Vulnerability/Risk Assessment
Conceptual Model and Pilots

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Peer Exchanges and Survey

- Peer Exchanges conducted in 2008 and 2009
- Preceded by survey
- Survey results indicated that while some States were actively addressing adaptation, many States were just beginning to consider adaptation, or were not planning to in the near future
Vulnerability Assessment and Risk Management

**RISK ASSESSMENT**
- Exposure
- Vulnerability
- Resilience

**ADAPTATION RESPONSE**
- Protect
- Accommodate
- Retreat

**GREATER RESILIENCE**
• Goal: help transportation decision makers identify assets:
  ▪ most exposed to the threats from climate change; and/or
  ▪ could result in the most serious consequences as a result of those threats

• Use by State DOTs and MPOs

• Pilots – call for nominations

• Finalize
Conceptual Model

• Asset Inventory and Prioritization (importance)
• Climate Data, certainty, likelihood, magnitude
• Assessing Risk and Vulnerability to changes
• Monitor and Revisit
• Identify, Analyze, and Prioritize Adaptation Options
Pilot Status

• Applications were due by July 30 to FHWA
• Next: Evaluate, announce funding for pilots
• Work to improve model, given info from pilot testing
Thank you!

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