

RUTGERS

Edward J. Bloustein School
of Planning and Public Policy

**The Fourth Annual DHS University Network Summit
Panel 22 - Transportation System Resiliency**

Real World Resiliency

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Resilience: an ability to recover from or adjust easily to misfortune or change

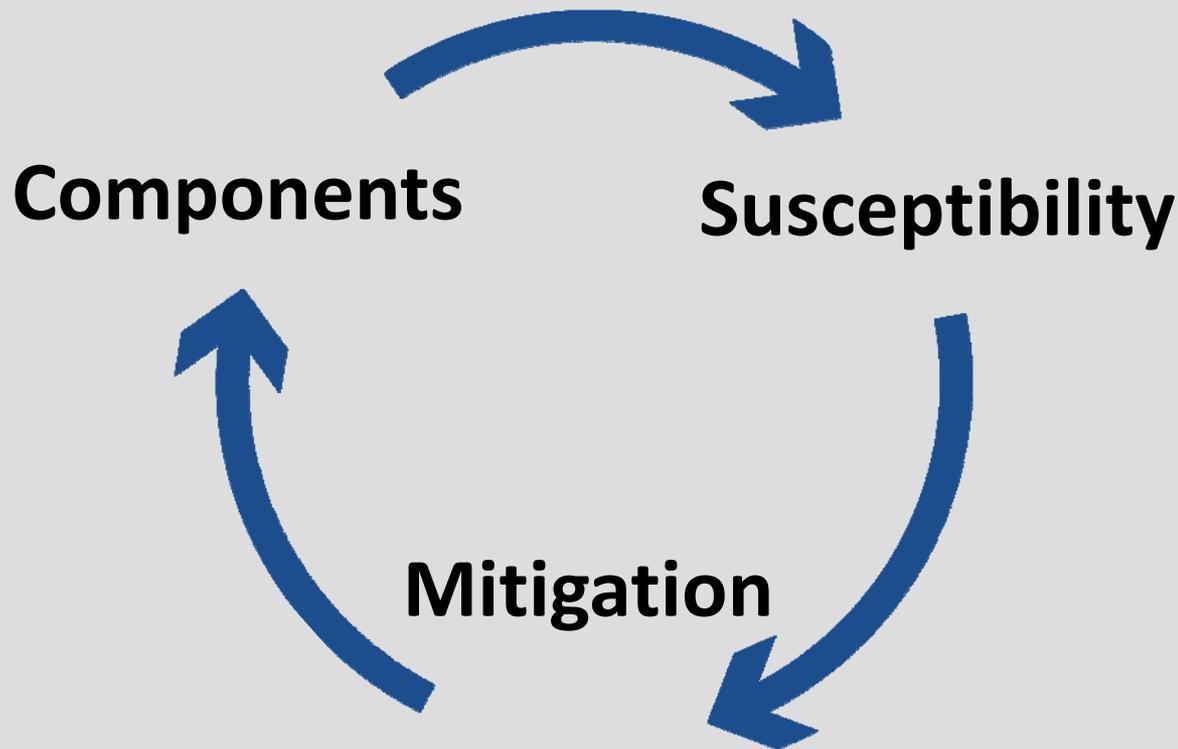


COOP/COG plans identify and address operational and infrastructure resiliency

What Are We Planning For?



Transportation System Resiliency Planning



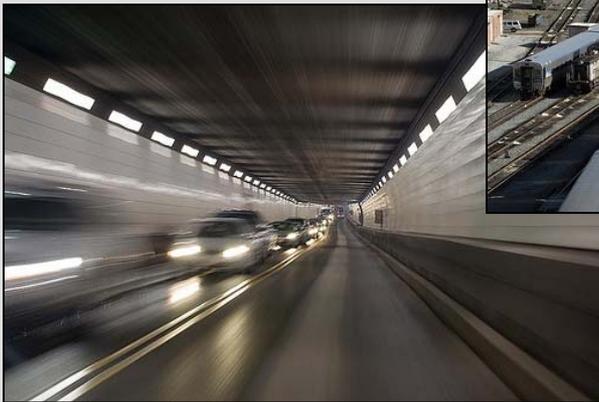
Components

- Operations
- Infrastructure
- Assets
- Commodities
 - People (Commuters)
 - Cargo
 - Haz-Mat/TIH
 - Food/Pharmaceuticals



Susceptibility

- Criticality
- Redundancy
- Vulnerability
- Iconic Nature



Mitigating Resiliency Risks

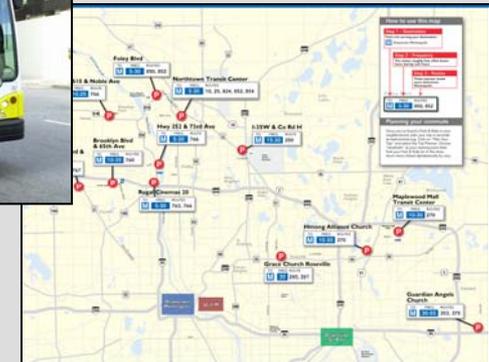
- Hardening

- Design
- Construction
- Operations/Policies

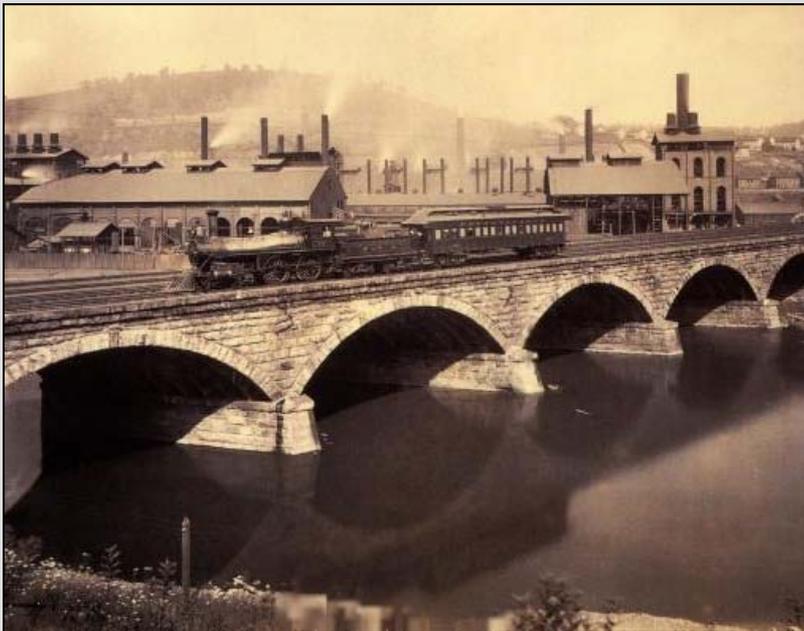


- Redundancy

- Alternate Routes
- Alternate Modes
- Surplus Equipment/Assets



Collateral Impact



Johnstown, PA - 1889

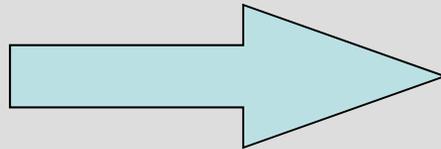
What Are Realistic Expectations?



About 1 Week

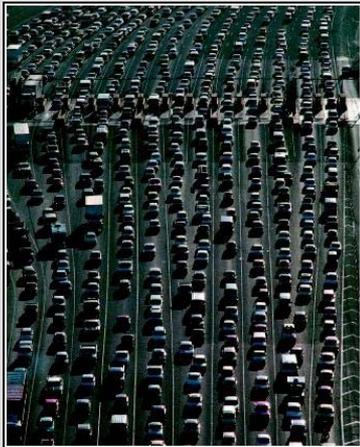


14 Months

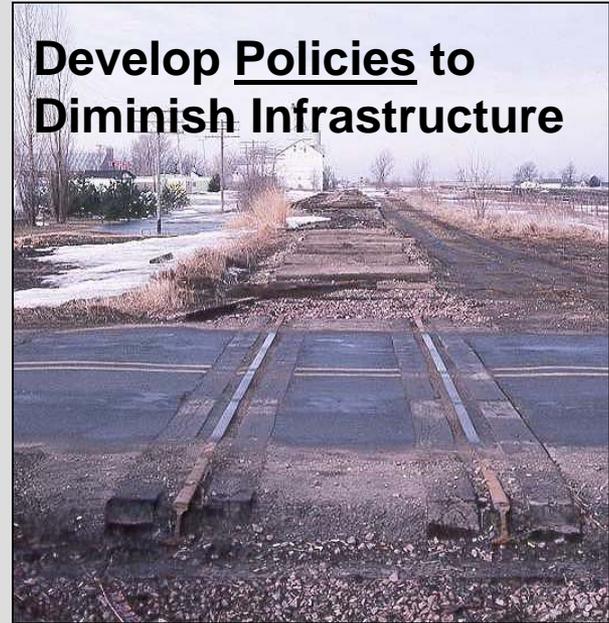


100+
Years

Future Challenges



Rush Hour Capacity vs.
Evacuation Planning



Develop Policies to
Diminish Infrastructure



Prioritize the
Movement of Goods