

Connected Vehicle Pilot Deployment Program

The program seeks to spur innovation among early adopters of connected vehicle application concepts using the best available and emerging Intelligent Transportation Systems (ITS) and communications technologies.¹

Program Goal Area Findings

Spur Early CV Tech Deployment

Infrastructure



Deployed a centralized, third-party security credential management system (SCMS) **(All)**

Wirelessly Connected Vehicles



Demonstrated cross-site, over-the-air interoperability **(All)**

Mobile Devices



Field-tested pedestrian mobile devices that could communicate with traffic signals **(NYC)**

Measure Deployment Benefits

Safety



50% of drivers given a work zone or winter weather alert reduced their speed **(Wyoming)**

Mobility



Cut inbound expressway travel time index by 30% (estimated) **(Tampa)**

Environment



Emissions savings of 1,287 Kg (estimated) **(NYC)**

Resolve Deployment Issues

Technical



Overcame positioning issues associated with urban canyons **(NYC)**

Institutional



Navigated complex public-private partnerships **(Wyoming)**

Financial



Reduced operational costs by working with a local community college **(Tampa)**