Topic: 2. Solutions for Sustainable Mobility
PR12: The European ITS platform+: a key player to support future deployment plans

Robert Sheehan
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BORDEAUX 2015

22nd

ITS World Congress

Bordeaux, **France**

5 to 9 October

2015

Deployment of the ITS and Operations in the US

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Outline

- Performance Management
- Encouraging Deployment of ITS
- Evaluating Deployment
- V2I Deployment Coalition
- National Operations Center of Excellence
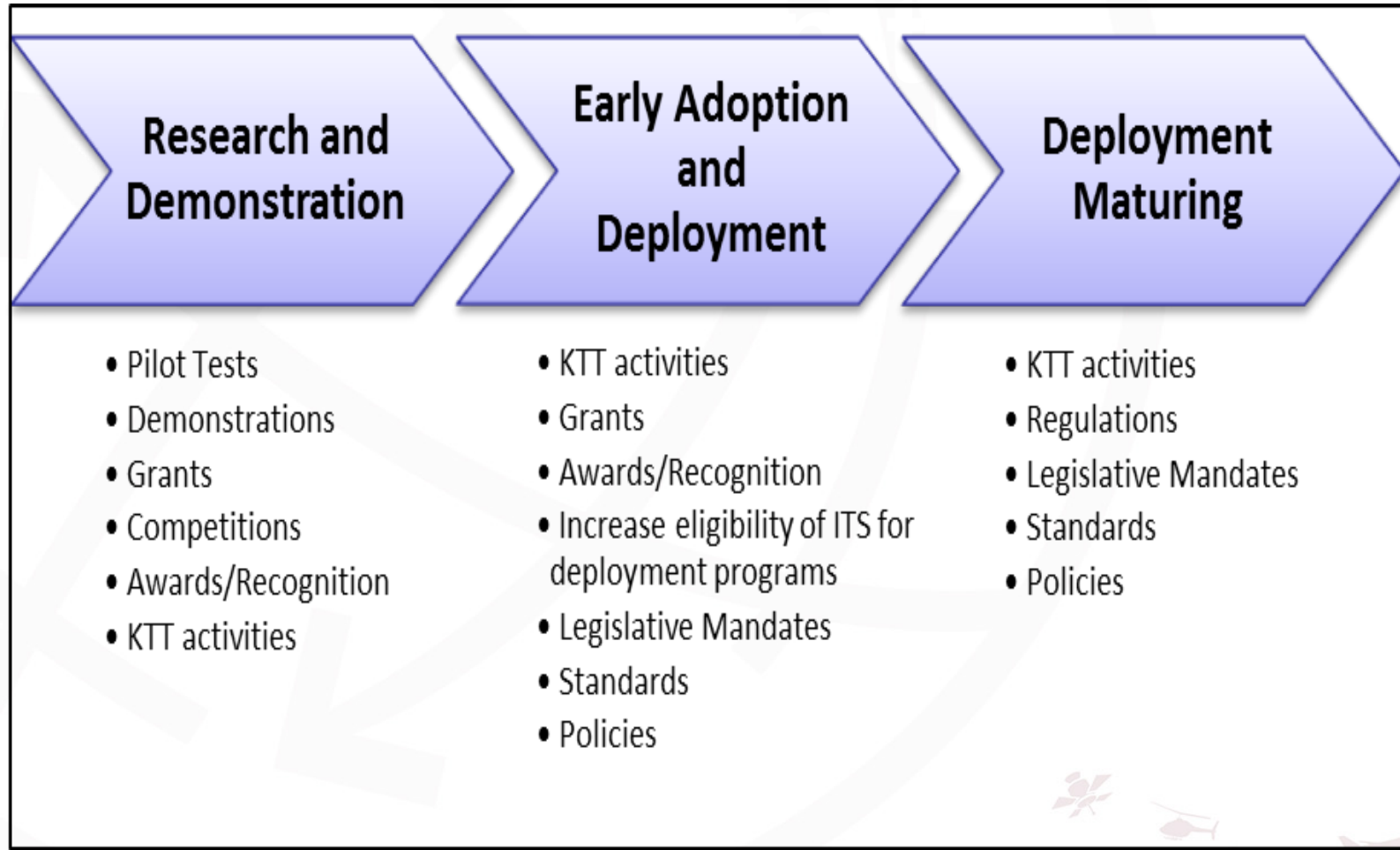- Integrated Corridor Management
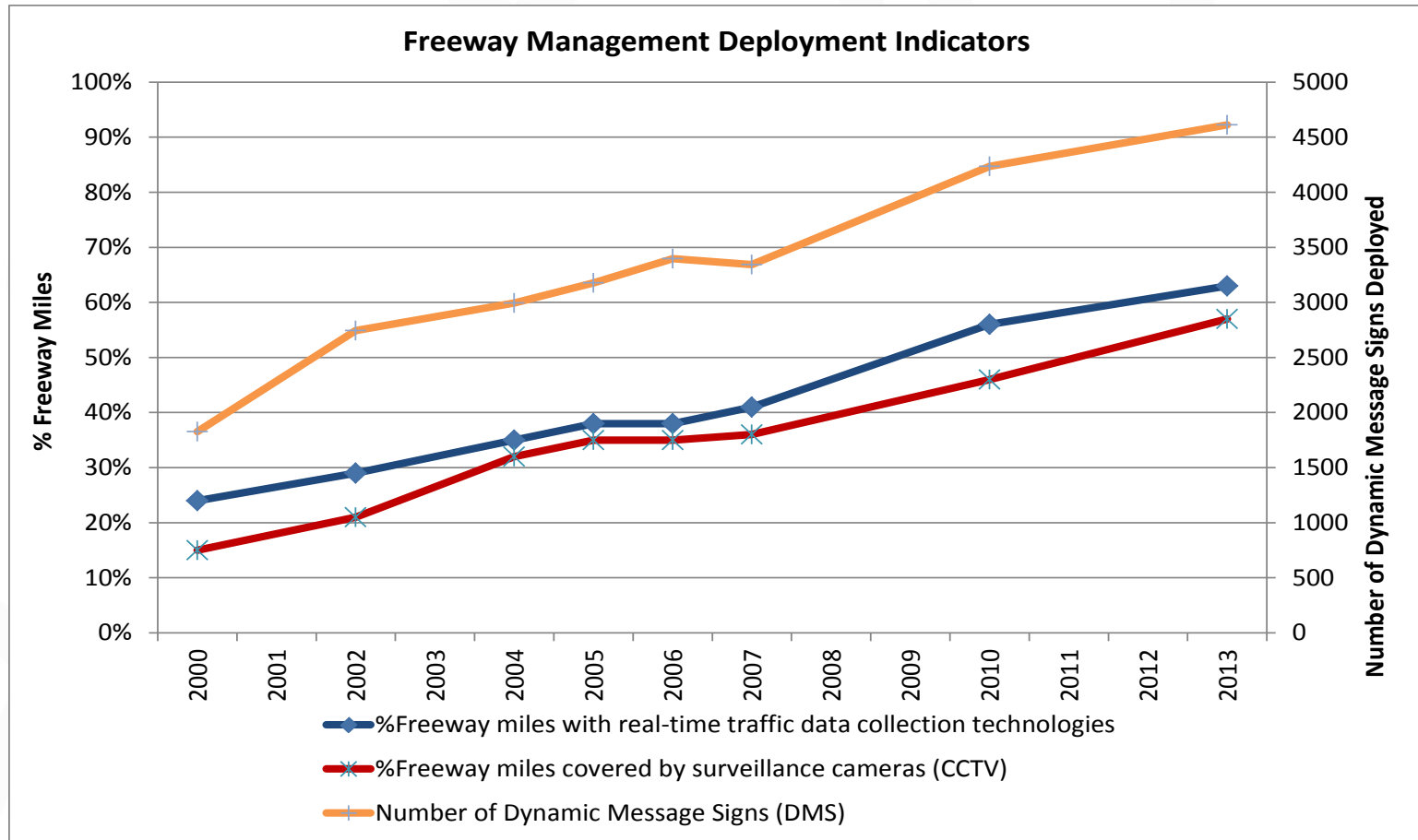- Connected Vehicle
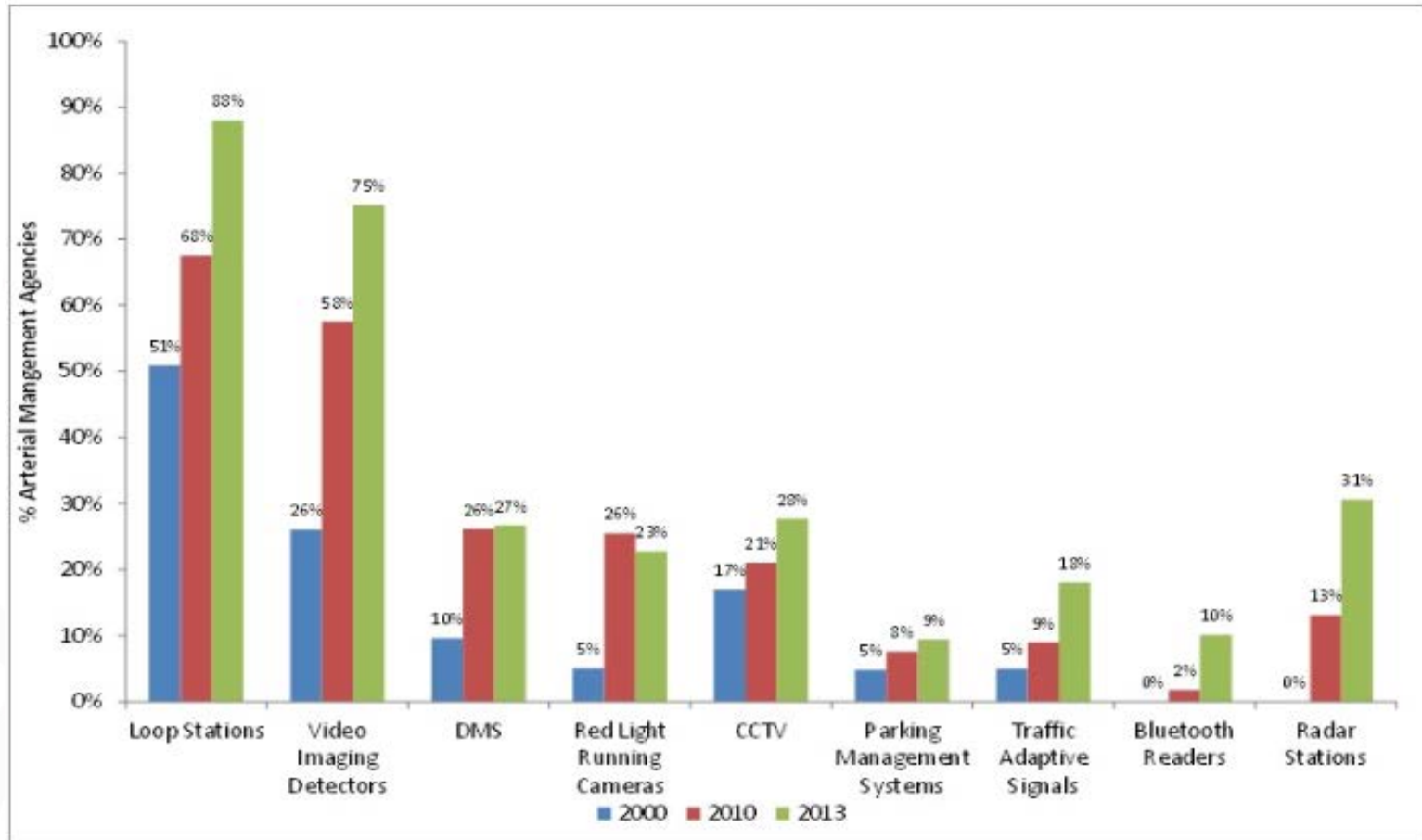
Performance Management

Encouraging ITS Deployment

Research and Demonstration → **Early Adoption and Deployment** → **Deployment Maturing**

Research and Demonstration
- Pilot Tests
- Demonstrations
- Grants
- Competitions
- Awards/Recognition
- KTT activities

Early Adoption and Deployment
- KTT activities
- Grants
- Awards/Recognition
- Increase eligibility of ITS for deployment programs
- Legislative Mandates
- Standards
- Policies

Deployment Maturing
- KTT activities
- Regulations
- Legislative Mandates
- Standards
- Policies

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Evaluate Deployment

Freeway Management Deployment Indicators

Legend:
- %Freeway miles with real-time traffic data collection technologies
- %Freeway miles covered by surveillance cameras (CCTV)
- Number of Dynamic Message Signs (DMS)

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Evaluate Deployment

National Operations Center of Excellence

NOCoE

Goal:

Make it THE place to go for TSM&O information and peer exchange

Content:

Technical resources

Calendar of events from many sources

Discussion forums

Peer exchanges

Webinars

Case studies, and much more
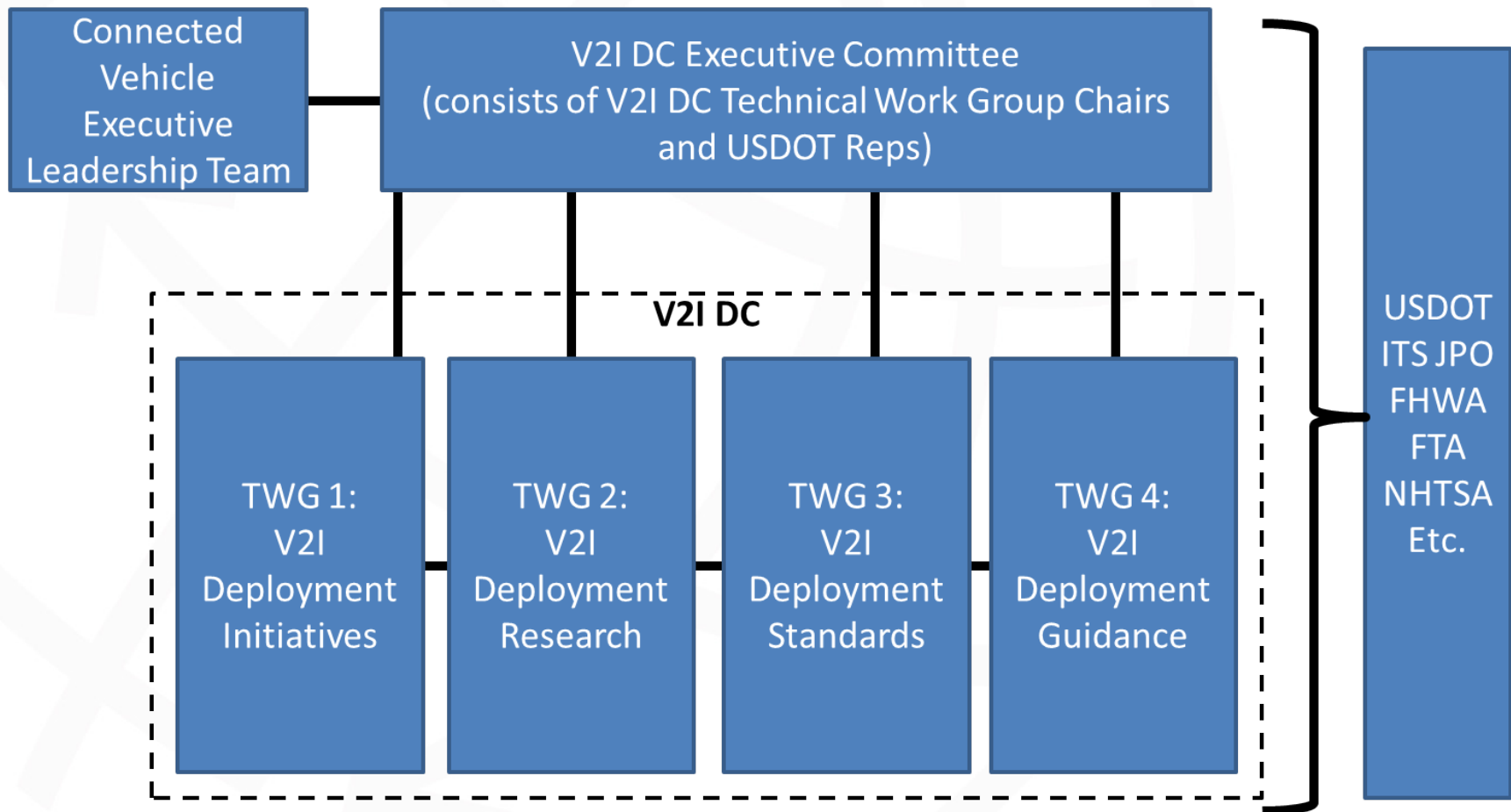
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CV V2I Deployment Coalition

- Provide leadership on Connected Vehicle (CV) Program deployment efforts
- Establish CV deployment strategies
- Lead and provide support on continued technical research for CV
- Support CV standards development
- Provide input to and refinement of CV guidance
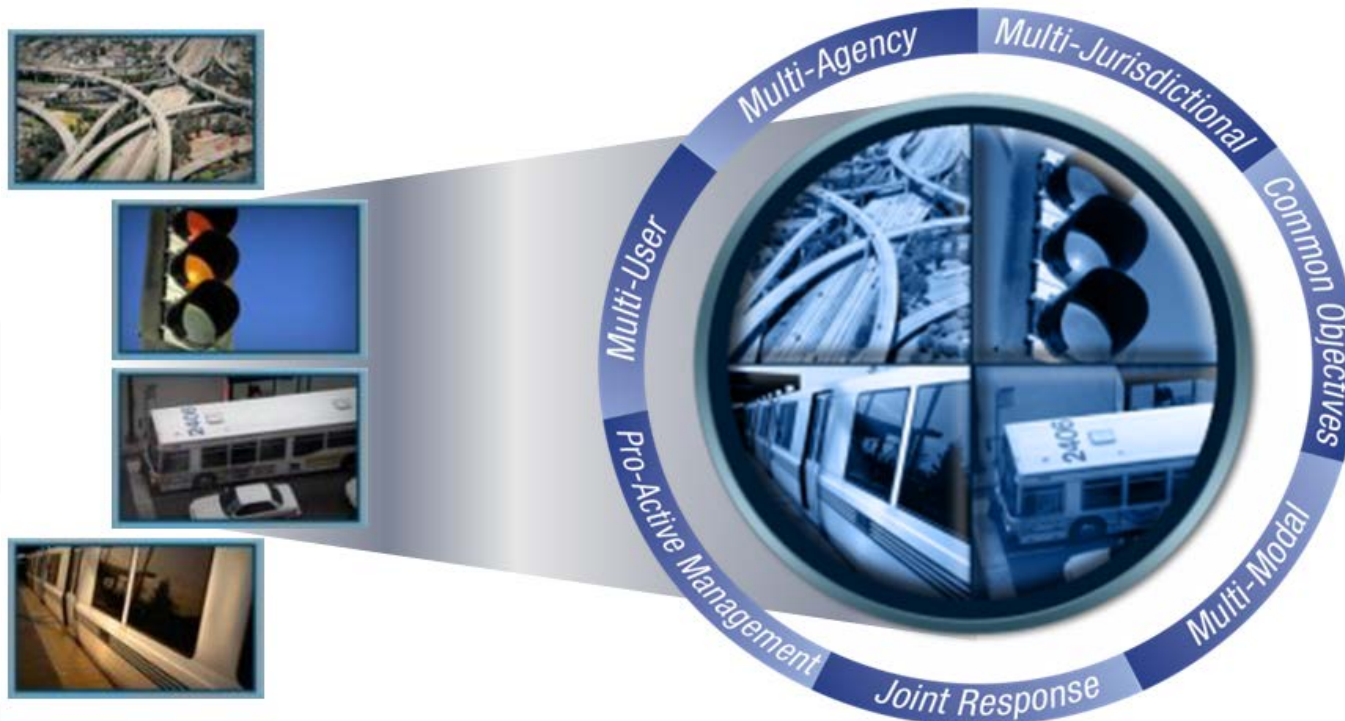
V2I Deployment Coalition

Connected Vehicle Executive Leadership Team

V2I DC Executive Committee (consists of V2I DC Technical Work Group Chairs and USDOT Reps)

V2I DC

TWG 1: V2I Deployment Initiatives

TWG 2: V2I Deployment Research

TWG 3: V2I Deployment Standards

TWG 4: V2I Deployment Guidance

USDOT ITS JPO FHWA FTA NHTSA Etc.

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Top Issues

V2X Applications	Understanding V2I Liability Assignment
Complementary Communications to DSRC	V2I Synergies with Other Emerging Technologies
V2I Data	V2I Consumer Messaging
Patents-Intellectual Property	V2I Multimodal Applications
Security	Infrastructure Processes as V2I Obstacles
V2I Outreach	Federal V2I Policy Statement
Understanding the Benefits and Costs of V2I Deployment and Operation	Maintaining V2I Infrastructure
V2I Standards	Operator and OEM Goals for V2I

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Integrated Corridor Management

An opportunity exists to realize significant improvements in the efficient movement of people and goods through <u>integrated</u> and <u>proactive</u> management of major multimodal transportation <u>corridors.</u>
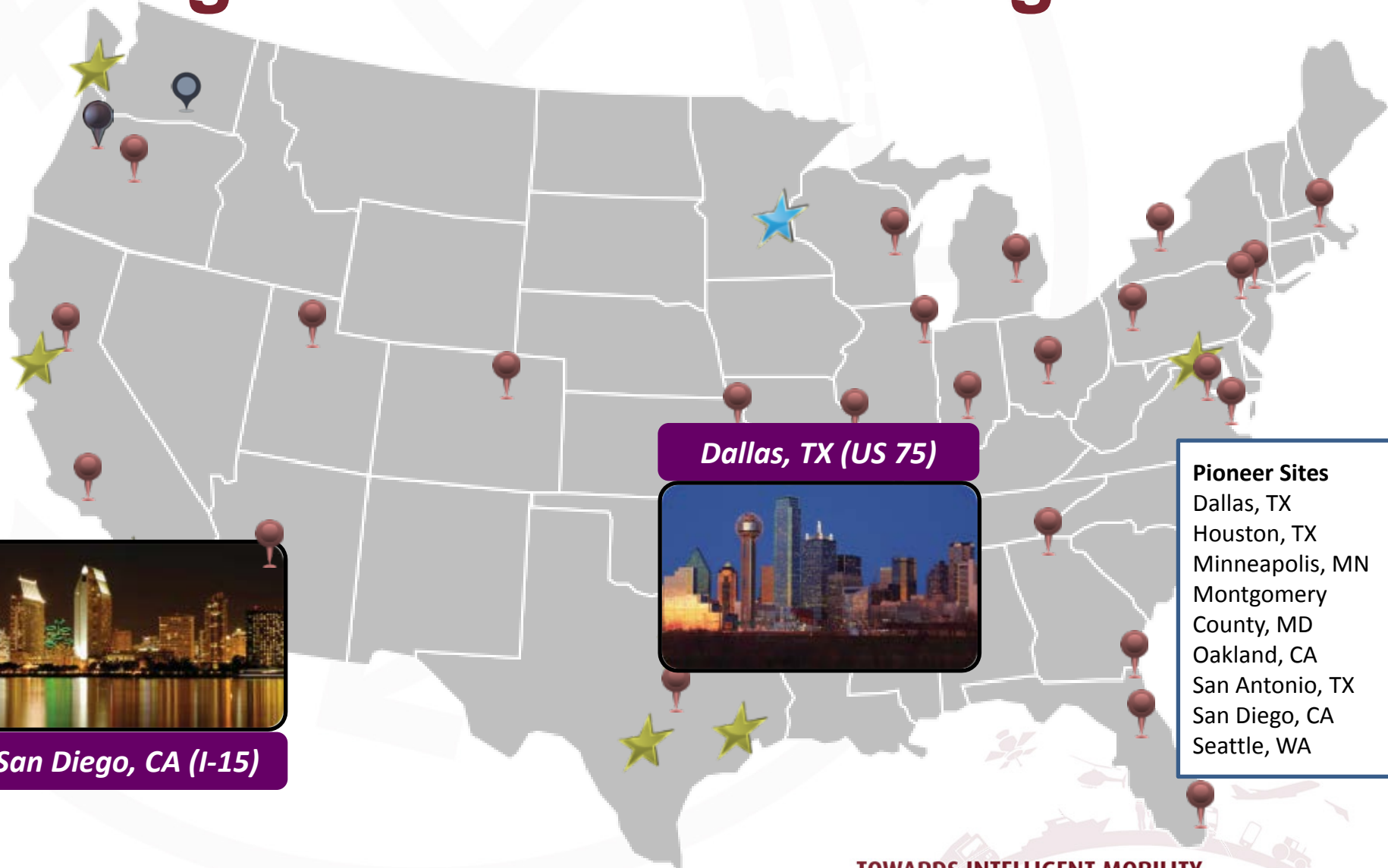
Integrated Corridor Management

Dallas, TX (US 75)

San Diego, CA (I-15)

Pioneer Sites
Dallas, TX
Houston, TX
Minneapolis, MN
Montgomery County, MD
Oakland, CA
San Antonio, TX
San Diego, CA
Seattle, WA

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Connected Vehicle
Pilot Deployment Program

Wyoming

New York City

Tampa, Florida

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New York City

Photo Courtesy: MTA New York City Transit

U.S. Department of Transportation

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Tampa, Florida

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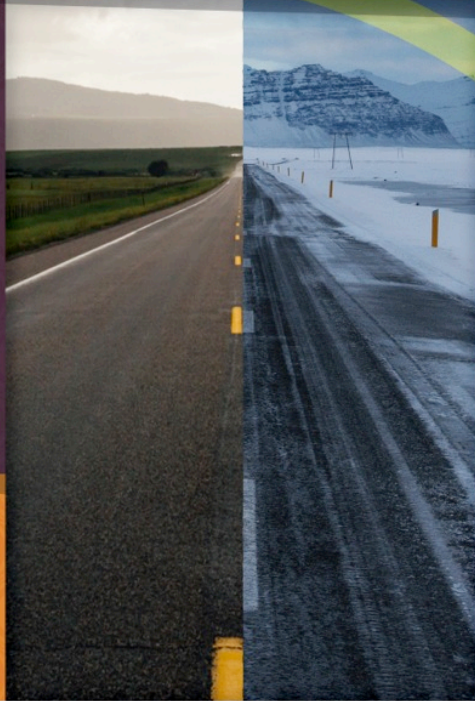TAMPA HILLSBOROUGH
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AUTHORITY

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Wyoming

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