
**VILLAGE OF SUGAR GROVE
BOARD REPORT**

TO: VILLAGE PRESIDENT & BOARD OF TRUSTEES
FROM: PATRICK ROLLINS, CHIEF OF POLICE
SUBJECT: RESOLUTION: PURCHASE AUTHORIZATION FOR TWO INSTA-ALERT
PORTABLE VARIABLE MESSAGE BOARDS FROM ALL TRAFFIC
SOLUTIONS
AGENDA: DECEMBER 19, 2023, REGULAR BOARD MEETING
DATE: DECEMBER 11, 2023

ISSUE

Should the Village Board approve a resolution for the purchase of two portable variable message boards from All Traffic Solutions, Inc.

DISCUSSION

The police department during the initial fiscal year 23-24 budget approval process along with other departments, had various requests to fund or purchase equipment, projects, or initiatives. The Village, being fiscally responsible during the initial budget overview and approval, asked departments to bring back those requests at the six-month budget review when more financial information was available.

At the December 5, 2023, Village Board meeting, Finance Director Anastasi presented a report outlining the Village's six-month budget with a projected surplus of funds. Part of that discussion was the police department's request to purchase two Insta-Alert Portable Variable Message Boards. The Board, after their discussion, provided guidance to staff desiring to bring the purchase of the Insta-Alert Message Boards back for approval.

COST

The cost of purchasing two Insta-Alert Portable Variable Message Boards and miscellaneous equipment and services is \$19,502.05. The Village is taking advantage of the Sourcewell Cooperative Purchasing Procurement process with discounts.

RECOMMENDATION

The Village Board approves **Resolution # 2023-1219-PD1** for two Insta-Alert Message Boards and miscellaneous equipment and services from All Traffic Solutions in the amount of \$19,502.05.



RESOLUTION NO. 2023-1219-PD1

VILLAGE OF SUGAR GROVE, KANE COUNTY, ILLINOIS

**RESOLUTION AUTHORIZING EXECUTION OF AN
AGREEMENT WITH ALL TRAFFIC SOLUTIONS, INC, FOR
INSTA-ALERT PORTABLE VARIABLE MESSAGE BOARDS
AND MISC. EQUIPMENT.**

WHEREAS, the Village of Sugar Grove Board of Trustees find that it is in the best interest of the Village to engage the purchase of two portable variable message boards and peripheral equipment with All Traffic Solutions, Inc;

NOW, THEREFORE, BE IT RESOLVED by the President and Board of Trustees of the Village of Sugar Grove, Kane County, Illinois, as follows:

The Police Chief are hereby authorized to execute the purchase on behalf of the Village and to take such further actions as are necessary to fulfill the terms of said purchase.

Passed by the President and Board of Trustees of the Village of Sugar Grove, Kane County, Illinois, at a regular meeting thereof held on the 19th day of December, 2023.

Jennifer Konen, President of the Board
of Trustees of the Village of
Sugar Grove, Kane County,
Illinois

ATTEST: _____

Rachel Wortham,
Deputy Clerk,
Village of Sugar
Grove

	Aye	Nay	Absent	Abstain
Trustee Matthew Bonnie	_____	_____	_____	_____
Trustee Sean Herron	_____	_____	_____	_____
Trustee Heidi Lendi	_____	_____	_____	_____
Trustee Michael Schomas	_____	_____	_____	_____
Trustee Sean Michels	_____	_____	_____	_____
Trustee James F. White	_____	_____	_____	_____
President Jennifer Konen	_____	_____	_____	_____



**Mail Purchase
Orders to:**

3100 Research Dr.
State College, PA
16801

All Traffic Solutions Inc.
PO Box 221410
Chantilly, VA 20153
Phone: 814-237-9005
Fax: 814-237-9006
DUNS #: 001225114
Tax ID: 25-1887906
CAGE Code: 34FQ5

Contract:
Sourcewell 090122-ATS
Sourcewell Account #:
129841

QUOTE Q-82275

DATE: 12/06/2023

**PAGE
NO:** 1

**Questions contact:
MANUFACTURER:
All Traffic Solutions**

Owen Lauerman
(571) 549-3766
x
olauerman@alltrafficsolutions.co
m

Independent Sales Rep:

BILL TO:

Sugar Grove Police Department
10 Municipal Dr
Sugar Grove, IL 60554

Billing Contact:

SHIP TO:

Sugar Grove Police Department
10 S Municipal Dr
Sugar Grove, IL 60554
Attn: Patrick Rollins

PAYMENT

TERMS:

Net 30

CUSTOMER: Sugar
Grove Police Department

CONTACT:(630) 466-4526

ITEM NO:

DESCRIPTION:

QTY:

EACH:

**EXT.
PRICE:**

4000750	App, Mobile User Interface perpetual license (only 1 req'd per account)	1	\$100.00	\$100.00
4000468	instALERT 24 Message Display; base unit (select mount separately)	2	\$7,291.00	\$14,582.00
4001299	3 Year Warranty	2	\$0.00	\$0.00
4001887	All Options Activation: Bluetooth, Logs, and Pictures (\$2500 Value, requires Message Suite)	2	\$0.00	\$0.00
4000771	App, Messaging Suite (12mo); Equip Mgmt, Image Mgmt, Alerts, Mapping and PremierCare	2	\$950.00	\$1,900.00
4001626	VZW communications prep	2	\$0.00	\$0.00
4001717	PowerCase PC36, 36Ah power supply, 12VDC output, 120VAC input	2	\$562.00	\$1,124.00
4100120	hrns, Power cord, iA w/ 30 amp plug for post, hitch	2	\$206.00	\$412.00
4001681	Portable Post for IA/SA 24 and Mounting Bracket	2	\$874.00	\$1,748.00
4000996	AC supply, 8.0A, 15VDC out, 120/240VAC 50/60 Hz in, No enclosure, IP67 Class II housing (iA24, SA24)	2	\$361.00	\$722.00
4900032	Carrying Case; iA24 softcase with storage pockets	2	\$281.00	\$562.00

4000641	Shipping and Handling Common Carrier	1	\$640.00	\$640.00
4001190	Discount - New Purchase	1	(\$2,287.95)	(\$2,287.95)

Special Notes:	SALES AMOUNT:	\$19,502.05
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TOTAL USD:	\$19,502.05
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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

I am authorized to commit my organization to this order. If your organization will be creating a purchase order for this order, please submit purchase order to either of the following: Email: sales@alltrafficsolutions.com or Physical Address: Listed at top of quote.

Signature: _____ Date: _____

Print Name: _____ Title: _____



INSTALERT 24 VARIABLE MESSAGE SIGN

InstAlert 24 Variable Message Sign

- Open dimensions: 1.63" x 28" x 60"
- Folded dimensions: 3.25" x 28" x 30"
- Folded sign fits in vehicle trunk, SUV hatch
- Full matrix display: 26 x 96 pixels, 0.6"x 1" pitch
- LED pixels: Amber 590nm, 30-degree viewing angle, 100,000 hrs, black background, universal display modules
- MUTCD compliant
- On-board message selector buttons for quick selection of 25 internal messages and modes with anti-tamper lockout
- Local and remote management and monitoring options
- Integral active cell modem allowing TrafficCloud Web-Based Management Services for remote management
- Integral camera for awareness and alert-driven images
 - 640 x 480 daylight images
- Power saving circuitry and automatic dimming for ambient light conditions with adjustable dimming range and manual display brightness override
- Conformal coating on all circuit boards
- Integral case handles and nylon web handles
- Weight: 43 pounds
- Weatherproof, inherently sealed design
- 1/8" tinted, non-glare, UV stabilized polycarbonate face
- Entire face is removable for service
- Aluminum chassis, 12 ga., with black powder coat finish
- Mounting provisions for permanent applications, (12) 1/4-20 threaded holes
- -40 to 160°F operating temperature range, 95% humidity, non-condensing (-20°F for Bluetooth communication)
- Withstands up to 70-mph winds



INSTALERT 24 ON HITCH MOUNT



INSTALERT 24 ON POLE



INSTALERT 24 ON PORTABLE POST

InstAlert Operation Modes

- **Message Mode:** Display one message, up to six screens
- **All Messages:** Sequence all messages in sign memory
- **Schedule:** Change message and/or mode up to 13 times/day
- Speed based modes available in the
- SpeedAlert 24 configuration
- Sign returns to last configuration when power applied

InstAlert Messages

- **1-3 line messages**
 - 1 line: 24" H x 12.5" W characters, 4/line
 - 2 lines: 10.25" H x 5.75" W characters, 8/line
 - 3 lines: 7" H x 4" W characters, 12 per line
 - 2 lines: (1) 7" char, 12/line, (1) 10.25" char, 8/line
- Up to six screens per message
- Message power efficiency calculator in software
- Variable display time, flash and reverse rates
- for each screen
- Full graphics capability, each LED is individually controllable, programmable from PC, PDA or remotely
- Ability to link multiple messages for up to
- 144 screen animation
- Scroll through 25 user defined on-board messages using selector buttons built into sign, no training necessary; buttons on unit become inactive after timeout to prevent tampering, reactivate by reapplying power
- Unlimited message storage on PC, Android device or remote server
- Messages on sign are not erased when power is removed
- Sign returns to last message when power applied
- Actual sign preview on PC, Android or TrafficCloud

InstAlert Programming

Program and monitor the sign three ways:
On-Board Programming (standard on all units)

- Select message from sign's memory
- Select operation mode

TraffiCloud® Web-Based Management Services

Using integral cell modem for remote management

(See TraffiCloud specification for more information):

- Turnkey system with remote sign connection functional out of the box. Unit connects to TraffiCloud system when sign is powered
- Fully hosted web-based management system
 - Internet-connected computer with browser provides anywhere access on all browser-capable, connected devices.
 - No IT involvement or support necessary. System bypasses customer network eliminating access issues
 - Cellular service provided by ATS, no separate cellular charges
 - Hosted database requires no setup or maintenance by customer
- **Apps:** All apps included in Message Suite:
 - Equipment Management: Change messages and settings remotely, monitor sign online
 - Image Management: Online image retrieval and management of images from internal camera
- **Alerts:** Email/SMS notifications for low battery and tampering, alerts can include images
- **Mapping:** Visually manage equipment and data
- Premier Care Perpetual Warranty

ATS PC Sign Manager

Local Management using PC with USB connection standard on all signs

- 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:

- Create and change messages, modes and settings
- Local image retrieval and management from internal camera
- Manage all unit settings, automatic sync with TraffiCloud Web Based Management
- All traffic data and messages can be saved for online management and backup with optional TraffiCloud Message Suite
 - Create message and save to TraffiCloud library, messages available on all ATS Android App or PC Sign Manager devices
- Sign firmware field and remotely upgradeable

InstAlert Settings

- Configure the following parameters via PC, Android or TraffiCloud Web-Based Management System:
 - Load message using "Display Now" feature
 - Load 24 messages into sign's memory
 - Scroll messages in sign's memory
 - Display signs from server or local device memory
 - Set sign mode
 - Upload schedule
 - Set automatic dimming range minimum and maximum levels or manually override display brightness
- Internal real time clock, time maintained with power disconnected
- Set time via local device or sync with cell signal

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
- 7 day, multiple messages: schedule different messages or modes for up to 13 different time periods in each 24-hour day for each of 7 days, repeats in each 7 day cycle; up to 50 different messages can be used over the 7-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

Data Logging Option for InstAlert units with the optional internal radar option – SpeedAlert 24

- Upgrade to the SpeedAlert 24, adding traffic radar to the InstAlert to enable collection of traffic data and speed display functionality
- See SpeedAlert 24 Specification Sheet

InstAlert Sign 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 InstAlert System Components

- InstAlert Variable Message Sign
- ATS PC Sign Manager software with USB cable
- On-Board Controls

InstAlert Mounting Options

- ATS 5 Trailer (refer to ATS 5 Specification Sheet for more info)



INSTALERT 24 ON PORTABLE POST

- Options using the InstAlert mounting bracket
- Hitch mount
 - Sign height: 25" to bottom, 53" to top of sign from receiver tube (final height dependent on receiver height, flip mounting bracket for an additional 12")
 - Fits 1.25" or 2" receiver, adapter included
 - ½" hitch pin
 - Locking rotation adjustment on 15-degree increments over 180 degrees,
 - +/- 5-degree tilt to adjust LED aim for maximum brightness
 - White powder coat finish with rear reflector
 - Not intended for operation above 15 mph
- Telescoping Hitch Mount**
 - All features of standard hitch mount, plus
 - Sign height: 53" to bottom, 81" to top of sign from receiver tube (final height dependent on receiver height, flip mounting bracket for an additional 12")
- Standard Folding Portable Post:**
 - Folds for easy storage and portability
 - 42" to 55" to bottom, 70" to 83" to top of sign depending on leg positions, rotate bracket for additional 12"

Optional InstAlert Sign Components and Features

- TrafficCloud Web-Based Remote Management Service

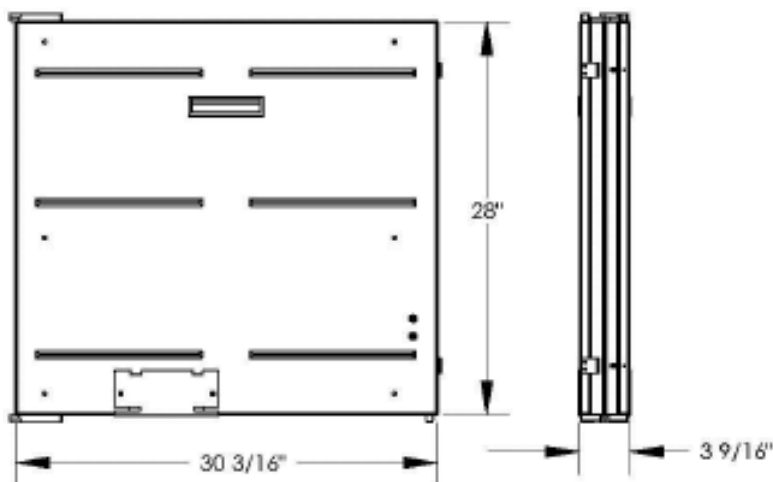
- ATS Android App, Bluetooth connectivity
- Padded carrying case with accessory pockets, shoulder strap
- Mounting bracket**
 - Mounts to pole or any surface using any hardware, no tools required
 - Tamper-resistant hardware compartment
 - Rotate bracket for additional 12" of mounting height
 - Aluminum with black powder coat
 - Sign can be locked into bracket
 - Bolt sign to mounting bracket for additional security
 - Mounting hardware supplied
- Internal radar allowing for speed display, speed dependent messaging and speed and volume data collection – SpeedAlert 24 radar message sign
- Drive Times sensor-free Time to Destination Service
 - Travel time data sent to sign every minute

Warranty

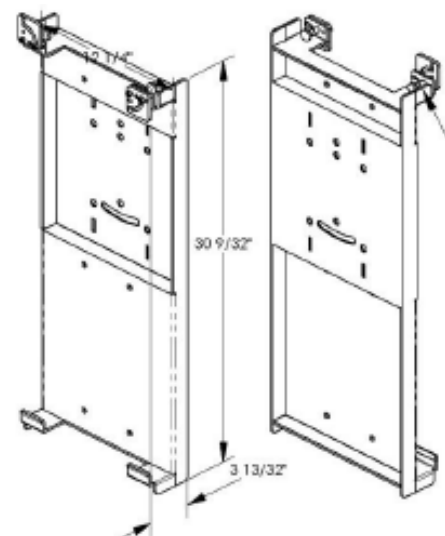
- 1 year warranty (three months on Li-Ion batteries)

Premier Care

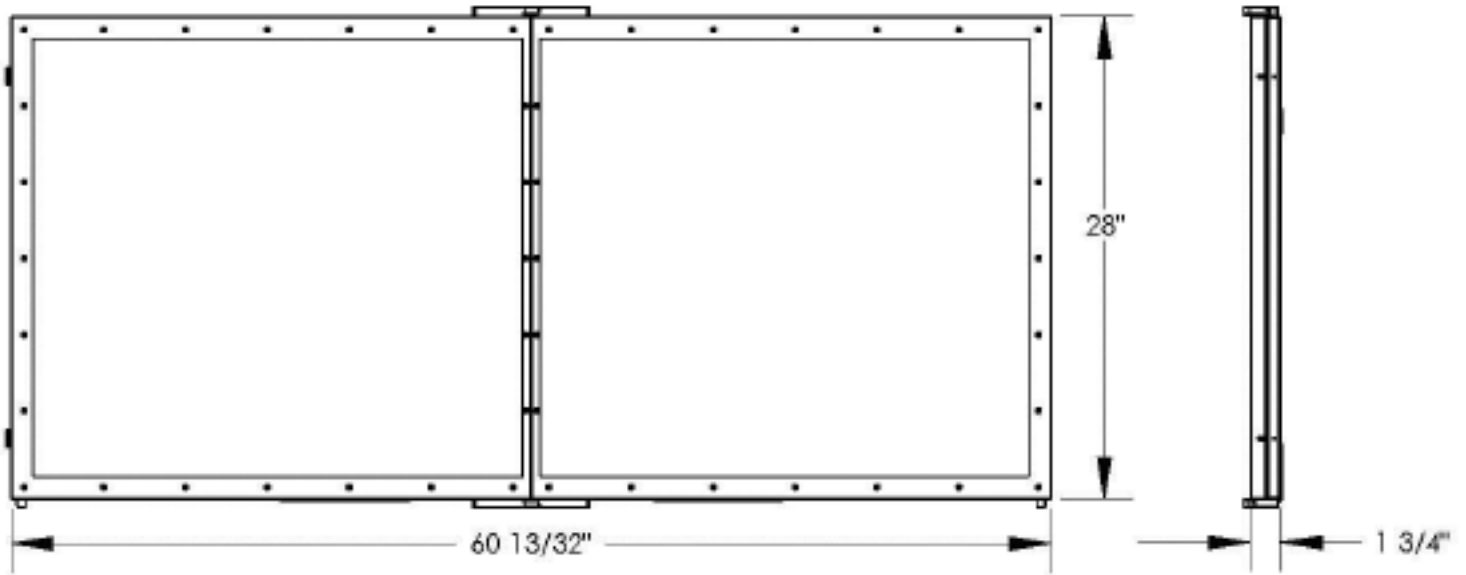
- Extended Warranty
- Product software upgrades free
- Vandalism and accidental damage (non-warranty) at 50% off list price



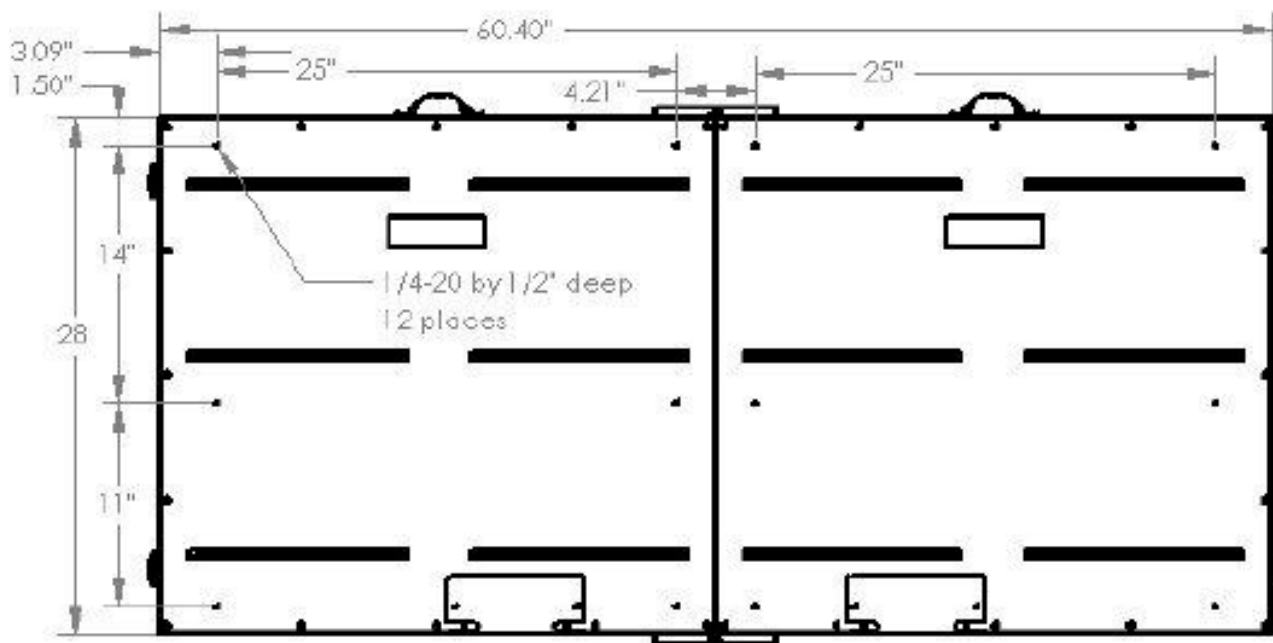
INSTALERT DIMENSIONS: FOLDED



DIMENSIONS: MOUNTING PLATE



INSTALERT 24 DIMENSIONS: OPEN



MOUNTING HOLE POSITIONS

For more information visit us online

 sales@alltrafficsolutions.com  Call ATS on 866.366.6602

All Traffic Solutions. 12950 Worldgate Drive, Suite 310, Herndon, VA 20170

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