



Toward Zero Deaths™

National Strategy on Highway Safety

In the MDOT Metro Region

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Traffic Safety & Operations Engineer

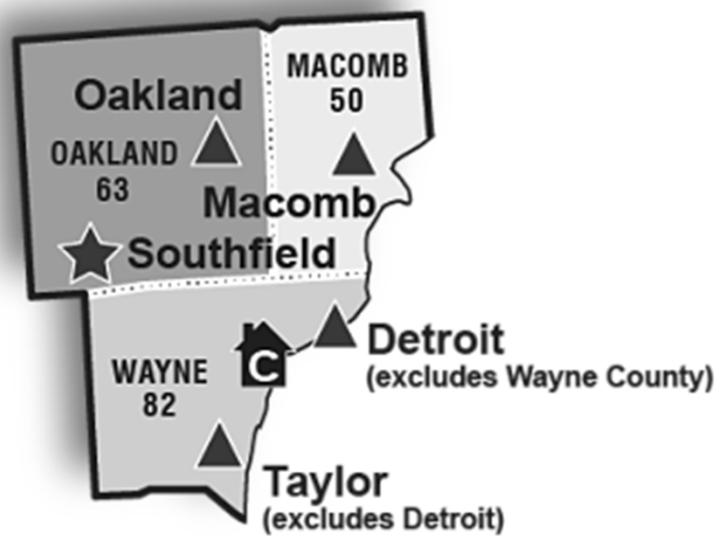
Michigan Overall

Michigan Roadway Crash Statistics			
Year	Fatalities	Serious Injuries	Total
2008	980	6,725	7,705
2009	871	6,511	7,382
2010	937	5,980	6,917
2011	889	5,706	6,595
2012	936	5,676	6,612
2013	951	5,283	6,234
2014	876	4,909	5,785

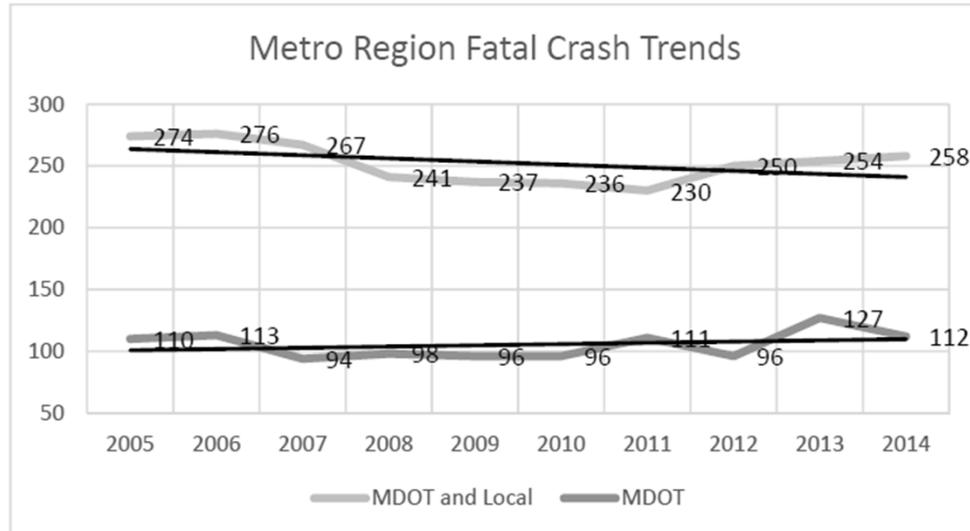
TZD – What’s Your Goal

- <https://www.youtube.com/watch?v=US9s6xkxkjI>

Metro Region



Metro Region



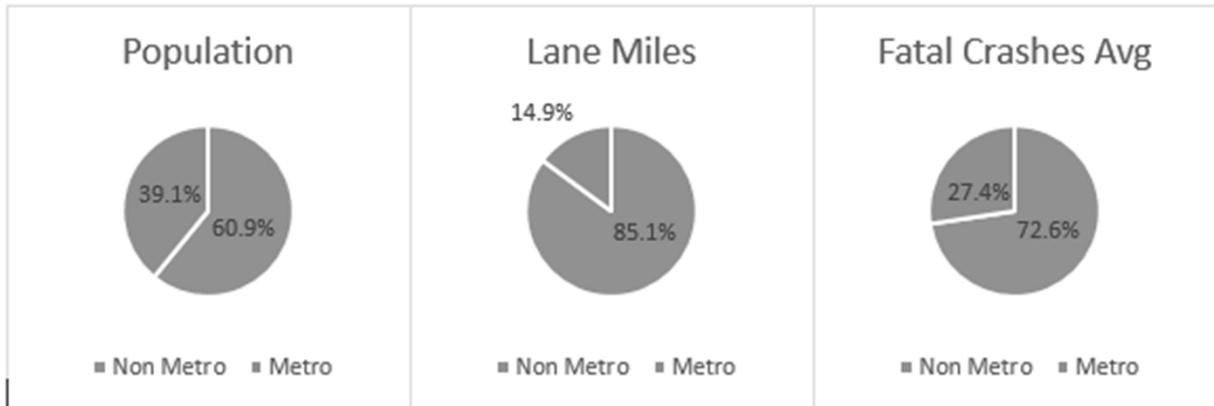
Article - More driving means more dying

By Joe Cortright

15.2.2016

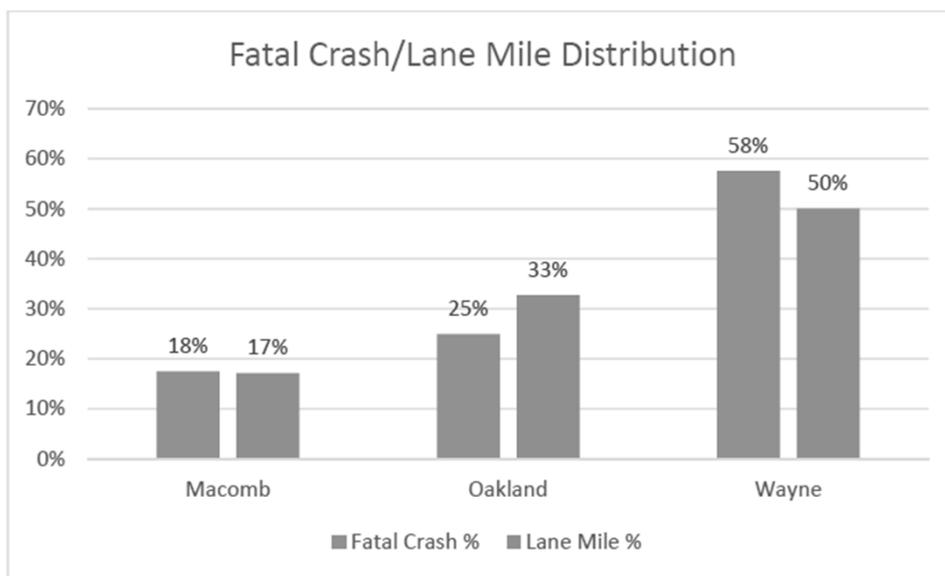
- New data from the national traffic safety administration shows an ominous trend: traffic related deaths are up 11.3 percent for the first nine months of 2015, as compared to the same period a year earlier.
- <http://cityobservatory.org/more-driving-means-more-dying/>

Metro

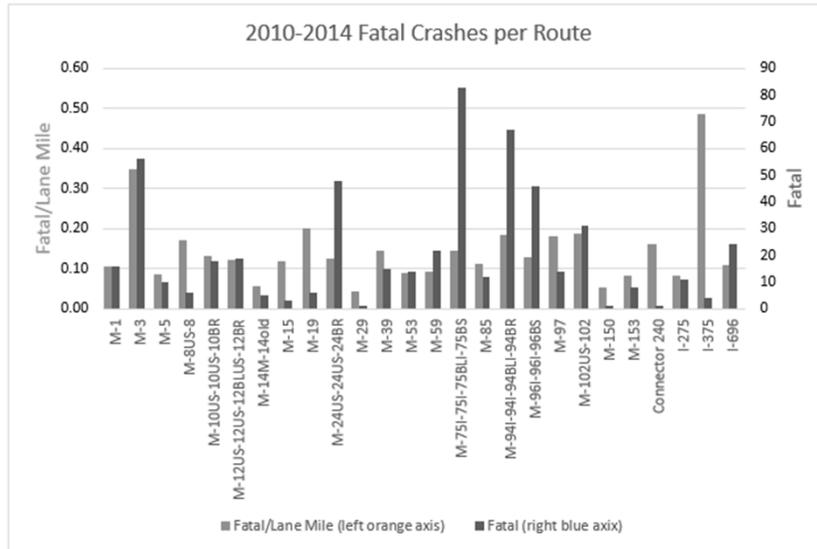


90 Million VMT every day!

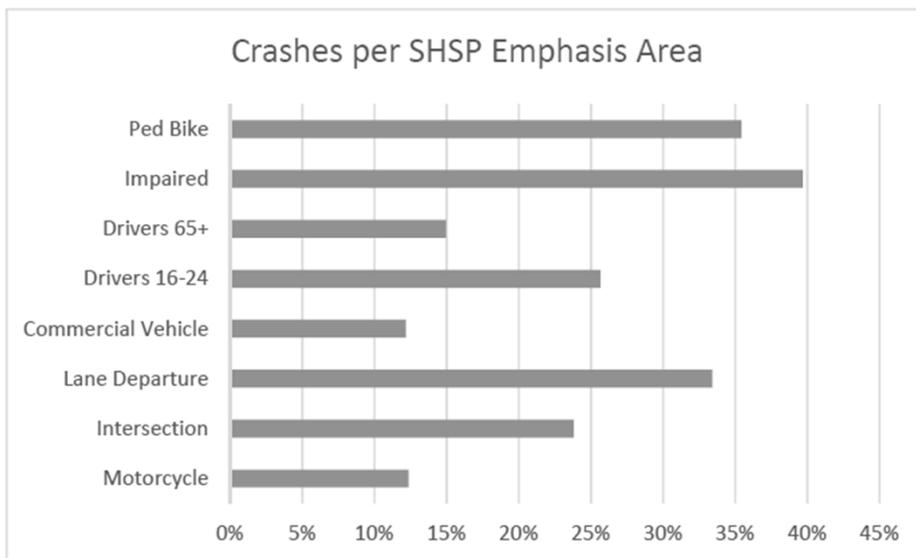
Distribution



What to address?



SHSP



Roadside Delineation



SB M-3 to SB I-375 – LDS installation



Signage



Rumble Strips



Reflective Sign Post Inserts

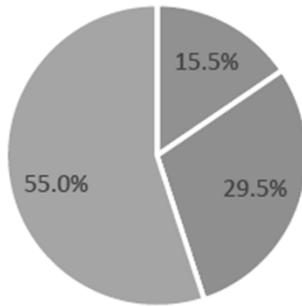


Lane Departure Implementation Strategy

- Address remaining rumble strip needs
- Ensure covered with roadside delineators
- Ensure covered with W1-8 chevron signs
- Install reflective sign post strips

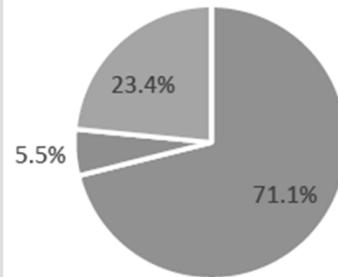
Intersection

Fatal Intersection Crashes



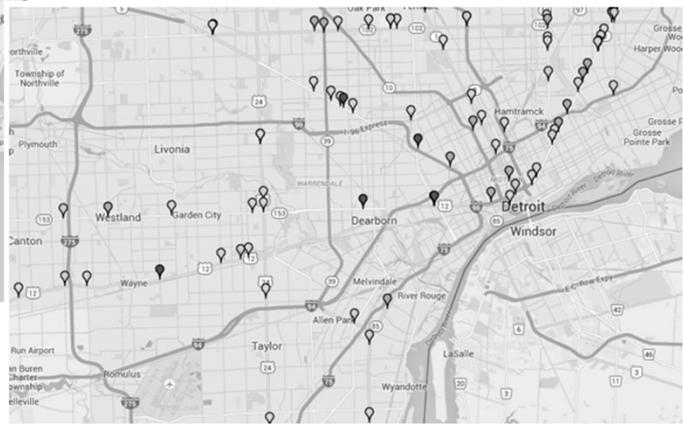
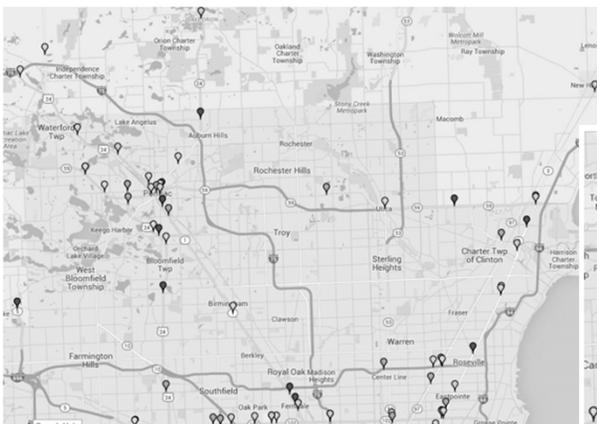
■ Macomb ■ Oakland ■ Wayne

Fatal Intersection Crashes per Control Type

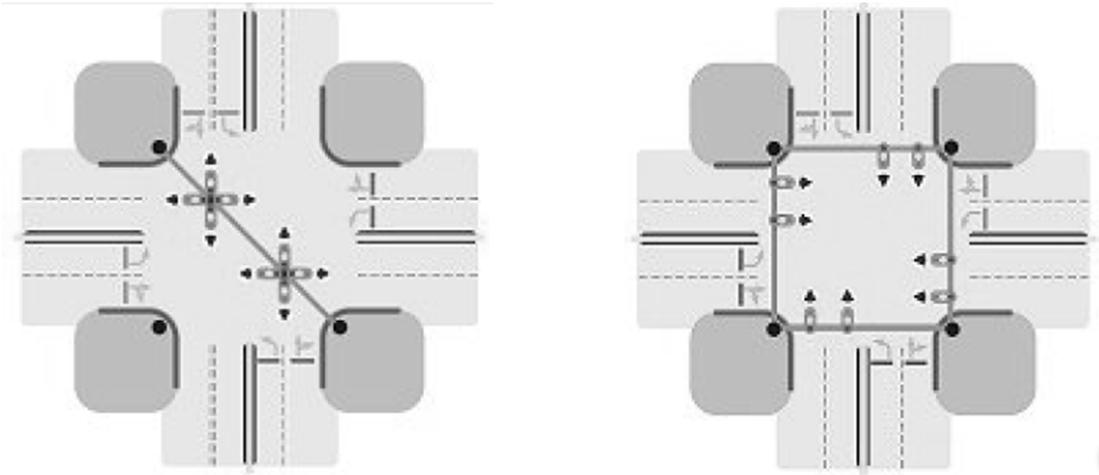


■ Signal ■ Stop sign ■ None

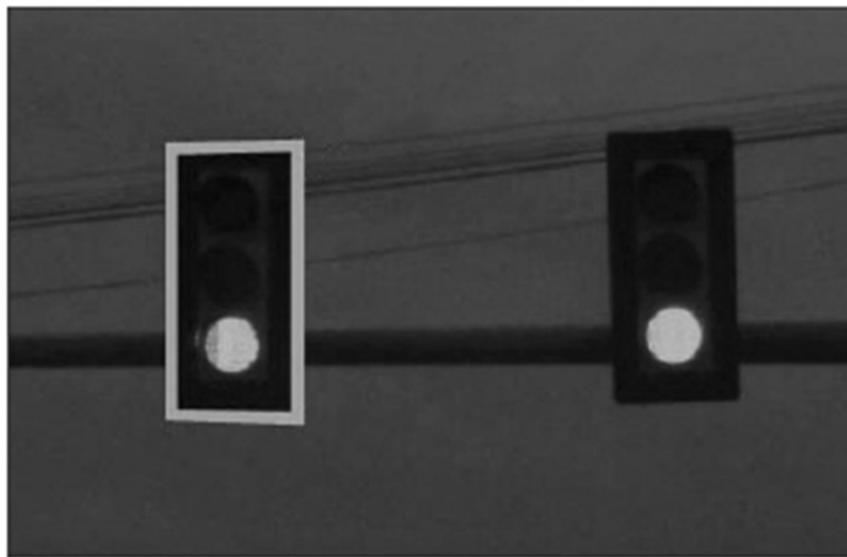
Intersections



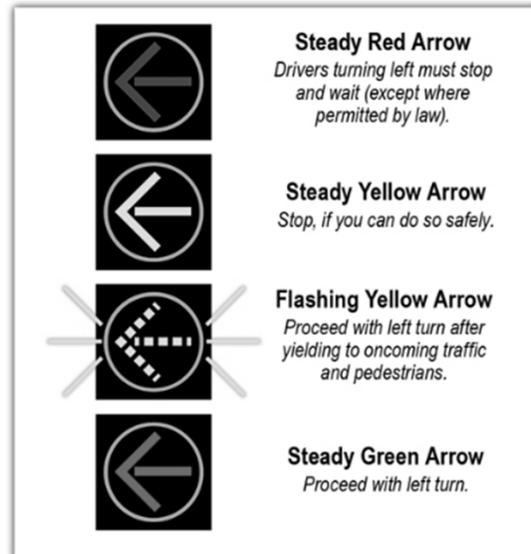
Box Span



Back Plates



Flashing Yellow



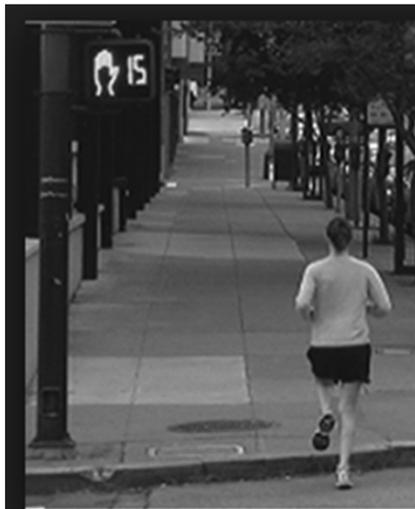
Intersection Implementation Strategy

- Use of CMAQ funds
- Conducting RSA/RSR of high crash areas
- Arterial Traffic Management Committee

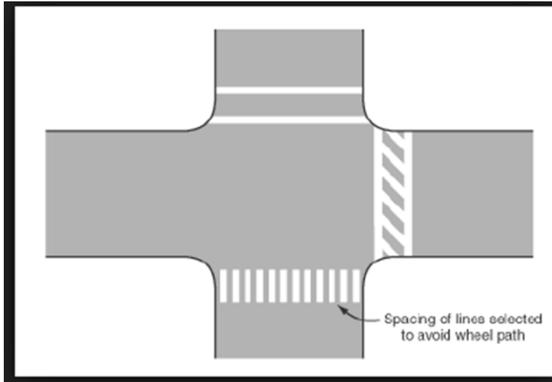
Pedestrian/Bicycle



Pushbutton and Countdown



Enhanced Crossings



Median Refuge Islands



Davison Safety Blitz

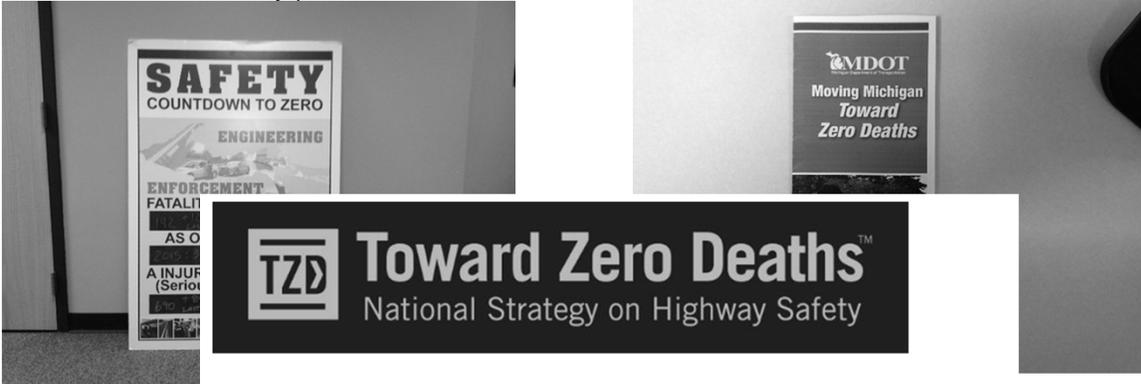
Link to Fox 2 News video:

- <http://www.fox2detroit.com/news/local-news/21404134-story>

Ped/Bike Implementation Strategy

- Systemic approach to ped crossing and delineation
- Systemic approach to ped crossing illumination
- Median refuge islands
- Ensure adequate ped movement green time
- Systemic approach to protected bike lanes

Increasing Awareness



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To date (March 15, 2016) the number of reported fatalities statewide is 165, an increase of 14 from last week. In addition, 611 serious injuries have occurred on roadways statewide, an increase of 63.

Compared to last year at this time fatalities are up by 23 and serious injuries are down 79.

SEMTOC



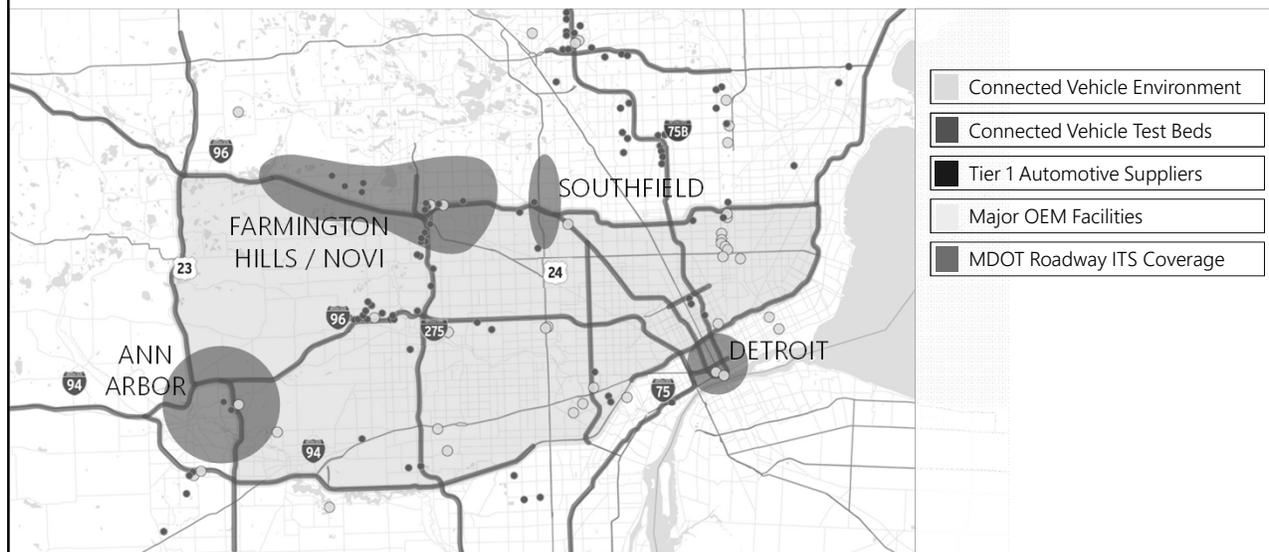
- 24/7/365
- FCP
- 241 Cameras
- 94 DMS
- 144 MVDS
- Targeted Messaging

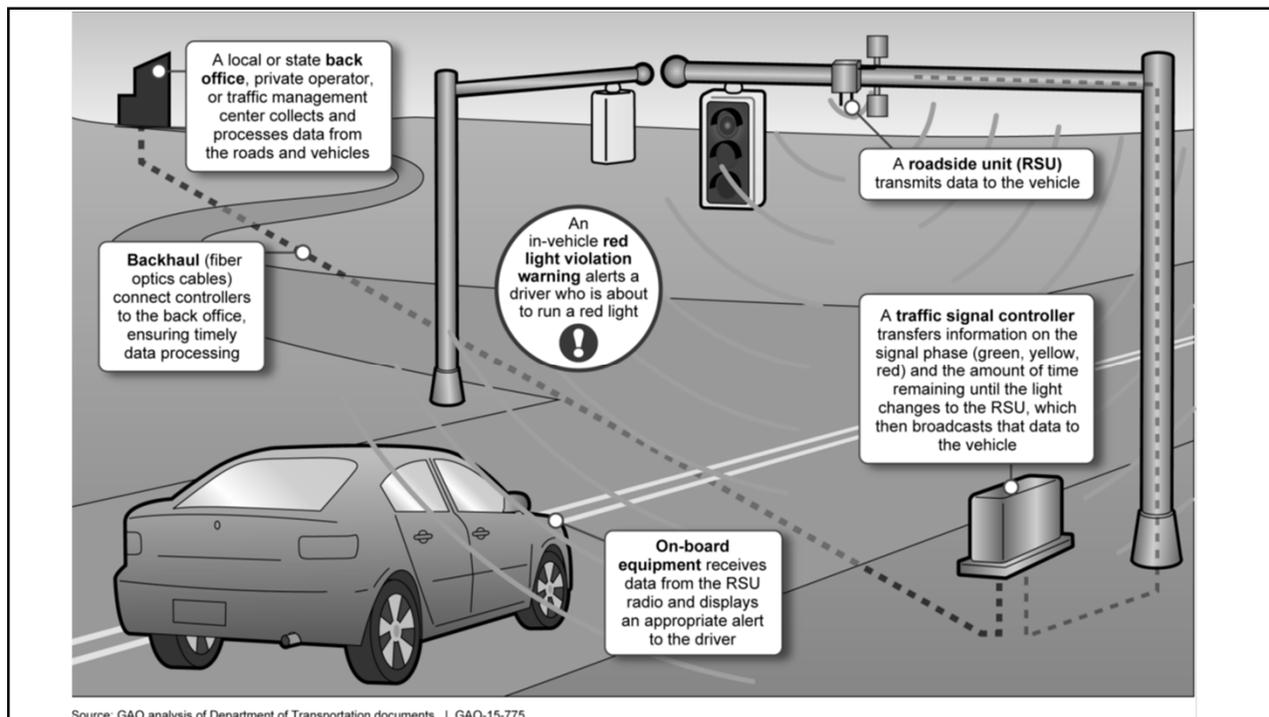
DMS



**165 TRAFFIC DEATHS
TO DATE; UP 23 OVER
MARCH 2015**

Southeast Michigan Connected Vehicle Assets





Connected Vehicle Pilot Applications

Red Light Violation Warning	Work Zone Warning/ Management	Road Weather Management	Pavement Condition

Why am I Passionate?



Group Exercise Time

Feedback Please