



Access For All
Adaptable Models Concurrent Sessions

Harnessing Technology to Augment Community Mobility

Gwo-Wei Torng
Mitretek Systems

Community Transportation EXPO
Seattle, Washington
15 June 2004

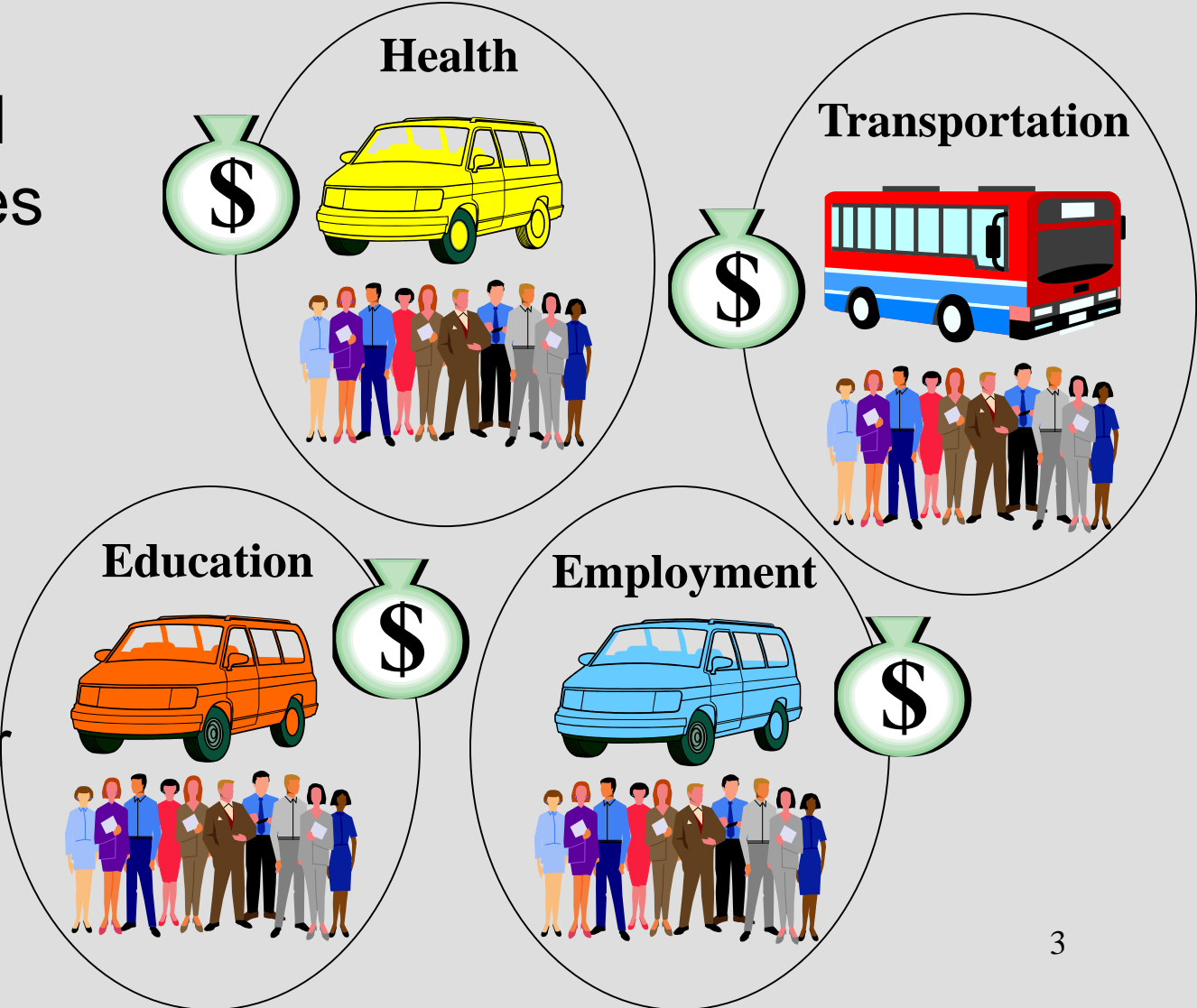
Goals of This Session

- Provide Awareness of New Federal Programs and Initiatives
- Explore/share how technologies can assist in enhancing access and mobility for all
- Spark participation and input in Federal activities

Where We Are

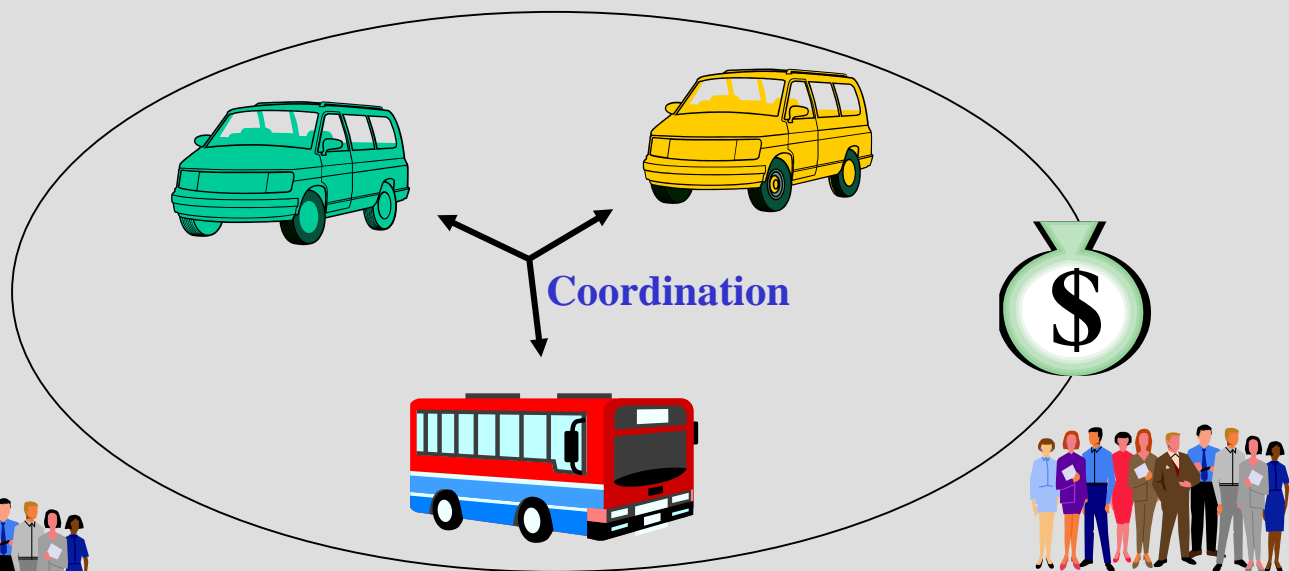
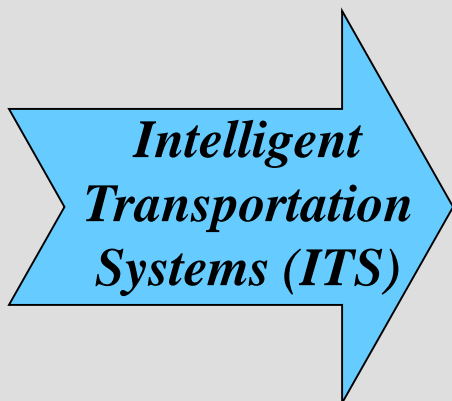


- 62 Federal programs fund human services transportation
- \$ billions are spent on human services transportation
- FTA budget for public transportation is \$7 billion



Where We Want to Be Coordination & Integration Results

- Improved customer service
- Reduced waste
- Improved efficiencies resulting in lower unit costs
- Increased sources of revenue for transportation providers



Technology Opportunities




- Existing and Proven Technologies to Improve...
 - Access to Conventional Transportation
 - Access to Paratransit and Other Mobility Options
 - Coordination and Integration of Community Transportation Services



Technology Opportunities Examples

- Traveler Information Systems
 - Pre-trip planners
 - Wayside transit information
 - In-vehicle information

**Service status**

- Metrobus
- Metrorail
- Elevators
- Escalators

It's easy as

1 Where are you going?

2 Ready to leave this minute?

3 Here's your best route...





Technology Opportunities Example

- Electronic fare payment and billing systems





Technology Opportunities Examples

- Accessible Pedestrian Crosswalks





Technology Opportunities Example

- Paratransit Operations and Brokerage Systems

Support Staff Schedule Info

| # | Support Staff Name | Time Blocks |
|----|---------------------|-----------------------------|
| 1 | Chandler, Alan | W12001101-001 W12001101-002 |
| 2 | Harrington, James B | W12001101-001 W12001101-003 |
| 3 | Smith, Joe A | W12001101-002 |
| 4 | Walter, Dave E | |
| 5 | Rothberg, Gary J | |
| 6 | Newton, Bill A | W12001101-002 |
| 7 | Lowry, Sandra M | W12001101-002 |
| 8 | Parker, Cynthia B | W12001101-004 |
| 9 | Houston, Rick V | |
| 10 | Bluebird, Elaine A | |

Hour View
 Day View
 Week View
 Month View



Making it Happen

Mobility Services For all Americans



- From the President
 - Presidential Executive Order on Human Service Transportation Coordination (2004)
- Builds Upon & Coordinates With Other U.S. DOT activities:
 - Joint Regional Coordination Workshops
 - Rural ITS Transit Operational Tests
 - United We Ride
 - ITS International Workshop on Technology & Mobility
 - Linking Technology with Accessibility and Mobility of Seniors and Persons With Disabilities
- Other Agencies and Organizations



Mobility Services for All Americans Phase 1 Coalition Building

- **USDOT Intermodal Team**
 - FTA William Wiggins, Bryna Helfer, Michael Winters
 - FMCSA Phil Hanley
 - JPO Yehuda Gross
- **Inter-agency Coalition**
 - Departments of Transportation, Health and Human Services, Labor, Education, Agriculture, Housing and Urban Development, Interior, Veterans Affairs

Mobility Services for All Americans Phase 1 Coalition Building (cont.)



- Stakeholder Advisory/Working Groups
 - The American Public Transportation Association (APTA)
 - The Community Transportation Association of America (CTAA)
 - The Taxi Cab, Limousine, and Paratransit Association (TLPA)
 - Easter Seals Project ACTION (ESPA)
 - American Public Human Services Association (APHSA)
 - American Association of Retired Persons (AARP)
 - Paralyzed Veterans of America (PVA)

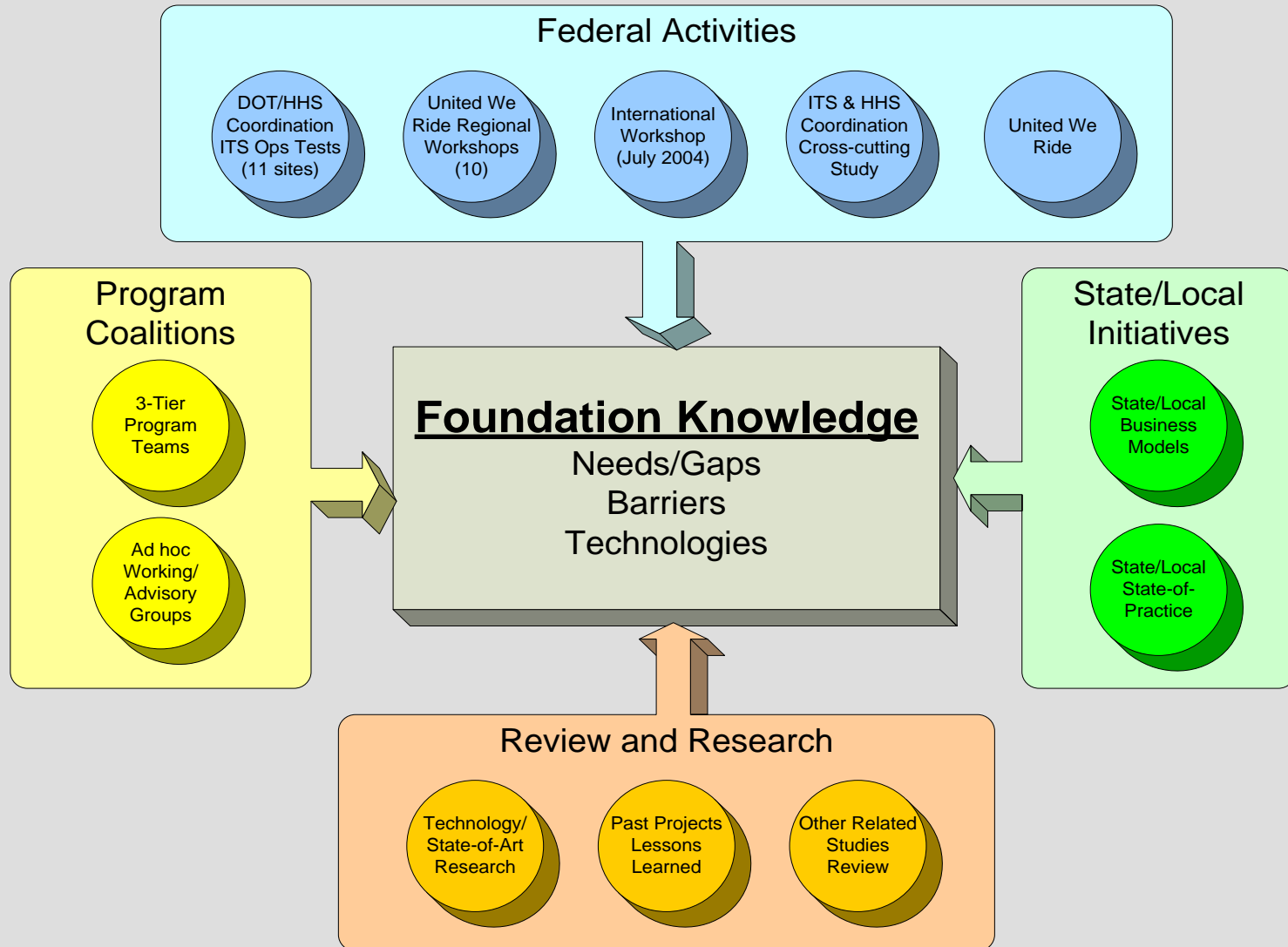
Mobility Services for All Americans Phase 2 Foundation Research



- Three foundation studies are proposed
 - Needs/gaps assessment
 - Institutional/service barriers identification
 - Technologies to address unmet needs/barriers
- Largely based on compiling/synthesizing existing knowledge and research
- Proposed performance period: 6 months



Mobility Services for All Americans Building the Foundation



Mobility Services for All Americans

Phases 3-5



- Phase 3 – Technology Integration, Testing and Evaluation
- Phase 4 – Replicable/scalable Model of Traveler Management Coordination Center
- Phase 5 – Documentation and Outreach

Mobility Services for All Americans Summary



- **Three Levels of Coordination**
 - In-house USDOT intermodal team
 - Federal inter-agency coalition
 - Stakeholder Advisory/Working Groups
- **Five-phase Approach**
 - Coalition building
 - Foundation research
 - Technology integration, testing and evaluation
 - Replicable model demonstration
 - Outreach and PCB
- **One Outcome**
 - Enhanced mobility and accessibility through technology integration and service coordination with efficient use of resources



We Need Your Participation



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