

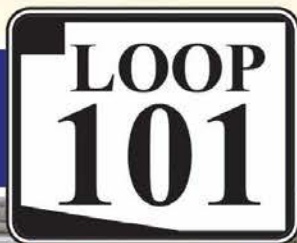


MOVING INTO THE FUTURE

Loop 101 Mobility Partnership

Brent A. Cain, PE
ADOT TSM&O Director

October 16, 2018



Mobility Partnership





LOOP 101 MOBILITY PARTNERSHIP

Partners

- ADOT
- MCDOT
- MAG
- City of Scottsdale
- City of Phoenix
- City of Glendale
- City of Peoria
- City of Mesa
- City of Tempe
- City of Chandler
- Valley Metro
- University of Arizona
- Arizona State University



PROJECT PLAN

Phase 1: Initiation

- Operations Plan
- Systems Engineering Management Plan

Phase 2: Design

- Concept of Operations
- System Requirements

Phase 3: Implementation

- Deployment
- Testing
- Operations



LOOP 101 MOBILITY CHALLENGES

Loop 101 Mobility Project

Major Venues and Destinations

- 1 University of Phoenix Stadium
- 2 Tournament Players Club of Scottsdale
- 3 Westworld in Scottsdale

Legend

- Cactus League Spring Training Stadium
- Hospital
- Community College
- Park and Ride
- Downtown Business District
- Traffic Management/Operations Center
- Light Rail
- Local Bus Route
- Express Bus Route
- Crashes in 2016
- Crash hotspots

This location experienced travel times that were...

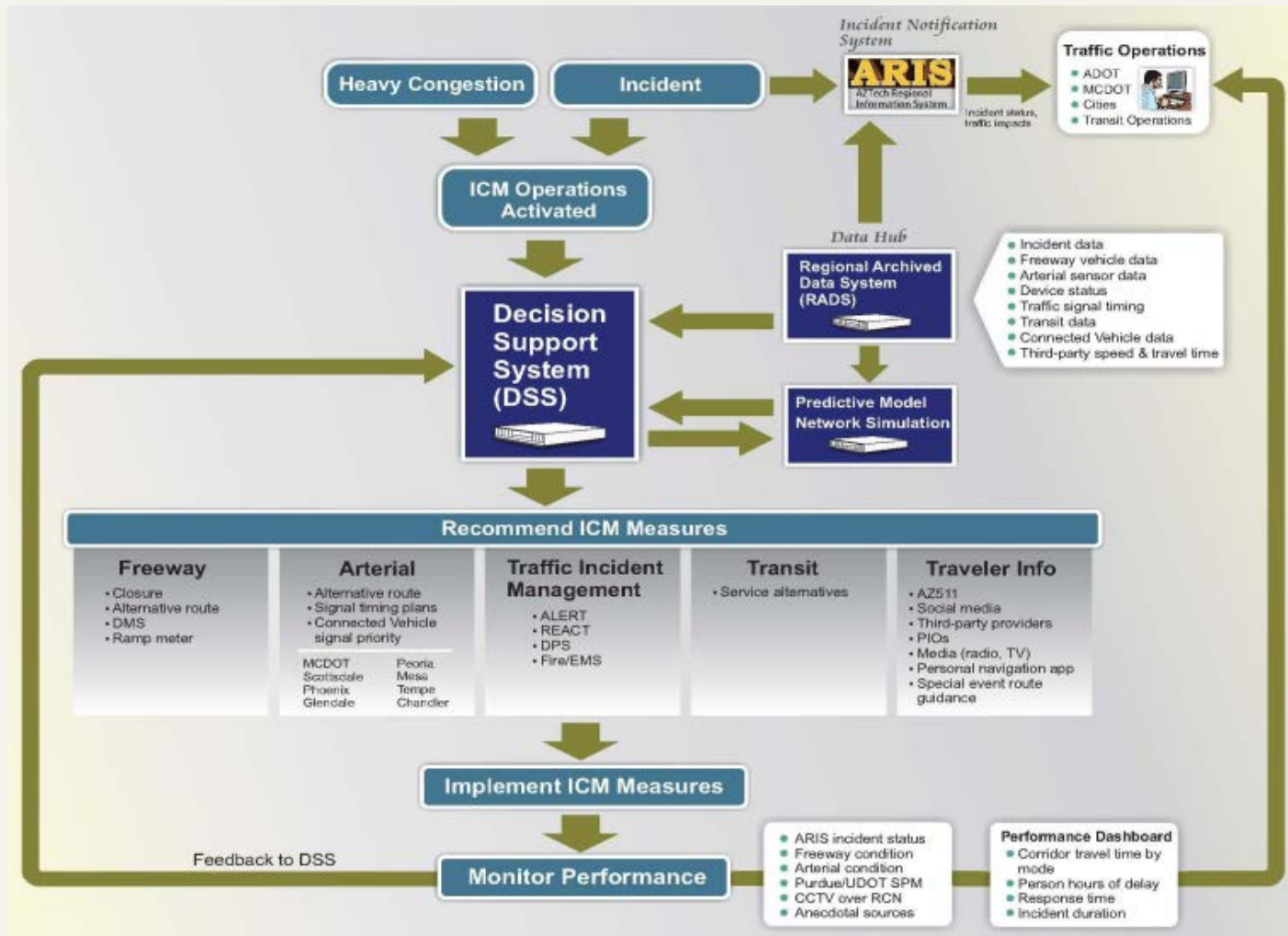
A 8.1 times higher; **B** 8.4 times higher; **C** 6.8 times higher; **D** 13.7 times higher;

...than average corridor travel time.





DECISION SUPPORT SYSTEM



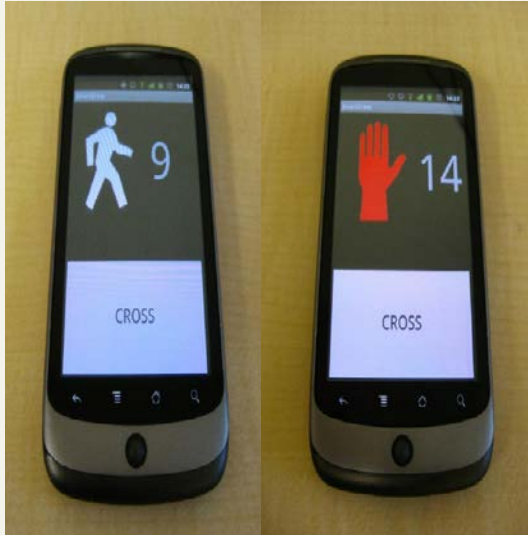
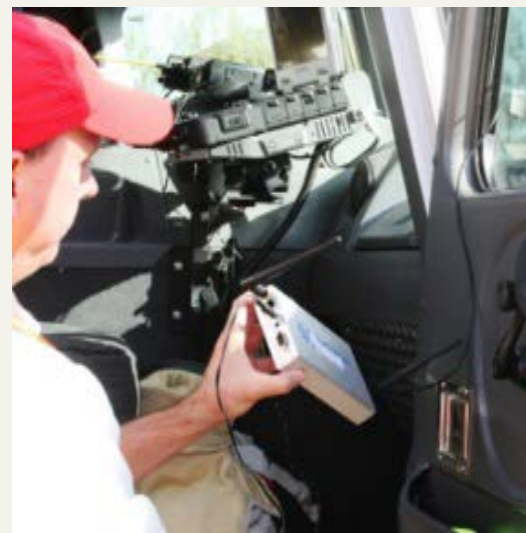


ADAPTIVE RAMP METERING





CONNECTED VEHICLES



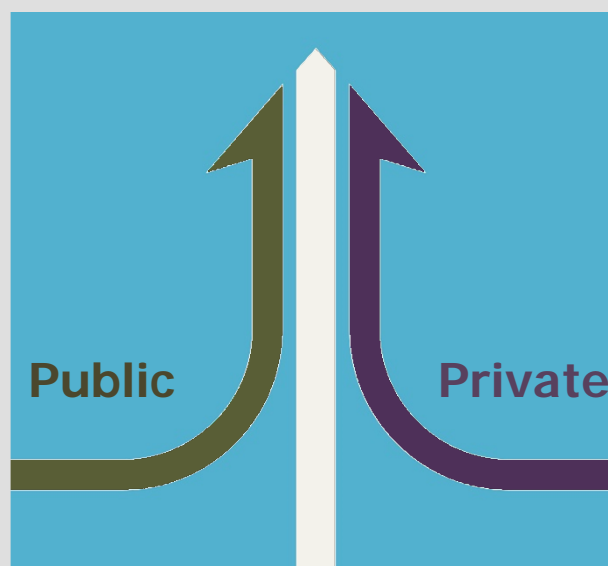


ADAPTIVE SIGNAL CONTROL





INTEGRATED TRAVELER MOBILITY APPLICATION





THANK YOU!

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