



Office of the County Administrator  
Michael S. Merrill



## **Federal Highway Administration (FHWA) Vulnerability Assessment & Adaptation Pilot Project Meeting Summary**

### **Agenda Topics**

Time Allotted | 2:27pm-4:30pm | Agenda Topic - Introduction/Project Recap/ Preliminary Vulnerability Assessment (Exposure analysis)

### **Discussion**

- Allison- Project Overview/Introductions- 2:27pm
- Josh DeFlorio- 2:28pm-4:30pm
  - Project Recap: climate change vulnerability assessment and adaptation pilot, focused on the transportation sector.
  - Scope
    - Phase I: Infrastructure data collected of the transportation- we are culminating phase I process.
    - Phase II: Identify critical, vulnerable infrastructure- beginning this today
    - Phase III: Develop adaptation
    - Phase IV: Knowledge exchange
  - Criticality assessment
    - Facilities the access of people and goods to significant origins and destinations to your region, community, State, or beyond.
    - Representative of a common category of transportation facilities in your region.
    - The approach: establish a data-driven foundation for stakeholder decision making- especially useful for future scenarios and step II, using the product of step I, facilitate a dialogue among stakeholders.
    - A tool for making more informed decisions, not a tool that make decision
  - Results
    - Traffic analyses (destinations and origin points)
      - 2040 Critical Facilities- Dark brown 2% (very high criticality)
      - 2040 Critical Facilities- Dark red line- Very High (top 3%)
      - 2040 Critical Facilities- Evacuation Routes
      - 5-10 critical facilities will be determined for further analysis
  - Preliminary Vulnerability Assessment (Exposure analysis).
    - 2040 Sea Level Rise (Low MHHW)- general circulation models (Mean Higher High Water-20 inches above the Tidal Datum)



- 2040 Sea Level Rise (High, MMHHW)- Manageable
- 2040 Category 1 Surge + SLR (Low, MHHW)
- 2040 Cat 1 Surge + SLR (High, MHHW)
- 2060 Cat 1 Surge +SLR (Low, MHHW)
- 2060 Catt 1 Surge + SLR (High, MHHW)
- 2040 Cat 3 + SLR(Low, MHHW)- Catastrophic
- 2040 Cat 3 + SLR(High, MHHW)- Catastrophic
- 2060 Cat 3 + SLR(low, MHHW)- Catastrophic – 18 feet of surge
- 2060 Cat 3 + SLR(High, MHHW)- Catastrophic – 18 feet of surge
- Flood Hazard Zones (FHZs): Orange dots- Flooding Hot Spots (Dr. Su) - Counties hot spots. Mike Gocka- City of Tampa
- Selection of Critical/Vulnerable Assets to Study
  - Interactive criticality selection
  - Split into common groups

Asset Types	Reason	Vulnerability		
<b>Downtown Tampa</b>				
I-4 connector/ I-275/Adamo(US 60)/ Port	Moves goods	<ul style="list-style-type: none"> <li>• Inland flooding from category 1 or any severe weather</li> </ul>		
Kennedy & Ashley				
Tampa General Hospital				
<b>Westshore I-275 Cluster</b>				
Airport/Raymond James Stadium				
McDill AB				
Dale Mabry HW				
Veterans Expy				
Hillsborough Avenue.				
I-275				
Kennedy Avenue				
60				
<b>Gandy Cluster</b>				
Selmon				
Gandy Bridge				
Gandy Blvd				
<b>South Tampa Cluster</b>				
Bayshore Blvd.				
McDill				
McDill Ave.				
Hillsborough Avenue Cluster	Critical but not vulnerable			
<b>I-4 Cluster</b>				

Fairground (staging area) and goes to Orlando				
Temple Terrace Cluster				
BBD				
i-75				
Fletcher Avenue				
Fowler Avenue				
S. County Cluster				
Rail(fuel)				
US41				
US301				
Old Tampa Bay				
Tampa Road				
Linebaugh				
Hills. Ave.				
Courtney Campbell Causeway				
Hills. And Sheldon				
Little Manatee				
Riverview High School special needs Shelter				