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

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Applied Information Inc.

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

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Make Things Easier…

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

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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

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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

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What do we do?

Turn data into information

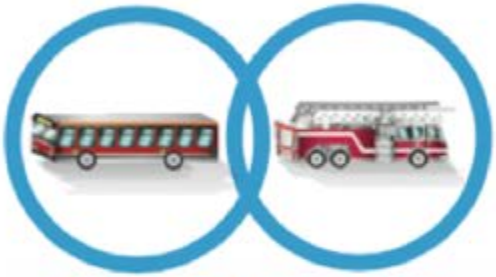
Wired, wireless, or cellular
Know the status of your devices
Right information at the right time

glance

Cloud based
Key performance indicators
Report and analyze information

Intersections

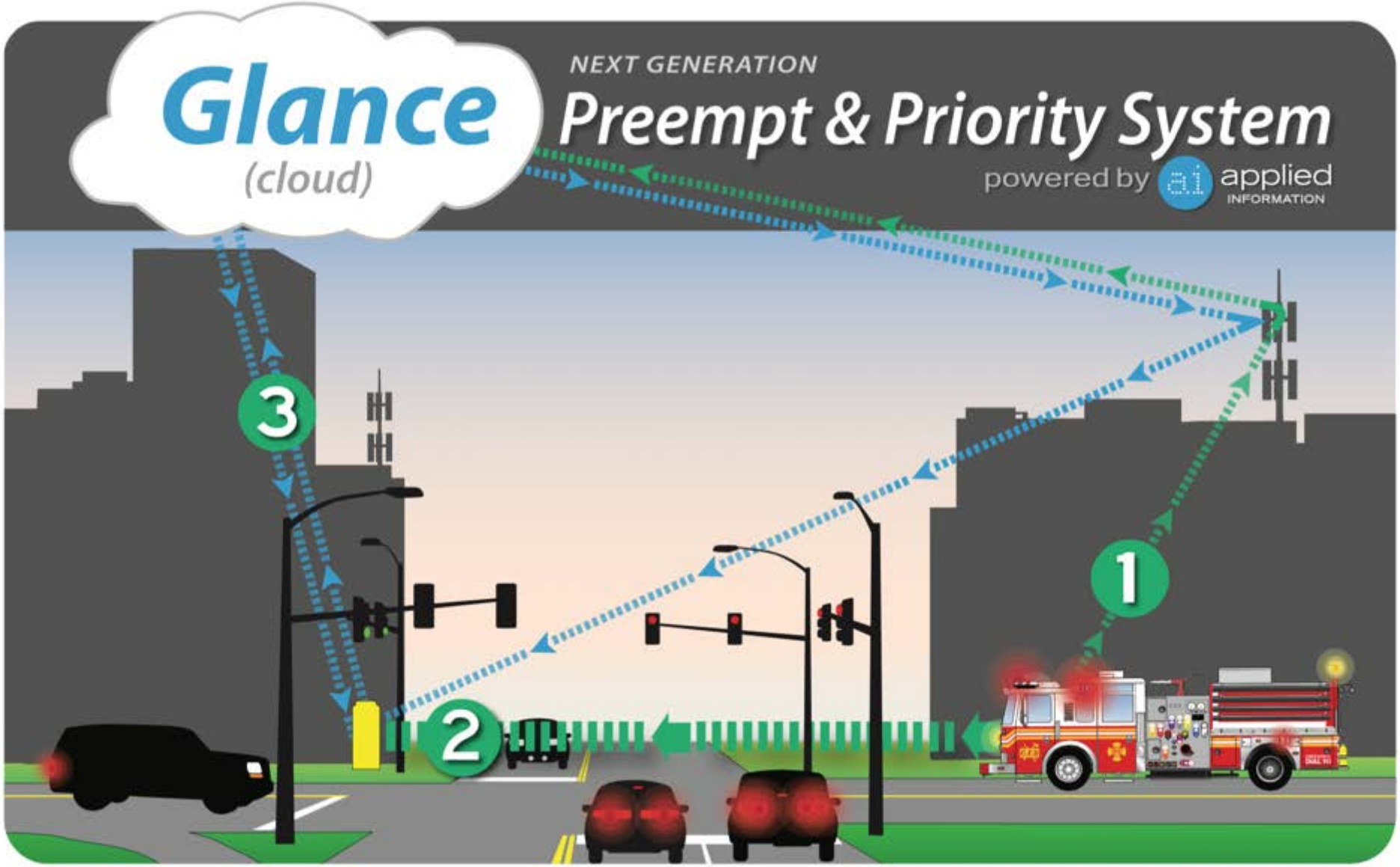
Pedestrian Safety



Priority & Preemption

Mobile

ITS Management


Glance
(cloud)
NEXT GENERATION
Preempt & Priority System
powered by
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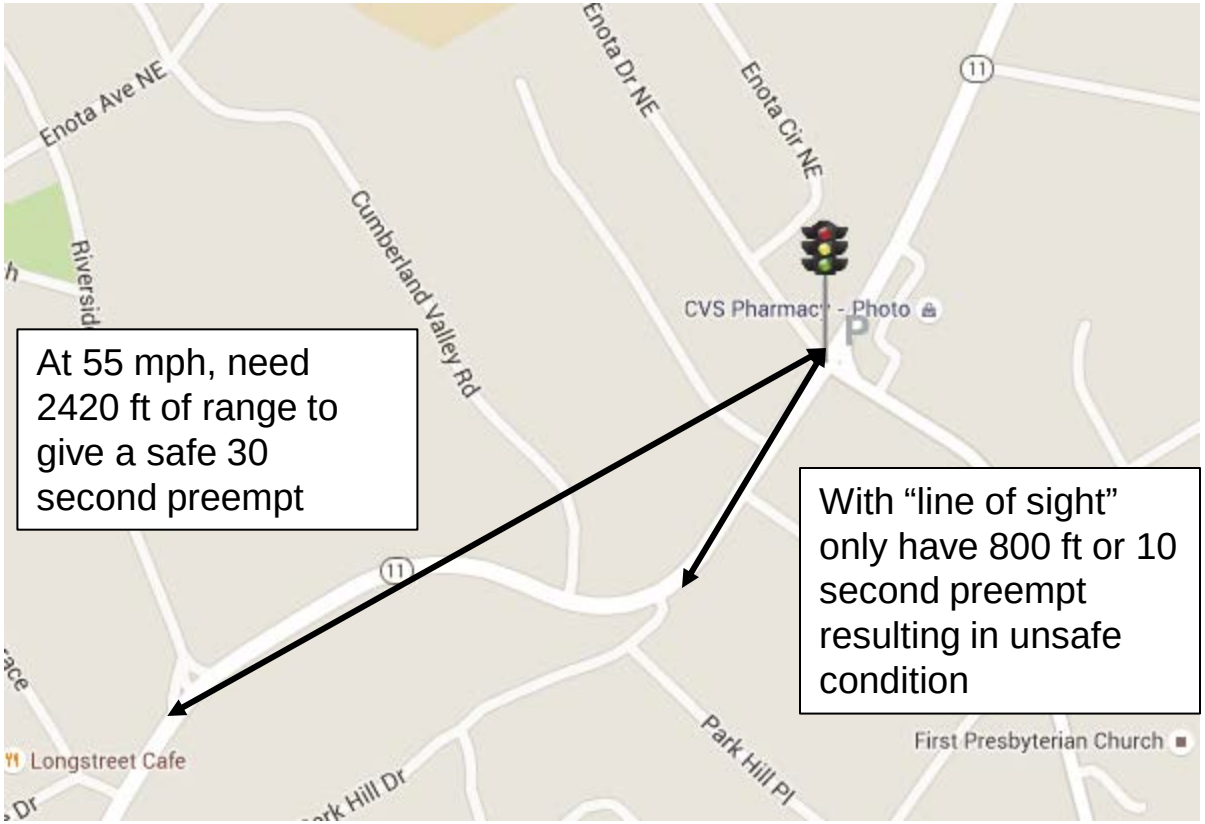
INFORMATION
3
2
1

The Gainesville, GA example …



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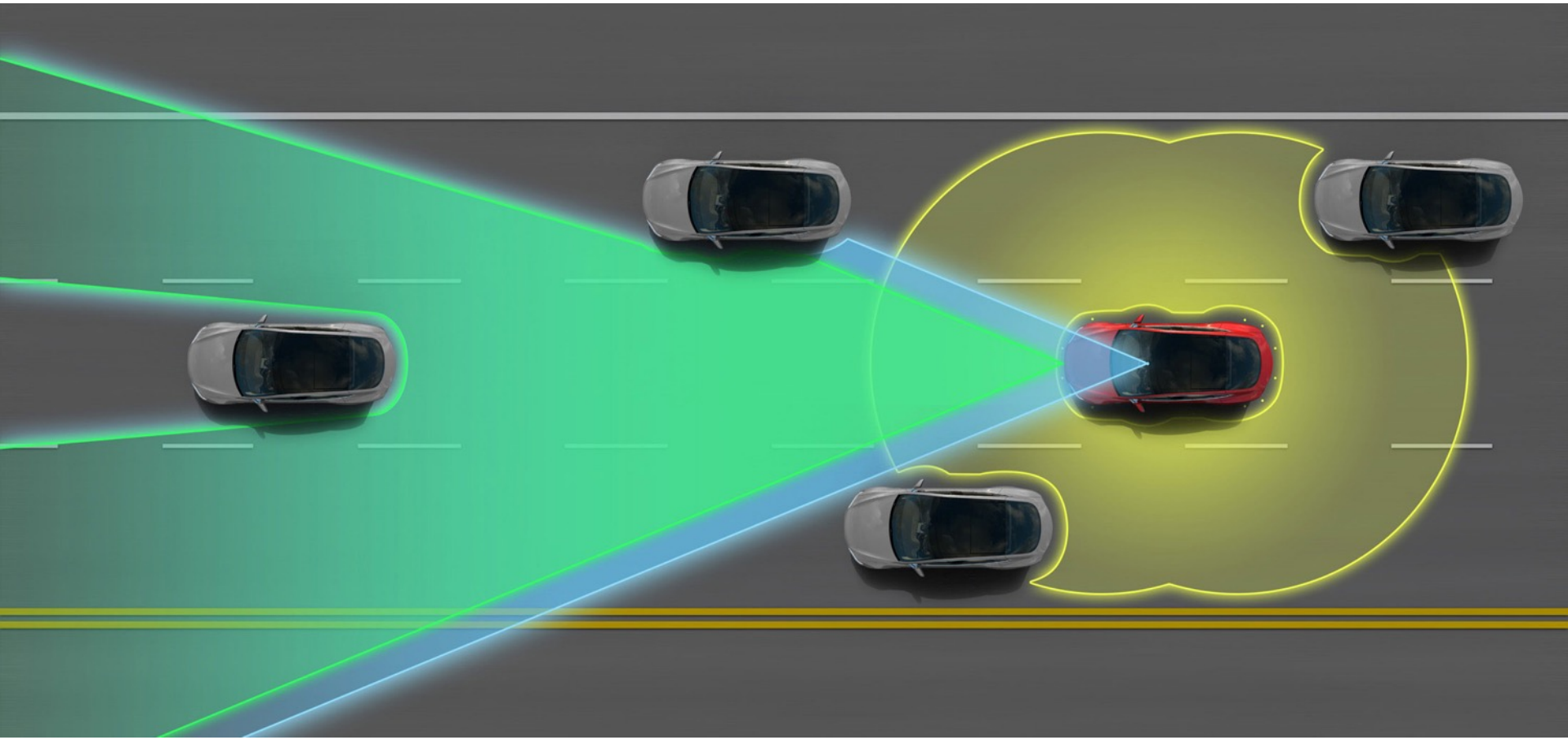
Autonomous Vehicle



The Tesla Experience

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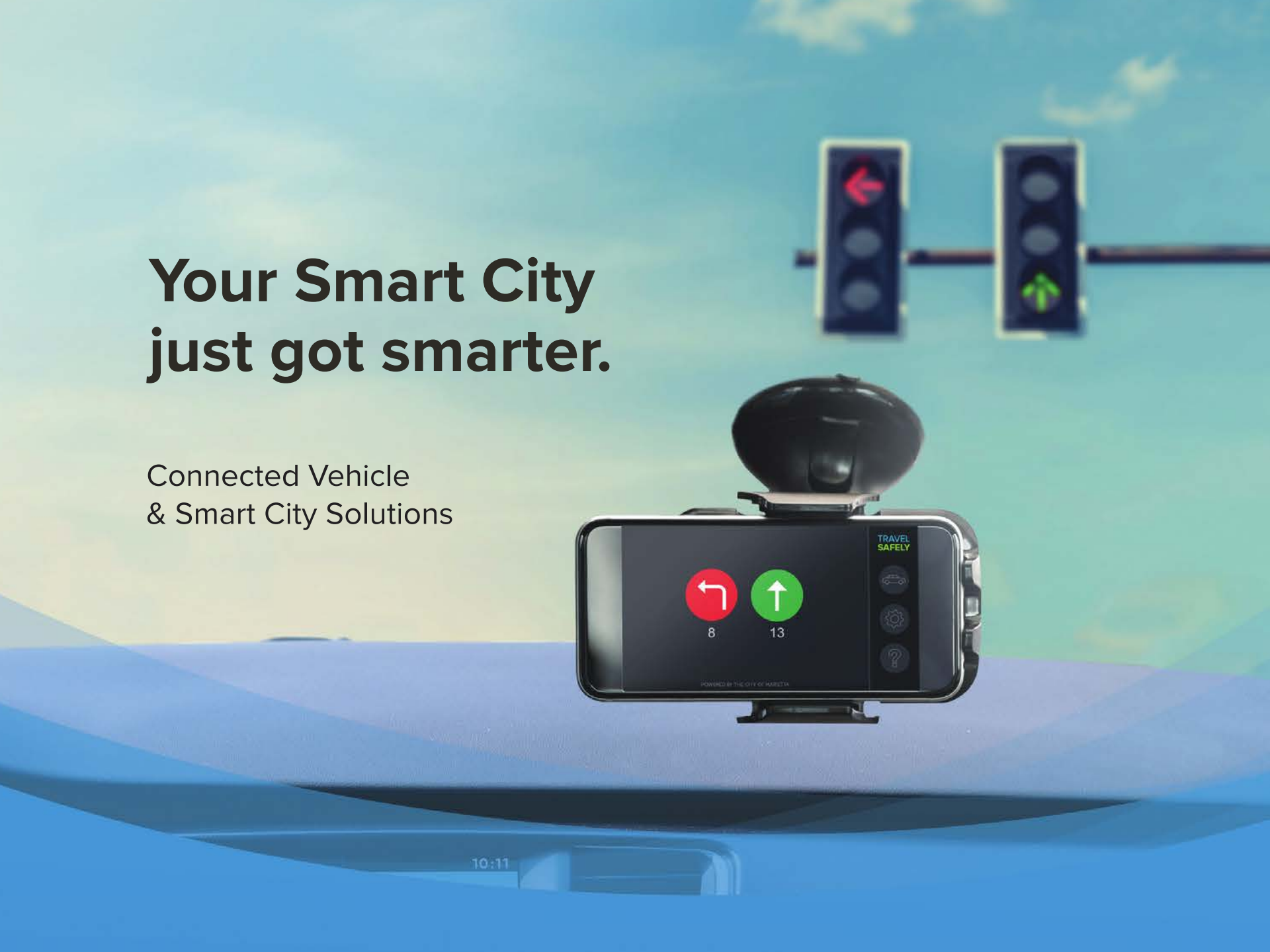
Your Smart City just got smarter.

Connected Vehicle
& Smart City Solutions



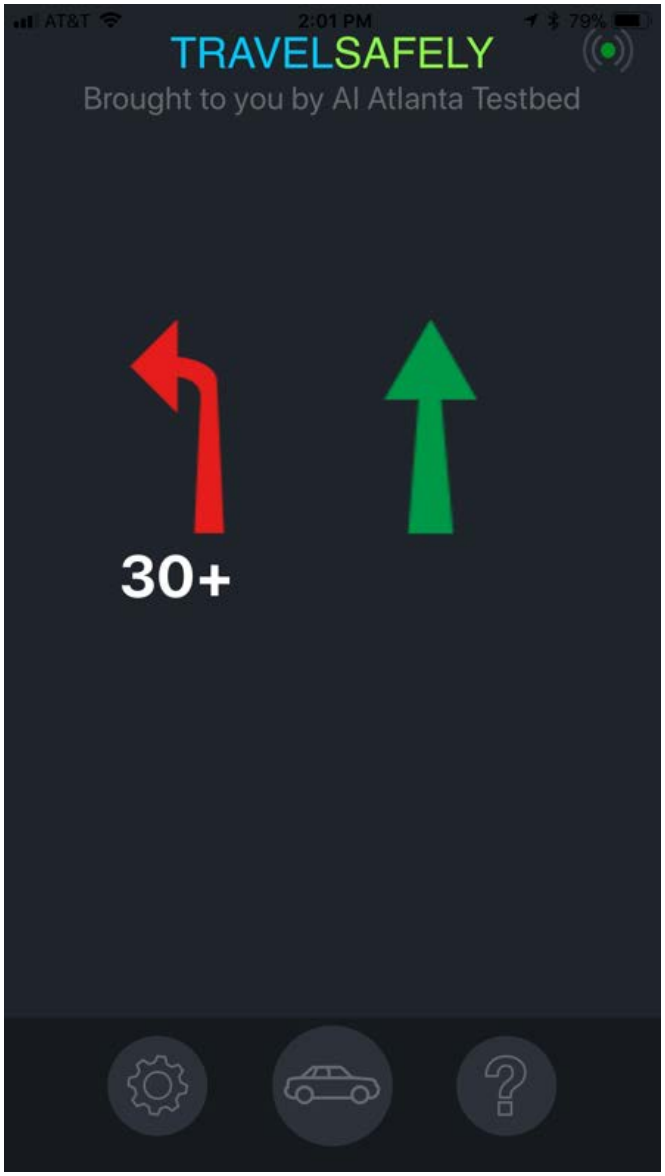
GLANCE TRAVELSAFELY™

How TravelSafely Works

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


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)



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Red-light running at traffic signals

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Curve warning/reduce speed

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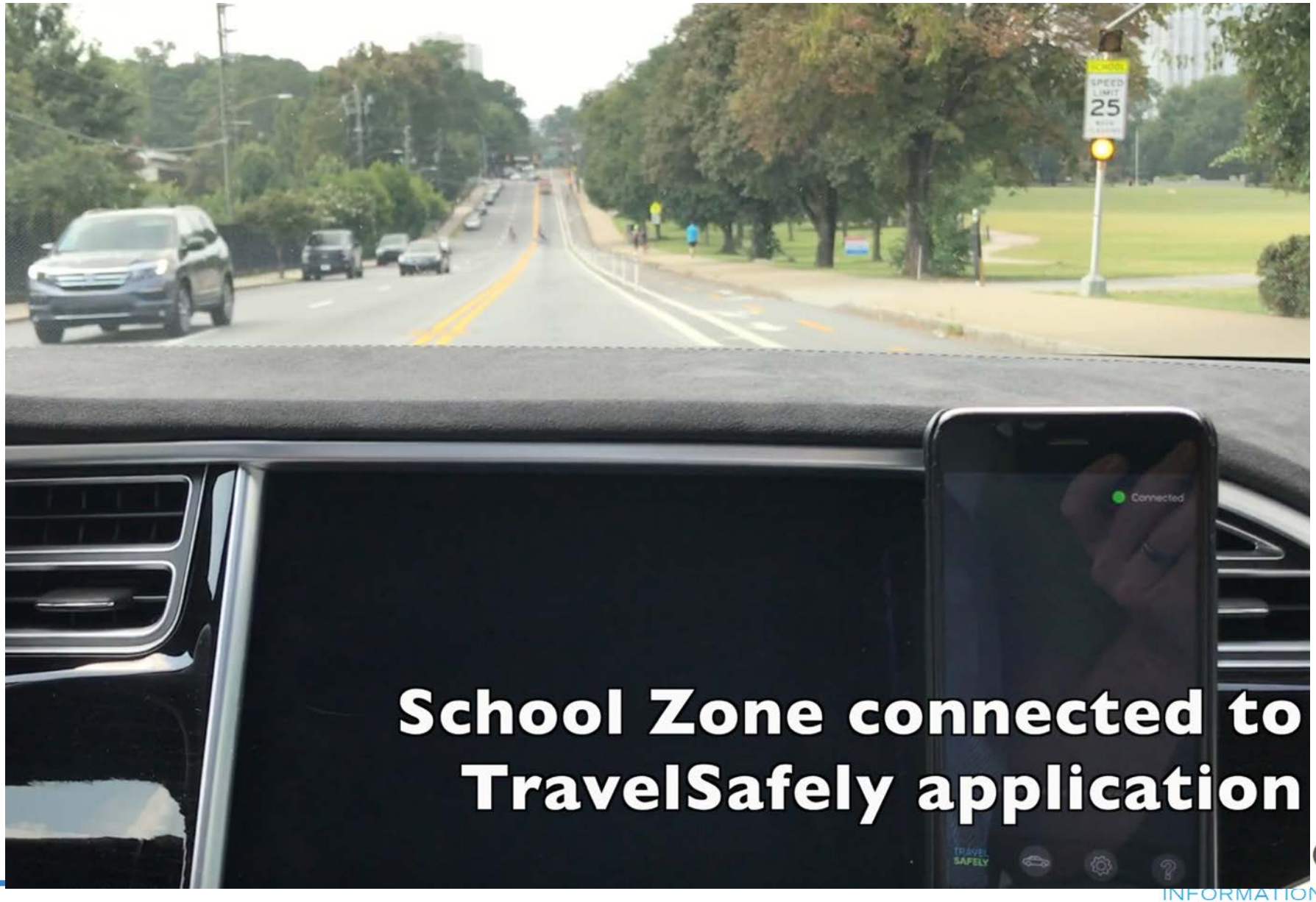
School beacons slow down



Emergency Response

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Where Emergency Vehicle coming from?

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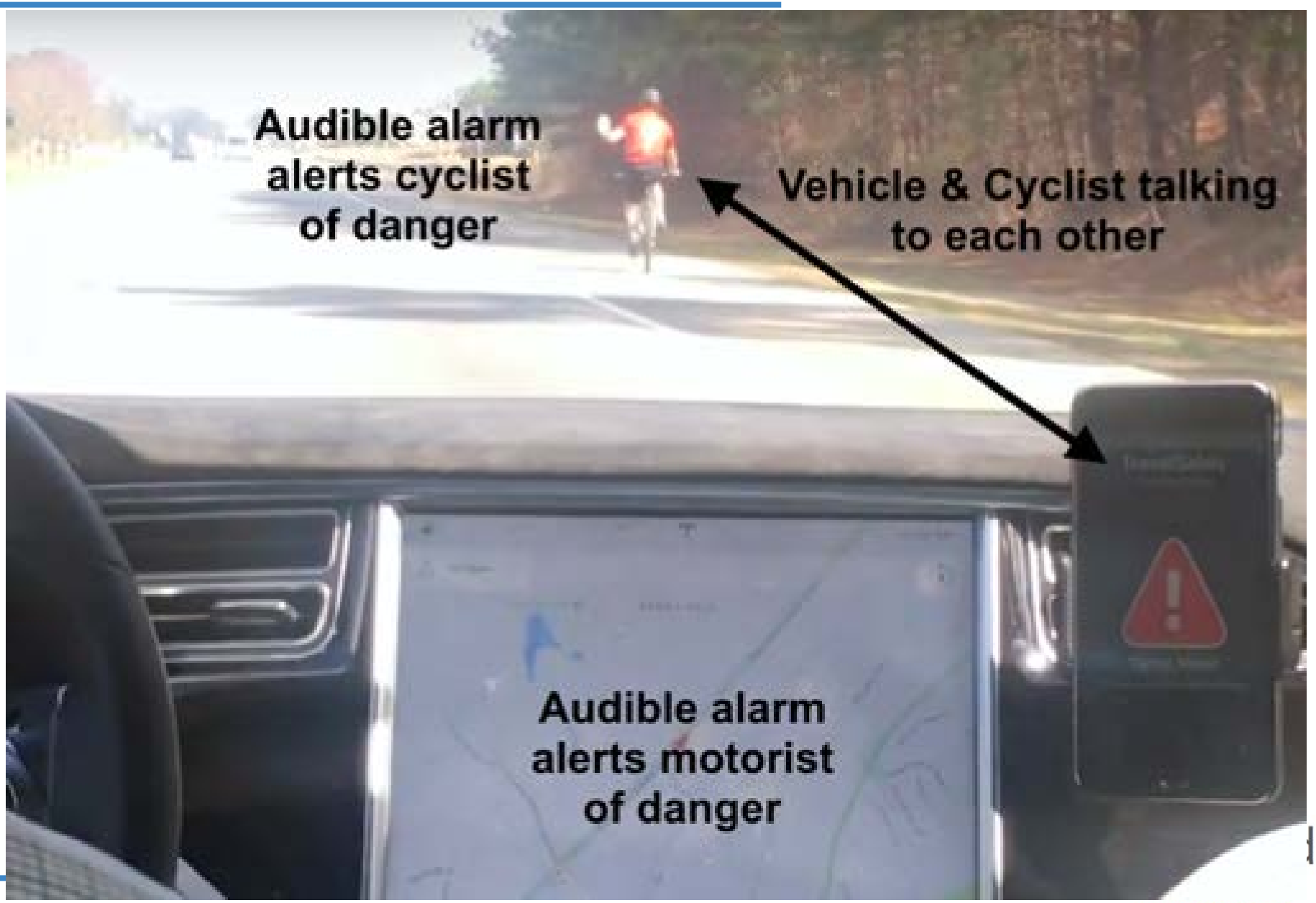
Motorist/Cyclist communications



Motorist/Pedestrian communication

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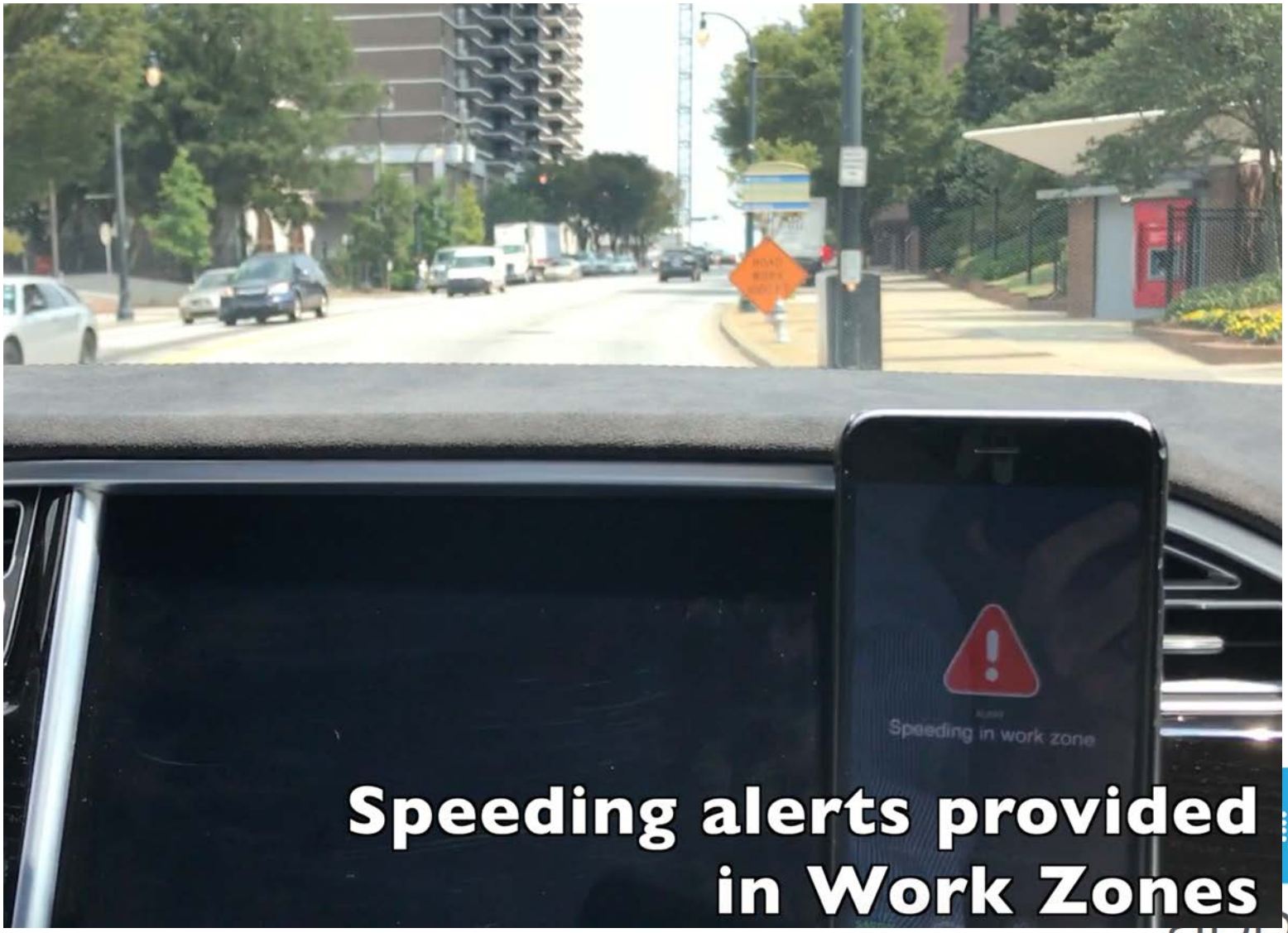
Work zone Warnings



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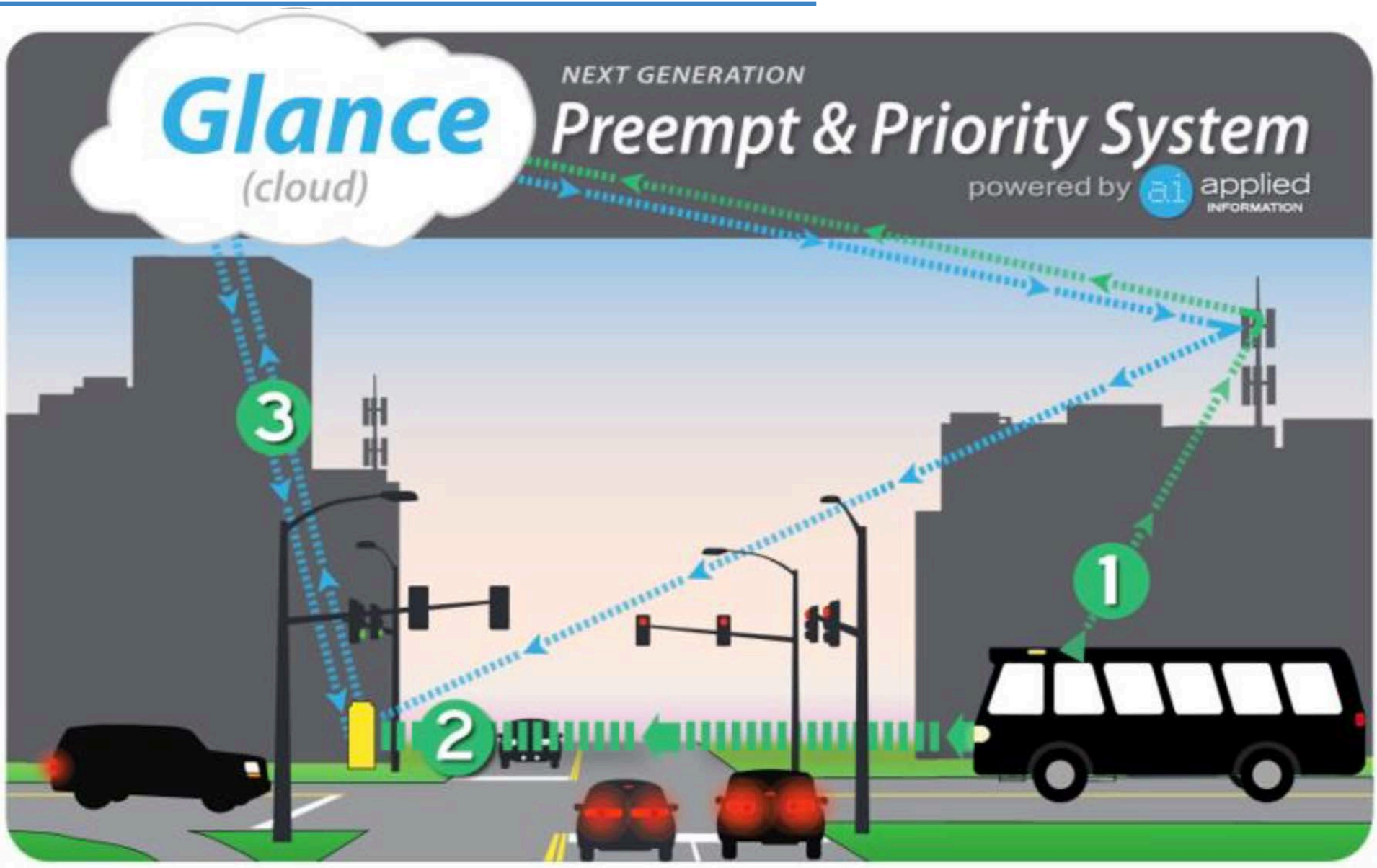
Transit Signal Priority



Truck Priority Using TravelSafely Pro

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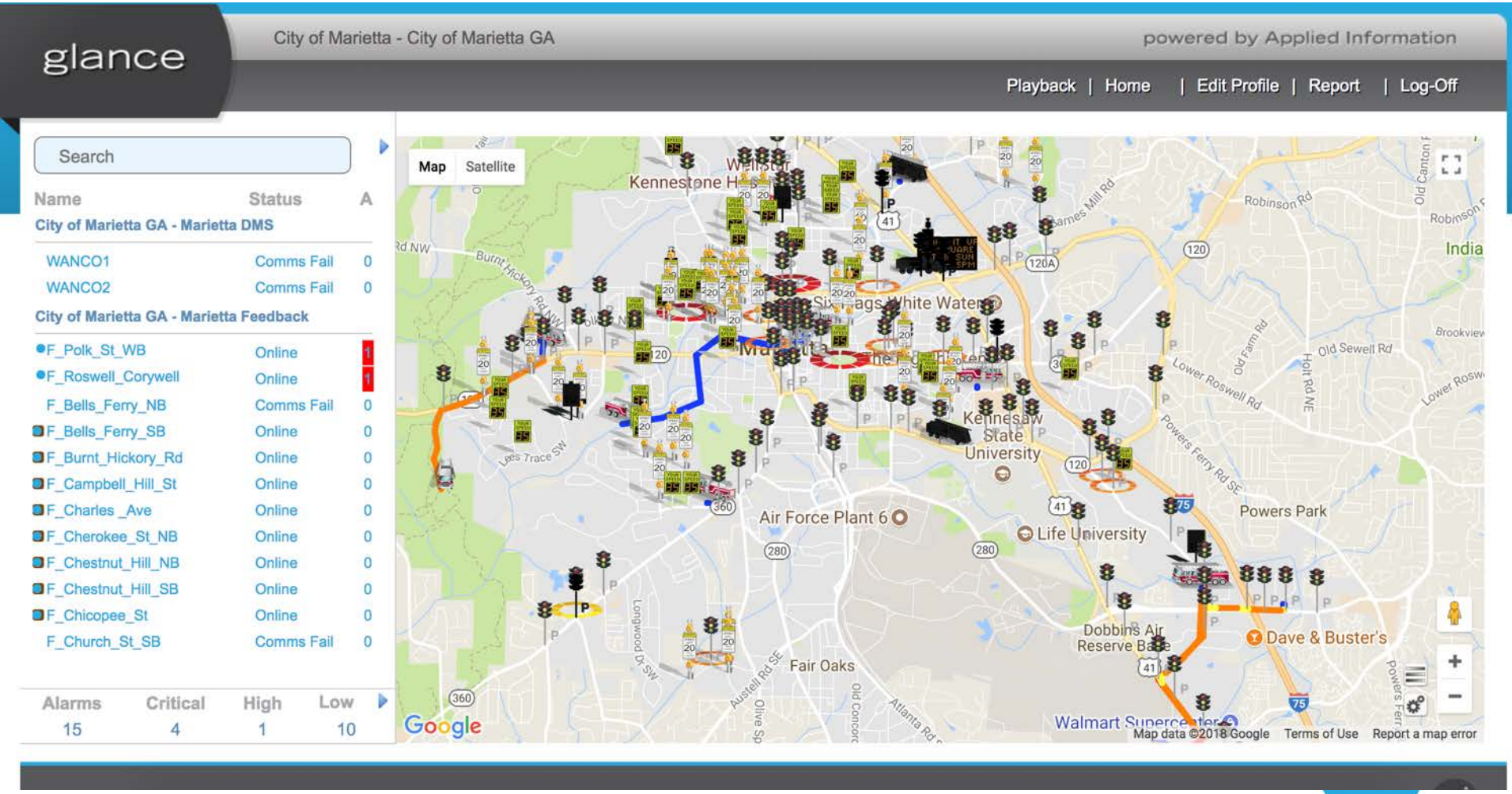
City of Marietta, GA



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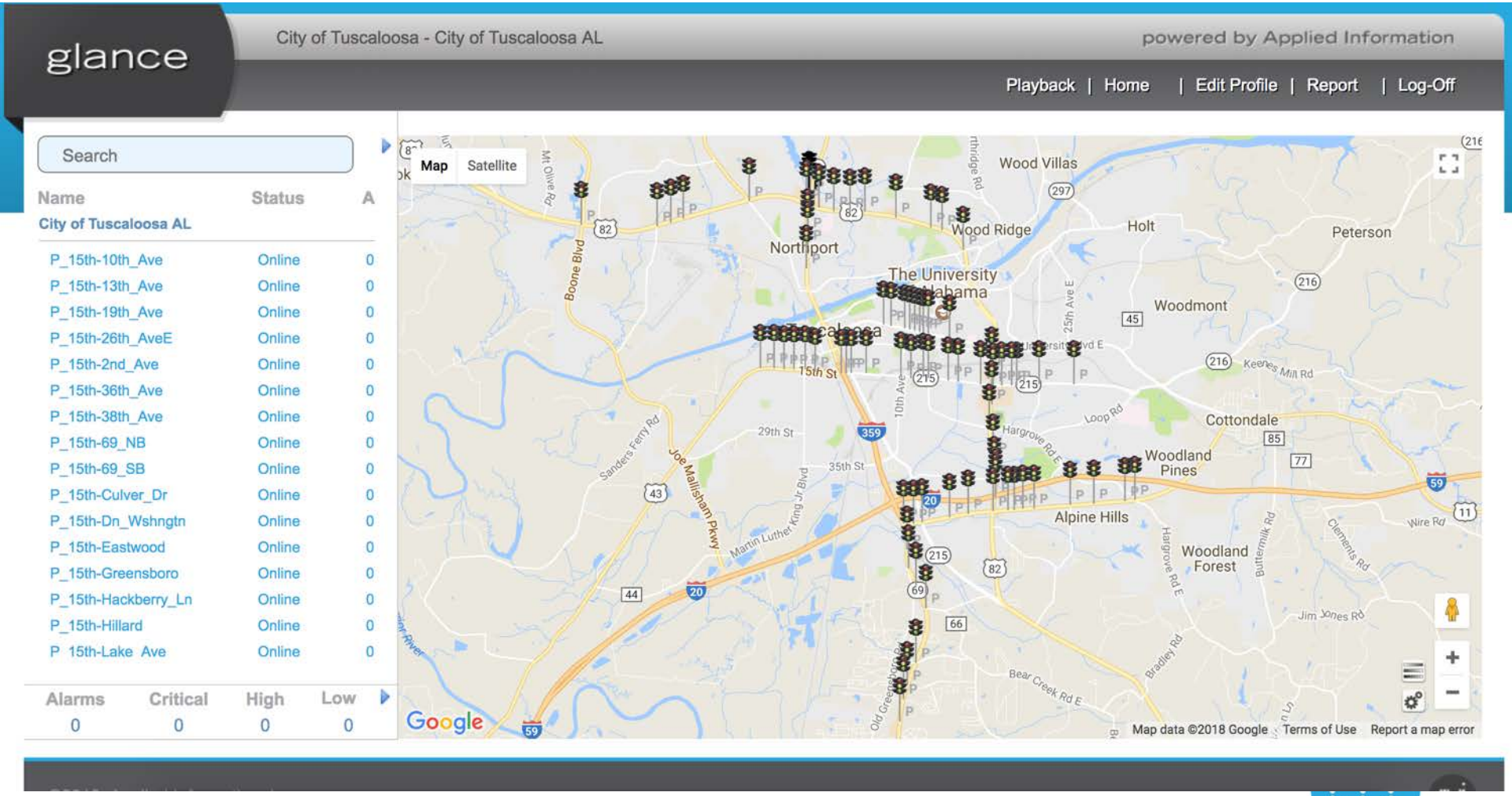
University of Alabama



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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 w better – V2I

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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

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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

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DMS Message Sign Annunciation

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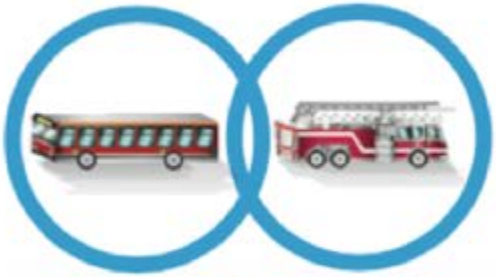

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ITS Management