REGIONAL TRANSIT SIGNAL PRIORITY IMPLEMENTATION PROGRAM

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Program Management Plan

• Program Goal & Objectives
• Program Benefits
• Program Organization
• Program Policies & Guidelines
• Program Execution
• Program Monitoring & Reporting
• Program Timeline
Program Goal

Develop and implement a regionally interoperable TSP system

- Interoperability between CTA and Pace buses
- Interoperability between transit and highway
- Interoperability between transit and emergency vehicles
Existing Operational Environment

- **Different Transit CAD/AVL System**
  - CTA’s Clever Devices System
  - Pace’s Trapeze TransitMaster System

- **Various Traffic Signal Controllers**
  - CDOT’s Peek ATC-1000 Controllers
  - DOT’s Mix of Econolite / Eagle Controllers

- **Multiple TSP Communication Options**
  - Optical emitters
  - Radio: DSRC, WiFi
Program Objectives

1. Establish Regional TSP Standards and Implementation Guidelines
2. Design and install TSP on approximately 30 corridors over 5 years
Program Benefits

• **TSP Benefits**
  – Improve transit performance
  – Reduced operating cost
  – Optimize and maintain traffic signal coordination

• **Interoperable TSP Benefits**
  – Non-proprietary standards
  – Compatible technology for communications throughout the region

• **Treatment for BRT and ART Corridors**
• Technical Standards
  – Operational guidelines
  – Standardized message sets
  – Standardized communications technology
  – Regional performance measures

• Funding
  – Federal/CMAQ Rules & Regulations
  – Technical Services Agreements
  – Project execution
Program Execution

1. Annual RTA requests for candidate corridors from Pace and CTA
2. CTA and Pace nominate candidate corridors to RTA
3. CMAP provides input on related TIP projects along corridors
4. TSP Working Group establishes Annual Program of Projects
5. RTA establishes an Annual Project Portfolio
Program Monitoring & Reporting

- Project Controls
  - TSP activities
  - Scope, budget and schedule
  - Compliance with Regional TSP Standards

- Project Tracking
  - Project progress tracking
  - Program progress tracking
  - Performance measures
Program Timeline (2013)

- Program Management Plan (PMP)
- Systems Engineering Management Plan (SEMP)
- Preliminary Engineering for 2013 Corridors
- Regional TSP Standards and Implementation Guidelines
Program Timeline (2014 – 2017)

2013

2014

2015

2016

2017

Systems Engineering

TSP Preliminary Engineering

TSP Design Engineering

TSP Implementation / Oversight
2013 Program

**CTA Corridors**
- Ashland Ave.
- Western Ave.

**Pace Corridors**
- Grand Ave.
- Roosevelt Rd.
- 95th Street
- 147th Street
- 159th Street
- Cicero Ave.
2014 - 2017

~30 TSP Corridors

- **CTA Corridors**
- **Pace Corridors**
- **CTA & Pace**
Thank You!

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