Loop 101 Mobility Project

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ICM OVERVIEW

ICM Initiatives

- Multi-agency incident management, freeway/arterial coordination plan
- Plan developed, ongoing updates and enhancements
- Extensive arterial ITS infrastructure
- REACT expansion to support arterial traffic management during detours

I-10/1-17 SPINE
- MAG Corridor Study exploring near-term operational improvements, longer-range infrastructure enhancements
- Evaluating ICM, ATM, and other strategies
- Plan initiated in early 2014

I-10 WEST
- Key priority for region; heavily traveled corridor, freight facilities
- MAG projects completed and underway for improving freeway/arterial coordination and signal operations for arterial detour routing during I-10 closures
- Joint operations agreement in development (ADOT, MCDOT, Phoenix)
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

1,325 crashes 147 crashes/mile

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.

375 crashes 125 crashes/mile

2,421 crashes 202 crashes/mile

Milepost 54
430 crashes
ADAPTIVE RAMP METERING
CONNECTED VEHICLES
ADAPTIVE SIGNAL CONTROL
OPPORTUNITY FOR COOPERATIVE APPLICATION
THANK YOU!