



AMERICAN PUBLIC TRANSPORTATION ASSOCIATION
2004 Annual Meeting

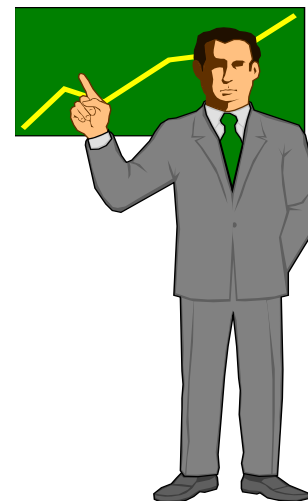
**Transit and the Evolving Intelligent Transportation
System: ITS Joint Program Office Perspective**

Yehuda Gross
ITS Transit Program Manager
ITS Joint Program Office (JPO)
U.S. Department of Transportation (U.S. DOT)

October 13, 2004

Overview

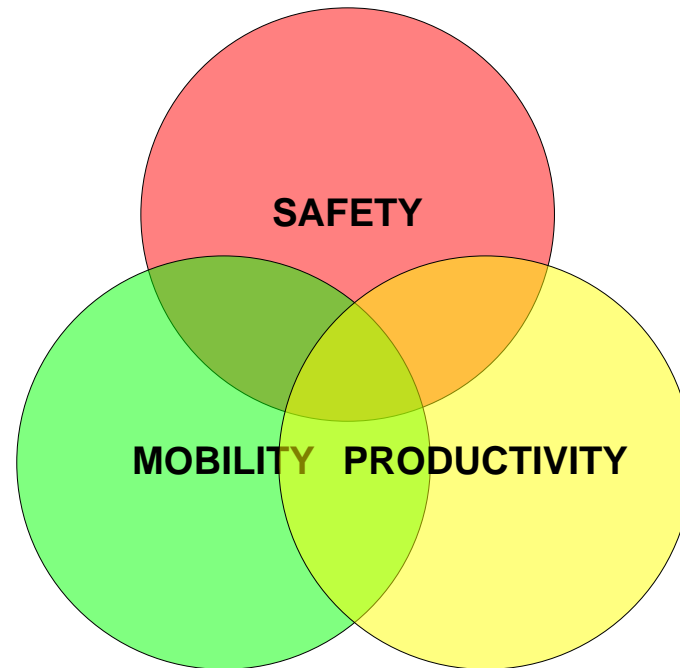
- ▶ **New ITS Research & Development Programming Framework**
- ▶ **Tier I Initiatives**
- ▶ **Tier II Activities**
- ▶ **Crosscutting Programs**



New ITS Research & Development Programming Framework



- ▶ In FY 2004 the ITS Program refocused to address key transportation problem areas
 - Mobility
 - Safety
 - Productivity

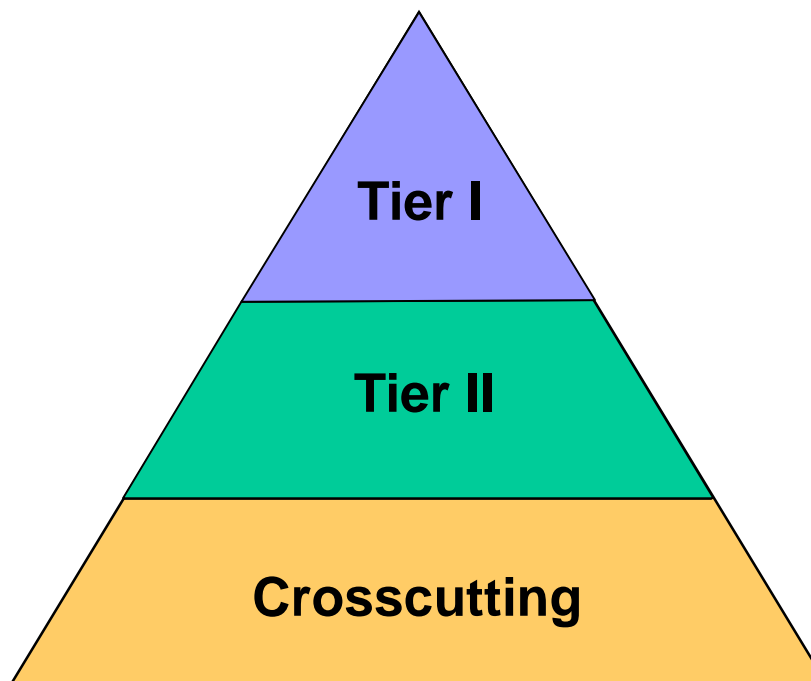


New ITS Research & Development Programming Framework (continued)



► 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



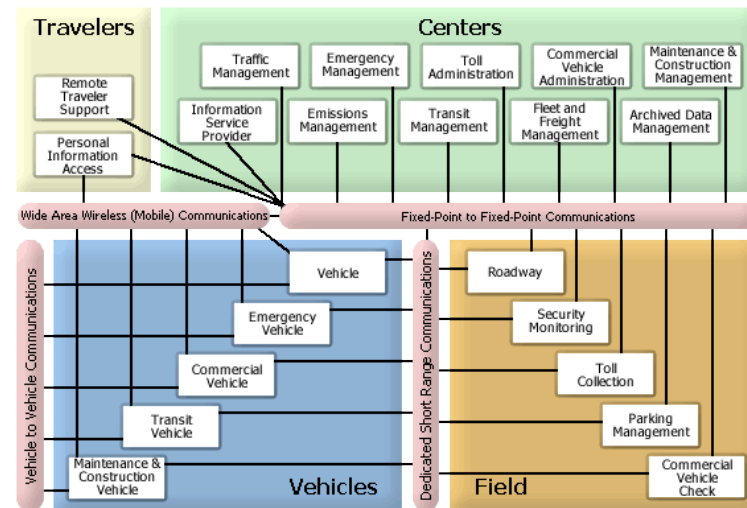
New Tier I Initiatives (continued)

- ▶ 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 Manger, 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 (JPO)**
- ▶ **Program Support (Modes)**

Thank You

Yehuda Gross

ITS Transit Program Manager

ITS Joint Program Office

Room 3416, HOIT-1

400 Seventh Street, S.W.

Washington, D.C. 20590

Phone: (202) 366-1988

E-mail: Yehuda.Gross@fhwa.dot.gov