

Research Trends – Transportation Operations and Safety

presented to

PATH 20th Anniversary

presented by

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Transportation leadership you can trust.

Research Trends – Transportation Operations

- **On-going initiatives at FHWA Office of Operations**
 - **Integrated Corridor Management**
 - **Next Generation Simulation**
 - **Mobility monitoring**
 - **Planning for Operations**
 - **TMC pooled fund studies**
- **New FHWA initiatives**
 - **Congestion Initiative: Demonstrate how to “eliminate congestion” in one metro area**
 - **“Bottlenecks” initiative**
 - **Simulation pooled fund studies**

Research Trends – Transportation Operations and Safety

- **SHRP II**
 - Capacity, Reliability, Safety, Renewal
- **NHTSA**
 - Human factors research
- **FHWA Office of Safety**
 - Intersection Collision Avoidance
 - Planning for safety
 - Safety impacts of different operational and capacity improvements
- **Crash records database systems**

Research Trends -- Common Threads

● Focus

- Away from basic research and into applied research
- Archived data
- Non-recurrent congestion and its causes
- Operation and real-time management of transportation system
- Asset management systems for Operations

● Federal: Reduced funding – increased earmarks

● California: November ballot measure