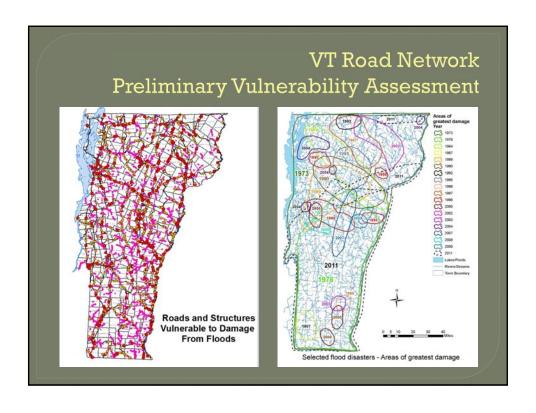
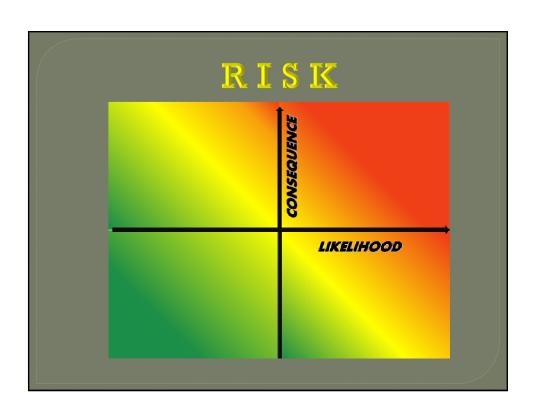
Risk-Based Approach to Improving Transportation System Resilience Methods & Tools for Transportation Resilience 2016 NASTO Conference June 7, 2016 Joe Segale, P.E./PTP VT Agency of Transportation Policy, Planning and Research Bureau Director

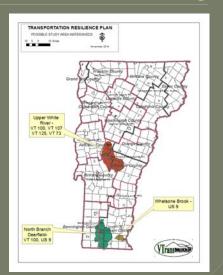


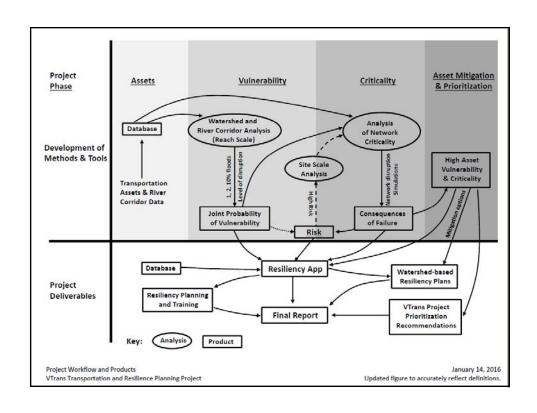


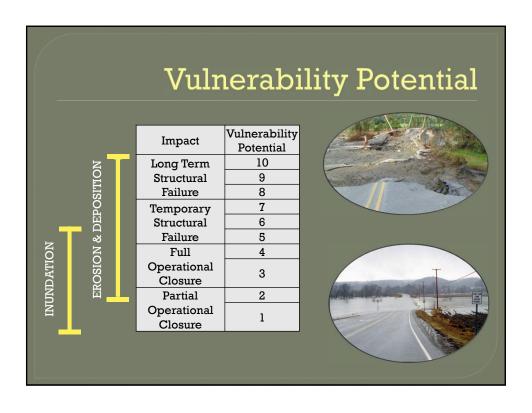


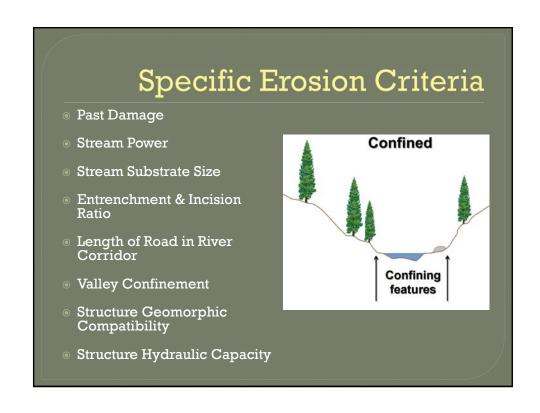
Methods & Tools for Transportation Resilience Planning

- Software tools to assess vulnerability, probability, consequence, and risk
- Technical documentation and training materials
- Training workshops
- Transportation System
 Resilience Plans for three study watersheds
- A recommended update to the VTrans Project Prioritization Process





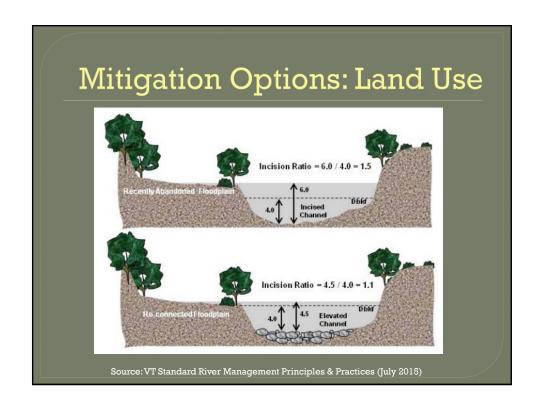




Oriticality Methodology Network Robustness Index Critical Closeness Accessibility Statewide Travel Demand Model











STAKEHOLDERS VTrans VT Agency of Natural Resources VT Department of Homeland Security & Emergency Management VT Agency of Commerce and Community Development UVM Transportation Research Center Regional Planning Commissions CONSULTANTS Milone & MacBroom Fitzgerald Environmental Dubois & King Stone Environmental Smart Mobility