Resilience and Durability to Extreme Weather Pilot Project

PANEL DISCUSSION
June 26, 2019

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Who We Serve

- Corpus Christi Regional Transportation Authority
- State of Texas
- County of Nueces
- County of San Patricio
- City of Corpus Christi, Texas

- Corpus Christi Metropolitan Planning Organization (MPO)
- Portland of Possibilities
- Coastal Bend Council of Governments
- Port Corpus Christi
- Federal Transit Administration
- Texas Department of Transportation
- U.S. Department of Transportation
UNDERSTANDING YOUR TRANSPORTATION NEEDS

With your help, we can better understand the things that impact how you travel in your area and your opinions of the transportation system will help set the transportation needs of the community, both now and in the future.

TAKE OUR SURVEY

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MTP
METROPOLITAN TRANSPORTATION PLAN
2015-40
Long range planning over a horizon of 20 or more years.

TIP
TRANSPORTATION IMPROVEMENT PROGRAM
FY 2019-2022
Short-range plan with anticipated federal funding.

UPWP
UNIFIED PLANNING WORK PROGRAM
FY 2019-2020
Our comprehensive one year planning program.
Resiliency Pilot Project Basics

MPO Lead: Separate FHWA Grant

Partners: Texas A&M-CC, City of Corpus Christi, Nueces County, Consultant Team HDR with LJA

Cost Sharing: FHWA $$, MPO $$
Integrate into MPO Planning Program

**MPO UPWP:** Annual Budget for Programs and Studies with FHWA PL funds

**Special Projects:** Separate Funding for
- FHWA Resiliency Grant
- Regional Travel Speed Study
Next Steps: Integration into MTP

MPO MTP: Metropolitan Transportation Plan 25-Years

Resiliency Plan: Connect to our regional planning context!

Resiliency will be Planned and Integrated into Overlapping Transportation Objectives for: Roads, Transit, Bicycle, Freight, Pedestrians, Aviation, and Rail
Pilot Project Detail

• The pilot project is located on: Laguna Shores Road, a major north-south thoroughfare in the Flour Bluff neighborhood

• Roadway runs along the western shoreline of Laguna Madre

• Roadway is vulnerable to erosion, inundation, and other chronic and acute impacts from rising sea levels and coastal storm activity

• Efforts to construct a nature-based shoreline protection feature of a shellfish habitat and saltwater marsh. This will help to create a more resilient roadway and improve level of service and reduce susceptibility to inundation
Looking south at the project location on Laguna Shores Road under typical (non-storm) conditions.

Close-up, note the irregular edge of pavement and proximity to open water.
LEGEND

Elevation (FT NAVD88)

- -2.5 - -1.5
-1.5 - -1.0
-1.0 - -0.5
-0.5 - 0.0
0.0 - 0.5
0.5 - 1.0
1.0 - 1.5
1.5 - 2.0
2.0 - 3.5
Typical Roadway Cross Section
MPO TIP: Transportation Improvement Program 4-years of Projects and Programs

Local Government Bond Projects: Laguna Shores Road: Reconstruction of 2-lane road, elevated to 5 feet above MSL and incorporate pilot wetland mitigation by MPO.