# Planning for a Resilient Houston-Galveston Region

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# **Resiliency Planning**

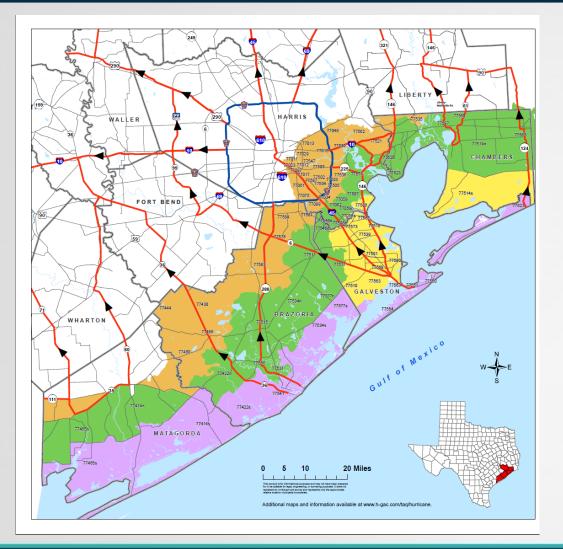


### **Regional Planning**

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



# Impacts of Disasters & Disruptions



#### **486 High water locations**

#### 1000+ Emergency repairs

(signal systems, sinkholes, washouts)

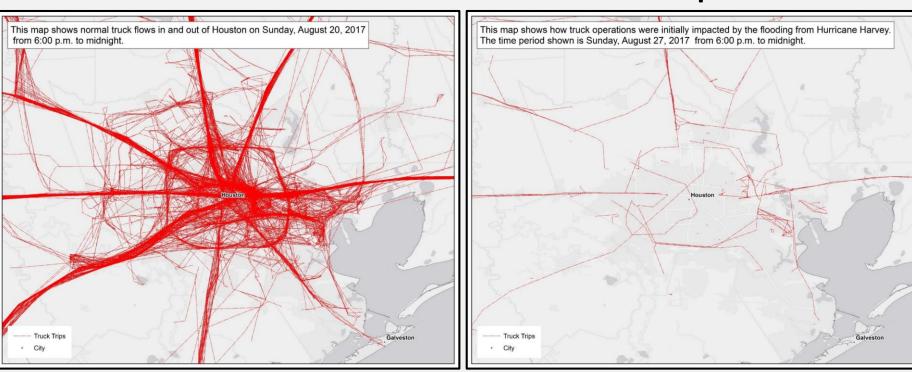
#### **Harris County**

- 1 trillion gallons of water
- 120,000 structures flooded
- 36 deaths



# Impacts of Disasters & Disruptions

#### **Business as usual**



#### **1,750 miles** Out of service

# 2,440 miles Impacted



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Disruption

## **Transportation Resiliency Efforts**



2018 Call for Projects







# Call for Projects -- Project Categories

- Access Management/ Safety/Grade Separations
- Active Transportation
- AV/CV Infrastructure
- Infrastructure Resiliency
- Innovative Freight Movement
- Regional ITS Infrastructure

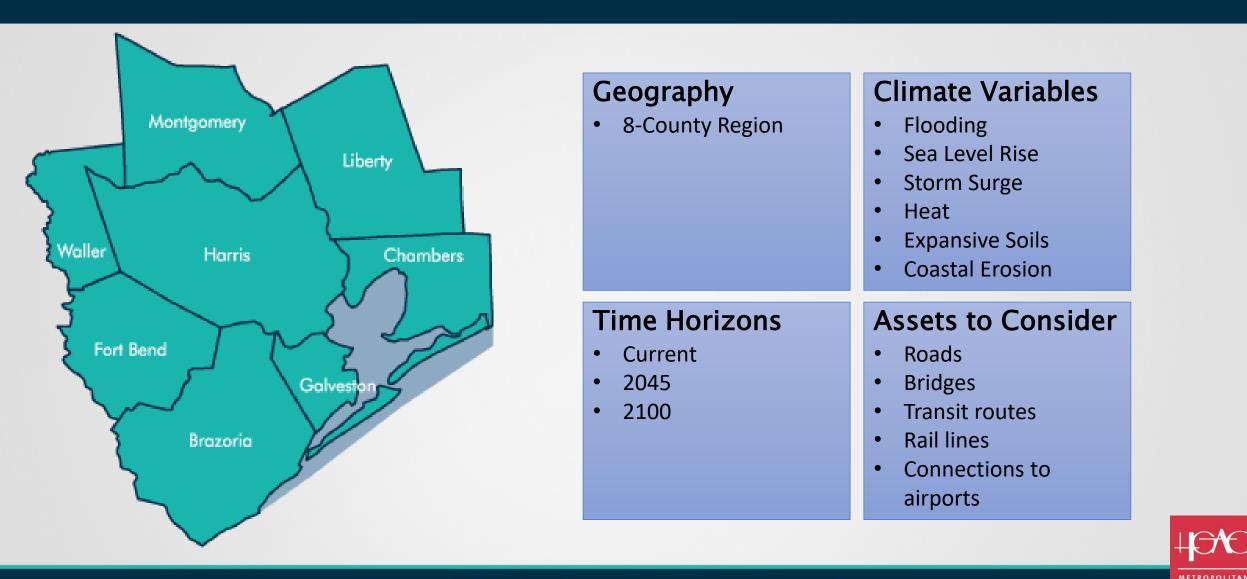
#### Rehabilitation/Reconstruction

- Roadway Added Capacity/New Construction/Complete Streets
- Transit Expansion
- Transit Facility State of Good Repair
- Transit Passenger Facilities
- Transit Priority Infrastructure



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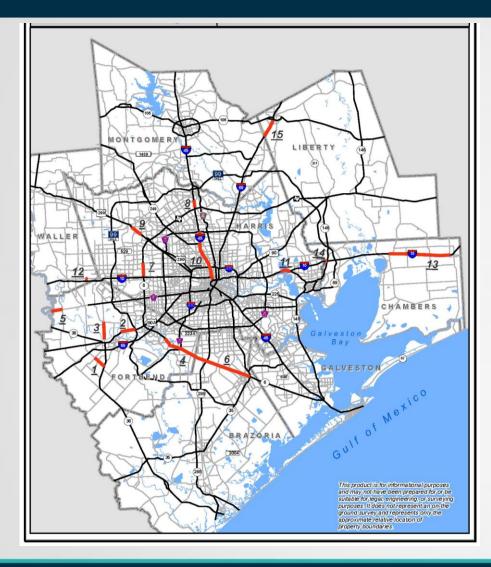
# **Resilience and Durability Pilot**



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# **Transportation Vulnerabilities**



#### 15 Candidate projects

#### **Project types**

- Pavement elevation
- Bridge replacements
- Intersection rebuilds

#### \$2.6 Billion



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# **Coordination and Vision**



#### Holistic approach to resilience

- Better coordination of federal, state, regional and local programs
  - Infrastructure
  - Policy
  - Public awareness
- Multi-benefit projects

Parks and Green Sp

- Transportation
- Water Supply



# **Contact/ Resources**

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**Resources Links** 

Houston-Galveston Area Council h-gac.com

**Regional Flood Information** *http://arcgis02.h-gac.com/flood/* 



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