Knowledge Networks for Infrastructure Systems
Bridges as Case Studies

This NSF project is creating a Civil Infrastructure Systems Open Knowledge Network to address longstanding challenges by allowing integrated representation, access, and analysis of data from multiple sources. It aims to empower stakeholders and decision makers with data analytics and AI tools to access, integrate, and analyze civil infrastructure system data to improve construction, operation, and maintenance decision making.

> " Deteriorating infrastructure, long known to be a public safety issue has a cascading impact on our nation's economy, impacting business productivity, GDP, employment, personal income, and international competitiveness. —*The American Society of Civil Engineers (ASCE)* "

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METRANS' *mission is to* **Solve Transportation Problems of large metropolitan regions** *through interdisciplinary research, education and outreach.*