



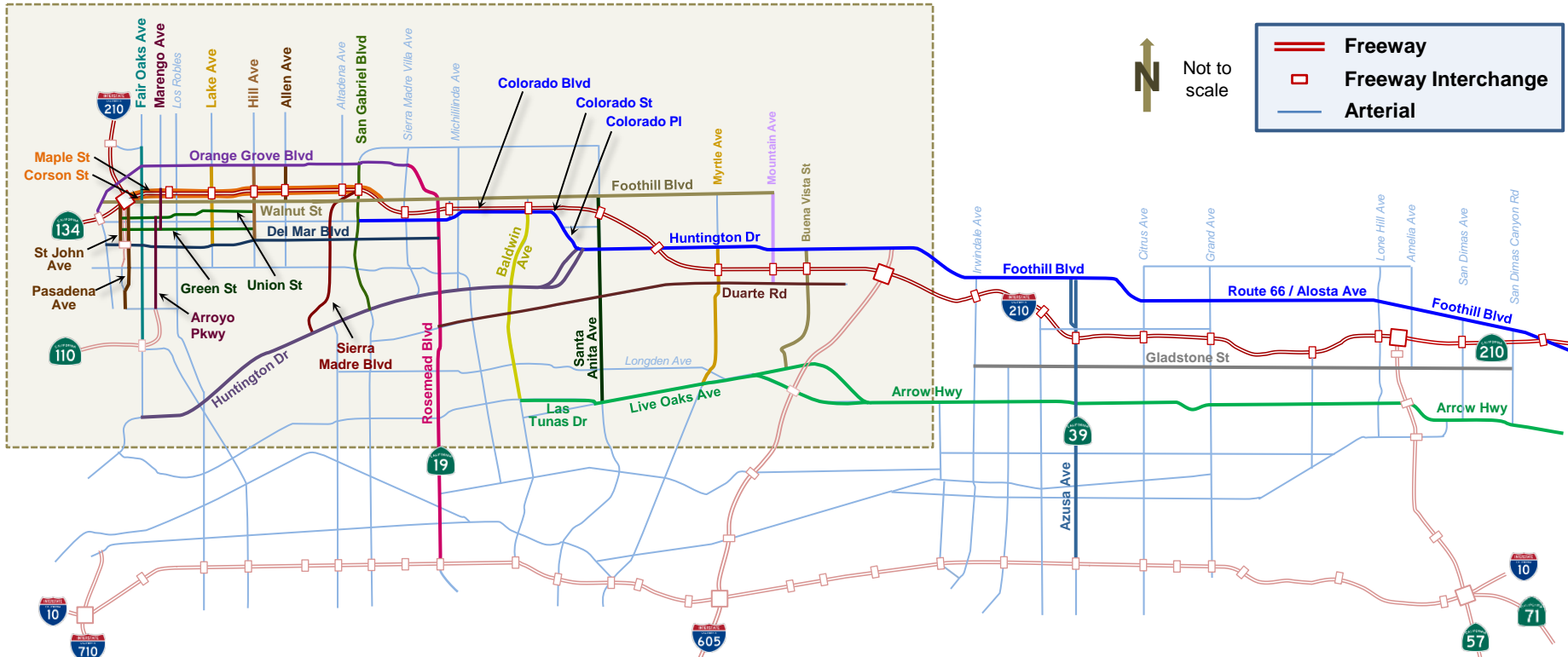
Connected Corridors I-210 Pilot Project

March, 2014

I-210 Project Corridor & Caltrans Partners

2

Phase 1 Area of Interest



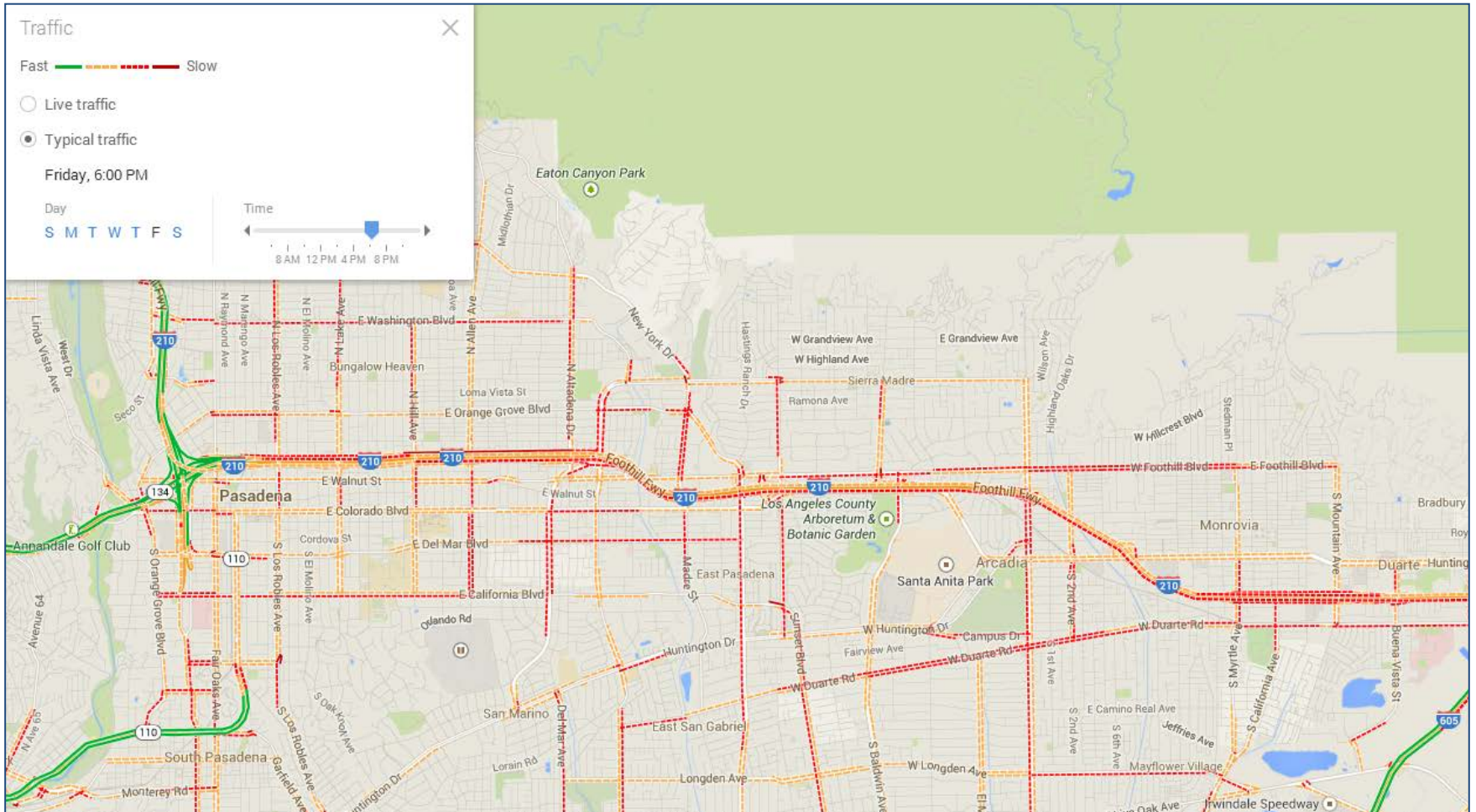
Current Partners Identified (but are not limited to):

- Caltrans, Metro, UC Berkeley PATH, LA County, Pasadena, Arcadia, Monrovia, Duarte, (Phase 2 - Irwindale, Azusa, Glendora, San Dimas, and La Verne)



I-210 Freeway and Arterials Congested

3



Lots of Incidents on I-210

4

E/210 to E/210
Tunnel Accident
Nov 21, 2013
First Rain of the
Season



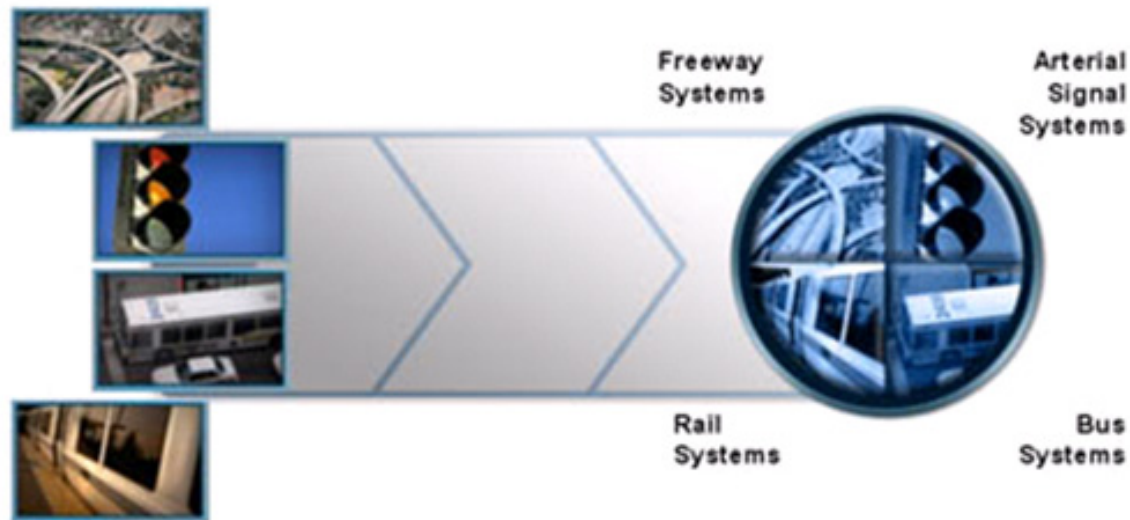
Current Operations

- Transportation corridors often contain unused capacity in the routes, the non-peak direction on freeways and arterials, single-occupant vehicles and transit services that could be leveraged to help reduce congestion.
- Traffic information today is often fragmented, outdated, or not completely useful.
- Networks are independently operated and efforts to date to "reduce congestion" have focused on optimization of individual networks.



Integrated Corridor Management (ICM)

- With ICM, partner agencies manage the transportation corridor as a system, rather than managing individual assets, in order to improve travel time reliability and predictability, help manage congestion, and empower travelers through better information and more choices through all facilities and modes.

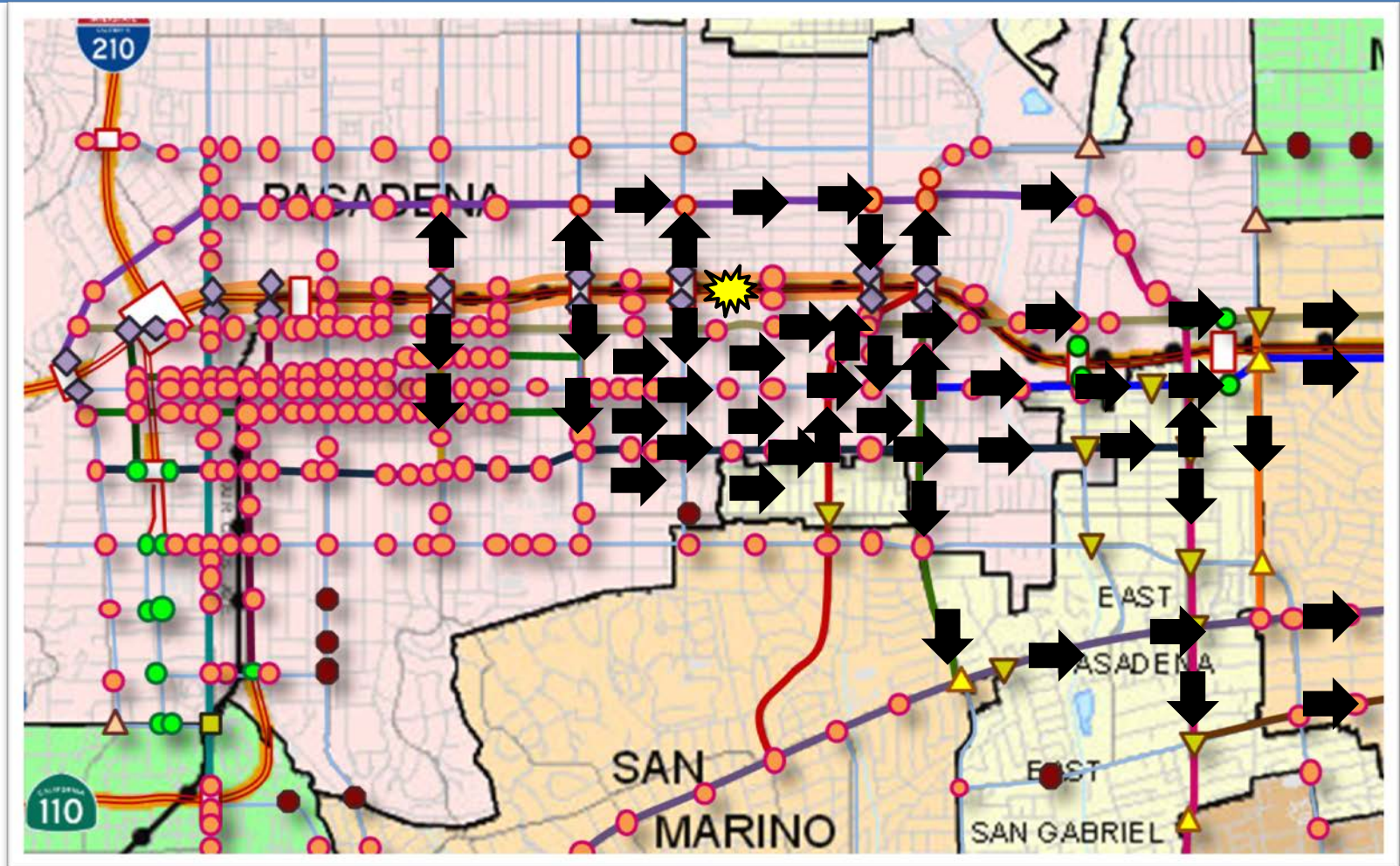


Existing ICM Efforts (United States)

Corridor	Corridor Type	Lead Agencies	Activities
I-15 Diego	Suburban	SANDAG	<ul style="list-style-type: none"> • ConOps and System Requirements developed in 2008 • Simulation evaluation in 2009-2010 • System launched October 2013 • Currently in evaluation phase
US-75 Dallas	Suburban & urban	DART	<ul style="list-style-type: none"> • ConOps and System Requirements developed in 2008 • Simulation evaluation in 2009-2010 • System launched in April 2013 • Currently in evaluation phase
I-80 Bay Area	Suburban & urban	MTC / Caltrans	<ul style="list-style-type: none"> • ConOps developed in 2010 • Groundbreaking in October 2012 • Expected to be completed Summer 2015
I-95 / I-395 Virginia	Rural, Suburban & Urban	Virginia DOT	<ul style="list-style-type: none"> • ConOps development initiated in 2012 • Currently developing deployment plan & partnerships

Operational Scenario (Incident Response Example)

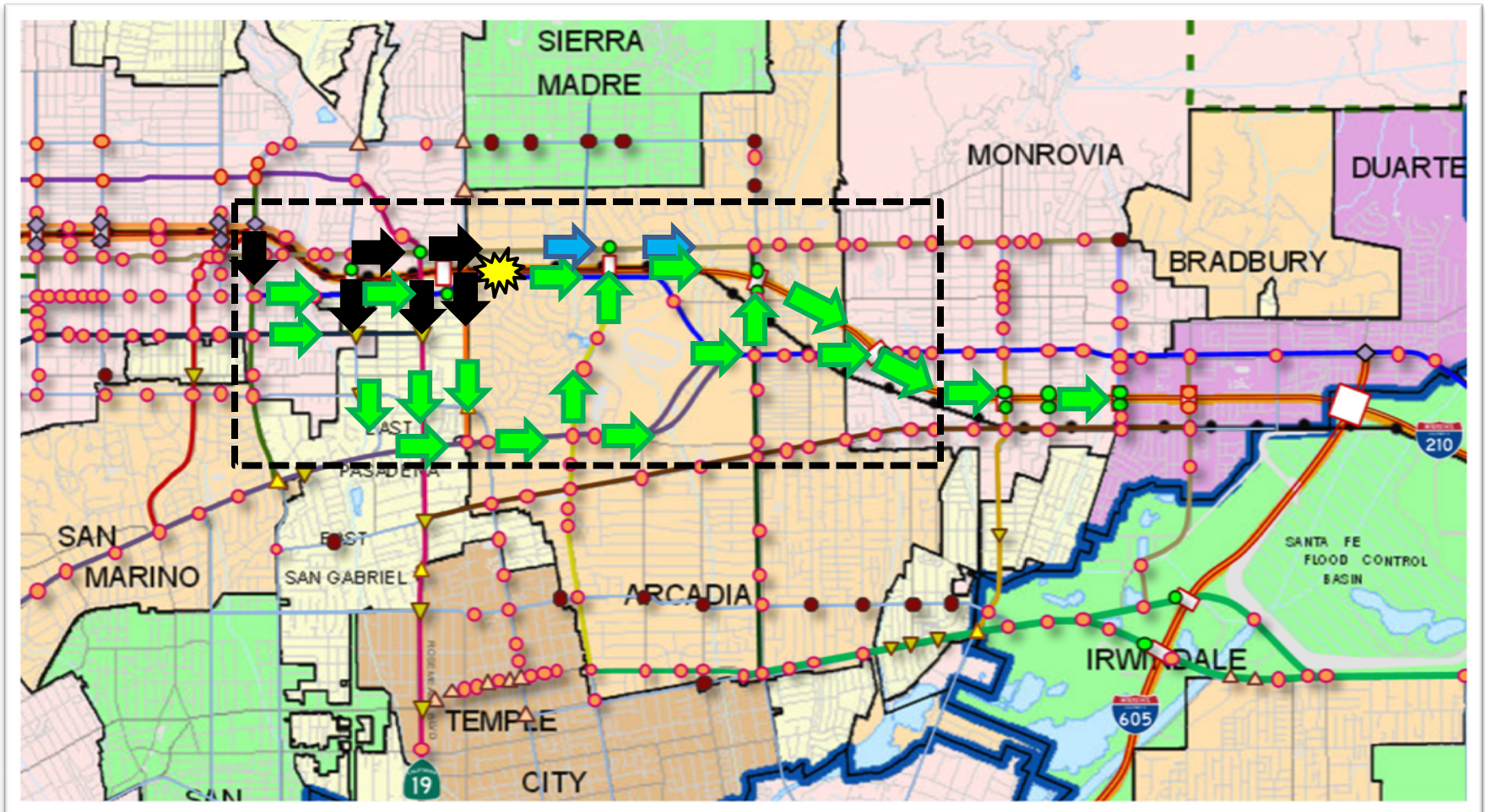
8



Operational Scenario (Incident Response Example)



9



I-210 Pilot Project Goals

10

- ❑ **Bring together corridor stakeholders** to create an environment for mutual cooperation, including sharing knowledge, developing working pilots, and researching and resolving key issues
- ❑ **Formulate a roadmap** for the cost-effective implementation of future innovations
- ❑ Develop and deploy an integrated, **advanced decision support system** for use by the stakeholders as they actively manage the corridor
- ❑ Develop a **set of performance measures** to quantify the successes of the Connected Corridors pilot project
- ❑ **Demonstrate project effectiveness** that can lead to additional phases and funding for more advanced tools and capabilities
- ❑ Develop a pilot system that **can be replicated** on other corridors and be a model for other corridors in the state and country

