The Role of IVI in Highway Safety

June 25, 2003



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Our Mission

To provide safer, more reliable, and more efficient transit systems

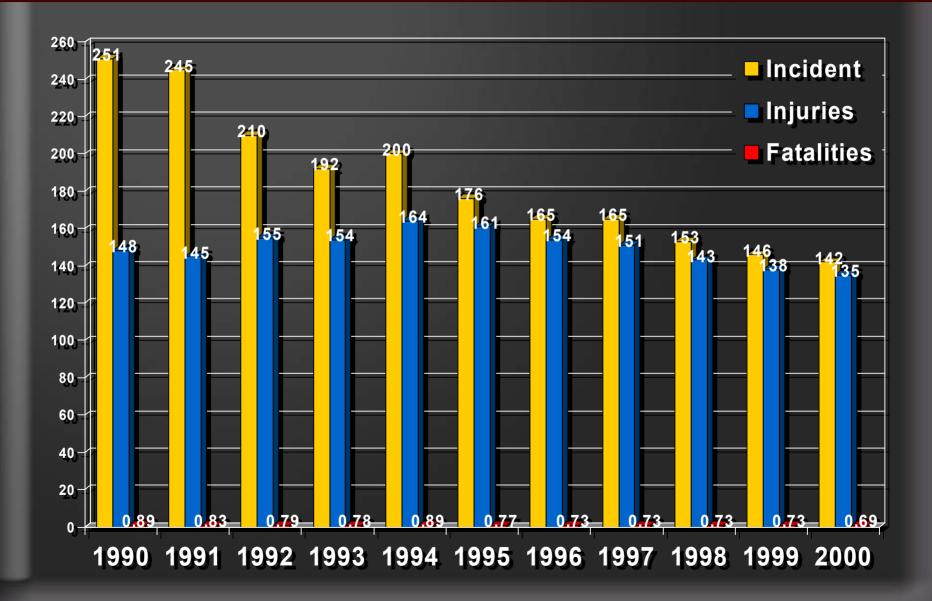


IVI for Transit

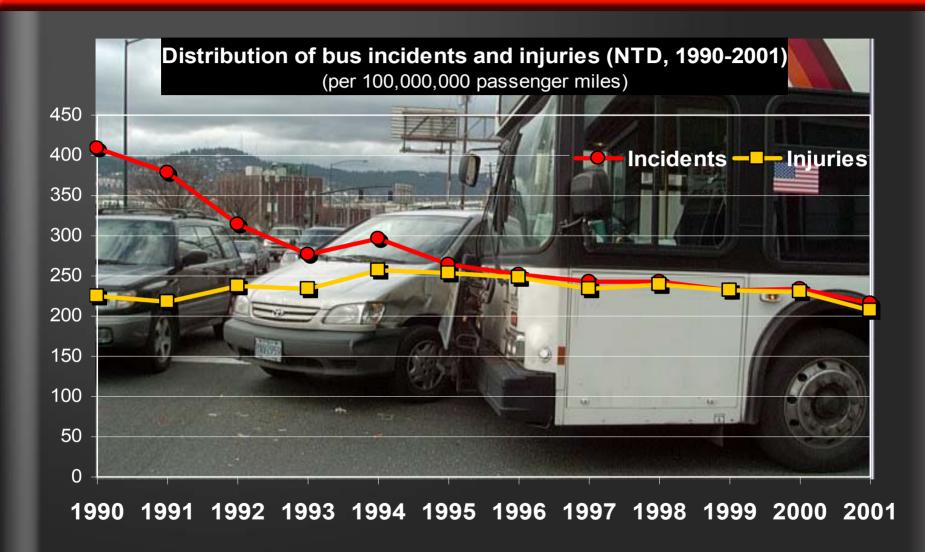
- Build upon the industry's safety record
- Utilize technology to improve service reliability
- Offer alternatives for improved transit service in challenging operational environments



Transit-Related Incidents Injuries & Fatalities per 100M Passenger Miles Traveled



Transit Safety



In 1998: Estimated total cost of \$870 million annually

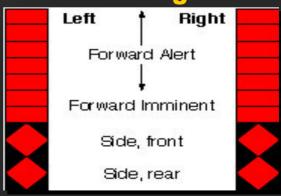
Improved Safety





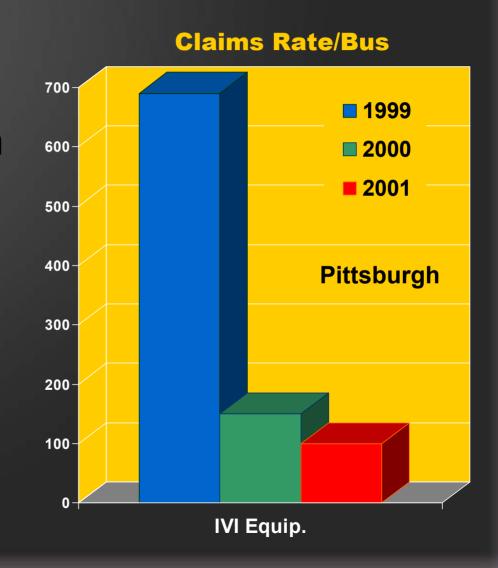


Integrated Collision Warning



IVI Demonstrated Performance

80 percent
 claims reduction
 in 100 vehicle
 test of side
 collision
 warning.



Improved Transit Service

- Bus Rapid Transit
 - Reduced travel times
 - Improved reliability
 - Substantially improved service levels
 - Increased ridership





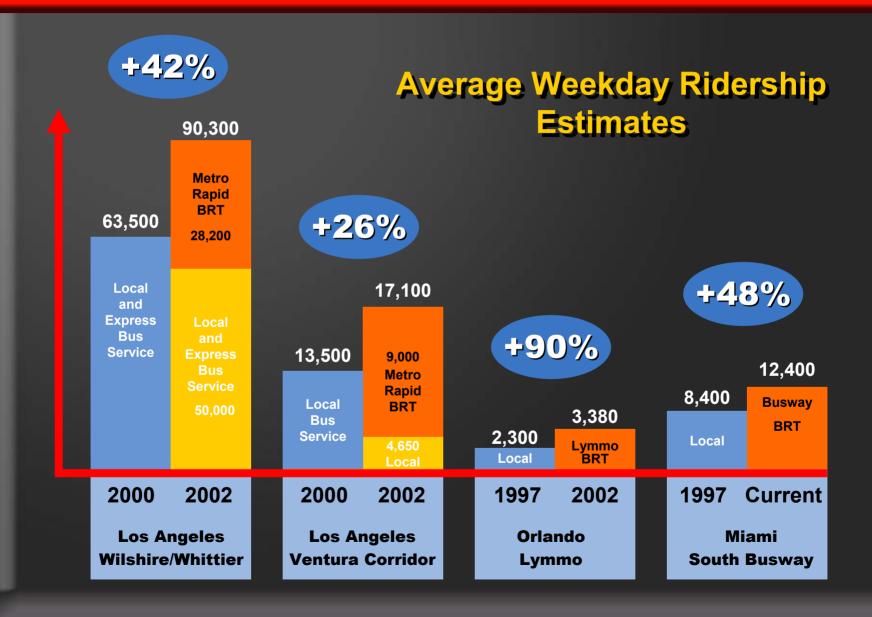
Improved Transit Service

- IVI components
 - Transit signal priority
 - Automatic vehicle location
 - Expedited fare collection
 - Next bus customer information





Ridership - Before and After BRT



Innovative Transportation Solutions

- 42 state and local transit initiatives were on the ballot in November of 2002
- Over 120 transportation corridors pursuing funding in the new starts pipeline
- IVI has the potential to reduce the infrastructure needed to provide quality bus rapid transit service

Innovative Transportation Solutions

- Mobility & lane assist
 - Connects BRT and IVI
 - Enhances mobility while maintaining safety
 - Lane assist technology can reduce the cost of a \$100 million guideway by 15 to 20 percent





Looking to the Future

- Continue to evaluate the safety impact on of IVI technology
- Evaluate and quantify the independent benefits and costs of IVI components
- Pursue demonstration program to test lane assist systems in an operational environment

