

CVE Message Board Project



What is the Message Board Project?

- **Enable** Commercial Vehicle Enforcement (CVE) section with the capability of broadcasting safety and enforcement messages directly to CMV drivers inside of weigh stations
- **Extend CVE's capabilities** by utilize portable technologies
- **Practical tool** for driving down risky driving behaviors known to be correlated with CMV-involved fatal crashes



What is the Message Board Project?

Funded by FMCSA High Priority Grant and ITD Grant

Coordinated with Special Enforcement Projects

- Operation Safe Drive
- Saving Lives on NC Rural Roads
- Operation Air Brake

Currently 50 boards (25 just reviewed)

10 on I-95 35 mile long work zone (70 miles both sides)

- Only location to have a board damaged (driver left the roadway, went through barrels, through work area and hit the sign)

2 in Washington (currently only boards not on Interstate)

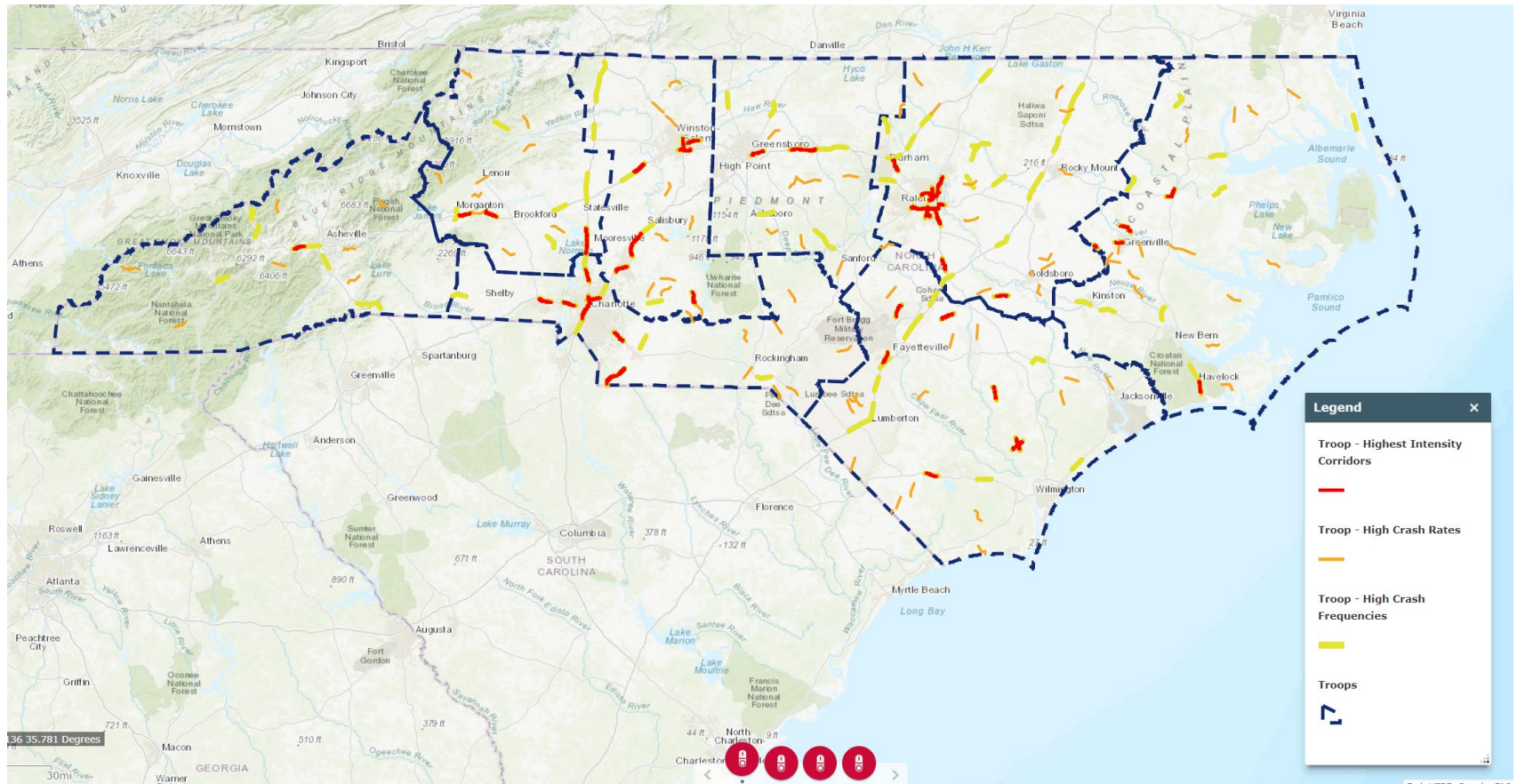
6 on I-26/I-40 (first ever boards deployed, been active for 4 years)

2 in Statesville I-40/I-77

4 on I-40 (Orange County widening project for merging dump trucks)

Remaining Boards NCSHP Logistics ready for deployment

High Crash Corridors – Work Zones



Operational Plan Outline

- 1. Developed a NCSHP Message Board Policy**
- 2. Work with NCDOT for deployment within Work Zones**
- 3. MOU with Department of Public Safety and NCDOT**

Main Modes

1. Speed only



2. Message Only



3. Speed and Message



Message Modes

1. Targeted Message



2. Rotating Message



3. Hybrid Message

- Ability to automatically enable changing messages based on speed
- Main Message static –if speed exceeds threshold, message switches from static to speed



Work Zone Sample Messages

- **Radar Zone**
- **Active Radar**
- **Your Speed is XX**
- **Slow Down**
- **Too Fast**





Additional Benefits

1. Reduce Fatalities

- **By Increasing the Effectiveness** of Enforcement Campaigns

2. Reduce NCDOT Requests

- **Fewer SHP Requests** for NCDOT message boards

3. Extend SHP Capabilities for Emergencies

- Hurricane Evacuations
- National Disasters (i.e. COVID Checkpoints)
- State Fair Traffic Control

Conclusion

- **The message boards have proven to be invaluable inside the work zones.**
- **The boards are cable of reducing dangerous driving behaviors and reduce distracted driving inside the areas that actual law enforcement officers are not typically able to safely work.**