ITS Applications for TIM 6 - 1

Managing Traffic Incidents and Roadway Emergencies
Module #6
Learning Objectives

- List Intelligent Transportation Systems (ITS) Benefits to TIM
- List ITS Barriers to TIM
ITS Applications for Traffic Incident Management
Video Presentation

[This slide does not display. It serves as a placeholder for the introduction to and viewing of the ITS America Video, and subsequent discussion.]
What Is ITS?

Computer and communications technologies improve system efficiency and safety.
ITS and Traveler Information

- DMS, Traveler Advisory Radio
- Media including dedicated cable and radio stations
- Informational Kiosk
- Computer enhancements at Home and at work
- Dedicated Cellular Call in
- 50 Mile an Hour Rule
ITS Objectives

- Easier, Safer Travel
- Improved Traffic Flow
- Quicker Emergency Response
- Better Travel Information
- Improved Fleet Management
ITS Benefits for Traffic Incident Management

Greatest potential for ITS benefit is in:

- Detection and Verification
- Interdisciplinary Communications
TIM-Related Benefits

Linked city’s towers into roadway monitoring network for roughly $200

- Dispatched prior to request
- Response time reduced 5 to 7 minutes
- Appropriate equipment is sent

—Richardson, Texas
TIM-Related Benefits – cont’d

Implemented *Traffic and Incident Management System* (TIMS)

- Secondary Incidents decreased by 40%
- Freeway closures reduced by 55%
- Incident severity reduced by 8%

—*Pennsylvania*
ITS as part of the FHWA/TIM Program?

- Regional and Statewide Programs
- On-Scene Operations
- Integrated *Interagency* Communications and Technologies
ITS-Issues and Barriers

- Lack of Design/Performance Standards
- Technical Issues
- Funding
- Liability
- Privacy Issues
ITS Applications for TIM

Current

Future

TRAFFIC CLEAR
NEXT 5 MILES
ALL LANES CLEAR
Review Learning Objectives

- List Intelligent Transportation Systems (ITS) Benefits to TIM
- List ITS Barriers to TIM