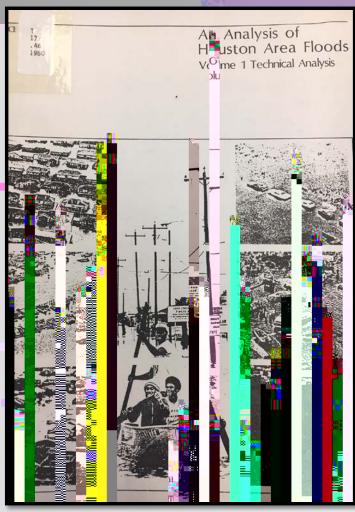


Resiliency Planning



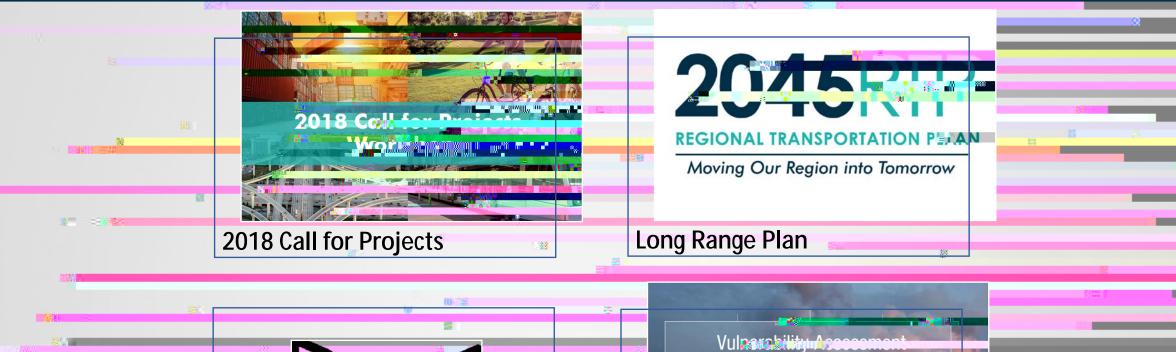
Regional Planning

- Regional Flood Management Council
- Hazard Mitigation Plans
- Our Great Region 2040
- Foresight Panel on Environmental Effects
- Transportation





Transportation Resiliency Efforts







Resilience and Durability Pilot

Resilience and Durability Pilot



- Use VAST tool + risk analysis + economic analysis to identify most vulnerable assets/ road segments
- Develop recommendations for most vulnerable assets/ road segments
- Update H-GAC publications and project selection criteria

Geography

8-County Region

Time Horizons

- Current
- 2030 (~ 10-year plan)
- 2045 (Long range plan)

Extreme Weather Threats

- Coastal Flooding
- Inland Flooding

Assets to Consider

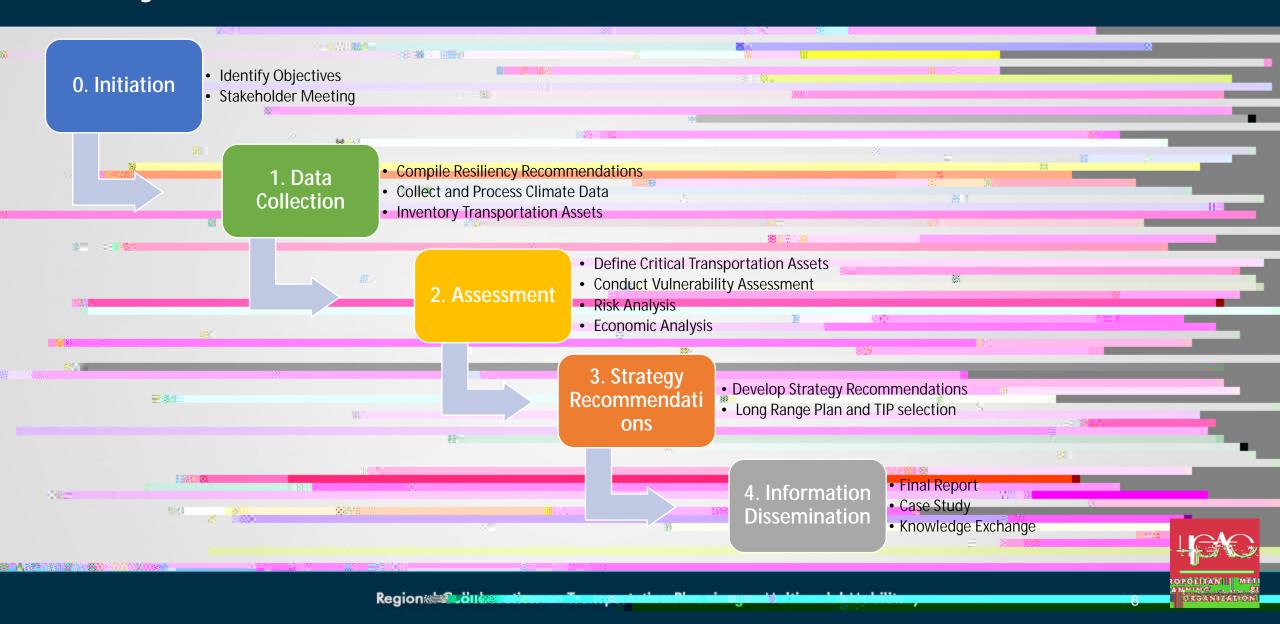
- Roads (freeways and major streets)
- BridgesTxDOT on-system

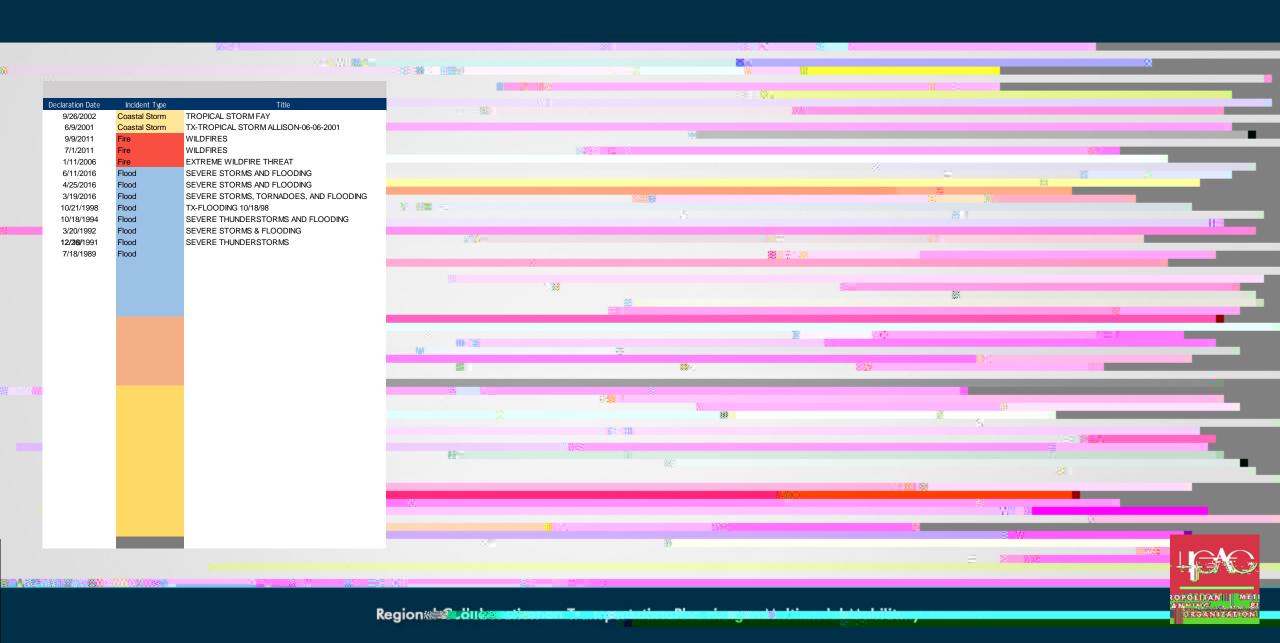


Project Analysis, Methodology

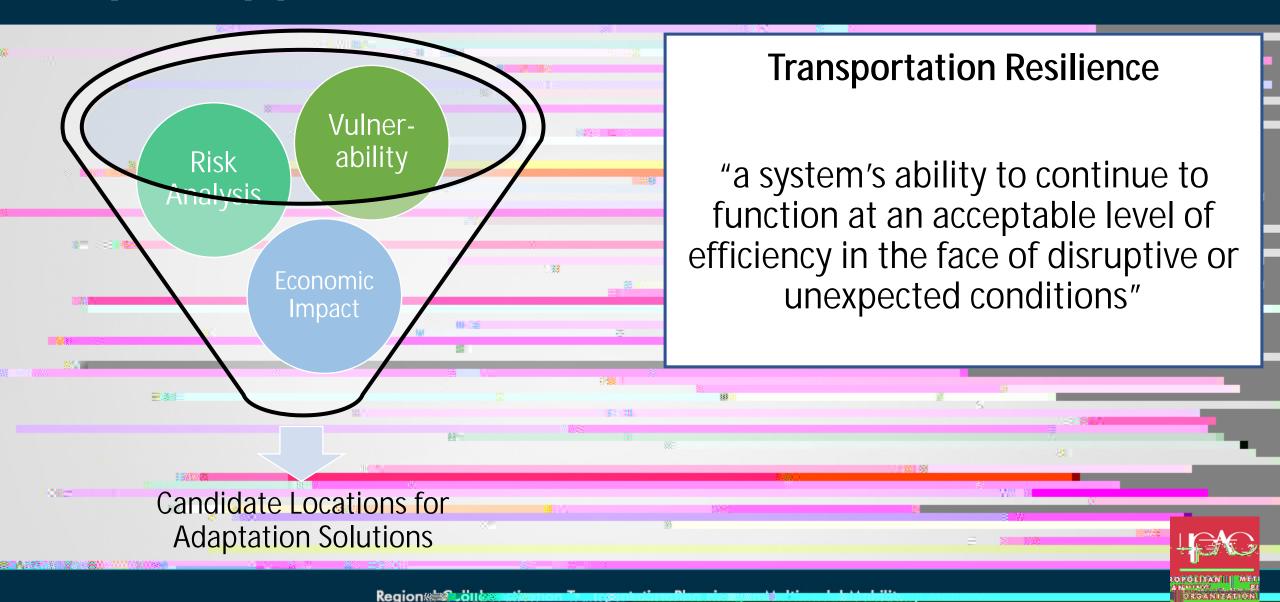


Project Phases & Timeline





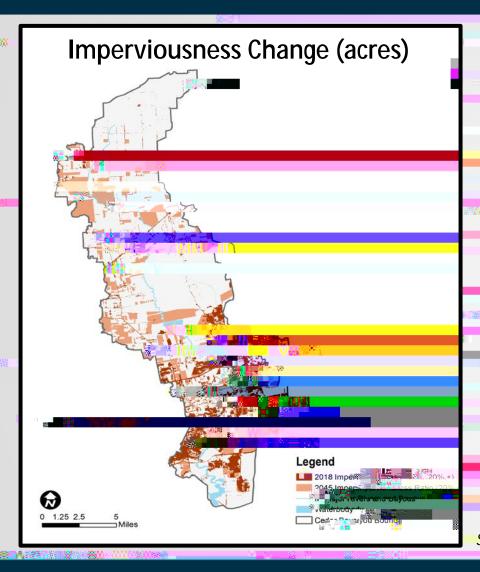
Proper approach?



Congestion



Cedar Bayou Initiative, Land Use



Estimated Imperviousness Ratio by Land Use

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Imperviousness ratio

represents urban

impervious

percentage of

developed surface over

every 30-meter

(98.4252 feet) pixel.

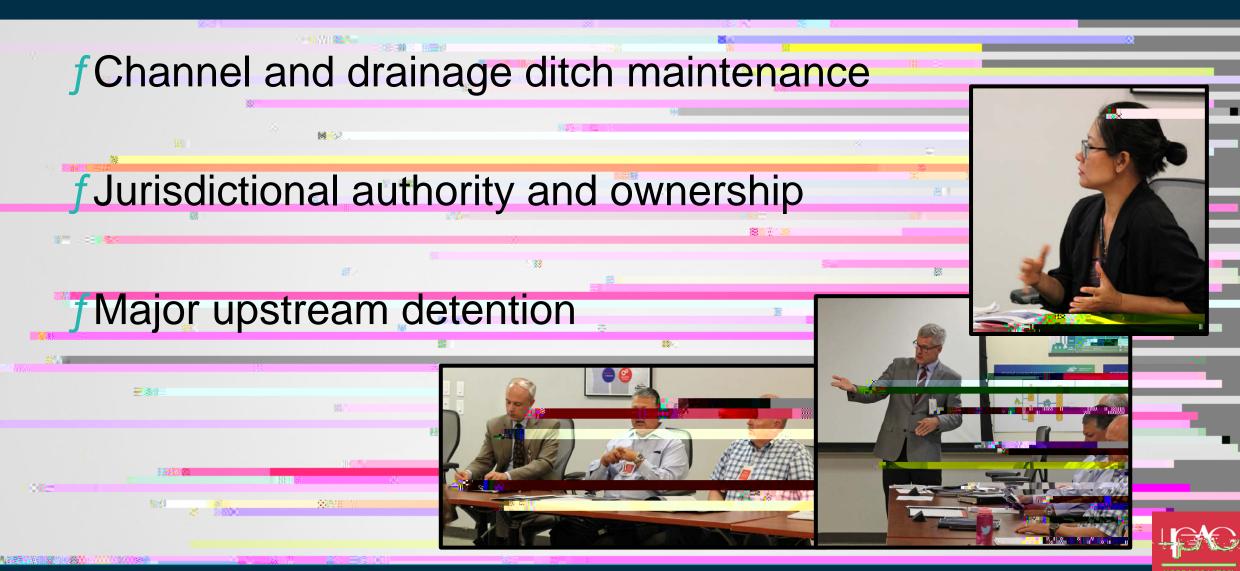
Imperviousness Change (2018-2045)

* 20% + is one of criteria for determining US Census Urbanized Area

Source: 2016 NLCD Percent Developed Imperviousness, MRLC; 2018 10 Class Land Cover Data Set, H-GAC



Cedar Bayou Initiative, Back to Basics



Takeaways



- f Off to a good start
- f The multimodal perspective
- f Back to basics
- f Big challenges ahead
- f A role for MPOs



Contact/ Resources

