



CITY COUNCIL AGENDA ITEM

TO: Mayor & City Council

DATE: October 11, 2011

FROM: John McDonough, City Manager

AGENDA ITEM: Update on Traffic Management Center

MEETING DATE: For Submission onto the October 18, 2011, City Council Work Session Meeting Agenda

BACKGROUND INFORMATION: (Attach additional pages if necessary)

See attached:

Presentation

APPROVAL BY CITY MANAGER: JFM APPROVED

_____ NOT APPROVED

PLACED ON AGENDA FOR: 10/18/2011

CITY ATTORNEY APPROVAL REQUIRED: () YES () NO

CITY ATTORNEY APPROVAL: _____

REMARKS:

Operations of the Sandy Springs Traffic Management Center

October 4, 2011



Intro

- TMC stands for **Traffic Management Center**
 - It's our goal
 - It's our mission
- COSS TMC designed with high tech gadgets and earned a well deserved “Show Horse” label
- URS philosophy is to operate TMC as a “Work Horse”
- The City made a significant investment & expects a substantial return



Accomplishments to date in FY 2012

- Consolidated 3 signal databases
- Changed 3 stand alone signal systems to 1 central system
- Search & Repair mission found 18 signal controllers & repairs yielded 7 functional controllers
- Inspected fiber infrastructure at 7 sites & devised repair plans
- Connected 7 cameras to system
- Connected 31 signals to system
- Programmed & deployed 50 data keys to signals in the field
- Many of these accomplishments are the result of URS changing policies regarding management of the TMC



Accomplishments to date in FY 2012

Field Device	Traffic Signals	CCTV
Total Devices	114	36
Devices with Communications Connectivity	42 (37%)	30 (83%)
Devices On-Line July 1	8 (19%)	16 (53%)
Devices Currently On-Line	39 (93%)	21 (70%)



Next Steps...

- Better utilization of resources
 - More eyes on the cameras
 - Task existing Customer Service Representatives to monitor “slideshow” of multiple video cameras from their desks
 - Looking for :
 - Traffic backup
 - Lane closures/blockages
 - Signal malfunctions
 - Incidents
 - Special events
 - More hands in the TMC
 - CSRs to direct cameras & document performance of traffic & signal changes
 - Measure queue length
 - Time delays
 - Note school bus & other traffic interruptions
 - Note anomalies
 - Skipped signal phases
 - Short green intervals
 - Long red intervals
 - Free engineers for higher level tasks
 - CSRs to prepare traffic videos upon request



Next Steps...

- Better utilization of resources
 - Increase utilization of seven existing video monitors in Public Works
 - Customize the video feed to correspond to staff's specific areas of interest
 - Contractor work sites for Field Services
 - Signals, traffic flow and traffic control in work zones for Traffic
 - Flood prone areas for Stormwater
 - Project work sites for Capital Improvement Projects
- More Construction Alerts to TMC Website
 - Field Services
 - Resurfacing program
 - Maintenance activities
 - Utility & encroachment permits
 - Capital Improvement Program
 - Sidewalk Projects
 - CIP Projects
 - Updates can be made from any City computer



Next Steps...

- Connect the PCID network to the TMC
 - Research & planning are complete
 - Equipment is on hand
 - Contractor procurement is underway
 - Schedule completion no later than October 30th
 - Adds 4 cameras & 25 signals to the system
- Fiber repairs to Sandy Springs Circle
 - Adds 2 cameras & 4 signals to the system
- Install fiber on Hammond around new interchange
 - Adds 4 signals to the system



Next Steps...

- Enhance relationships
 - Sandy Springs Police Department
 - Iron Sky Initiative
 - COSS I.T. – Merge TMC network into City network
 - Call Center
 - CHATCOMM



Next Steps...

- Roswell Road
 - Texas Diamond operation at I-285
 - Keep the bridge clear of traffic

