Transit and the Evolving Intelligent Transportation System: ITS Joint Program Office Perspective

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Overview

- New ITS Research & Development Programming Framework
- Tier I Initiatives
- Tier II Activities
- Crosscutting Programs
In FY 2004 the ITS Program refocused to address key transportation problem areas

- Mobility
- Safety
- Productivity
New ITS Research & Development Programming Framework (continued)

- New Program Structure
  - Tier I Initiatives
  - Tier II Activities
  - Crosscutting Programs
Tier I Initiatives Description

- Major Initiatives that are approved by the ITS Management Council (IMC) (scope and budget)
- Are problem, data, and product driven
- Directly support the goals of safety, mobility, or productivity
- Provide a “bridge” between existing and envisioned conditions
- Are typically higher risk, higher payoff efforts
Tier I Initiatives Description (continued)

- Are multi-modal or multi-agency in nature
- Involve a high degree of integration and interagency integration
- Are ready for a major investment
- Consider full costs of the initiative (e.g., architecture, standards, evaluation, training, support)
- Are roughly 2/3 of program budget after Cross-cutting projects are funded (FY04)
New Tier I Initiatives

- Vehicle Infrastructure Integration (VII)
  - Mobility
    - Mobility Services for All Americans
    - Integrated Corridor Management Systems
    - National Surface Transportation Weather Observing System
New Tier I Initiatives (continued)

- Safety
  - Integrated Vehicle Based Safety Systems
  - Emergency Transportation Operations
  - Next Generation 911
  - Cooperative Intersection Collision Warning
- Productivity
  - Universal Electronic Freight Manifest
Continuing Tier 1 Initiatives

- Intelligent Vehicle Initiative
- 511
- Architecture Consistency
- Wireless E-9-1-1
- CVISN Deployment
Tier II Activities Description

- Support the completion of existing initiatives, exploration of new areas, or one time stand alone investments
- Consistent with the direction set by the IMC
- Initiated at the direction of the ITS Program Manager, in consultation with the ITS Strategic Planning Group
- Roughly 1/3 of program budget after Cross-cutting projects are funded (FY04)
- Budget is established by the ITS Program Manager with input from the Strategic Planning Group
FTA Involved Tier II Activities

- **Exploratory (New)**
  - Vehicle Assist & Automation Systems for Transit Operations
  - Vehicle Infrastructure Integration (VII) for Mobility

- **Completion**
  - Transit Operations Decision Support Systems
  - BRT and ITS Integration Analysis
  - Universal Transit Farecard Program Support
Crosscutting Programs Description

- Provide the foundation for both Tier I initiatives and Tier II activities as well as widespread ITS deployment
- Are largely ongoing, with annual adjustment made to correspond with the overall changes in the direction of the program
- Roughly 10-15% of total program budget (FY04)
- ITS Program Manager identifies funding needed
Crosscutting Program Areas

- Architecture
- Standards
- Assessments
- Professional Capacity Building
- Outreach
- Deployment Support
- Program Support (J PO)
- Program Support (Modes)
Thank You

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