

RESILIENCE ACTION PLAN

presented to

Resilient Florida Program Quarterly Resilience Forum

presented by

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February 1, 2023

FLORIDA TRANSPORTATION PLAN





RESILIENCE POLICY

- Ability to adapt to changing conditions and prepare for, withstand, and recover from disruption
- Identify risks, particularly related to:
 - Storms
 - Flooding
 - Sea level rise
- Assess potential impacts
- Employ strategies to avoid, mitigate, or eliminate impacts

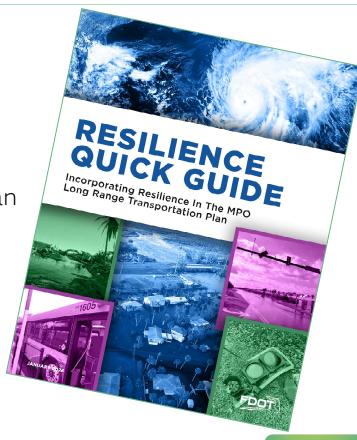




LRTP RESILIENCE QUICK GUIDE

- → New
 - Infrastructure Investment and Jobs Act (IIJA)
 - PROTECT funding program
 - Resilience Improvement Plan/Resilience Action Plan
 - FDOT Resilience Policy
- → Updated
 - Florida Noteworthy Practices
 - National examples





INHERENT RESILIENCE

- Design criteria
- Stormwater/drainage design procedures
- Nature-based solutions
- Context sensitive, complete streets
- Local partner coordination







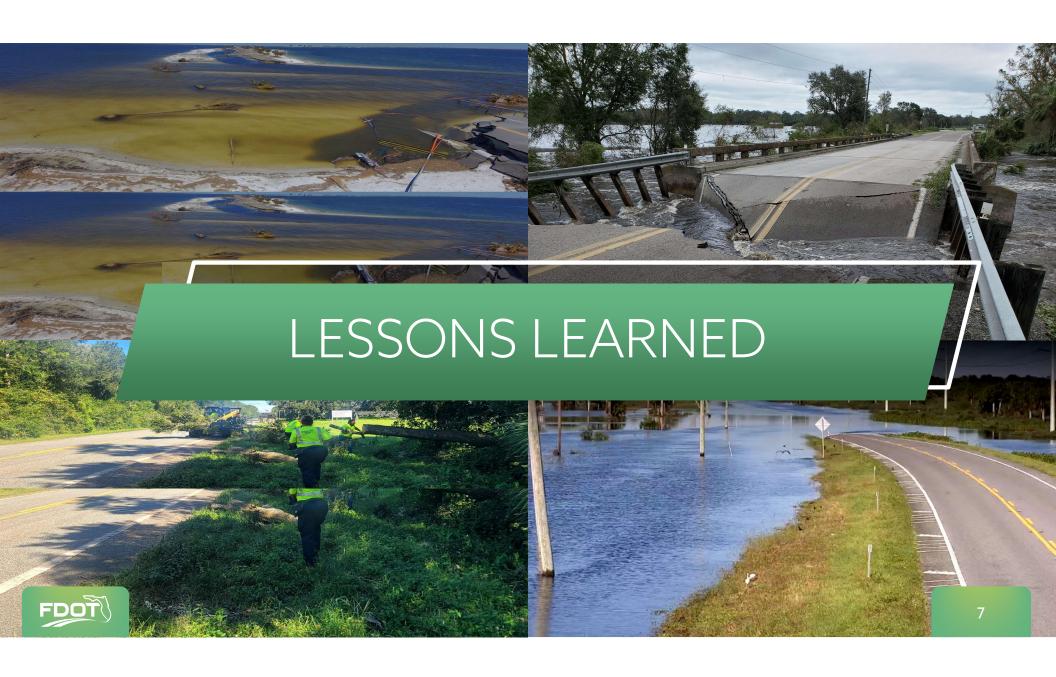




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- Nature-based hybrid solution
- Dune washed away, but buried secant-pile bulkhead/seawall
- Protect transportation facility from stormrelated wave action and erosion

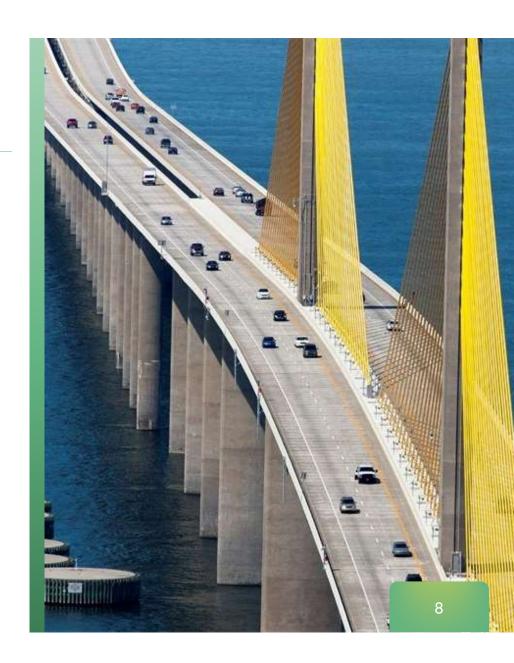




RESILIENCE FOCUS IN FLORIDA

- Sea Level Impact Projection (SLIP) Studies
- → Resilient Florida
- Florida Flood Hub
- Statewide Office of Resilience/Chief Resilience Officer
- → FDOT Resilience Action Plan (RAP)





RESILIENCE ACTION PLAN GOALS



Recommend strategies to enhance infrastructure and operational resilience



Recommend design changes for existing and new facilities



Enhance partnerships to address multijurisdictional resilience needs



RESILIENCE ACTION PLAN ELEMENTS









Database of vulnerable assets

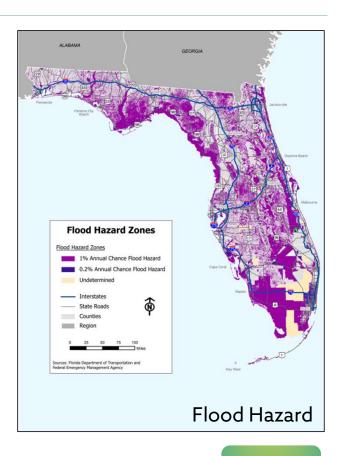




VULNERABILITY ASSESSMENT









VULNERABILITY ASSESSMENT: PRIORITIZATION

	Hazards affecting an area		
Vulnerability	1% annual chance of flooding (100-year flood zone)	2 feet of sea level rise	Category 3 storm surge
High	Areas affected by all three hazards		
Medium	Areas affected by any two of the three hazards		
Low	Areas affected by any one of the three hazards		
Other	Remaining areas not within the hazard areas above		



RESILIENCE ACTION PLAN STRATEGY AREAS



Planning/PD&E



Design & Construction



Operations



Asset Management



RESILIENCE ACTION PLAN NEXT STEPS



Finalize Vulnerability
Assessment &
Prioritization





Plan due to Governor and Legislature by June 30, 2023



FEDERAL PROTECT PROGRAM

- Promoting Resilience Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT)
- > Formula and discretionary funding
- Formula funding allocated to FDOT districts
- Emphasis on incremental improvements and natural hazards





Don't Drive Into the Unknown......



.....Stay Away from Flooded Streets!

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