As a component of the 33 Smart Mobility Corridor project, the City of Marysville is upgrading all 27 traffic signals in the City and equipping them with Dedicated Short Range Communication (DSRC) radios to be used as Road Side Units aimed at delivering Signal Phase and Timing data and other safety messages to vehicles that have been outfitted with On Board Units (OBUs).

In addition to the deployment of traffic signal upgrades, project partners have also committed to equipping at least 1,200 vehicles with OBUs. The goal is to create a real-world environment where companies, governmental agencies, and academia can develop and test smart technology throughout the entire City in real life situations.

Why Marysville?

The City of Marysville is located in the heart of Ohio’s 33 Smart Mobility Corridor. Through the support of the Ohio Department of Transportation and multiple partners, in 2019, the installation of 432 strands of redundant fiber along US-33 and Industrial Parkway will be completed. This fiber network will allow the City to connect each of its 27 traffic signals for the testing of AV/CV technologies. Additionally, 67 DSRCs will be installed along US 33, allowing for off-the-road testing at the Transportation Research Center and on-the-road testing in rural, suburban, and urban environments. As a smaller community with lower traffic volumes, Connected Marysville will allow >10% penetration rate with 1,200 vehicles equipped with on-board units. As a result, the connected vehicles will have a greater saturation of the local traffic network than if they were in a larger community. This, and the presence of several smart mobility assets in the community, allows for the “right size” design of new technologies.
The nation’s premier smart mobility proving grounds.

In 2019, the installation of 432 strands of fiber-optic cable and Dedicated Short Range Communications Devices (DSRCs) will be completed along the 33 Smart Mobility Corridor: a 35-mile stretch of US 33 spanning Franklin, Logan, and Union Counties between Dublin, Marysville, and East Liberty. This on-the-road infrastructure, when combined with other automotive assets such as the Transportation Research Center and its off-the-road SMART Center, firmly establishes the 33 Smart Mobility Corridor as one of the nation’s premier V2X proving grounds.

An Automotive Ecosystem

With over 65 automotive companies, the 33 Smart Mobility Corridor is home to one of the largest concentrations of manufacturers, research and development firms, and logistics companies in Ohio, if not the Midwest. These automotive assets have allowed the corridor to become a leader in the nation’s automotive industry.

AV/CV Proving Ground

The 33 Smart Mobility Corridor offers a 432-strand fiber network, 94 DSRCs, over $100 million in infrastructure investments, and automotive amenities such for companies engaged in the research, development, testing, and commercialization of smart mobility technologies in off-the-road and on-the-road environments.

Partnerships for Success

The 33 Smart Mobility Corridor is a multi-jurisdictional project that has brought together a number of governmental agencies, academia, and private sector partners that are dedicated to fostering the development of smart mobility technologies. No other region in the United States has such commitment to advancing smart technologies.

www.33smartcorridor.com