

All your traffic safety program data in one place. TraffiCloud is ATS secure, web-based ecosystem for managing all your traffic safety data and components. View dashboards and reports of all collected data in real time. Make more insightful decisions based on data analytics from all your program components. Reduce the time to manage all your devices status and dynamic messaging all from one central location. Reports display data by sites, time, date and speed.

Speed Summary Report

Traffic volume and speeds at a site. Speeds by the hour and totals for the time range selected.

Speed Summary Report

Generated by Ted Graef from All Traffic Solutions Software Developer Time of Day: 0:00 to 23:59
Account on 10/22/2014 at 10:44:22 AM Dates: 10/15/2014 to 10/21/2014 (Su, M, T, W, Th, F, Sa)

A sign of the future. Site: across from Mt Nittany United Methodist Church, NB

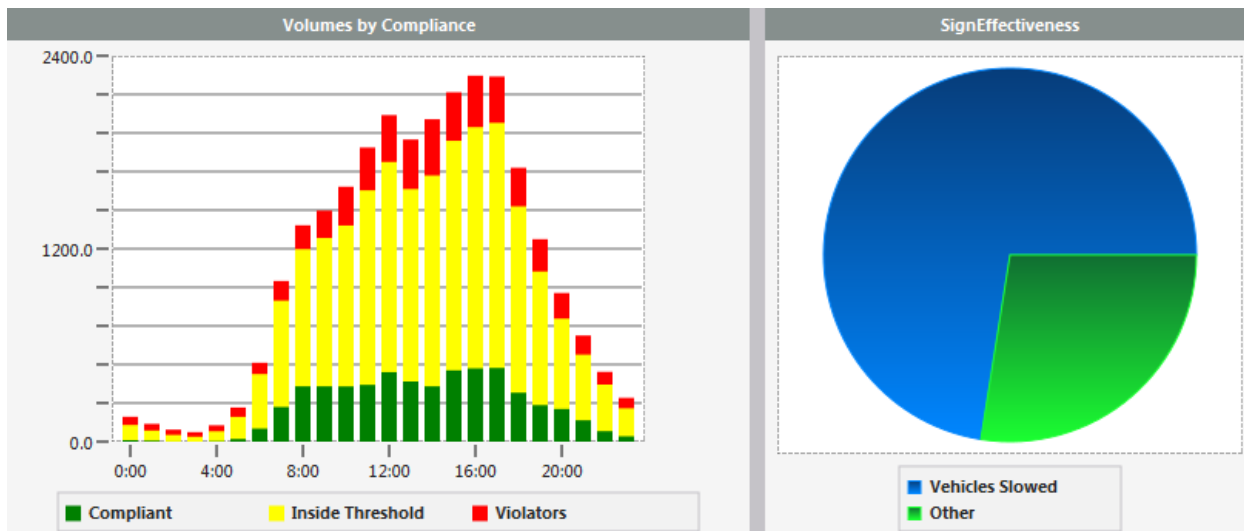
Overall Summary

Total Days of Data	7	Minimum Speed	5
Speed Limit	25	Maximum Speed	88
Average Speed	30.09	Display Status	Mixed Display
50th Percentile Speed	29.62	Average Volume per Day	3,723.1
85th Percentile Speed	34.95	Total Volume	26,062
Pace Speed Range	26 to 50		

Hours	Sign Mode	Speed Limit	Total # Vehicles	Total # Violations	% Violations	Avg # Vehicles	Avg # Violations	Minimum Speed Recorded	Maximum Speed Recorded	Average Speed	50% Speed	85% Speed
0:00	Speed Display	25	145.0	32.0	22.1 %	20.7	4.6	17.0	47.0	31.0	30.6	35.9
1:00	Speed Display	25	101.0	22.0	21.8 %	14.4	3.1	5.0	52.0	31.7	30.8	34.7
2:00	Speed Display	25	65.0	13.0	20.0 %	9.3	1.9	5.0	51.0	31.6	30.6	37.0
3:00	Speed Display	25	45.0	5.0	11.1 %	6.4	0.7	6.0	45.0	30.6	31.7	33.4
4:00	Speed Display	25	92.0	18.0	19.6 %	13.1	2.6	20.0	63.0	32.5	31.1	35.5
5:00	Speed Display	25	204.0	39.0	19.1 %	29.1	5.6	5.0	88.0	31.1	29.4	36.3
6:00	Speed Display	25	481.0	51.0	10.6 %	68.7	7.3	6.0	51.0	29.9	29.1	34.4

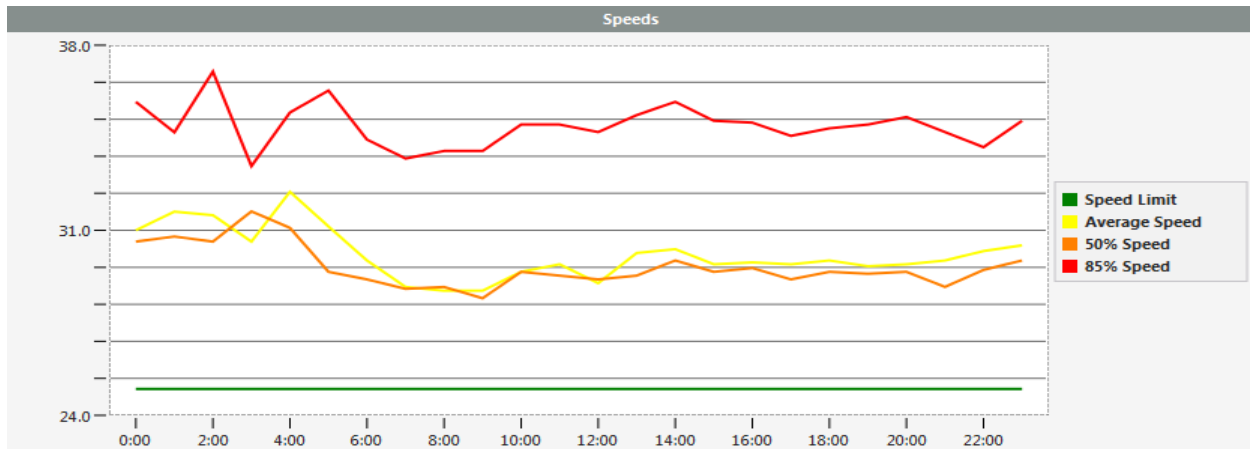
Volumes by Compliance and Sign Effectiveness

Volume by compliance, by user established threshold. Traffic sign effectiveness by percentage of vehicles slowed down.



Speed Limit vs. Average Speed

Speeds relative to the Speed Limit – 85%, 50% and Average. The 85 percentile speed is the speed under which 85% of the traffic is travelling.



Sample Reports

TraffiCloud Enforcement Priorities Report

Prioritizes sites, times of the day and day of the week for the most effective enforcement activity. Priorities by the 85% speed, or a weighted analysis skewed towards either speed or volume.

Rank	Site	Day of Week	Time	Speed Limit	Average Speed	Average Violator Speed	85% Speed	Average # Vehicles	Average # Violators
1	across from Mt Nittany United Methodist Church, NB	Saturday	15:00 - 16:00	25	31.0	39.8	38.0	289.0	73.0
2	across from Mt Nittany United Methodist Church, NB	Saturday	15:00 - 16:00	25	32.0	39.8	38.0	268.0	64.0
3	across from Mt Nittany United Methodist Church, NB	Thursday	17:00 - 18:00	25	30.0	39.4	36.0	391.0	63.0
4	across from Mt Nittany United Methodist Church, NB	Friday	17:00 - 18:00	25	30.0	39.5	35.0	416.0	62.0
5	across from Mt Nittany United Methodist Church, NB	Saturday	14:00 - 15:00	25	32.0	38.8	37.0	238.0	59.0
6	across from Mt Nittany United Methodist Church, NB	Monday	15:00 - 16:00	25	30.0	39.4	36.0	366.0	58.0
7	across from Mt Nittany United Methodist Church, NB	Saturday	11:00 - 12:00	25	31.0	38.5	36.0	311.0	58.0
8	across from Mt Nittany United Methodist Church, NB	Monday	14:00 - 15:00	25	30.0	38.1	36.0	333.0	58.0
9	across from Mt Nittany United Methodist Church, NB	Monday	12:00 - 13:00	25	31.0	39.4	37.0	291.0	57.0
10	across from Mt Nittany United Methodist Church, NB	Friday	15:00 - 16:00	25	29.0	38.5	35.0	404.0	57.0

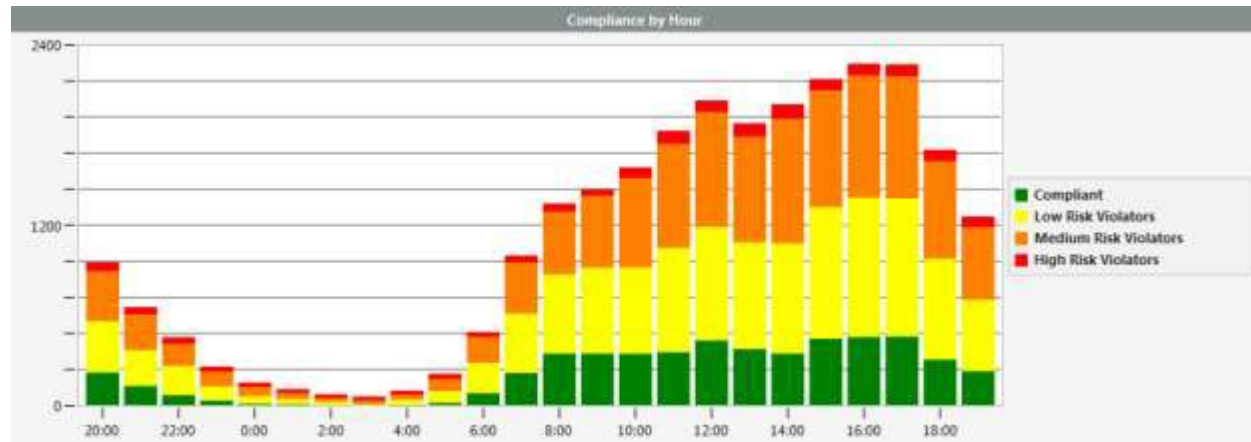
TraffiCloud Compliance Report

Volume of traffic in each compliance range by hour, day or week. Thresholds for medium and high risk speeds to visualize compliance at a site.

Date/Time Range	Speed Limit	Sign Mode	Compliant	Low Risk	Medium Risk	High Risk	Total Num Vehicles
Sunday	25	Speed Display	519	1033	1198	184	2935
Monday	25	Speed Display	811	1588	1452	121	3972
Tuesday	25	Speed Display	1029	1560	1169	68	3826
Wednesday	25	Speed Display	969	1601	1403	92	4065
Thursday	25	Speed Display	913	1555	1391	130	3989
Friday	25	Speed Display	720	1656	1751	158	4285
Saturday	25	Speed Display	476	1179	1315	165	3135
Avg # Vehicles			776.7	1453.1	1382.7	131.1	3743.9

Compliance by Volume

Compliance by volume is best when traffic volume varies significantly over the time range, such as when viewing hourly compliance and the night and day volumes are significantly different. At night a higher percentage of vehicles are non-compliant, but the volume is very low and a few cars can raise the percentage of non-compliance.



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