

# RESILIENCE ACTION PLAN

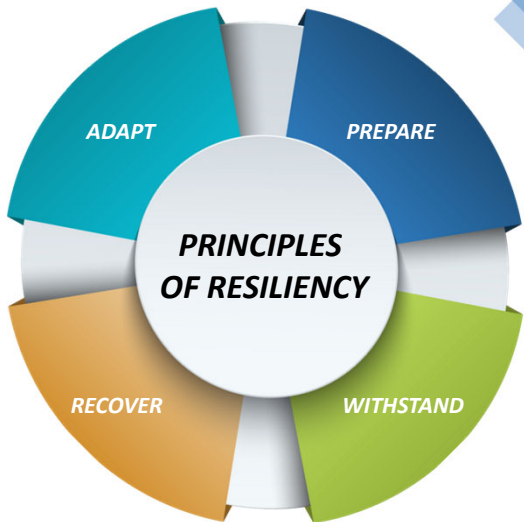
*Palm Beach Transportation Planning Agency, Citizen's Advisory Committee*


October 4, 2022

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## RESILIENCY 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





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# FDOT ACTIONS



PRACTICES



TOOLS



RESEARCH



COLLABORATION



INTEGRATION OF  
TOOLS WITH  
PROCESSES



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# INHERENT RESILIENCY

- Stormwater/drainage design procedures
- Traffic signals
- Pavement markings
- Roundabouts
- High mast lighting
- Materials



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# RESILIENT SOLUTIONS

- Nature-based solutions
- Context sensitive, complete streets
- Local partner coordination



# FDOT DISTRICT FOUR

## SR A1A in Broward County



Hurricane Sandy - SR A1A in Fo

## SR A1A in Broward County



Permanent Project Reflecting Resiliency and Community Goals for SR A1A in Fort Lauderdale

## SR A1A in Broward County



SR-A1A Tidal Flooding Study in Hollywood



## Planning for Transportation System and Transportation Project Development Phases



- ▶ FDOT and partners have found transportation system resiliency is not a linear process always starting with long range planning and always ending with operations and maintenance.
- ▶ Instead, FDOT and partners have been figuring out how best to increase resiliency on multiple fronts at the same time, learning along the way.

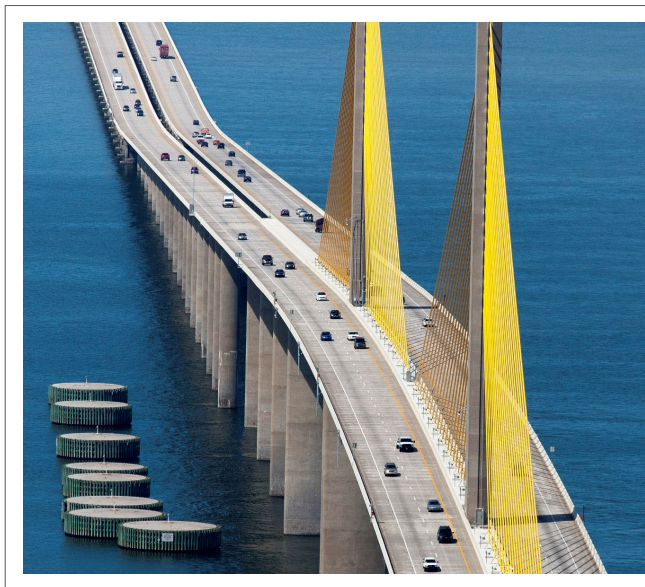


## ADDITIONAL BACKGROUND - FEDERAL

- Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT) Program
- Approximately \$70 million a year (formula funds)
- Nuisance flooding and other priorities
- Discretionary grants (NOFO upcoming)



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FDOT

## ADDITIONAL BACKGROUND - STATE

- Peril of Flood
- Sea Level Impact Projection (SLIP) Studies
- Resilient Florida
- Florida's Chief Resilience Officer
- Florida Flood Hub
- Resilience Action Plan (RAP)

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## RESILIENCE ACTION PLAN (RAP) 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 (RAP) ELEMENTS

- Historic/Current Issues
- FDOT Policies and Procedures
- Vulnerability assessment of State Highway System
- Alternatives to retrofit existing infrastructures and systems
- Database of vulnerable assets

How has your organization changed your practices to better incorporate or address resilience for transportation?



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## NEXT STEPS FOR THE RESILIENCE ACTION PLAN

- Collaboration with Partners and Stakeholders
- Spring Public Comment period
- FDOT Resilience Website

[fdot.gov/planning/policy/resilience/default.shtm](https://fdot.gov/planning/policy/resilience/default.shtm)

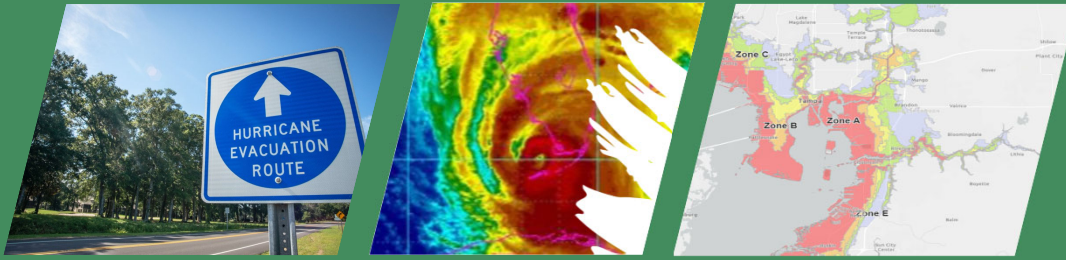


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*It's Hurricane Season.....*



**..... Know Your Zone, Know Your Home!**

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