

Welcome to Session 5B

Managing Special Events & Weather Events

TexITE 2016 Fall Meeting
September 2016



Downtown Traffic Management System

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Transportation & Capital Improvements



DTMS Overview

- DTMS Goals
 - Reduction of congestion in downtown activity zone
 - Safe and expeditious vehicle and pedestrian movement
 - Promote remote parking facilities
 - Encourage transit and pedestrian movement
- DTMS Components
 - Event Scenarios and Categories
 - Yellow Day
 - Red Day
 - Enhanced Technical Tools
 - Intelligent Transportation Systems (ITS)



Preliminary Study

- Initial study completed in FY 2016
- Provided framework for areas in which additional details are needed
 - Parking Plan
 - Pedestrian Plans
 - Mass Transit and Shuttle Transportation
 - Bike Transportation



Activity Zone

- **Alamodome**
 - Seating capacity 60,000
 - Over 300 events per year
 - 2018 NCAA Final Four
 - 2,800 parking spaces
 - VIA Thompson Center

- **Henry B. Gonzales Convention Center (HBGCC)**
 - Over 300 events per year
 - 514,000 sq ft exhibit space
 - 72 meeting rooms



Why a DTMS?

- Major downtown event facilities and cultural venues
 - Alamodome
 - HBGCC
 - Tobin Center
 - Aztec Theatre
 - Lila Cockrell Theatre
- Coordination of all traffic modes
- Adequate traffic control staffing
- Enhance event ingress/egress
- Enhance technical tools
- Enhance interagency coordination



Ingress Plans

- Plans developed for different event levels

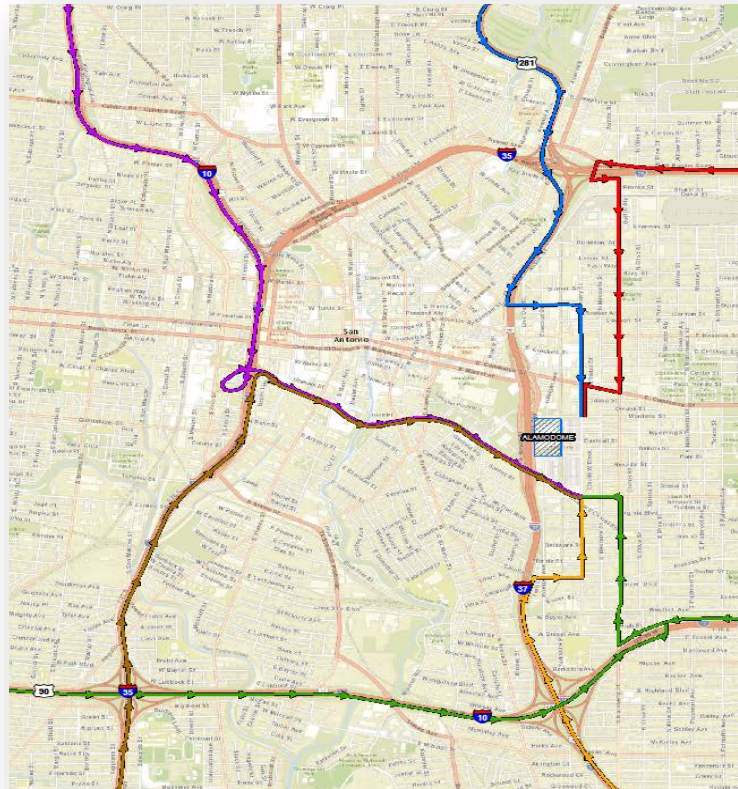
Event Type	Alamodome Event	Convention Center Event
YELLOW	NONE	MAJOR
LIGHT RED	MINOR (<20,000)	MAJOR
RED	MAJOR (>40,000)	NONE
DARK RED	MID to MAJOR (>20,000)	MAJOR









Sample Ingress Map – Red Event

San Antonio Red Event Ingress Plan

Major Alamodome event (40K-60k attendees) with conflicting Convention Center event



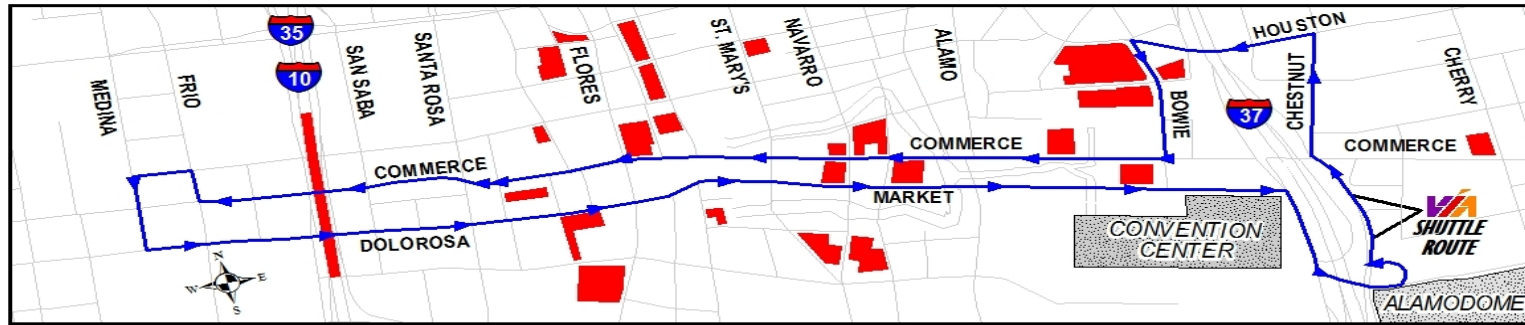
Recommended Routes

-  Northwest Corridor (IH10 Downtown/Cesar Chavez Exit)
-  North Central Corridor (IH37 Nolan Exit)
-  Northeast Corridor (IH35 Austin/Hackberry Exit)
-  East & West Corridor (IH10/Hwy 90 Hackberry Exit)
-  Southeast Corridor (IH37 Carolina Exit)
-  South Corridor (IH35 Cesar Chavez Exit)

VIA Shuttle Route

- Promote parking facilities

PUBLIC PARKING ALONG VIA SPECIAL EVENT SHUTTLE ROUTE



ITS Tools

- Traffic Management Center Tools
 - Signal Timing Plans
 - Intelligent Transportation System (ITS)
 - Traffic Monitoring Cameras
 - Dynamic Message Signs



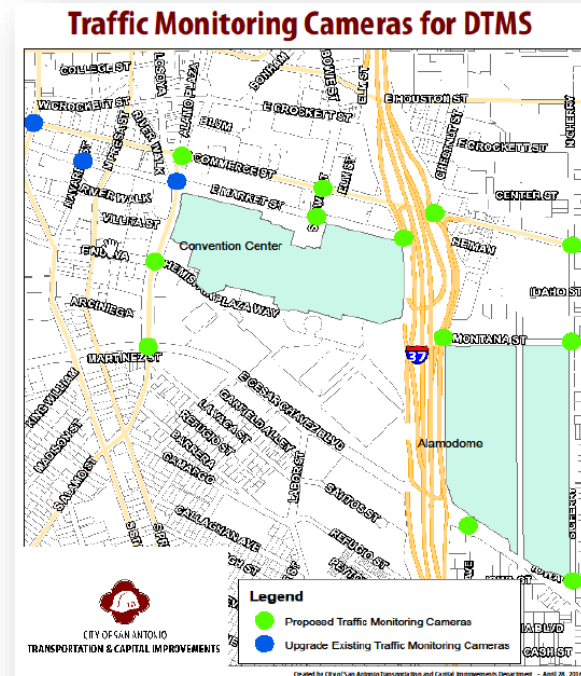
Traffic Monitoring Cameras

New locations:

- Alamo St – Commerce St
- Bowie St – Commerce St
- Bowie St – Market St
- Market St – Tower of the Americas Way
- Commerce St – IH37
- Cherry St – Commerce St
- Cherry St – Montana St
- Cesar Chavez Blvd – Cherry St
- Cesar Chavez Blvd – Hoefgen Ave
- Alamo St – Cesar Chavez Blvd
- Alamo St – Nueva St
- IH 37 NB – Montana St

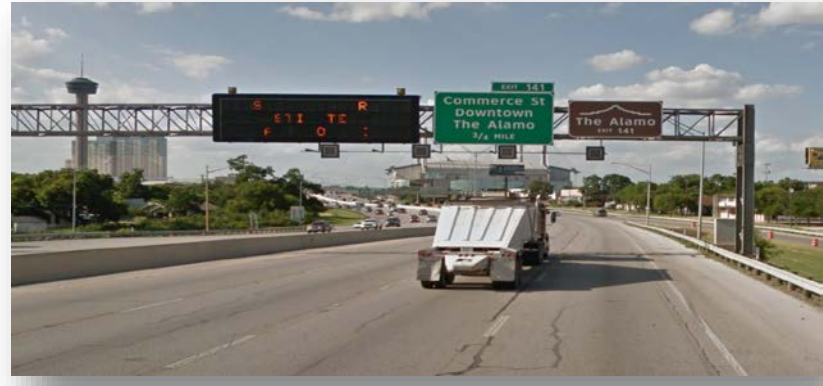
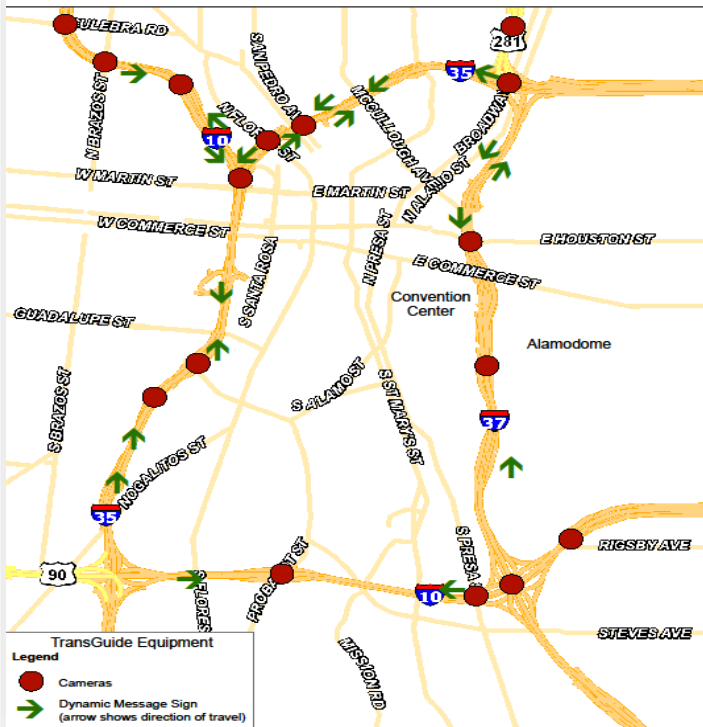
Upgrade locations:

- Commerce St – St Mary's St
- Market St – Navarro St
- Alamo St – Market St



Transguide Equipment

TransGuide Equipment in Downtown Area



Next Steps

- Conduct detailed studies to refine plans for transit, parking, and pedestrians
- Identify optimal placement of initial arterial Dynamic Message Signs (DMS) based on ingress routes, parking availability, and transit
- Install Traffic Monitoring Cameras at identified intersections
- Install Police Manual Control switches at selected signalized intersections
- Install arterial DMS



Later Activities

- Online and mobile applications
 - Developing and promoting a website that can help drivers quickly see their travel options to an event can make them aware of other options



Timeline

- Additional studies and camera installation
 - Early FY 2017
- Police control switches
 - Mid FY 2017
- Arterial DMS installation
 - Late FY 2017, early FY 2018



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