

## NCHRP 20-68A – “US Domestic Scan Program”

### Scan 12-02 Advances in Strategies for Implementing Integrated Corridor Management (ICM)

#### Description of Scan

Many jurisdictions have implemented a variety of strategies for maximizing flow on facilities by using all available pavement and managing their facilities using new technologies and better techniques. Most recognized the importance of inter-jurisdictional coordination with emergency responders, maintenance and incident response, and construction management as well as timely notification to the public in managing their systems. Monitoring traffic operations through use of a traffic management centers with reliable detection and surveillance and with available strategies to deploy such as incident response is an active engagement in the reduction of recurring and non-recurring congestion. Pulling this all together through Integrated Corridor Management (ICM) is essential to successful system management. However, actively integrating the separate strategies such as ramp metering, arterial coordination, detour planning, traveler information, and managed lanes in a real time manner, new challenges in TMC staffing and funding are introduced.

To identify successful strategies that have been successfully implemented this scan will examine practices in DOTs, MPOs and other jurisdictions in states such as Florida, New York, Utah, Texas, and Washington to examine topics such as:

- What are best practices in staffing real time corridor management
  - Classifications, team assignments,
  - Inter-jurisdictional staff sharing
  - After-hours staffing or call-out processes
- How are ICM projects and operations funded
- What is the role (if any) of contracted-services
- What system-support staffing changes are needed

Of special interest are considerations made regarding freight corridors.

Anticipated scan results may focus on the several key issues, including

- Understanding how to most efficiently implement ICM technologies
- Funding
- Addressing staffing issues
- Outsourcing of certain functions

**Original Scan Proposal Title(s):** DSP-13-12 Institutional Challenges of Implementing Integrated Corridor Management (ICM)

*Last Reviewed/Revised January 7, 2012*

## Scan Team Membership

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## Execution Schedule

Milestone	Anticipated Date
Chairs and Team Members Identified	March – July 2013
Desk Scan Completed	October 2013
Prescan Meeting Held	October 2013
Scan Conducted	March 2014
Draft PowerPoint submitted by SME	April 2014
Draft Report Delivered to NCHRP and Panel	June 2014
Final Report Delivered to NCHRP	September 2014

**Estimated Scan Cost:** \$150,000

Anticipated Duration: 2 weeks

*Last Reviewed/Revised September 16, 2013*