

3M and Michigan Department of Transportation Partner on Nation's First Connected Work Zone on I-75

New Technology will be implemented on plan to modernize I-75 in Oakland County

Today, 3M and the Michigan Department of Transportation (MDOT) announced they are partnering to utilize connected vehicle technologies along more than three miles of I-75. Using leading roadway solutions from 3M, the current I-75 work zone in Oakland County will be transformed over the course of four months to improve safety for drivers and to test advanced vehicle to infrastructure technologies on the connected and autonomous vehicles of the future.

The I-75 Modernization project will position Michigan to be among the first states to test connected vehicle infrastructure at this level of scale. As vehicles become increasingly automated and connected, existing road infrastructure must be updated to ensure safety and reliability of this emerging technology. Signs, pavement markings, temporary traffic controls and vehicle identification systems need to be designed and implemented to pave the way for the data-driven environment of the cars and roadways of tomorrow.

"Technology is transforming not only how we live, but also how we drive," said State Transportation Director Kirk T. Steudle. "Michigan is globally recognized as the leader in automated vehicle research and technology, and through our Planet M initiative, we have solidified ourselves as the hub for mobility innovation. In the spirit of Michigan's commitment to collaboration in the smart mobility sector, we are excited to partner with 3M on this project to make the concept of connected roadways and autonomous driving a reality."

3M will be providing MDOT with advanced all-weather lane markings, retroreflective signs with smart sign technology and DSRC (dedicated short-range communication) devices for vehicle to infrastructure communications. The updated, modern materials will allow for redundancy and greater machine vision, as well as improved driver safety on the roadways. Additionally, 3M will provide work crews ANSI-compliant apparel with 3M™ Scotchlite™ Reflective Material, to ensure proper worker safety throughout the project.

"For almost 80 years, 3M has been leading the development of cutting-edge traffic and roadway worker safety advancements," said John Riccardi, Vice President and General Manager, 3M Traffic Safety and Security Division. "We are always looking for ways to collaborate and innovate as the industry continues to evolve. The future of mobility requires an open ecosystem in which industry leaders connect and collaborate to create new technologies that improve our roadways. The state of Michigan is leading the charge when it comes to the future of mobility and we are looking forward to seeing where this partnership goes."

About 3M

At 3M, we apply science in collaborative ways to improve lives daily. With \$30 billion in sales, our 90,000 employees connect with customers all around the world. Learn more about 3M's creative solutions to the world's problems at www.3M.com or on Twitter @3M or @3MNewsroom.

About Michigan Department of Transportation

The Michigan Department of Transportation (MDOT) is responsible for Michigan's 9,669-mile state highway system, comprised of all M, I, and US routes. MDOT also administers other state and federal transportation programs for aviation, intercity passenger services, rail freight, local public transit services, the Transportation Economic Development Fund (TEDF), and others.

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