

Harvard-Allston Public Realm Flexible Fund

For Allston-Brighton

Application for Funding, Spring 2016

Total Amount Requested \$ 96,000

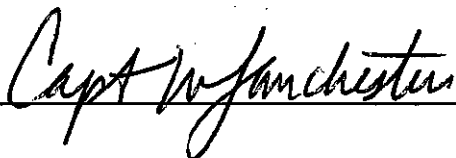
Applicant Organization Name:	<u>Boston Police Department, District 14-CSO</u>		
Organization Address:	<u>301 Washington St.</u>	City: <u>Brighton</u>	Zip: <u>02135</u>
Contact Person:	<u>Michael C. O'Hara</u>		
Title:	<u>Sergeant-Supervisor Community Services</u>		
Telephone Number:	<u>617-343-4376</u>		
E-Mail Address:	<u>michaelc.ohara@pd.boston.gov</u>		
Is Applicant a 501(C)(3) organization?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Federal Employer Identification Number:	<u>046001380</u>		
Executive Director:	<u>Sergeant Michael C. O'Hara</u>	Phone Number:	<u>617-343-4376</u>
Email Address:	<u>michaelc.ohara@pd.boston.gov</u>		
Board President:	<u>Captain Wayne Lanchester</u>	Phone Number:	<u>617-343-4260</u>
Email Address:	<u>wayne.lanchester@pd.boston.gov</u>		

Application submission(s) must be authorized and signed by an authorized signatory of the Organization.

Name and title of Authorized Signatory: Michael C. O'Hara, Sergeant-Supervisor D14



Signature of Authorized Signatory: Wayne W. Lanchester, Captain-Commander D14



April 12, 2016

Boston Police Department (BPD), District 14, Speed Alert Display Board Trailer Proposal, Harvard-Allston Public Realm Flexible Fund

Summary of Proposed Public Safety Enhancement:

The objective of this proposed project would be to enhance the public safety on the public streets and ways of Allston with the purchase of four speed alert display board trailer units for the Allston area. These speed alert display board trailer units would only be deployed on public ways, north and east of the Massachusetts Turnpike in Allston. The speed alert display board trailers are a 24 hour educational tool and when combined with police enforcement are the most effective way to promote roadway safety. In the past ten years the Allston community has seen an increase in the number of bicycle accidents, increased motor vehicle traffic and additional construction site activity. These factors indicate that there will be even more accidents involving pedestrians, bicycles and motor vehicles in Allston. The speed alert display board trailers would add a deterrent to the speeding cars by making drivers aware that their speed is being monitored and that there is a real possibility that they may be pulled over and cited. The addition of these speed alert display board trailers would enhance the safety and quality of life for all of the residents of the Allston community.

The particular speed alert display board trailers (see attached) that we would be purchasing are made by All Traffic Solutions, a Pennsylvania company that already provides similar sign boards to the City of Boston and surrounding local communities. The boards are powered by solar panels and are programmable and accessible via cloud based data collection technology. The trailers allow for easy maneuverability and the ability to change locations and messages efficiently. The cost of the four speed alert display board trailers and any peripherals is about \$96,000.00. Insurance, registration and maintenance

costs will be borne by the Boston Police Department. We are requesting a Harvard-Allston Public Realm Flexible Fund Grant to cover the \$96,000 cost of this project.

Review Criteria:

The Boston Police Department's (BPD) mission statement is: "***We dedicate ourselves to work in partnership with the community to fight crime, reduce fear and improve the quality of life in our neighborhoods. Our mission is neighborhood policing.***" Working closely with the community, issues are identified and together police, residents, and business owners develop viable solutions.

One of our largest ongoing issues in Allston is roadway safety, which is a quality of life issue. The BPD at District 14 has limited resources available, however we have been able via other city agencies to enhance and improve traffic safety in Allston. We currently are being temporarily lent three sign board trailers by the Mayor's Office of Emergency Management and one sign board trailer by the Boston Transportation Department in Allston, to provide pedestrian and cyclist safety signage. These sign boards, as opposed to the speed display board trailers being requested, do not provide the education and enforcement message that is actually needed. All of these internal city resources are not permanently allocated to use in Allston and are currently depleted. As is the case for many agencies in the City of Boston, the funds available for new projects and equipment are virtually nonexistent. With a strong focus on responding to 911 calls, programs aimed at violence reduction and youth development initiatives; the BPD has few resources to focus on the important issue of motor-vehicle, cyclist, and pedestrian safety on major roadways. Currently, there are no other available funding avenues (public or private) that the BPD at District 14 is using to seek this equipment.

With the vast array of data available, as well as the in-depth knowledge of the area possessed by the D-14 officers, the BPD will be able to strategically place the traffic boards to reach drivers, cyclists, and pedestrians most in need of the speed display board trailer messages. In addition, locations brought to the attention of the District 14 Community Service Office by residents, community groups and school officials will be surveyed for possible deployment. Even if just a few people are reached by messages to buckle up, mind a cyclist, or find a designated driver, lives could be saved and overall safety of the neighborhood greatly increased. The BPD can improve safety and quality of life for residents of the Allston neighborhood with this technology. The plan proposed is an extremely sustainable project. As an example, the traffic board donated by Boston University has survived 15 years of being used in New England weather to alert drivers. With new technology, the board the BPD will be purchasing is expected to last even longer. If the BPD can secure funds to purchase this equipment, BPD funds can be used to provide maintenance needed over the next two decades of using the speed display board trailer. BPD personnel will provide all labor to deploy and collect any data collected for the purposes of making the roadways in Allston as safe as can be.

The Boston Police Department has been in operation since 1854 and as such has been involved with the protection and safety of the community for over 150 years. The District 14 Community Service Office has partnered with many community members and groups on a daily basis to make Allston one of the safest neighborhood in Boston in which to live, learn and work. In recent years we have led efforts to restore the Allston Historical Mile Markers, three Brighton War Memorials and are currently involved in the renovations of McKinney Park and Ringer Park. We have promoted and staffed the Police Athletic League (PAL) soccer, Road to the Right Track children's sports and fitness program and also our Rape Aggression Defense (RAD) program, enhancing our outreach into the community. The BPD at D14 has partnered with many in the community to form the Brighton District Court Community Service Worker Program that is used to have wayward youth payback the Allston community by performing community service within Allston. We attend as many community meetings as possible to stay informed of the needs of the Community and to make suggestions to better Allston.

Your assistance in providing the funding for this enhanced public safety technology to the Boston Police Department at District 14 is highly appreciated. Thank You.

July/August	Purchase and procurement of equipment
September/October	Deployment of speed board display trailers

Respectfully submitted,



Michael C. O'Hara, Sergeant
Supervisor-D14 Community Service Office

Attached: All Traffic Trailer Info Sheets
Letters of Community Support

Noted and Approved
Capt W. Manchester



Product Specification ATS 5 Trailer

ATS 5 Trailer

- Compatible, interchangeably, with the following products:
 - instALERT portable VMS
 - Shield 15" or 12" Speed Display
 - SpeedAlert 18" or 24"
 - Speed Dependent Messaging System
 - Shield 18 with Message Matrix
- 5' to bottom of SPEEDsentry, 57" to bottom of instALERT variable message sign
- Weight:
 - 600# with 100Ah battery capacity and Sh18
 - 620# with 235Ah battery capacity and Sh18
 - 760# with 470Ah battery capacity instALERT
 - Add 130# for additional battery pair
 - Add 60# for 120W solar panel
 - Add 40# for 65W solar panel
- Tongue weight: 20 pounds
- Dimensions: 61.5" long x 62.5" wide x 64" high (stowed)
- Simple manual lever lift system for 1 person setup
- Removable tongue for 2" ball, lockable
- Storage for tongue and lift bar in locked battery compartment
- 16 ga. steel locking battery compartment with vented battery chamber, charger/accessories chamber and 1/8" aluminum diamond plate lid
- Continuous weld steel frame, White marine grade powder coat finish
- Wheels: 12", 5 bolt steel rims with 4.5" bolt circle
- Ground clearance: 9.75 under axle, 19 under chassis
- Replaceable steel fenders, weight supporting
- Locking wheel lug bolts, 1 per wheel, w/ removal tool
- Axle: 2000# leaf spring
- Jacks: 4 Retractable crank type, fully adjustable at each corner, 1500 lb capacity each
- Recessed tail lights and DOT approved lighting
- Safety chains, 30" with hooks
- DOT Approved red/white reflective tape
- License plate holder with light

ATS 5 Trailer Power

- 12 VDC system, Std 4 pin wiring plug
- 100Ah, (2) 12VDC batteries in parallel, Absorbed Glass Mat, sealed
- 235Ah or 470Ah batteries, (2) 6VDC batteries in series, deep cycle marine (130 lbs per pair, 2 pair max)
- 20A time delay fuse on battery supply
- 65W solar assist or 120W solar assist with 20A solar controller to prevent overcharging
- Solar panels charge while sign stowed or deployed
- 10 Amp 120VAC automatic charger with externally accessible AC connection
- Receptacle for instALERT plug (IA configuration)

- Standard wiring for Shield, SpeedALERT SZ and solar option

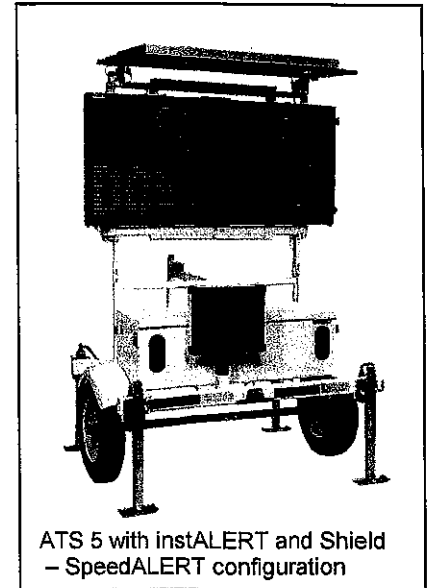
ATS 5 Trailer Options

- 30" x 36" speed limit sign and interchangeable digits for 5-65 mph display and locking hitch pin for display and stowing and digit storage in battery compartment
- Low Voltage Disconnect solar controller to turn off sign if power falls below 11.5VDC (decreases run time)
- 2 5/16 ball or pintle hook, adjustable height, on removable tongue
- Orange powder coat finish (minimum order qty)
- AGM sealed batteries for lower temperature use, -40F (185Ah per pair, 370Ah max)
- Tamper alarm with adjustable sensitivity
- Wheel lock bar
- 7" digit for speed limit sign
- 14" tires and fenders
- Speed Dependent Messaging Option

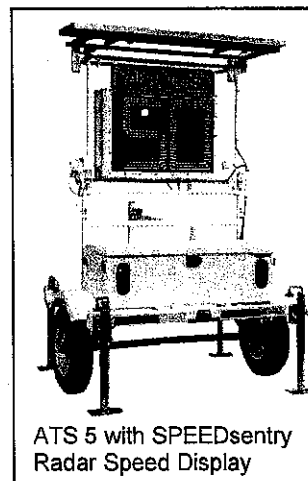
Warranty

- 1 year warranty (3 months on batteries)

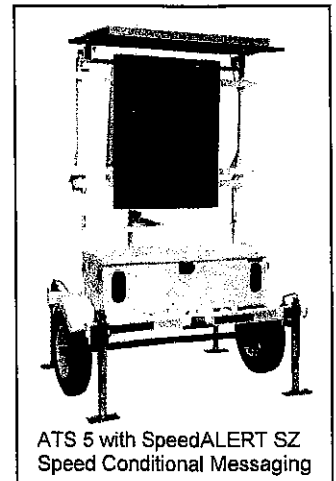
Made in the United States of America



ATS 5 with instALERT and Shield
- SpeedALERT configuration



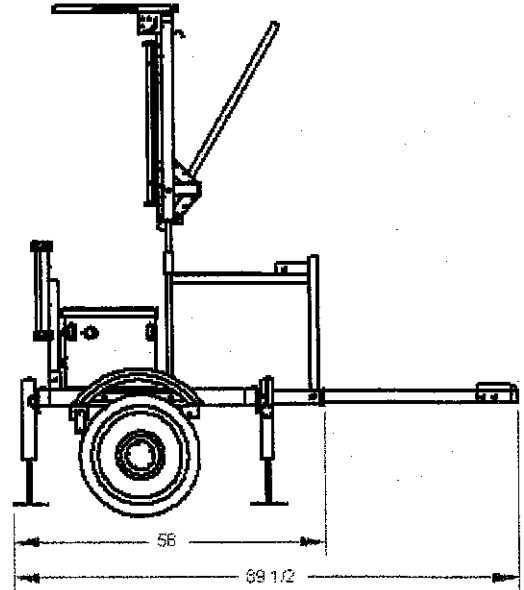
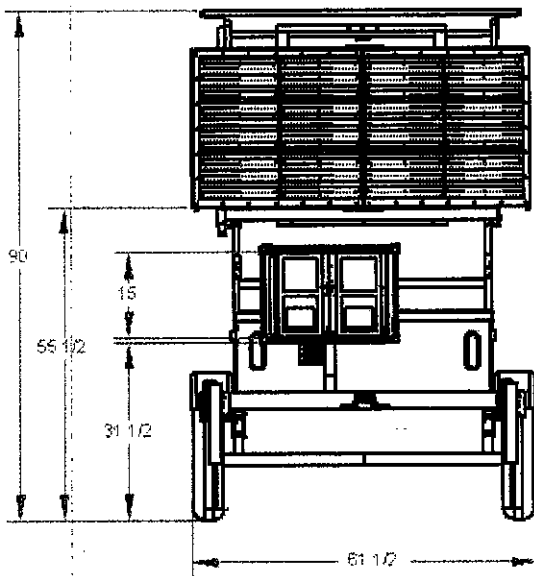
ATS 5 with SPEEDsentry
Radar Speed Display



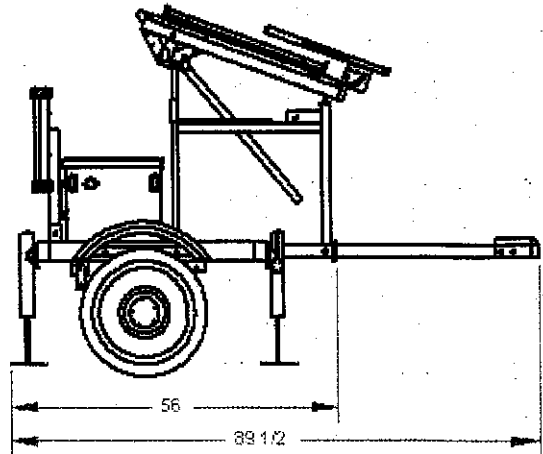
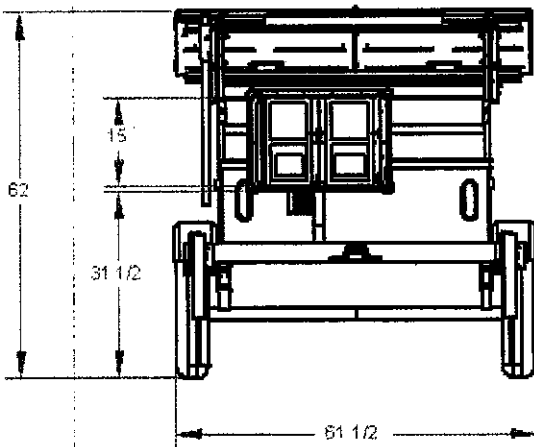
ATS 5 with SpeedALERT SZ
Speed Conditional Messaging



ATS 5 Trailer, Deployed with Speed Dependent Messaging System (instALERT VMS and SPEEDsentry Shield)



ATS 5 Trailer, Stowed with Speed Dependent Messaging System (instALERT VMS and SPEEDsentry Shield)



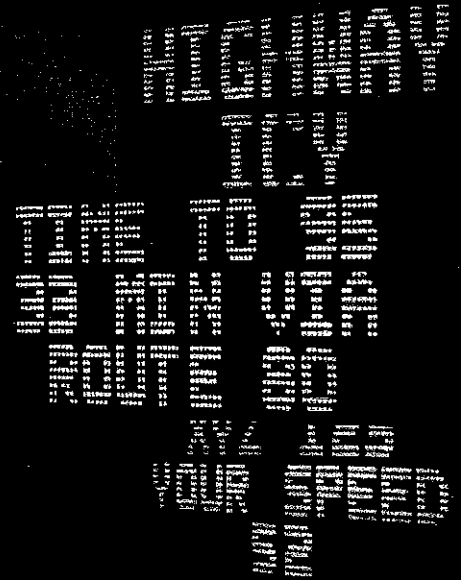
SpeedAlert 24

A Variable Message Sign -
Based on Driver Speed.

InstAlert 24

The Most Portable Variable
Message Sign Available.

GET A QUOTE



FAAL PRODUCTS

[OVERVIEW](#) [ACCESSORIES](#)

SPEEDALERT 24 / INSTALERT 24

Designed for quick deployment, the SpeedAlert 24 Radar Message Sign and the InstAlert 24 Variable Message Signs are the fastest, easiest way to tell the public exactly what it needs to know. The signs weigh only 43 lbs. and even fold in half for storage in your vehicle trunk. Giant 24" characters allow for greater visibility at all speeds.



Remotely monitor and interact with either SpeedAlert or InstAlert 24 using the TrafficCloud Web-Based Remote Management Service. Eliminate traffic data file management, easily update and sync messages, generate and share reports over the Internet. Our enhanced and always-current user interface will keep you in contact with your equipment and you'll be even more productive and efficient.

Message Versatility:

Go beyond basic messages with a full-matrix sign that makes multiple screens of text, graphics, chevrons or custom images simple.

Simple, Universal Mounting:

Mount the SpeedAlert or InstAlert almost anywhere - post, pole, trailer or vehicle - in about a minute. An available padded case makes moving the signs even easier.

Durable Construction:

The welded aluminum enclosure, concealed mounting hardware, shatterproof Lexan and graffiti-resistant powder-coat make these signs extremely rugged and durable.

Multiple Power Options:

The unit accommodates almost any power source including the ATS PowerCase Portable Power Pack, solar, AC or trailer to address a wide range of situations.

Flexible Scheduling:

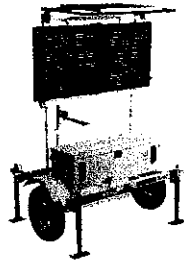
Program up to 6 different modes or speed limits for up to 6 time periods a day.

Imaging Capability:

- Take daytime awareness images of high speed violators, congestion (SA24 only) and vandals tampering with the signs using an unobtrusive, internal camera. (Images will not capture license plates.)

Both the SpeedAlert and InstAlert signs are available in an 18" unit. Contact us for additional information and pricing.

SPEEDALERT 24



The SpeedAlert 24 Radar Message Sign with internal radar combines radar feedback with variable messages. Use as a standard message sign or deliver speed and messages specific to a specific vehicle's speed. The hybrid of features make the SpeedAlert an extremely versatile tool for both traffic calming and messaging.

Compliant drivers see one message while violators see an applicable message based on their speed – 3 messages for 3 speed-ranges over the speed limit.

Catch the attention of the highest risk violators with a bright, flashing violator strobe that increases the sign effectiveness.

[SpeedAlert 24 Product Sheet](#)

[SpeedAlert 24 Technical Spec Sheet](#)

INSTALERT 24



The InstAlert 24 is the most portable MUTCD compliant variable message sign available making every day portable use or permanent installation simpler than ever.

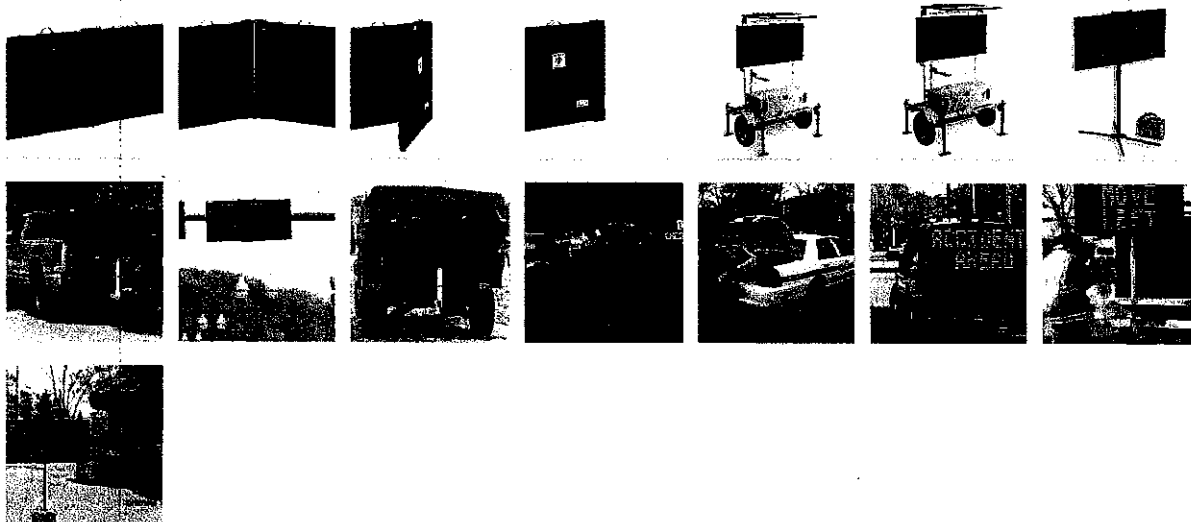
Conditional sensor messaging allows different messages to be displayed based on live inputs, including road surface or air temperatures, timer values, vehicle weights, high winds, and available parking spaces.

Enhance with Time-to-Destination Technology. DriveTimes™ allows traffic conditions using cloud-based communications in the form of live travel times for custom routes, updated constantly on a sign, anywhere, without the need for fixed sensor infrastructure.

[InstAlert 24 Product Sheet](#)

[InstAlert 24 Technical Spec Sheet](#)

PRODUCT GALLERY



Got questions? We'd love to talk to you.

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Enforcement Departments, Commercial
Agencies, and more.

*"The data is phenomenal. My only regret is that we didn't start
using it sooner."*

TRAFFIC SERGEANT BOB RAHAEUSER
LAGUNA POLICE DEPARTMENT



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**ALL TRAFFIC
SOLUTIONS**



INTELLIGENT TRANSPORTATION SYSTEMS FOR A CONNECTED WORLD

time-to-destination | wrong way detection | counter classifiers | data collection
parking notification | smart work zones | custom messaging

All managed online with the TraffiCloud™



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Custom Messaging Solutions

TIME TO DESTINATION TECHNOLOGY:

Display Time to Destination Messages with No Sensors

Drive Times displays messages with live travel times for your routes, updated constantly on a connected VMS using the TraffiCloud. Simply mount a variable message sign, configure a route on the TraffiCloud interface and display time to destination messages with no sensor infrastructure. Even dynamically display a best route based on current travel times.

DriveTimes enables Safe Work Zones – ease of configuration makes Drive Times practical in constantly moving work zones for travel or delay times as well as alternate routes.

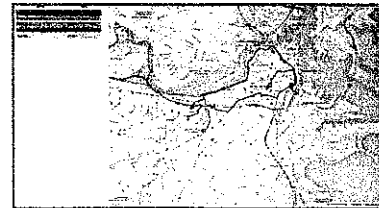


Drivers are more patient when they know the delay to expect, preceding and at intervals within a work zone.

VIRTUAL DRIVE TIMES:

Help Drivers Select the Best Route Before They Hit the Road

Let drivers know the best exit strategy as they head to their vehicles from hotel lobbies, parking garages or in public elevators. With up to 5 different options displayed with the travel time for each, drivers will know to take the optimal route reducing downstream congestion.



CONDITIONAL SENSOR MESSAGING:

Display Dynamic Messages Based on Live Inputs

Incorporate sensor or network data into messages on variable message signs. Information can include digital inputs, analog inputs or serial strings. Signs can display such items as time-to-destination, road surface or air temperatures, timer values, wait-times, weather or emergency notifications, vehicle weights, available parking spaces and more from a variety of device sensors.



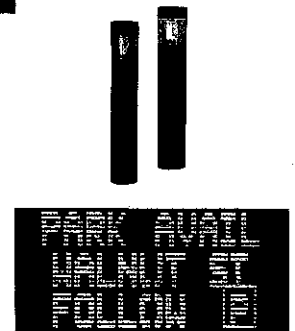
SENSOR	TYPE	VALUE	UNIT
TEMP	ANALOG	72.5	°F
WGT	DIGITAL	15000	LB
TIME	DIGITAL	12:30	MM:SS
STATUS	DIGITAL	01	BIT

Time to green for a work zone traffic signal

PARKING NOTIFICATION SYSTEM:

Guide Drivers to Available Parking with Dynamic Messaging that Change as Availability Changes

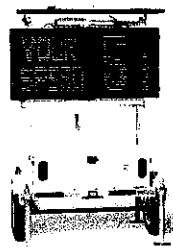
Guide drivers to available parking spots with VMS messages that change dynamically with availability using cloud-based data from parking tracking systems. Or get them to the available spots with LED indicator bollards that display availability with a simple red or green indicator.



Manage every component of your traffic safety program with the TraffiCloud.

Ask us about your traffic safety hardware from other manufacturers to see if it is compatible with the TraffiCloud.

Additional products from All Traffic Solutions



Radars Message Signs

The most flexible messaging system available.

Display messages tailored to a driver's speed, and collect data regardless of the display mode.



Variable Message Signs

The only folding portable message sign – compact and versatile.

Wrong Way Detection Technology

WRONG WAY DETECTION & ALERT SYSTEM

Detects and Warns Drivers and Alerts Authorities Preventing Accidents and Improving Roadway Safety

The Wrong Way Detection and Alert System detects vehicles traveling the wrong way down highway exit ramps and other one-way roadways, even when entrance and exit ramps are located immediately next to each other. Helping to prevent these dangerous situations from escalating, the system triggers a LED message to the driver warning them to stop and turn around. If the driver proceeds past the message sign another sensor confirms the vehicle traveling in the wrong direction and an alert is sent to designated responders via text message or email to deploy and attempt to stop the vehicle.



Red LED VMS displays

Counter Classifiers & Automated Data Collection:

NON-INTRUSIVE SENSING TECHNOLOGY

Say Goodbye To Road Tubes

ATS Counters are fully integrated multi-lane, bi-directional traffic data gathering devices featuring small size, no hassle field setup, non-intrusive sensing technology and extremely low power ensuring operational safety during installation and data retrieval. Data can be retrieved locally or can be automatically uploaded to the TrafficCloud so reports can be generated from any internet connected computer.

StatTrak – Collect bi-directional traffic in up to 4 lanes at once.

CrossTrak – The smallest and lightest 6 lane non-intrusive vehicle volume collector available. CrossTrak's integrated color sighting camera makes alignment during setup a snap. The unit collects data for over 1 week per charge.

SpeedLane – Accurately detect lane, speed and class of individual vehicles and compute per lane volume, occupancy, gap, average speed, 85th percentile and headway parameters in up to 8 user defined lanes.



StatTrak



CrossTrak



SpeedLane

* LEDs for above products are available in red, white and amber to meet your requirements.

For more information about any of our signs or solutions, visit www.alltrafficsolutions.com or contact us at 866-366-6602.



Radar Speed Displays

The most flexible and portable signs available.



Hand-Held Lidar

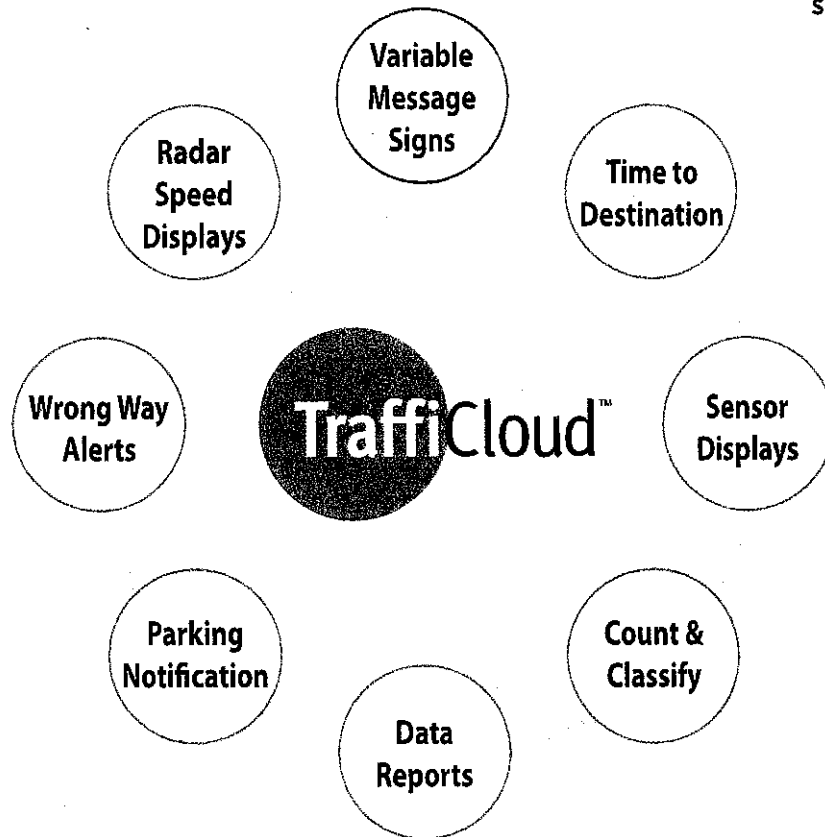
Speed enforcement in affordable light-weight packages



Automated License Plate Recognition

Track vehicles and find designated targets

**ALL TRAFFIC
SOLUTIONS**



TrafficCloud™ – Where Traffic Solutions Merge

ALL YOUR EQUIPMENT AND DATA. ALL IN ONE PLACE.

TrafficCloud™ is All Traffic Solutions' secure, web-based ecosystem for managing ALL your traffic safety equipment. While our best-in-class hardware helps improve your traffic flows, complimenting this equipment with our TrafficCloud™ helps improve your workflows. Leveraging a consistent interface across all your traffic management equipment, TrafficCloud™ provides a new level of awareness while reducing the amount of time needed to manage your equipment and information.

Collect data automatically from all your equipment on the TrafficCloud, then access it when and where you need it.

Use the data to dynamically manage your equipment and enhance its ongoing value.

Achieve a new level of awareness and Total Traffic Safety Management.

All Traffic Solutions

All Traffic Solutions engineers and manufactures 100% cloud-based signs that are incredibly smart, yet simple to use. Our signs let you do more with fewer resources, and our full-time technical support department will ensure that you maximize the utilization of your equipment. With thousands of signs in all 50 states and 20+ countries, you can count on All Traffic Solutions to bring you truly innovative devices for the best traffic safety outcomes.

Our industry-leading TrafficCloud leverages our patented technology (US Patent 8,417,442) to deliver unique cloud-based management features and functionality.

All Traffic Solutions
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Toll-Free: 866.366.6602
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ALLSTON CIVIC ASSOCIATION

Mailing address: 44 Aldie St. Allston, MA. 02134

April 24, 2016

Committee Members
Harvard Flexible Fund

RE: Boston Police District 14--\$96,000.00 for the purchase of Four (4) Speed Alert Display Board Trailers w/Smart Apps.

Dear Committee Members,

On Wednesday April 20th the Allston Civic Association was asked to support a request by the Boston Police Dept. for 4 Speed Alert Display Boards for Allston/Brighton.

This fund has a broad spectrum of consideration for use of these funds. This particular request falls under "Public Safety".

The membership felt that protecting our citizens was well within the scope of how these funds could be used and voted to support this request.

Sincerely,

Paul Berkeley

Paul Berkeley
President

Cc: Mark Ciommo, Councilor District 9



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mainstreets@allstonvillage.com
www.allstonvillage.com

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Daniel Toffling

Lilla Wood

Dear Executive Committee:

I am writing to you in support of the Boston Police District 14's application for the Harvard-Allston Public Realm Flexible Fund to grant four (4) speed alert display trailer units for the Allston area. With an increase in cycling accidents, traffic, and construction activity, these speed alert display units will help to promote roadway safety.

With the use of these speed alert display trailer units, Allston roadways will become safer for cyclists, motorists, and pedestrians. These boards act as educational tools with simple reminders to buckle up, watch for cyclists, and pay attention to one's speed. Using education campaigns, along with enforcement, has proven to be an effective way to increase safety on our roadways.

Allston Village Main Streets is proud to endorse this effort for increased street safety in Allston.

Sincerely,

Emma Walters
Executive Director
Allston Village Main Streets



April 27, 2016

Re: Harvard –Allston Public Realm Flexible Fund

To the Executive Committee:

The Allston Board of Trade would like to express its full support for the funding of the four (4) speed alert display boards which would be installed in the Allston area.

Far too often we read about accidents and injuries caused by speeding motor vehicles. In addition, as the proposed public safety states, there is an increase in traffic throughout the Allston area due to the many construction and building renovation projects. This puts pedestrians, cyclists and other vehicles at a greater risk, so any initiatives to reduce speeding vehicles are welcomed.

The speed alert boards have proven to be a very effective way to alert drivers of their speed. The proposed placement of these is a good recommendation due to the heavy traffic on the roads leading to and from the Massachusetts Turnpike.

The Allston Board of Trade Directors (listed below) voted to support this proposal to promote road safety.

Thank you and best regards,

Ann Faldetta
President, Allston Board of Trade

Andrew McGarty, New Balance Athletics, Inc.
Benny Omid, Dunkin' Donuts
Bill Margolin, West End House Boys & Girls Club
Bill Mills, Boston College
Bob Imperato, Boston Realty Associates
Carol Woolston, Saint Joseph Preparatory HS
Dan Cuddy, Private Industry Council
David Price, WGBH
Elizabeth Leary, Boston University
Grant Nickerson, Rockland Trust
Heather Kim, Douglas Paul Real Estate

Jerry Quinn, Brighton Ave. Realty
Jim Barrows, Harvard University
Joseph Charles, Rock City Pizza
Marc Kadish, MAK Properties
Paola Ferrer, Joseph M. Smith Community Health Center
Patrick Dillon, Tavern in the Square
Rosie Hanlon, Jackson Mann Community Center
Scott Matalon, Stingray Body Art
Seth Delury, Tavern in the Square
Shlomo Pinkas, Sam-Son Apartments
Tatiana Bougdaeva, East Boston Savings Bank
Thomas Myers, Oak Square YMCA