



INTELLIGENT TRANSPORTATION SYSTEMS ARCHITECTURE UPDATE EXECUTIVE SUMMARY

November 2025



EXECUTIVE SUMMARY

The Wichita Area Metropolitan Planning Organization (WAMPO) began efforts to update the regional Intelligent Transportation Systems (ITS) Architecture in fall of 2024. This project also included an ITS inventory, outline of deployment strategies, and identification of all data sources that could be beneficial in assisting with decision making. The ITS architecture, last updated in 2006, was transferred to the current national software program RAD-IT. The team then performed a gap analysis – identifying processes, elements, or stakeholder that should be included in the update.

A Steering Committee was formed with key role players from around the region to meet over a series of four engaging meetings and numerous informal discussions. The committee was tasked with guiding the update process while providing information about current issues and projects as well as future deployments in their jurisdictions that may require ITS solutions. The committee members included staff from WAMPO, Derby, Wichita, Park City, Haysville, Andover, Sedgwick County, KDOT, and FHWA Kansas.

In addition to the Steering Committee, a formal stakeholder event was held along with a series of individual one-on-one stakeholder discussions to gain input from a wide range of people, organizations and agencies involved in transportation in the region. Lastly, an online survey was broadcasted to stakeholders to ensure everyone had continuous opportunity for input as the project progressed.

Outcomes:

- **Updated Regional ITS Architecture**

The architecture has been updated to reflect advances in technology and processes, completion of projects described in the original plan, and removal of obsolete information. The stakeholder's list was improved by updating agencies. Agreements, roles and responsibilities, and communication links between jurisdictions are also updated for clarity and accuracy.

- **Development of the ITS Architecture Maintenance Plan**

The maintenance plan includes elements of the ITS Architecture that should be reviewed regularly, a schedule for maintenance activities, and the process for making changes to the ITS Architecture.

- **Updated ITS Strategic Deployment Plan**

This is a more detailed plan of potential projects within and between jurisdictions that may require ITS solutions. It lists near-term and long-term projects. This document can be useful for jurisdictions to coordinate similar projects and for planning purposes within the region.

The regional ITS Architecture is designed to be a living document, changing with growth, advances in technology and shifting priorities. It serves as a guidebook, a repository for data, a record, and a valuable resource for anyone involved in transportation planning and implementation in the WAMPO region.