

EXECUTIVE SUMMARY

ARTBA COMMENTS: U.S. DOT TRANSPORTATION DIGITAL INFRASTRUCTURE STRATEGY

March 20, 2026

OVERVIEW

U.S. DOT is developing a national strategy for transportation digital infrastructure, which includes the technologies, data systems, and tools used to plan, design, build, and operate transportation assets. ARTBA emphasized the importance of a lifecycle approach that integrates digital construction, data sharing, and emerging technologies to improve project delivery, safety, and system performance.

Key Priorities Identified

- **Holistic digital infrastructure framework.**

Define digital infrastructure broadly to include planning, design, construction, asset management, and operations.

- **Leverage and scale existing programs**

Build on programs like Advanced Digital Construction Management Systems (ADCMS) to accelerate nationwide adoption of proven technologies.

- **Data standards for AI deployment.**

Prioritize high-quality, standardized, and interoperable data to enable safe and effective use of artificial intelligence across jurisdictions.

- **Risk-based cybersecurity approach.**

Align cybersecurity requirements with specific technologies and use cases to avoid slowing deployment while maintaining strong protections.

- **Technology deployment and innovation.**

Support pilot programs, open data environments, and scalable adoption pathways to move technologies from research into practice.

ARTBA's Overall Recommendation

Adopt a lifecycle-focused digital infrastructure strategy that leverages existing programs, strengthens data foundations, and supports scalable, risk-based deployment of advanced technologies.