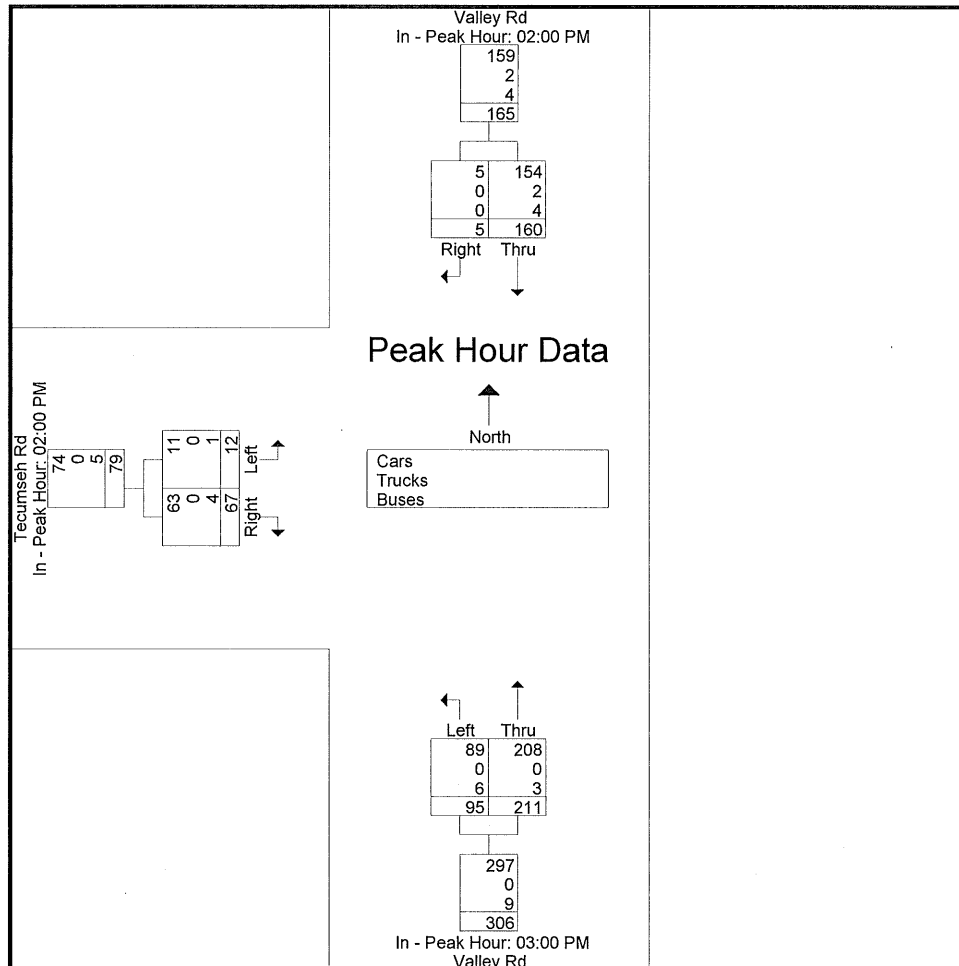
File Name : 52650002  
Site Code : 52650002  
Start Date : 2/15/2014  
Page No : 3

	Valley Rd From North			Valley Rd From South			Tecumseh Rd From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total

Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	02:00 PM			03:00 PM			02:00 PM		
+0 mins.	44	1	45	21	51	72	6	17	23
+15 mins.	36	0	36	25	65	90	2	17	19
+30 mins.	42	2	44	23	49	72	3	15	18
+45 mins.	38	2	40	26	46	72	1	18	19
Total Volume	160	5	165	95	211	306	12	67	79
% App. Total	97	3		31	69		15.2	84.8	
PHF	.909	.625	.917	.913	.812	.850	.500	.931	.859
Cars	154	5	159	89	208	297	11	63	74
% Cars	96.2	100	96.4	93.7	98.6	97.1	91.7	94	93.7
Trucks	2	0	2	0	0	0	0	0	0
% Trucks	1.2	0	1.2	0	0	0	0	0	0
Buses	4	0	4	6	3	9	1	4	5
% Buses	2.5	0	2.4	6.3	1.4	2.9	8.3	6	6.3



# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tecumseh Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650002  
Site Code : 52650002  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Cars

Start Time	Valley Rd From North		Valley Rd From South		Tecumseh Rd From West		Int. Total
	Thru	Right	Left	Thru	Left	Right	
10:00 AM	16	1	9	41	2	12	81
10:15 AM	23	3	5	35	1	7	74
10:30 AM	32	1	8	35	2	8	86
10:45 AM	24	4	12	37	4	9	90
Total	95	9	34	148	9	36	331
11:00 AM	25	2	6	28	0	9	70
11:15 AM	24	0	7	27	1	6	65
11:30 AM	30	0	11	36	3	9	89
11:45 AM	26	4	7	32	0	9	78
Total	105	6	31	123	4	33	302
12:00 PM	18	1	13	36	1	5	74
12:15 PM	21	3	13	36	1	9	83
12:30 PM	17	2	8	30	3	6	66
12:45 PM	22	1	8	58	2	6	97
Total	78	7	42	160	7	26	320
01:00 PM	35	3	10	37	0	8	93
01:15 PM	24	1	6	17	2	11	61
01:30 PM	41	1	7	34	1	5	89
01:45 PM	31	0	8	43	3	12	97
Total	131	5	31	131	6	36	340
02:00 PM	42	1	11	21	6	16	97
02:15 PM	34	0	13	35	1	17	100
02:30 PM	42	2	8	34	3	13	102
02:45 PM	36	2	10	37	1	17	103
Total	154	5	42	127	11	63	402
03:00 PM	35	1	19	50	3	13	121
03:15 PM	31	1	23	65	3	9	132
03:30 PM	32	4	23	47	1	13	120
03:45 PM	34	1	24	46	4	14	123
Total	132	7	89	208	11	49	496
Grand Total	695	39	269	897	48	243	2191
Apprch %	94.7	5.3	23.1	76.9	16.5	83.5	
Total %	31.7	1.8	12.3	40.9	2.2	11.1	

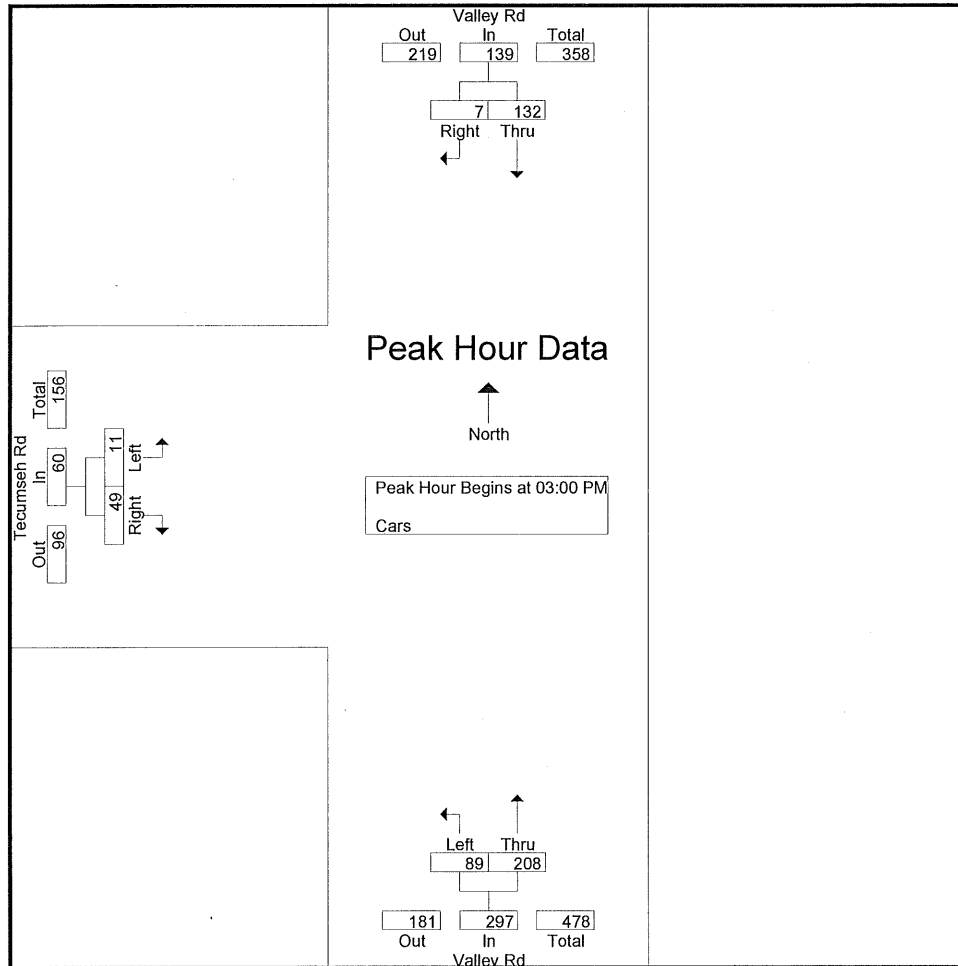
Start Time	Valley Rd From North			Valley Rd From South			Tecumseh Rd From West			Int. Total
	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 03:00 PM										
03:00 PM	35	1	36	19	50	69	3	13	16	121
03:15 PM	31	1	32	23	65	88	3	9	12	132
03:30 PM	32	4	36	23	47	70	1	13	14	120
03:45 PM	34	1	35	24	46	70	4	14	18	123
Total Volume	132	7	139	89	208	297	11	49	60	496
% App. Total	95	5		30	70		18.3	81.7		
PHF	.943	.438	.965	.927	.800	.844	.688	.875	.833	.939

# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tecumseh Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650002  
Site Code : 52650002  
Start Date : 2/15/2014  
Page No : 2



Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

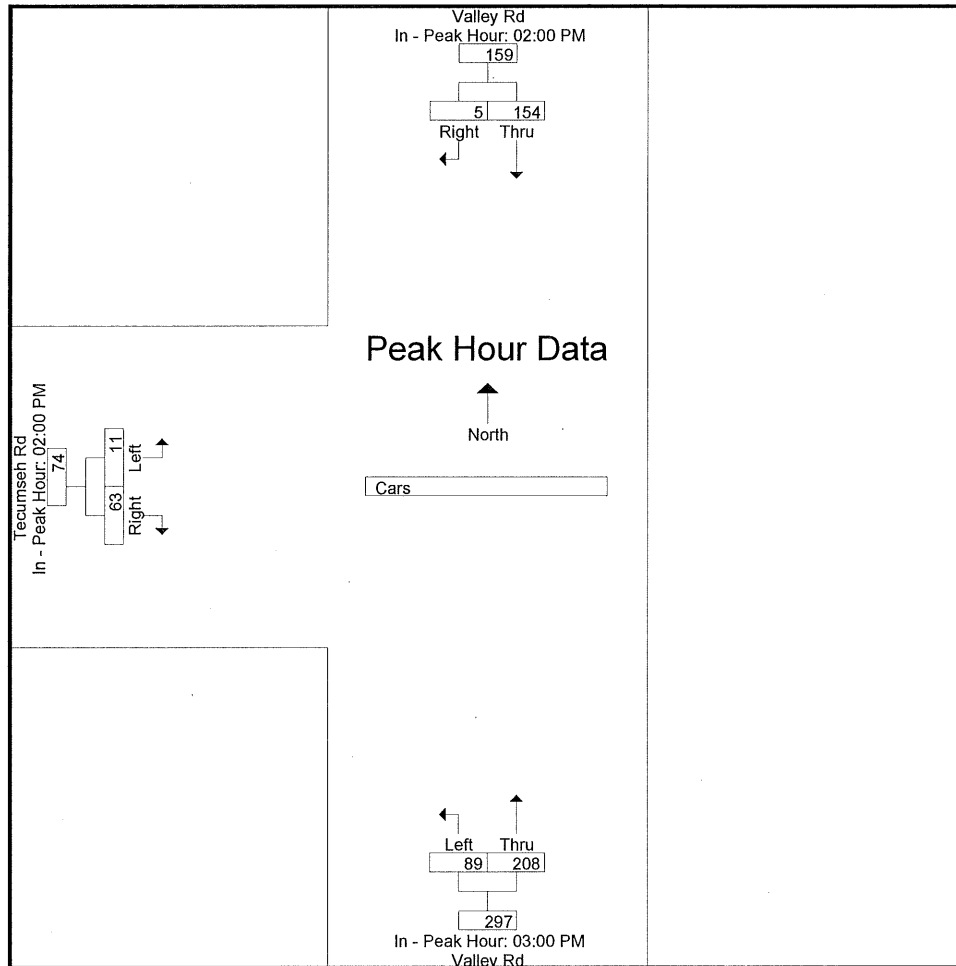
	02:00 PM			03:00 PM			02:00 PM		
+0 mins.	42	1	43	19	50	69	6	16	22
+15 mins.	34	0	34	23	65	88	1	17	18
+30 mins.	42	2	44	23	47	70	3	13	16
+45 mins.	36	2	38	24	46	70	1	17	18
Total Volume	154	5	159	89	208	297	11	63	74
% App. Total	96.9	3.1		30	70		14.9	85.1	
PHF	.917	.625	.903	.927	.800	.844	.458	.926	.841

# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tecumseh Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650002  
Site Code : 52650002  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tecumseh Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650002  
Site Code : 52650002  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Trucks

Start Time	Valley Rd From North		Valley Rd From South		Tecumseh Rd From West		Int. Total
	Thru	Right	Left	Thru	Left	Right	
10:00 AM	1	0	0	0	0	0	1
10:15 AM	0	0	0	0	0	0	0
10:30 AM	0	0	0	1	0	0	1
10:45 AM	0	0	0	1	0	0	1
Total	1	0	0	2	0	0	3
11:00 AM	1	0	0	0	0	0	1
11:15 AM	1	0	0	0	0	0	1
11:30 AM	0	0	0	2	0	0	2
11:45 AM	1	0	0	0	0	0	1
Total	3	0	0	2	0	0	5
12:00 PM	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
01:00 PM	0	0	0	0	0	0	0
01:15 PM	0	0	0	0	0	0	0
01:30 PM	0	0	0	0	0	0	0
01:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
02:00 PM	0	0	0	2	0	0	2
02:15 PM	1	0	0	0	0	0	1
02:30 PM	0	0	0	0	0	0	0
02:45 PM	1	0	0	0	0	0	1
Total	2	0	0	2	0	0	4
03:00 PM	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	1	1
03:30 PM	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	1	1
Grand Total	6	0	0	6	0	1	13
Apprch %	100	0	0	100	0	100	
Total %	46.2	0	0	46.2	0	7.7	

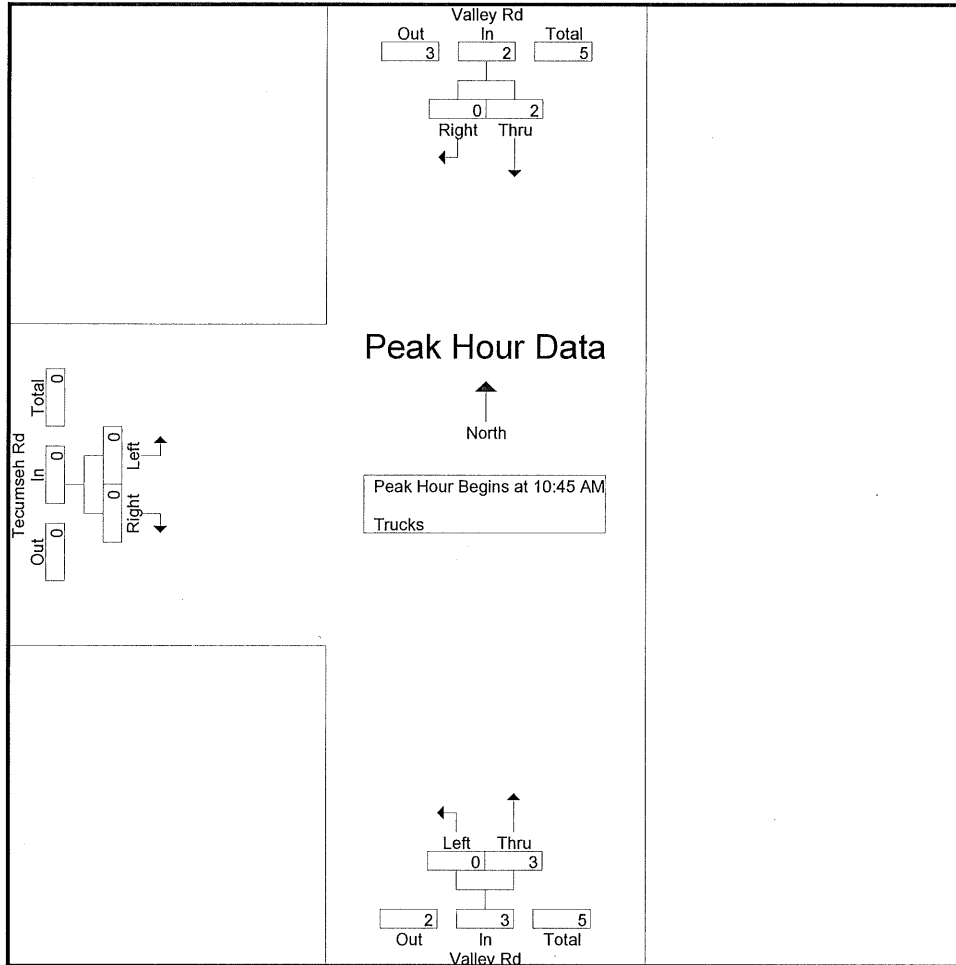
	Valley Rd From North			Valley Rd From South			Tecumseh Rd From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 10:45 AM										
10:45 AM	0	0	0	0	1	1	0	0	0	1
11:00 AM	1	0	1	0	0	0	0	0	0	1
11:15 AM	1	0	1	0	0	0	0	0	0	1
11:30 AM	0	0	0	0	2	2	0	0	0	2
Total Volume	2	0	2	0	3	3	0	0	0	5
% App. Total	100	0		0	100		0	0		
PHF	.500	.000	.500	.000	.375	.375	.000	.000	.000	.625

# Accurate Counts

978-664-2565

N/S Street : Valley Road  
 E/W Street : Tecumseh Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650002  
 Site Code : 52650002  
 Start Date : 2/15/2014  
 Page No : 2



Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

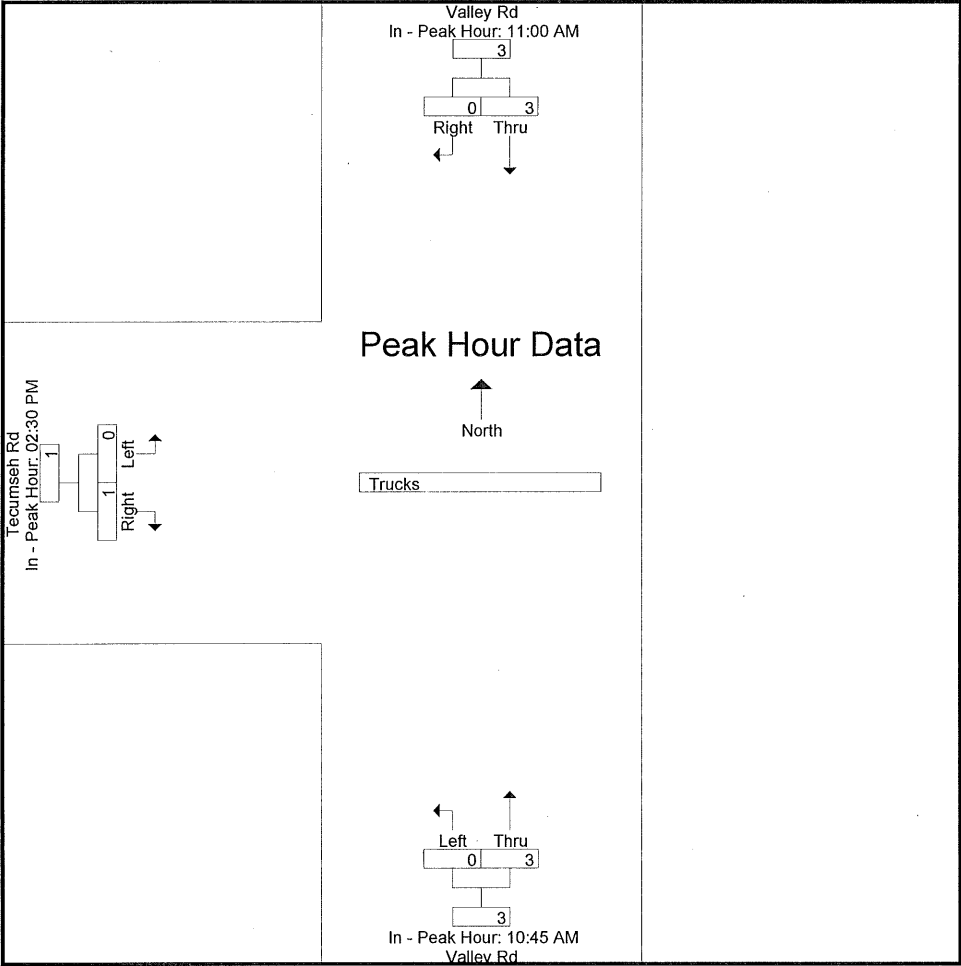
Peak Hour for Each Approach Begins at:

	11:00 AM			10:45 AM			02:30 PM		
+0 mins.	1	0	1	0	1	1	0	0	0
+15 mins.	1	0	1	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0
+45 mins.	1	0	1	0	2	2	0	1	1
Total Volume	3	0	3	0	3	3	0	1	1
% App. Total	100	0		0	100		0	100	
PHF	.750	.000	.750	.000	.375	.375	.000	.250	.250

Accurate Counts  
978-664-2565

N/S Street : Valley Road  
E/W Street : Tecumseh Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650002  
Site Code : 52650002  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tecumseh Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650002  
Site Code : 52650002  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Buses

Start Time	Valley Rd From North		Valley Rd From South		Tecumseh Rd From West		Int. Total
	Thru	Right	Left	Thru	Left	Right	
10:00 AM	1	0	2	1	0	1	5
10:15 AM	0	0	0	1	0	0	1
10:30 AM	0	0	0	1	0	3	4
10:45 AM	0	0	0	1	0	1	2
Total	1	0	2	4	0	5	12
11:00 AM	0	0	1	0	0	2	3
11:15 AM	0	0	1	0	0	1	2
11:30 AM	0	0	2	0	0	0	2
11:45 AM	0	0	1	0	0	1	2
Total	0	0	5	0	0	4	9
12:00 PM	0	0	0	1	0	0	1
12:15 PM	0	0	1	0	0	1	2
12:30 PM	0	0	1	0	0	0	1
12:45 PM	0	0	1	0	0	1	2
Total	0	0	3	1	0	2	6
01:00 PM	0	0	1	0	0	1	2
01:15 PM	0	0	1	0	0	1	2
01:30 PM	1	0	1	1	0	1	4
01:45 PM	0	0	0	1	0	1	2
Total	1	0	3	2	0	4	10
02:00 PM	2	0	1	0	0	1	4
02:15 PM	1	0	3	0	1	0	5
02:30 PM	0	0	1	0	0	2	3
02:45 PM	1	0	1	1	0	1	4
Total	4	0	6	1	1	4	16
03:00 PM	2	0	2	1	0	1	6
03:15 PM	2	0	2	0	0	2	6
03:30 PM	1	0	0	2	0	1	4
03:45 PM	1	0	2	0	0	2	5
Total	6	0	6	3	0	6	21
Grand Total	12	0	25	11	1	25	74
Apprch %	100	0	69.4	30.6	3.8	96.2	
Total %	16.2	0	33.8	14.9	1.4	33.8	

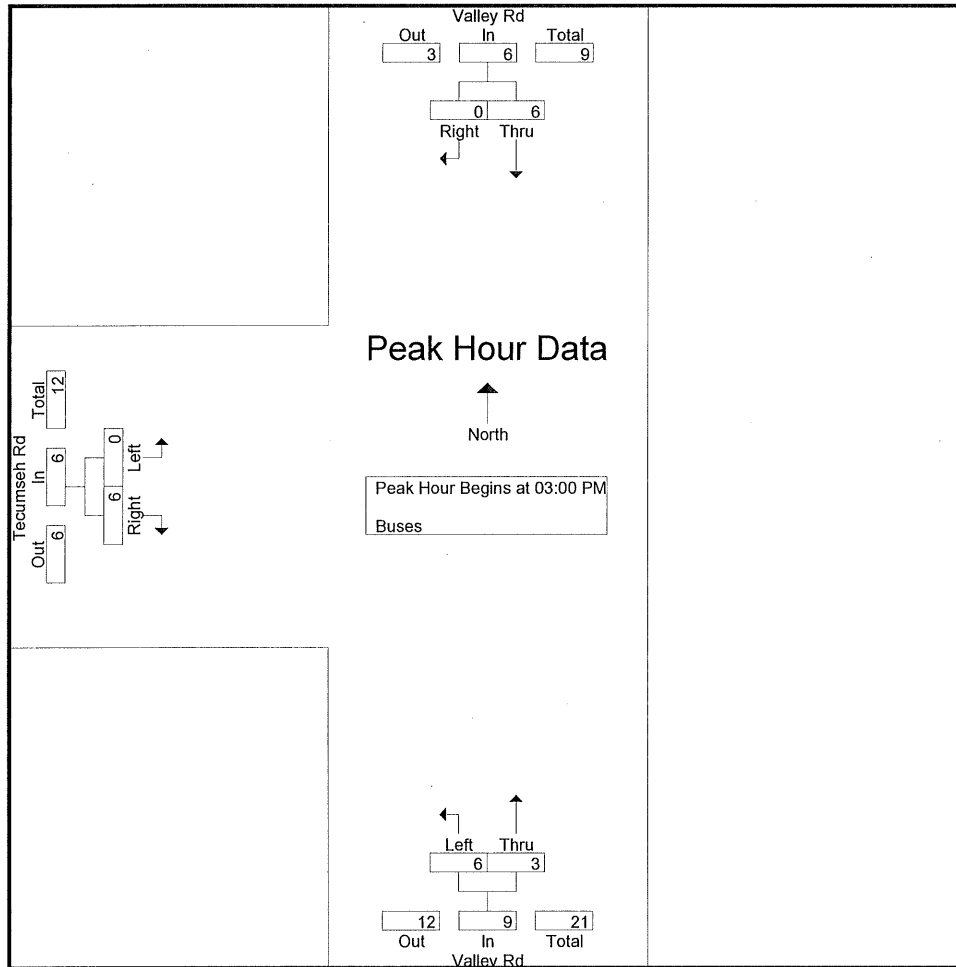
	Valley Rd From North			Valley Rd From South			Tecumseh Rd From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 03:00 PM										
03:00 PM	2	0	2	2	1	3	0	1	1	6
03:15 PM	2	0	2	2	0	2	0	2	2	6
03:30 PM	1	0	1	0	2	2	0	1	1	4
03:45 PM	1	0	1	2	0	2	0	2	2	5
Total Volume	6	0	6	6	3	9	0	6	6	21
% App. Total	100	0		66.7	33.3		0	100		
PHF	.750	.000	.750	.750	.375	.750	.000	.750	.750	.875

# Accurate Counts

978-664-2565

N/S Street : Valley Road  
 E/W Street : Tecumseh Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650002  
 Site Code : 52650002  
 Start Date : 2/15/2014  
 Page No : 2



Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

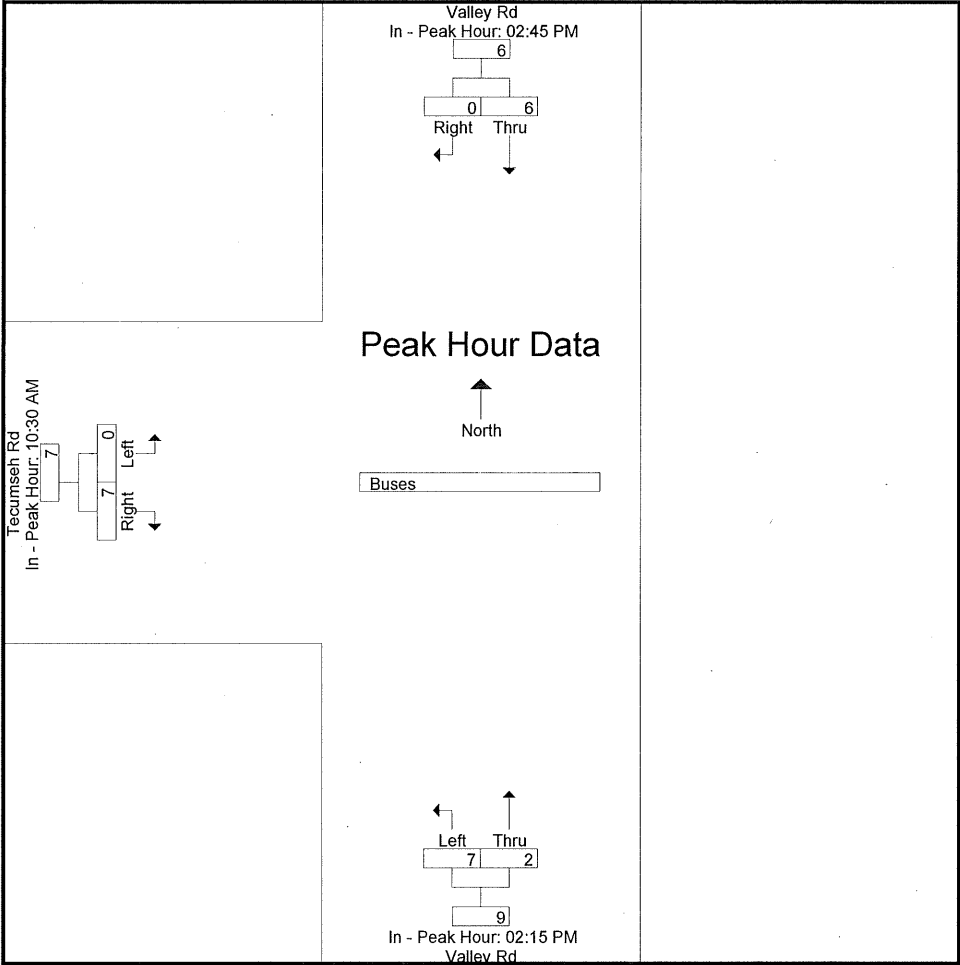
Peak Hour for Each Approach Begins at:

	02:45 PM			02:15 PM			10:30 AM		
+0 mins.	1	0	1	3	0	3	0	3	3
+15 mins.	2	0	2	1	0	1	0	1	1
+30 mins.	2	0	2	1	1	2	0	2	2
+45 mins.	1	0	1	2	1	3	0	1	1
Total Volume	6	0	6	7	2	9	0	7	7
% App. Total	100	0		77.8	22.2		0	100	
PHF	.750	.000	.750	.583	.500	.750	.000	.583	.583

Accurate Counts  
978-664-2565

N/S Street : Valley Road  
E/W Street : Tecumseh Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650002  
Site Code : 52650002  
Start Date : 2/15/2014  
Page No : 3



978-664-2565

File Name : 52650002  
Site Code : 52650002  
Start Date : 2/15/2014  
Page No : 1

	Valley Rd From North			Valley Rd From South			Tecumseh Rd From West					
Start Time	Thru	Right	Peds	Left	Thru	Peds	Left	Right	Peds	Exclu. Total	Inclu. Total	Int. Total
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
10:15 AM	0	0	6	0	0	2	0	0	0	8	0	8
10:30 AM	0	0	2	0	0	1	0	0	0	3	0	3
10:45 AM	0	0	0	0	0	0	0	0	1	1	0	1
Total	0	0	8	0	0	3	0	0	1	12	0	12
11:00 AM	0	0	1	0	0	0	0	0	0	1	0	1
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	2	0	0	0	2	0	2
11:45 AM	1	0	0	0	0	0	0	0	0	0	1	1
Total	1	0	1	0	0	2	0	0	0	3	1	4
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	2	0	0	0	0	0	0	2	0	2
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	2	0	0	0	2	0	2
Total	0	0	2	0	0	2	0	0	0	4	0	4
01:00 PM	0	0	0	0	0	0	0	0	1	1	0	1
01:15 PM	0	0	4	0	1	0	0	0	0	4	1	5
01:30 PM	0	0	2	0	0	2	0	0	0	4	0	4
01:45 PM	0	0	1	0	0	2	0	0	0	3	0	3
Total	0	0	7	0	1	4	0	0	1	12	1	13
02:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
02:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
02:30 PM	0	0	4	0	0	0	0	0	0	4	0	4
02:45 PM	0	0	3	0	0	0	0	0	0	3	0	3
Total	0	0	7	0	0	0	0	0	0	7	0	7
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
03:30 PM	0	0	0	0	0	0	0	0	1	1	0	1
03:45 PM	0	0	1	0	0	0	0	0	0	1	0	1
Total	0	0	1	0	0	0	0	0	1	2	0	2
Grand Total	1	0	26	0	1	11	0	0	3	40	2	42
Apprch %	100	0		0	100		0	0				
Total %	50	0		0	50		0	0		95.2	4.8	

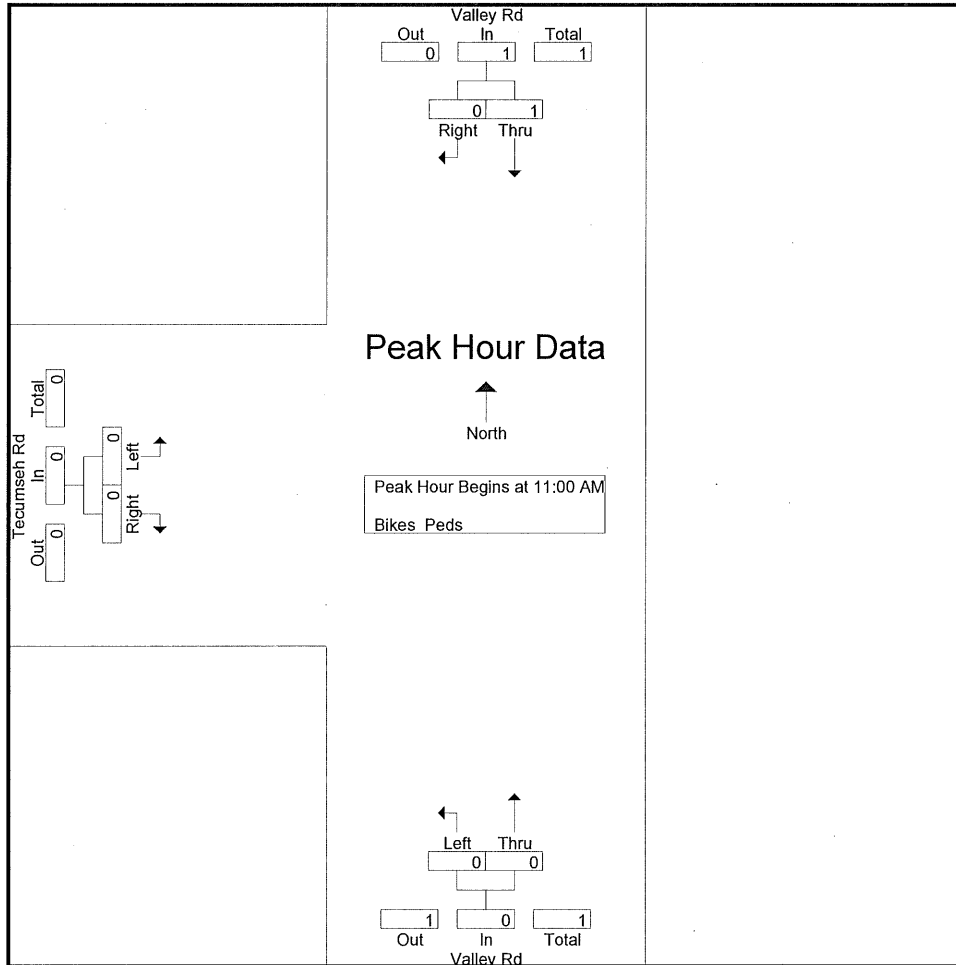
[illegible]

# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tecumseh Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650002  
Site Code : 52650002  
Start Date : 2/15/2014  
Page No : 2



Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

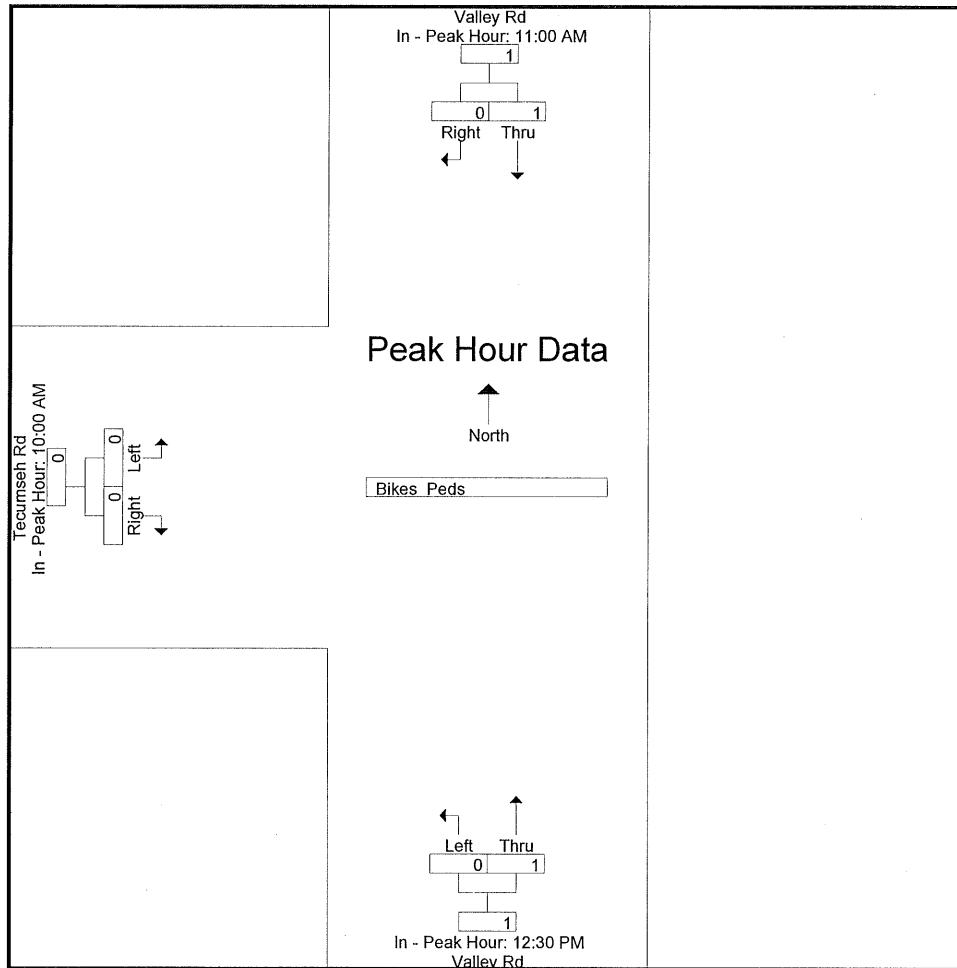
	11:00 AM			12:30 PM			10:00 AM		
+0 mins.	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0
+45 mins.	1	0	1	0	1	1	0	0	0
Total Volume	1	0	1	0	1	1	0	0	0
% App. Total	100	0		0	100		0	0	
PHF	.250	.000	.250	.000	.250	.250	.000	.000	.000

# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Tecumseh Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650002  
Site Code : 52650002  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Cars - Trucks - Buses

Start Time	Valley Rd From North		Valley Rd From South		Packard's Rd From West		Int. Total
	Thru	Right	Left	Thru	Left	Right	
10:00 AM	13	2	12	27	3	7	64
10:15 AM	23	3	13	24	1	6	70
10:30 AM	23	7	8	26	5	6	75
10:45 AM	20	5	11	30	4	3	73
Total	79	17	44	107	13	22	282
11:00 AM	19	3	8	23	7	7	67
11:15 AM	19	2	6	23	3	6	59
11:30 AM	22	2	7	34	0	5	70
11:45 AM	19	4	7	17	3	9	59
Total	79	11	28	97	13	27	255
12:00 PM	13	1	9	28	2	5	58
12:15 PM	18	3	8	30	2	9	70
12:30 PM	14	1	6	33	9	5	68
12:45 PM	20	2	8	39	8	7	84
Total	65	7	31	130	21	26	280
01:00 PM	28	3	7	26	5	19	88
01:15 PM	16	4	8	17	10	12	67
01:30 PM	25	8	6	22	3	19	83
01:45 PM	9	3	10	32	5	22	81
Total	78	18	31	97	23	72	319
02:00 PM	30	3	7	21	4	15	80
02:15 PM	25	4	9	22	2	12	74
02:30 PM	32	5	9	21	2	12	81
02:45 PM	24	1	13	19	3	8	68
Total	111	13	38	83	11	47	303
03:00 PM	34	2	12	34	4	4	90
03:15 PM	30	7	11	39	0	9	96
03:30 PM	30	4	10	28	4	12	88
03:45 PM	26	1	11	42	9	4	93
Total	120	14	44	143	17	29	367
Grand Total	532	80	216	657	98	223	1806
Apprch %	86.9	13.1	24.7	75.3	30.5	69.5	
Total %	29.5	4.4	12	36.4	5.4	12.3	
Cars	520	79	179	651	97	217	1743
% Cars	97.7	98.8	82.9	99.1	99	97.3	96.5
Trucks	9	0	1	5	1	0	16
% Trucks	1.7	0	0.5	0.8	1	0	0.9
Buses	3	1	36	1	0	6	47
% Buses	0.6	1.2	16.7	0.2	0	2.7	2.6

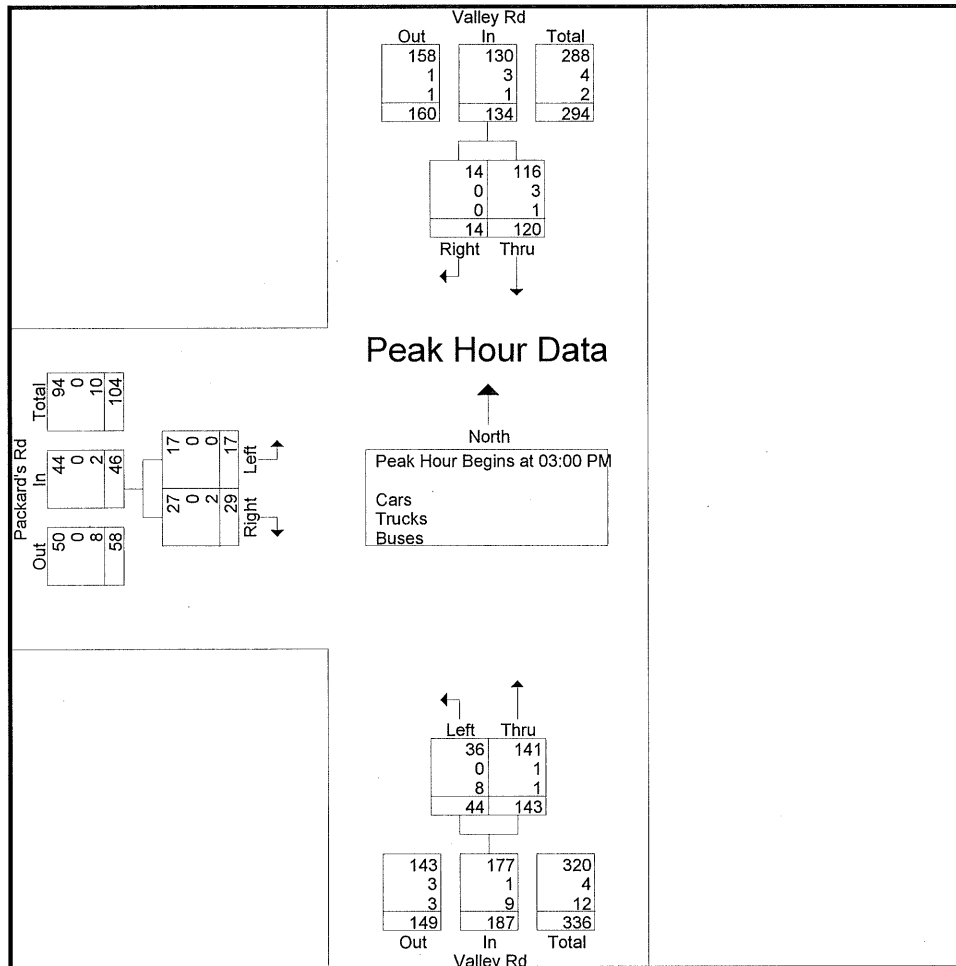
# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 2

	Valley Rd From North			Valley Rd From South			Packard's Rd From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 03:00 PM										
03:00 PM	34	2	36	12	34	46	4	4	8	90
03:15 PM	30	7	37	11	39	50	0	9	9	96
03:30 PM	30	4	34	10	28	38	4	12	16	88
03:45 PM	26	1	27	11	42	53	9	4	13	93
Total Volume	120	14	134	44	143	187	17	29	46	367
% App. Total	89.6	10.4		23.5	76.5		37	63		
PHF	.882	.500	.905	.917	.851	.882	.472	.604	.719	.956
Cars	116	14	130	36	141	177	17	27	44	351
% Cars	96.7	100	97.0	81.8	98.6	94.7	100	93.1	95.7	95.6
Trucks	3	0	3	0	1	1	0	0	0	4
% Trucks	2.5	0	2.2	0	0.7	0.5	0	0	0	1.1
Buses	1	0	1	8	1	9	0	2	2	12
% Buses	0.8	0	0.7	18.2	0.7	4.8	0	6.9	4.3	3.3



# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

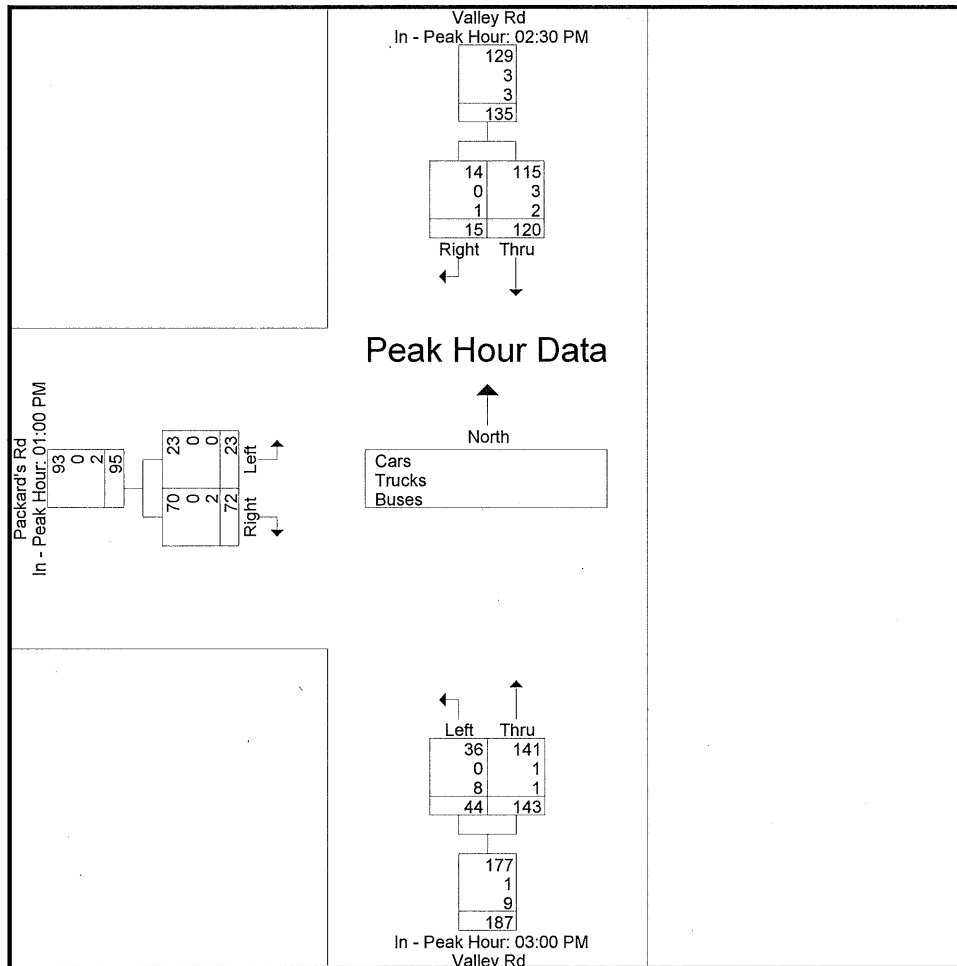
File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 3

	Valley Rd From North			Valley Rd From South			Packard's Rd From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total

Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	02:30 PM			03:00 PM			01:00 PM			
+0 mins.	32	5	37	12	34	46	5	19	24	
+15 mins.	24	1	25	11	39	50	10	12	22	
+30 mins.	34	2	36	10	28	38	3	19	22	
+45 mins.	30	7	37	11	42	53	5	22	27	
Total Volume	120	15	135	44	143	187	23	72	95	
% App. Total	88.9	11.1		23.5	76.5		24.2	75.8		
PHF	.882	.536	.912	.917	.851	.882	.575	.818	.880	
Cars	115	14	129	36	141	177	23	70	93	
% Cars	95.8	93.3	95.6	81.8	98.6	94.7	100	97.2	97.9	
Trucks	3	0	3	0	1	1	0	0	0	
% Trucks	2.5	0	2.2	0	0.7	0.5	0	0	0	
Buses	2	1	3	8	1	9	0	2	2	
% Buses	1.7	6.7	2.2	18.2	0.7	4.8	0	2.8	2.1	



# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Cars

Start Time	Valley Rd From North		Valley Rd From South		Packard's Rd From West		Int. Total
	Thru	Right	Left	Thru	Left	Right	
10:00 AM	11	2	10	27	3	7	60
10:15 AM	23	3	10	24	1	6	67
10:30 AM	23	7	8	26	5	6	75
10:45 AM	20	5	9	28	4	3	69
Total	77	17	37	105	13	22	271
11:00 AM	18	3	7	23	7	7	65
11:15 AM	18	2	5	23	3	6	57
11:30 AM	22	2	5	34	0	5	68
11:45 AM	19	4	7	17	2	8	57
Total	77	11	24	97	12	26	247
12:00 PM	13	1	7	27	2	5	55
12:15 PM	18	3	8	30	2	9	70
12:30 PM	14	1	5	33	9	5	67
12:45 PM	20	2	7	39	8	7	83
Total	65	7	27	129	21	26	275
01:00 PM	28	3	6	26	5	18	86
01:15 PM	16	4	7	17	10	12	66
01:30 PM	25	8	5	22	3	19	82
01:45 PM	9	3	8	32	5	21	78
Total	78	18	26	97	23	70	312
02:00 PM	29	3	6	20	4	15	77
02:15 PM	24	4	6	22	2	12	70
02:30 PM	30	4	8	21	2	12	77
02:45 PM	24	1	9	19	3	7	63
Total	107	12	29	82	11	46	287
03:00 PM	32	2	9	34	4	4	85
03:15 PM	29	7	9	39	0	8	92
03:30 PM	29	4	8	26	4	12	83
03:45 PM	26	1	10	42	9	3	91
Total	116	14	36	141	17	27	351
Grand Total	520	79	179	651	97	217	1743
Apprch %	86.8	13.2	21.6	78.4	30.9	69.1	
Total %	29.8	4.5	10.3	37.3	5.6	12.4	

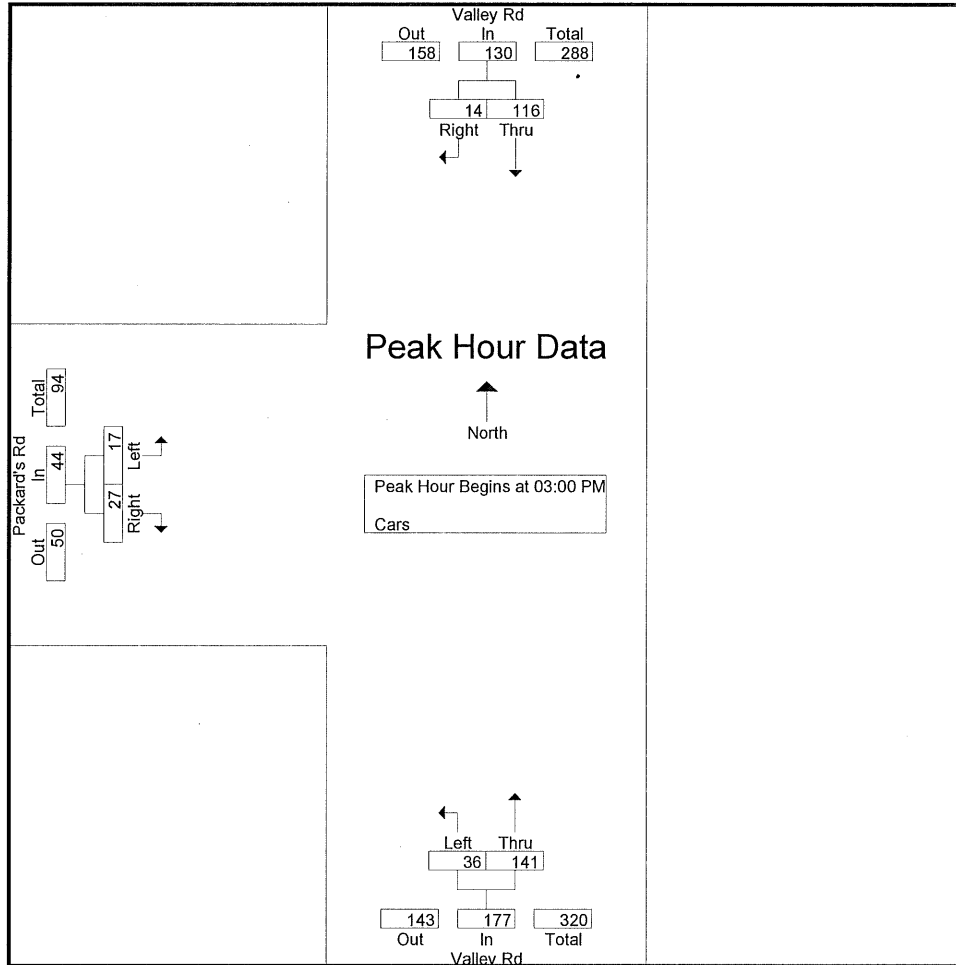
	Valley Rd From North			Valley Rd From South			Packard's Rd From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 03:00 PM										
03:00 PM	32	2	34	9	34	43	4	4	8	85
03:15 PM	29	7	36	9	39	48	0	8	8	92
03:30 PM	29	4	33	8	26	34	4	12	16	83
03:45 PM	26	1	27	10	42	52	9	3	12	91
Total Volume	116	14	130	36	141	177	17	27	44	351
% App. Total	89.2	10.8		20.3	79.7		38.6	61.4		
PHF	.906	.500	.903	.900	.839	.851	.472	.563	.688	.954

# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 2



Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

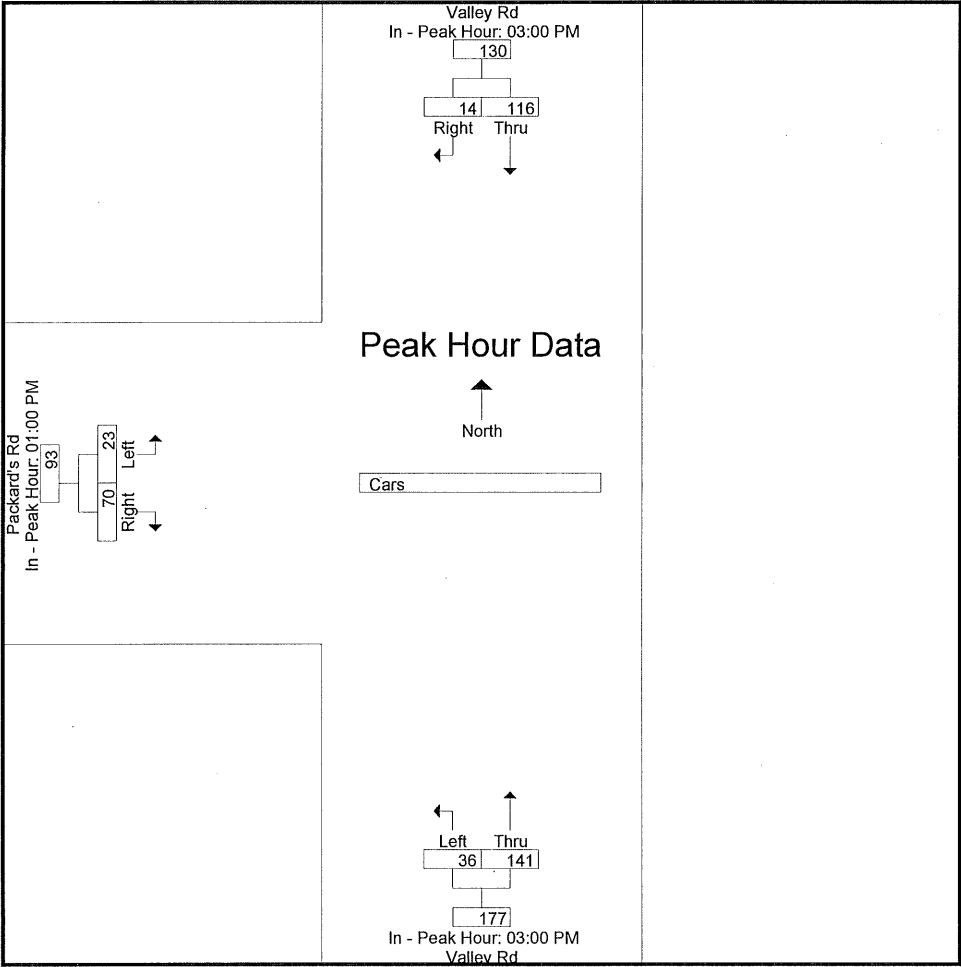
Peak Hour for Each Approach Begins at:

	03:00 PM			03:00 PM			01:00 PM		
+0 mins.	32	2	34	9	34	43	5	18	23
+15 mins.	29	7	36	9	39	48	10	12	22
+30 mins.	29	4	33	8	26	34	3	19	22
+45 mins.	26	1	27	10	42	52	5	21	26
Total Volume	116	14	130	36	141	177	23	70	93
% App. Total	89.2	10.8		20.3	79.7		24.7	75.3	
PHF	.906	.500	.903	.900	.839	.851	.575	.833	.894

Accurate Counts  
978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Trucks

Start Time	Valley Rd From North		Valley Rd From South		Packard's Rd From West		Int. Total
	Thru	Right	Left	Thru	Left	Right	
10:00 AM	1	0	0	0	0	0	1
10:15 AM	0	0	0	0	0	0	0
10:30 AM	0	0	0	0	0	0	0
10:45 AM	0	0	0	2	0	0	2
Total	1	0	0	2	0	0	3
11:00 AM	1	0	0	0	0	0	1
11:15 AM	1	0	0	0	0	0	1
11:30 AM	0	0	1	0	0	0	1
11:45 AM	0	0	0	0	1	0	1
Total	2	0	1	0	1	0	4
12:00 PM	0	0	0	1	0	0	1
12:15 PM	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0
Total	0	0	0	1	0	0	1
01:00 PM	0	0	0	0	0	0	0
01:15 PM	0	0	0	0	0	0	0
01:30 PM	0	0	0	0	0	0	0
01:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
02:00 PM	1	0	0	1	0	0	2
02:15 PM	1	0	0	0	0	0	1
02:30 PM	1	0	0	0	0	0	1
02:45 PM	0	0	0	0	0	0	0
Total	3	0	0	1	0	0	4
03:00 PM	1	0	0	0	0	0	1
03:15 PM	1	0	0	0	0	0	1
03:30 PM	1	0	0	1	0	0	2
03:45 PM	0	0	0	0	0	0	0
Total	3	0	0	1	0	0	4
Grand Total	9	0	1	5	1	0	16
Apprch %	100	0	16.7	83.3	100	0	
Total %	56.2	0	6.2	31.2	6.2	0	

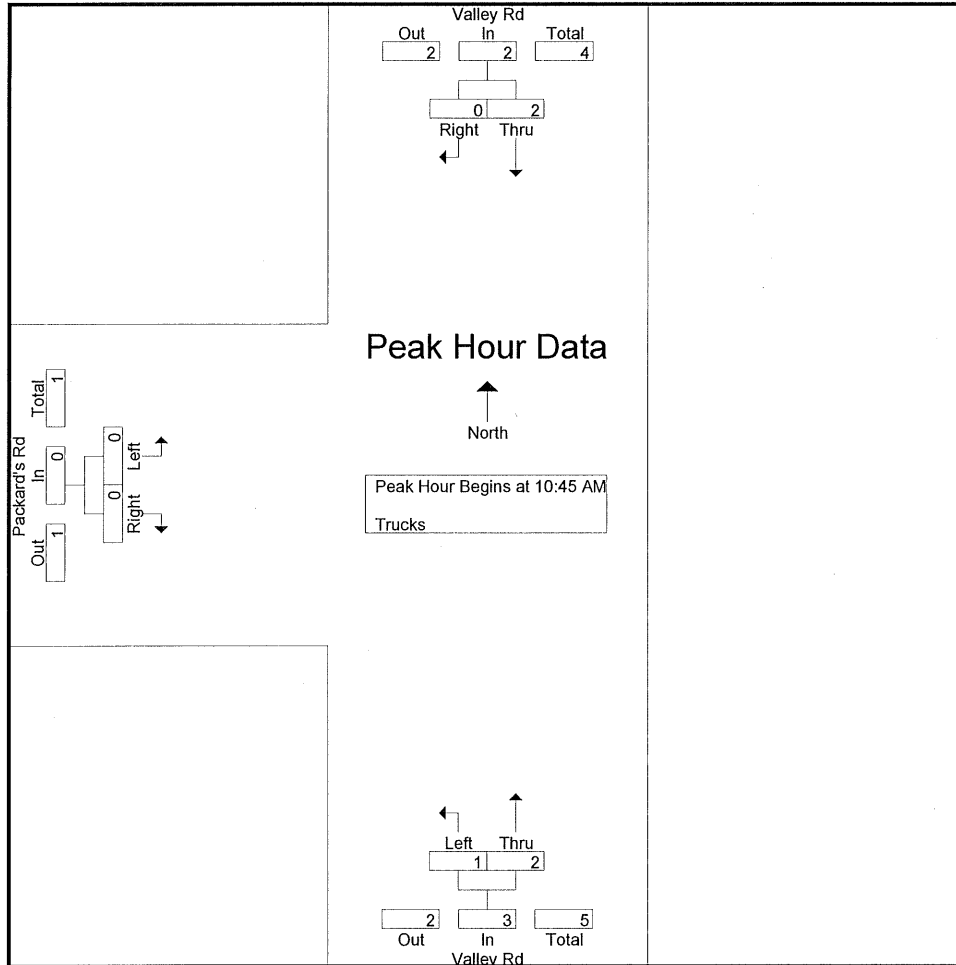
	Valley Rd From North			Valley Rd From South			Packard's Rd From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 10:45 AM										
10:45 AM	0	0	0	0	2	2	0	0	0	2
11:00 AM	1	0	1	0	0	0	0	0	0	1
11:15 AM	1	0	1	0	0	0	0	0	0	1
11:30 AM	0	0	0	1	0	1	0	0	0	1
Total Volume	2	0	2	1	2	3	0	0	0	5
% App. Total	100	0		33.3	66.7		0	0		
PHF	.500	.000	.500	.250	.250	.375	.000	.000	.000	.625

# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 2



Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

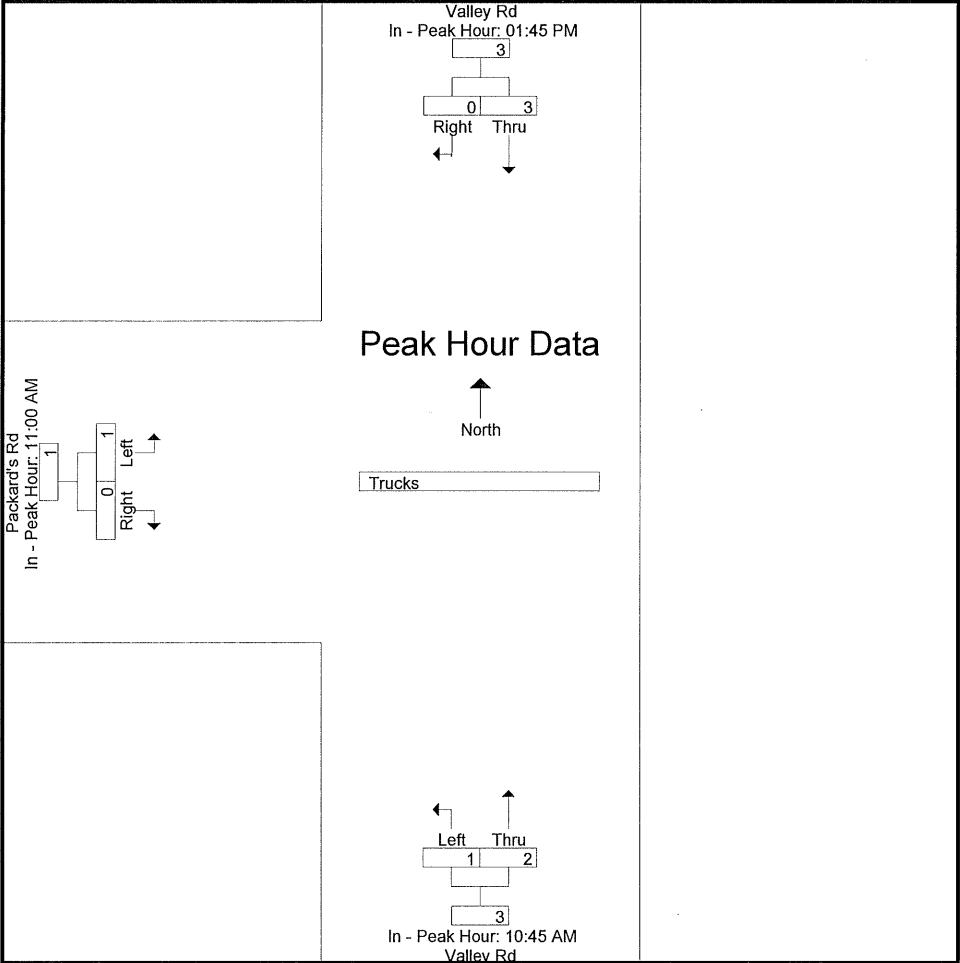
Peak Hour for Each Approach Begins at:

	01:45 PM			10:45 AM			11:00 AM		
+0 mins.	0	0	0	0	2	2	0	0	0
+15 mins.	1	0	1	0	0	0	0	0	0
+30 mins.	1	0	1	0	0	0	0	0	0
+45 mins.	1	0	1	1	0	1	1	0	1
Total Volume	3	0	3	1	2	3	1	0	1
% App. Total	100	0		33.3	66.7		100	0	
PHF	.750	.000	.750	.250	.250	.375	.250	.000	.250

Accurate Counts  
978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Buses

Start Time	Valley Rd From North		Valley Rd From South		Packard's Rd From West		Int. Total
	Thru	Right	Left	Thru	Left	Right	
10:00 AM	1	0	2	0	0	0	3
10:15 AM	0	0	3	0	0	0	3
10:30 AM	0	0	0	0	0	0	0
10:45 AM	0	0	2	0	0	0	2
Total	1	0	7	0	0	0	8
11:00 AM	0	0	1	0	0	0	1
11:15 AM	0	0	1	0	0	0	1
11:30 AM	0	0	1	0	0	0	1
11:45 AM	0	0	0	0	0	1	1
Total	0	0	3	0	0	1	4
12:00 PM	0	0	2	0	0	0	2
12:15 PM	0	0	0	0	0	0	0
12:30 PM	0	0	1	0	0	0	1
12:45 PM	0	0	1	0	0	0	1
Total	0	0	4	0	0	0	4
01:00 PM	0	0	1	0	0	1	2
01:15 PM	0	0	1	0	0	0	1
01:30 PM	0	0	1	0	0	0	1
01:45 PM	0	0	2	0	0	1	3
Total	0	0	5	0	0	2	7
02:00 PM	0	0	1	0	0	0	1
02:15 PM	0	0	3	0	0	0	3
02:30 PM	1	1	1	0	0	0	3
02:45 PM	0	0	4	0	0	1	5
Total	1	1	9	0	0	1	12
03:00 PM	1	0	3	0	0	0	4
03:15 PM	0	0	2	0	0	1	3
03:30 PM	0	0	2	1	0	0	3
03:45 PM	0	0	1	0	0	1	2
Total	1	0	8	1	0	2	12
Grand Total	3	1	36	1	0	6	47
Apprch %	75	25	97.3	2.7	0	100	
Total %	6.4	2.1	76.6	2.1	0	12.8	

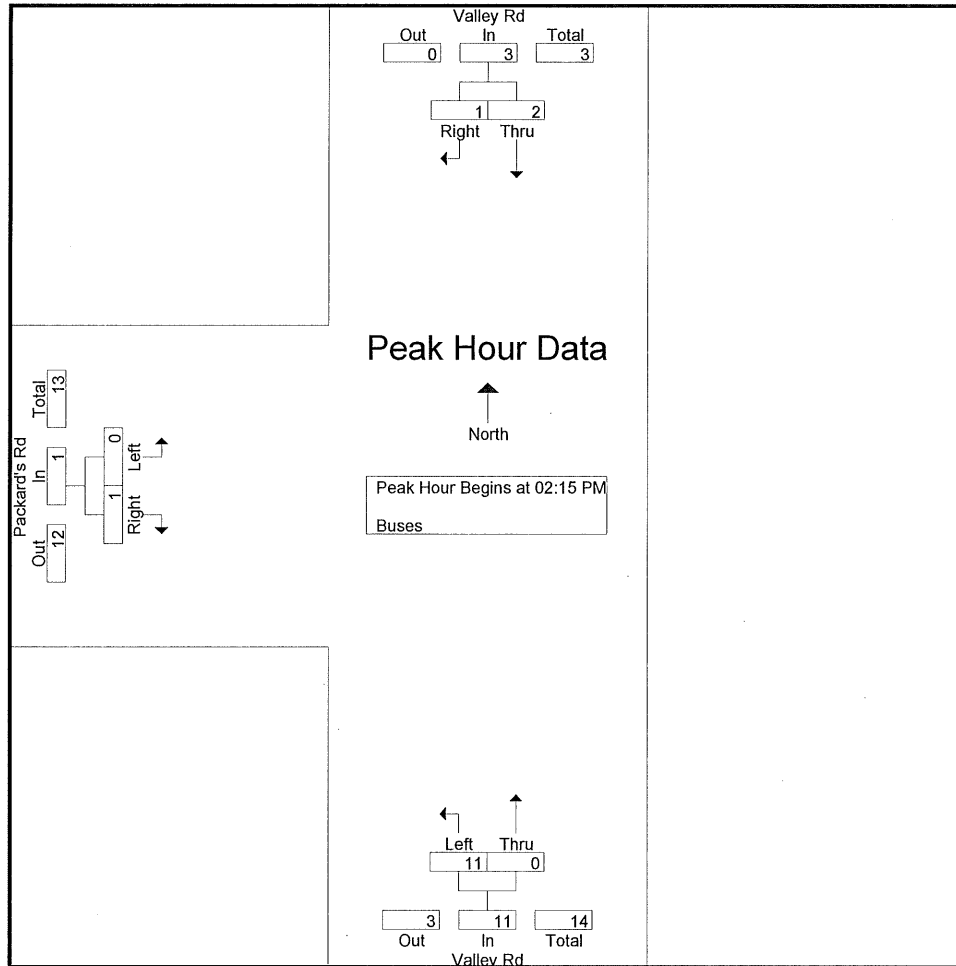
	Valley Rd From North			Valley Rd From South			Packard's Rd From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 02:15 PM										
02:15 PM	0	0	0	3	0	3	0	0	0	3
02:30 PM	1	1	2	1	0	1	0	0	0	3
02:45 PM	0	0	0	4	0	4	0	1	1	5
03:00 PM	1	0	1	3	0	3	0	0	0	4
Total Volume	2	1	3	11	0	11	0	1	1	15
% App. Total	66.7	33.3		100	0		0	100		
PHF	.500	.250	.375	.688	.000	.688	.000	.250	.250	.750

# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 2



Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

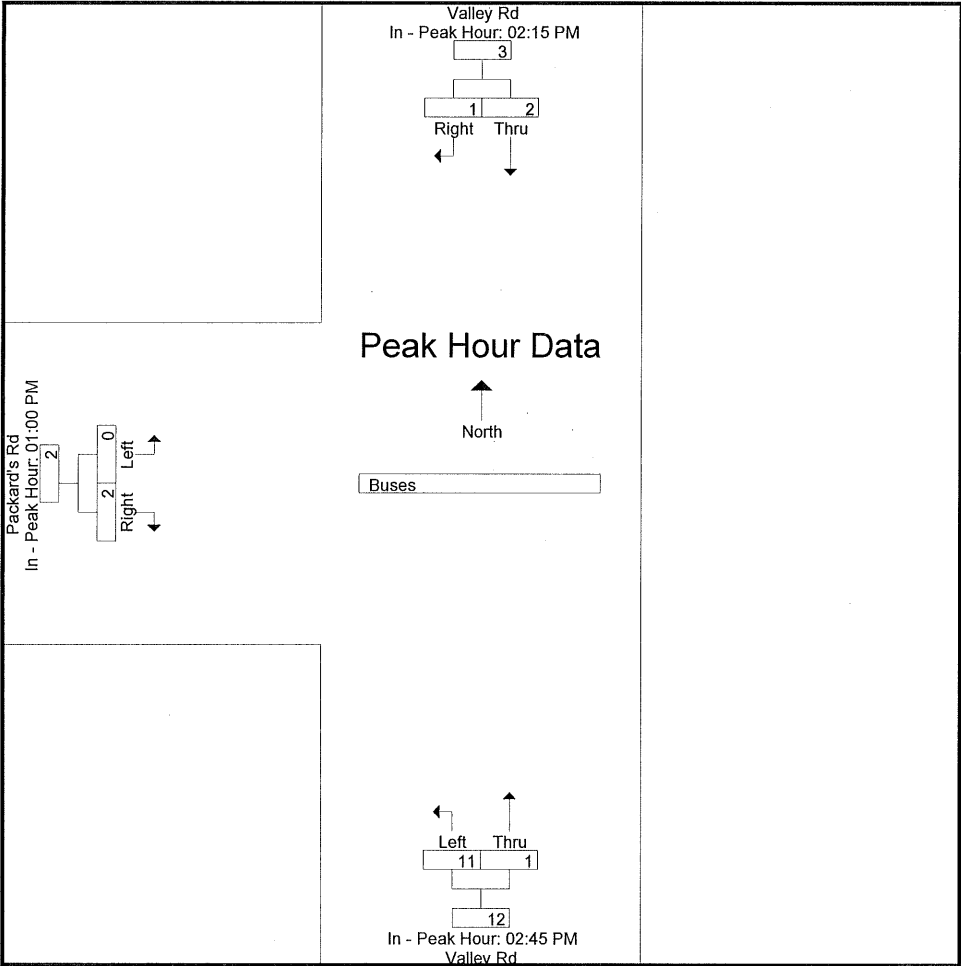
Peak Hour for Each Approach Begins at:

	02:15 PM			02:45 PM			01:00 PM		
+0 mins.	0	0	0	4	0	4	0	1	1
+15 mins.	1	1	2	3	0	3	0	0	0
+30 mins.	0	0	0	2	0	2	0	0	0
+45 mins.	1	0	1	2	1	3	0	1	1
Total Volume	2	1	3	11	1	12	0	2	2
% App. Total	66.7	33.3		91.7	8.3		0	100	
PHF	.500	.250	.375	.688	.250	.750	.000	.500	.500

Accurate Counts  
978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 3



978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 1

### Groups Printed- Bikes Peds

	Valley Rd From North			Valley Rd From South			Packard's Rd From West					
Start Time	Thru	Right	Peds	Left	Thru	Peds	Left	Right	Peds	Exclu. Total	Inclu. Total	Int. Total
10:00 AM	0	0	0	0	0	1	0	0	0	1	0	1
10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
10:45 AM	0	0	0	0	0	2	0	0	0	2	0	2
Total	0	0	0	0	0	3	0	0	0	3	0	3
11:00 AM	0	0	1	0	0	2	0	0	0	3	0	3
11:15 AM	0	0	0	0	0	1	0	0	1	2	0	2
11:30 AM	0	0	2	0	0	0	0	0	0	2	0	2
11:45 AM	1	0	0	0	0	0	0	0	1	1	1	2
Total	1	0	3	0	0	3	0	0	2	8	1	9
12:00 PM	0	0	6	0	0	0	0	0	0	6	0	6
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	7	0	0	0	0	0	0	7	0	7
12:45 PM	0	0	2	0	0	0	0	0	0	2	0	2
Total	0	0	15	0	0	0	0	0	0	15	0	15
01:00 PM	0	0	0	0	0	0	0	0	1	1	0	1
01:15 PM	0	0	0	1	0	0	0	0	0	0	1	1
01:30 PM	0	0	1	0	0	0	0	0	0	1	0	1
01:45 PM	0	0	0	0	0	3	0	0	0	3	0	3
Total	0	0	1	1	0	3	0	0	1	5	1	6
02:00 PM	0	0	0	0	0	2	0	0	0	2	0	2
02:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
02:30 PM	0	0	0	0	0	4	0	0	0	4	0	4
02:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	6	0	0	0	6	0	6
03:00 PM	0	0	0	0	0	1	0	0	1	2	0	2
03:15 PM	0	0	0	0	0	1	0	0	0	1	0	1
03:30 PM	0	0	0	0	0	0	0	0	2	2	0	2
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	2	0	0	3	5	0	5
Grand Total	1	0	19	1	0	17	0	0	6	42	2	44
Apprch %	100	0		100	0		0	0				
Total %	50	0		50	0		0	0		95.5	4.5	

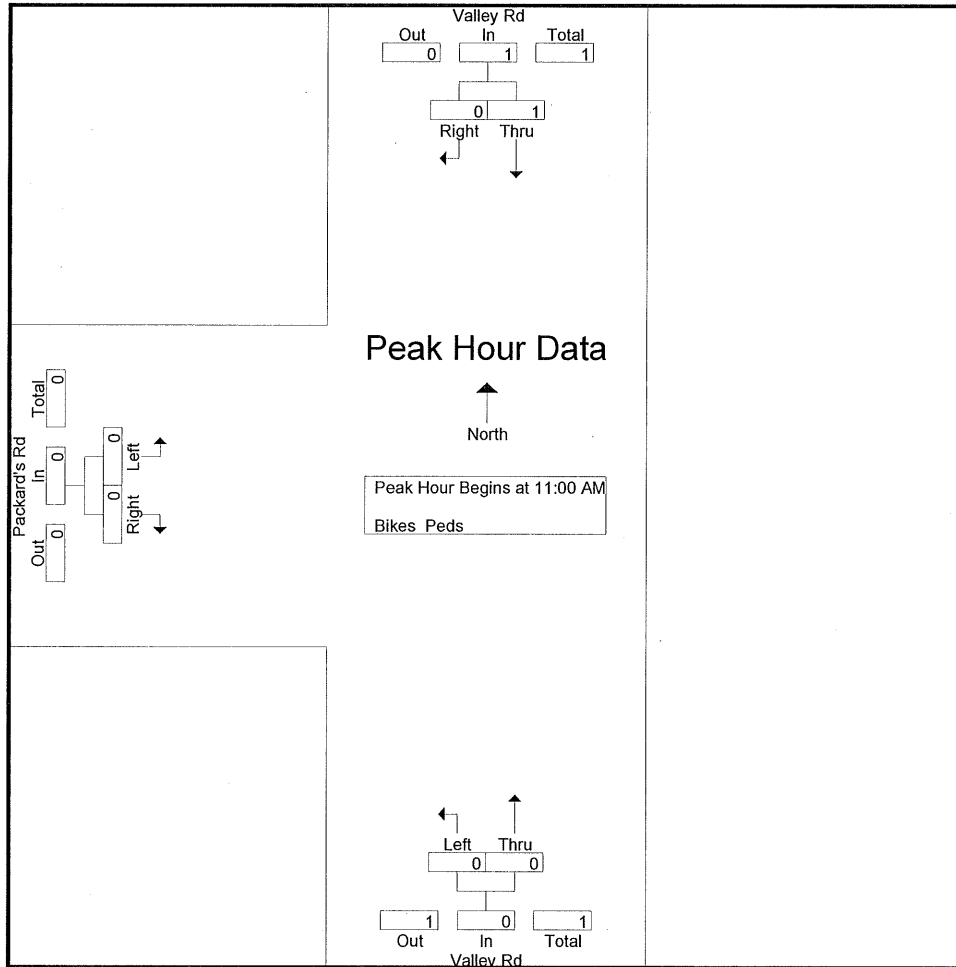
[illegible]

# Accurate Counts

978-664-2565

N/S Street : Valley Road  
 E/W Street : Packard's Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650003  
 Site Code : 52650003  
 Start Date : 2/15/2014  
 Page No : 2



Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

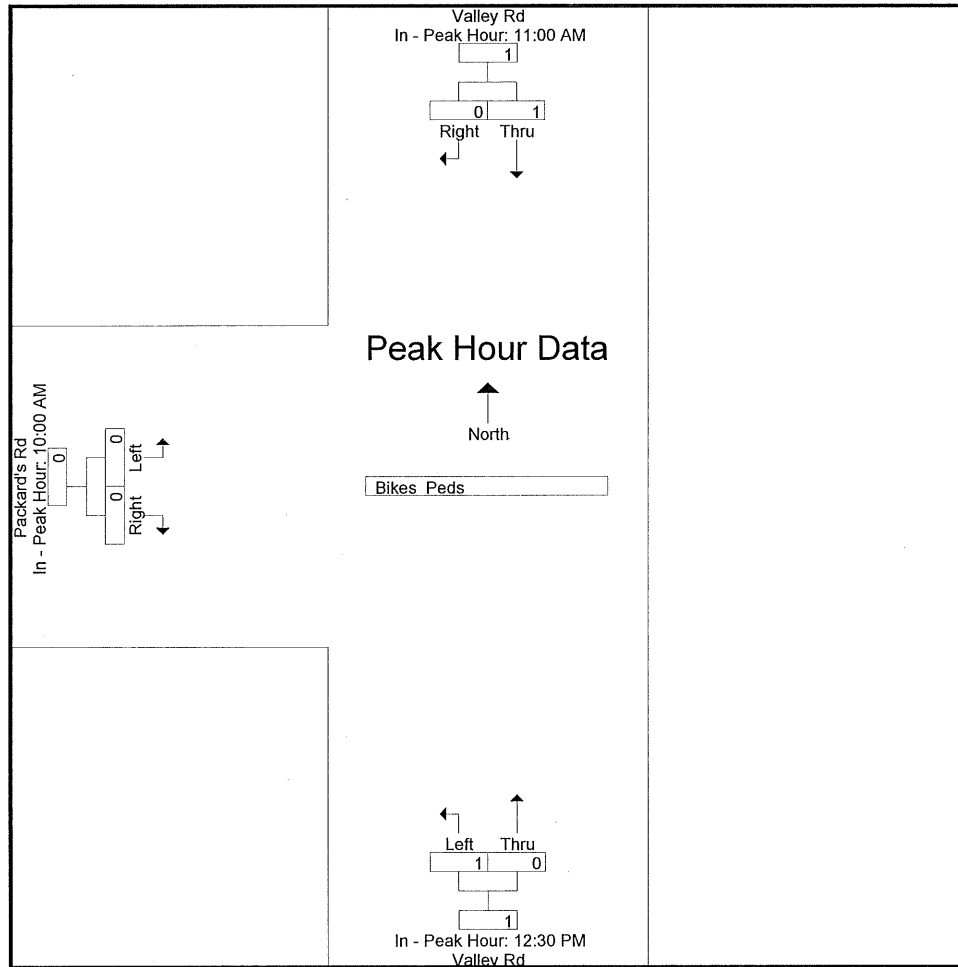
	11:00 AM			12:30 PM			10:00 AM		
+0 mins.	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0
+45 mins.	1	0	1	1	0	1	0	0	0
Total Volume	1	0	1	1	0	1	0	0	0
% App. Total	100	0		100	0		0	0	
PHF	.250	.000	.250	.250	.000	.250	.000	.000	.000

# Accurate Counts

978-664-2565

N/S Street : Valley Road  
E/W Street : Packard's Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650003  
Site Code : 52650003  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Tecumseh Rd  
E/W Street : Packard's Rd /Snow Brook Rd  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650004  
Site Code : 52650004  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Cars - Trucks - Buses

	Packard's Rd From East		Tecumseh Rd From South		Snow Brook Rd From West		Int. Total
Start Time	Left	Thru	Left	Right	Thru	Right	
10:00 AM	2	5	6	2	4	10	29
10:15 AM	0	3	3	1	2	13	22
10:30 AM	3	7	9	3	3	12	37
10:45 AM	0	0.60 4	10	0.72 1	3	0.88 6	24
Total	5	29%	28	0%	12	7%	41
11:00 AM	3	6	7	2	7	4	29
11:15 AM	1	4	5	1	2	4	17
11:30 AM	4	6	9	0	5	16	40
11:45 AM	2	4	7	2	3	8	26
Total	10	20	28	5	17	32	112
12:00 PM	1	6	10	0	3	5	25
12:15 PM	1	5	12	1	4	9	32
12:30 PM	2	3	8	6	6	6	31
12:45 PM	2	6	6	4	5	8	31
Total	6	20	36	11	18	28	119
01:00 PM	4	4	9	1	8	4	30
01:15 PM	5	8	9	4	10	12	48
01:30 PM	5	7	9	0	5	11	37
01:45 PM	5	7	4	3	11	9	39
Total	19	26	31	8	34	36	154
02:00 PM	8	3	6	0	4	12	33
02:15 PM	2	9	10	2	8	21	52
02:30 PM	5	5	10	0	2	11	33
02:45 PM	1	10	15	0	10	21	57
Total	16	27	41	2	24	65	175
03:00 PM	0	10	14	1	6	10	41
03:15 PM	1	6	20	0	6	8	41
03:30 PM	3	6	16	4	5	8	42
03:45 PM	0	0.75 4	14	0.91 4	6	0.60 19	47
Total	4	23%	64	0%	23	10%	45
Grand Total	60	138	228	42	128	247	843
Apprch %	30.3	69.7	84.4	15.6	34.1	65.9	
Total %	7.1	16.4	27	5	15.2	29.3	
Cars	58	103	228	42	123	223	777
% Cars	96.7	74.6	100	100	96.1	90.3	92.2
Trucks	0	1	0	0	1	1	3
% Trucks	0	0.7	0	0	0.8	0.4	0.4
Buses	2	34	0	0	4	23	63
% Buses	3.3	24.6	0	0	3.1	9.3	7.5

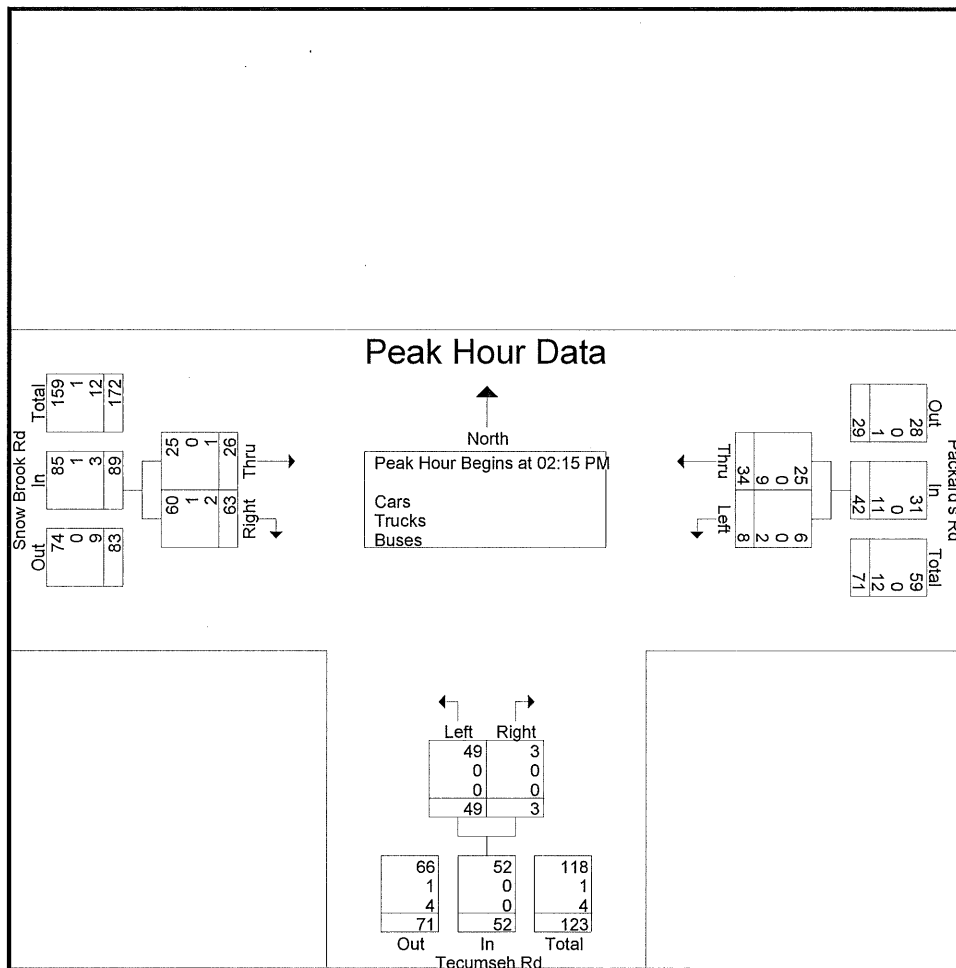
# Accurate Counts

978-664-2565

N/S Street : Tecumseh Rd  
E/W Street : Packard's Rd /Snow Brook Rd  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650004  
Site Code : 52650004  
Start Date : 2/15/2014  
Page No : 2

	Packard's Rd From East			Tecumseh Rd From South			Snow Brook Rd From West			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 02:15 PM										
02:15 PM	2	9	11	10	2	12	8	21	29	52
02:30 PM	5	5	10	10	0	10	2	11	13	33
02:45 PM	1	10	11	15	0	15	10	21	31	57
03:00 PM	0	10	10	14	1	15	6	10	16	41
Total Volume	8	34	42	49	3	52	26	63	89	183
% App. Total	19	81		94.2	5.8		29.2	70.8		
PHF	.400	.850	.955	.817	.375	.867	.650	.750	.718	.803
Cars	6	25	31	49	3	52	25	60	85	168
% Cars	75.0	73.5	73.8	100	100	100	96.2	95.2	95.5	91.8
Trucks	0	0	0	0	0	0	0	1	1	1
% Trucks	0	0	0	0	0	0	0	1.6	1.1	0.5
Buses	2	9	11	0	0	0	1	2	3	14
% Buses	25.0	26.5	26.2	0	0	0	3.8	3.2	3.4	7.7



# Accurate Counts

978-664-2565

N/S Street : Tecumseh Rd  
E/W Street : Packard's Rd /Snow Brook Rd  
City/State : Waterville Valley, NH  
Weather : Cloudy

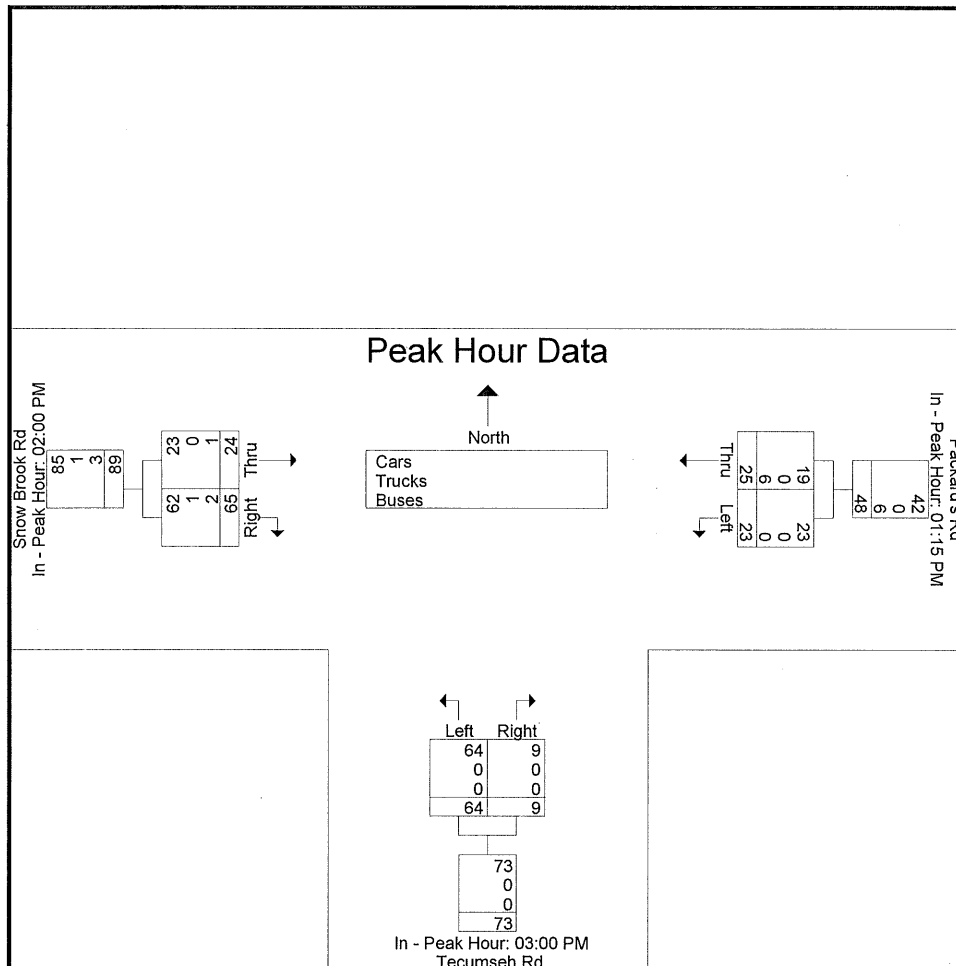
File Name : 52650004  
Site Code : 52650004  
Start Date : 2/15/2014  
Page No : 3

	Packard's Rd From East			Tecumseh Rd From South			Snow Brook Rd From West			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total

Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	01:15 PM			03:00 PM			02:00 PM			
+0 mins.	5	8	13	14	1	15	4	12	16	
+15 mins.	5	7	12	20	0	20	8	21	29	
+30 mins.	5	7	12	16	4	20	2	11	13	
+45 mins.	8	3	11	14	4	18	10	21	31	
Total Volume	23	25	48	64	9	73	24	65	89	
% App. Total	47.9	52.1		87.7	12.3		27	73		
PHF	.719	.781	.923	.800	.563	.913	.600	.774	.718	
Cars	23	19	42	64	9	73	23	62	85	
% Cars	100	76	87.5	100	100	100	95.8	95.4	95.5	
Trucks	0	0	0	0	0	0	0	1	1	
% Trucks	0	0	0	0	0	0	0	1.5	1.1	
Buses	0	6	6	0	0	0	1	2	3	
% Buses	0	24	12.5	0	0	0	4.2	3.1	3.4	



# Accurate Counts

978-664-2565

N/S Street : Tecumseh Rd  
E/W Street : Packard's Rd /Snow Brook Rd  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650004  
Site Code : 52650004  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Cars

	Packard's Rd From East		Tecumseh Rd From South		Snow Brook Rd From West		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
10:00 AM	2	3	6	2	4	9	26
10:15 AM	0	0	3	1	2	12	18
10:30 AM	3	7	9	3	3	9	34
10:45 AM	0	2	10	1	3	6	22
Total	5	12	28	7	12	36	100
11:00 AM	3	5	7	2	7	2	26
11:15 AM	1	3	5	1	2	3	15
11:30 AM	4	4	9	0	5	15	37
11:45 AM	2	4	7	2	2	7	24
Total	10	16	28	5	16	27	102
12:00 PM	1	4	10	0	3	4	22
12:15 PM	1	5	12	1	4	8	31
12:30 PM	2	2	8	6	6	6	30
12:45 PM	2	6	6	4	5	7	30
Total	6	17	36	11	18	25	113
01:00 PM	4	3	9	1	8	3	28
01:15 PM	5	6	9	4	10	11	45
01:30 PM	5	6	9	0	5	10	35
01:45 PM	5	5	4	3	11	8	36
Total	19	20	31	8	34	32	144
02:00 PM	8	2	6	0	4	11	31
02:15 PM	1	7	10	2	8	21	49
02:30 PM	4	4	10	0	2	10	30
02:45 PM	1	6	15	0	9	20	51
Total	14	19	41	2	23	62	161
03:00 PM	0	8	14	1	6	9	38
03:15 PM	1	4	20	0	5	8	38
03:30 PM	3	4	16	4	5	7	39
03:45 PM	0	3	14	4	4	17	42
Total	4	19	64	9	20	41	157
Grand Total	58	103	228	42	123	223	777
Apprch %	36	64	84.4	15.6	35.5	64.5	
Total %	7.5	13.3	29.3	5.4	15.8	28.7	

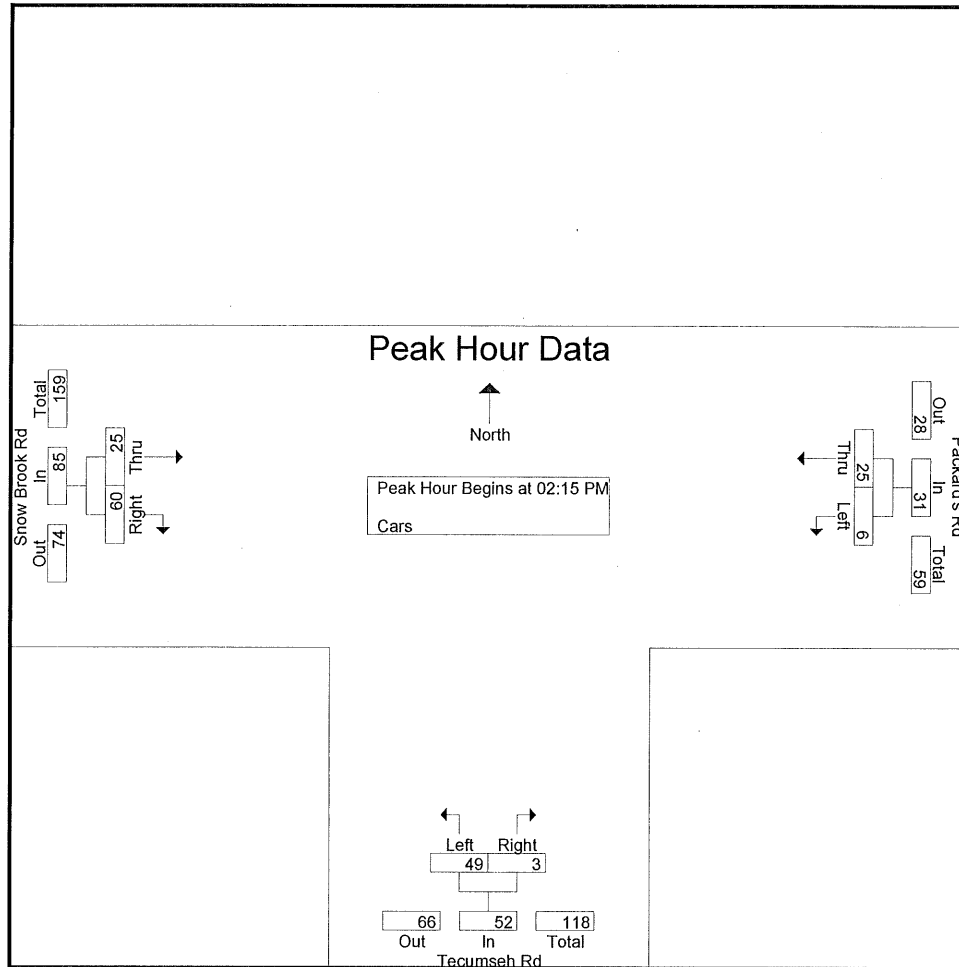
	Packard's Rd From East			Tecumseh Rd From South			Snow Brook Rd From West			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 02:15 PM										
02:15 PM	1	7	8	10	2	12	8	21	29	49
02:30 PM	4	4	8	10	0	10	2	10	12	30
02:45 PM	1	6	7	15	0	15	9	20	29	51
03:00 PM	0	8	8	14	1	15	6	9	15	38
Total Volume	6	25	31	49	3	52	25	60	85	168
% App. Total	19.4	80.6		94.2	5.8		29.4	70.6		
PHF	.375	.781	.969	.817	.375	.867	.694	.714	.733	.824

# Accurate Counts

978-664-2565

N/S Street : Tecumseh Rd  
 E/W Street : Packard's Rd /Snow Brook Rd  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650004  
 Site Code : 52650004  
 Start Date : 2/15/2014  
 Page No : 2



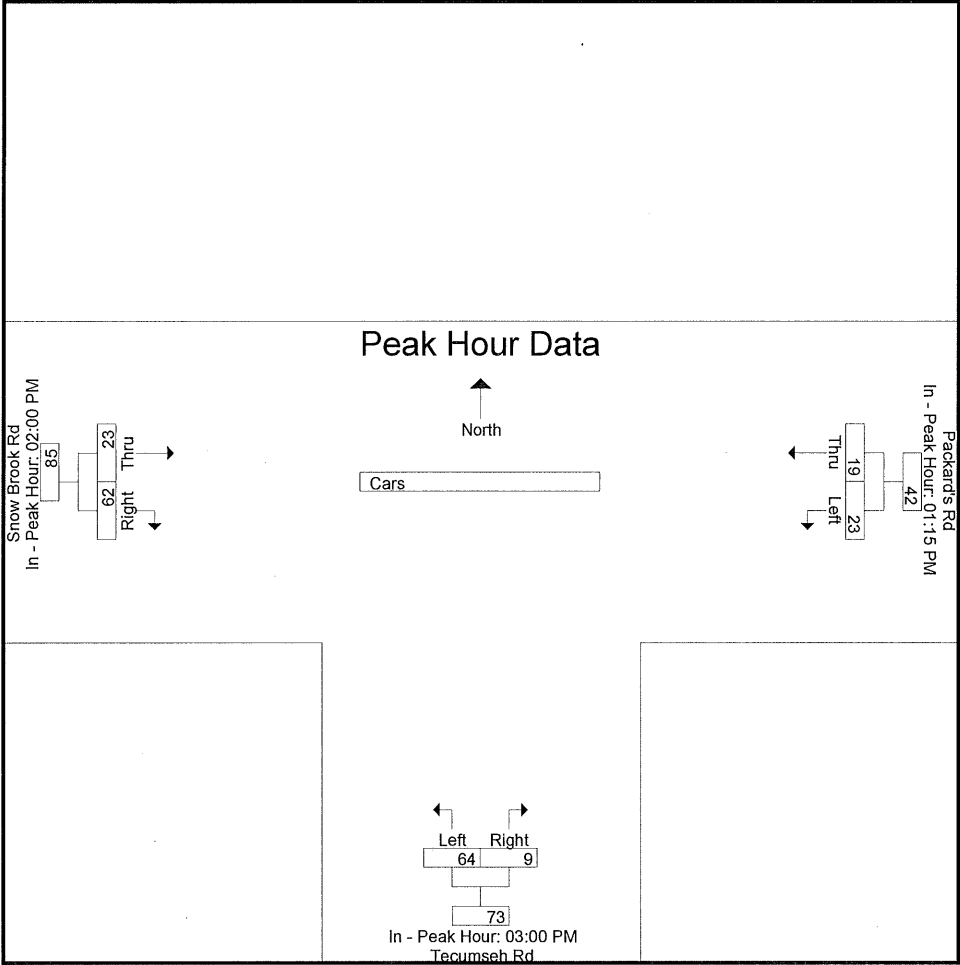
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

	01:15 PM			03:00 PM			02:00 PM		
+0 mins.	5	6	11	14	1	15	4	11	15
+15 mins.	5	6	11	20	0	20	8	21	29
+30 mins.	5	5	10	16	4	20	2	10	12
+45 mins.	8	2	10	14	4	18	9	20	29
Total Volume	23	19	42	64	9	73	23	62	85
% App. Total	54.8	45.2		87.7	12.3		27.1	72.9	
PHF	.719	.792	.955	.800	.563	.913	.639	.738	.733

Accurate Counts  
978-664-2565

N/S Street : Tecumseh Rd  
E/W Street : Packard's Rd /Snow Brook Rd  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650004  
Site Code : 52650004  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Tecumseh Rd  
E/W Street : Packard's Rd /Snow Brook Rd  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650004  
Site Code : 52650004  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Trucks

	Packard's Rd From East		Tecumseh Rd From South		Snow Brook Rd From West		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
10:00 AM	0	0	0	0	0	0	0
10:15 AM	0	0	0	0	0	0	0
10:30 AM	0	0	0	0	0	0	0
10:45 AM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
11:00 AM	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0
11:30 AM	0	1	0	0	0	0	1
11:45 AM	0	0	0	0	1	0	1
Total	0	1	0	0	1	0	2
12:00 PM	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
01:00 PM	0	0	0	0	0	0	0
01:15 PM	0	0	0	0	0	0	0
01:30 PM	0	0	0	0	0	0	0
01:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
02:00 PM	0	0	0	0	0	0	0
02:15 PM	0	0	0	0	0	0	0
02:30 PM	0	0	0	0	0	0	0
02:45 PM	0	0	0	0	0	1	1
Total	0	0	0	0	0	1	1
03:00 PM	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	0	0
03:30 PM	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
Grand Total	0	1	0	0	1	1	3
Apprch %	0	100	0	0	50	50	
Total %	0	33.3	0	0	33.3	33.3	

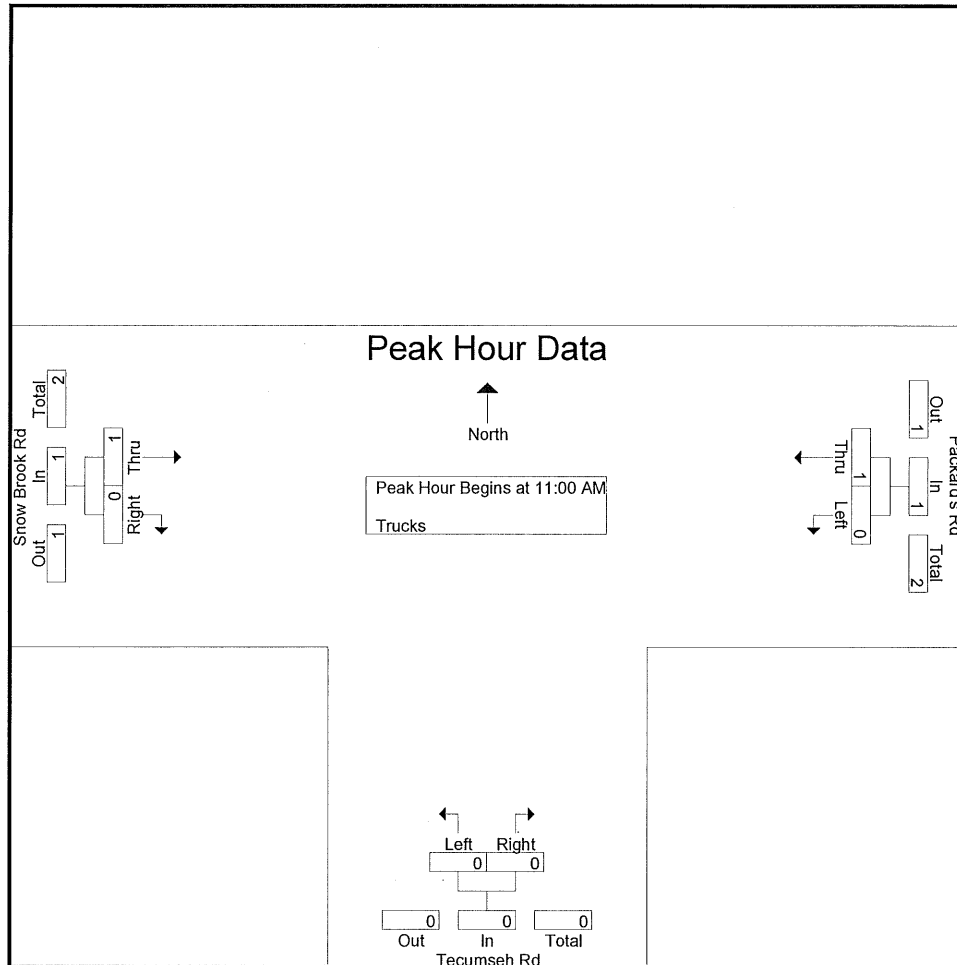
	Packard's Rd From East			Tecumseh Rd From South			Snow Brook Rd From West			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 11:00 AM										
11:00 AM	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	1	1	0	0	0	0	0	0	1
11:45 AM	0	0	0	0	0	0	1	0	1	1
Total Volume	0	1	1	0	0	0	1	0	1	2
% App. Total	0	100		0	0		100	0		
PHF	.000	.250	.250	.000	.000	.000	.250	.000	.250	.500

# Accurate Counts

978-664-2565

N/S Street : Tecumseh Rd  
 E/W Street : Packard's Rd /Snow Brook Rd  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650004  
 Site Code : 52650004  
 Start Date : 2/15/2014  
 Page No : 2



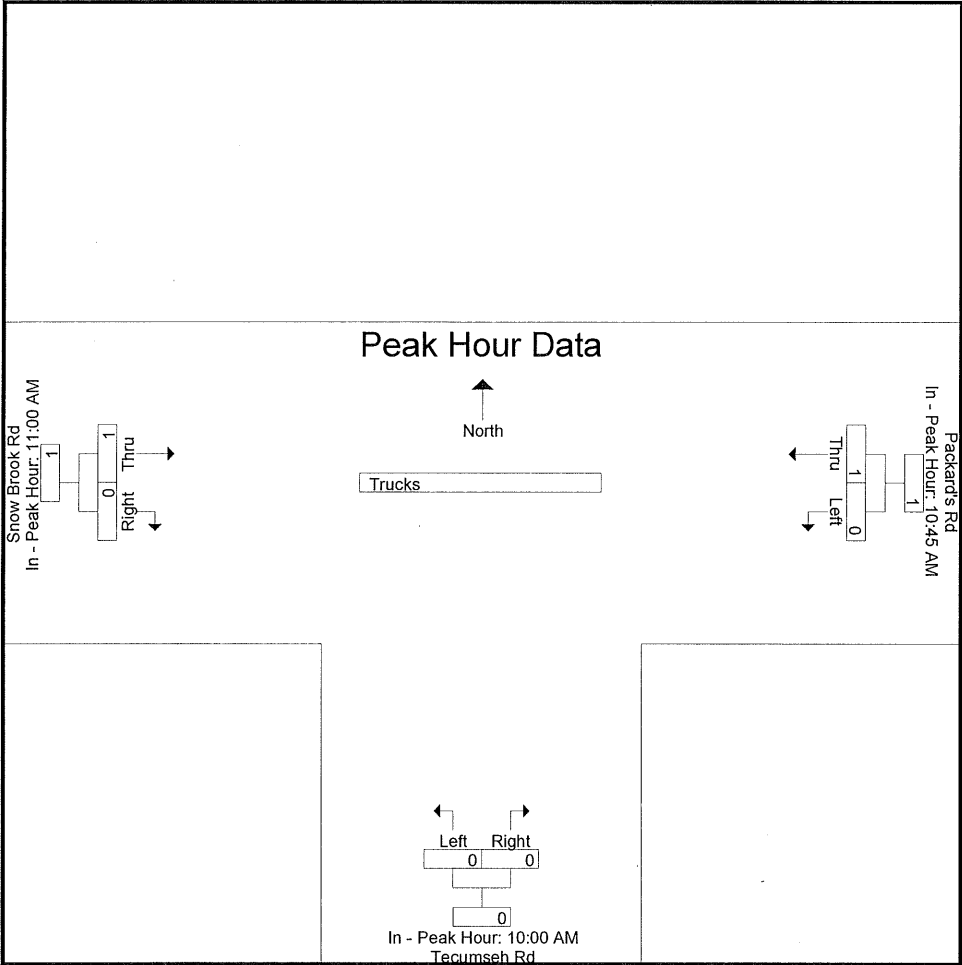
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

	10:45 AM			10:00 AM			11:00 AM		
+0 mins.	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0
+45 mins.	0	1	1	0	0	0	1	0	1
Total Volume	0	1	1	0	0	0	1	0	1
% App. Total	0	100		0	0		100	0	
PHF	.000	.250	.250	.000	.000	.000	.250	.000	.250

Accurate Counts  
978-664-2565

N/S Street : Tecumseh Rd  
E/W Street : Packard's Rd /Snow Brook Rd  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650004  
Site Code : 52650004  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Tecumseh Rd  
E/W Street : Packard's Rd /Snow Brook Rd  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650004  
Site Code : 52650004  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Buses

Start Time	Packard's Rd From East		Tecumseh Rd From South		Snow Brook Rd From West		Int. Total
	Left	Thru	Left	Right	Thru	Right	
10:00 AM	0	2	0	0	0	1	3
10:15 AM	0	3	0	0	0	1	4
10:30 AM	0	0	0	0	0	3	3
10:45 AM	0	2	0	0	0	0	2
Total	0	7	0	0	0	5	12
11:00 AM	0	1	0	0	0	2	3
11:15 AM	0	1	0	0	0	1	2
11:30 AM	0	1	0	0	0	1	2
11:45 AM	0	0	0	0	0	1	1
Total	0	3	0	0	0	5	8
12:00 PM	0	2	0	0	0	1	3
12:15 PM	0	0	0	0	0	1	1
12:30 PM	0	1	0	0	0	0	1
12:45 PM	0	0	0	0	0	1	1
Total	0	3	0	0	0	3	6
01:00 PM	0	1	0	0	0	1	2
01:15 PM	0	2	0	0	0	1	3
01:30 PM	0	1	0	0	0	1	2
01:45 PM	0	2	0	0	0	1	3
Total	0	6	0	0	0	4	10
02:00 PM	0	1	0	0	0	1	2
02:15 PM	1	2	0	0	0	0	3
02:30 PM	1	1	0	0	0	1	3
02:45 PM	0	4	0	0	1	0	5
Total	2	8	0	0	1	2	13
03:00 PM	0	2	0	0	0	1	3
03:15 PM	0	2	0	0	1	0	3
03:30 PM	0	2	0	0	0	1	3
03:45 PM	0	1	0	0	2	2	5
Total	0	7	0	0	3	4	14
Grand Total	2	34	0	0	4	23	63
Apprch %	5.6	94.4	0	0	14.8	85.2	
Total %	3.2	54	0	0	6.3	36.5	

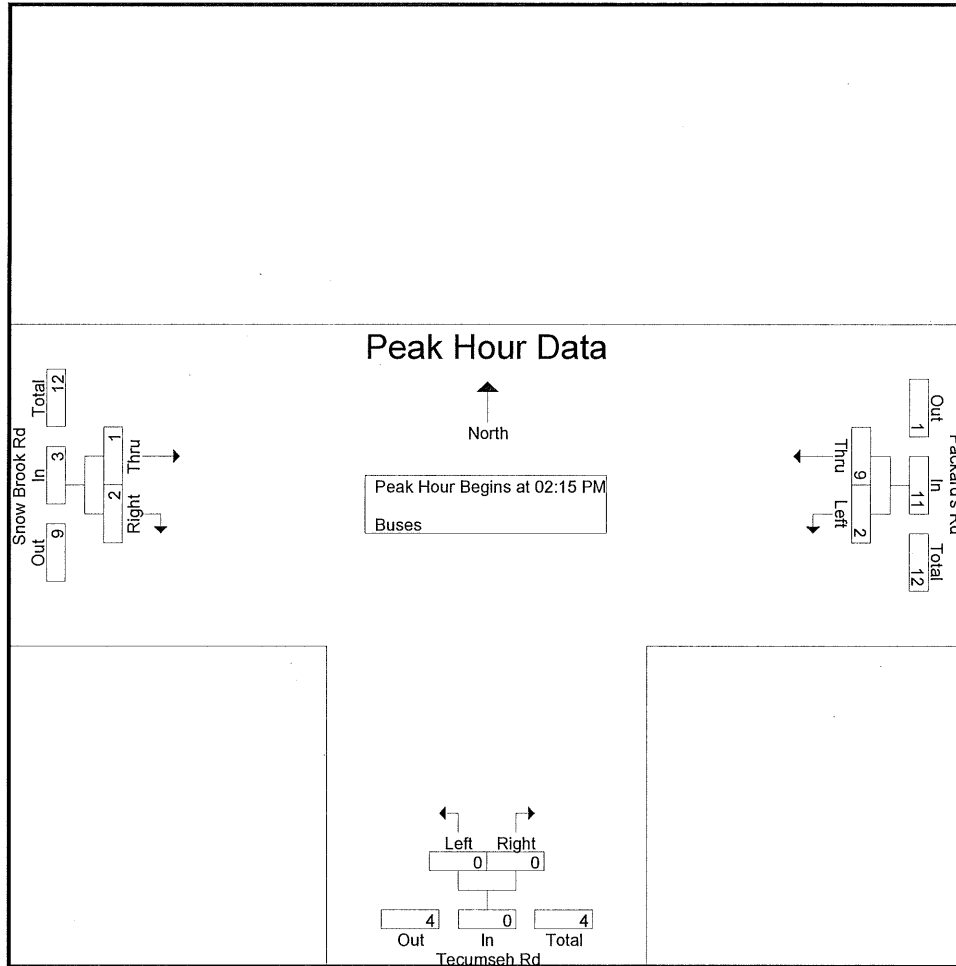
	Packard's Rd From East			Tecumseh Rd From South			Snow Brook Rd From West			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 02:15 PM										
02:15 PM	1	2	3	0	0	0	0	0	0	3
02:30 PM	1	1	2	0	0	0	0	1	1	3
02:45 PM	0	4	4	0	0	0	1	0	1	5
03:00 PM	0	2	2	0	0	0	0	1	1	3
Total Volume	2	9	11	0	0	0	1	2	3	14
% App. Total	18.2	81.8		0	0		33.3	66.7		
PHF	.500	.563	.688	.000	.000	.000	.250	.500	.750	.700

# Accurate Counts

978-664-2565

N/S Street : Tecumseh Rd  
E/W Street : Packard's Rd /Snow Brook Rd  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650004  
Site Code : 52650004  
Start Date : 2/15/2014  
Page No : 2



Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

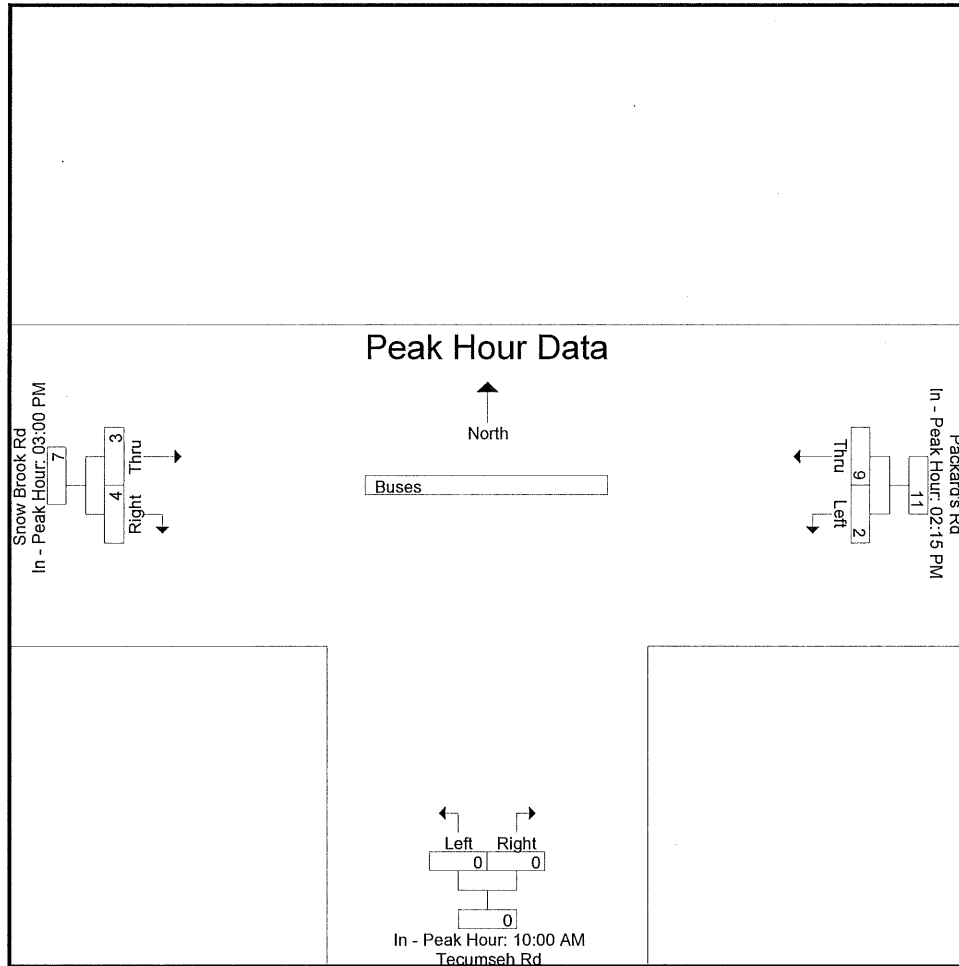
	02:15 PM			10:00 AM			03:00 PM		
+0 mins.	1	2	3	0	0	0	0	1	1
+15 mins.	1	1	2	0	0	0	1	0	1
+30 mins.	0	4	4	0	0	0	0	1	1
+45 mins.	0	2	2	0	0	0	2	2	4
Total Volume	2	9	11	0	0	0	3	4	7
% App. Total	18.2	81.8		0	0		42.9	57.1	
PHF	.500	.563	.688	.000	.000	.000	.375	.500	.438

# Accurate Counts

978-664-2565

N/S Street : Tecumseh Rd  
E/W Street : Packard's Rd /Snow Brook Rd  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650004  
Site Code : 52650004  
Start Date : 2/15/2014  
Page No : 3



978-664-2565

N/S Street : Tecumseh Rd  
E/W Street : Packard's Rd /Snow Brook Rd  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650004  
Site Code : 52650004  
Start Date : 2/15/2014  
Page No : 1

### Groups Printed- Bikes Peds

	Packard's Rd From East			Tecumseh Rd From South			Snow Brook Rd From West					
Start Time	Left	Thru	Peds	Left	Right	Peds	Thru	Right	Peds	Exclu. Total	Inclu. Total	Int. Total
10:00 AM	0	0	0	0	0	0	0	0	4	4	0	4
10:15 AM	0	0	0	0	0	1	0	0	0	1	0	1
10:30 AM	0	0	0	0	0	0	0	0	2	2	0	2
10:45 AM	0	0	2	0	0	0	0	0	0	2	0	2
Total	0	0	2	0	0	1	0	0	6	9	0	9
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	1	0	0	0	0	0	0	0	0	1	1
Total	0	1	0	0	0	0	0	0	0	0	1	1
12:00 PM	0	0	2	0	0	3	0	0	5	10	0	10
12:15 PM	0	0	2	0	0	0	0	0	0	2	0	2
12:30 PM	0	0	1	0	0	0	0	0	0	1	0	1
12:45 PM	0	0	0	0	0	1	0	0	2	3	0	3
Total	0	0	5	0	0	4	0	0	7	16	0	16
01:00 PM	0	0	1	0	0	0	0	0	2	3	0	3
01:15 PM	0	0	0	0	0	0	0	0	1	1	0	1
01:30 PM	0	0	1	0	0	0	0	0	3	4	0	4
01:45 PM	0	0	1	0	0	0	0	0	3	4	0	4
Total	0	0	3	0	0	0	0	0	9	12	0	12
02:00 PM	0	0	0	0	0	4	0	0	0	4	0	4
02:15 PM	0	0	0	0	0	0	0	0	4	4	0	4
02:30 PM	0	0	0	0	0	0	0	0	3	3	0	3
02:45 PM	0	0	0	0	0	0	0	0	1	1	0	1
Total	0	0	0	0	0	4	0	0	8	12	0	12
03:00 PM	0	0	0	0	0	0	0	0	1	1	0	1
03:15 PM	0	0	2	0	0	0	0	0	0	2	0	2
03:30 PM	0	0	1	0	0	0	0	0	0	1	0	1
03:45 PM	0	0	2	0	0	0	0	0	0	2	0	2
Total	0	0	5	0	0	0	0	0	1	6	0	6
Grand Total	0	1	15	0	0	9	0	0	31	55	1	56
Apprch %	0	100		0	0		0	0				
Total %	0	100		0	0		0	0		98.2	1.8	

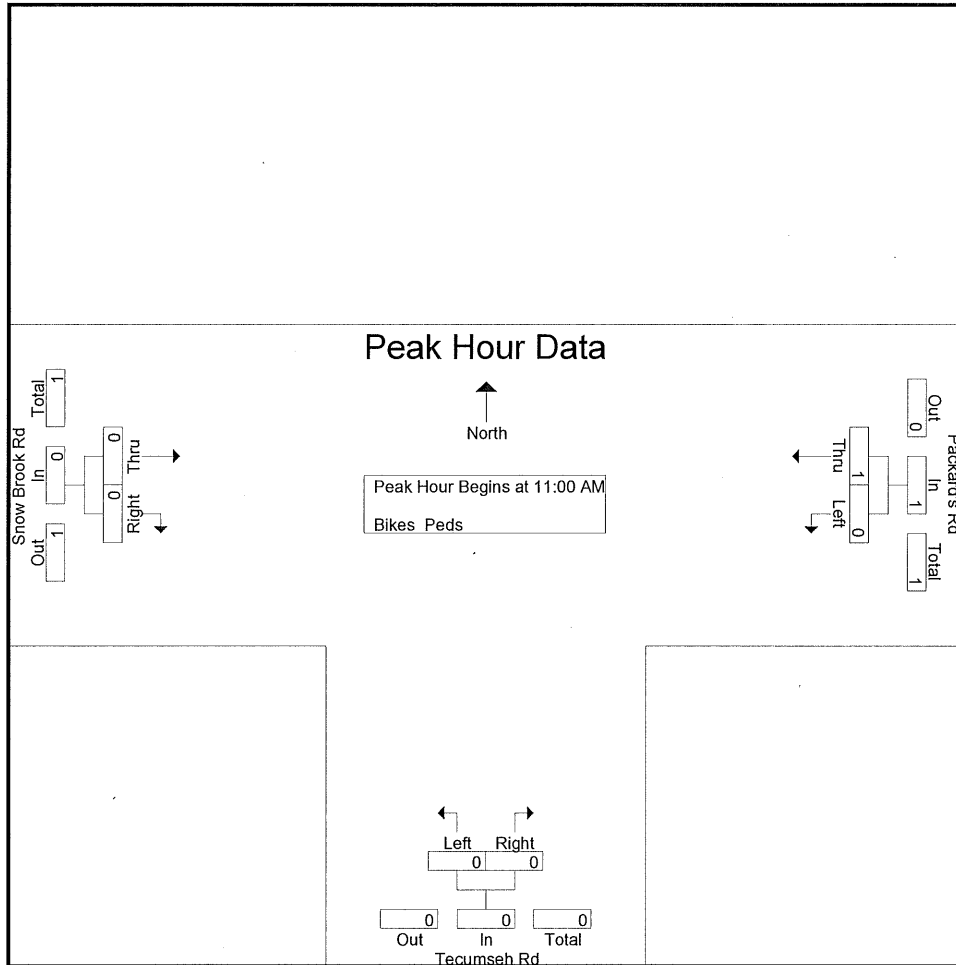
[illegible]

# Accurate Counts

978-664-2565

N/S Street : Tecumseh Rd  
 E/W Street : Packard's Rd /Snow Brook Rd  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650004  
 Site Code : 52650004  
 Start Date : 2/15/2014  
 Page No : 2



Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

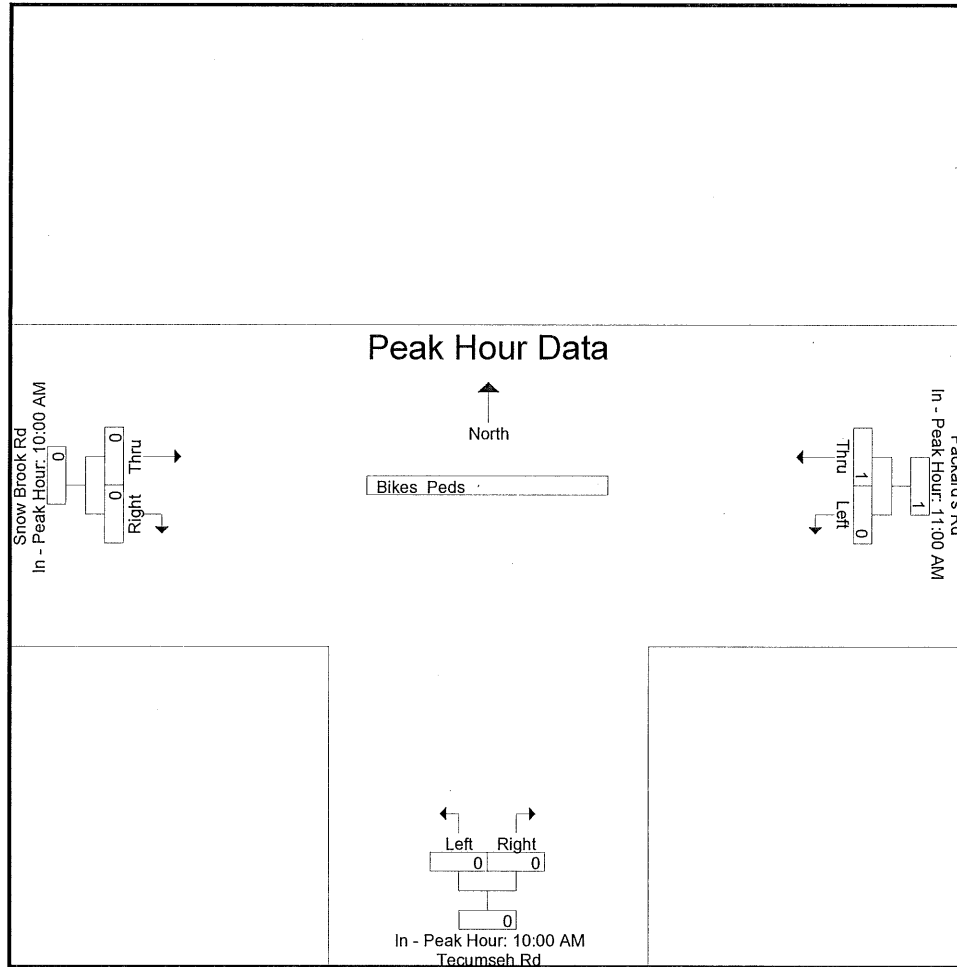
	11:00 AM			10:00 AM			10:00 AM		
+0 mins.	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0
+45 mins.	0	1	1	0	0	0	0	0	0
Total Volume	0	1	1	0	0	0	0	0	0
% App. Total	0	100		0	0		0	0	
PHF	.000	.250	.250	.000	.000	.000	.000	.000	.000

# Accurate Counts

978-664-2565

N/S Street : Tecumseh Rd  
E/W Street : Packard's Rd /Snow Brook Rd  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650004  
Site Code : 52650004  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Village Road  
E/W Street : Snow Brook Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650005  
Site Code : 52650005  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Cars - Trucks - Buses

	Village Rd From North		Snow Brook Rd From East		Snow Brook Rd From West		Int. Total
Start Time	Left	Right	Thru	Right	Left	Thru	
10:00 AM	5	1	2	11	5	7	31
10:15 AM	7	1	0	6	2	9	25
10:30 AM	5	8	4	8	4	8	37
10:45 AM	1	0.56	7	0.80	0	0.58	23
Total	18	0.7	13	16.1	11	12.1	116
11:00 AM	6	1	3	8	1	8	27
11:15 AM	2	0	2	6	5	5	20
11:30 AM	8	4	4	5	1	7	29
11:45 AM	2	2	2	8	5	5	24
Total	18	7	11	27	12	25	100
12:00 PM	3	2	5	8	3	6	27
12:15 PM	8	2	7	10	2	5	34
12:30 PM	5	3	4	5	2	7	26
12:45 PM	10	2	5	11	1	4	33
Total	26	9	21	34	8	22	120
01:00 PM	5	5	5	8	3	7	33
01:15 PM	9	3	9	8	4	11	44
01:30 PM	3	3	7	7	3	10	33
01:45 PM	11	0	3	7	2	8	31
Total	28	11	24	30	12	36	141
02:00 PM	5	5	4	6	7	9	36
02:15 PM	12	9	5	11	5	15	57
02:30 PM	15	4	7	8	3	6	43
02:45 PM	6	2	8	12	2	15	45
Total	38	20	24	37	17	45	181
03:00 PM	5	1	12	10	3	7	38
03:15 PM	5	2	10	13	2	11	43
03:30 PM	5	2	10	8	4	7	36
03:45 PM	11	0.56	10	0.88	1	0.75	51
Total	26	3.1	42	39	10	17.4	168
Grand Total	154	68	135	199	70	200	826
Apprch %	69.4	30.6	40.4	59.6	25.9	74.1	
Total %	18.6	8.2	16.3	24.1	8.5	24.2	
Cars	151	66	135	166	70	176	764
% Cars	98.1	97.1	100	83.4	100	88	92.5
Trucks	1	0	0	0	0	0	1
% Trucks	0.6	0	0	0	0	0	0.1
Buses	2	2	0	33	0	24	61
% Buses	1.3	2.9	0	16.6	0	12	7.4

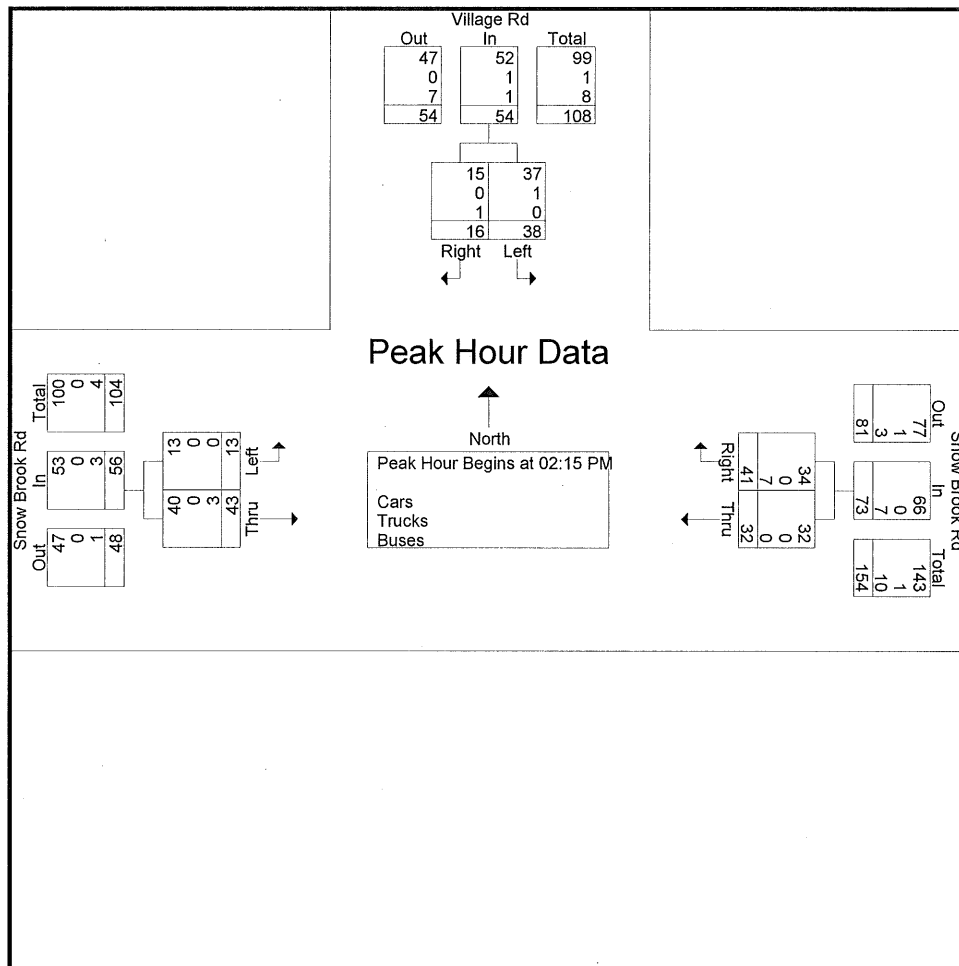
# Accurate Counts

978-664-2565

N/S Street : Village Road  
E/W Street : Snow Brook Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650005  
Site Code : 52650005  
Start Date : 2/15/2014  
Page No : 2

	Village Rd From North			Snow Brook Rd From East			Snow Brook Rd From West			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 02:15 PM										
02:15 PM	12	9	21	5	11	16	5	15	20	57
02:30 PM	15	4	19	7	8	15	3	6	9	43
02:45 PM	6	2	8	8	12	20	2	15	17	45
03:00 PM	5	1	6	12	10	22	3	7	10	38
Total Volume	38	16	54	32	41	73	13	43	56	183
% App. Total	70.4	29.6		43.8	56.2		23.2	76.8		
PHF	.633	.444	.643	.667	.854	.830	.650	.717	.700	.803
Cars	37	15	52	32	34	66	13	40	53	171
% Cars	97.4	93.8	96.3	100	82.9	90.4	100	93.0	94.6	93.4
Trucks	1	0	1	0	0	0	0	0	0	1
% Trucks	2.6	0	1.9	0	0	0	0	0	0	0.5
Buses	0	1	1	0	7	7	0	3	3	11
% Buses	0	6.3	1.9	0	17.1	9.6	0	7.0	5.4	6.0



# Accurate Counts

978-664-2565

N/S Street : Village Road  
E/W Street : Snow Brook Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

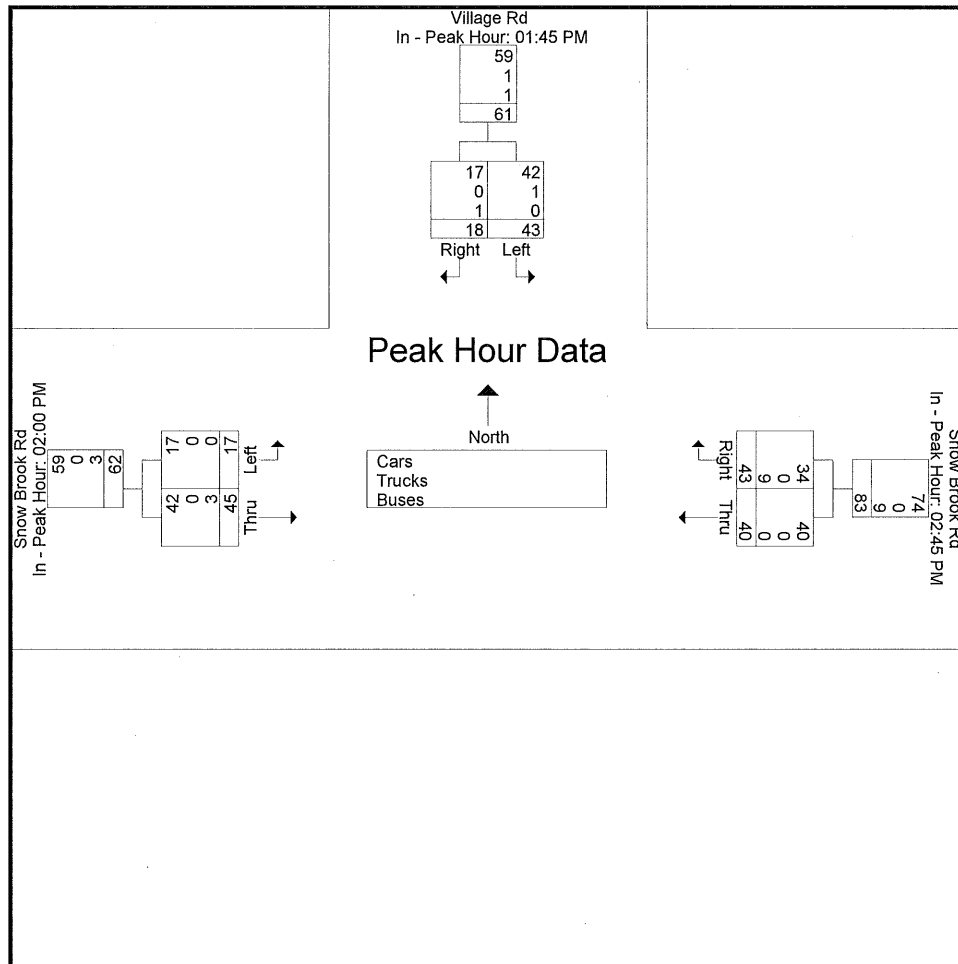
File Name : 52650005  
Site Code : 52650005  
Start Date : 2/15/2014  
Page No : 3

	Village Rd From North			Snow Brook Rd From East			Snow Brook Rd From West			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total

Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	01:45 PM			02:45 PM			02:00 PM			
+0 mins.	11	0	11	8	12	20	7	9	16	
+15 mins.	5	5	10	12	10	22	5	15	20	
+30 mins.	12	9	21	10	13	23	3	6	9	
+45 mins.	15	4	19	10	8	18	2	15	17	
Total Volume	43	18	61	40	43	83	17	45	62	
% App. Total	70.5	29.5		48.2	51.8		27.4	72.6		
PHF	.717	.500	.726	.833	.827	.902	.607	.750	.775	
Cars	42	17	59	40	34	74	17	42	59	
% Cars	97.7	94.4	96.7	100	79.1	89.2	100	93.3	95.2	
Trucks	1	0	1	0	0	0	0	0	0	
% Trucks	2.3	0	1.6	0	0	0	0	0	0	
Buses	0	1	1	0	9	9	0	3	3	
% Buses	0	5.6	1.6	0	20.9	10.8	0	6.7	4.8	



# Accurate Counts

978-664-2565

N/S Street : Village Road  
E/W Street : Snow Brook Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650005  
Site Code : 52650005  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Cars

	Village Rd From North		Snow Brook Rd From East		Snow Brook Rd From West		
Start Time	Left	Right	Thru	Right	Left	Thru	Int. Total
10:00 AM	5	1	2	8	5	6	27
10:15 AM	7	1	0	4	2	8	22
10:30 AM	5	8	4	7	4	5	33
10:45 AM	1	1	7	6	0	7	22
Total	18	11	13	25	11	26	104
11:00 AM	6	1	3	7	1	6	24
11:15 AM	2	0	2	6	5	4	19
11:30 AM	8	4	4	3	1	6	26
11:45 AM	2	2	2	8	5	4	23
Total	18	7	11	24	12	20	92
12:00 PM	3	2	5	7	3	6	26
12:15 PM	8	2	7	9	2	3	31
12:30 PM	5	3	4	5	2	7	26
12:45 PM	10	2	5	10	1	3	31
Total	26	9	21	31	8	19	114
01:00 PM	5	5	5	6	3	7	31
01:15 PM	9	3	9	6	4	10	41
01:30 PM	3	3	7	6	3	9	31
01:45 PM	11	0	3	5	2	7	28
Total	28	11	24	23	12	33	131
02:00 PM	5	5	4	5	7	8	34
02:15 PM	12	8	5	10	5	15	55
02:30 PM	14	4	7	7	3	5	40
02:45 PM	6	2	8	9	2	14	41
Total	37	19	24	31	17	42	170
03:00 PM	5	1	12	8	3	6	35
03:15 PM	5	2	10	11	2	10	40
03:30 PM	5	2	10	6	4	6	33
03:45 PM	9	4	10	7	1	14	45
Total	24	9	42	32	10	36	153
Grand Total	151	66	135	166	70	176	764
Apprch %	69.6	30.4	44.9	55.1	28.5	71.5	
Total %	19.8	8.6	17.7	21.7	9.2	23	

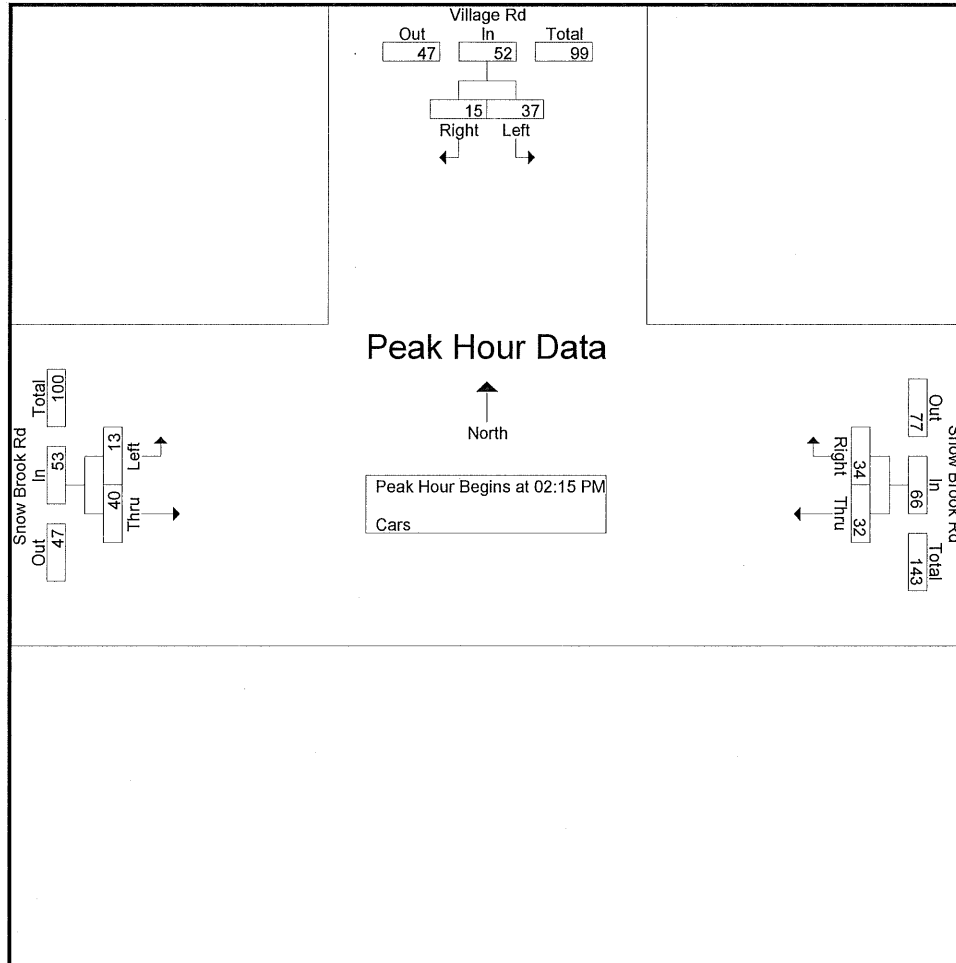
	Village Rd From North			Snow Brook Rd From East			Snow Brook Rd From West			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 02:15 PM										
02:15 PM	12	8	20	5	10	15	5	15	20	55
02:30 PM	14	4	18	7	7	14	3	5	8	40
02:45 PM	6	2	8	8	9	17	2	14	16	41
03:00 PM	5	1	6	12	8	20	3	6	9	35
Total Volume	37	15	52	32	34	66	13	40	53	171
% App. Total	71.2	28.8		48.5	51.5		24.5	75.5		
PHF	.661	.469	.650	.667	.850	.825	.650	.667	.663	.777

# Accurate Counts

978-664-2565

N/S Street : Village Road  
E/W Street : Snow Brook Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650005  
Site Code : 52650005  
Start Date : 2/15/2014  
Page No : 2



Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

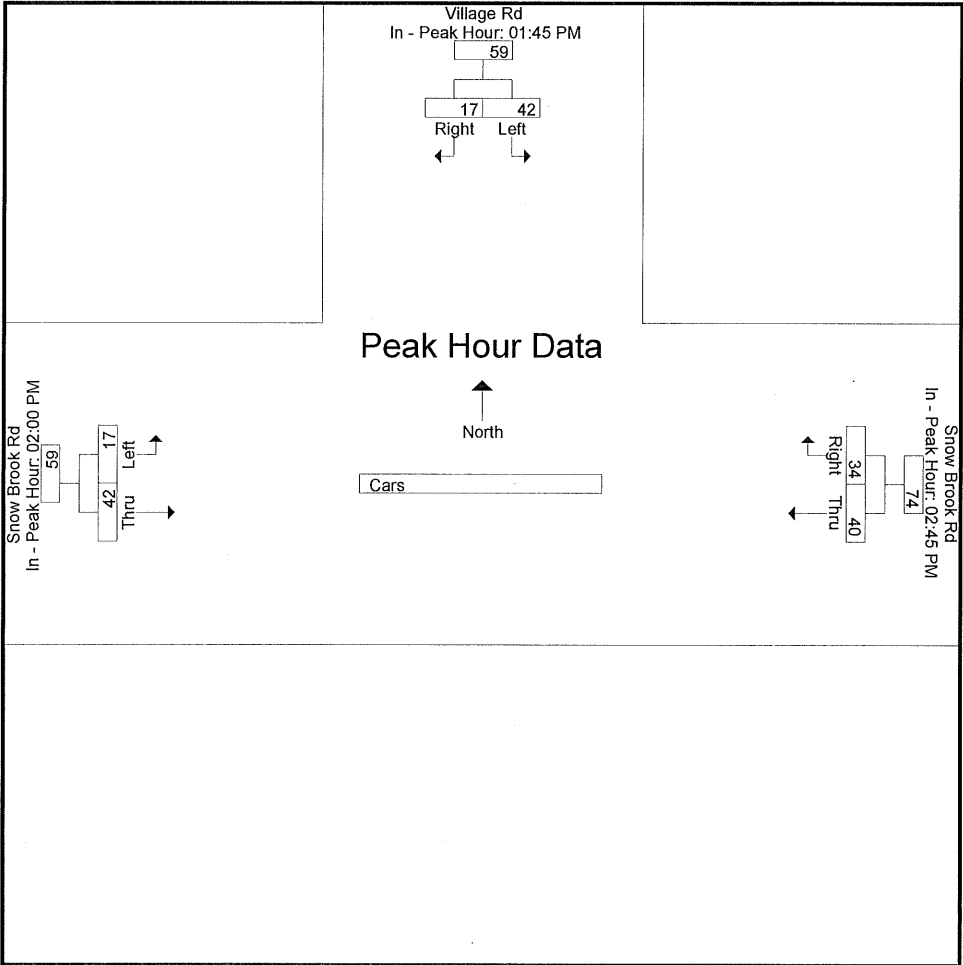
Peak Hour for Each Approach Begins at:

	01:45 PM			02:45 PM			02:00 PM		
+0 mins.	11	0	11	8	9	17	7	8	15
+15 mins.	5	5	10	12	8	20	5	15	20
+30 mins.	12	8	20	10	11	21	3	5	8
+45 mins.	14	4	18	10	6	16	2	14	16
Total Volume	42	17	59	40	34	74	17	42	59
% App. Total	71.2	28.8		54.1	45.9		28.8	71.2	
PHF	.750	.531	.738	.833	.773	.881	.607	.700	.738

Accurate Counts  
978-664-2565

N/S Street : Village Road  
E/W Street : Snow Brook Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650005  
Site Code : 52650005  
Start Date : 2/15/2014  
Page No : 3



978-664-2565

File Name : 52650005  
Site Code : 52650005  
Start Date : 2/15/2014  
Page No : 1

	Village Rd From North		Snow Brook Rd From East		Snow Brook Rd From West		
Start Time	Left	Right	Thru	Right	Left	Thru	Int. Total
10:00 AM	0	0	0	0	0	0	0
10:15 AM	0	0	0	0	0	0	0
10:30 AM	0	0	0	0	0	0	0
10:45 AM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
11:00 AM	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
01:00 PM	0	0	0	0	0	0	0
01:15 PM	0	0	0	0	0	0	0
01:30 PM	0	0	0	0	0	0	0
01:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
02:00 PM	0	0	0	0	0	0	0
02:15 PM	0	0	0	0	0	0	0
02:30 PM	1	0	0	0	0	0	1
02:45 PM	0	0	0	0	0	0	0
Total	1	0	0	0	0	0	1
03:00 PM	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	0	0
03:30 PM	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
Grand Total	1	0	0	0	0	0	1
Apprch %	100	0	0	0	0	0	
Total %	100	0	0	0	0	0	

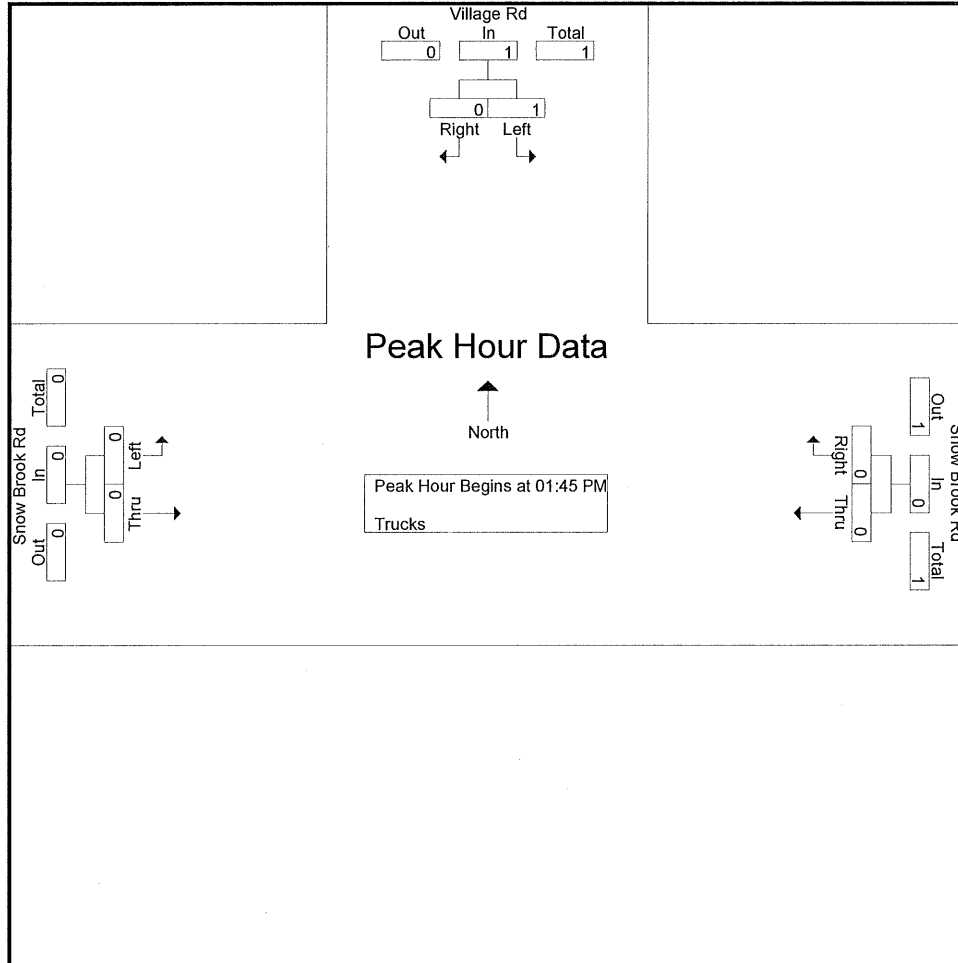
[illegible]

# Accurate Counts

978-664-2565

N/S Street : Village Road  
E/W Street : Snow Brook Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650005  
Site Code : 52650005  
Start Date : 2/15/2014  
Page No : 2



Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

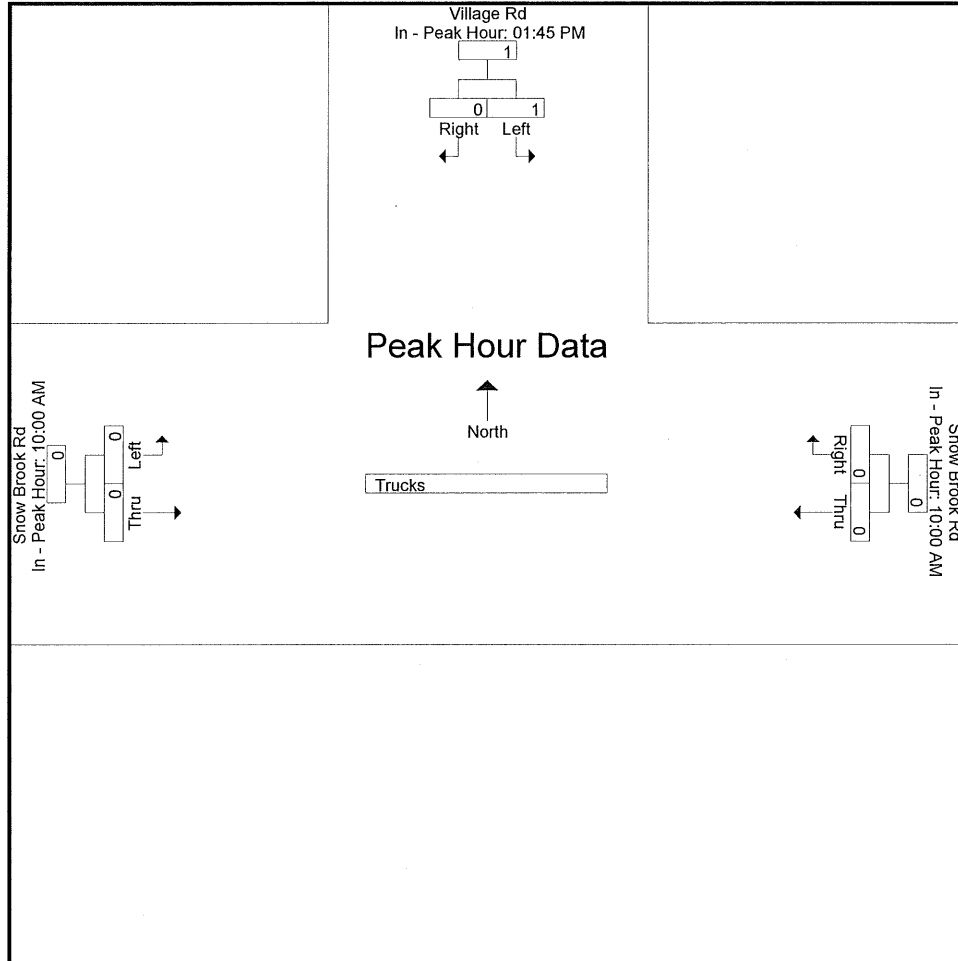
	01:45 PM			10:00 AM			10:00 AM		
+0 mins.	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0
+45 mins.	1	0	1	0	0	0	0	0	0
Total Volume	1	0	1	0	0	0	0	0	0
% App. Total	100	0		0	0		0	0	
PHF	.250	.000	.250	.000	.000	.000	.000	.000	.000

# Accurate Counts

978-664-2565

N/S Street : Village Road  
E/W Street : Snow Brook Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650005  
Site Code : 52650005  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Village Road  
E/W Street : Snow Brook Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650005  
Site Code : 52650005  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Buses

Start Time	Village Rd From North		Snow Brook Rd From East		Snow Brook Rd From West		Int. Total
	Left	Right	Thru	Right	Left	Thru	
10:00 AM	0	0	0	3	0	1	4
10:15 AM	0	0	0	2	0	1	3
10:30 AM	0	0	0	1	0	3	4
10:45 AM	0	0	0	1	0	0	1
Total	0	0	0	7	0	5	12
11:00 AM	0	0	0	1	0	2	3
11:15 AM	0	0	0	0	0	1	1
11:30 AM	0	0	0	2	0	1	3
11:45 AM	0	0	0	0	0	1	1
Total	0	0	0	3	0	5	8
12:00 PM	0	0	0	1	0	0	1
12:15 PM	0	0	0	1	0	2	3
12:30 PM	0	0	0	0	0	0	0
12:45 PM	0	0	0	1	0	1	2
Total	0	0	0	3	0	3	6
01:00 PM	0	0	0	2	0	0	2
01:15 PM	0	0	0	2	0	1	3
01:30 PM	0	0	0	1	0	1	2
01:45 PM	0	0	0	2	0	1	3
Total	0	0	0	7	0	3	10
02:00 PM	0	0	0	1	0	1	2
02:15 PM	0	1	0	1	0	0	2
02:30 PM	0	0	0	1	0	1	2
02:45 PM	0	0	0	3	0	1	4
Total	0	1	0	6	0	3	10
03:00 PM	0	0	0	2	0	1	3
03:15 PM	0	0	0	2	0	1	3
03:30 PM	0	0	0	2	0	1	3
03:45 PM	2	1	0	1	0	2	6
Total	2	1	0	7	0	5	15
Grand Total	2	2	0	33	0	24	61
Apprch %	50	50	0	100	0	100	
Total %	3.3	3.3	0	54.1	0	39.3	

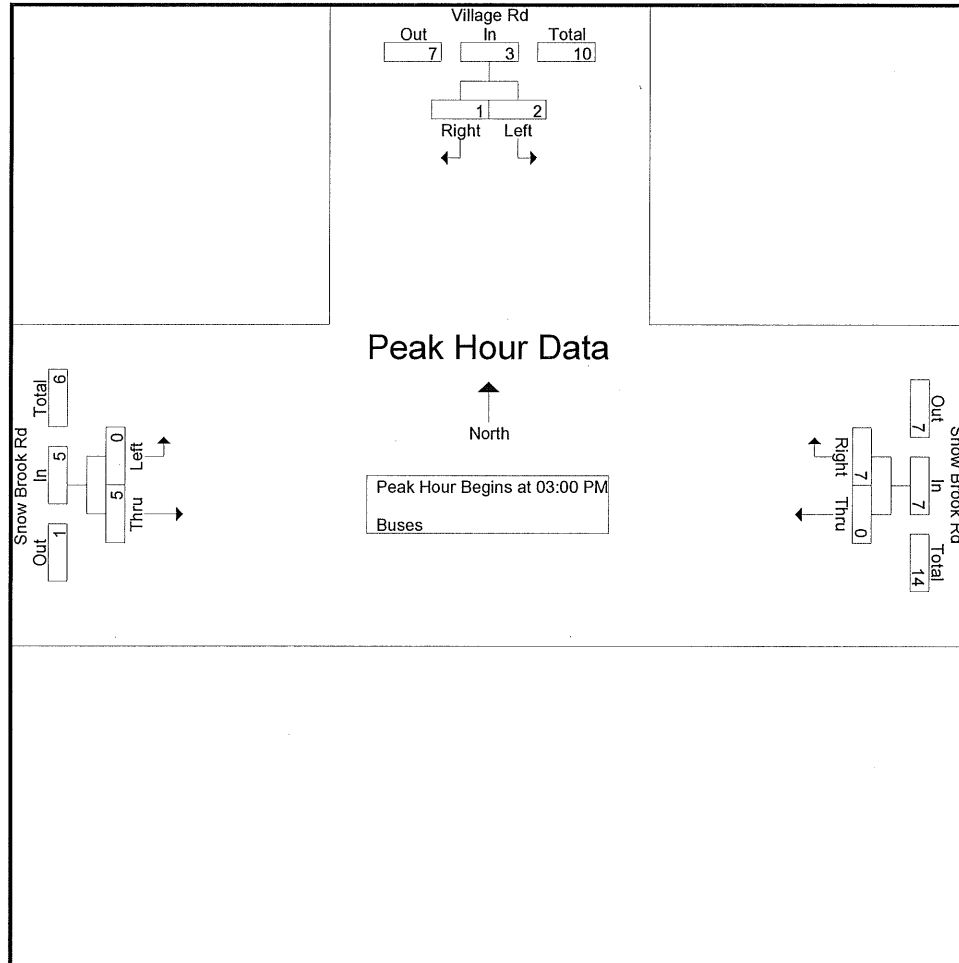
	Village Rd From North			Snow Brook Rd From East			Snow Brook Rd From West			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 03:00 PM										
03:00 PM	0	0	0	0	2	2	0	1	1	3
03:15 PM	0	0	0	0	2	2	0	1	1	3
03:30 PM	0	0	0	0	2	2	0	1	1	3
03:45 PM	2	1	3	0	1	1	0	2	2	6
Total Volume	2	1	3	0	7	7	0	5	5	15
% App. Total	66.7	33.3		0	100		0	100		
PHF	.250	.250	.250	.000	.875	.875	.000	.625	.625	.625

# Accurate Counts

978-664-2565

N/S Street : Village Road  
 E/W Street : Snow Brook Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650005  
 Site Code : 52650005  
 Start Date : 2/15/2014  
 Page No : 2



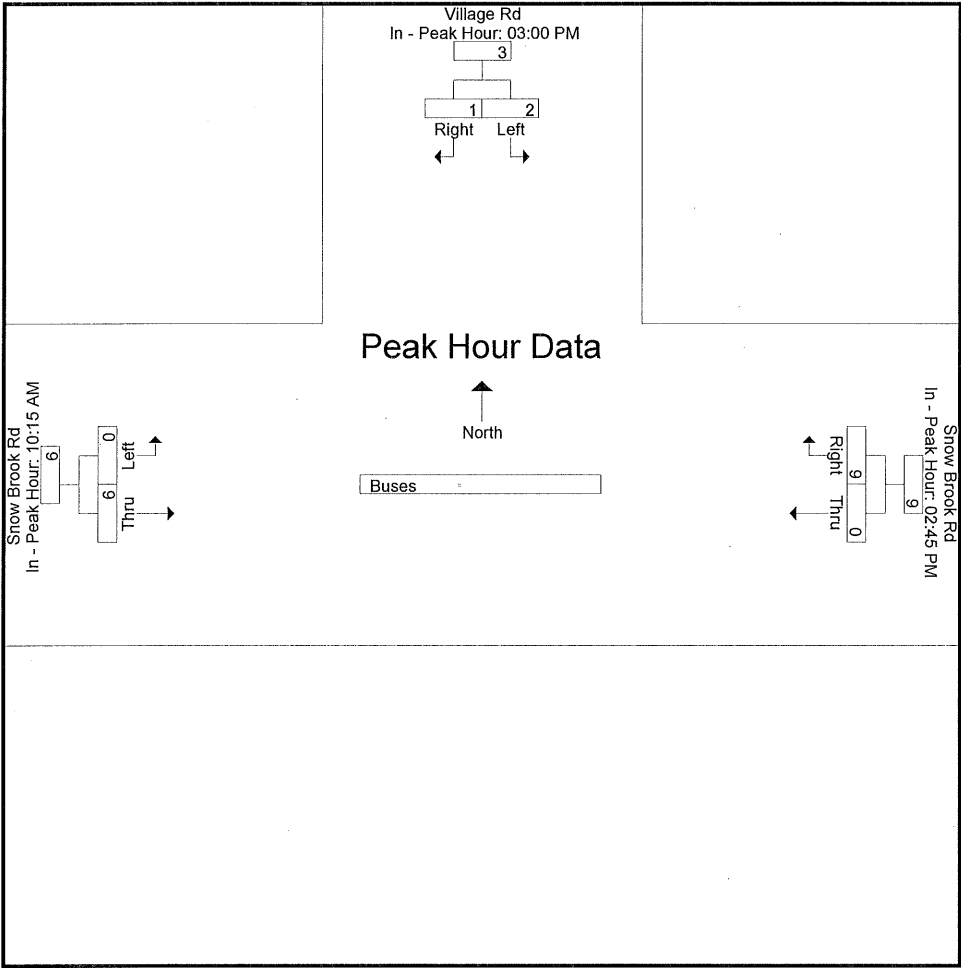
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

	03:00 PM			02:45 PM			10:15 AM		
+0 mins.	0	0	0	0	3	3	0	1	1
+15 mins.	0	0	0	0	2	2	0	3	3
+30 mins.	0	0	0	0	2	2	0	0	0
+45 mins.	2	1	3	0	2	2	0	2	2
Total Volume	2	1	3	0	9	9	0	6	6
% App. Total	66.7	33.3		0	100		0	100	
PHF	.250	.250	.250	.000	.750	.750	.000	.500	.500

Accurate Counts  
978-664-2565

N/S Street : Village Road  
E/W Street : Snow Brook Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650005  
Site Code : 52650005  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Village Road  
 E/W Street : Snow Brook Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650005  
 Site Code : 52650005  
 Start Date : 2/15/2014  
 Page No : 1

## Groups Printed- Bikes Peds

Start Time	Village Rd From North			Snow Brook Rd From East			Snow Brook Rd From West			Exclu. Total	Inclu. Total	Int. Total
	Left	Right	Peds	Thru	Right	Peds	Left	Thru	Peds			
10:00 AM	0	0	0	0	0	0	0	0	1	1	0	1
10:15 AM	0	0	1	0	0	0	0	0	0	1	0	1
10:30 AM	0	0	1	0	0	0	0	0	0	1	0	1
10:45 AM	0	0	1	0	0	0	0	0	3	4	0	4
Total	0	0	3	0	0	0	0	0	4	7	0	7
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	1	1	0	1
11:45 AM	0	0	0	1	0	0	0	0	0	0	1	1
Total	0	0	0	1	0	0	0	0	1	1	1	2
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	5	0	0	0	0	0	0	5	0	5
12:30 PM	0	0	0	0	0	0	0	0	3	3	0	3
12:45 PM	0	0	1	0	0	1	0	0	0	2	0	2
Total	0	0	6	0	0	1	0	0	3	10	0	10
01:00 PM	0	0	7	0	0	0	0	0	2	9	0	9
01:15 PM	0	0	2	0	0	0	0	0	4	6	0	6
01:30 PM	0	0	0	0	0	0	0	0	7	7	0	7
01:45 PM	0	0	1	0	0	0	0	0	2	3	0	3
Total	0	0	10	0	0	0	0	0	15	25	0	25
02:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
02:15 PM	0	0	6	0	0	0	0	0	10	16	0	16
02:30 PM	0	0	2	0	0	0	0	0	0	2	0	2
02:45 PM	0	0	1	0	0	0	0	0	6	7	0	7
Total	0	0	9	0	0	0	0	0	16	25	0	25
03:00 PM	0	0	0	0	0	1	0	0	3	4	0	4
03:15 PM	0	0	3	0	0	0	0	0	0	3	0	3
03:30 PM	0	0	4	0	0	0	0	0	0	4	0	4
03:45 PM	0	0	1	0	0	0	0	0	2	3	0	3
Total	0	0	8	0	0	1	0	0	5	14	0	14
Grand Total	0	0	36	1	0	2	0	0	44	82	1	83
Apprch %	0	0		100	0		0	0				
Total %	0	0		100	0		0	0		98.8	1.2	

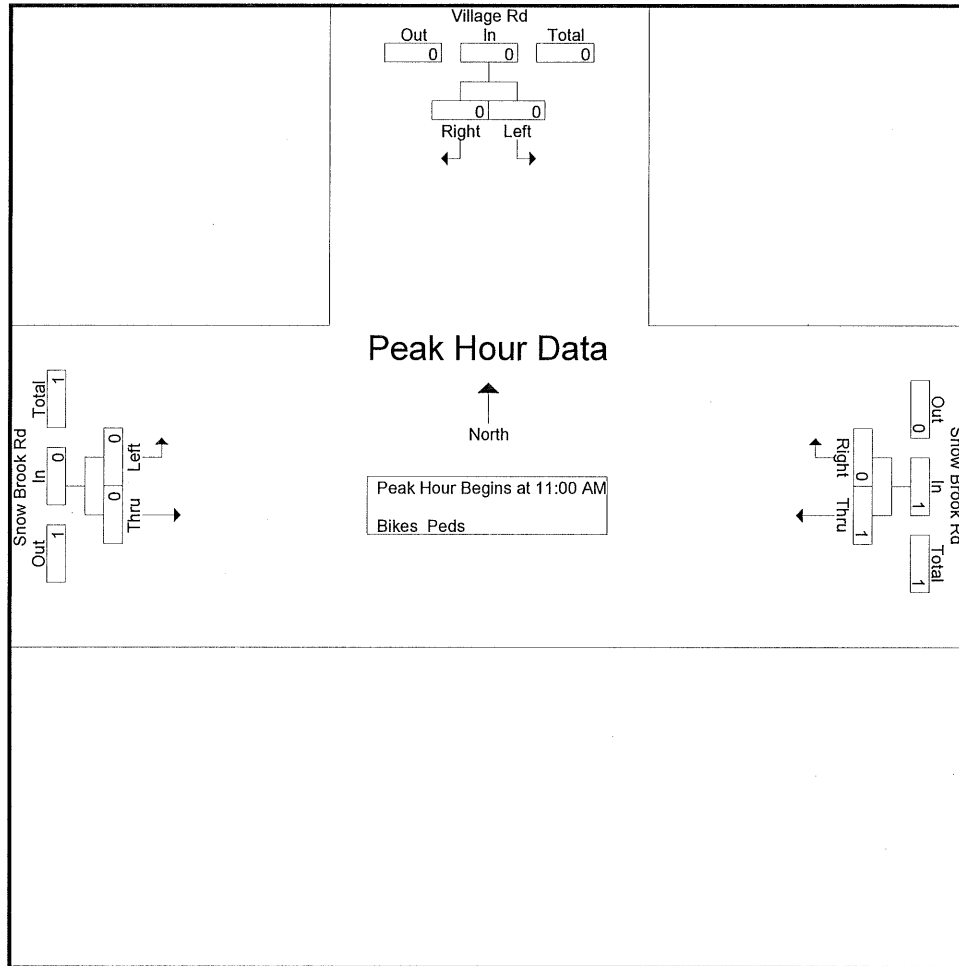
	Village Rd From North			Snow Brook Rd From East			Snow Brook Rd From West			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 11:00 AM										
11:00 AM	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	1	0	1	0	0	0	1
Total Volume	0	0	0	1	0	1	0	0	0	1
% App. Total	0	0		100	0		0	0		
PHF	.000	.000	.000	.250	.000	.250	.000	.000	.000	.250

# Accurate Counts

978-664-2565

N/S Street : Village Road  
E/W Street : Snow Brook Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650005  
Site Code : 52650005  
Start Date : 2/15/2014  
Page No : 2



Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1

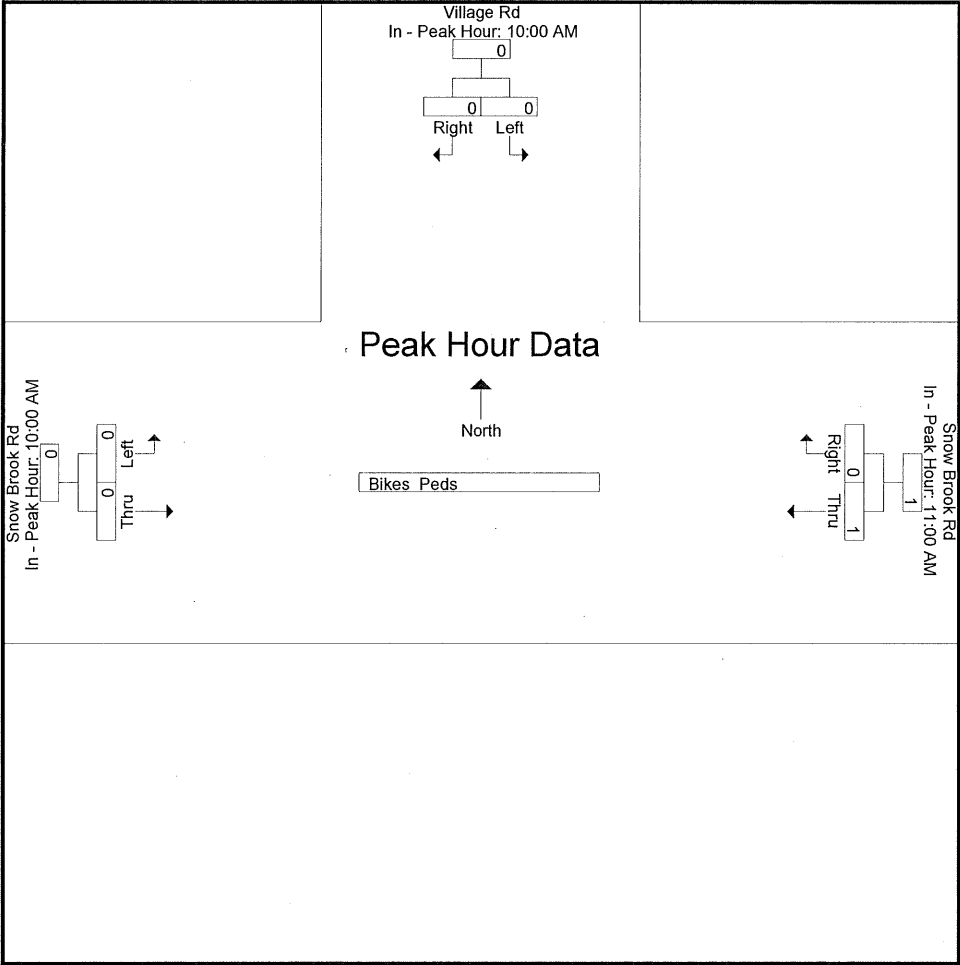
Peak Hour for Each Approach Begins at:

	10:00 AM			11:00 AM			10:00 AM		
+0 mins.	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0
+45 mins.	0	0	0	1	0	1	0	0	0
Total Volume	0	0	0	1	0	1	0	0	0
% App. Total	0	0		100	0		0	0	
PHF	.000	.000	.000	.250	.000	.250	.000	.000	.000

Accurate Counts  
978-664-2565

N/S Street : Village Road  
E/W Street : Snow Brook Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650005  
Site Code : 52650005  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Cars - Trucks - Buses

Start Time	Lost Pass Rd From North			Valley Rd From East			Village Rd From South			Valley Rd From West			Int. Total
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
10:00 AM	1	1	0	22	6	0	5	1	8	1	4	2	51
10:15 AM	1	1	1	10	8	2	7	2	13	1	6	4	56
10:30 AM	0	0	0	26	7	0	11	0	15	0	7	2	68
10:45 AM	4	2	0	12	7	3	2	0.75	13	1	8	1	54
Total	6	4	1	70	28	5	25	4	49	3	25	9	229
11:00 AM	0	3	0	23	10	0	8	1	15	1	9	4	74
11:15 AM	1	0	0	13	13	0	9	0	13	0	4	2	55
11:30 AM	1	1	0	17	9	5	5	2	15	0	7	3	65
11:45 AM	2	1	0	11	8	1	3	1	12	1	9	0	49
Total	4	5	0	64	40	6	25	4	55	2	29	9	243
12:00 PM	1	0	0	25	5	1	9	1	7	2	4	2	57
12:15 PM	4	1	1	22	4	2	2	0	14	0	7	3	60
12:30 PM	0	1	0	17	14	1	1	3	12	0	5	4	58
12:45 PM	1	1	0	28	19	2	8	1	9	2	7	7	85
Total	6	3	1	92	42	6	20	5	42	4	23	16	260
01:00 PM	5	0	1	16	5	4	8	1	20	1	8	1	70
01:15 PM	2	0	0	13	10	1	9	2	11	0	6	1	55
01:30 PM	1	0	2	11	8	4	5	3	13	2	9	6	64
01:45 PM	1	1	1	20	7	0	7	2	13	0	7	3	62
Total	9	1	4	60	30	9	29	8	57	3	30	11	251
02:00 PM	3	0	1	15	5	2	2	1	17	0	2	0	48
02:15 PM	3	4	0	19	6	3	1	1	19	0	5	4	65
02:30 PM	5	3	1	11	7	2	4	2	19	1	15	4	74
02:45 PM	2	0	2	6	13	1	9	3	8	2	12	3	61
Total	13	7	4	51	31	8	16	7	63	3	34	11	248
03:00 PM	7	2	1	10	22	4	7	1	17	2	11	1	85
03:15 PM	3	0	0	20	13	2	5	1	23	1	9	1	78
03:30 PM	3	1	1	15	5	4	5	1	19	1	9	6	70
03:45 PM	1	3	2	26	16	9	6	0.88	16	0	15	8	103
Total	14	6	4	71	56	19	23	4	75	4	44	16	336
Grand Total	52	26	14	408	227	53	138	32	341	19	185	72	1567
Approach %	56.5	28.3	15.2	59.3	33	7.7	27	6.3	66.7	6.9	67	26.1	
Total %	3.3	1.7	0.9	26	14.5	3.4	8.8	2	21.8	1.2	11.8	4.6	
Cars	52	26	14	404	222	53	111	32	335	19	179	70	1517
% Cars	100	100	100	99	97.8	100	80.4	100	98.2	100	96.8	97.2	96.8
Trucks	0	0	0	2	5	0	1	0	2	0	3	2	15
% Trucks	0	0	0	0.5	2.2	0	0.7	0	0.6	0	1.6	2.8	1

# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 2

## Groups Printed- Cars - Trucks - Buses

	Lost Pass Rd From North					Valley Rd From East					Village Rd From South					Valley Rd From West				
	Left	Thru	Right	App. Total		Left	Thru	Right	App. Total		Left	Thru	Right	App. Total		Left	Thru	Right	App. Total	
Buses	0	0	0	0		2	0	0	0		26	0	4	0		0	3	0	0	
% Buses	0	0	0	0		0.5	0	0	0		18.8	0	1.2	0		0	1.6	0	0	

Int. Total  
35  
2.2

	Lost Pass Rd From North					Valley Rd From East					Village Rd From South					Valley Rd From West				
	Left	Thru	Right	App. Total		Left	Thru	Right	App. Total		Left	Thru	Right	App. Total		Left	Thru	Right	App. Total	
Start Time	7	2	1	10		10	22	4	36		7	1	17	25		2	11	1	14	
03:00 PM	3	0	0	3		20	13	2	35		5	1	23	29		1	9	1	11	
03:15 PM	3	1	1	5		15	5	4	24		5	1	19	25		1	9	6	16	
03:30 PM	1	3	2	6		26	16	9	51		6	1	16	23		0	15	8	23	
03:45 PM	14	6	4	24		71	56	19	146		23	4	75	102		4	44	16	64	
Total Volume	58.3	25	16.7			48.6	38.4	13			22.5	3.9	73.5			6.2	68.8	25		
% App. Total	.500	.500	.500	.600		.683	.636	.528	.716		.821	1.00	.815	.879		.500	.733	.500	.696	
PHF	14	6	4	24		70	56	19	145		18	4	74	96		4	43	16	63	
Cars	100	100	100	100		98.6	100	100	99.3		78.3	100	98.7	94.1		100	97.7	100	98.4	
% Cars	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	
Trucks	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	
% Trucks	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	
Buses	0	0	0	0		1	0	0	1		5	0	1	6		0	1	0	1	
% Buses	0	0	0	0		1.4	0	0	0.7		21.7	0	1.3	5.9		0	2.3	0	1.6	

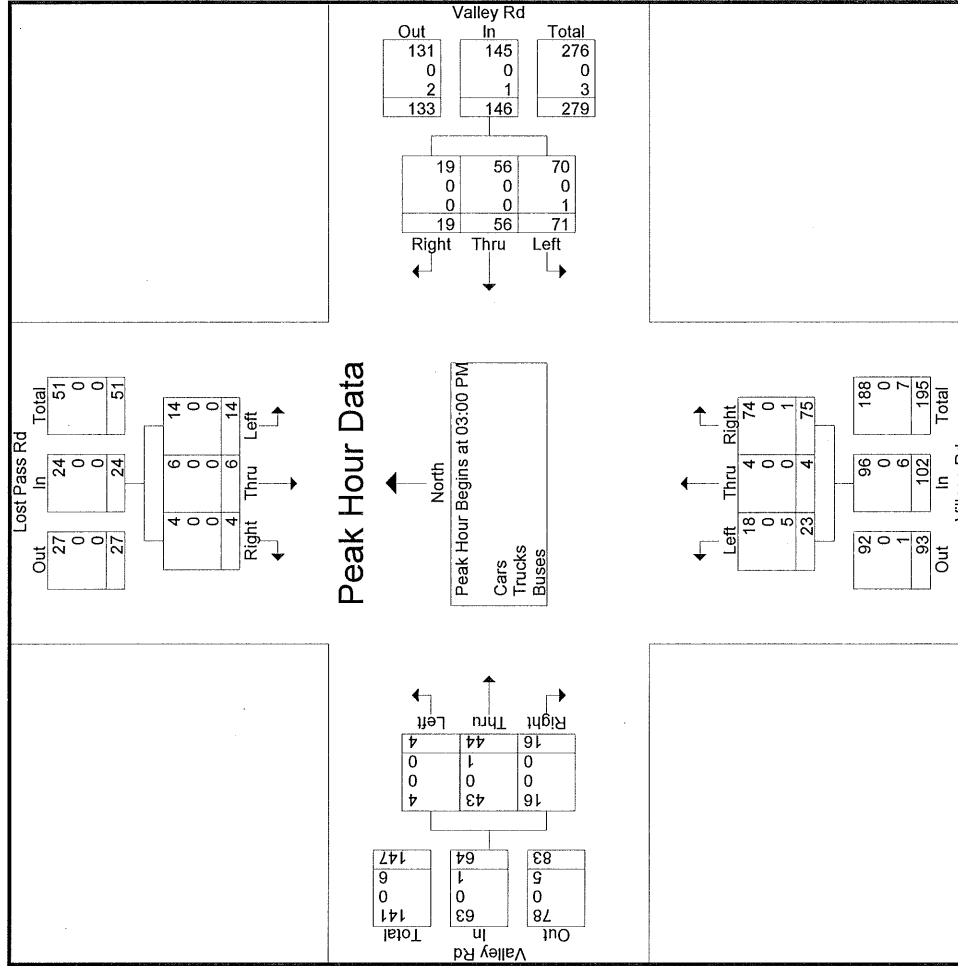
Int. Total  
85  
78  
70  
103  
336  
816  
328  
97.6  
0  
0  
8  
2.4

Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 03:00 PM

# Accurate Counts 978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
 E/W Street : Valley Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

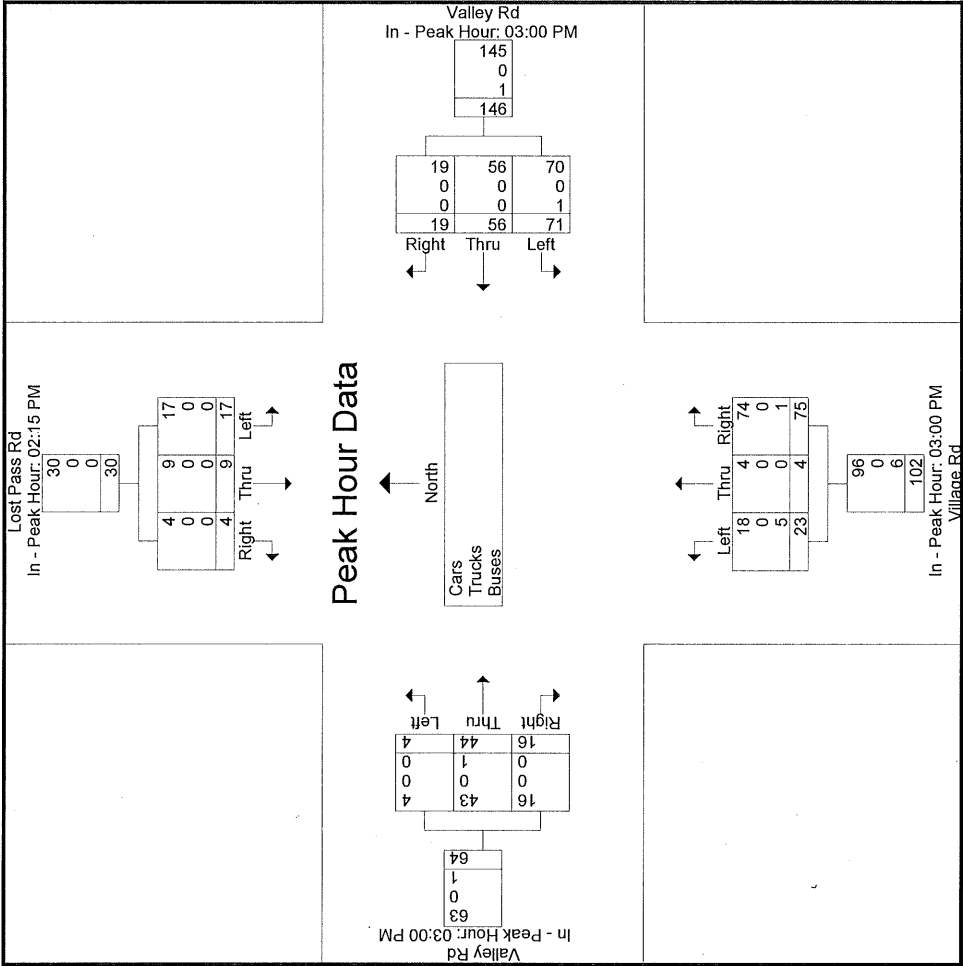
File Name : 52650006  
 Site Code : 52650006  
 Start Date : 2/15/2014  
 Page No : 4

Start Time	Lost Pass Rd From North				Valley Rd From East				Village Rd From South				Valley Rd From West			
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1																
Peak Hour for Each Approach Begins at:																
02:15 PM																
+0 mins.	3	4	0	7	10	22	4	36	7	1	17	25	2	11	1	14
+15 mins.	5	3	1	9	20	13	2	35	5	1	23	29	1	9	1	11
+30 mins.	2	0	2	4	15	5	4	24	5	1	19	25	1	9	6	16
+45 mins.	7	2	1	10	26	16	9	51	6	1	16	23	0	15	8	23
Total Volume	17	9	4	30	71	56	19	146	23	4	75	102	4	44	16	64
% App. Total	56.7	30	13.3	750	48.6	38.4	13	716	22.5	3.9	73.5	879	6.2	68.8	25	696
PHF	.607	.563	.500		.683	.636	.528		.821	1.000	.815		.500	.733	.500	
Cars	17	9	4	30	70	56	19	145	18	4	74	96	4	43	16	63
% Cars	100	100	100	100	98.6	100	100	99.3	78.3	100	98.7	94.1	100	97.7	100	98.4
Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buses	0	0	0	0	1	0	0	1	5	0	1	6	0	1	0	1
% Buses	0	0	0	0	1.4	0	0	0.7	21.7	0	1.3	5.9	0	2.3	0	1.6

Accurate Counts  
978-664-2565

File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 5

N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy



# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Cars

Start Time	Lost Pass Rd From North			Valley Rd From East			Village Rd From South			Valley Rd From West			Int. Total
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
10:00 AM	1	1	0	22	6	0	4	1	8	1	4	2	50
10:15 AM	1	1	1	10	8	2	4	2	13	1	6	4	53
10:30 AM	0	0	0	26	7	0	10	0	15	0	7	2	67
10:45 AM	4	2	0	12	6	3	1	1	12	1	8	1	51
Total	6	4	1	70	27	5	19	4	48	3	25	9	221
11:00 AM	0	3	0	22	10	0	6	1	15	1	7	4	69
11:15 AM	1	0	0	13	13	0	9	0	12	0	4	2	54
11:30 AM	1	1	0	17	8	5	3	2	15	0	7	3	62
11:45 AM	2	1	0	11	8	1	3	1	12	1	9	0	49
Total	4	5	0	63	39	6	21	4	54	2	27	9	234
12:00 PM	1	0	0	24	4	1	8	1	7	2	4	2	54
12:15 PM	4	1	1	22	4	2	1	0	13	0	7	3	58
12:30 PM	0	1	0	17	14	1	1	3	12	0	5	4	58
12:45 PM	1	1	0	28	19	2	7	1	9	2	7	6	83
Total	6	3	1	91	41	6	17	5	41	4	23	15	253
01:00 PM	5	0	1	15	5	4	7	1	20	1	8	1	68
01:15 PM	2	0	0	13	10	1	6	2	11	0	6	1	52
01:30 PM	1	0	2	11	8	4	5	3	13	2	9	6	64
01:45 PM	1	1	1	20	7	0	4	2	13	0	7	3	59
Total	9	1	4	59	30	9	22	8	57	3	30	11	243
02:00 PM	3	0	1	15	3	2	2	1	16	0	2	0	45
02:15 PM	3	4	0	19	6	3	1	1	19	0	4	4	64
02:30 PM	5	3	1	11	7	2	3	2	19	1	14	3	71
02:45 PM	2	0	2	6	13	1	8	3	7	2	11	3	58
Total	13	7	4	51	29	8	14	7	61	3	31	10	238
03:00 PM	7	2	1	10	22	4	5	1	17	2	11	1	83
03:15 PM	3	0	0	20	13	2	4	1	23	1	8	1	76
03:30 PM	3	1	1	15	5	4	4	1	18	1	9	6	68
03:45 PM	1	3	2	25	16	9	5	1	16	0	15	8	101
Total	14	6	4	70	56	19	18	4	74	4	43	16	328
Grand Total	52	26	14	404	222	53	111	32	335	19	179	70	1517
Approch %	56.5	28.3	15.2	59.5	32.7	7.8	23.2	6.7	70.1	7.1	66.8	26.1	
Total %	3.4	1.7	0.9	26.6	14.6	3.5	7.3	2.1	22.1	1.3	11.8	4.6	

# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
 E/W Street : Valley Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

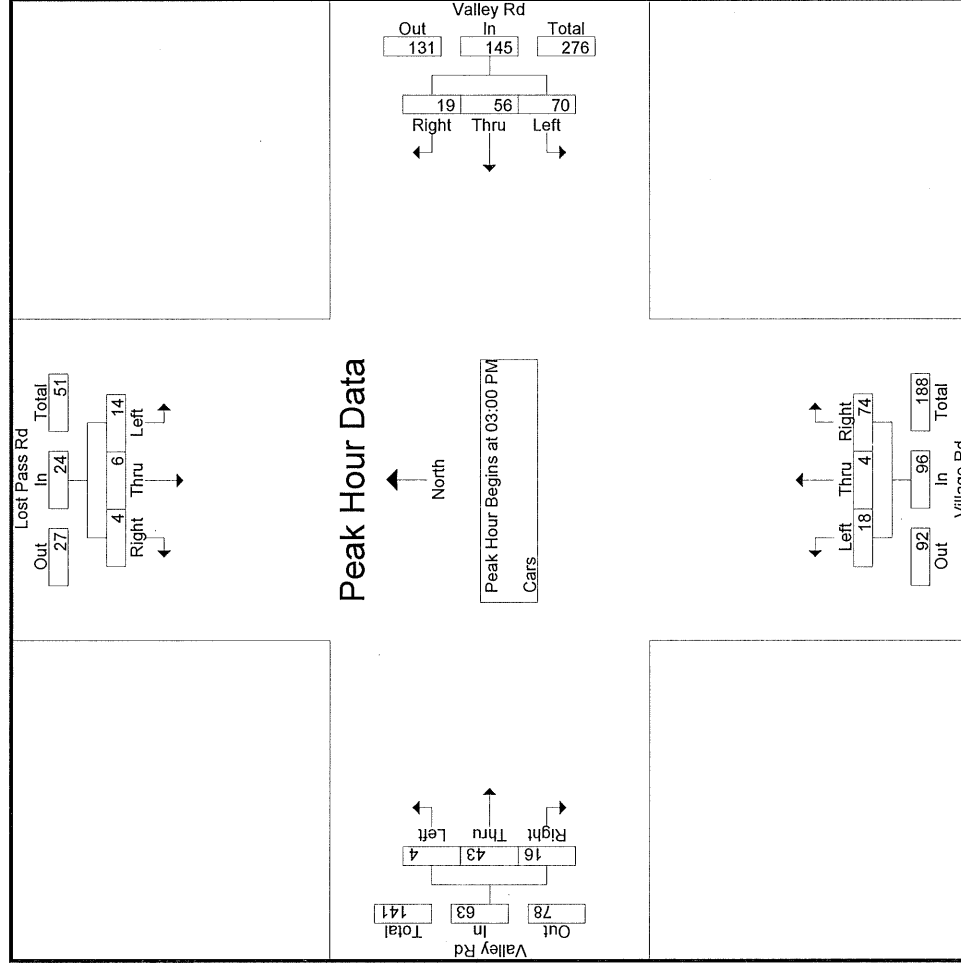
File Name : 52650006  
 Site Code : 52650006  
 Start Date : 2/15/2014  
 Page No : 2

Start Time	Lost Pass Rd From North			Valley Rd From East			Village Rd From South			Valley Rd From West			Int. Total		
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total			
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1															
Peak Hour for Entire Intersection Begins at 03:00 PM															
03:00 PM	7	2	1	10	22	4	36	5	1	17	2	11	1	14	83
03:15 PM	3	0	0	3	13	2	35	4	1	23	1	8	1	10	76
03:30 PM	3	1	1	5	5	4	24	4	1	18	23	1	9	6	68
03:45 PM	1	3	2	6	16	9	50	5	1	16	22	0	15	8	101
Total Volume	14	6	4	24	70	56	145	18	4	74	96	4	43	16	328
% App. Total	58.3	25	16.7	48.3	38.6	13.1	72.5	18.8	4.2	77.1	6.3	68.3	25.4		
PHF	.500	.500	.500	.600	.700	.636	.528	.900	1.00	.804	.857	.500	.717	.500	.685
															812

# Accurate Counts 978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 3



File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 4

File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 4

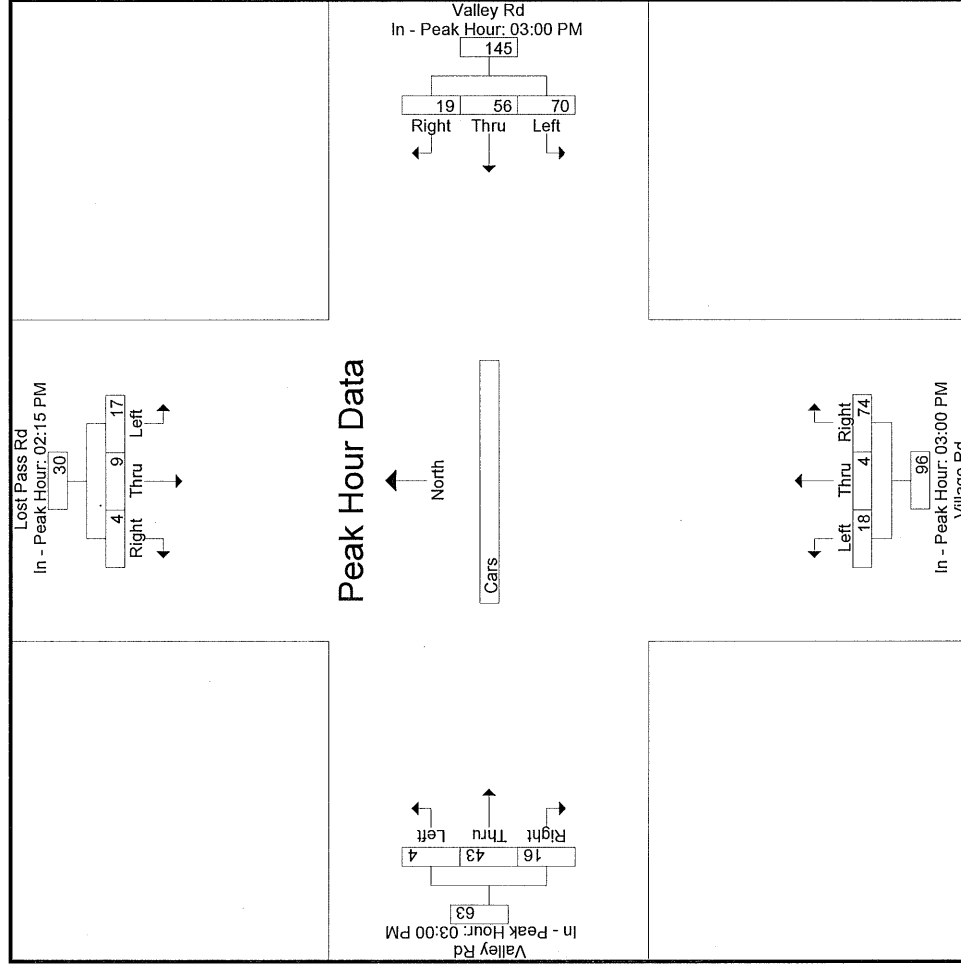
	Lost Pass Rd From North				Valley Rd From East				Village Rd From South				Valley Rd From West							
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total				
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1																				
Peak Hour for Each Approach Begins at:																				
	02:15 PM								03:00 PM											
+0 mins.	3	4	0	7	03:00 PM				36	4	22	1	17	23	11	1	14			
+15 mins.	5	3	1	9					10	2	13	4	23	28	1	8	1	10		
+30 mins.	2	0	2	4					20	4	5	4	1	18	23	1	9	6	16	
+45 mins.	7	2	1	10					25	16	9	5	1	16	22	0	15	8	23	
Total Volume	17	9	4	30					70	56	19	145	18	4	74	96	4	43	16	63
% App. Total	56.7	30	13.3						48.3	38.6	13.1		18.8	4.2	77.1	6.3	68.3	25.4		
PHF	.607	.563	.500	.750					.700	.636	.528	.725	.900	1.000	.804	.857	.500	.717	.500	.685

# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
 E/W Street : Valley Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650006  
 Site Code : 52650006  
 Start Date : 2/15/2014  
 Page No : 5



# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
 E/W Street : Valley Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650006  
 Site Code : 52650006  
 Start Date : 2/15/2014  
 Page No : 1

## Groups Printed- Trucks

Start Time	Lost Pass Rd From North			Valley Rd From East			Village Rd From South			Valley Rd From West			Int. Total
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
Total	0	0	0	0	1	0	0	0	0	0	0	0	1
11:00 AM	0	0	0	1	0	0	0	0	0	0	2	0	3
11:15 AM	0	0	0	0	0	0	0	0	1	0	0	0	1
11:30 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	1	1	0	0	0	1	0	2	0	5
12:00 PM	0	0	0	1	1	0	0	0	0	0	0	0	2
12:15 PM	0	0	0	0	0	0	0	0	1	0	0	0	1
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	1
Total	0	0	0	1	1	0	0	0	1	0	0	1	4
01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	1
01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	0	0	0	0	0	1
02:00 PM	0	0	0	0	2	0	0	0	0	0	0	0	2
02:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
02:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	1
02:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	2	0	0	0	0	0	1	1	4
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	2	5	0	1	0	2	0	3	2	15
Approch %	0	0	0	28.6	71.4	0	33.3	0	66.7	0	60	40	
Total %	0	0	0	13.3	33.3	0	6.7	0	13.3	0	20	13.3	

# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
 E/W Street : Valley Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

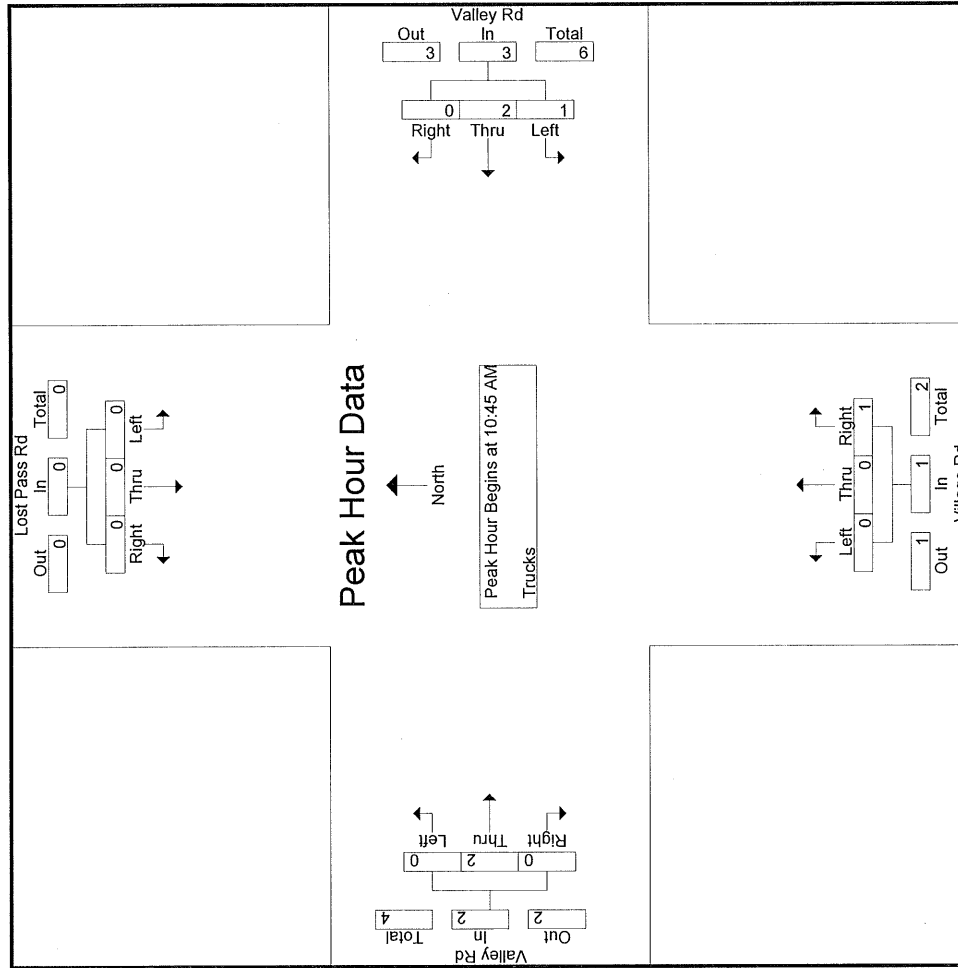
File Name : 52650006  
 Site Code : 52650006  
 Start Date : 2/15/2014  
 Page No : 2

Start Time	Lost Pass Rd From North			Valley Rd From East			Village Rd From South			Valley Rd From West			Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 10:45 AM													
10:45 AM	0	0	0	0	0	1	0	0	0	0	0	0	1
11:00 AM	0	0	0	0	1	0	0	0	0	0	2	0	3
11:15 AM	0	0	0	0	0	0	0	0	1	0	0	0	1
11:30 AM	0	0	0	0	0	1	0	0	0	0	0	0	1
Total Volume	0	0	0	0	1	2	0	0	1	0	2	0	6
% App. Total	0	0	0	33.3	66.7	0	0	0	100	0	100	0	
PHF	.000	.000	.000	.000	.250	.500	.000	.000	.250	.000	.250	.000	.500

# Accurate Counts 978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 3



# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
 E/W Street : Valley Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650006  
 Site Code : 52650006  
 Start Date : 2/15/2014  
 Page No : 4

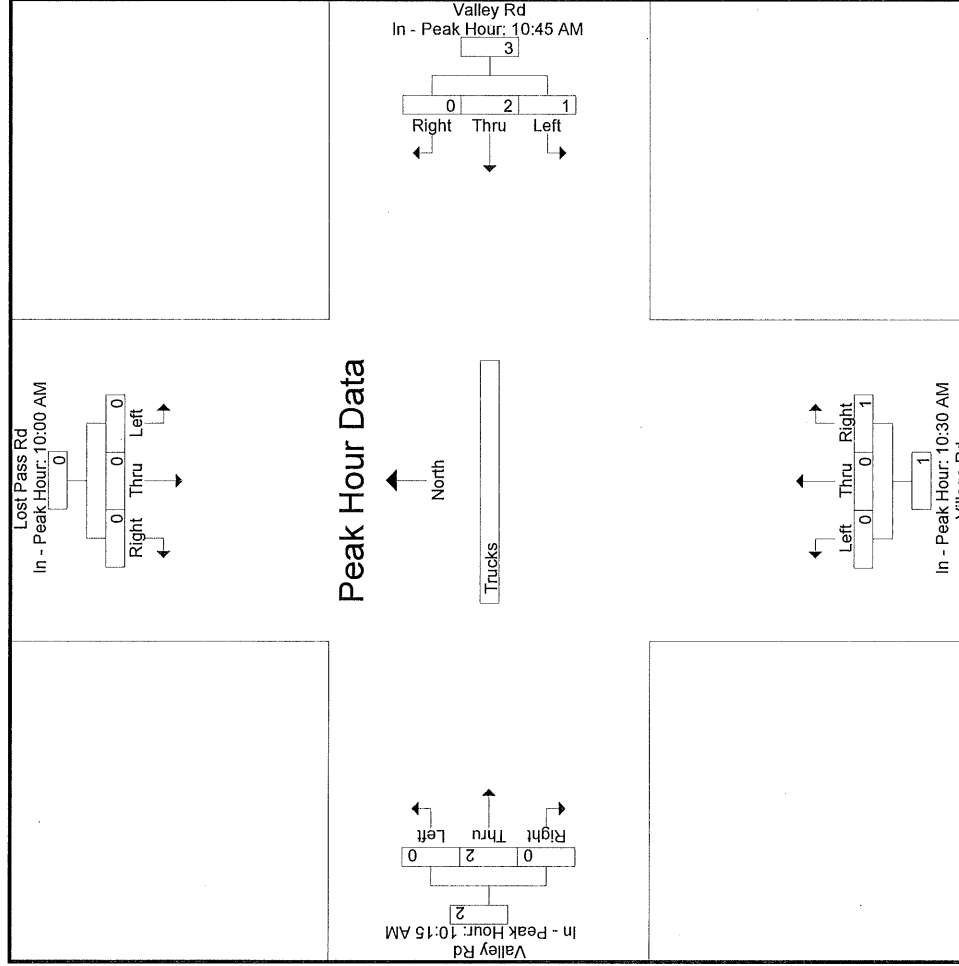
Start Time	Lost Pass Rd From North			Valley Rd From East			Village Rd From South			Valley Rd From West			Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1													
Peak Hour for Each Approach Begins at:													
	10:00 AM			10:45 AM			10:30 AM			10:15 AM			
+0 mins.	0	0	0	0	0	1	0	0	0	0	0	0	0
+15 mins.	0	0	0	1	0	1	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0
+45 mins.	0	0	0	0	0	1	0	0	1	0	2	0	2
Total Volume	0	0	0	1	2	3	0	0	1	0	2	0	2
% App. Total	0	0	0	33.3	66.7	0	0	0	100	0	100	0	0
PHF	.000	.000	.000	.250	.500	.750	.000	.000	.250	.000	.250	.000	.250

# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
 E/W Street : Valley Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650006  
 Site Code : 52650006  
 Start Date : 2/15/2014  
 Page No : 5



# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
 E/W Street : Valley Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

File Name : 52650006  
 Site Code : 52650006  
 Start Date : 2/15/2014  
 Page No : 1

## Groups Printed- Buses

Start Time	Lost Pass Rd From North			Valley Rd From East			Village Rd From South			Valley Rd From West			Int. Total
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
10:00 AM	0	0	0	0	0	0	1	0	0	0	0	0	1
10:15 AM	0	0	0	0	0	0	3	0	0	0	0	0	3
10:30 AM	0	0	0	0	0	0	1	0	0	0	0	0	1
10:45 AM	0	0	0	0	0	0	1	0	1	0	0	0	2
Total	0	0	0	0	0	0	6	0	1	0	0	0	7
11:00 AM	0	0	0	0	0	0	2	0	0	0	0	0	2
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	2	0	0	0	0	0	2
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	4	0	0	0	0	0	4
12:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	1
12:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	1
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	1
Total	0	0	0	0	0	0	3	0	0	0	0	0	3
01:00 PM	0	0	0	1	0	0	1	0	0	0	0	0	2
01:15 PM	0	0	0	0	0	0	2	0	0	0	0	0	2
01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45 PM	0	0	0	0	0	0	3	0	0	0	0	0	3
Total	0	0	0	1	0	0	6	0	0	0	0	0	7
02:00 PM	0	0	0	0	0	0	0	0	1	0	0	0	1
02:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30 PM	0	0	0	0	0	0	1	0	0	0	1	0	2
02:45 PM	0	0	0	0	0	0	1	0	1	0	1	0	3
Total	0	0	0	0	0	0	2	0	2	0	2	0	6
03:00 PM	0	0	0	0	0	0	2	0	0	0	0	0	2
03:15 PM	0	0	0	0	0	0	1	0	0	0	1	0	2
03:30 PM	0	0	0	0	0	0	1	0	1	0	0	0	2
03:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	2
Total	0	0	0	1	0	0	5	0	1	0	1	0	8
Grand Total	0	0	0	2	0	0	26	0	4	0	3	0	35
Approch %	0	0	0	100	0	0	86.7	0	13.3	0	100	0	
Total %	0	0	0	5.7	0	0	74.3	0	11.4	0	8.6	0	

# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
 E/W Street : Valley Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

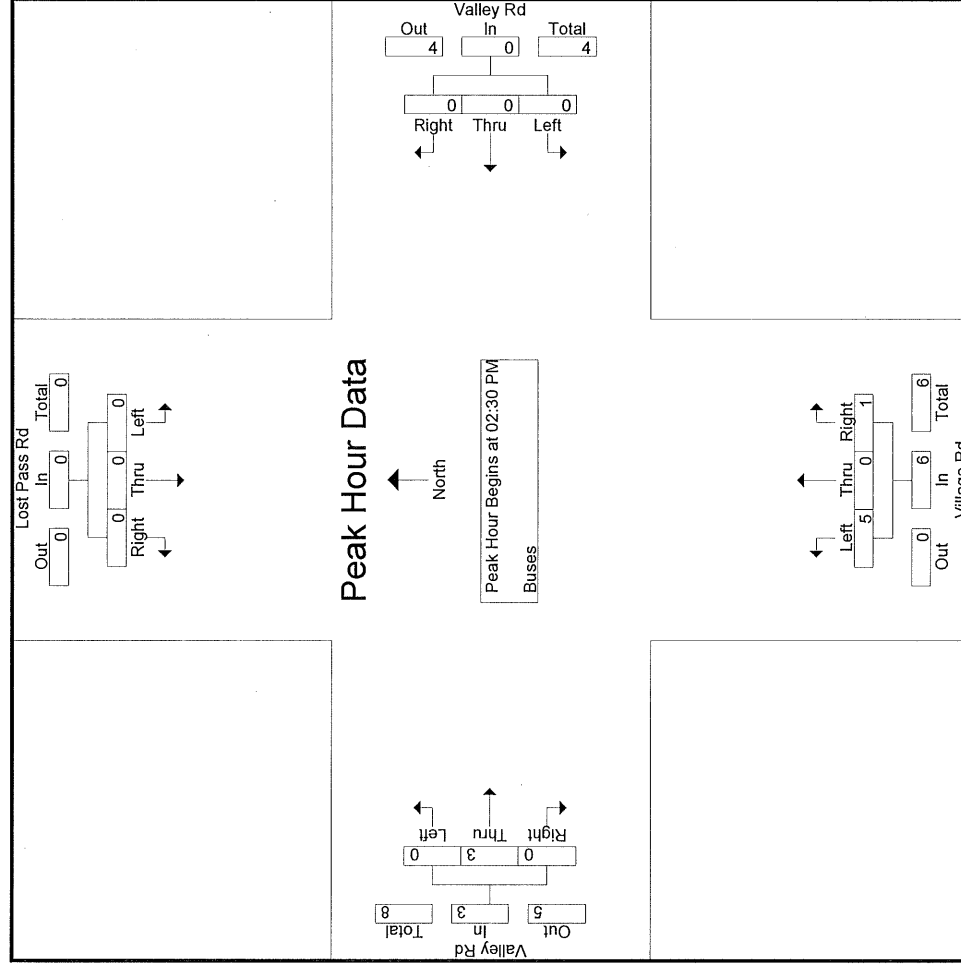
File Name : 52650006  
 Site Code : 52650006  
 Start Date : 2/15/2014  
 Page No : 2

Start Time	Lost Pass Rd From North			Valley Rd From East			Village Rd From South			Valley Rd From West			Int. Total
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 02:30 PM													
02:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	2
02:45 PM	0	0	0	0	0	0	1	0	1	0	1	0	3
03:00 PM	0	0	0	0	0	0	2	0	0	0	0	0	2
03:15 PM	0	0	0	0	0	0	1	0	1	0	1	0	2
Total Volume	0	0	0	0	0	0	5	0	1	6	3	0	9
% App. Total	0	0	0	0	0	0	83.3	0	16.7	0	100	0	
PHF	.000	.000	.000	.000	.000	.000	.625	.000	.250	.750	.750	.000	.750

Accurate Counts  
978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 3



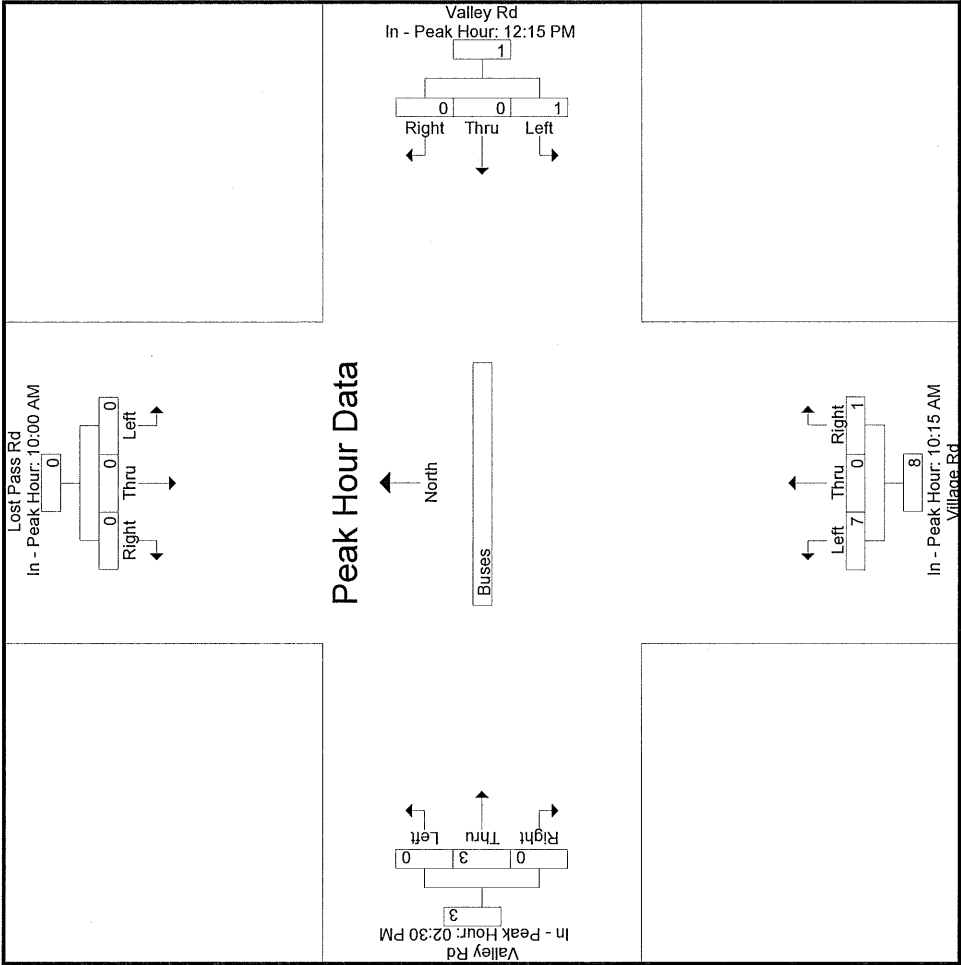
N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

Start Time	Lost Pass Rd From North				Valley Rd From East				Village Rd From South				Valley Rd From West				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	10:00 AM				12:15 PM				10:15 AM				02:30 PM				
+0 mins.	0	0	0	0	0	0	0	0	3	0	1	0	1				
+15 mins.	0	0	0	0	0	0	0	0	1	0	1	0	1				
+30 mins.	0	0	0	0	0	0	0	0	1	0	0	0	0				
+45 mins.	0	0	0	0	1	0	0	1	2	0	1	0	1				
Total Volume	0	0	0	0	1	0	0	1	7	0	3	0	3				
% App. Total	0	0	0	0	100	0	0	0	87.5	0	100	0	0				
PHF	.000	.000	.000	.000	.250	.000	.000	.000	.583	.000	.250	.000	.750				

Accurate Counts  
978-664-2565

File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 5

N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy



# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 1

## Groups Printed- Bikes Peds

Groups Printed- Bikes- Peds																								
Lost Pass Rd From North				Valley Rd From East						Village Rd From South						Valley Rd From West								
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Exclu. Total	Inclu. Total	Int. Total					
10:00 AM	0	0	0	5	0	0	0	0	0	0	0	1	0	0	0	0	6	0	6	0				
10:15 AM	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	8	0	8	0				
10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2	0				
10:45 AM	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	5	0	5	0				
Total	0	0	0	11	0	0	0	0	0	0	0	2	0	0	0	2	21	0	21	0				
11:00 AM	0	0	0	6	0	0	0	0	0	0	0	5	0	0	0	2	17	0	17	0				
11:15 AM	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0				
11:30 AM	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	3	0	3	0				
11:45 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	10	1	10	1				
Total	0	0	0	11	0	0	0	0	0	0	0	6	0	1	0	2	34	1	34	1				
12:00 PM	0	0	0	4	0	0	0	0	0	0	0	2	0	0	0	2	12	0	12	0				
12:15 PM	0	0	0	4	0	0	0	0	0	0	0	4	0	0	0	0	14	0	14	0				
12:30 PM	0	0	0	2	0	0	0	0	0	0	0	6	0	0	0	2	16	0	16	0				
12:45 PM	0	0	0	5	0	0	0	0	0	0	0	2	0	0	0	0	13	0	13	0				
Total	0	0	0	15	0	0	0	0	0	0	0	14	0	0	0	4	55	0	55	0				
01:00 PM	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	0	4	0				
01:15 PM	0	0	0	6	0	0	0	0	0	0	0	5	0	0	0	2	13	0	13	0				
01:30 PM	0	0	0	6	0	0	0	0	0	0	0	13	0	0	0	4	24	0	24	0				
01:45 PM	0	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	4	0	4	0				
Total	0	0	0	13	0	0	0	0	0	0	0	25	0	0	0	6	45	0	45	0				
02:00 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	2	0				
02:15 PM	0	0	0	7	0	0	0	0	0	0	0	3	0	0	0	2	12	0	12	0				
02:30 PM	0	0	0	6	0	0	0	0	0	0	0	11	0	0	0	7	25	0	25	0				
02:45 PM	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	4	9	0	9	0				
Total	0	0	0	18	0	0	0	0	0	0	0	16	0	0	0	13	48	0	48	0				
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	3	9	0	9	0				
03:15 PM	0	0	0	9	0	0	0	0	0	0	0	2	0	0	0	2	14	0	14	0				
03:30 PM	0	0	0	2	0	0	0	0	0	0	0	3	0	0	0	4	12	0	12	0				
03:45 PM	0	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	7	0	7	0				
Total	0	0	0	13	0	0	0	0	0	0	0	14	0	0	0	9	42	0	42	0				
Grand Total	0	0	0	81	0	0	0	0	0	0	0	77	0	1	0	38	245	1	246					
Approch %	0	0	0		0	0	0	0	0	0	0		0	100	0		99.6							
Total %	0	0	0		0	0	0	0	0	0	0		0	100	0		99.6							

# Accurate Counts

978-664-2565

N/S Street : Lost Pass Rd / Village Rd  
 E/W Street : Valley Road  
 City/State : Waterville Valley, NH  
 Weather : Cloudy

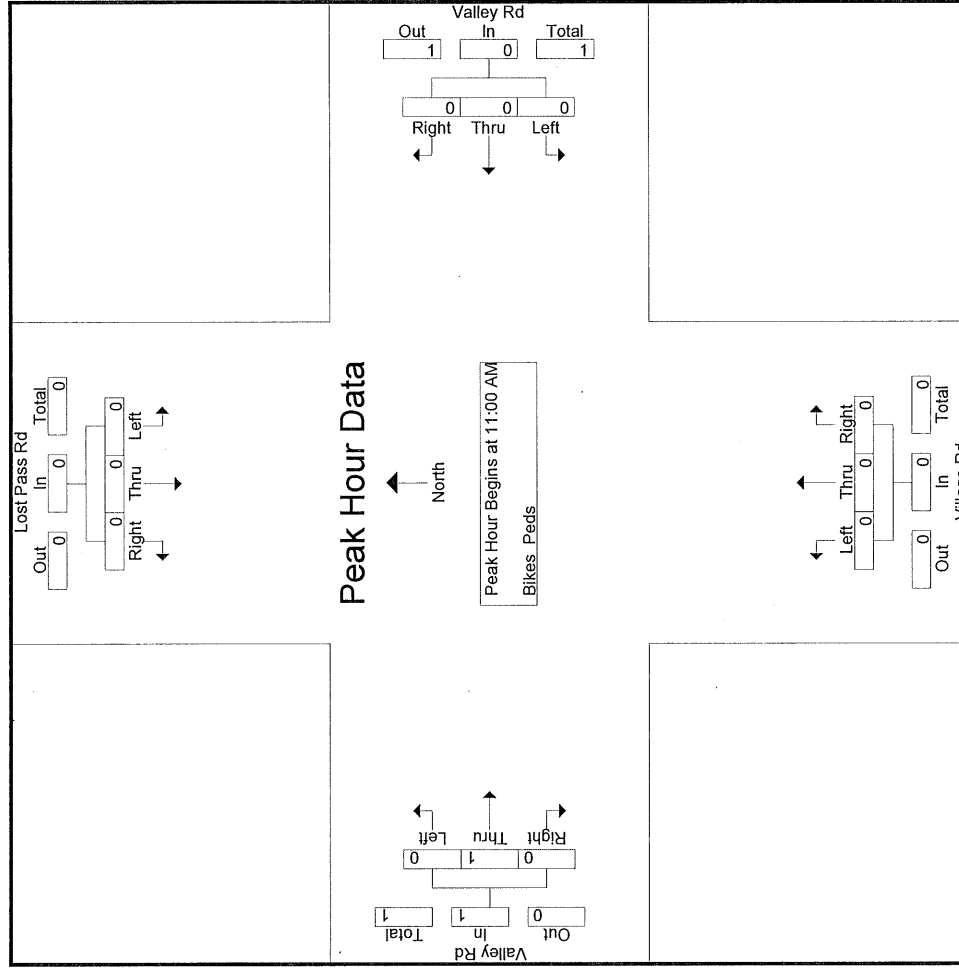
File Name : 52650006  
 Site Code : 52650006  
 Start Date : 2/15/2014  
 Page No : 2

Start Time	Lost Pass Rd From North			Valley Rd From East			Village Rd From South			Valley Rd From West			Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 10:00 AM to 03:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 11:00 AM													
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	1	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	1	0	1	1
% App. Total	0	0	0	0	0	0	0	0	0	100	0	1	1
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.250

Accurate Counts  
978-664-2565

File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 3

N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy



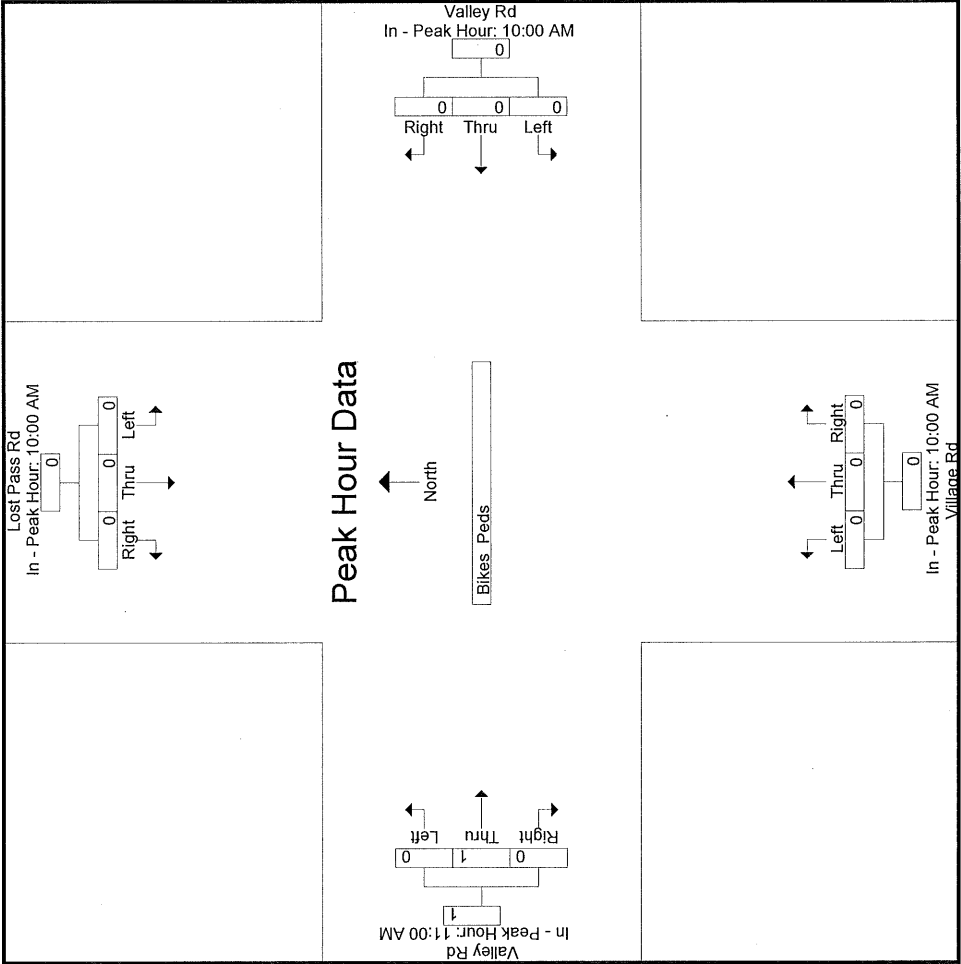
N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy

[illegible]

Accurate Counts  
978-664-2565

File Name : 52650006  
Site Code : 52650006  
Start Date : 2/15/2014  
Page No : 5

N/S Street : Lost Pass Rd / Village Rd  
E/W Street : Valley Road  
City/State : Waterville Valley, NH  
Weather : Cloudy







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# Traffic Analyses



# HCM Unsignalized Intersection Capacity Analysis

1: Tripoli Rd & Valley Rd (NH 49)

4/11/2014




						
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (veh/h)	78	28	285	160	42	166
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88
Hourly flow rate (vph)	89	32	324	182	48	189
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)		2				
Median type				None	None	
Median storage veh						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	972	142	236			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	972	142	236			
tC, single (s)	6.5	6.3	4.1			
tC, 2 stage (s)						
tF (s)	3.6	3.4	2.2			
p0 queue free %	57	96	76			
cM capacity (veh/h)	206	887	1337			
Direction, Lane #	EB 1	NB 1	SB 1			
Volume Total	120	506	236			
Volume Left	89	324	0			
Volume Right	32	0	189			
cSH	280	1337	1700			
Volume to Capacity	0.43	0.24	0.14			
Queue Length 95th (ft)	51	24	0			
Control Delay (s)	28.2	6.3	0.0			
Lane LOS	D	A				
Approach Delay (s)	28.2	6.3	0.0			
Approach LOS	D					
Intersection Summary						
Average Delay		7.6				
Intersection Capacity Utilization		51.0%	ICU Level of Service	A		
Analysis Period (min)		15				

# HCM Unsignalized Intersection Capacity Analysis

## 2: Tecumseh Rd & Valley Rd (NH 49)

4/11/2014



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (veh/h)	9	41	36	154	97	9
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.83	0.83	0.90	0.90	0.80	0.80
Hourly flow rate (vph)	11	49	40	171	121	11
Pedestrians	9			4	9	
Lane Width (ft)	11.0			11.0	11.0	
Walking Speed (ft/s)	4.0			4.0	4.0	
Percent Blockage	1			0	1	
Right turn flare (veh)						
Median type				None	None	
Median storage veh						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	396	140	142			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	396	140	142			
tC, single (s)	6.5	6.3	4.1			
tC, 2 stage (s)						
tF (s)	3.6	3.4	2.2			
p0 queue free %	98	94	97			
cM capacity (veh/h)	569	879	1419			
Direction, Lane #	EB 1	NB 1	SB 1			
Volume Total	60	211	132			
Volume Left	11	40	0			
Volume Right	49	0	11			
cSH	800	1419	1700			
Volume to Capacity	0.08	0.03	0.08			
Queue Length 95th (ft)	6	2	0			
Control Delay (s)	9.9	1.6	0.0			
Lane LOS	A	A				
Approach Delay (s)	9.9	1.6	0.0			
Approach LOS	A					
Intersection Summary						
Average Delay		2.3				
Intersection Capacity Utilization		28.1%		ICU Level of Service		A
Analysis Period (min)		15				

# HCM Unsignalized Intersection Capacity Analysis

## 3: Packard's Rd & Valley Rd (NH 49)

4/11/2014












Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (veh/h)	13	22	44	107	79	17
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.80	0.80	0.92	0.92	0.80	0.80
Hourly flow rate (vph)	16	28	48	116	99	21
Pedestrians	3			3		
Lane Width (ft)	12.0			12.0		
Walking Speed (ft/s)	4.0			4.0		
Percent Blockage	0			0		
Right turn flare (veh)						
Median type				None	None	
Median storage veh						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	324	115	123			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	324	115	123			
tC, single (s)	6.4	6.2	4.2			
tC, 2 stage (s)						
tF (s)	3.5	3.3	2.3			
p0 queue free %	97	97	97			
cM capacity (veh/h)	650	938	1436			
Direction, Lane #	EB 1	NB 1	SB 1			
Volume Total	44	164	120			
Volume Left	16	48	0			
Volume Right	28	0	21			
cSH	805	1436	1700			
Volume to Capacity	0.05	0.03	0.07			
Queue Length 95th (ft)	4	3	0			
Control Delay (s)	9.7	2.4	0.0			
Lane LOS	A	A				
Approach Delay (s)	9.7	2.4	0.0			
Approach LOS	A					
Intersection Summary						
Average Delay		2.5				
Intersection Capacity Utilization		25.7%		ICU Level of Service		A
Analysis Period (min)		15				

# HCM Unsignalized Intersection Capacity Analysis

## 4: Snow's Brood Rd & Tecumseh Rd










4/11/2014

									
Movement	EBT	EBR	WBL	WBT	NBL	NBR			
Lane Configurations									
Volume (veh/h)	12	41	5	19	28	7			
Sign Control	Free			Free	Stop				
Grade	0%			0%	0%				
Peak Hour Factor	0.88	0.88	0.60	0.60	0.72	0.72			
Hourly flow rate (vph)	14	47	8	32	39	10			
Pedestrians	7			3	7				
Lane Width (ft)	10.0			12.0	10.0				
Walking Speed (ft/s)	4.0			4.0	4.0				
Percent Blockage	0			0	0				
Right turn flare (veh)									
Median type	None			None					
Median storage veh									
Upstream signal (ft)									
pX, platoon unblocked									
vC, conflicting volume			67		99	47			
vC1, stage 1 conf vol									
vC2, stage 2 conf vol									
vCu, unblocked vol			67		99	47			
tC, single (s)			4.4		6.4	6.2			
tC, 2 stage (s)									
tF (s)			2.5		3.5	3.3			
p0 queue free %			99		96	99			
cM capacity (veh/h)			1372		890	1020			
Direction, Lane #	EB 1	WB 1	NB 1						
Volume Total	60	40	49						
Volume Left	0	8	39						
Volume Right	47	0	10						
cSH	1700	1372	914						
Volume to Capacity	0.04	0.01	0.05						
Queue Length 95th (ft)	0	0	4						
Control Delay (s)	0.0	1.6	9.2						
Lane LOS		A	A						
Approach Delay (s)	0.0	1.6	9.2						
Approach LOS			A						
Intersection Summary									
Average Delay		3.4							
Intersection Capacity Utilization		16.7%	ICU Level of Service	A					
Analysis Period (min)		15							

# HCM Unsignalized Intersection Capacity Analysis

## 5: Village Rd & Snow's Brood Rd


















4/11/2014

						
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	18	11	13	32	11	31
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.56	0.56	0.80	0.80	0.88	0.88
Hourly flow rate (vph)	32	20	16	40	12	35
Pedestrians	7		3			7
Lane Width (ft)	11.0		11.0			11.0
Walking Speed (ft/s)	4.0		4.0			4.0
Percent Blockage	1		0			1
Right turn flare (veh)						
Median type			None			None
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	106	50			63	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	106	50			63	
tC, single (s)	6.4	6.2			4.2	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.3	
p0 queue free %	96	98			99	
cM capacity (veh/h)	882	1013			1470	
Direction, Lane #	WB 1	NB 1	SB 1			
Volume Total	52	56	48			
Volume Left	32	0	12			
Volume Right	20	40	0			
cSH	927	1700	1470			
Volume to Capacity	0.06	0.03	0.01			
Queue Length 95th (ft)	4	0	1			
Control Delay (s)	9.1	0.0	2.0			
Lane LOS	A		A			
Approach Delay (s)	9.1	0.0	2.0			
Approach LOS	A					
Intersection Summary						
Average Delay		3.6				
Intersection Capacity Utilization		21.0%		ICU Level of Service		A
Analysis Period (min)		15				

# HCM Unsignalized Intersection Capacity Analysis

## 6: Village Rd & NH 49











4/11/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	25	4	49	6	4	1	70	28	5	3	25	9
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.75	0.75	0.75	0.46	0.46	0.46	0.78	0.78	0.78	0.84	0.84	0.84
Hourly flow rate (vph)	33	5	65	13	9	2	90	36	6	4	30	11
Pedestrians		8			17			17			13	
Lane Width (ft)		10.0			12.0			11.0			11.0	
Walking Speed (ft/s)		4.0			4.0			4.0			4.0	
Percent Blockage		1			1			1			1	
Right turn flare (veh)			4									
Median type								None			None	
Median storage veh												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	288	289	60	330	291	69	48			59		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	288	289	60	330	291	69	48			59		
tC, single (s)	7.2	6.6	6.3	7.1	6.5	6.2	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.6	4.1	3.4	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	94	99	93	98	98	100	94			100		
cM capacity (veh/h)	594	562	968	531	574	976	1556			1535		
Direction, Lane #	EB 1	WB 1	NB 1	SB 1								
Volume Total	104	24	132	44								
Volume Left	33	13	90	4								
Volume Right	65	2	6	11								
cSH	1540	570	1556	1535								
Volume to Capacity	0.07	0.04	0.06	0.00								
Queue Length 95th (ft)	5	3	5	0								
Control Delay (s)	9.9	11.6	5.2	0.6								
Lane LOS	A	B	A	A								
Approach Delay (s)	9.9	11.6	5.2	0.6								
Approach LOS	A	B										
Intersection Summary												
Average Delay			6.7									
Intersection Capacity Utilization			27.9%		ICU Level of Service					A		
Analysis Period (min)			15									

# HCM Unsignalized Intersection Capacity Analysis

1: Tripoli Rd & Valley Rd (NH 49)

4/11/2014

						
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (veh/h)	192	249	39	130	117	73
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.86	0.86	0.96	0.96	0.91	0.91
Hourly flow rate (vph)	223	290	41	135	129	80
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)		2				
Median type				None	None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	385	169	209			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	385	169	209			
tC, single (s)	6.4	6.2	4.1			
tC, 2 stage (s)						
tF (s)	3.5	3.3	2.2			
p0 queue free %	63	67	97			
cM capacity (veh/h)	597	873	1368			
Direction, Lane #	EB 1	NB 1	SB 1			
Volume Total	513	176	209			
Volume Left	223	41	0			
Volume Right	290	0	80			
cSH	1372	1368	1700			
Volume to Capacity	0.37	0.03	0.12			
Queue Length 95th (ft)	44	2	0			
Control Delay (s)	12.6	2.0	0.0			
Lane LOS	B	A				
Approach Delay (s)	12.6	2.0	0.0			
Approach LOS	B					
Intersection Summary						
Average Delay		7.6				
Intersection Capacity Utilization		40.2%		ICU Level of Service		A
Analysis Period (min)		15				

# HCM Unsignalized Intersection Capacity Analysis

## 2: Tecumseh Rd & Valley Rd (NH 49)

4/11/2014






Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (veh/h)	11	56	95	211	138	7
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.84	0.84	0.85	0.85	0.95	0.95
Hourly flow rate (vph)	13	67	112	248	145	7
Pedestrians	2			1	2	
Lane Width (ft)	11.0			11.0	11.0	
Walking Speed (ft/s)	4.0			4.0	4.0	
Percent Blockage	0			0	0	
Right turn flare (veh)						
Median type				None	None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	625	152	155			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	625	152	155			
tC, single (s)	6.5	6.3	4.1			
tC, 2 stage (s)						
tF (s)	3.6	3.4	2.2			
p0 queue free %	97	92	92			
cM capacity (veh/h)	401	872	1417			
Direction, Lane #	EB 1	NB 1	SB 1			
Volume Total	80	360	153			
Volume Left	13	112	0			
Volume Right	67	0	7			
cSH	731	1417	1700			
Volume to Capacity	0.11	0.08	0.09			
Queue Length 95th (ft)	9	6	0			
Control Delay (s)	10.5	2.9	0.0			
Lane LOS	B	A				
Approach Delay (s)	10.5	2.9	0.0			
Approach LOS	B					
Intersection Summary						
Average Delay		3.2				
Intersection Capacity Utilization		38.9%		ICU Level of Service		A
Analysis Period (min)		15				

# HCM Unsignalized Intersection Capacity Analysis

## 3: Packard's Rd & Valley Rd (NH 49)

4/11/2014



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (veh/h)	17	29	44	143	120	14
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.72	0.72	0.88	0.88	0.91	0.91
Hourly flow rate (vph)	24	40	50	162	132	15
Pedestrians	5			5	3	
Lane Width (ft)	12.0			12.0	11.0	
Walking Speed (ft/s)	4.0			4.0	4.0	
Percent Blockage	0			0	0	
Right turn flare (veh)						
Median type				None	None	
Median storage veh						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	410	150	152			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	410	150	152			
tC, single (s)	6.4	6.2	4.1			
tC, 2 stage (s)						
tF (s)	3.5	3.3	2.2			
p0 queue free %	96	95	96			
cM capacity (veh/h)	569	884	1404			
Direction, Lane #	EB 1	NB 1	SB 1			
Volume Total	64	212	147			
Volume Left	24	50	0			
Volume Right	40	0	15			
cSH	734	1404	1700			
Volume to Capacity	0.09	0.04	0.09			
Queue Length 95th (ft)	7	3	0			
Control Delay (s)	10.4	2.0	0.0			
Lane LOS	B	A				
Approach Delay (s)	10.4	2.0	0.0			
Approach LOS	B					
Intersection Summary						
Average Delay			2.6			
Intersection Capacity Utilization			32.6%	ICU Level of Service	A	
Analysis Period (min)			15			

# HCM Unsignalized Intersection Capacity Analysis

## 4: Snow's Brood Rd & Tecumseh Rd

4/11/2014

	→	↘	↙	←	↖	↗
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↗			↖	↘↗	
Volume (veh/h)	23	45	4	26	64	9
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.68	0.68	0.75	0.75	0.91	0.91
Hourly flow rate (vph)	34	66	5	35	70	10
Pedestrians	1			5	5	
Lane Width (ft)	10.0			12.0	10.0	
Walking Speed (ft/s)	4.0			4.0	4.0	
Percent Blockage	0			0	0	
Right turn flare (veh)						
Median type	None			None		
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			105		118	77
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			105		118	77
tC, single (s)			4.3		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.4		3.5	3.3
p0 queue free %			100		92	99
cM capacity (veh/h)			1360		875	982
Direction, Lane #	EB 1	WB 1	NB 1			
Volume Total	100	40	80			
Volume Left	0	5	70			
Volume Right	66	0	10			
cSH	1700	1360	887			
Volume to Capacity	0.06	0.00	0.09			
Queue Length 95th (ft)	0	0	7			
Control Delay (s)	0.0	1.0	9.5			
Lane LOS		A	A			
Approach Delay (s)	0.0	1.0	9.5			
Approach LOS			A			
Intersection Summary						
Average Delay			3.6			
Intersection Capacity Utilization			17.0%	ICU Level of Service		A
Analysis Period (min)			15			

# HCM Unsignalized Intersection Capacity Analysis

## 5: Village Rd & Snow's Brood Rd

4/11/2014



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	26	10	42	39	10	41
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.56	0.56	0.88	0.88	0.75	0.75
Hourly flow rate (vph)	46	18	48	44	13	55
Pedestrians	13		9			13
Lane Width (ft)	11.0		11.0			11.0
Walking Speed (ft/s)	4.0		4.0			4.0
Percent Blockage	1		1			1
Right turn flare (veh)						
Median type			None			None
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	173	96			105	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	173	96			105	
tC, single (s)	6.4	6.2			4.2	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.3	
p0 queue free %	94	98			99	
cM capacity (veh/h)	793	939			1423	


















Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	64	92	68
Volume Left	46	0	13
Volume Right	18	44	0
cSH	829	1700	1423
Volume to Capacity	0.08	0.05	0.01
Queue Length 95th (ft)	6	0	1
Control Delay (s)	9.7	0.0	1.5
Lane LOS	A		A
Approach Delay (s)	9.7	0.0	1.5
Approach LOS	A		

Intersection Summary			
Average Delay		3.2	
Intersection Capacity Utilization		22.9%	ICU Level of Service A
Analysis Period (min)		15	

# HCM Unsignalized Intersection Capacity Analysis

6: Village Rd & NH 49

4/11/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	23	4	75	14	6	4	71	56	19	4	44	16
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.88	0.88	0.88	0.60	0.60	0.60	0.72	0.72	0.72	0.70	0.70	0.70
Hourly flow rate (vph)	26	5	85	23	10	7	99	78	26	6	63	23
Pedestrians		23			22			20			23	
Lane Width (ft)		10.0			12.0			11.0			11.0	
Walking Speed (ft/s)		4.0			4.0			4.0			4.0	
Percent Blockage		2			2			2			2	
Right turn flare (veh)			4									
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	432	432	117	461	430	136	109			126		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	432	432	117	461	430	136	109			126		
tC, single (s)	7.2	6.6	6.3	7.1	6.5	6.2	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.6	4.1	3.4	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	94	99	90	94	98	99	93			100		
cM capacity (veh/h)	459	458	895	411	467	885	1464			1433		
Direction, Lane #	EB 1	WB 1	NB 1	SB 1								
Volume Total	116	40	203	91								
Volume Left	26	23	99	6								
Volume Right	85	7	26	23								
cSH	1218	467	1464	1433								
Volume to Capacity	0.10	0.09	0.07	0.00								
Queue Length 95th (ft)	8	7	5	0								
Control Delay (s)	10.5	13.4	4.0	0.5								
Lane LOS	B	B	A	A								
Approach Delay (s)	10.5	13.4	4.0	0.5								
Approach LOS	B	B										
Intersection Summary												
Average Delay			5.8									
Intersection Capacity Utilization			37.4%		ICU Level of Service				A			
Analysis Period (min)			15									