Connected Vehicles: Where Are We At?

Director Kirk Steudle, MDOT
MICHIGAN’
INNOVATION =
OPEN INVITATION

Over $60 million annually in innovative R&D

#1 For advanced industry jobs & businesses

Cutting edge technology known as the Smart Corridor

Michigan leads US in connected vehicle projects & legislation
Open Invitation: Michigan’s Legislation
Open Invitation: Michigan’s Legislation

The Detroit News

GM testing smart road tech with MDOT, Macomb Co.

3M and Michigan DOT building USA’s first ‘Connected Work Zone’ on I-75

U.S. Army TARDEC and MDOT continue partnering on advanced vehicle technology

October 5, 2017 -- The U.S. Army Tank Automotive Research, Development and Engineering Center (TARDEC) and the Michigan Department of Transportation (MDOT) have teamed up again to test connected and automated vehicle technology, this time on the Blue Water Bridge in
Current Deployments in Lansing:
CAV Miles Equipped: 10

Current Deployments in Ann Arbor:
CAV Miles Equipped: 55

CAV Miles Equipped by 2018: 350+
CAV Miles Equipped by 2019: 500+

MDOT CAV Infrastructure Deployments:
- Existing & 2017
- 201
- 8
- 201
- 9
RSU CAV Deployments in Macomb County:

CAV Miles Equipped BY 2019: 146

Macomb CDR Deployments

- Represents RSU equipped miles
- Represents Macomb Co. Border
YOUR CONNECTED WORK ZONE.
TARDEC PLATOONING TESTING
Continental and Magna plan first international border crossing in autonomous vehicles

by Autocar Pro News Desk Aug 02, 2017
WE’VE GOT WHAT IT TAKES

✅ Connected Traffic Signals  ✅ CAV Test Facilities
✅ DSRC  ✅ Backhaul Communications
✅ LiDAR Maps  ✅ RSU  ✅ AV Legislation
✅ V2I Applications

The Perfect Ecosystem for Connected and Automated Vehicles
Securing the Next Wave of Talent
S. 1885
BACKGROUND & STATUS

• Continuing the Mobility Momentum within the US
• Consistent Standard
S. 1885
CONTENT & OUTLOOK

• Preemption of State Laws
• Exemptions for Manufacturers
• Applicable to Heavy Trucks Undecided
Questions?

MICHIGAN
GLOBAL LEADER IN AUTOMATED TECH

7 GLOBAL OR NORTH AMERICAN R&D HQ's
8 ORIGINAL EQUIPMENT MANUFACTURERS

#1 CONCENTRATION IN ENGINEERING TALENT

UNRIVALED AUTOMOTIVE MANUFACTURING RESEARCH & DEVELOPMENT