



safety

mobility

productivity



Proven and promising ITS technologies will be used to improve mobility and enhance productivity on major corridors in large metropolitan areas.



For more information about this US DOT initiative:

www.its.dot.gov/icms
John Harding
Federal Highway Administration
john.harding@fhwa.dot.gov
Mike Freitas
ITS Joint Program Office
michael.freitas@fhwa.dot.gov

For more information about the US DOT ITS program:

866.367.7487
itshelp@fhwa.dot.gov
ITS Joint Program Office
400 7th Street, SW, Room 3416
Washington, DC 20590

Integrated Corridor Management Systems

A Major ITS Initiative

Improving Transportation Corridor Management Systems

Traveling within a busy city can be frustrating and time-consuming. Traffic congestion continues to grow, with the greatest concentration of congestion along the principal routes in major metropolitan areas. These "critical corridors" that link activity centers (e.g., business centers, sports arenas, and shopping areas) with residential areas carry the highest volumes of people and goods. Despite an array of transportation management tools, integrated corridor management has not naturally emerged.

Collaboration between planning and operations communities and integration of travel management tools could help shift travel demands between facilities and modes, thus reducing delays and increasing reliability and predictability of travel. Unused corridor capacity often exists on parallel routes, on the non-peak direction on freeways and arteries, within single-occupant vehicles, and in transit vehicles. Shifts in travel demand to unused capacity can be accomplished by delivering real time travel data through in-vehicle devices, changeable message signs, and 511 services, as well as through various traffic and transit management strategies, including adaptive traffic signal and ramp metering systems. This initiative will demonstrate how ITS technologies can efficiently and proactively manage the movement of people and goods in major transportation corridors in large cities. A planned model deployment will show how proven and promising ITS technologies, working together, can improve corridor mobility and productivity.

Achieving Integration

This initiative builds on many individual tools already developed. Corridor management can be achieved through collaboration and coordination between the operations and planning communities and through integration of the services that these agencies provide.

In partnership with State and local governments, this initiative will:

- Pull together ongoing, nearly completed, and planned work into a proactive corridor management focus
- Identify and close knowledge gaps
- Design and implement a major model deployment and other technology transfer activities that will give the transportation community the information and tools it needs to make improvements in corridor management

