

Accelerate Your V2X Deployment with USDOT's Open-Source Connected Vehicle Equipment Loan Program



Get access to real-world roadside and vehicle onboard equipment at no cost, to make informed procurement decisions.

Borrow. Test. Deploy.

Contact us at cavsupportservices@dot.gov to learn more about available equipment and request a loan.

Source: Federal Highway Administration.



U.S. Department of Transportation
Federal Highway Administration

What Is the Connected Vehicle Equipment Loan Program?

The Connected Vehicle Equipment Loan Program gives agencies, researchers, and developers no-cost access to connected vehicle hardware. Use real devices—roadside units, onboard units, antennas, test tools, and more—to test vehicle-to-everything (V2X) applications, validate interoperability, and accelerate deployment timelines.

Why Use the Loan Program?

- **Try before you buy:** Explore solutions in a risk-free environment before initiating procurement.
- **Test in the real world:** Use proven, standards-compliant hardware.
- **Improve interoperability:** Validate your future V2X system against your existing hardware.
- **Access expert support:** Get assistance from technical leads and documentation.

Available Equipment Includes:

- Roadside units
- Vehicle onboard units and applications
- Signal phase and timing and MAP message test devices
- Smart work zone sensors and arrow boards
- Traffic signal controllers
- Thermal sensors
- Test laptops and tablets
- Global positioning system tracking kits

Ready to Get Started?

Explore the full equipment list, learn how the program works, and submit your loan request at: cavsupportservices@dot.gov

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