

## **SAFETY COMMITTEE MINUTES**

### **NOVEMBER 17, 2020**

The Safety Committee meeting was held on November 17, 2020, at North Royalton City Hall, 14600 State Road. The meeting was called to order at 7:29 p.m.

**PRESENT: Committee Members:** Chair Mike Wos, Vice Chair Joanne Krejci, Jeremy Dietrich; **Council:** Paul Marnecheck, Vincent Weimer; Linda Barath; Jessica Fenos **Administration:** Mayor Larry Antoskiewicz, Law Director Thomas Kelly, Fire Chief Robert Chegan, Police Chief Ken Bilinovich, Finance Director Eric Dean **Other:** Dawn Carbone McDonald, Michael McDonald, Dan Langshaw

### **APPROVAL OF MINUTES**

Moved by Mr. Wos, seconded by Mr. Dietrich to **approve the minutes for the October 20, 2020 Safety Committee meeting**. Yeas: 3. Nays: 0. **Motion carried.**

### **UNFINISHED BUSINESS**

#### **1. COVID -19 Local Response**

Mr. Chegan states unfortunately COVID has been front and center of our day-to-day operations, and this is really the report that you guys are looking forward to. Unfortunately, the increase that you are seeing is real. The Governor addressed us today, hit us with a curfew, and basically concerns with upcoming holidays which means mass gatherings. Those are still the two biggest concerns that we have moving forward. Utilization of masks and mass gathering. I did send an email out for just the numbers again. They are readily available on the sites; CDC, the Ohio Department of Health, and the Cuyahoga County Board of Health. We are experiencing more calls with positive COVID patients, our hospital volume is actually triple right now to what we experienced in the spring. We are all very concerned about that spike. If you remember back in the March/April time, they were talking about that we can have up to 8,000 cases a day, we are there. Our call volume is still higher than normal, we are right up to last year's numbers already. City wide we have to quarantine more people. Our PPE storage room that we have been putting together is complete. Yesterday, I picked up half of our \$6,500 FEMA AFG Grant that we applied for. Some of the equipment we acquired through the CARES ACT is the UV light.

#### **2. Police & Safety Report**

See attachments.

Chief Bilinovich states the deer hunting report was just updated yesterday. So far, we had 115 deer harvested in North Royalton during this deer hunting season, 112 of those with our hunting permit, 3 were with damage permits which the ODNR issues out. We are doing pretty well, there is still a lot of deer out there. 55 deer harvested in Ward 1, 9 deer harvested in Ward 2, 9 deer harvested in Ward 3, 9 deer harvested in Ward 4, 10 deer harvested in Ward 5 and 23 deer harvested in Ward 6. It goes until the second week in February.

### **NEW BUSINESS**

#### **1. American Heart Association – Mission Lifeline**

Chief Chegan states I have two guests with me here. Joe Toth, the EMS manager for University Hospitals of Parma Medical Center, he runs the EMS Division as well as the paramedic training program. Isaiah Hernandez has been with us for 3 years, he is one of our assistant EMS coordinators, Lt. Mike Kovelio is our

EMS coordinator, but I want to make sure that you understand, the EMS portion of what we do is about 6570% of what we do, day in and day out. We average about 10 calls a day, 8 of them are going to be EMS calls, some of them are going to be severe and some are not going to be serious. These are the guys that make sure that protocol is up to speed, that we are at the cutting edge of service, literally every single call we go on. We are in a very fortunate area that we have three of the best hospital systems right in our own backyard. We have our partnership with University Hospital. To achieve this level of service is what we are here about today, to show that our EMS guys whether it is Isaiah or Owen Lynch, who is our other assistant EMS coordinator or our Assistance Chief Habak who does Q&A every single day to make sure these runs are going perfect. As far as the American Heart Association Mission Lifeline award, the AHA has grown into the nation's oldest and largest voluntary organization dedicated to fighting heart disease and stroke, a shared focus on cardiovascular health unites more than 40 million volunteers and support more than there 28000 employees. The AHA also provides certification courses that is run through Joe's department at the hospital, such as, Advanced Cardiac Life Support, Pediatric Advance Life Support, Basic Life Support that our members as well as the doctors in the ER and Cath lab, has to pass every two years. Heart disease is the number one killer worldwide, followed right behind a stroke. Even when these conditions don't result in death, they cause disability and diminish quality of life. They provide us with the training, they provide us with the cutting-edge science to figure out what is going to be the next big thing in the EMS or emergency medicine. The mission life line is a program designed to showcase EMS organizations across the nation for excellence stemmy care. Mission Lifeline is not just about EMS, it is EMS centered, it is the whole patient experience. I presented this in 2018, we actually made the gold plus and that is the top level.

Mr. Toth states UH Parma Medical Center is proud of the outstanding we had with the City of North Royalton and the North Royalton Fire Department. We do have an excellent partnership with the Fire Department. Many patients would not have a good outcome without the excellent care of the Fire Department and their EMS personnel. The Fire Department stays current on medical science, they continuously train the EMS and Fire, they strive to be the best and they are the best in the state for sure. This is the first mission lifeline goal plus award that I am aware of being awarded, so it is really a true accomplishment. Congratulations to Chief Chegan and the North Royalton Fire Department.

Chief Chegan states throughout the years we asked for the support, you guys are looking at the financials, and again part of that is the most important part is your biggest assets. The biggest assets in our department is the guys in those uniforms. As much as my guys will say that they aren't really concerned with awards and they really aren't but they are really humble, they need to be recognized for the work that they do. I appreciate you putting this on the agenda.

#### **ADJOURNMENT**

Moved by Mr. Wos seconded by Ms. Krejci **to adjourn the November 17, 2020 meeting.** Yeas: 3 Nays: 0.  
**Motion carried.**

**Meeting adjourned at 8:07 p.m.**

11-02-2020

October statistics

ACCIDENTS:

FATAL	0
DEER	5
HIT SKIP	1
INJURY	1
NON INJURY	28
PRIVATE PROPERTY	5

PHYSICAL ARRESTS:	25
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SPEEDING TICKETS:	49
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THEFT COMPLAINTS:	48
(includes attempts)	

**NORTH ROYALTON POLICE DEPARTMENT****FILE NUMBER:** \_\_\_\_\_**DATE:** October 29, 2020**FROM:** Ptl. Jason Kimmel #5441**TO:** Chief Kenneth Bilinovich #5401**SUBJECT:** Speed Message Trailers / Speed Signs**COPIES TO:** Lt. Jim Cutler #5403

Chief Bilinovich,

Attached are documents reference speed message trailers vs. speed signs for possible purchase during the 2021 fiscal budget for the city of North Royalton. Quotes, specifications, and additional information is attached to each product. There are pros and cons to each product depending on the goals of this agency and city.

Any deployment, maintenance, records or otherwise would likely fall under the traffic unit's responsibility. Therefore, I have looked into these products carefully and spoke with various neighboring communities who have similar like products.

**Radar Speed Signs:**

A radar speed sign is an interactive sign, generally constructed of a series of LEDs, that displays vehicle speed as motorists approach. The purpose of radar speed signs is to slow cars down by making drivers aware when they are driving at speeds above the posted limits.

**Pros:** Units have a lower purchase cost & lower maintenance cost; lightweight and one person portable; quick setup either on a pole or post, easier to store when not in use.

**Cons:** Units have limited to no message sign capability for uses like OVI checkpoints, roadway closures, public information, ect.

**Radar Message Sign Trailers:**

Portable multipurpose radar message signs combine messages with radar feedback.

**Pros:** Give drivers immediate feedback by displaying messages specific to their speed ("Slow Down", "Too Fast!", "Have a Nice Day"); or display dedicated messages ("Flood Warning", "Amber Alert") depending on your needs at the time. Very visible to drivers.

**Cons:** Units have a higher purchase cost & maintenance cost; units are larger and heavier possibly requiring a two person setup; tow hitch setup required; larger area for storage when not in use. Curb lawn areas may be necessary in residential developments.

**Summary:**

It is my opinion that the radar message sign trailers are a nice option. However, based on the higher price of these units and other requirements, it is more practice to invest in the lower cost radar speed signs. This city can purchase between 2 or 3 radar signs and can cover more locations throughout this community over 1 radar message sign trailer. Should you or anyone else have questions or concerns, please let me know.

Respectfully submitted,  
Ptl. Jason Kimmel #5441





**Mail Purchase  
Orders to:**

3100 Research Dr.  
State College, PA  
16801

All Traffic Solutions Inc.  
12950 Worldgate Dr #310  
Herndon, VA 20170  
Phone: 814-237-9005  
Fax: 814-237-9006  
DUNS #: 001225114  
Tax ID: 25-1887906  
CAGE Code: 34FQ5

Contract:

**QUOTE Q-54770**

**DATE:** 10/26/2020

**PAG  
E  
NO:**  
1

**Questions  
contact:**

**MANUFACTURER:  
All Traffic Solutions**

Julie Styskin  
(866) 366-6602  
x 250  
jstyskin@alltrafficsolutions.co  
m

**Independent Sales Rep:**

**BILL TO:**

North Royalton Police Department-OH  
14000 Bennett Rd  
North Royalton OH 44133

Billing Contact:

**SHIP TO:**

North Royalton Police Department-OH  
14000 Bennett Rd  
North Royalton OH 44133  
Attn: Jason Kimmel

**PAYMENT  
TERMS:**  
Net 30

**CUSTOMER:** North  
Royalton Police  
Department-OH

**CONTACT:**440-582-6216 ext, 0

ITEM NO:	DESCRIPTION:	QTY:	EACH:	EXT. PRICE:
4000566	Shield 15 Speed Display; base unit w/ mounting bracket	1	\$3,195.00	\$3,195.00
4000647	App, Traffic Suite (12mo); Equip Mgmt, Reporting, Image Mgmt, Alerts, Mapping and PremierCare	1	\$1,500.00	\$1,500.00
4000767	Base Model CREDIT, speed display; requires min 1 yr TrafficCloud Traffic Suite	1	(\$600.00)	(\$600.00)
4000874	All Options Activation: Bluetooth, Traffic Data, Violator Alert, Pictures, (\$3000 Value, requires Traffic or Message Suite)	1	\$0.00	\$0.00
4000744	LFP Power kit, 16Ah battery (2), internal power controller, charger w/connector	1	\$795.00	\$795.00
4900063	Carrying Case; Sh15 softcase with storage pockets	1	\$150.00	\$150.00
4001299	3 Year Warranty	1	\$0.00	\$0.00
4001626	VZW communications prep	1	\$0.00	\$0.00
4000641	Shipping and Handling Common Carrier	1	\$60.00	\$60.00

Special Notes:

**SALES  
AMOUNT:**

\$5,100.00

Sh15 – 2 LFP batteries with charger – mount plate –

"YOUR SPEED" sign – All features activated perpetually (Bluetooth – Data – Strobe and Imaging) – 1 year of web services (TraffiCloud) to all 6 Apps (Remote Management – Imaging – Data – Alerts, Mapping and Premier Care warranty) – shipping and training. Carrying Case. 3- year warranty.

**TOTAL  
USD:**

**\$5,100.00**

Duration: This quote is good for 60 days from date of issue.

Shipping Notes: All shipments shall be FOB shipper. Shipping charges shall be additional unless listed on quote.

Taxes: Taxes are not included in quote. Please provide a tax-exempt certificate or sales tax will be applied.

Warranty: Unless otherwise indicated, all products have a one year warranty from date of sale. Warranty extensions are a component of some applications that are available at time of purchase. A Finance Charge of 1.5% per month will be applied to overdue balances. GSA GS-07F-6092R

Authorization: By Signing below, I indicate that my organization does not require a purchase order and I am authorized to commit my organization to this order.

Print Name, Title

Signature

Date



**Shield 15**





**Shield 15 with Strobe**



## Quotation

Date: 10/28/2020

1220 Kennestone Circle  
Suite 130  
Marietta, GA 30066

PROPOSED BY:		
Name	Charlie Robeson	FOR: A&A Safety
Phone	678-520-5152	Ethan Rogers
Fax	678-278-1256	216-854-0344

PROPOSED TO / SOLD TO:	SHIP TO:	
City of North Royalton Police Dept.	City of North Royalton Police Dept.	Account
14000 Bennett Road	14000 Bennett Road	Address
North Royalton, OH 44133	North Royalton, OH 44133	City, ST, Zip
440-759-0185	440-759-0185	Phone
<a href="mailto:ptkimmel@police.northroyalton.org">ptkimmel@police.northroyalton.org</a>	<a href="mailto:ptkimmel@police.northroyalton.org">ptkimmel@police.northroyalton.org</a>	Email
Jason Kimmel	Jason Kimmel	Attention

P. O. NUMBER		TERMS			F.O.B																								
					Marietta, GA																								
LINE #	QTY	PART #	DESCRIPTION	PRICE EACH	TOTALS																								
1	1	TC-400	Modular Battery Power Radar Sign - 11" Display	\$2,795.00	\$2,795.00																								
			11" LED display area - superbright amber with est. 100,000 hour life	Included																									
			Two 12V 20 amp hour Lithium Iron batteries, provides +/- 14 days operation	Included																									
			AC battery charger (8-10 hours for full charge) AA080	Included																									
			K Band radar, meets FCC Part 15 rules, detection range up to 1200 feet	Included																									
			24" w x 21" h YOUR SPEED faceplate with 3" lettering on one line, white reflective	Included																									
			Battery Housing (field accessible to swap batteries), holds 2 battery packs, lock included	Included																									
			Universal GoBracket mount (AA044) accepts bolting, banding or strapping to existing poles	Included																									
			Bashplate (provides the ultimate in vandal protection of sign)	Included																									
			Standard timers allow up to 5 settings per day	Included																									
2	0	TC-400W	Optional White strobe / simulated camera flash alert	\$90.00	\$0.00																								
			3	0		TC-400RB	Optional Red/Blue Strobe alert	\$90.00	\$0.00																				
							4	1		AA044	Additional Universal Mount 'Go' Bracket	\$50.00	\$50.00																
											5	0		RB033	Additional 20 Amp/Hour battery (provides +/- 7 days of operation on a full charge)	\$210.00	\$0.00												
															6	1		RW002	Two year warranty (includes parts & labor)	Included									
																			7	1		SS002	Turnaround time to repair after receipt, 10 business days						
																							StreetSmart Data Collection software license (per sign) 35 charts, graphs, and tables included. Provides weekly, daily, hourly, and 1/2 hour data on # of vehicles, # of speeders, average speeds, peak speeds, 50th & 85th percentile & more. Extended 30 day charts included for trend analysis.	\$275.00	\$275.00				
																							8	1		SH002	Ground Shipping for TC-400	\$95.00	\$95.00

Minimum re-stock fee: 15%

\* Quote valid for 60 days. Pricing does not include any international taxes, fees, or duties.

Sales Tax Rate: 0.000%

US State sales tax must be collected unless you provide a sales tax exempt form.

Grand Total: \$3,215.00

Authorized Signature

Print Name/Title

Date

Certified Quality System  
ISO 9001:2015100% MUTCD Compliant  
Radar Speed SignsProudly Engineered &  
Manufactured in the USA





## TC-400 Portable Radar Speed Sign

Reliable. Effective. Affordable

### Display and Radar Specifications

#### YOUR SPEED Faceplate

- 24"W x 21"H YOUR SPEED faceplate with 3" high lettering
- Ideal for roads with traffic speeds of 5-55 mph
- Manufactured with highest grade reflectivity backing
- Available in white, fluorescent yellow/green, safety orange, and yellow



TC-400 with 11" LED display

#### Speed Violator Alert

- 2 speeds of flashing LEDs to notify drivers that are exceeding the speed limit: slow flash or fast flash of actual speed
- Optional strobe alert choices include alternating red/blue alert, all red alert, all blue alert, or white alert (can flash as a strobe, or simulate a camera flash)



#### Radar

- Type: K Band, single direction Doppler radar, FCC part 15 compliant; no license required
- Sensor Range: Detects vehicles up to 1200 feet
- Beam Width: 12 degrees, +/- 2 degrees
- Operating Frequency: 24.125 GHz, +/- 50 MHz
- Accuracy: +/- 1.0 mph
- Speed Detection Range: 5 - 127 mph

### Power Specifications

- Battery Powered: Dual 12-volt, 20 amp hours, LiFePO4 battery packs, and 3A charger
- Power Consumption: < 2.5 amps (24w) at maximum intensity; Idle mode < 1/2 watt
- Batteries have internal short circuit, over current, under and over voltage protection
- Field exchangeable battery packs; weight 7 lbs. per pack
- Runs for +/- 2 weeks on two fully charged battery packs; 24 hour recharge period
- Modular design allows the battery packs to be easily swapped in the field for the extended use of the sign in a location
- Battery Status: Check battery charge levels and solar amperage via Wi-Fi

### Housing Specifications

#### Radar Speed Sign Housing:

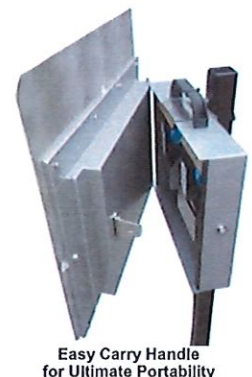
- Dimensions: 16.25"H x 22.75"W x 2.375"D
- Thickness: .185" thick aluminum with silver powder coat finish
- NEMA 3R level compliant; Humidity Maximum: 100%
- Detachable front and rear cabinet for maximum ease of use/portability; Allows sign to be locked to pole from inside the sign
- Provides maximum protection from the elements and vandalism

#### Stainless Steel Universal Mounting Bracket

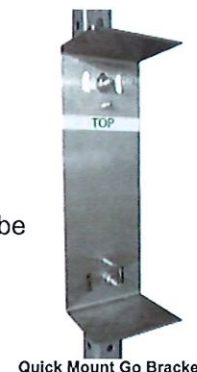
- 12.75"H x 4.5"W x 2.9"D
- Universal design allows strapping, banding, pipe clamps, or bolting to almost any size/style of pole
- When moving the TC-400 from one location to the next, with pre-installed brackets, NO TOOLS are required, and installation takes less than one minute

#### Battery Housing

- 12.5"H x 17"W x 3.625"D
- .1875" thick powder-coated aluminum
- Holds up to two 12 volt battery packs (field exchangeable)



Easy Carry Handle for Ultimate Portability



Quick Mount Go Bracket



Install in Minutes



## Housing Specifications (continued)

### Bashplate® with LED Cones

- Thick aluminum Bashplate® shields the LED display and protects electronic components from abuse and vandalism
- Directional beam technology: Individual holes for each LED focus and reflect light toward the road, providing the highest quality viewable display with minimum energy usage

### LEDs

- 2 digits, 11" high super bright amber LEDs (life up to 100,000 hours)
- Easily readable up to 450 feet
- Display brightness control: Automatic intensity adjustment to ambient light conditions for maximum visibility

### Polycarbonate Display Cover

- .25" thick protective sheet covers entire display area
- Abrasion, graffiti and shatter resistant; UV protection

## Weight and Operating Temperature

- Weight: Radar speed sign: 26 lbs. without batteries
- Operating Temperature: -40°F to +160°F

## Standard Features

### Standard Programming

- Setup functions: Easy to follow menu, no mechanical switches to operate
- Daily timers: Allow 4 on/off timer settings per day, also by day of week. Settings allow lower speed limits for school zone times and for late night display shutoff. (Optional Advanced Scheduler available with all models)
- Stealth mode: Display on-off feature allows traffic data collection continue even when the display is off
- "Possum Switch" activation feature allows the sign to "play dead" for 30 minutes if attacked with force
- Maximum speed cutoff: Prevents unwanted high speed displays; up to 99 mph; discourages "racing" of sign. Choice of flashing matrix, or LED display cutoff.

### Wi-Fi Enabled

- No internet required. Manage your radar speed sign with smart phone, tablet, or laptop.
- Allows for quick and easy sign operation/data download from most web enabled devices
- WPA2 encrypted security; Password protection
- Connection range up to 300 feet from sign

### OTA Software Updates (over-the-air)

- Allows the wireless delivery of software updates and upgrades directly to the radar speed sign

## Warranty

- 2 year warranty on parts and labor, 1 year on battery packs. Exceptions: Does not cover malicious abuse, theft, or damage due to unauthorized modification. Optional third year warranty extension available.

## Traffic Data Reporting

### StreetSmart (optional)

- Traffic data reporting software to report, organize and analyze speed and traffic data. The information collected by the radar speed sign is loaded into Excel™ ready .csv files, and can generate 35 charts and graphs.

### Radar Speed Sign Data Storage:

- System Storage Capacity: stores data on up to 5 million vehicles. Retains data for retrieval for 12 months



Certified Quality System  
ISO 9001:2015



MUTCD Compliant  
Radar Speed Signs



Proudly Engineered &  
Manufactured in the USA



# TRANS/INE RADAR SPEED TRAILER



*2 year warranty on  
electronic components,  
including batteries*

We proudly introduce the **Transline Radar Speed Trailer RT1** for the most rapid and diverse deployment of radar activated traffic control devices. This system is ideal for:

- Accident prone areas
- Construction zones
- Problem areas
- School zones
- Special event speed adjustments

Location choices are unlimited and not restricted to available poles, brackets, or power. In other words, if you can drive there, you can now manage that area's traffic's speeds.

## The Transline RT1's frame features are:

- Durable powder coating
- Simple, durable, and stable leveling on all four corners
- Removable and retractable tongue are designed to minimize the set footprint while offering enhanced security from theft and vandalism
- Limitless location choices. One trail available for every accessible location
- Heavy duty 2000# axles are overbuilt to endure everyday rigors.
- Highly mobile, lightweight, and simple to move, ensures drivers never become indifferent to or accustomed to its use in a single location

## The Radar Sign's features are:

- MUTCD compliant colors and faceplate
- 17" full matrix display is bright and crystal clear to address the widest range of speeds
- Up to two weeks operation on a fully charged system
- 1,200' vehicle detection starts working quickly to increase the range of effectiveness.
- Bluetooth wireless capable allows adjustment and extraction of relevant information safely from inside your vehicle. Traffic volume counts, speed counts, timing, and more, available via Bluetooth.
- Incredibly effective at speeds 20 to 75MPH

**Trailer dimensions:** 53" x 68" x 71" **Overall weight:** 400 lbs. **Height of display:** ???.



Transline Industries Companies • [www.translineinc.com](http://www.translineinc.com) • [sales@translineinc.com](mailto:sales@translineinc.com)

Trantex, Inc. • Houston, TX.  
281-448-7711

Centerline • Grand Prairie, TX.  
972-647-8300

FL. Transcor, Inc. • Jacksonville, FL  
904-783-3302





**Mail Purchase  
Orders to:**

3100 Research Dr.  
State College, PA  
16801

All Traffic Solutions Inc.  
12950 Worldgate Dr #310  
Herndon, VA 20170  
Phone: 814-237-9005  
Fax: 814-237-9006  
DUNS #: 001225114  
Tax ID: 25-1887906  
CAGE Code: 34FQ5

Contract:

**QUOTE Q-54769**

**DATE:** 10/26/2020

**PAG  
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NO:**  
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**Questions**

**contact:**

**MANUFACTURER:**  
**All Traffic Solutions**

Julie Styskin  
(866) 366-6602  
x 250  
jstyskin@alltrafficsolutions.co  
m

**Independent Sales Rep:**

**BILL TO:**

North Royalton Police Department-OH  
14000 Bennett Rd  
North Royalton OH 44133

Billing Contact:

**SHIP TO:**

North Royalton Police Department-OH  
14000 Bennett Rd  
North Royalton OH 44133  
Attn: Jason Kimmel

**PAYMENT  
TERMS:**  
Net 30

**CUSTOMER:** North  
Royalton Police  
Department-OH

**CONTACT:**440-582-6216 ext, 0

ITEM NO:	DESCRIPTION:	QTY:	EACH:	EXT. PRICE:
4001299	3 Year Warranty	1	\$0.00	\$0.00
4000743	LFP Power kit, 10Ah battery (2), internal power controller, charger w/connector	1	\$595.00	\$595.00
4900055	Carrying Case; Sh12 softcase with storage pockets	1	\$150.00	\$150.00
4001626	VZW communications prep	1	\$0.00	\$0.00
4000561	Shield 12 Speed Display; base unit w/ mounting bracket	1	\$2,995.00	\$2,995.00
4000647	App, Traffic Suite (12mo); Equip Mgmt, Reporting, Image Mgmt, Alerts, Mapping and PremierCare	1	\$1,500.00	\$1,500.00
4000767	Base Model CREDIT, speed display; requires min 1 yr TrafficCloud Traffic Suite	1	(\$600.00)	(\$600.00)
4000874	All Options Activation: Bluetooth, Traffic Data, Violator Alert, Pictures, (\$3000 Value, requires Traffic or Message Suite)	1	\$0.00	\$0.00
4000750	App, Mobile User Interface perpetual license (only 1 req'd per account)	1	\$0.00	\$0.00
4000641	Shipping and Handling Common Carrier	1	\$50.00	\$50.00

Special Notes:

**SALES  
AMOUNT:**

\$4,690.00

Sh12 – 2 LFP batteries with charger – mount plate –  
“YOUR SPEED” sign – All features activated perpetually  
(Bluetooth – Data – Strobe and Imaging) – 1 year of web  
services (TraffiCloud) to all 6 Apps (Remote Management  
– Imaging – Data – Alerts, Mapping and Premier Care  
warranty) – shipping and training. Carrying Case. 3- year  
warranty.

**TOTAL  
USD:**

\$4,690.00

Duration: This quote is good for 60 days from date of issue.

Shipping Notes: All shipments shall be FOB shipper. Shipping charges shall be additional unless listed on quote.

Taxes: Taxes are not included in quote. Please provide a tax-exempt certificate or sales tax will be applied.

Warranty: Unless otherwise indicated, all products have a one year warranty from date of sale. Warranty extensions are a component of some applications that are available at time of purchase. A Finance Charge of 1.5% per month will be applied to overdue balances. GSA GS-07F-6092R

Authorization: By Signing below, I indicate that my organization does not require a purchase order and I am authorized to commit my organization to this order.

Print Name, Title

Signature

Date









**Shield 12 with Your Speed Wrap (additional cost)**







**SPEED  
LIMIT  
25**

**YOUR  
SPEED**

**34**







**Mail Purchase  
Orders to:**

3100 Research Dr.  
State College, PA  
16801

All Traffic Solutions Inc.  
12950 Worldgate Dr #310  
Herndon, VA 20170  
Phone: 814-237-9005  
Fax: 814-237-9006  
DUNS #: 001225114  
Tax ID: 25-1887906  
CAGE Code: 34FQ5

Contract:

**QUOTE Q-54768**

**DATE:** 10/26/2020

**PAGE  
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**Questions**

**contact:**

**MANUFACTURER:**  
**All Traffic Solutions**

Julie Styskin  
(866) 366-6602  
x 250  
jstyskin@alltrafficsolutions.co  
m

**Independent Sales Rep:**

**BILL TO:**

North Royalton Police Department-OH  
14000 Bennett Rd  
North Royalton OH 44133

Billing Contact:

**SHIP TO:**

North Royalton Police Department-OH  
14000 Bennett Rd  
North Royalton OH 44133  
Attn: Jason Kimmel

**PAYMENT  
TERMS:**  
Net 30

**CUSTOMER:** North  
Royalton Police  
Department-OH

**CONTACT:** 440-582-6216 ext, 0

ITEM NO:	DESCRIPTION:	QTY:	EACH:	EXT. PRICE:
4000275	Solar panel, 60W; includes bracket for ATS-5 trailer and harness	1	\$895.00	\$895.00
4001299	3 Year Warranty	1	\$0.00	\$0.00
4000758	Trade-in CREDIT: ATS Unit, RSD purchase, requires one year TrafficCoud service	1	(\$1,000.00)	(\$1,000.00)
4000765	Mount Kit, adaptable trailer mounting for Sh15 or SA18 on ATS-5, incl: power adapter harness and hardware	1	\$100.00	\$100.00
4001626	VZW communications prep	1	\$0.00	\$0.00
4000741	SpeedAlert 18 Radar Message Sign (RMS); base unit w/ mounting bracket	1	\$3,600.00	\$3,600.00
4000647	App, Traffic Suite (12mo); Equip Mgmt, Reporting, Image Mgmt, Alerts, Mapping and PremierCare	1	\$1,500.00	\$1,500.00
4000874	All Options Activation: Bluetooth, Traffic Data, Violator Alert, Pictures, (\$3000 Value, requires Traffic or Message Suite)	1	\$0.00	\$0.00
4000793	Violator Strobe, Dual; Hardware for SpeedAlert 18, flash helps draw attention to the driver's speed. Requires color assignment PN.	1	\$300.00	\$300.00
4000826	Strobe Color: Red and Blue (Requires 4000793 Dual Violator Strobe)	1	\$0.00	\$0.00

4000173	Trailer, ATS-5 (select power separately)	1	\$3,950.00	\$3,950.00
4000750	App, Mobile User Interface perpetual license (only 1 req'd per account)	1	\$100.00	\$100.00
4000635	Trailer Battery kit for ATS-5, 235Ah deep cycle batteries w/cover, hold down, cables& hdwr (Sh12; Sh15; SA18; ATS5; iA18)	1	\$495.00	\$495.00
4000740	Trailer Certificate of Origin	1	\$0.00	\$0.00
4000754	USB cable, 16ft, extra long for trailer or pole	1	\$0.00	\$0.00
4000641	Shipping and Handling Common Carrier	1	\$600.00	\$600.00

Special Notes:

**SALES  
AMOUNT:**

\$10,540.00

SA18 – Combined Radar and message sign – Trailer mounted with 60 watt solar assist – all features activated perpetually (Bluetooth – Data and imaging) 1 year of web services (TraffiCloud) to all 6 Apps (Remote Management – Imaging – Data – Alerts, Mapping and Premier Care warranty) – shipping and training. Red/Blue Flashers. 3 year warranty.

**TOTAL  
USD:**

\$10,540.00

Duration: This quote is good for 60 days from date of issue.

Shipping Notes: All shipments shall be FOB shipper. Shipping charges shall be additional unless listed on quote.

Taxes: Taxes are not included in quote. Please provide a tax-exempt certificate or sales tax will be applied.

Warranty: Unless otherwise indicated, all products have a one year warranty from date of sale. Warranty extensions are a component of some applications that are available at time of purchase. A Finance Charge of 1.5% per month will be applied to overdue balances. GSA GS-07F-6092R

Authorization: By Signing below, I indicate that my organization does not require a purchase order and I am authorized to commit my organization to this order.

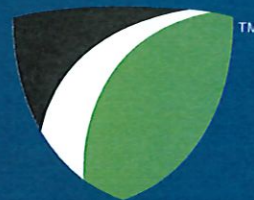
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Print Name, Title

Signature

Date



**PRODUCT SPECIFICATIONS:****SPEEDALERT 18 RADAR  
MESSAGING SIGN****SpeedAlert Radar Message Sign**

- **SpeedAlert 18 (SA18):** 18" x 28" full matrix  
(SpeedAlert 24 (SA24) 24" x 60" full matrix also available – see separate SpeedAlert 24 Spec Sheet)
- Size and weight without battery
  - o 30"x20" x 2.74" (without Your Speed sign), 29 lbs
- Full matrix display
- **Universal mounting system:** Attach to pole, trailer or vehicle hitch mount
- Integral camera for awareness and alert triggered images: 640 x 480 pixel daylight images
- Internal K band radar with adjustable sensitivity
- Meets MUTCD Specifications

**SpeedAlert Operation Modes**

- **Message Mode:** Display one message, up to 6 screens
- **All Messages:** Sequence all messages in sign memory
- **Speed Display:** Display approaching vehicle's speed
- **Dependent Message:** Display targeted messages based upon vehicle's speed, up to six screens per message
- Changeable speed limit sign
- **Stealth or Display Off:** Collect traffic speed and volume data with no LED display, 'YOUR SPEED' sign easily removed
- **Schedule:** Change message and/or mode up to 13 times/day
- Collect vehicle volume by speed and time data in all modes
- Sign returns to last mode and configuration when power applied

**SpeedAlert Programming Methods****On-Board Programming (standard on all units)**

- Select operation mode
- Set Speed Limit
- Select message from sign's memory

**TraffiCloud™ Web-based Remote Management Services:**

Remote Management using integral cell modem  
(See [TraffiCloud specification for more information](#)):

- Turnkey system. Remote connectivity functional upon ship. Unit connects to TraffiCloud Service when sign powered
- Fully hosted web-based management system
  - o Internet connected computer with browser provides anywhere access on all connected devices with browser
  - o No IT involvement or support necessary. System bypasses customer network eliminating access issues
  - o Cellular provided by ATS, no separate cellular charges
  - o Hosted database requires no setup or maintenance by customer

**Apps – All apps included in Traffic Suite:**

- **Equipment Management:** Online sign management - Change messages and settings remotely
- **Reporting:** Online data retrieval, management and analysis, Enhanced report generation
- **Image Management:** Online image retrieval and management of images from sign's internal camera
- **Alerts:** Notifications for low battery and tampering, high speed and congestion; Alerts can include images
- **Mapping:** Visually manage equipment and data
  - o PremierCare perpetual warranty

**ATS PC Sign Manager**

Local Management using PC with USB connection standard with all signs, Bluetooth optional

- PC based client software
- Connect to sign via USB or Bluetooth (optional)



### ATS Android App: Local Management (Optional):

- Android OS wireless Bluetooth control local to unit
- Android device can be phone or WiFi device with Bluetooth

### Local Management Features: (PC and Android)

- Create and change messages, modes and settings
- Local data retrieval and management
- Local image retrieval and management from sign's internal camera
- Manage all unit settings, automatic sync with TrafficCloud Web-based Remote Management Service if subscribed
- All traffic data and messages saved for online management and backup
  - o Retrieve data and save to TrafficCloud at no cost, generate limited reports online from hosted data. Extended reports available with TrafficCloud subscription
  - o Create message and save to TrafficCloud library, messages available on all ATS Android App or PC Sign Manager devices with TrafficCloud subscription

### SpeedAlert Messages

- **SA18:** 1-2 line messages
  - o **1 line:** 10 1/4" H x 5.75" W characters, four per line
  - o **2 lines:** 7" H x 4" W characters, six per line
- Up to 6 screens per message
- Full graphics capability, each LED individually controllable
- Variable display time, flash and reverse rates for each screen
- Scroll through 25 user defined onboard messages using selector buttons built into sign, no training necessary
- Ability to sequence messages for up to 144 screen animation
- Message power efficiency calculator in software
- Actual sign preview and unlimited message storage using TrafficCloud Web-based Remote Management Service, ATS PC Sign Manager or ATS Android app
- Messages on sign retained when power removed
- Sign returns to last message when power applied
- Conditional Messaging – Accept local or remote data and dynamically display messages driven off data, and/or incorporate into messages

### SpeedAlert Programming

Configure the following parameters via TrafficCloud Web-based Management System, ATS Android app or PC Sign Manager

- **Messages**
  - o Create and load message using 'Display Now' feature
  - o Load 24 messages into sign's memory
  - o Scroll messages in sign's memory
  - o Display signs stored in TrafficCloud Web, ATS Android app or PC Sign Manager
- **Speeds**
  - o Speed limit
  - o Maximum speed displayed
  - o Display on/off/specific mph activation
  - o Radar sensitivity (range)
  - o **Speed limit sign operation:** Change speed limit up to 13 times per day schedule
  - o Metric capable display with hundreds digit
  - o Set time via PC, Android or sync with cell signal (TrafficCloud)
  - o Sign firmware field and remotely upgradeable

### Speed Dependent Message System

- Different messages for each of five speed ranges
  - o No cars
  - o Cars <= speed limit
  - o Cars > Speed Limit, < x
  - o Cars > x < upper speed
  - o Cars > upper speed
- Ranges dependent on speed limit setting only, so simple speed limit change adjusts all dependent message ranges
- Independent maximum speed displayed setting
- Speed dependent messages can be any SA18 messages, including:
  - o 'YOUR SPEED' screen, 18" speed display digits
  - o 'SPEED LIMIT' screen, 18" speed limit display digits

### Scheduling

- **All Days, Multiple Messages:** Schedule up to 50 different messages or modes for up to 13 different time periods in a 24 hour day, repeats in each 24 hour cycle
- **Seven Day, Multiple Messages:** Schedule different messages or modes for up to 13 different time periods in each 24 hour day for each of seven days, repeats in each seven day cycle; up to 50 different messages can be used over the seven day period



- All messages and scheduling reside on the sign – no external hardware necessary
- Program schedule via TrafficCloud Web, ATS Android app or ATS PC Sign Manager, Save to load onto multiple signs
- Camera activation controlled in schedule windows
- Internal real time clock, time and schedule maintained with power disconnected

### SpeedAlert Data Logging Option

- Traffic reports generated using TrafficCloud Web-based Reporting app
- Collect data automatically with TrafficCloud Remote Management or locally with ATS Android app or PC Sign Manager
- Reports include tables and charts to address all constituents with the most applicable data presentation
- All reports exportable to excel, csv and pdf
- Automatic Data Collection – TrafficCloud Web
  - Data retrieval every 15 minutes – near real time reporting, memory never full
  - All data in one database for analysis filtered by location, date and time
  - Access reports from interactive map view by location
- **Local Data Collection:** ATS Android app or PC Sign Manager
  - All data hosted in online database for anywhere access
  - Download traffic data from sign with USB or Bluetooth connection
  - 30 days of high volume data minimum storage on sign, Data collection rolls over when memory reaches capacity
- **Reports, Local Data Collection:**
  - Summary page with average and 85th percentile speed, average daily volume, 10 mph pace speed, high and low speed, display mode
  - Traffic counts by speed range, full day and time of day over selected date range with 5 mph resolution
  - Vehicle counts by time range per day by hour
  - Vehicle counts by speed range and time of day
- Reports, automatic data collection (TrafficCloud Web-based Management Services)
  - Enhanced Summary with detail charts and graphs
  - Compliance by speed range with 3 ranges
- Enforcement report showing highest speed and volume violators over selected locations
- Effectiveness report showing program performance

### Construction

- **'YOUR SPEED' sign**
  - High intensity prismatic reflective background
  - 24" x 8"
  - 3.5" high MUTCD 'C' letters
- **LED Pixels:** Amber 595nm, 30 degree viewing angle, 100,000 hours, black background, (MUTCD compliant)
- **LED Density:** 0.6"x1" pitch, 18 x 48 pixel matrix
- **Radar:** K Band (24.15 GHz), FCC Certified, no license required, +-1 mph accuracy, 12 degree square pickup area, range: 1500+ ft., 5-105 mph (8-150 kph)
- Conformal coating on all circuit boards
- Integral handle
- Weatherproof, NEMA 4, IP65 sealed
- ¼" Tinted, non-glare, UV stabilized polycarbonate face
- Drip proof, vented battery compartments (2)
- Aluminium chassis, 14 ga, white powder coat finish, black powder coat front for maximum contrast for display visibility
- Tamper resistant mounting hardware system, hardware, controls and battery access secured behind enclosure lock
- -40 to 160 F operating temperature range, 95% humidity non-condensing (-20F for Bluetooth communication, 5F for internal camera)

### SpeedAlert Power

- **Power Input, Max:** 12 VDC, 3 A max, 36 W max
- Power saving circuitry and automatic dimming for ambient light conditions with adjustable dimming range and manual display brightness override
- **SpeedAlert 18 Power Options:**
  - 16Ah LFP battery with built-in short circuit and reverse polarity protection circuitry; 1.5A 12.8 VDC output, 120VAC input automatic charger; Capacity for up to 2 batteries in unit for extended portable use
  - Solar panel assist: 40W or 60W solar panel and bracket, Solar controller panel with 26Ah lead acid battery; 6A 120VAC automatic charger optional
  - 100-220VAC AC power supply (6A 12VDC) in external NEMA 4 enclosure



## Compatible with these ATS Products

Engineered and manufactured in the United States of America

- 1+2. SpeedAlert 18 Pole Mount
3. SpeedAlert 18 on ATS-5 Trailer
4. SpeedAlert 18 with Full Wrap Your Speed Sign (White or Red)



- o ATS-5 Trailer (batteries with optional solar assist: 235 or 470 Ah battery system, 40 or 60W solar option)
- o ATS-3 Trailer, 100Ah battery and 40W solar option
- Battery level indicator on sign, ATS Android app, ATS PC Sign Manager or TrafficCloud Remote Management
- Auto recovery for battery with solar

### Standard SpeedAlert System Components

- SpeedAlert Radar Message Display SA18
- Tamper resistant mounting plate and hardware
- Key
- On-board controls
- ATS PC Sign Manager software with USB cable

### Optional SpeedAlert Components and Features

- TrafficCloud Web-Based Remote Management Service
- ATS Android app, Bluetooth connectivity
- Padded carrying case
- Extra mounting brackets
- Speed activated relay closure
  - o 7A, 30VDC or 7A 120VAC max, 100mA 5VDC min, no power supplied, simply a contact closure
  - o Trigger relay at specified speed with configurable duration from 1 to 10 seconds per radar event
- **Tamper Alarm:** ATS-5 or ATS-3 trailer

### SpeedAlert Mounting Options

- Pole mount standard with included bracket, hardware
- NCHRP 350 approved on 4" pole (Letter SS-135)
- ATS-5 Trailer (refer to ATS-5 specifications for more information)

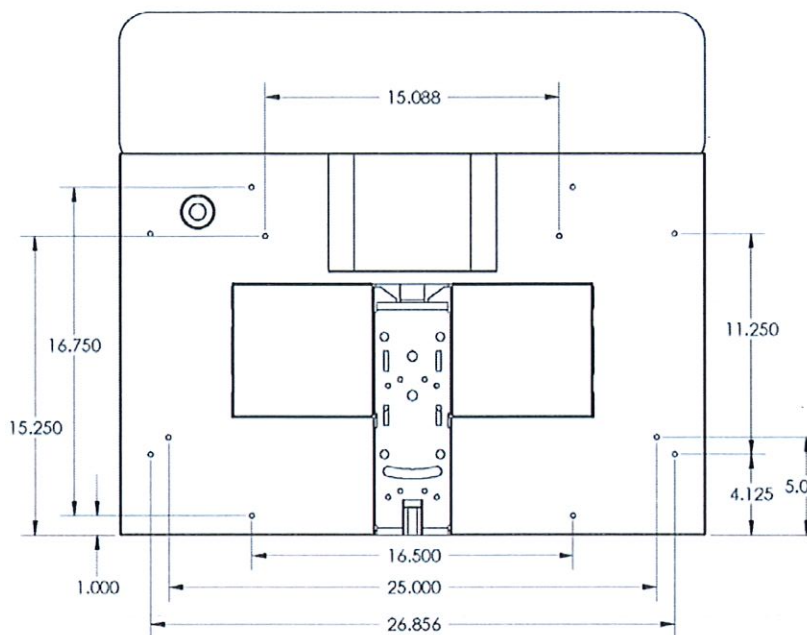
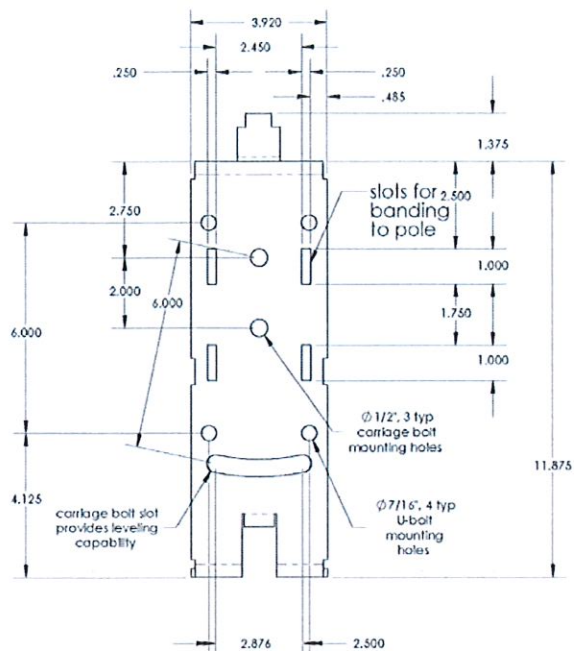
- ATS-3 Trailer (refer to ATS-3 specifications for more info)
- **Vehicle Hitch Mount**
  - o Mounts sign 30" to bottom of sign from receiver tube (final height dependent on receiver height)
  - o Fits 1 1/4" or 2" receiver, adapter included, 1/2" hitch pin
  - o Locking rotation adjustment on 15 degree increments over 180 degrees, +/- 5 degrees tilt
  - o White powder coat finish with rear reflector
- **Standard Folding Portable Post**
  - o Folds for easy storage and portability
  - o **IA18:** 60" to 73" to bottom, 80" to 93" to top of sign depending on leg positions
- Mounting provisions for permanent applications with 1/4-20 threaded holes

### Warranty

- 1-year warranty (three months on Li-Ion batteries)
  - o Product software upgrades free
- PremierCare, included with TrafficCloud Web Subscription
  - o Perpetual warranty for the duration of subscription
  - o Accessories, vandalism and accidental damage (non-warranty) at 50% off list price

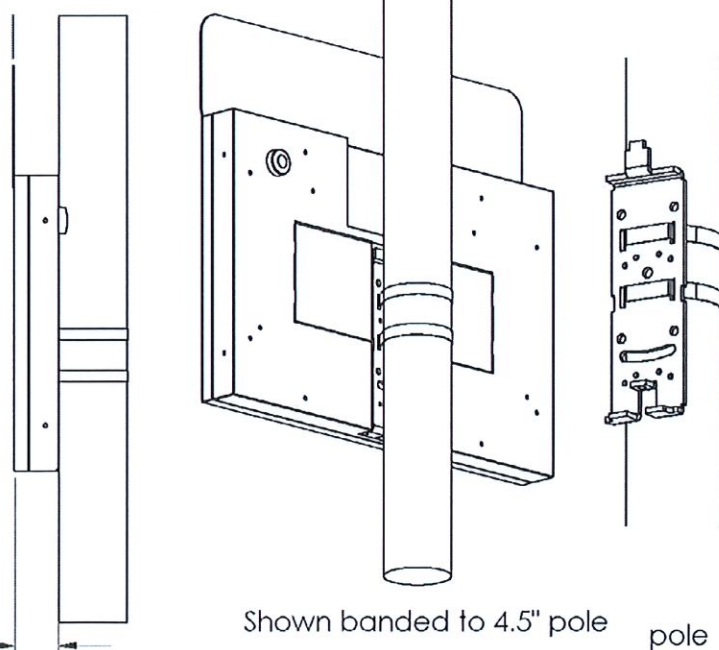
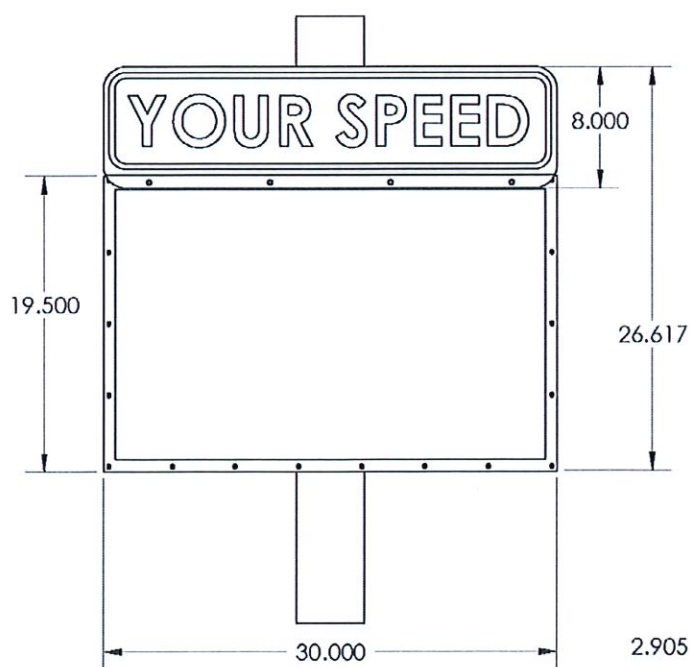


## SpeedAlert 18 Mounting Bracket and Mounting Holes



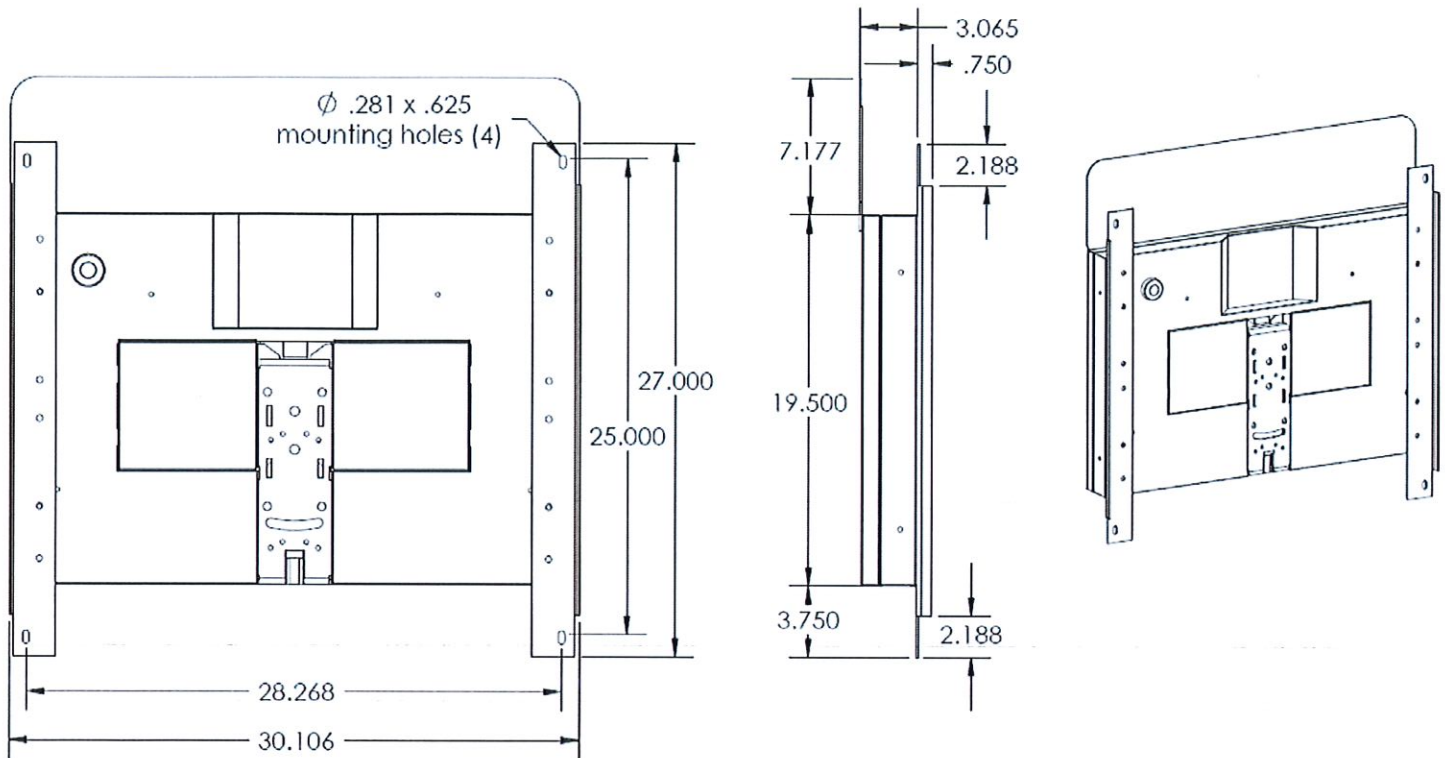
Additional Mounting Provisions:  
1/4-20 thread, captive nuts

## SpeedAlert 18 Dimensions



Shown banded to 4.5" pole pole

## SpeedAlert 18 with Trailer Mounting Brackets Installed – for Installation on Existing Trailers for Trade In



**All Traffic Solutions** 12950 Worldgate Drive, Suite 310, Herndon, VA 20170  
 Phone 866.366.6602 | [sales@alltrafficsolutions.com](mailto:sales@alltrafficsolutions.com) | [AllTrafficSolutions.com](http://AllTrafficSolutions.com)

©All Traffic Solutions  
 TrafficCloud leverages our patented technology (US Patents 8,417,442; 8,755,990; 9,070,287; 9,411,893) to deliver unique cloud-based management, features and functionality.

## SPEED ALERT 18 RADAR MESSAGE TRAILER









**SPEED ALERT 18 RADAR MESSAGE TRAILER WITH RED/BLUE FLASHERS  
(OPTIONAL ACCESSORY)**







**Mail Purchase  
Orders to:**

3100 Research Dr.  
State College, PA  
16801

All Traffic Solutions Inc.  
12950 Worldgate Dr #310  
Herndon, VA 20170  
Phone: 814-237-9005  
Fax: 814-237-9006  
DUNS #: 001225114  
Tax ID: 25-1887906  
CAGE Code: 34FQ5

Contract:

**QUOTE Q-54767**

**DATE:** 10/26/2020

**PAG  
E  
NO:**  
1

**Questions  
contact:**

**MANUFACTURER:  
All Traffic Solutions**

Julie Styskin  
(866) 366-6602  
x 250  
jstyskin@alltrafficsolutions.co  
m

**Independent Sales Rep:**

**BILL TO:**

North Royalton Police Department-OH  
14000 Bennett Rd  
North Royalton OH 44133

Billing Contact:

**SHIP TO:**

North Royalton Police Department-OH  
14000 Bennett Rd  
North Royalton OH 44133  
Attn: Jason Kimmel

**PAYMENT  
TERMS:**  
Net 30

**CUSTOMER:** North  
Royalton Police  
Department-OH

**CONTACT:**440-582-6216 ext, 250

ITEM NO:	DESCRIPTION:	QTY:	EACH:	EXT. PRICE:
4001299	3 Year Warranty	1	\$0.00	\$0.00
4000879	Violator Strobe, Red and Blue for ATS-5 for use with SA24	1	\$600.00	\$600.00
4000859	Trade-in CREDIT: ATS Unit, RMS purchase, requires one year TrafficCoud service	1	(\$1,000.00)	(\$1,000.00)
4001626	VZW communications prep	1	\$0.00	\$0.00
4100557	hrns, Power cord, iA w/ quick connects for trailer	1	\$0.00	\$0.00
4000275	Solar panel, 60W; includes bracket for ATS-5 trailer and harness	1	\$895.00	\$895.00
4000745	SpeedAlert 24 Radar Message Sign (RMS); base unit (select mount separately)	1	\$8,800.00	\$8,800.00
4000647	App, Traffic Suite (12mo); Equip Mgmt, Reporting, Image Mgmt, Alerts, Mapping and PremierCare	1	\$1,500.00	\$1,500.00
4000874	All Options Activation: Bluetooth, Traffic Data, Violator Alert, Pictures, (\$3000 Value, requires Traffic or Message Suite)	1	\$0.00	\$0.00
4000173	Trailer, ATS-5 (select power separately)	1	\$3,950.00	\$3,950.00



4000750	App, Mobile User Interface perpetual license (only 1 req'd per account)	1	\$100.00	\$100.00
4000636	Trailer Battery kit for ATS-5, 470Ah deep cycle batteries w/cover, hold down, cables& hdwr (IA24, SA24)	1	\$990.00	\$990.00
4000740	Trailer Certificate of Origin	1	\$0.00	\$0.00
4000754	USB cable, 16ft, extra long for trailer or pole	1	\$0.00	\$0.00
4000641	Shipping and Handling Common Carrier	1	\$600.00	\$600.00

Special Notes:

**SALES  
AMOUNT:**

\$16,435.00

SA24 – Combined Radar and message sign – trailer mounted with 60 watt solar assist – all features activated perpetually (Bluetooth – Data and imaging) 1 year of web services (TraffiCloud) to all 6 Apps (Remote Management – Imaging – Data – Alerts, Mapping and Premier Care warranty) - shipping and training. 3- year warranty.

**TOTAL  
USD:**

\$16,435.00

Duration: This quote is good for 60 days from date of issue.

Shipping Notes: All shipments shall be FOB shipper. Shipping charges shall be additional unless listed on quote.

Taxes: Taxes are not included in quote. Please provide a tax-exempt certificate or sales tax will be applied.

Warranty: Unless otherwise indicated, all products have a one year warranty from date of sale. Warranty extensions are a component of some applications that are available at time of purchase. A Finance Charge of 1.5% per month will be applied to overdue balances. GSA GS-07F-6092R

Authorization: By Signing below, I indicate that my organization does not require a purchase order and I am authorized to commit my organization to this order.




Print Name, Title

Signature

Date





# SPEEDALERT 24 RADAR MESSAGE SIGN

## SpeedAlert 24 Radar Message Sign

- SpeedAlert 24 (SA24): 24" x 60" full matrix
- SpeedAlert 18 (SA18): 18" x 28" full matrix (see separate SpeedAlert 18 spec sheet)
  - Weight without battery: 43 lbs
  - Open: 28" x 60" x 1 5/8"
  - Folded Dimensions: 28" x 30" x 3.25"
  - Folds to fit in police cruiser trunk
- Full matrix display
- Universal mounting system: attach to pole, trailer or vehicle hitch mount
- Integral camera for awareness and alert triggered images: 640 x 480 daylight images
- Internal K band radar with adjustable sensitivity
- Power saving circuitry and automatic dimming for ambient light conditions with adjustable dimming range and manual display brightness override
- Meets MUTCD specifications

## SpeedAlert Operation Modes

- **Message Mode:** Display one message, up to six screens
- **All Messages:** Sequence all messages in sign memory
- **Speed Display:** Display approaching vehicle's speed with 'YOUR SPEED' LED message
- **Dependent Message:** Display targeted messages based upon approaching vehicle's speed
- **Changeable speed limit sign**
- **Stealth or Display Off:** Collect traffic speed and volume data with no display
- **Schedule:** Change message and/or mode up to 13 times/day
- Collect vehicle volume by speed and time data in all modes
- Sign returns to last configuration when power applied

## SpeedAlert Messages

- SA24: 1-3 line messages
  - **1 line:** 24" H x 12.5" W characters, four per line
  - **2 lines:** 10 1/4" H x 5.75" W characters, eight per line
  - **3 lines:** 7" H x 4" W characters, 12 per line
  - **2 lines:** (1) 7" char, 12/line, (1) 10 1/4" char, 8/line
- Up to six screens per message
- Full graphics capability, each LED individually controllable
- Variable display time, flash and reverse rates for each screen
- Scroll through 25 user defined onboard messages using selector buttons built into sign, no training necessary
- Ability to sequence messages for up to 144 screen animation
- Message power efficiency calculator in software
- Messages on sign retained when power removed



- Actual sign preview and unlimited message storage using TrafficCloud® Web-based Remote Management Service, ATS PC Sign Manager™ or ATS Android app™
- Sign returns to last message when power applied
- Conditional Messaging – Accept local or remote data and dynamically display messages driven off data, and/or incorporate into messages

## SpeedAlert Programming Methods

### On-Board Programming (standard on all units)

- Select message from sign's memory
- Select operation mode and speed limit
- Buttons time out to prevent tampering
- TrafficCloud Web-based Remote Management Services using integral cell modem for remote management (see TrafficCloud specification for more information):
- Turnkey system. Remote connectivity functional upon ship. Unit connects to TrafficCloud Service when sign powered
- Fully hosted web-based management system
  - Internet connected computer with browser provides anywhere access on all connected devices with browser
  - No IT involvement or support necessary. System bypasses customer network eliminating access issues
  - Cellular provided by ATS, no separate cellular charges
  - Hosted database requires no setup or maintenance by customer



## SpeedAlert 24: portable and versatile

Engineered and manufactured in the United States of America



### Apps

All apps included in Traffic Suite™:

- **Equipment Management:** Online sign management
  - Change messages and settings remotely
- **Reporting:** Online data retrieval, management and analysis, Enhanced report generation
- **Image Management:** Online image retrieval and management of images from sign's internal camera
- **Alerts:** Notifications for low battery and tampering, high speed and congestion; Alerts can include images
- **Mapping:** Visually manage equipment and data

### ATS PC Sign Manager

Local Management using PC with USB connection standard with all signs, Bluetooth optional

- PC based client software
- Connect to sign via USB or Bluetooth (optional)

**ATS Android App:** Local Management (optional):

- Android OS wireless Bluetooth control local to unit
- Android device can be phone or WiFi device with Bluetooth

**Local Management Features:** (PC and Android)

- Create and change messages, modes and settings
- Local data retrieval and management
- Local image retrieval and management from sign's internal camera
- Manage all unit settings, automatic sync with TrafficCloud Web-based Remote Management Service if subscribed
- All traffic data and messages saved for online management and backup with optional Traffic Suite
  - Retrieve data and save to TrafficCloud at no cost, generate limited reports online from hosted data. Extended reports available with TrafficCloud subscription
  - Create message and save to TrafficCloud library, messages available on all ATS Android App or PC Sign Manager devices with TrafficCloud subscription

### SpeedAlert Programming

Configure the following parameters via TrafficCloud Web-based Management System, ATS Android App or PC Sign Manager

#### • Messages

- Create and load message using 'Display Now' feature
- Load 24 messages into sign's memory
- Scroll messages in sign's memory
- Display signs stored in TrafficCloud Web, ATS Android App or PC Sign Manager

#### • Speeds

- Speed limit
- Maximum speed displayed
- Display on/off/specific mph activation
- Radar sensitivity (range)
- **Speed limit sign operation:** Change speed limit up to 13 times per day schedule
- Metric capable display with hundreds digit
- Set time via PC, Android or sync with cell signal (TrafficCloud)
- Sign firmware field and remotely upgradeable

### Speed Dependent Message System

- Different messages for each of five speed ranges
  - No cars
  - Cars  $\leq$  speed limit
  - Cars  $>$  Speed Limit,  $< x$
  - Cars  $> x <$  upper speed
  - Cars  $>$  upper speed
- Ranges dependent on speed limit setting only, so simple speed limit change adjusts all dependent message ranges
- Independent Maximum Speed Displayed setting
- Speed Dependent Messages can be any SA24 messages, including
  - 'YOUR SPEED' screen with 24" speed display digits
  - 'SPEED LIMIT' screen with 24" speed limit display digits

### Scheduling

- All days, Multiple Messages: Schedule up to 50 different messages or modes for up to 13 different time periods in a 24 hour day, repeats in each 24 hour cycle
- Seven day, Multiple Messages: Schedule different messages or modes for up to 13 different time periods in each 24 hour day for each of seven days, repeats in each seven day cycle; up to

- 50 different messages can be used over the seven day period
- All messages and scheduling reside on the sign – no external hardware necessary
- Program schedule via TrafficCloud Web, ATS Android app or ATS PC Sign Manager, Save to load onto multiple signs
- Camera activation controlled in schedule windows
- Internal real time clock, time and schedule maintained with power disconnected

## SpeedAlert Data Logging Option

- Traffic reports generated using TrafficCloud Web-based Reporting App
- Collect data automatically with TrafficCloud Remote Management or locally with ATS Android App or PC Sign Manager
- Reports include tables and charts to address all constituents with the most applicable data presentation
- All reports exportable to PDF
- Automatic Data Collection – TrafficCloud Web
  - Data retrieval every 15 minutes – near real time reporting, memory never full
  - All data in one database for analysis filtered by location, date and time
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  - All data hosted in online database for anywhere access
  - Download traffic data from sign with USB or Bluetooth connection
  - 30 days of high volume data minimum storage on sign, data collection rolls over when memory reaches capacity
- **Reports, Local Data Collection:**
  - Summary page with average and 85th percentile speed, average daily volume, 10 mph pace speed, high and low speed, display mode
- Traffic counts by speed range, full day and time of day over selected date range with 5 mph resolution
- Vehicle counts by time range per day by hour
- Vehicle counts by speed range and time of day
- **Reports, Automatic Data Collection** (TrafficCloud Web-based Management Services)
  - Enhanced Summary with detail charts and graphs
  - Compliance by speed range with three ranges
  - Enforcement report showing highest speed and volume violators over selected locations
  - Effectiveness report showing program performance

## Construction

- **LED Pixels:** Amber 595nm, 30 degree viewing angle, 100,000 hours, black background, (MUTCD compliant)
- **LED Density:** 0.6"x 1" pitch, 26 x 96 pixel matrix
- **Radar:** K Band (24.15 GHz), FCC Certified, no license required, +1mph accuracy, 9°Vx18°H pickup area pickup area, range: 2000+ ft., 5–150 mph (8–150 kph)
- Conformal coating on all circuit boards
- Integral handles, two heights
- Weatherproof, NEMA 4, IP65 sealed
- 1/8" Tinted, non-glare, UV stabilized polycarbonate face

- Aluminium chassis, 12 ga, black powder coat finish
- Tamper resistant mounting hardware system, hardware secured behind enclosure lock
- –40 to 160 F operating temperature range, 95% humidity non-condensing (-20F for Bluetooth communication, 5F for internal camera)

## SpeedAlert Power

- **Power Input, Max:**
  - 12VDC, 8A max, 96 W max; 4A, 48W typical
- Power saving circuitry and automatic dimming for ambient light conditions with adjustable dimming range and manual display brightness override
- **SpeedAlert 24 Power:**
  - 12VDC locking plug, 30A capacity
  - Compatible power supplies include:
  - Vehicles' power port, with optional adapter
  - Trailer wiring adapter for hitch mount
  - POWERcase portable power supply, PC26 or PC36
  - 120 or 220 VAC Power supply in NEMA 4 enclosure
  - ATS 5 Trailer (batteries with optional solar assist: 235 or 470 Ah, 60W solar option)
  - Pole Battery Box: 156Ah battery with solar assist
- Battery level indicator on sign, ATS Android app, ATS PC Sign Manager or TrafficCloud Remote Management
- Auto recovery for battery with solar
- Power cable customer replaceable, gold plated connector contacts, high visibility yellow cable

## Standard SpeedAlert System Components

- SpeedAlert Radar Message Sign
- ATS PC Sign Manager software with USB cable
- On-Board Controls
- Optional SpeedAlert Components and Features
- TrafficCloud Web-based Remote Management Service
- ATS Android App, Bluetooth connectivity
- Padded carrying case with accessory pockets, shoulder strap
- **Mounting Bracket:**
  - Mounts to pole or any surface using any hardware, no tools required
  - Tamper resistant hardware compartment
  - Rotate bracket for additional 12" of mounting height
  - Aluminium with black powder coat
  - Sign can be locked into bracket
  - Bolt sign to mounting bracket for additional security
  - Mounting hardware supplied
- **Speed Activated Relay Closure**
  - 7A, 30VDC or 7A 120VAC max, 100mA 5VDC min, no power supplied, simply a contact closure
  - Trigger relay at specified speed with configurable duration from 1 to 10 seconds per radar event
- Tamper alarm – ATS 5

## SpeedAlert Mounting Options

- ATS 5 Trailer (refer to ATS 5 specifications or more information)
- Vehicle hitch mount





### Flexible mounting options:

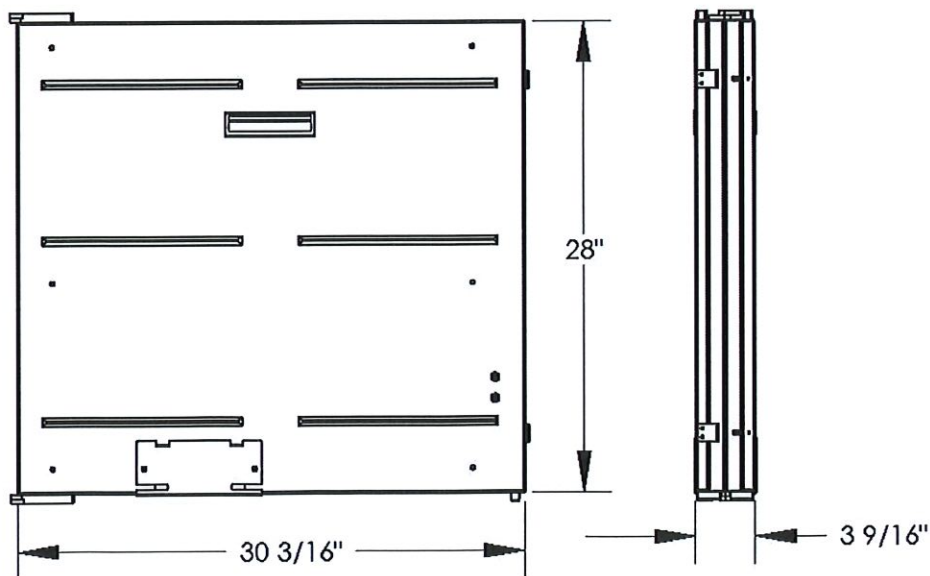
1. SpeedAlert 24 on Hitch Mount
2. SpeedAlert 24 on ultra-portable ATS 5 Trailer

- Mounts sign 30" to bottom of sign from receiver tube (final height dependent on receiver height)
- Fits 1.25" or 2" receiver, adapter included, 1/2" hitch pin
- Locking rotation adjustment on 15 degree increments over 180 degrees, +/- 5 degrees tilt
- White powder coat finish with rear reflector
- **Standard Folding Portable Post**
  - Folds for easy storage and portability
  - 47" to 60" to bottom, 73" to 86" to top depending on leg positions; rotate bracket for additional 12" height
- Mounting provisions for permanent applications with 1/4-20 threaded holes

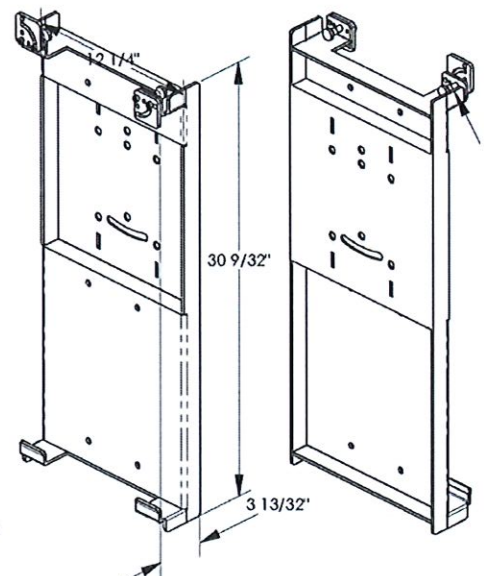
### Warranty

- PremierCare Support Plan available with current TraffiCloud subscription. Ask your ATS sales representative for details.
- ATS 3-year Manufacturer's Warranty comes standard on all SpeedAlert radar speed displays purchased after January 1, 2019.

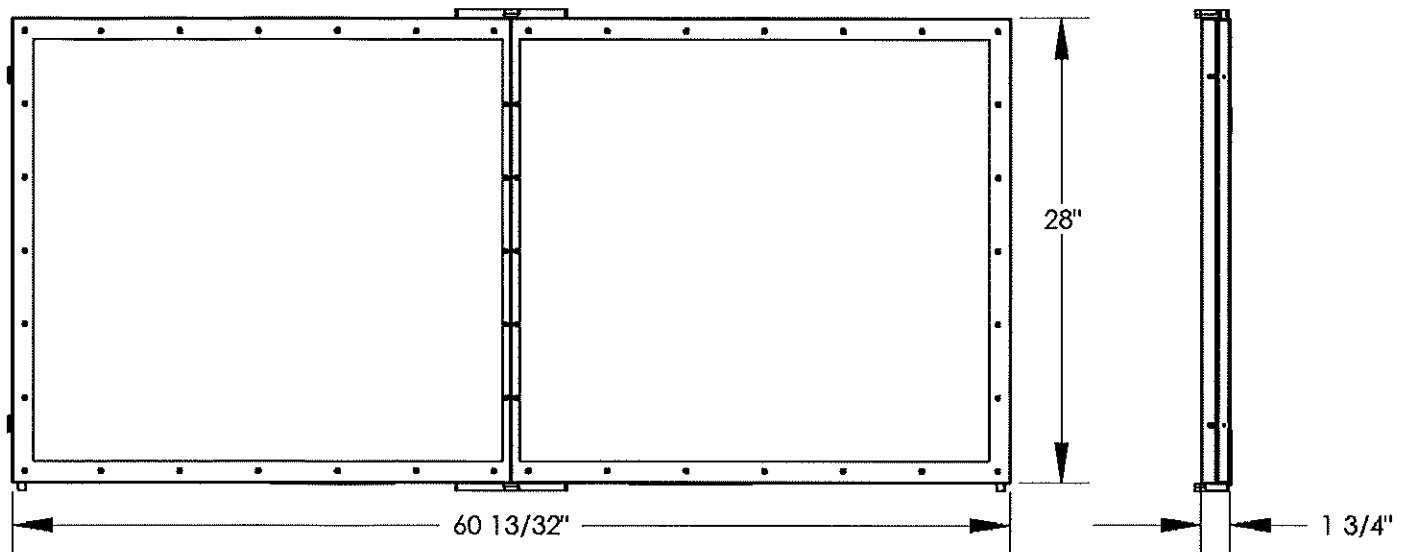
### SpeedAlert Dimensions: Open



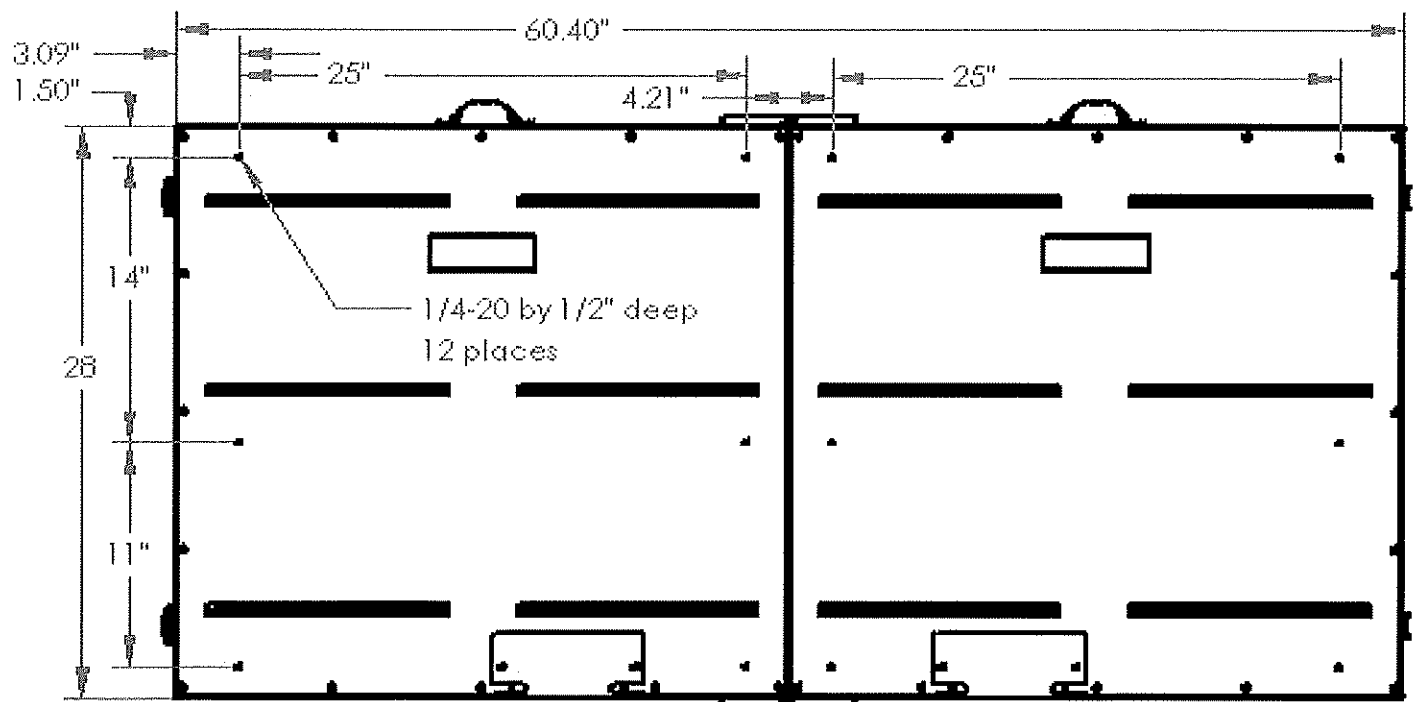
### Mounting Plate



## SpeedAlert Dimensions: Folded



## Mounting Hole Positions



For more information visit us online



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## SPEED ALERT 24 VMS RADAR TRAILER





**SPEED ALERT 24 VMS RADAR TRAILER WITH FLASHING RED/BLUE LIGHTS  
(OPTIONAL ACCESSORY)**





Here is what the Speed Alert 24 Message Trailer will include:

- Speed Alert 24 Radar Message Sign - 28 x 60 display
- Radar- 24" display
- Message Board – 3-line message board with 12 characters per line and 6 screens. The message board can store up to 25 pre-programmed messages
- Speed Dependent Messages - will trigger a different message based on speed vehicle is traveling
- Scheduling - can do daily and weekly schedule
- Alerts - low battery (2 alerts), high-speed, and tamper
- Camera- can set to trigger for high speed and tamper alerts
- GPS
- Bluetooth
- TraffCloud - software package that will give 6 reports from data collected from the trailer and allow remote messaging into the trailer
- Wireless Cloud access to trailer and reports for the first year -optional renewal after first year
- ATS 5 Trailer
- 4 - Deep Cycle Batteries (470 ah)
- 60-watt Solar Panel
- 3 year warranty
- Free Training Webinar for your staff
- Unlimited Tech support - at no charge
- 100% Made in USA (Pennsylvania)

Let me know if I could offer any additional information. Thank you and I look forward to hearing from you,