NOCoE Talking TIM Webinar

October 28, 2020

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Agenda

- **CHAMP Queue Protection Initiatives**
  - **What we can do in the field**
  - **What can we do with technology**
  - **What can we do with our partners**

Coordinated Highway Assistance & Maintenance Program

Protecting the Queue - Upstream

Protecting the Queue

- Protect the Scene OR Protect the Queue
- The Chicken? OR The Egg?

511

CHAMP
Coordinated Highway Assistance & Maintenance Program

Protecting the Queue

- Protect the Scene OR Protect the Queue
  - First to Arrive
  - Block for Others
  - Provide TTC
  - Needed for Coordination
  - Needed for Clearance

Coordinated Highway Assistance & Maintenance Program

Protecting the Queue

- **Protect the Scene** AND **Protect the Queue**
  - First to Arrive
  - Block for Others
  - Provide TTC
  - Needed for Coordination
  - Needed for Clearance
  - Called by Others
  - Traffic Slowing
  - Can't See the End
  - Maps Show Backups
  - Speed Differentials

511

CHAMP
Coordinated Highway Assistance & Maintenance Program

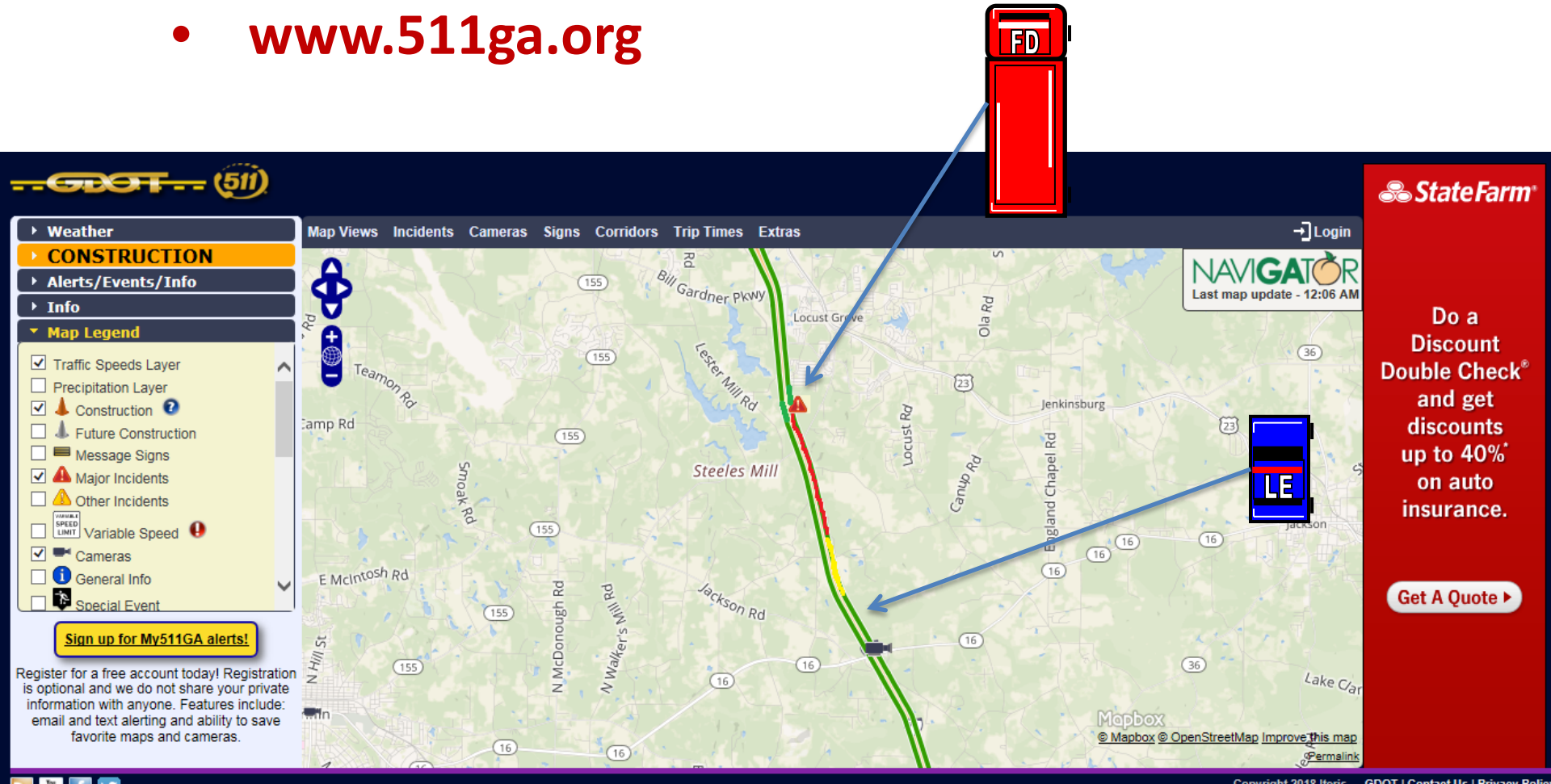
Using Technology

- 511ga.gov
- Waze.com
- Others

Coordinated Highway Assistance & Maintenance Program

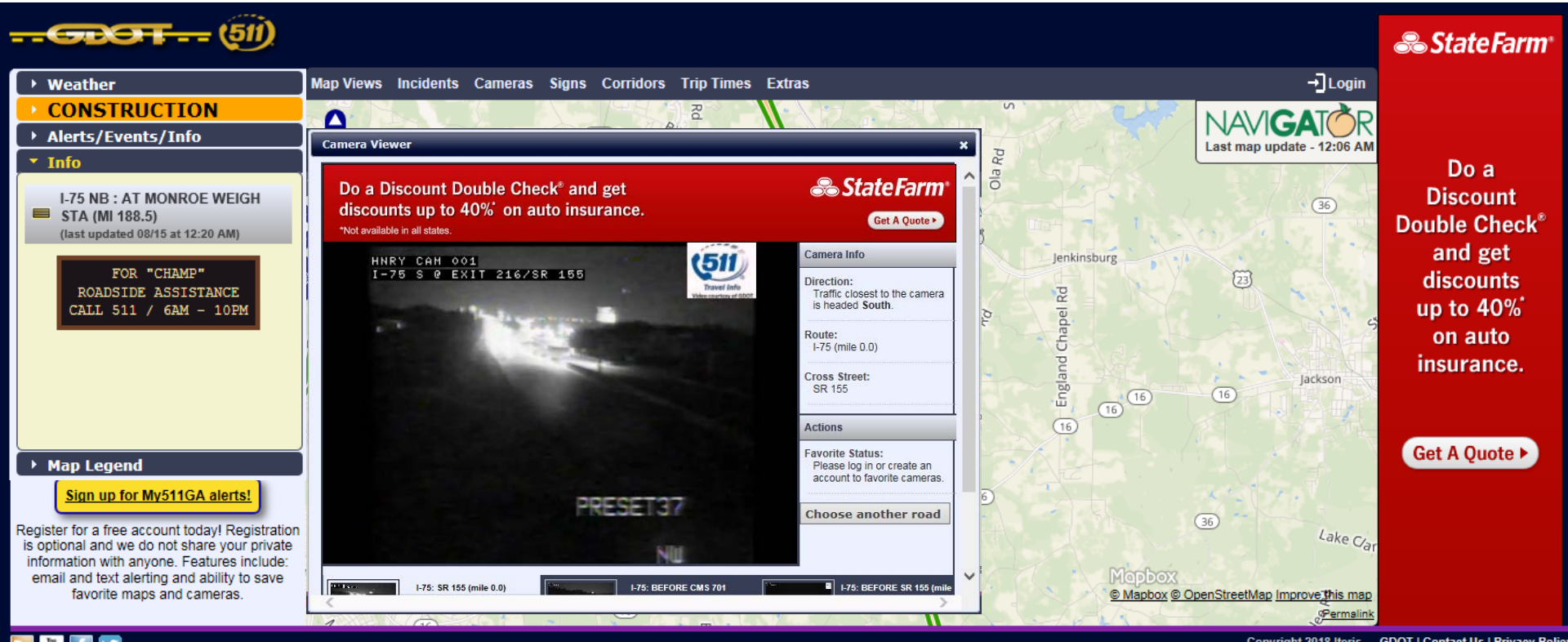
Advance Warning Initiatives

- How to determine where the backup ends
- www.511ga.org



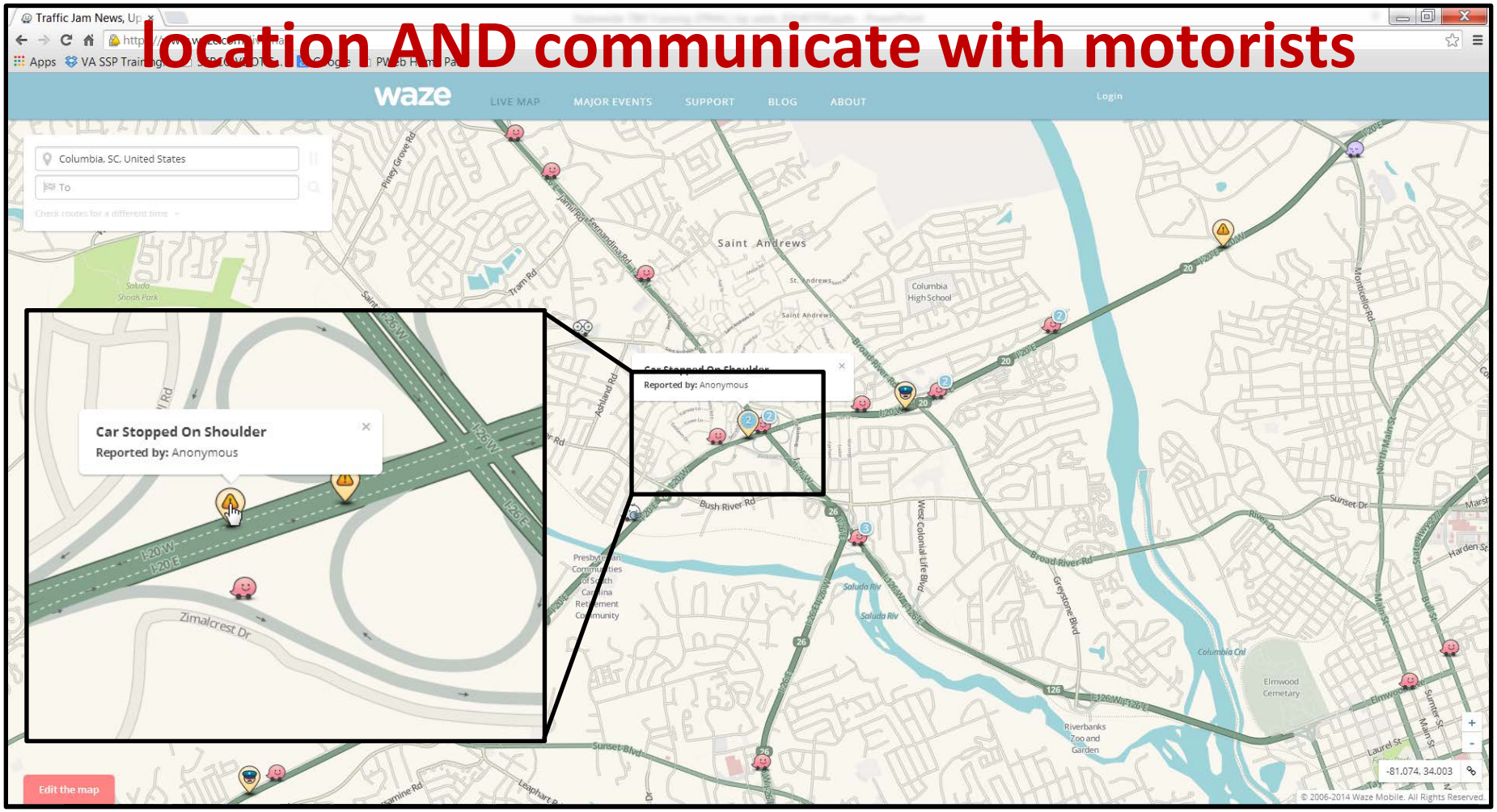
Advance Warning Initiatives

- How to determine where the backup ends
  - www.511ga.org, use CCTV, DMS, Speed, Waze to determine advance warning location



Advance Warning Initiatives

- **WAZE to determine advance warning location AND communicate with motorists**

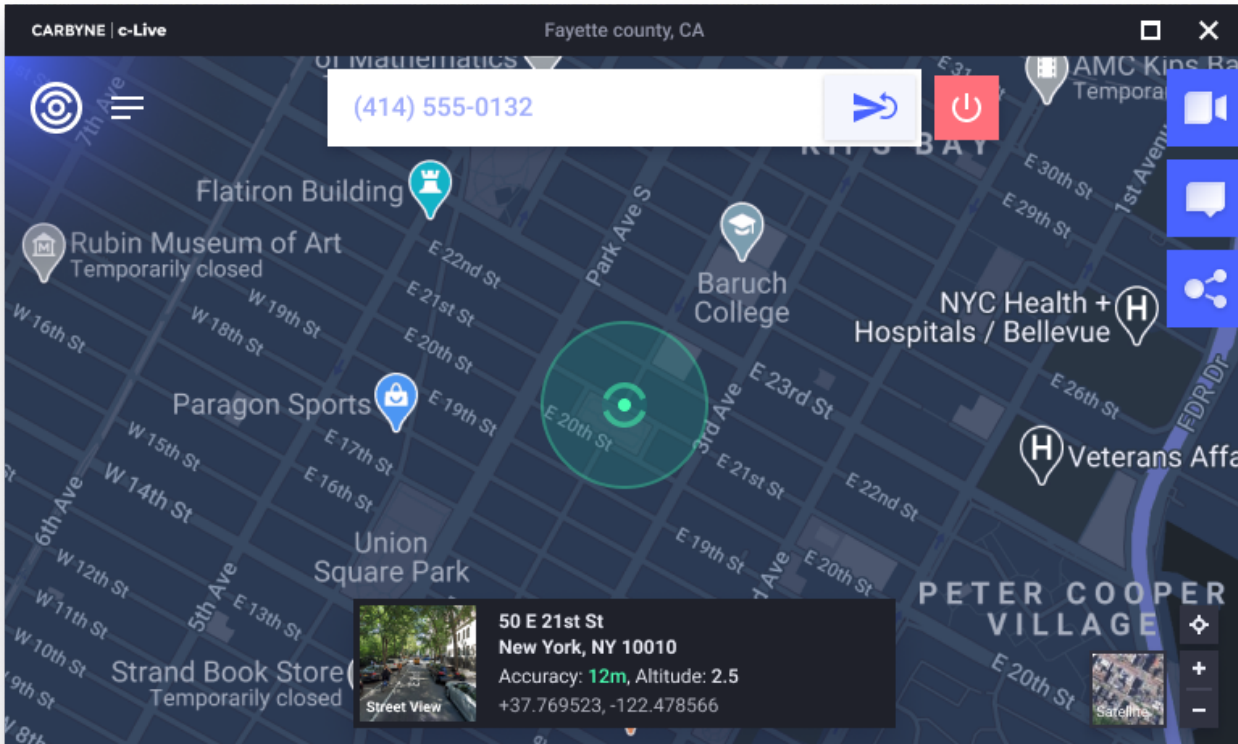


Advance Warning Initiatives

- **WAZE to determine advance warning location AND communicate with motorists**

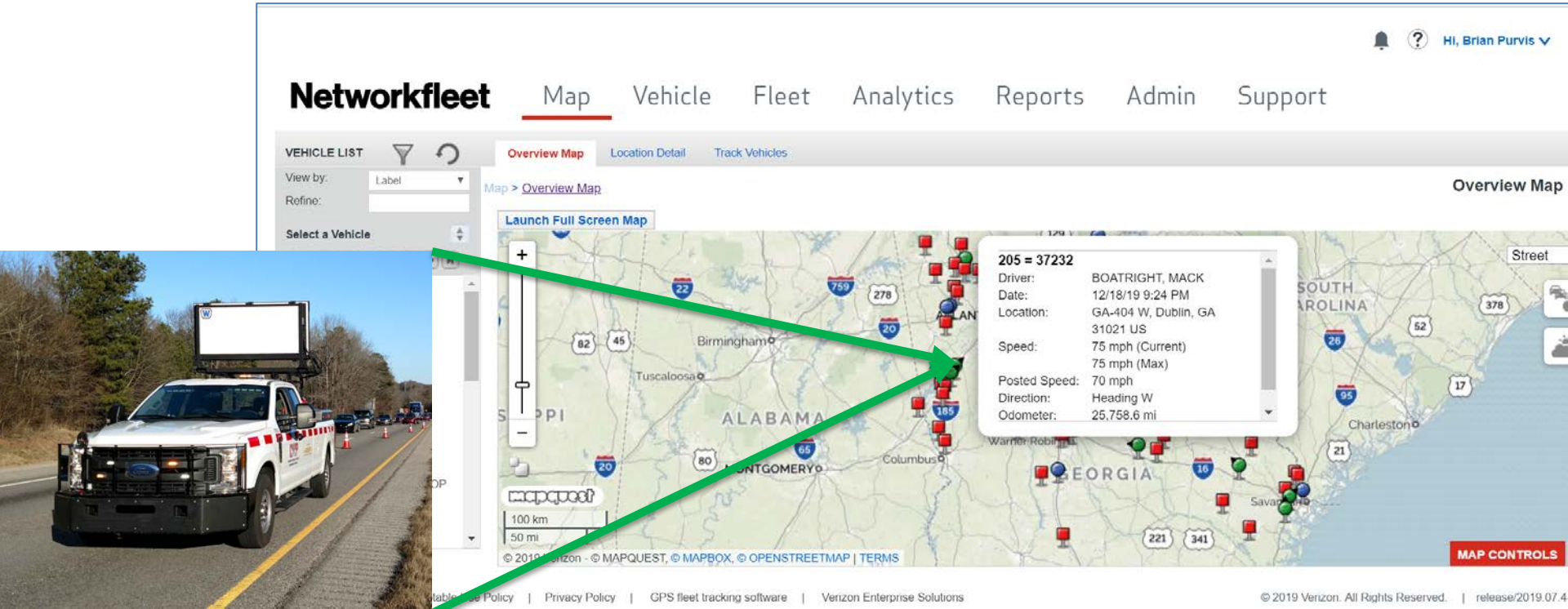
Advance Warning Initiatives

- Other Initiatives
  - Carbyne C-Lite
    - Allows GDOT to immediately geolocate a caller by using their mobile device's GPS, barometer, altimeter Wifi and Bluetooth to get an accurate and instantaneous location.



Advance Warning Initiatives

- Other Initiatives
  - Carbyne C-Lite – found the motorist
  - Verizon Networkfleet
    - Allows GDOT to continually track the CHAMP responders via GPS

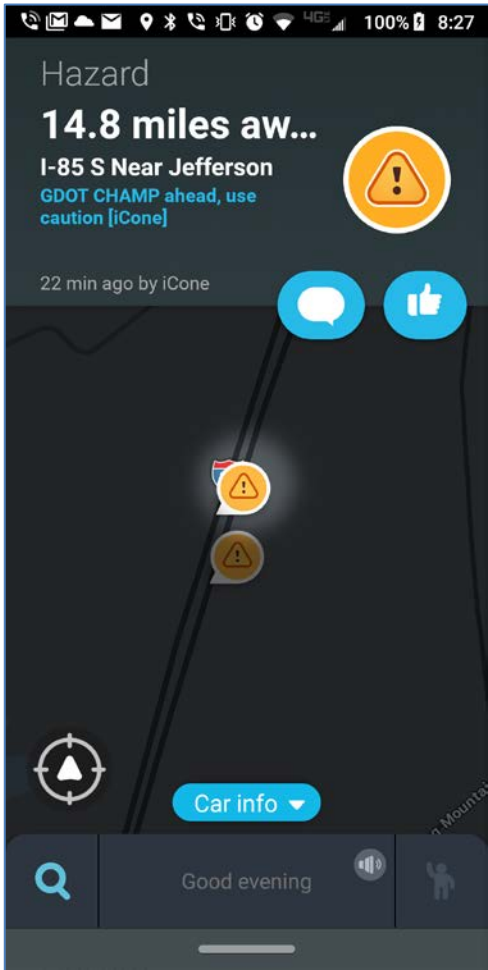


Advance Warning Initiatives

- Other Initiatives
  - Carbyne C-Lite – found the motorist
  - Verizon Networkfleet – found the responder
  - 360NS Pilot with iCone technology
    - Allows GDOT to quickly notify oncoming traffic of work zones and other stationary situations via Waze
    - Solar powered

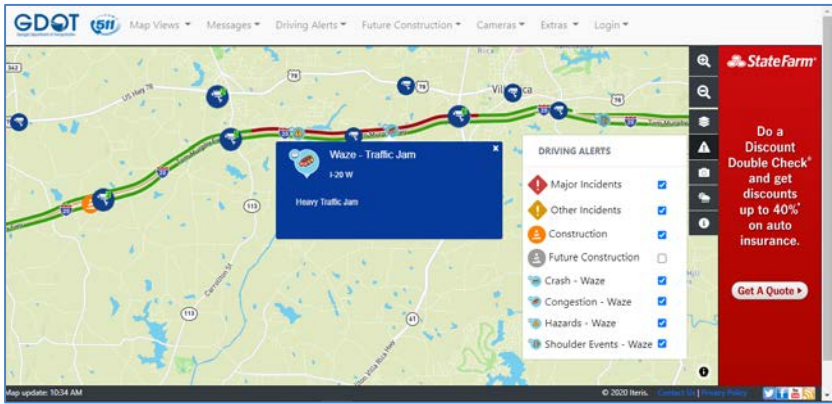
Advance Warning Initiatives

- Other Initiatives
  - Carbyne C-Lite – found the motorist
  - Verizon Networkfleet – found the responder
  - 360NS Pilot – found the environment
  - HAAS Pilot
    - Allows GDOT to quickly notify oncoming traffic of response vehicles via Waze
    - Tied to truck lights or other device



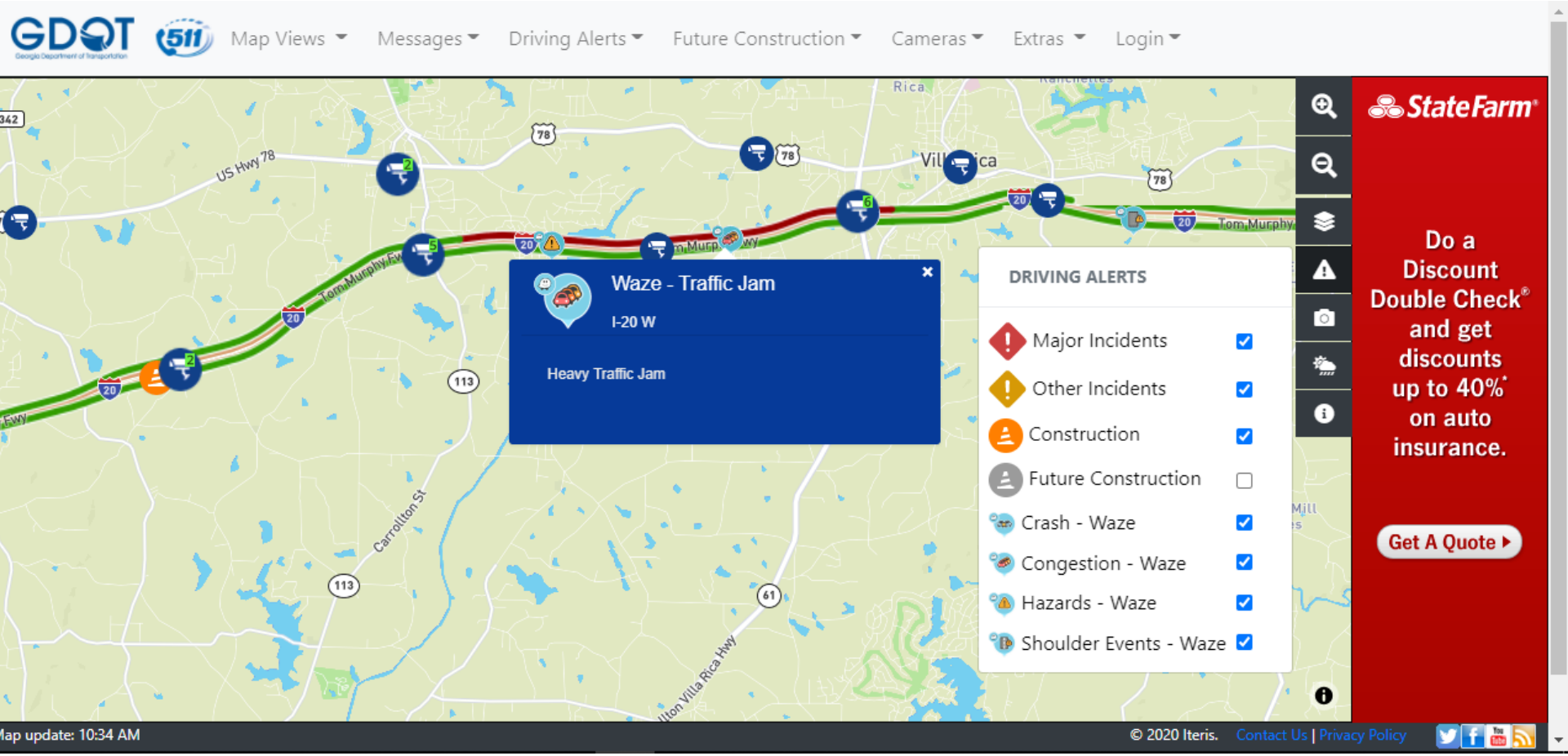
Advance Warning Initiatives

- Other Initiatives
  - Carbyne C-Lite – found the motorist
  - Verizon Networkfleet – found the responder
  - 360NS Pilot – found the environment
  - HAAS Pilot – found the incident
  - 511 and Waze integration
    - Allows GDOT to monitor their ITS along with what the public is reporting to each other



Advance Warning Initiatives

- Other Initiatives



Advance Warning Initiatives

- Other Initiatives
  - Carbyne C-Lite – found the motorist
  - Verizon Networkfleet – found the responder
  - 360NS Pilot – found the environment
  - HAAS Pilot – found the incident
  - 511 and Waze integration – informed the motorists
  - GA Alert / IPAWS – inform the public of major incidents
    - Reverse 911 alert system for major incidents
    - ipaws@fema.dhs.gov to get MOU
    - Alerts are pulled from the Emergency Alert System (EAS) and Wireless Emergency Alerts (WEA).
    - Alerts can be filtered based on geographical area, event, and other factors applicable to the audience.
    - https://www.fema.gov/fact-sheet/ipaws-all-hazards-information-feed

Advance Warning Initiatives

- **Working With Others**
  - Develop TIM Teams EVERYWHERE, Including Rural
  - Train on Protecting the Queue
  - Track Secondary Crashes and Report Monthly
  - Train, Train, Train
  - Beg, Borrow and Steal !!!

Need More Info?

http://www.dot.ga.gov/DS/Travel/CHAMP

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