Presentation Outline

Historic Milestones

Guiding Principles of Multiple Use Agreement

Regional Network Maintenance

Long-Term Operations and Maintenance Vision and Cost
Historical Milestones

1992
RTC Started Funding ITS Projects

2000
Completed Communication Analysis

2006
Completed High-Level Design Engaged Emergency Operation Centers (EOC)

2008
TxDOT and Cities Began Connecting via Fiber

2010
TMC and EOC Connection Critical for Monitoring Super Bowl Activity
Guiding Principles of Multiple Use Agreement

Utilize Existing Fiber and Connections

- Two Strands of Fiber Dedicated to Regional Network

Region Provides One Connection per Agency

- Existing or Funded Connections ~ 13 Agencies

Communication from City to City, City to Transit Agency, City to TxDOT, Tollway to TxDOT, etc.

Initial Five-Year Pilot

Provides the Ability to Exchange Transportation / Public Safety Data, Video, and Video Teleconferencing Capabilities
Regional Network Maintenance

Regional Responsibility

Agency / TxDOT Responsibility

Local Responsibility

Transit

Tollway
Responsible Entities

Regional Switch

Local Switch

Owner of the Fiber

Agency / TxDOT Fiber

Local Entity

City / Transit Fiber

City TMC / EOC
Long-Term Operation / Maintenance Vision

NCTCOG Sign Regional Multiple Use Agreement with TxDOT
  TxDOT and Local Entities will Design, Review and Approve Connection Diagrams
  Estimate Equipment and Overall Network Cost

NCTCOG Develop Partnership with Local Entities
  Establish Revenue Source Through User Contributions
  Provide Funding to Operate and Maintain Network
  Consider Future Equipment and Design Upgrade as Network Ages
Long-Term Operation / Maintenance Cost

Connect ~ 16 Critical Agencies

  Highest Priority – Super Bowl Agencies (7)
  Second Priority – Integrated Corridor Management Agencies and Agencies Ready to Connect (9)

Implement and Maintain Network ~ $350,000

RTC Programmed ~ $800,000 (20% Match Required)

  Collect Local Match from Entities

Identify Other Partner Funding – Homeland Security
Proposed Agreement and Connection Schedule

STTC – Information
November 19, 2010

RTC – Information
January 13, 2011

Executive Board - Action
December 16, 2010

Connect Super Bowl Entities
February 2011

Determine Next Level of Priority
March 2011

Integrated Corridor Management Entities
Other Agencies Ready to Connect
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