


GLANCE
# TRAVELSAFELY™

## Connected Vehicle & Smart City Solutions

POWERED BY APPLIED INFORMATION

### TRAFFIC SIGNALS
Drivers can see when traffic lights will change

### SCHOOL BEACONS
Drivers are alerted when they are speeding in a school zone

### TRAVELSAFELY™ APP
Members of the public using the TravelSafely app are seamlessly connected to your city and other motorists using the app.

*Glance TravelSafely combines Smart City solutions with advances in Connected Vehicle technology to create a network of knowledge that makes your roads safer. The connected devices also make it much easy to manage your network and infrastructure.*

### EMERGENCY VEHICLES
Motorists are alerted to emergency vehicles miles ahead of the actual arrival

### CYCLISTS & PEDESTRIANS
Cyclists and other Vulnerable Road Users are alerted of speeding vehicles

TravelSafely™ saves lives and improves traffic. The future is now. Bring this revolutionary, and life-saving technology to your city.

GLANCE TRAVELSAFELY™

# Revolutionize Traffic in Your City.

Glance TravelSafely™ is a new smartphone application, developed by Applied Information, that uses cutting-edge technology to make the promise of connected vehicles a reality. Harness the power of connected vehicle technology to make your city smarter, and your residents safer.




## Leverage Smart City Technology

The Applied Information Glance Smart City Supervisory System™ connects your intersections, school beacons, and emergency vehicles to form a cohesive, connected system.



### Traffic Signal

Glance will connect your intersection cabinets so you can remotely control and monitor traffic lights.



### Preemption Systems

Our cellular based preemption systems helps emergency responders arrive safe with ground-breaking technology.




### School Beacons

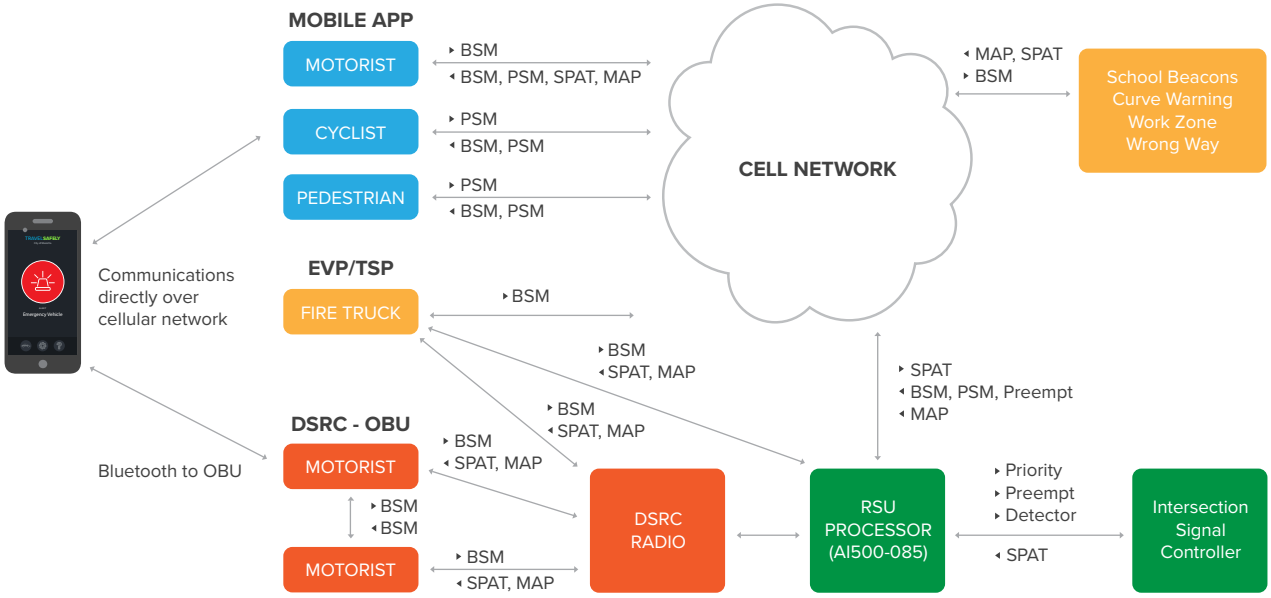
Remotely update timing plans and diagnose failures with Glance.

Get Connected. Save Lives. Improve Traffic.

# TravelSafely™ Applications

1. SPaT/MAP display of signal timing
2. Emergency vehicle getting through the signal
3. Where is the emergency vehicle coming from?
4. Motorist – Cyclist communication
5. Motorist – Pedestrian communication
6. Rear end collision warning
7. Virtual/advance traffic detectors
8. Red-light running at traffic signals
9. Intelligent school beacons
10. Curve warning/reduce speed
11. Pedestrian crossing detection
12. Bus/transit priority

## Connected Vehicle Message Flow




*BSM = Basic Safety Message (vehicles) | PSM = Personal Safety Message (cyclists & pedestrians)*
*SPAT = Signal Phase and Timing Messages | MAP = Geometry Message*

TravelSafely is a new connected vehicle technology that interfaces with traffic signal controllers and sends the information to motorist via Dedicated Short Range Radios (DSRC) and cellular communications. The TravelSafely application works with cellular communications only, DSRC only or both technologies together. The system comprises of an RSU processor (AI-500-085) that interfaces to the traffic signal controller and receives Signal Phase and Timing (SPaT) messages. The RSU processor transmits these messages to the DSRC radios and via the cellular network to the TravelSafely Server. The motorist receives information via the TravelSafely application in their vehicle either directly over the cellular network or connected via bluetooth to the DSRC On-Board-Unit (OBU).


applied INFORMATION

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