



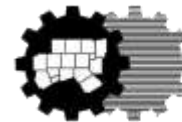
# DALLAS – FORT WORTH REGIONAL INCIDENT MANAGEMENT PROGRAM AND COMMITMENT LEVEL SURVEY

2014 TexITE SPRING MEETING

Jory Dille

May 30, 2014

North Central Texas Council of Governments



North Central Texas  
Council of Governments

CONGESTION  
MANAGEMENT  
PROCESS



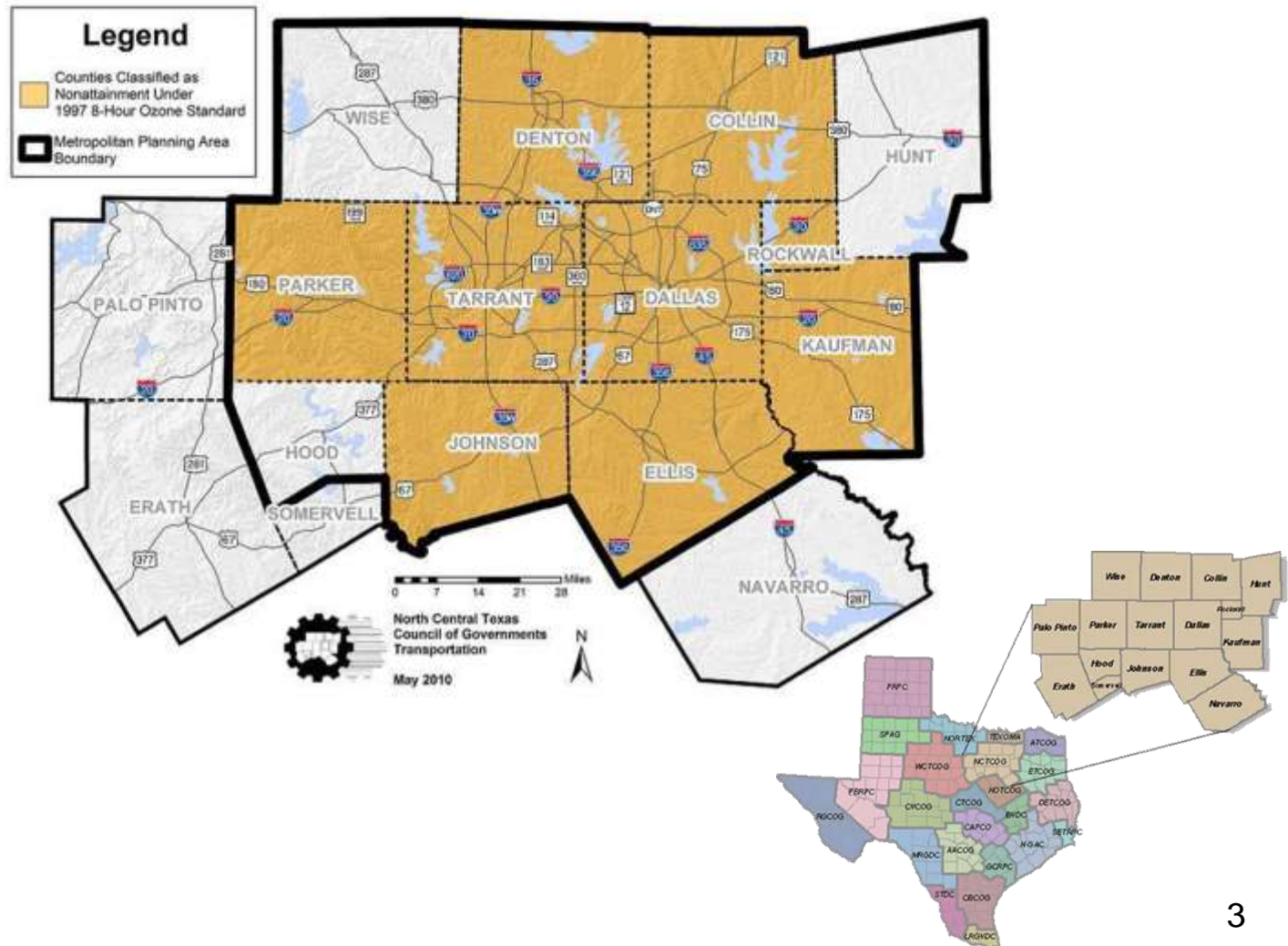
# Overview of NCTCOG Incident Management Program

1. What is NCTCOG?
2. NCTCOG Freeway Incident Management
  - I. RTC Resolution R08-10
  - II. Freeway Incident Management Training
  - III. NCTCOG Photogrammetry Training Workshop
  - IV. Additional Programs
3. NCTCOG Incident Management Performance Measures
4. NCTCOG Incident Management Commitment Level Survey
5. NCTCOG Equipment Purchase Call For Projects





# What is NCTCOG?





# The Problem

## Crash Incidents in the NCTCOG Region

- 100,039 Total Reportable Crashes in the NCTCOG 16-County Region in 2013
- 37,403 Injury Crashes in the NCTCOG 16-County Region in 2013 (Including 16,509 Serious Injury Crashes)
- 530 Fatal Crashes in the NCTCOG 16-County Region in 2013





# **NCTCOG Incident Management Program Goals**

**Enhance mobility of people and goods by reducing traffic congestion caused by incidents through:**

1. Incident Management Training for Emergency Responders
2. Quick Detection of Traffic Incidents
3. Quick and Appropriate Response to Traffic Incidents
4. Quick Clearance of Traffic Incidents
5. Dissemination of Incident-Related Information to the Traveling Public



# Regional Freeway Incident Management RTC Resolution R08-10

Resolution Supporting A Comprehensive, Coordinated, Interagency Approach to Freeway Incident Management

Originally Adopted in March 2003; Updated in October 2008

Major Components Include Support of:

- Quick Detection and Clearance of Traffic Incidents

- Participation in FIM Training

- Enhanced GIS-Based Incident Location System

- Local Adoption of a Towing Ordinance with Time Specifications

- Adoption of Operational Strategies that Promote Quick Clearance Practices Prior to Major Road Improvements



# Incident Management Training Program for Emergency Responders

## Freeway Incident Management Training Program

- First Responder and Manager Course – Six Classes Per Year
  - Police, Fire, Towers, Mobility Assistance Patrols, EMS, CDAs, etc.
- Executive Level Course – Two Classes Per Year
  - Policy and Decision Makers

## FIM Performance Measures

- First Responders Training – 2,361 Attendees  
Number of Total Agencies - 130
- Executive Level Training – 442 Attendees  
Number of Agencies - 94

<http://www.nctcog.org/trans/safety/FIM.asp>

# Quick Detection of Traffic Incidents

## Current Program Overview – Intelligent Transportation System (ITS)

- Controlled Access Facilities Centerline Miles of Coverage  
596 Centerline Miles (Implemented and/or Funded)
- Data and Video Sharing  
Built from TxDOT Center-to-Center Software

## Performance Measures

- Controlled Access ITS Coverage  
~ 74% (Implemented and/or Funded)
- Data and Video Sharing
  - Current Implementation Includes TxDOT-Dallas, TxDOT-Fort Worth and NCTCOG







# Quick and Appropriate Response to Traffic Incidents

## Current Program Overview

NCTCOG Mobility Assistance Patrol Program (MAPP)

Operated in Dallas and Tarrant Counties, as well as portions of Collin and Denton Counties

- Dallas County Sheriff's Department
- Tarrant County Sheriff's Department
- North Texas Tollway Authority (NTTA)
- Private Sector Operations

## Performance Measures

- Dallas County Operations:  
Seven Designated Routes, 20 Vehicles, 62,356 Motorists Assisted (2013)
- Tarrant County Operations:  
Four Designated Routes, Nine Vehicles, 20,164 Motorists Assisted (2013)
- NTTA Operations:  
Seven Designated Routes, Seven Vehicles, 37,998 Motorists Assisted (2013)

# Mobility Assistance Patrol Program Routes





# Quick Clearance of Traffic Incidents

## Current Program Overview

- Photogrammetry Training – image-based 3D system used for crash reconstruction. Two Workshops Per Year
  - Basic – Five Day Training (Includes Equipment)
  - Advanced – Two Day Follow-up Training
- Use of Designated or Staged Wreckers
- Use of Push Bumpers
- Removal of Vehicle Law – Chapter 550.022 Transportation Code

## Performance Measures

146 Individuals from 42 Agencies Participated in Photogrammetry Training Between January 2007 and March 2014

# Incident-Related Information to the Traveling Public

## Current Program Overview

- Media Connections (TV and Radio)
- Dynamic Message Signs (DMS)
- Websites ([dfwtraffic.dot.state.tx.us](http://dfwtraffic.dot.state.tx.us))
- Transportation Management Centers (TMC)

## Performance Measures

- DMS Coverage ~ 75%
  - TxDOT Dallas – 101 DMS
  - TxDOT Ft Worth - 70 DMS
  - NTTA - 11 DMS
- Multiple Websites (TxDOT, NTTA, DART, The T)





# NCTCOG Incident Management Performance Measures



1. **Incident Clearance Time** – The time between the first recordable awareness of an incident and the time at which the last responder has left the scene.
2. **Roadway Clearance Time** – The time between the first recordable awareness of an incident by the responding agency and the time at which all lanes are available for traffic flow.
3. **Secondary Crash** – Incidents beginning with the time of detection of the primary incident where a collision occurs either a) within the incident scene or b) within the queue, including the opposite direction, resulting from the original incident.
4. **Recovery Time** – The time between the first recordable awareness of an incident and the restoration of impacted roadway/roadways to “normal” operations.

# NCTCOG Regional Incident Management Survey



- Survey Idea Suggested During November 2013 Executive Level Course by RTC Member
- Incident Management Commitment Level Survey Released in January 2014
  - Results Reported to STTC and RTC
  - Survey Remains Open and Can Be Accessed at <http://surveys2.nctcog.org/TakeSurvey.aspx?SurveyID=I41J467>
- Survey Components:
  - Adoption of an Incident Management Resolution
  - Participation in Incident Management Training (NCTCOG or In-House)
  - Tracking of Regional Performance Measures: Incident and Roadway Clearance, Secondary Crash, and Recovery Time (NCTCOG or Agency)
  - Collection and Monitoring of Incident Response and Clearance Times
  - Adoption of a Quick Clearance Policy
  - Incident Management Goals/Targets in Place
  - Minimum Response Time for Tow Trucks
  - Multi-Disciplinary Major Incident Review Process
- Survey Completion Will Be a Scoring Factor in the Upcoming FIM Equipment Purchase Call for Projects



# Incident Management Commitment Level Survey

1. Adopted an Incident Management Resolution – **31%**
2. Participate in NCTCOG FIM Training – **82%**
3. Participated in NCTCOG FIM Training in Last Three Years – **67%**
4. Provide “In-House” Training – **49%**
5. Willing to Provide Training Performance Measures to NCTCOG – **36%**
6. Aware of NCTCOG Photogrammetry Training – **59%**
7. Track NCTCOG Performance Measures – **18%**



# Incident Management Commitment Level Survey (Cont.)



9. Use “Agency” Incident Management Definitions – **38%**

10. Collect and Monitor Response Times – **64%**

11. Collect and Monitor Clearance Times – **49%**

12. Have Adopted a Quick Clearance Policy – **18%**

13. Have Incident Management Goals – **36%**

14. Have Minimum Tow Truck Response Times – **54%**

15. Have Established a Multi-Disciplinary Incident Review Process – **31%**



# NCTCOG Incident Management Equipment Purchase Call for Projects



- **Purpose:** To Assist Partner Agencies in Purchasing Equipment and Technology that Aid in Quick Incident Clearance and Mitigation
- Emphasizes Importance of Implementing Incident Management Strategies and Training
- \$2 Million Available for Call for Projects



# Eligible Recipients and Activities

## Eligible Recipients

- Public Sector Partner Agencies within the NCTCOG 12-County Nonattainment Area Actively Involved in Incident Management
  - Police, Fire/EMS, Courtesy Patrol, Etc.

## Eligible Activities

- Purchase of Equipment and Technology Used in Mitigating Crashes
  - Examples include: traffic barriers, cones, flares, protective clothing, signs, cameras, lighting, crash reconstruction technology, etc.

## Ineligible Activities

- Personnel and Staffing Charges



# Call for Projects Scoring Criteria

Scoring Component	Available Points
FIM Training Attendance - NCTCOG or In-house	15
Completion of Incident Management Commitment Level Survey	10
Crash Data in Jurisdiction	10
Adoption of Incident Management Resolution	10
Incident Management Goals/Targets in Place	5
Explanation of How Equipment will be Used to Mitigate Crashes	50
<b>Total Score</b>	<b>100</b>



# Contact Information

**Jory Dille**

**Senior Transportation Planner**

**(817) 704-5644**

**[jdille@nctcog.org](mailto:jdille@nctcog.org)**

**Camille Fountain**

**Transportation Planner III**

**(817) 704-2521**

**[cfountain@nctcog.org](mailto:cfountain@nctcog.org)**

**Sonya Jackson Landrum**

**Principal Transportation Planner**

**(817) 695-9273**

**[slandrum@nctcog.org](mailto:slandrum@nctcog.org)**