

## **USDOT's Integrated Corridor Management Initiative**

### **January 2005**

The Integrated Corridor Management Systems (ICM) initiative is one of the nine Tier I Initiatives recently launched by the U.S. Department of Transportation's (USDOT) Intelligent Transportation Systems (ITS) program to improve transportation safety, relieve congestion and enhance productivity. The ICM Program vision is that metropolitan areas will realize significant improvements in the efficient movement of people and goods through effective and proactive integration and management of major transportation corridors. Integrated Corridor Management will result in a reduction of travel times, delays, fuel consumption, emissions, and incidents, and an increase in reliability and predictability of travel times.

#### What is Integrated Corridor Management?

Integrated Corridor Management is the coordination of individual network operations between adjacent facilities that creates an interconnected system capable of cross network travel management. For the purposes of this initiative, a corridor is defined as a combination of discrete parallel or related surface transportation networks (e.g., freeway, arterial, rail networks) that link the same major origins and destinations. It is defined operationally rather than geographically or organizationally. The collection of transportation networks along a corridor and the collective impact of their operations will be the significant factors in determining the unique geographic and organizational boundaries in a specific corridor.

#### Purpose of the ICM Initiative

The ICM initiative will identify and close key knowledge gaps. The goal of the ICM initiative is to provide the institutional guidance, operational capabilities, and ITS technology and technical methods needed for effective Integrated Corridor Management Systems. The initiative will demonstrate effective corridor management systems and strategies through successful coordination among corridor agencies, ITS technology deployment, and proactive implementation of corridor operations to fully utilize existing corridor capacity to maximize mobility and productivity.

#### ICM Activities

Phase I activities have been initiated to conduct foundational research studies. The foundational research studies will assist the USDOT in developing an understanding of the institutional, operational, and technical integration needs and issues of deploying an integrated corridor management system. The outcomes of this effort will be an understanding of the integration issues, a Generic ICM Concept of Operations, a greater understanding of what is needed to institute and operate corridor management, and the ability to determine the feasibility of moving to the development phase, Phase 2, of the ICM program.

#### Additional Information on the ICM Initiative

For more information and to provide feedback on the ICM initiative, please refer to the Integrated Corridor Management Systems Program Plan and the Integrated Corridor Management Systems Vision, which can be downloaded from <http://www.itsa.org/icm.html>, or contact Mr. John Harding, FHWA Office of Operations, (202) 366-0640, or Mr. Sean Ricketson, FTA Office of Mobility Innovation, (202) 366-6678.

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