



ALL TRAFFIC
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Connected Solutions for Better Traffic Safety Outcomes

SPEED, VOLUME AND ENFORCEMENT REPORTS

AllTrafficSolutions.com

All Your Traffic Safety Program Data In One Place

TraffiCloud® reports provide fast access to real-time traffic data and analytics to help you calm traffic, resolve complaints, improve traffic safety and meet your traffic management objectives.

- ✓ Resolve complaints and improve community relations
- ✓ Prioritize enforcement resources
- ✓ Demonstrate need for funding and on grant applications
- ✓ Reduce manual data collection and file management

EXTENDED SPEED SUMMARY REPORT

Summary with average and 85th percentile speed, average daily volume, 10-mph pace speed, high and low speed, display mode.

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Extended Speed Summary Report

Generated by Marketing Demo from All Traffic Solutions Traffic Study Account on Aug 31, 20-- at 2:57:24 PM

Site: Beside Mt Nittany United Methodist Church, NB

Time of Day: 0:00 to 23:59
Dates: 8/24/20-- to 8/30/20--

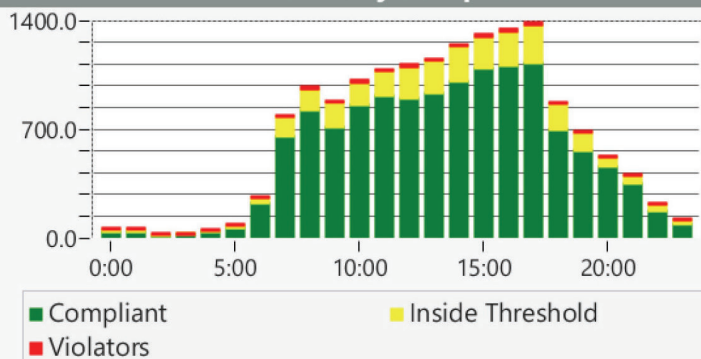
Overall Summary

Total Days of Data: 7
Speed Limit: 35
Average Speed: 31.05
50th Percentile Speed: 30.50
85th Percentile Speed: 35.86
Pace Speed Range: 26 to 36

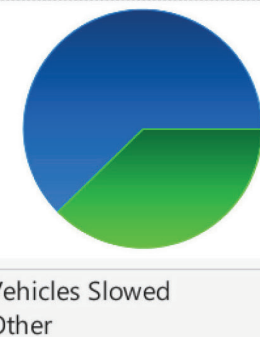
Minimum Speed: 5
Maximum Speed: 57
Display Status: Displayed Vehicle Speeds
Average Volume per Day: 2235.0
Total Volume: 15645

Hours	Sign Mode	Speed Limit	Total # Vehicles	Total # Violations	% Violations	Avg # Vehicles	Avg # Violations	Minimum Speed Recorded	Maximum Speed Recorded	Avg Spd	50% Spd	85% Spd	Sign Effectiveness
0:00	Speed	35	54.0	1.0	1.9 %	6.8	0.1	9.0	47.0	31.0	29.3	35.0	59.5 %
1:00	Speed	35	52.0	1.0	1.9 %	8.7	0.2	22.0	46.0	32.0	30.4	34.4	70.4 %
2:00	Speed	35	25.0	2.0	8.0 %	3.6	0.3	26.0	46.0	36.7	35.6	39.7	63.7 %
3:00	Speed	35	20.0	0.0	0.0 %	3.3	0.0	18.0	44.0	30.8	29.3	34.5	65.0 %
4:00	Speed	35	51.0	2.0	3.9 %	8.5	0.3	18.0	50.0	32.2	30.5	35.6	68.8 %

Volumes by Compliance



Sign Effectiveness



VOLUMES BY COMPLIANCE

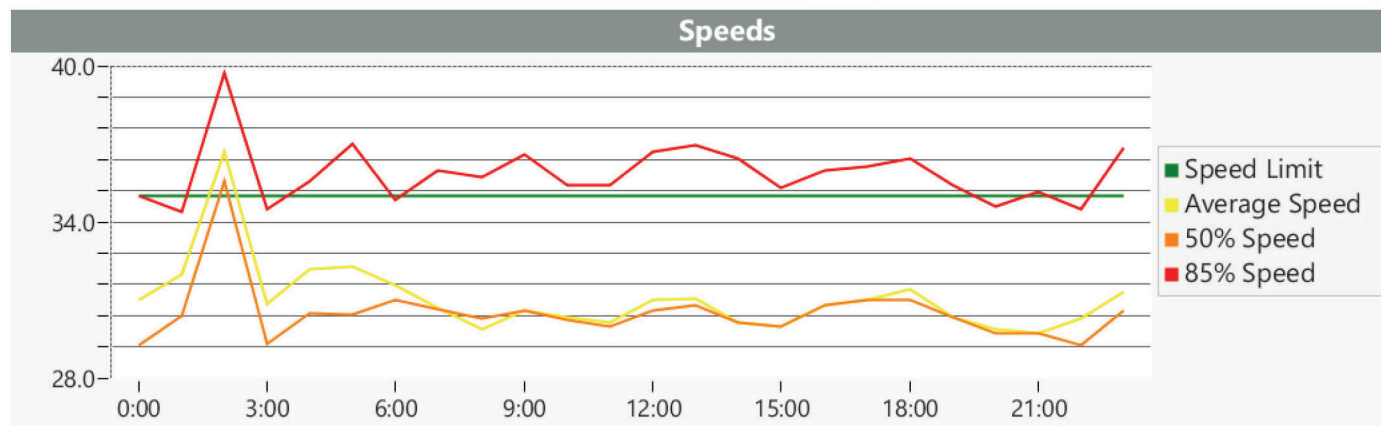
Traffic volume by compliance level by user-established threshold.

SIGN EFFECTIVENESS

Traffic sign effectiveness by percentage of vehicles slowed down.

SPEED LIMIT VS. AVERAGE SPEED

Actual speeds relative to the Speed Limit – 85%, 50% and Average. The 85th percentile speed is the speed under which 85% of the traffic is traveling.



ENFORCEMENT PRIORITIES REPORT

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

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Enforcement Priorities Report

Generated by Marketing Demo from All Traffic Solutions Traffic Study Account
on Aug 31, 20-- at 1:36:38 PM

Speed Bins: Size 0, Range 1 to 100

Rank Results By 85% Speed

Site: Beside Mt Nittany United Methodist
Church, NB

Time of Day: 0:00 to 23:59

Dates: 8/24/20-- to 8/30/20--

Violation Threshold: Speed Limit + 10

#	Site	Day of Week	Time	Speed Limit	Average Speed	Average Violator Speed	85% Speed	Average # Vehicles	Average # Violators
1	Beside Mt Nittany United Methodist	Saturday	12:00 - 13:00	35	32.0	47.0	40.0	124.0	4.0
2	Beside Mt Nittany United Methodist	Tuesday	5:00 - 6:00	35	32.0	0.0	39.0	20.0	0.0
3	Beside Mt Nittany United Methodist	Saturday	13:00 - 14:00	35	33.5	51.0	38.5	112.0	1.0
4	Beside Mt Nittany United Methodist	Sunday	17:00 - 18:00	35	31.0	0.0	38.0	150.0	0.0
5	Beside Mt Nittany United Methodist	Monday	6:00 - 7:00	35	33.0	0.0	38.0	42.0	0.0
6	Beside Mt Nittany United Methodist	Monday	23:00 - 24:00	35	33.0	49.0	38.0	20.0	1.0
7	Beside Mt Nittany United Methodist	Tuesday	23:00 - 24:00	35	32.0	48.0	38.0	26.0	1.0
8	Beside Mt Nittany United Methodist	Wednesday	14:00 - 15:00	35	31.0	48.0	38.0	258.0	1.0
9	Beside Mt Nittany United Methodist	Wednesday	21:00 - 22:00	35	32.0	47.0	38.0	81.0	3.0
10	Beside Mt Nittany United Methodist	Thursday	8:00 - 9:00	35	31.0	46.0	38.0	141.0	3.0

COMPLIANCE AND RISK REPORT

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

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Compliance And Risk Report

Generated by Marketing Demo from All Traffic Solutions Traffic Study Account

on Aug 31, 20-- at 1:35:04 PM

Speed Bins: Size 0, Range 1 to 100

Time View: By Hour (Avg Volumes)

Site: Beside Mt Nittany United Methodist
Church, NB

Time of Day: 0:00 to 23:59

Dates: 8/24/20-- to 8/30/20

Medium Risk Threshold: Speed Limit + 10

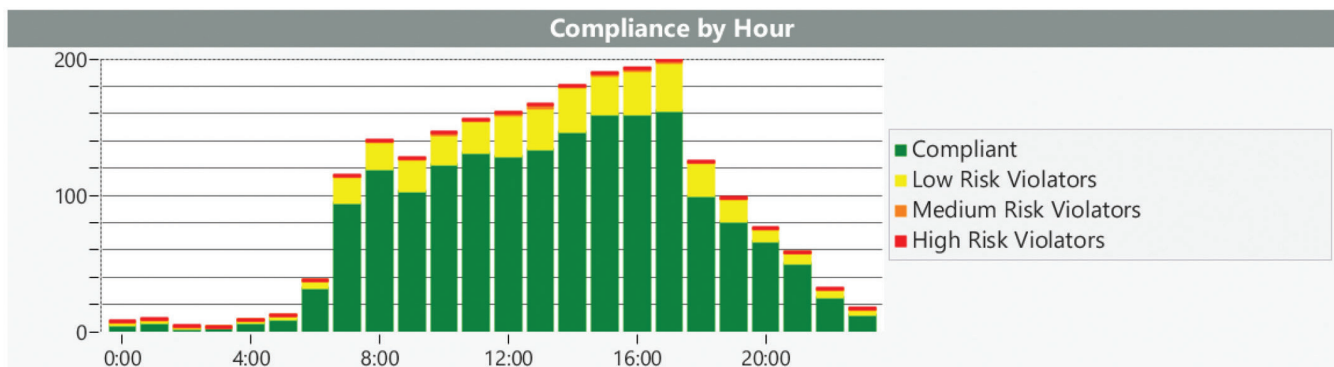
High Risk Threshold: Speed Limit + 20

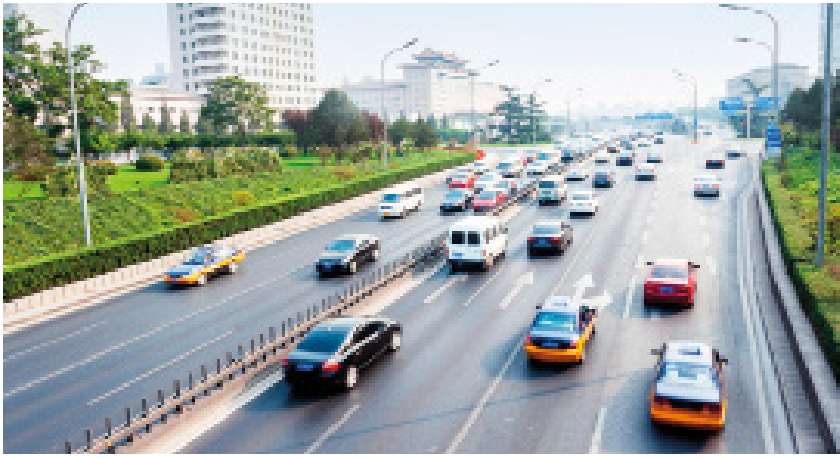
Date/Time Range	Speed Limit	Mode	Compliant	Low Risk	Medium Risk	High Risk	Total Num Vehicles
0:00	35	Speed Display	5	2	0	0	7
1:00	35	Speed Display	7	2	0	0	9
2:00	35	Speed Display	2	2	0	0	4
3:00	35	Speed Display	3	1	0	0	3
4:00	35	Speed Display	7	2	0	0	9
5:00	35	Speed Display	9	2	0	0	12
6:00	35	Speed Display	32	5	0	0	38
7:00	35	Speed Display	95	19	1	0	114
8:00	35	Speed Display	119	19	1	0	140
9:00	35	Speed Display	103	23	1	0	127

COMPLIANCE BY HOUR

Compliance by volume is most telling 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, so just a few cars can raise the percentage of non-compliance.





SPEEDEFFECTIVENESSREPORT

Shows the percentage of vehicles slowed by a radar sign at a specific location by time of day – average final speed range vs. change in speed – for four speed ranges.

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Speed Effectiveness Report

Generated by Marketing Demo from All Traffic Solutions Traffic Study Account

on Aug 31, 20-- at 1:20:16 PM

Speed Bins: Size 0, Range 21 to 100

Time View: By Day of Week (Avg Volumes)

Site: Beside Mt Nittany United Methodist
Church, NB

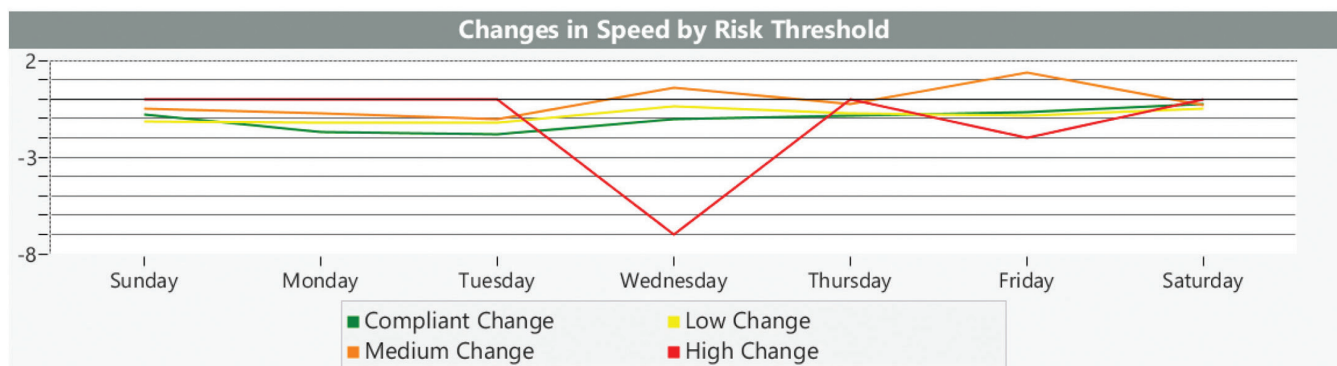
Time of Day: 0:00 to 23:59

Dates: 8/23/20-- to 8/29/20--

Medium Risk Threshold: Speed Limit + 10

High Risk Threshold: Speed Limit + 20

Date/ Time Range	Spd Li- mit	Sign Mode	Compliant Average Final Speed	Compliant Change In Speed	Low Risk Average Final Speed	Low Risk Change In Speed	Medium Risk Average Final Speed	Medium Risk Change In	High Risk Average Final Speed	High Risk Change In Speed	% of Vehicles Slowed by
Sunday	35	Speed Display	29.4	-0.8	38.4	-1.1	47.9	-0.5	0.0	0.0	63.3 %
Monday	35	Speed Display	29.5	-1.7	38.4	-1.2	48.4	-0.8	0.0	0.0	67.7 %
Tuesday	35	Speed Display	29.0	-1.8	38.7	-1.2	47.5	-1.0	0.0	0.0	66.2 %
Wednes	35	Speed Display	29.8	-1.0	38.4	-0.4	49.7	0.6	56.0	-7.0	58.7 %
Thursda	35	Speed Display	29.7	-0.9	38.6	-0.7	47.6	-0.3	0.0	0.0	56.0 %
Friday	35	Speed Display	29.6	-0.7	38.5	-0.9	47.9	1.4	57.0	-2.0	55.6 %
Saturda	35	Speed Display	29.9	-0.3	38.6	-0.5	48.1	-0.3	0.0	0.0	56.5 %



VOLUME BY SPEED REPORT

Traffic counts by speed range, full day and time of day over selected date range with 5-mph resolution.



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Volume By Speed Report

Generated by Marketing Demo from All Traffic Solutions Traffic Study Account

on Aug 31, 20-- at 1:44:14 PM

Speed Bins: Size 5, Range 1 to 100

Time View: By Day of Week (Avg Volumes)

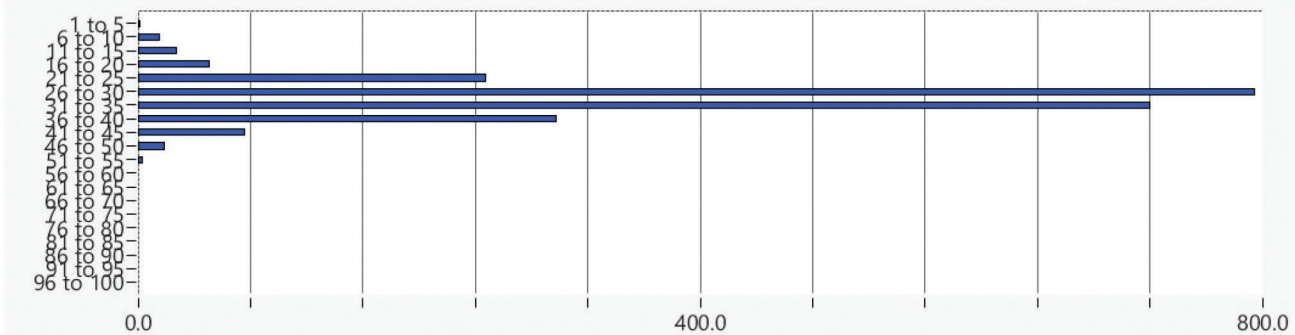
Site: Beside Mt Nittany United Methodist
Church, NB

Time of Day: 0:00 to 23:59

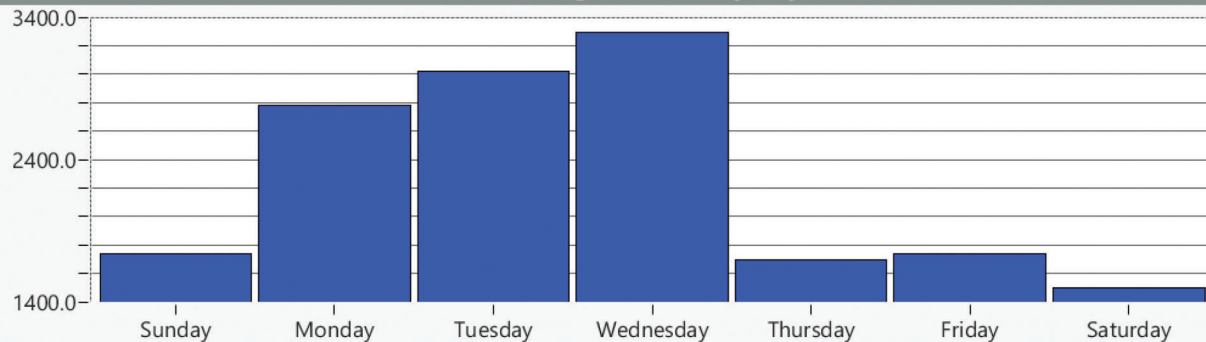
Dates: 8/24/20-- to 8/30/20--

Day of Week	Spd Limit	1 to 5	6 to 10	11 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 to 40	41 to 45	46 to 50	51 to 55	56 to 60	61 to 65	66 to 70	71 to 75	76 to 80	81 to 85	86 to 90	91 to 95	96 to 100	Avg Spd	Avg Num Vehicles
Sunday	35	0	11	33	80	216	537	555	219	62	20	1	0	0	0	0	0	0	0	0	0	30.7	1734
Monday	35	1	29	29	45	280	986	921	376	86	22	5	0	0	0	0	0	0	0	0	0	31.1	2780
Tuesday	35	0	19	36	79	416	1155	864	333	96	20	1	0	0	0	0	0	0	0	0	0	30.9	3019
Wednesday	35	2	27	38	47	374	1184	1057	431	105	24	3	0	0	0	0	0	0	0	0	0	31.1	3292
Thursday	35	0	7	20	37	134	618	561	229	70	14	2	0	0	0	0	0	0	0	0	0	31.2	1692
Friday	35	2	4	14	41	180	621	557	239	60	19	3	1	0	0	0	0	0	0	0	0	30.5	1741
Saturday	35	5	8	16	30	131	460	527	249	55	13	3	0	0	0	0	0	0	0	0	0	31.5	1497
Avg #		1	15	27	51	247	794	720	297	76	19	3	0	0	0	0	0	0	0	0	0	31	2251

Average Vehicles by Speed Bin



Average Volume by Day



VOLUME BY TIME REPORT

Average number of vehicles by date and time.

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Volume By Time Report

Generated by Marketing Demo from All Traffic Solutions Traffic Study Account

on Sep 6, 20-- at 12:22:57 PM

Speed Bins: Size 0, Range 1 to 100

Time View: By Date (Total Volumes)

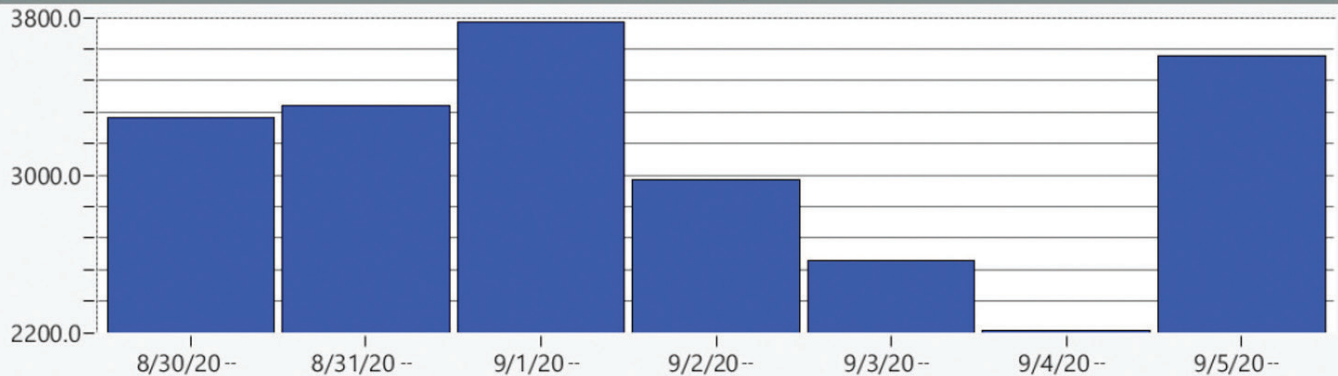
Site: Beside Mt Nittany United Methodist
Church, NB

Time of Day: 0:00 to 23:59

Dates: 8/30/20-- to 9/5/20--

Date	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Total Num Vehicles
8/30/20--	9	6	4	4	16	17	59	159	171	158	184	196	279	214	258	297	333	312	193	168	109	81	41	24	3292
8/31/20--	5	2	13	2	9	27	65	154	175	177	195	207	235	259	268	291	329	318	183	158	139	66	51	22	3350
9/1/20--	8	13	4	7	11	26	55	174	205	232	263	239	287	232	297	336	335	307	216	170	135	84	85	53	3774
9/2/20--	29	7	20	5	12	12	36	74	149	223	227	214	187	174	201	245	280	260	163	146	123	67	75	49	2978
9/3/20--	35	6	13	7	4	14	13	47	80	119	194	242	267	239	223	205	203	166	111	98	115	70	56	40	2567
9/4/20--	14	6	3	7	11	8	17	33	59	109	155	175	175	204	193	222	156	190	138	145	100	41	25	21	2207
9/5/20--	14	4	2	6	10	21	78	163	226	225	279	269	264	268	239	294	307	312	193	183	119	82	26	23	3607
Total #	114	44	59	38	73	125	323	804	106	124	1497	1542	1694	1590	1679	1890	1943	1865	1197	1068	840	491	359	232	21775

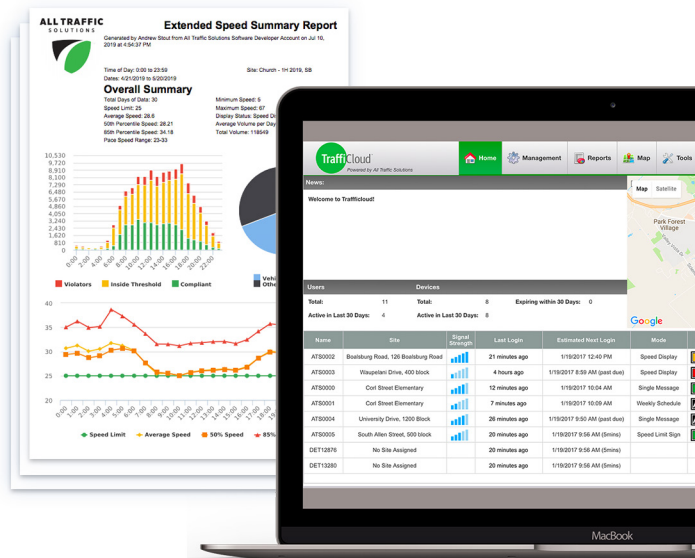
Volume By Date



Access All Your Traffic Safety Devices and Data in One Place with TrafficCloud®

TrafficCloud is patented, cloud-based software for managing all your traffic safety data and equipment securely from any internet connection.

Take a demo of TrafficCloud and discover the benefits of automated traffic management. Learn more at Alltrafficsolutions.com/solutions/trafficcloud



Equipment Management

- No more driving to equipment to monitor, check batteries or program
- Check status and change settings from any Internet-connected device
- Send a single message to multiple signs at once



Alerts

- Specify who to notify when certain conditions occur
- Know immediately about low batteries, high speeds, tampering, congestion and more



Mapping

- Manage your entire program through an intuitive visual interface
- Interactive map provides a window to all system information



Reporting

- Save time collecting, compiling and distributing information
- Identify trends to allocate resources and be proactive
- Schedule reports for recurring email delivery to whomever you designate



Image Management

- Achieve greater awareness with alarms or by requesting generated images*
- Capture images based on speed, tampering, time intervals or upon request
- Review, edit, print and act on useful images

*Images can be used to identify vehicle make and color but are not ALPR quality



Premier Care Support Plan

- Get a perpetual warranty and real-time remote diagnostics with your TrafficCloud subscription
- 50% discount on repairs due to accidental damage or vandalism
- 50% off equipment batteries

All Traffic Solutions products are made in the USA in compliance with both the Buy America Act and the Buy American Act. All Traffic Solutions is a BuyBoard vendor for the BuyBoard National Purchasing Cooperative. We can provide Sole Source documentation for any products connected to TrafficCloud. A complete list of purchase options can be found on our website.

For more information visit us online: AllTrafficSolutions.com

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