

# GRID Data Analytics and Stop the Threat:



## An Important Partnership in Crash Prevention



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Alabama  
Transportation  
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CENTER *for* ADVANCED  
PUBLIC SAFETY

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Director of Research Operations  
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Photos: [gaports.com](http://gaports.com)

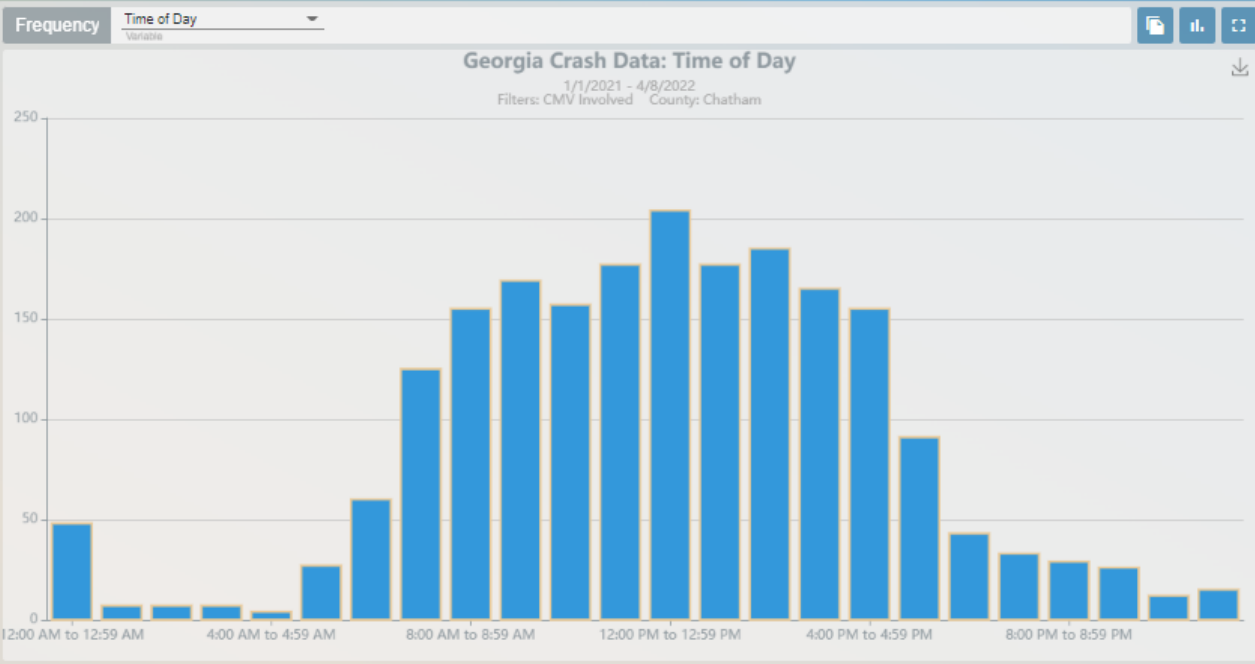
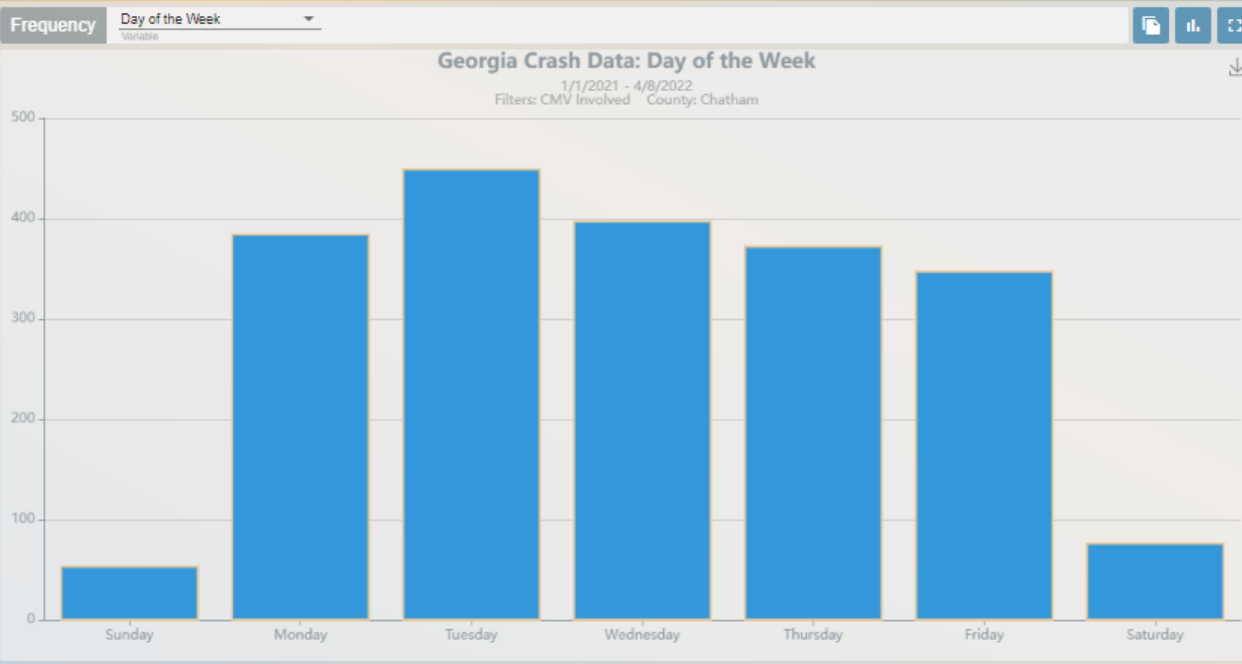
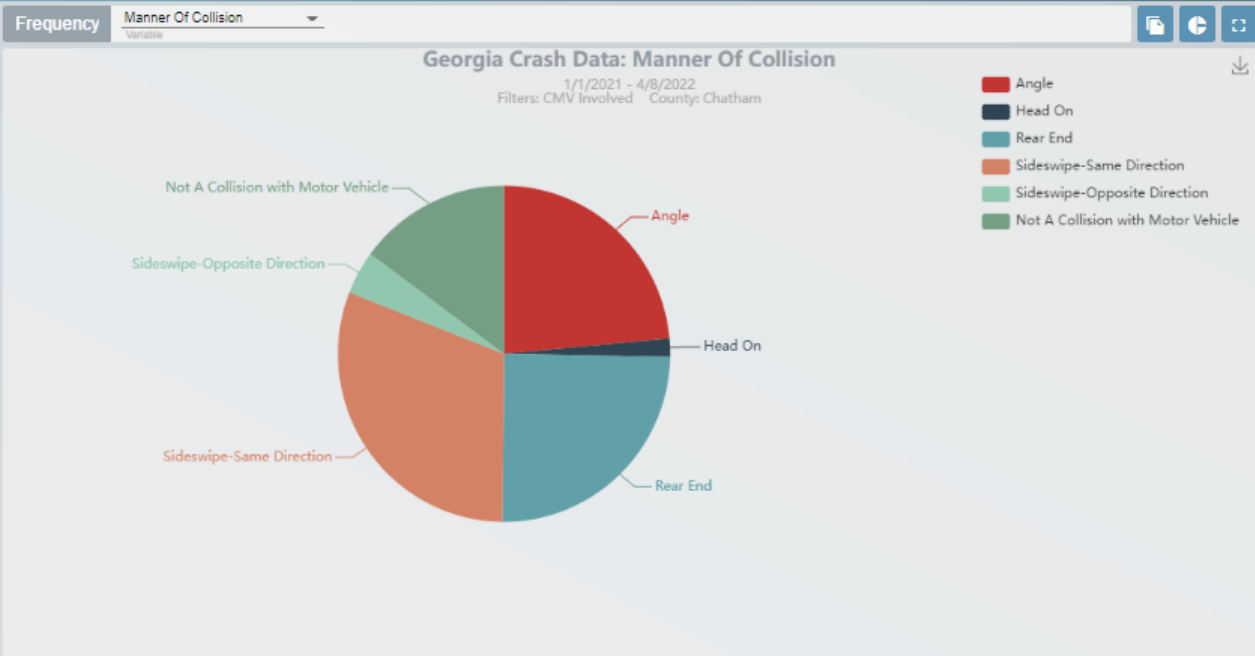
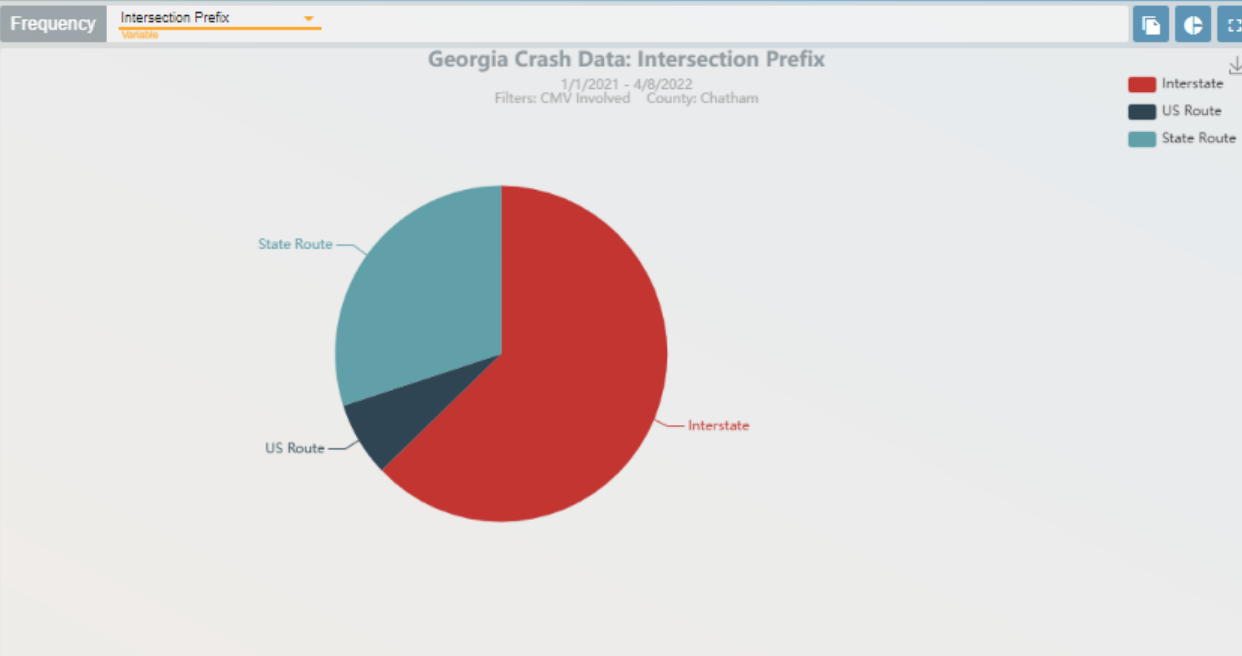


# Targeting Dangerous Driver Behavior



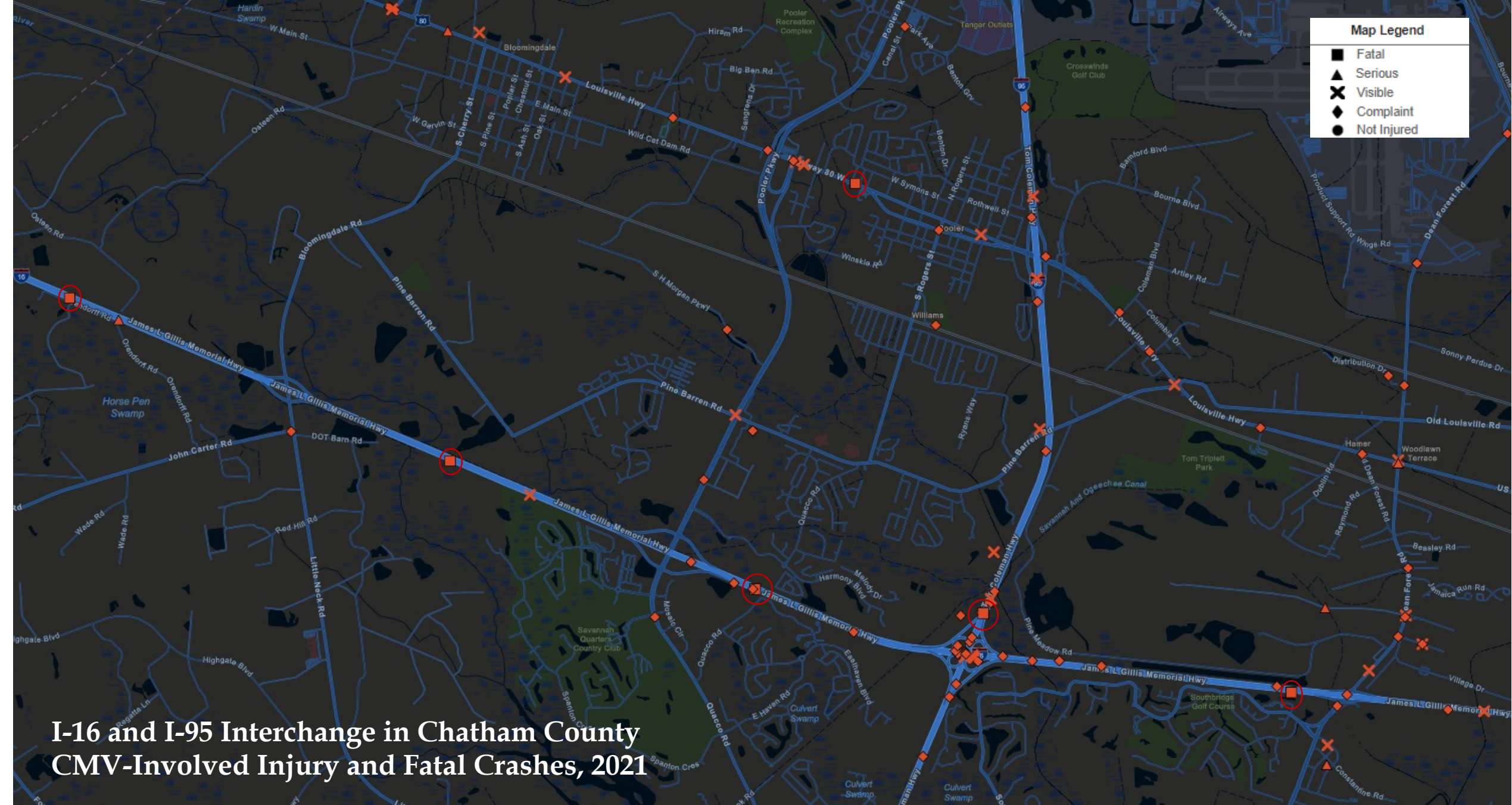
- Speeding
- Following Too Close
- Using Hand-Held Mobile Phone
- Failure to Obey Traffic Controls
- Fatigued Driving
- RODS Violations
- Lane Violations
- Drugs and Alcohol







Map Legend	
■	Fatal
▲	Serious
✕	Visible
◆	Complaint
●	Not Injured



**I-16 and I-95 Interchange in Chatham County  
CMV-Involved Injury and Fatal Crashes, 2021**

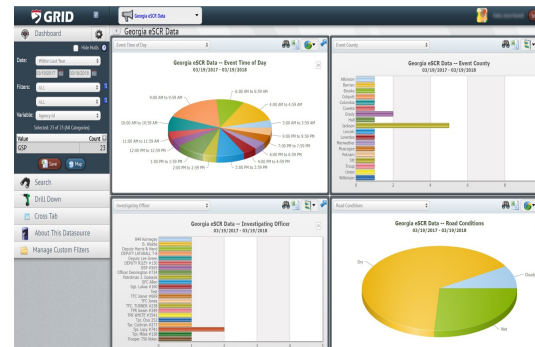
# Background of GRID



Underlying Datasets  
Based on the CARE  
System



Released Spring 2018

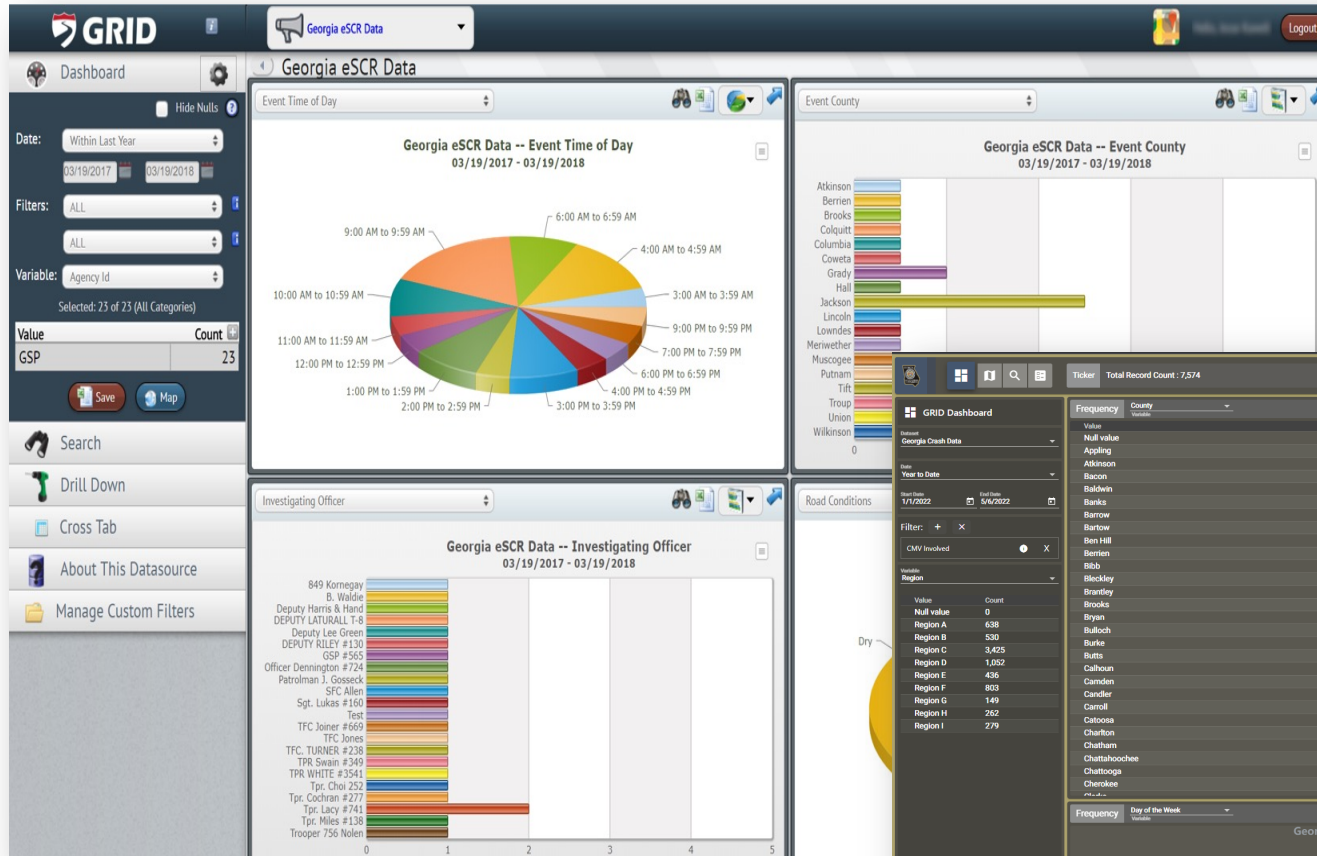


Started with Emphasis on  
Counts and Variable  
Breakdowns

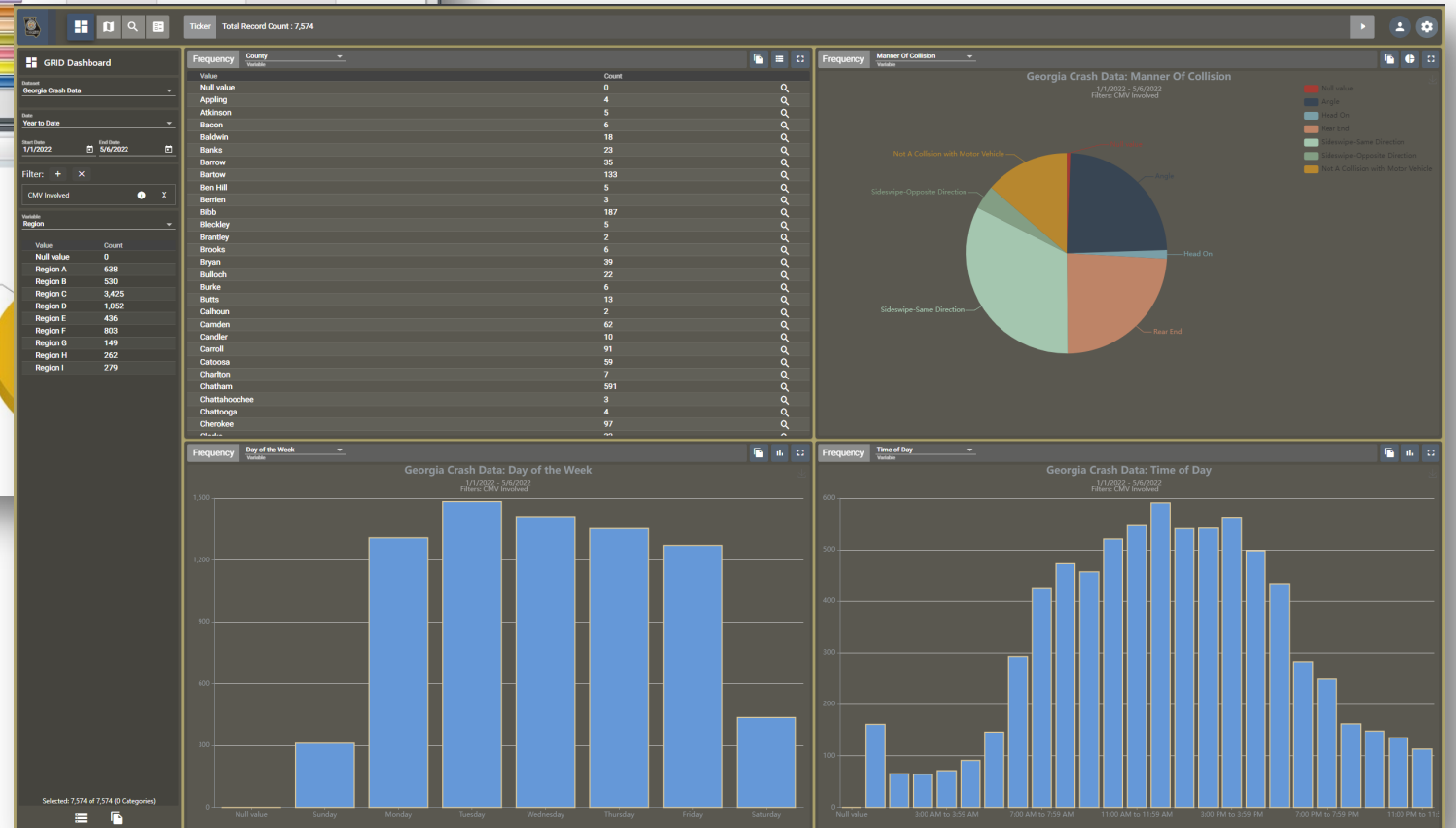


Adding eSCR (Significant  
Crash Report) and Other  
Data Sources

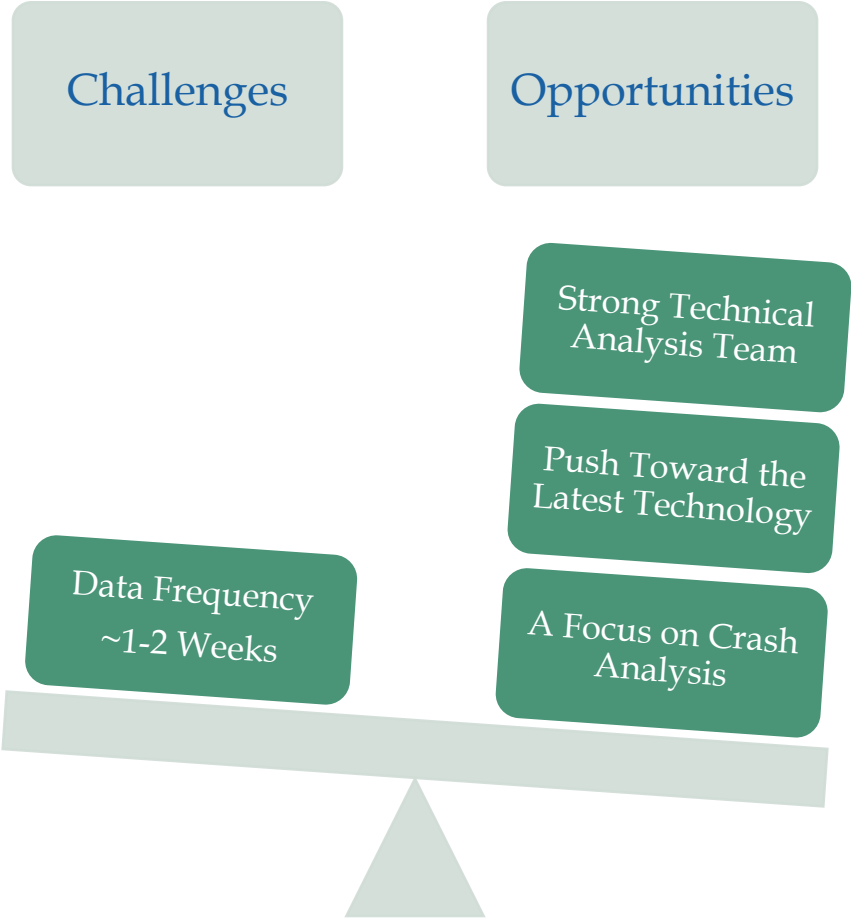
# GRID 1.0



# GRID 2.0



# GRID Opportunities and Challenges





Dataset Georgia Crash Data

Date Range 01/01/2022 to 04/08/2022

Routes +

Drill +

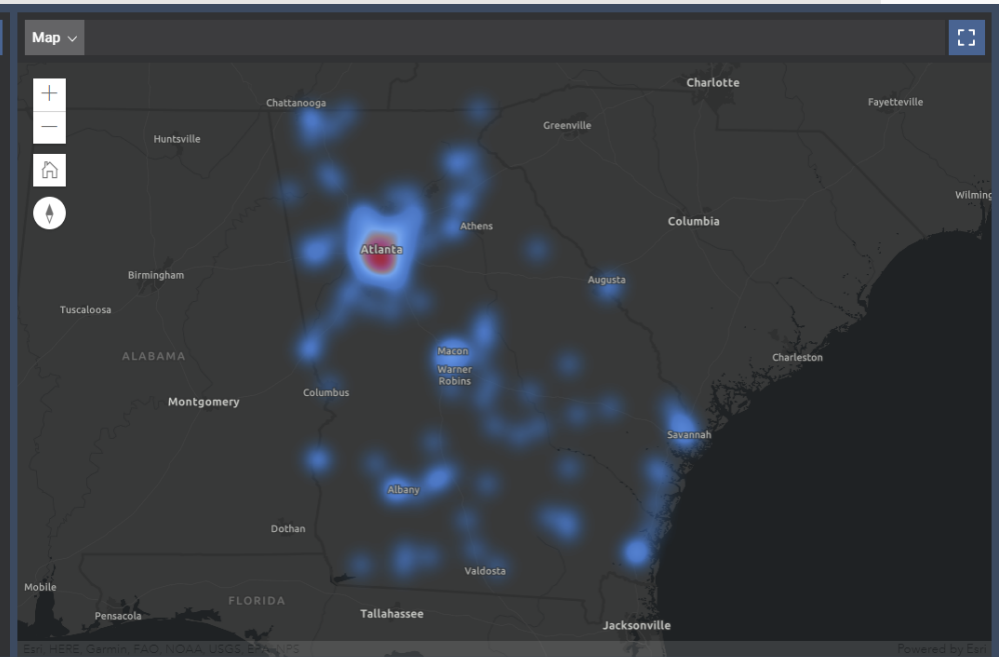
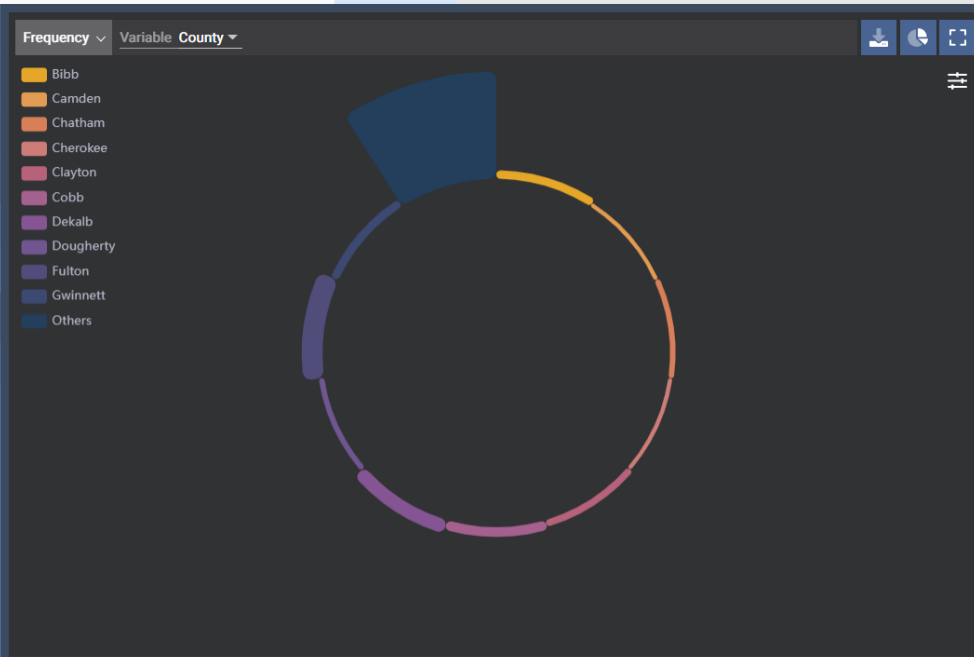
Crash Severity x

Fatal Serious

Saved Filters +

Others x

CMV Involved



Record Level

County	Crash Number	Crash Severity	DateTime	First Harmful Event	Manner Of Collision
Clayton	8374567	Serious	01/03/2022 01:16:00	Null value	Rear End
Fulton	8381475	Serious	01/08/2022 23:00:00	Null value	Sideswipe-Same Direction
Richmond	8387058	Serious	01/13/2022 12:18:00	Null value	Angle
Fulton	8387600	Fatal	01/08/2022 10:02:00	Null value	Angle
Fulton	8388130	Fatal	01/14/2022 05:28:00	Null value	Sideswipe-Same Direction
Wilkes	8389176	Fatal	01/11/2022 05:19:00	Null value	Not A Collision with Motor Vehicle
Turner	8389301	Serious	01/12/2022 19:17:00	Null value	Rear End
Coweta	8389447	Fatal	01/12/2022 13:40:00	Null value	Angle
Clayton	8390589	Serious	01/17/2022 10:02:00	Null value	Head On
Lowndes	8390794	Fatal	01/11/2022 11:29:00	Null value	Rear End

**Dataset** Georgia Crash Data

**Date Range** 01/01/2022 to 04/08/2022

**Routes** +

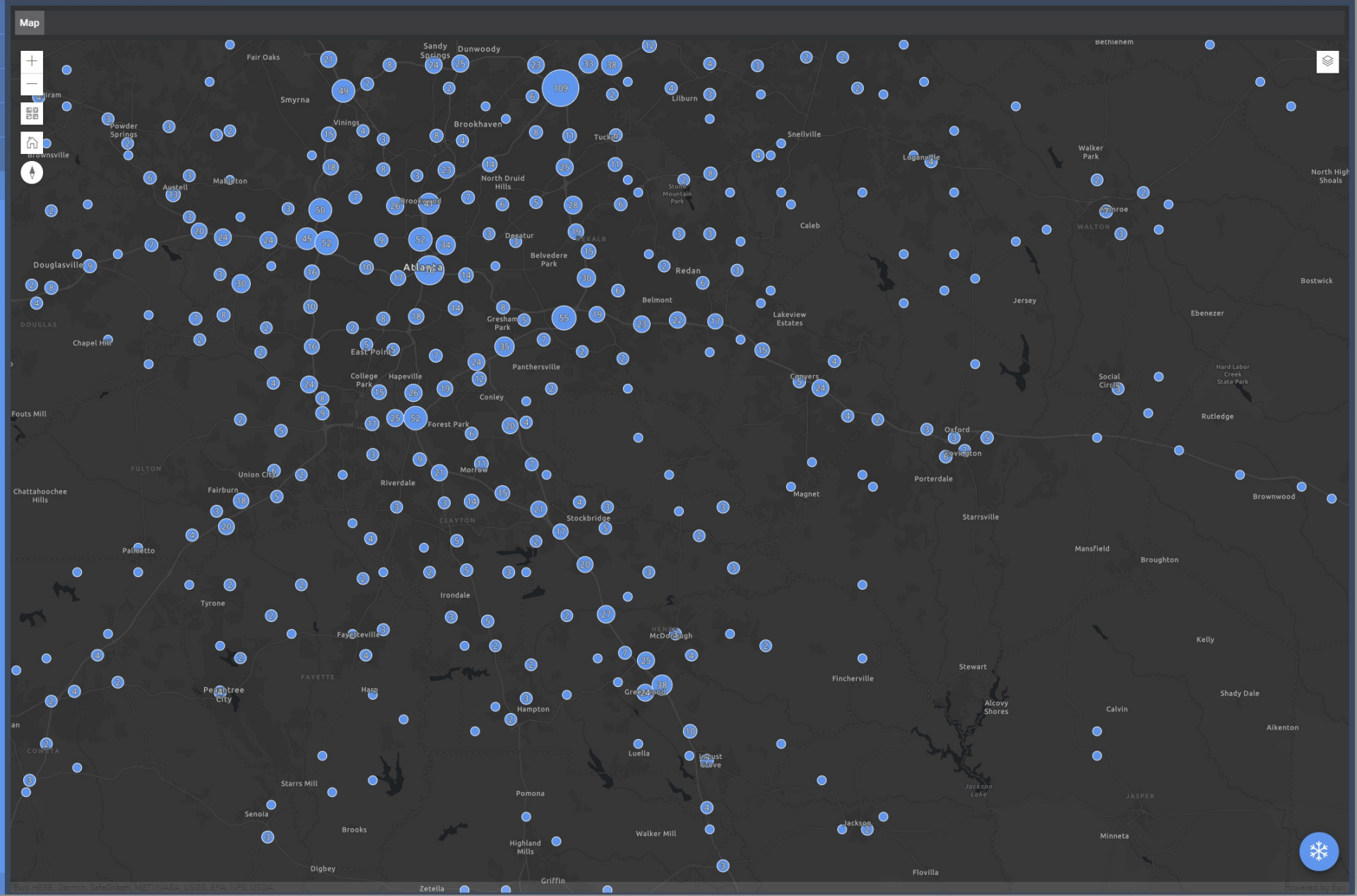
**Drill** +

**Saved Filters** +

**Others** ×

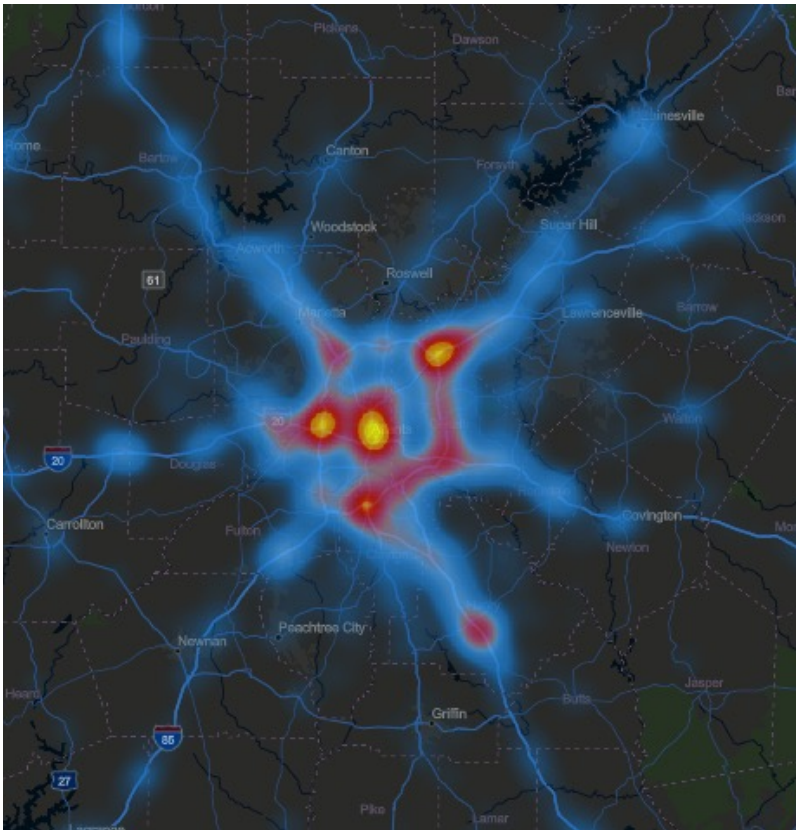
CMV Involved

Reset Save Stash



# Stop The Threat: Measurable Results





# Future of Stop the Threat



# MCCD's Approach to Roadway Safety

- **Enforcement** – Everyday and with Focused Details
- **Education** – Safety Meetings, Social Media, and Roadside
- **Partnerships** – Technology Sector, Industry, and with other Agencies

