

Regional ITS Architecture and Strategic Plan Update

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Project Background

- Update to the 2022 Regional ITS Architecture and Strategic Plans for the OKI MPO Planning Area
- Reflect current ITS investments and future ITS needs
- Foster interagency coordination and information/resource sharing
- Enhance transportation operations
- Improve safety and efficiency

OKI REGIONAL ITS ARCHITECTURE UPDATE AND STRATEGIC PLAN



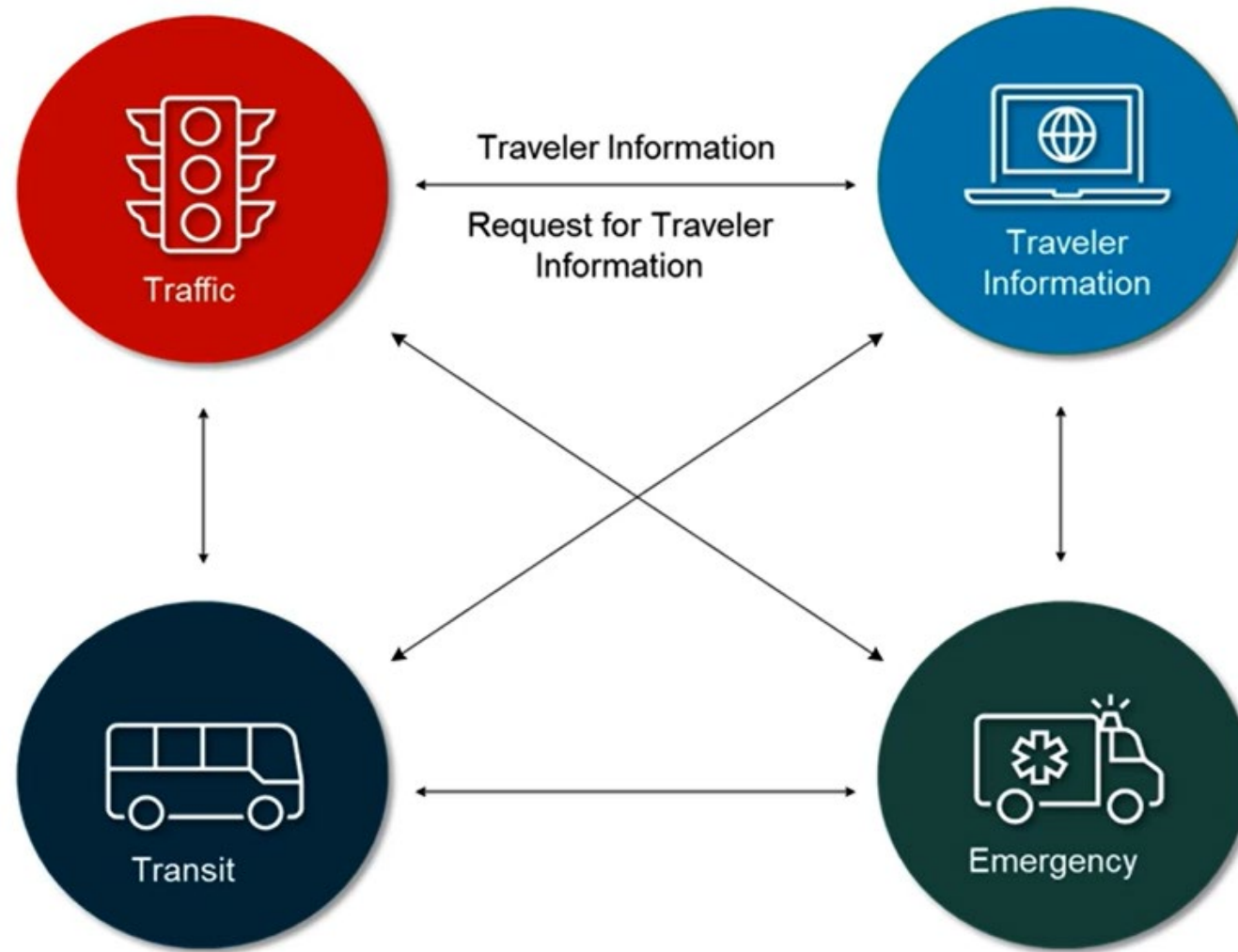
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Intelligent Transportation Systems (ITS) integrate different information and communications technologies into road transportation infrastructure and vehicles, to help make the transportation system safer and more efficient.

ITS Architecture Provides a Framework for Integration



ITS Applications: Infrastructure-Based



**Arterial
Management**



**Freeway
Management**



Transit Management



**Traffic Incident
Management**



**Emergency
Management**



Traveler Information



**Information
Management**



**Electronic Payment
& Pricing**



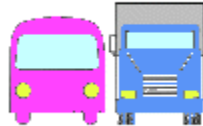
**Road Weather
Management**



**Roadway Operations
& Maintenance**



**Crash Prevention &
Safety**



**Commercial Vehicle
Operations**



Intermodal Freight

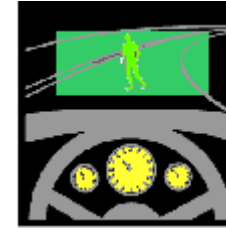
ITS Applications: Vehicle-Based



**Collision
Avoidance
Systems**



**Collision
Notification
Systems**



**Driver Assistance
Systems**

Why are the ITS Architecture and Strategic Plan Needed?

- Qualify for federal funding (23 CFR Part 940)
- Facilitates electronic information sharing
- Promotes utilization of common standards being developed nationally
 - Multiple supplier vendor market (more competition = lower costs)
- Facilitates future expansion, integration and interoperability of key ITS services at local, regional and national levels
- The Strategic Plan helps communities plan for the future.

ITS Architecture Projects

- Asking for projects/technology that have been implemented since the last plan update (2022), programmed for the near future, or could be implemented over the next 10 years.
- Example projects from the last update:
 - BCRTA BGO App
 - City of Blue Ash Traffic Control System Phase 1
 - City of Loveland Emergency Vehicle Preemption
 - Liberty Twp Signal Preemption Upgrade
 - Boone County Traffic Control Center and Corridor Project Tier 1 & 2

Next Steps

- Reaching out to agencies and organizations to provide existing and future projects.
- Deadline for project submittal: November 3rd
- **Which agencies should submit projects?** Agencies who have or will use federal funds to purchase and/or implement ITS projects and technology.

Contact Info

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