MCDOT REACT Program

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TMC Coordinator

2016 ITE Western District Meeting
Albuquerque, New Mexico
We Prepare for the Worst Situations
What is Traffic Incident Management (TIM)?

“TIM consists of a planned and coordinated multi-disciplinary process to detect, respond to, and clear traffic incidents so that traffic flow may be restored as safely and quickly as possible.”

Federal Highway Administration (FHWA)
Impacts

“The arterials comprise 73% of the region’s lane miles and carry nearly two-thirds of all travel in the Phoenix region.”

MAG Non-Recurring Congestion Study, Lee Engineering, Oct 2011
Impacts

- Non Recurring incidents responsible for 60% of delay

- Secondary Accidents – 20% of all accidents are secondary Accidents
TRAFFIC INCIDENT MANAGEMENT

REACT
Regional Emergency Action Coordinating Team

ALERT
Arizona Local Emergency Response Team
Led by ADOT on State Highways

AZTech is the collaborative regional management of the Intelligent Transportation System (ITS) developed for the Phoenix metropolitan area.
IN THE BEGINNING

- ALERT started at ADOT in the late 1980’s for incident management on the freeways.

- MCDOT in 1999 decided to do a pilot project for arterial incident management. The ALERT captain was hired by MCDOT to develop the team.

- Took what we learned from freeways and applied the knowledge to arterials.

- Then we adapted…..

- We leveraged our reputations that were developed with the police
Goals of Arterial Incident Management

- Safety of the Traveling Public
- Safety of Responders
- Security of Incident Site
- Timely Information to Public
- Optimum Mobility
- Minimize Clearance Time
STAFFING
The team consists of Maricopa County and partnering agency personnel who respond 24 hours, 7 days a week to mainly, but not limited to, emergency traffic situations.

ATSSA /IMSA Training
TIM Training
Field Training
Majority of REACT calls are vehicle accident related but other request for response have also included wild land and house fires, homicide scenes, Haz Mat, criminal investigations and weather related damage.
38% of all call outs are weekday responses.

Weekday responses are defined as incidents that occur Monday-Friday (excluding holidays) from 6AM to 5:30PM.
Traffic Incident Management (TIM) and National Incident Management System (NIMS) Principles Used on All Call Outs

Unified Command is used on all incidents
This Also Applies to Special Events
Response Structure

- Agreements Modeled after Phoenix Fire Mutual Aid- Mutual Response Model

- Developed Entente Agreement (Exchange of Services)
Growth

- Services to 6 jurisdictions (Scottsdale, Avondale, Tolleson, Glendale, Peoria, Countywide)
- Partnership with ADOT ALERT
- Calls – Average about 178 per year
- Now Serves as a National Model
Jurisdictional Distribution of REACT Call Outs FY15/16

The Average Incident Duration for FY 15/16 is 4.22 Hours

Measured from time of notification to traffic control is removed from road.
REACT Call Outs FY 13 Through FY 16-
(This does not include Special Events or Stand Downs)
Timely Information to the Public

On Average MCDOT TMC/REACT
- Tweets 41 messages a month
- Retweets 303 messages a month
Traffic Incident Management (TIM) Coalition

- Regional Planning & FHWA Workshop Led to TIM Coalition Establishment in January 2011
- Organized under AZTech Umbrella
- Through Mutual Consensus - Led by DPS
- TIM Coalition Members (State, County Local and Private)

Activities
- Improved cross-discipline communications
- Best practices review – Incident debriefings
- Joint training and planning
- Webinars on topics of interest to TIM Practitioners
The TIM training program focuses on a response effort that protects motorists and responders while minimizing the impact on traffic flow. TIM efforts include:

- detecting
- verifying and responding to incidents
- clearing the incident scene
- restoring traffic flow

FREE FHWA-Approved 4 Hour Training Course
Prevent First Responder Injuries & Deaths at Crashes
Each year 5 firefighters are struck and killed!
Each month 1 police officer is struck and killed!
Each week 1 tow operator is struck and killed!
Every 3 days 1 road worker is struck and killed!
TIM Training Contact

John Paul Cartier, Sergeant
Arizona State Troopers / Highway Patrol Division
Traffic Operations Center
Office (602) 712-7688
Mobile (623) 414-1970
jcarter@azdps.gov
Independence High School
PD: 2 teens shot at high school in Glendale
Authorities confirm two people have been shot at a high school in Glendale.
Trump Rally
Saturday, March 19, 2016
Fountain Hills, AZ

- MCSO requested REACT to close Shea Blvd in Fountain Hills
- Scottsdale PD requested REACT to close Shea in Scottsdale
Spring of 2012 incident closed L101 in Scottsdale from approximately 3AM to 10AM on a Friday morning

Notifications and Coordination was lacking
Freeway/Arterial Coordination Integrated Corridor Management (ICM) Pilot Program (L 101)

PARTNERS
- ADOT TOC/PIO
- ADOT ALERT
- DPS
- MCDOT TOC
- MCDOT REACT
- MAG
- City of Scottsdale TMC
- City of Scottsdale Police
- Salt River Pima-Maricopa Indian Community
Questions

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