



applied
INFORMATION

connect.

comprehend.

Applied Information Inc.

Applied Information Inc is a US-based technology company.

What we do for our customers:

- Make the transportation products easier to deploy
- Provide information from the field easily and economically
- Provide hardened field devices; innovative low cost wireless telematics; cloud/web software and solutions

Background and Experience

- Company was incorporated in 2011
- Principles of the company have collectively 100+years of experience in the transportation market
- Headquarters located in Atlanta, GA
- Development offices in SA and India



Applied Information Inc.

- . Installed in over **220 Cities**
- . Over **7000** devices deployed
- . Over 60 employees with over **30 engineers**

Make Things Easier...

How do we make transportation **technology easier to deploy and maintain?**



applied
INFORMATION

Make Things Easier...

How do we make transportation **technology easier** to **deploy** and **Maintain** ?



- Cloud & Web based software
- No software required for Cities



- Devices that self locate themselves
- Build in Cell Modem & GPS



- Automatic configuration (no IP address)
- Synchronized with Central
- Over-The-Air (OTA) software updates



applied
INFORMATION

Make Things Easier...

Smart City Supervisory System that **monitor** Cities **Assets**



- Automated Alerts when fault detected
- AC failure, Flash, Battery Failed, etc



- Control & Configure Devices Remotely
- Know the problem before you leave



- Key Performance Indicators
- Automated Reports

What do we do?

Turn data into information



Wired, wireless, or cellular
Know the status of your devices
Right information at the right time

glance

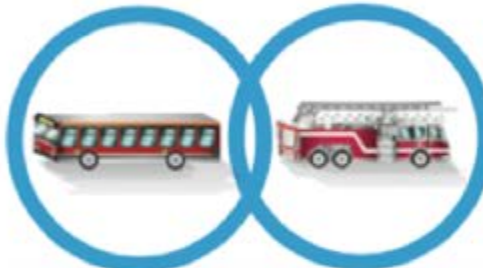
Cloud based
Key performance indicators
Report and analyze information



Intersections



Pedestrian Safety



Priority & Preemption



Mobile



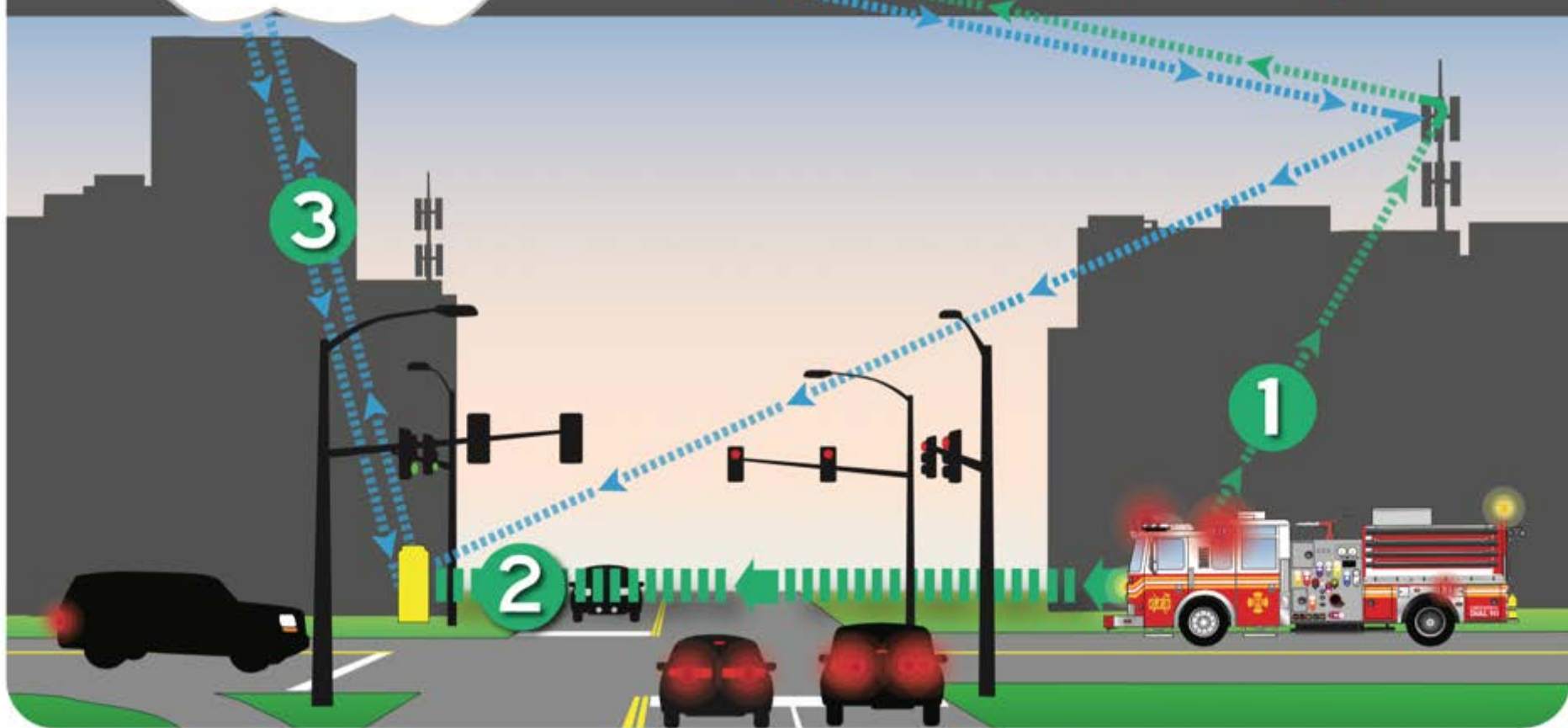
ITS Management

Glance
(cloud)

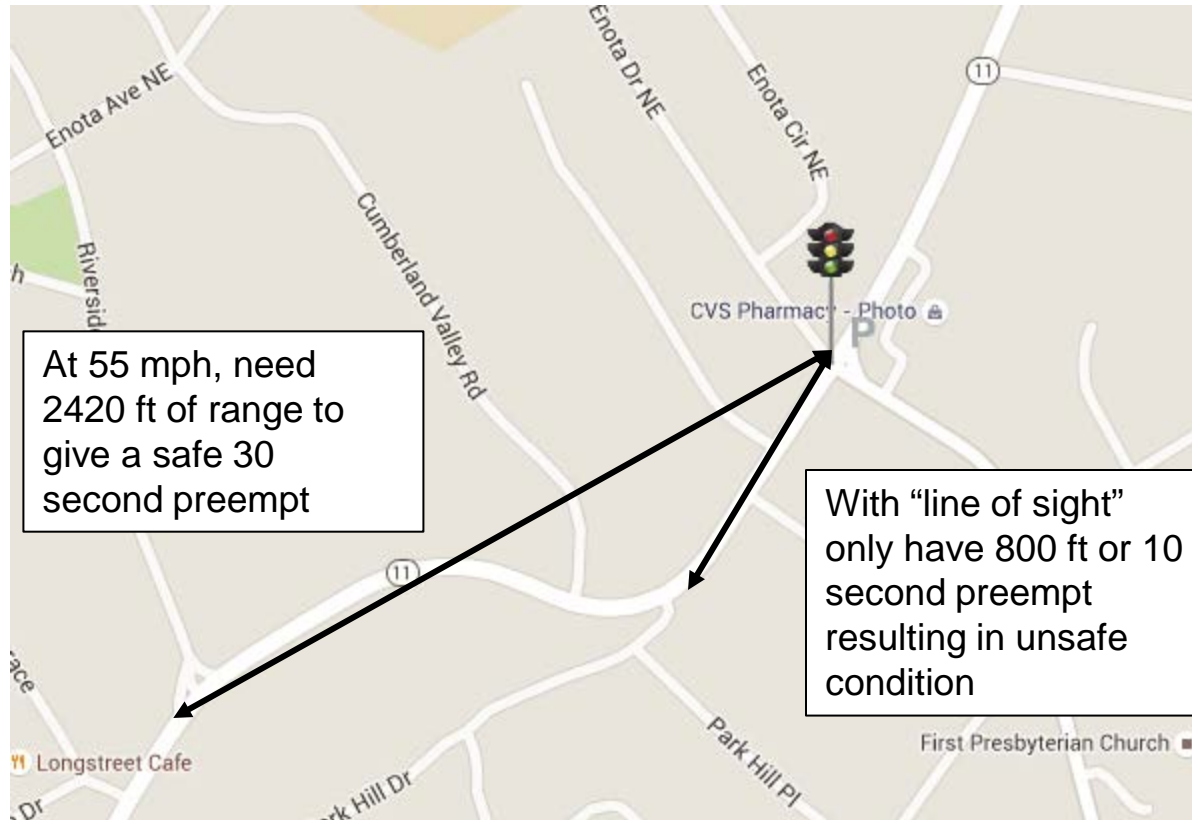
NEXT GENERATION

Preempt & Priority System

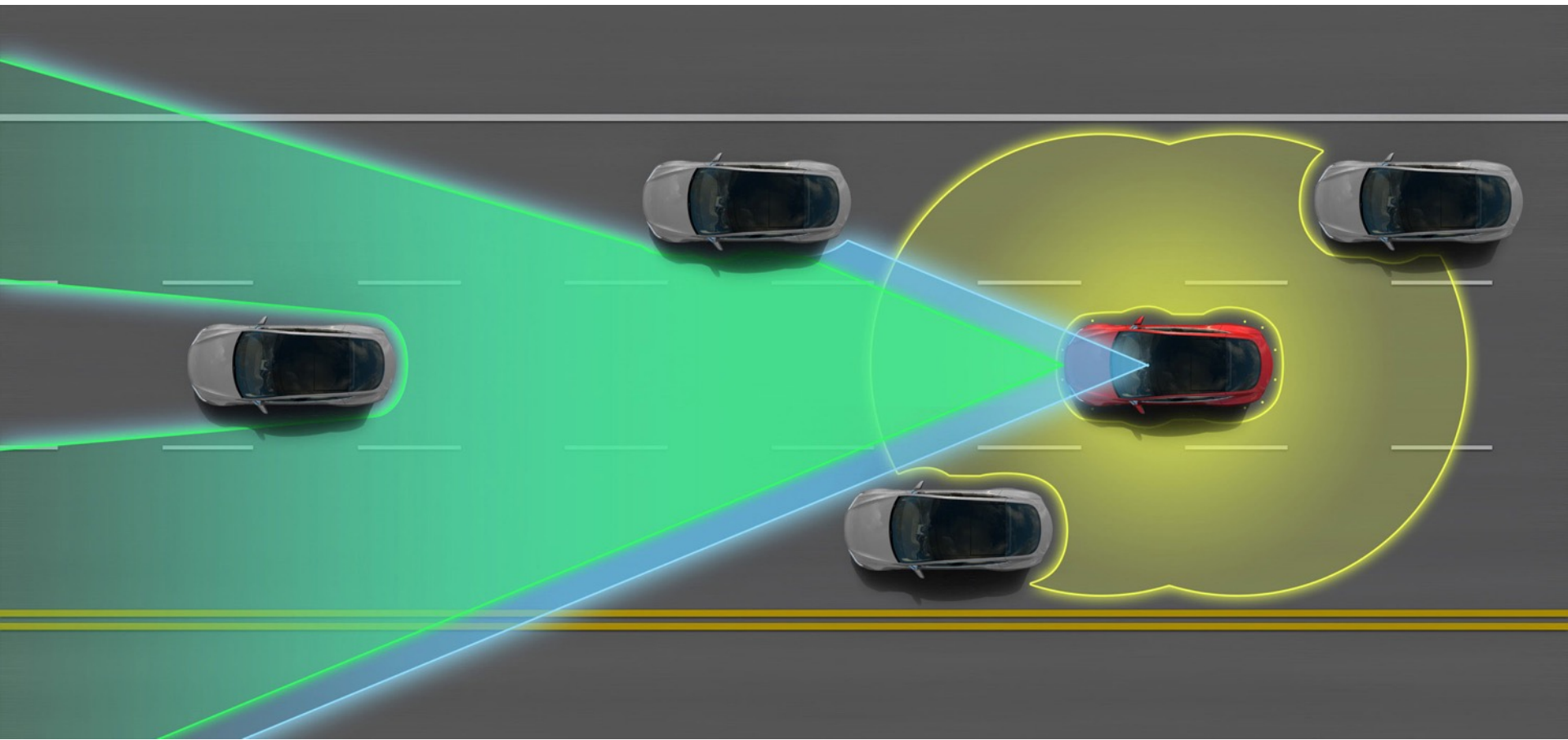
powered by  applied
INFORMATION



The Gainesville, GA example ...



Autonomous Vehicle



The Tesla Experience

Your Smart City just got smarter.

Connected Vehicle
& Smart City Solutions



10:11



GLANCE
TRAVELSAFELY™

How TravelSafely Works

TravelSafely™ uses cutting edge technology to connect your phone to a network of traffic intersections, school beacons, motorists, cyclists and pedestrians.

TRAFFIC SIGNALS

Drivers can see when traffic lights will change



SCHOOL BEACONS

Drivers are alerted when they are speeding in a school zone



An infographic of a city street scene. A dark grey road with white dashed lines runs vertically. On the left side of the road, there is a tall orange building with many windows, a green tree, and a blue circular icon with a white dot. On the right side, there are two buildings, one pink and one orange, and a blue car icon. Three callout boxes with white text and lines pointing to the icons are present. The background is a solid green color.

TRAVELSAFELY™ APP

Citizens using the TravelSafely app are seamlessly connected to your city and other motorists using the app.

The app uses audible warnings to alert you to potentially dangerous road conditions. By utilizing spoken alerts, TravelSafely allows you to focus on the road and receive alerts while using your favorite mapping app.

EMERGENCY VEHICLES

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

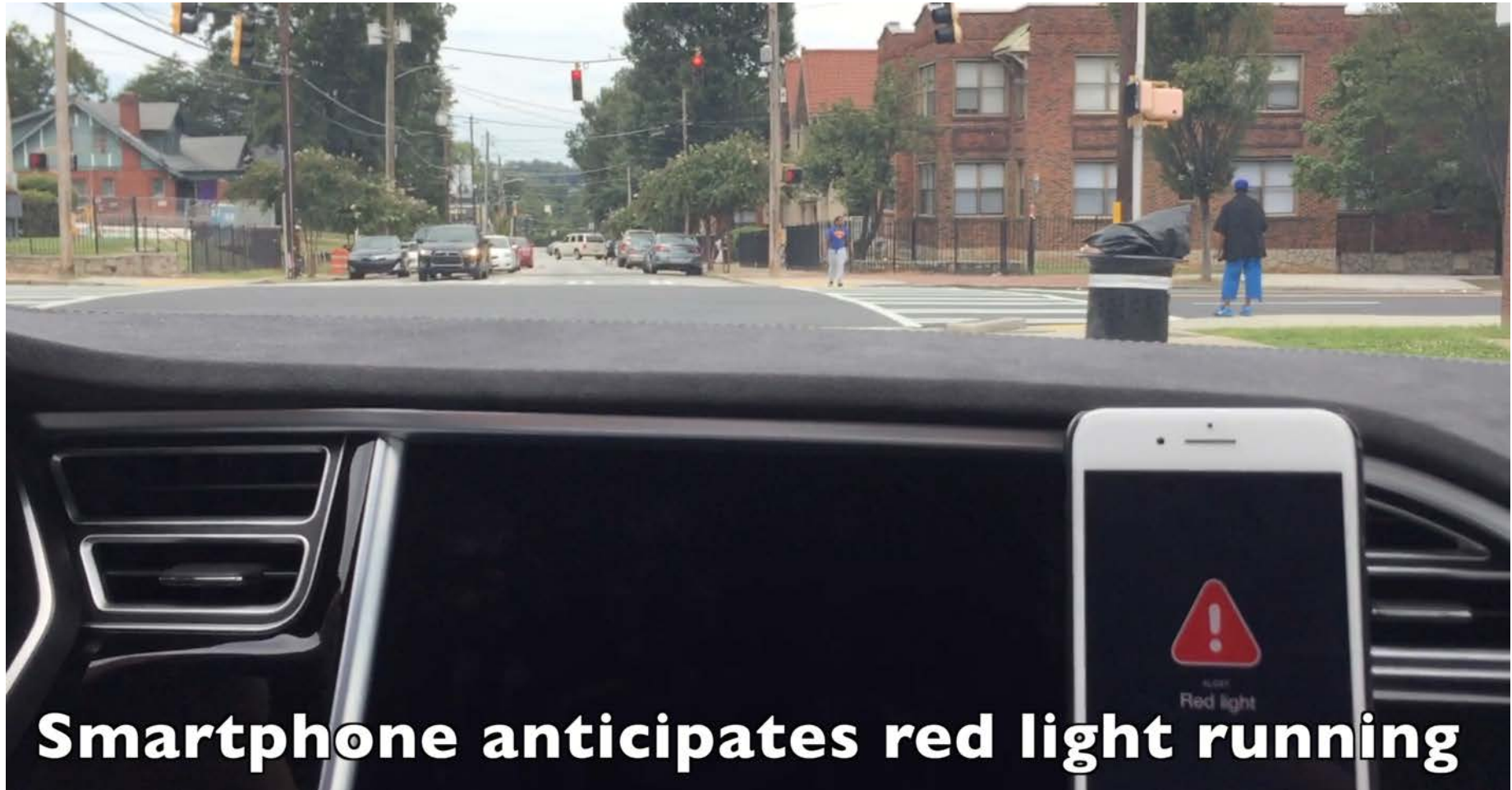
CYCLISTS & PEDESTRIANS

Cyclists and other Vulnerable Road Users are alerted of speeding vehicles

Signal Phase and Timing (SPaT)



Red-light running at traffic signals



Smartphone anticipates red light running

Curve warning/reduce speed



**Speeding alerts provided
in Sharp Curve Zones**

School beacons slow down



**School Zone connected to
TravelSafely application**

Emergency Response



applied
INFORMATION

Where Emergency Vehicle coming from?



Emergency vehicle alerts provided directly to motorists and pedestrians

Motorist/Cyclist communications

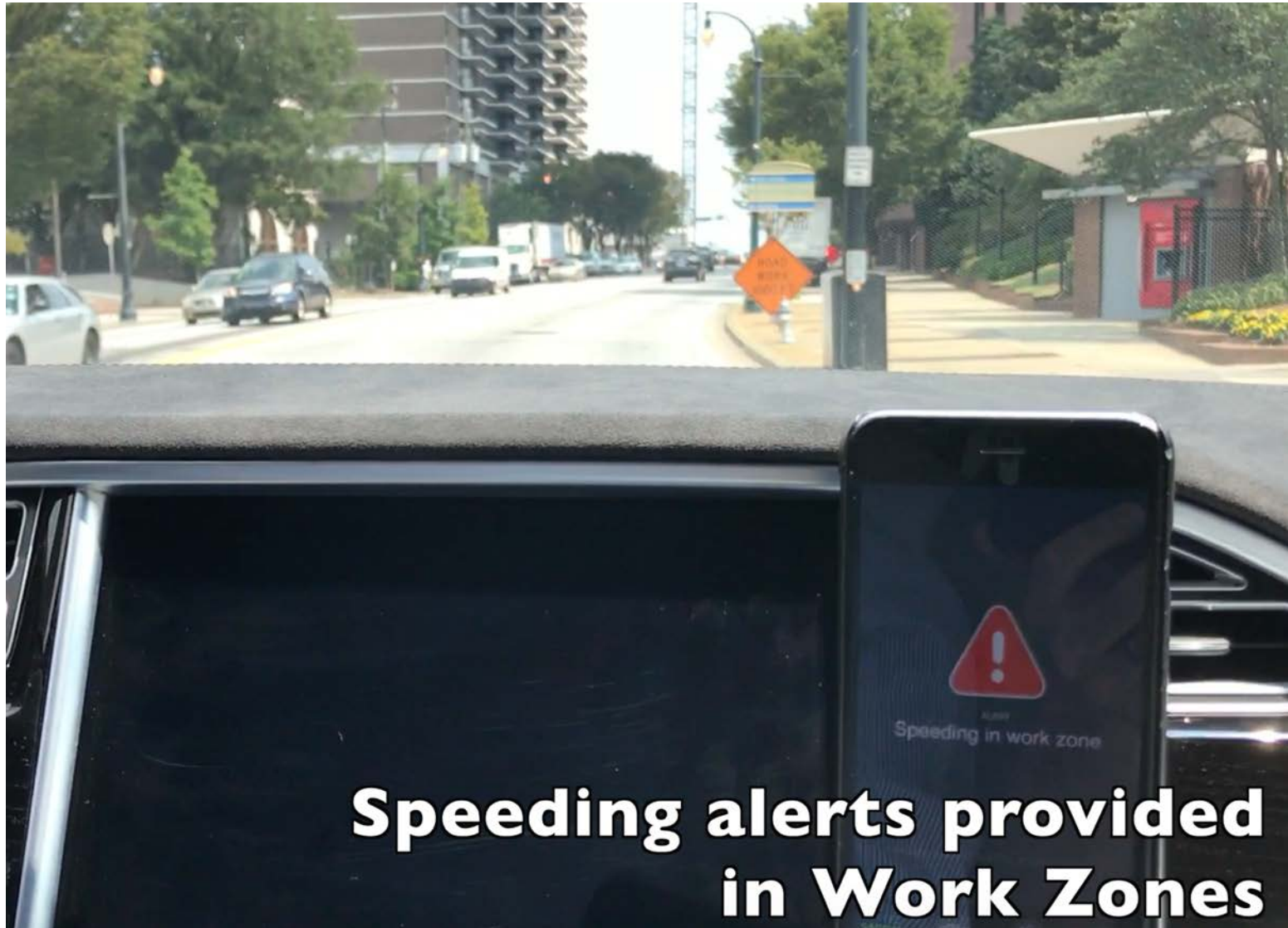


Motorist/Pedestrian communication



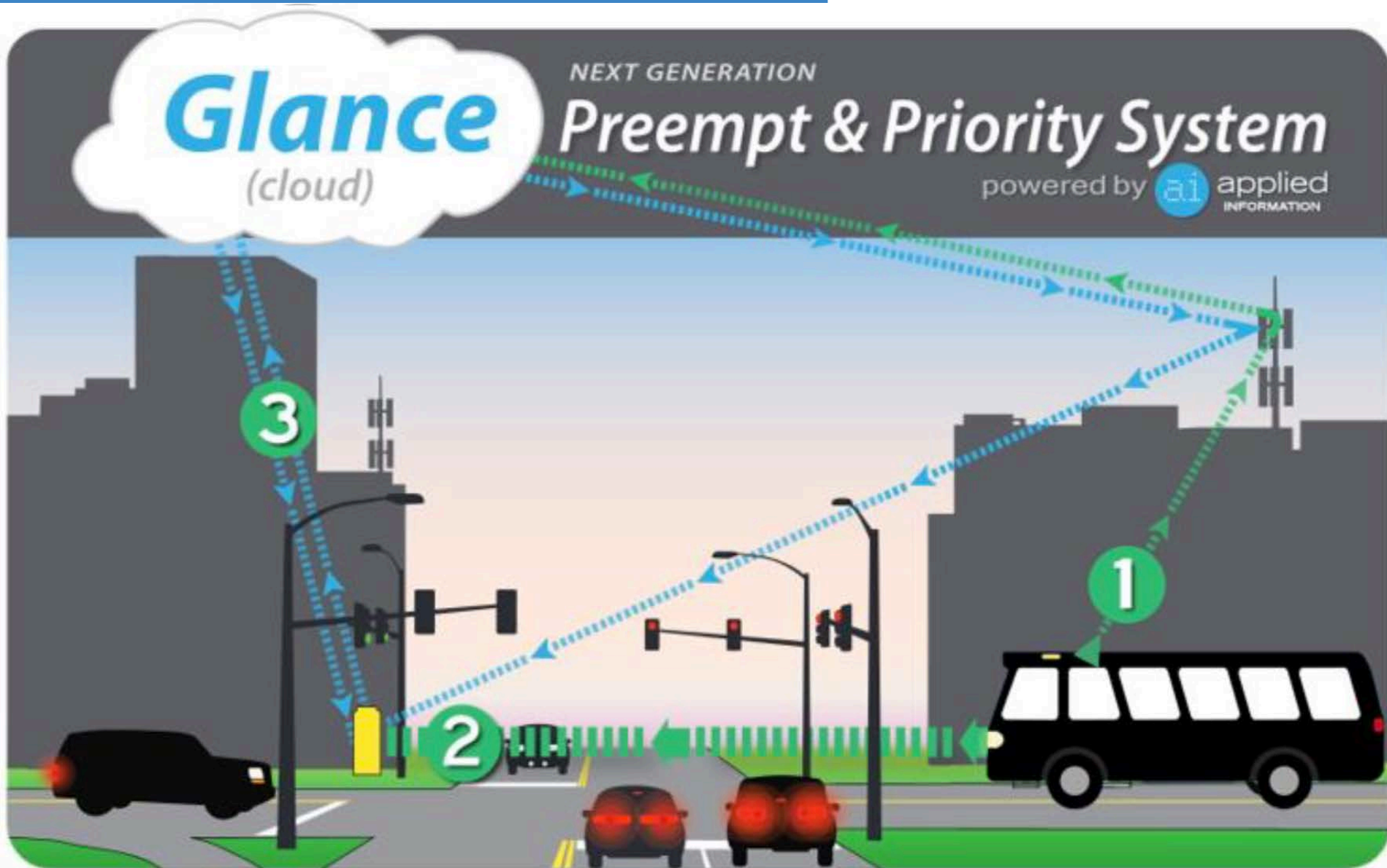
applied
INFORMATION

Work zone Warnings



**Speeding alerts provided
in Work Zones**

Transit Signal Priority



Truck Priority Using TravelSafely Pro



applied
INFORMATION

City of Marietta, GA

glance

City of Marietta - City of Marietta GA

powered by Applied Information

[Playback](#) | [Home](#) | [Edit Profile](#) | [Report](#) | [Log-Off](#)

Search

Name Status A

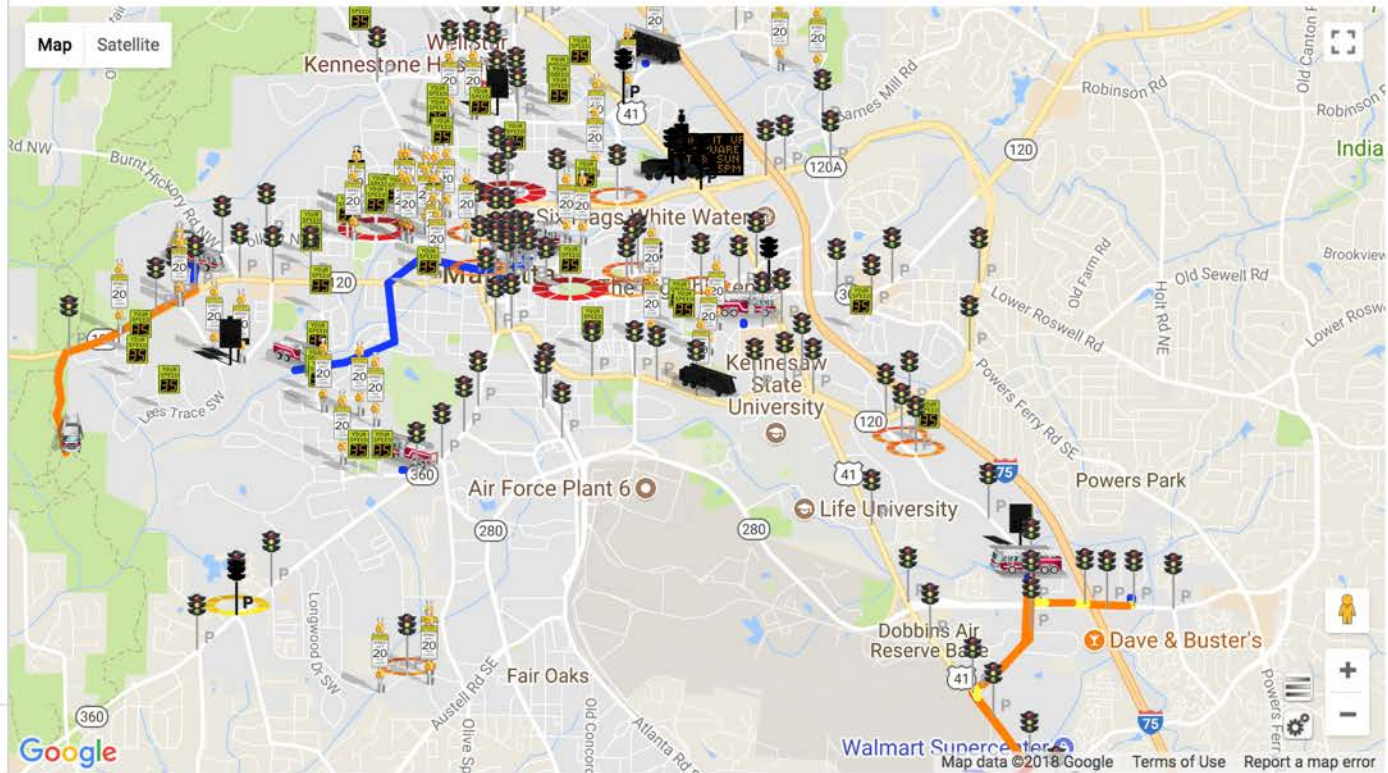
City of Marietta GA - Marietta DMS

WANCO1	Comms Fail	0
WANCO2	Comms Fail	0

City of Marietta GA - Marietta Feedback

● F_Polk_St_WB	Online	1
● F_Roswell_Corywell	Online	1
F_Bells_Ferry_NB	Comms Fail	0
● F_Bells_Ferry_SB	Online	0
● F_Burnt_Hickory_Rd	Online	0
● F_Campbell_Hill_St	Online	0
● F_Charles_Ave	Online	0
● F_Cherokee_St_NB	Online	0
● F_Chestnut_Hill_NB	Online	0
● F_Chestnut_Hill_SB	Online	0
● F_Chicopee_St	Online	0
F_Church_St_SB	Comms Fail	0

Alarms	Critical	High	Low
15	4	1	10



applied
INFORMATION

University of Alabama

glance

City of Tuscaloosa - City of Tuscaloosa AL

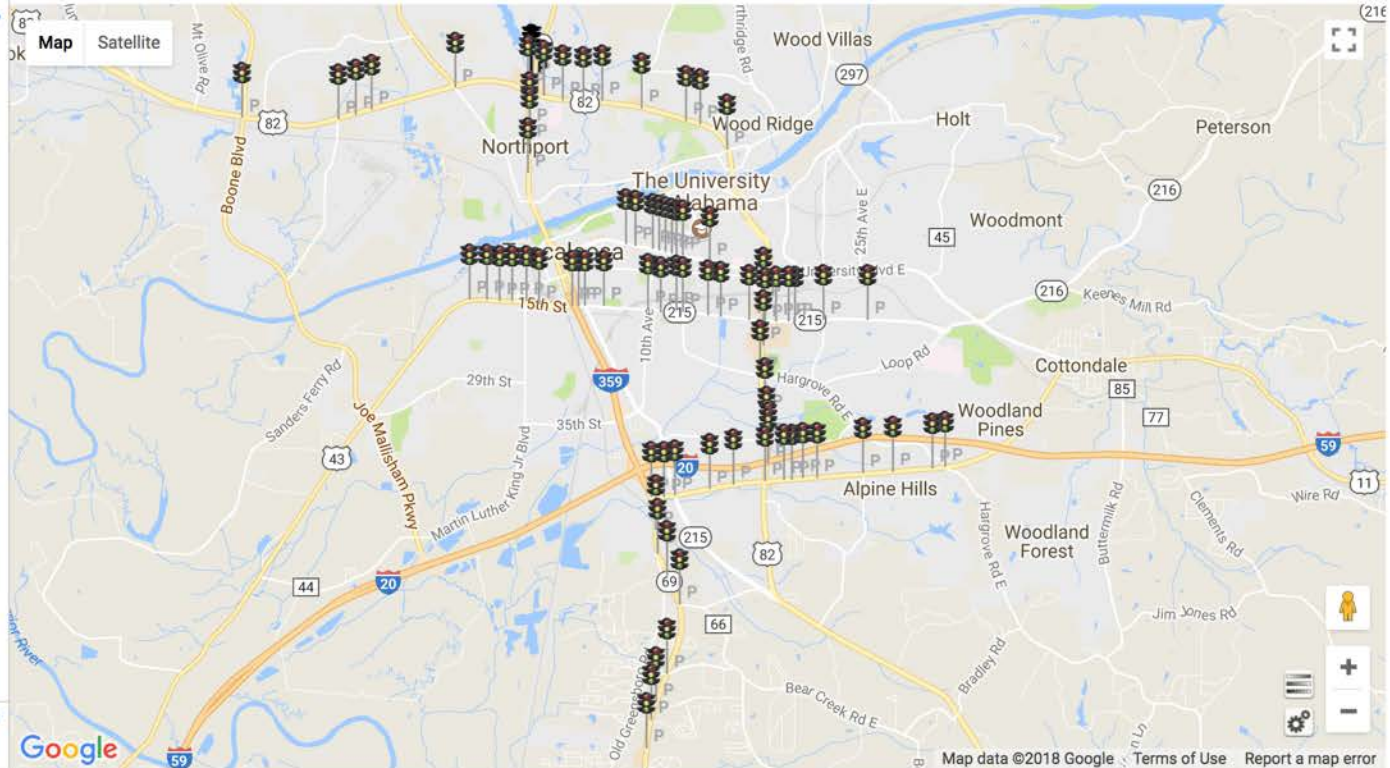
powered by Applied Information

[Playback](#) | [Home](#) | [Edit Profile](#) | [Report](#) | [Log-Off](#)

Search

Name	Status	A
City of Tuscaloosa AL		
P_15th-10th_Ave	Online	0
P_15th-13th_Ave	Online	0
P_15th-19th_Ave	Online	0
P_15th-26th_AveE	Online	0
P_15th-2nd_Ave	Online	0
P_15th-36th_Ave	Online	0
P_15th-38th_Ave	Online	0
P_15th-69_NB	Online	0
P_15th-69_SB	Online	0
P_15th-Culver_Dr	Online	0
P_15th-Dn_Wshngtn	Online	0
P_15th-Eastwood	Online	0
P_15th-Greensboro	Online	0
P_15th-Hackberry_Ln	Online	0
P_15th-Hillard	Online	0
P_15th-Lake_Ave	Online	0

Alarms	Critical	High	Low
0	0	0	0



Current TravelSafely Apps

- SPaT/MAP display of signal timing – V2I
- Red-light running at traffic signals – V2I
- Bus/transit priority – V2I
- Intelligent school beacons – V2I
- Emergency vehicle getting through the signal – V2I
- Where is the emergency vehicle coming from? – V2V
- Motorist – Cyclist communication - V2V
- Motorist – Pedestrian communication – V2V
- Workzone warnings – V2I
- Curve warning/reduce speed – V2I
- Rear end collision warning – V2V
- Virtual/advance traffic detectors to make signals v better – V2I

Future TravelSafely Apps - 2018

- Wrong way detection – V2I
- DMS message sign annunciation – V2I
- Weather Warnings – V2V
- Congestion Ahead Warning – V2I
- Railroad crossing active ahead – V2I
- Event management area management V2I

Virtual Advanced Detection

- Advanced detection at each traffic signal
- ETA based (10sec) or location based
- Can detect different classes (vehicle, cyclist)
- On actuated intersection at night no reason for someone to arrive on red
- Working on pedestrian detection

DMS Message Sign Annunciation



applied
INFORMATION

What do we do?

Turn data into information



Wired, wireless, or cellular
Know the status of your devices
Right information at the right time

glance

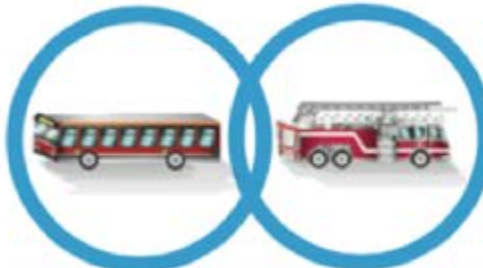
Cloud based
Key performance indicators
Report and analyze information



Intersections



Pedestrian Safety



Priority & Preemption



Mobile



ITS Management