

A woman is sitting in a small boat in a flooded parking lot. The water is murky and reflects the surrounding cars. The background shows several cars parked in rows, with the water reaching up to their windows. The overall scene is dimly lit, suggesting an overcast day or early morning/late evening.

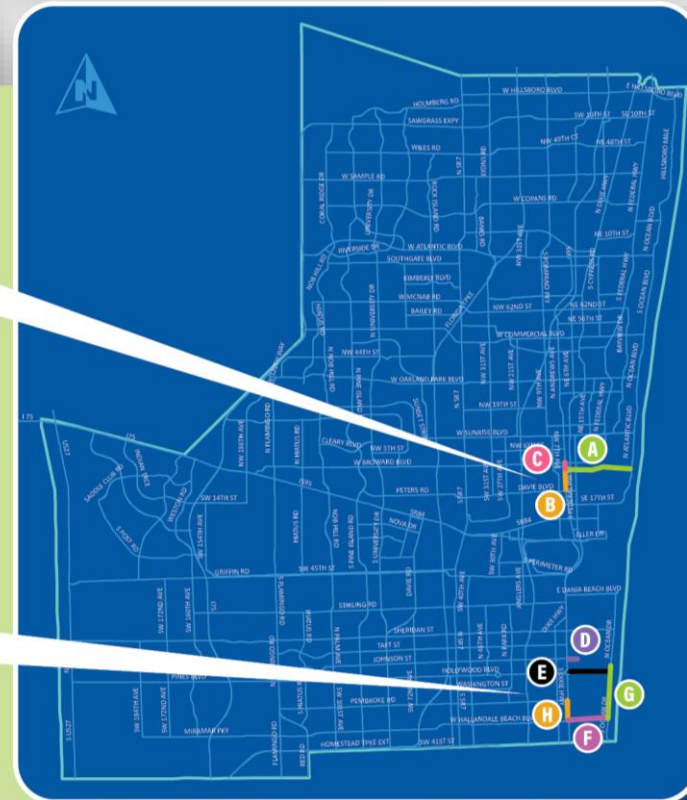
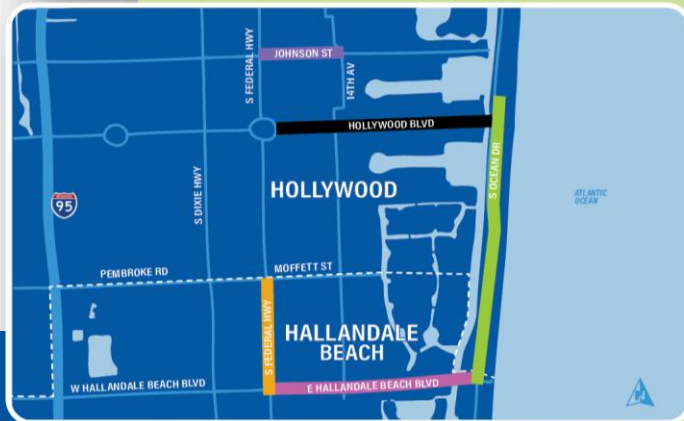
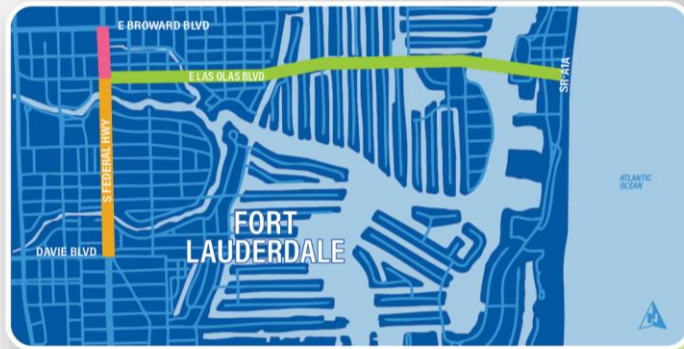
# Fort Lauderdale Resiliency Study US 1

# Agenda

- ❑ **Introductions (5 min)**
- ❑ **Project Background (5 min)**
- ❑ **Framework (5 min)**
- ❑ **Federal Highway – Study Area Overview, Data Collection, & Field Review (15 min)**
- ❑ **Project Deliverables & Schedule (10 min)**
- ❑ **Next Steps (5 min)**
- ❑ **Questions & Open Discussion (15 min)**

# Resiliency – 2045 Metropolitan Transportation Plan (MTP)

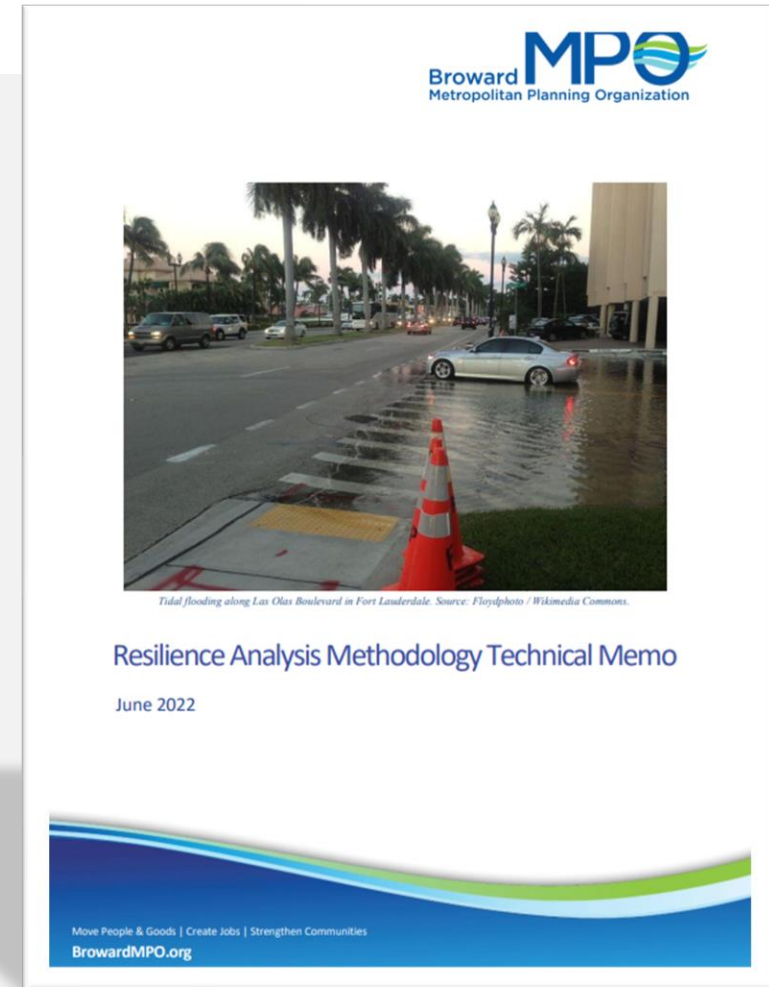
- A** E Las Olas Blvd from US-1/SR-5 to SR-A1A
- B** US-1/SR-5 from E Las Olas Blvd to SR-736/Davie Blvd
- C** US-1/SR-5 from SR-842/Broward Blvd to E Las Olas Blvd
- D** Johnson St from US-1/SR-5 to N 14th Ave
- E** SR-820/Hollywood Blvd from US-1/SR-5 to SR-A1A
- F** SR-858/Hallandale Beach Blvd from US-1/SR-5 to SR-A1A
- G** SR-A1A from S of Arizona St to SR-858/Hallandale Beach Blvd
- H** US-1/SR-5 from SR-824/Pembroke Rd to SR-858/Hallandale Beach Blvd



# Resiliency Framework - Purpose

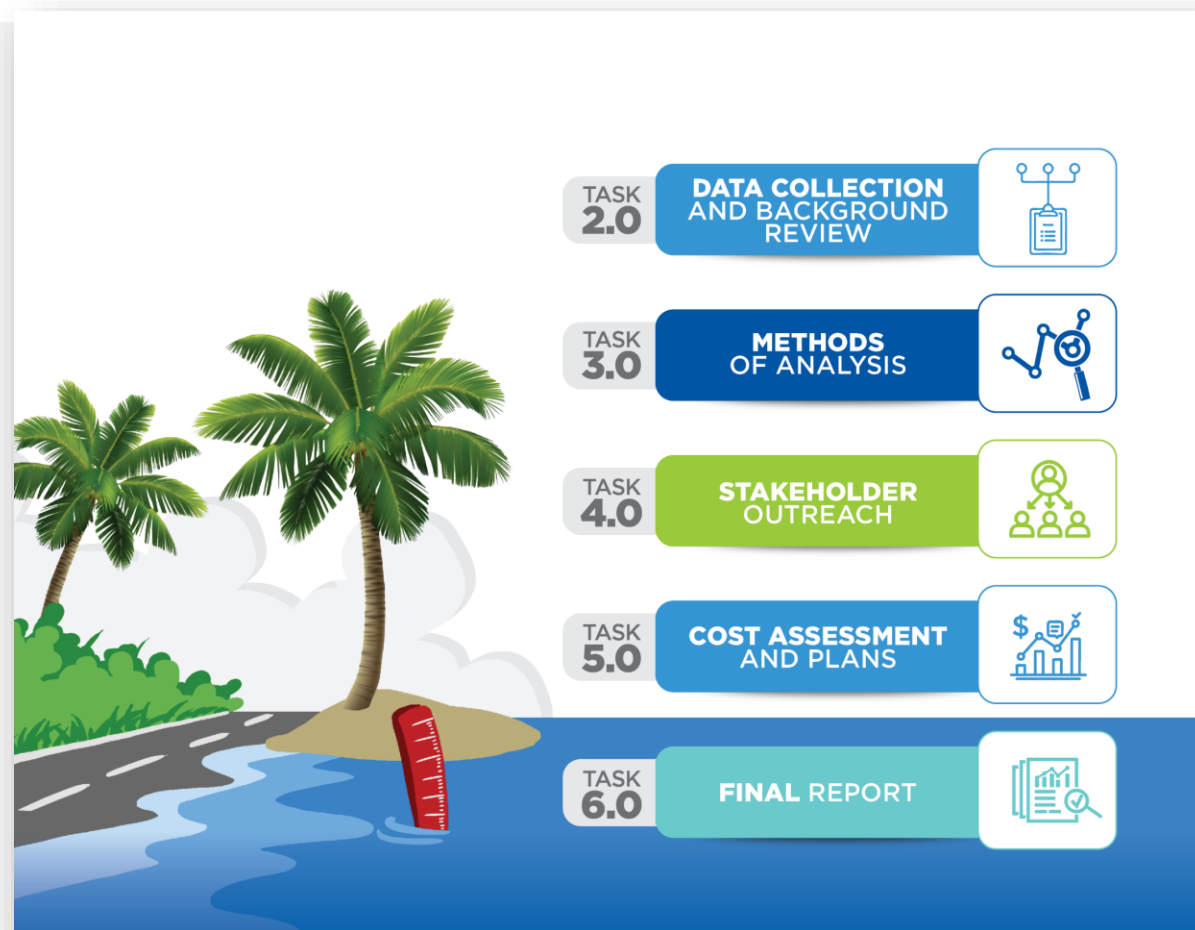
Develop a framework to further enhance transportation resilience, identify and address network vulnerabilities from climate change, and to support incorporation of preparedness into project planning, design, and construction.

Enhance and further incorporate transportation resiliency into the MPO's 2050 Metropolitan Transportation Plan (MTP) and the future efforts of our partners.



# Resiliency Framework – Development Process

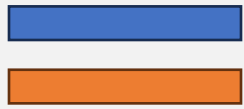
- **Builds upon prior resiliency work**
- **Technical Working Group**
  - FDOT District 4
  - South Florida Water Management District
  - South Florida Regional Planning Council
  - Florida Atlantic University
  - Broward County
  - Cities of Fort Lauderdale, Hallandale Beach, and Hollywood
- **MPO Board Endorsement (2/9/2023)**



# Resiliency Framework



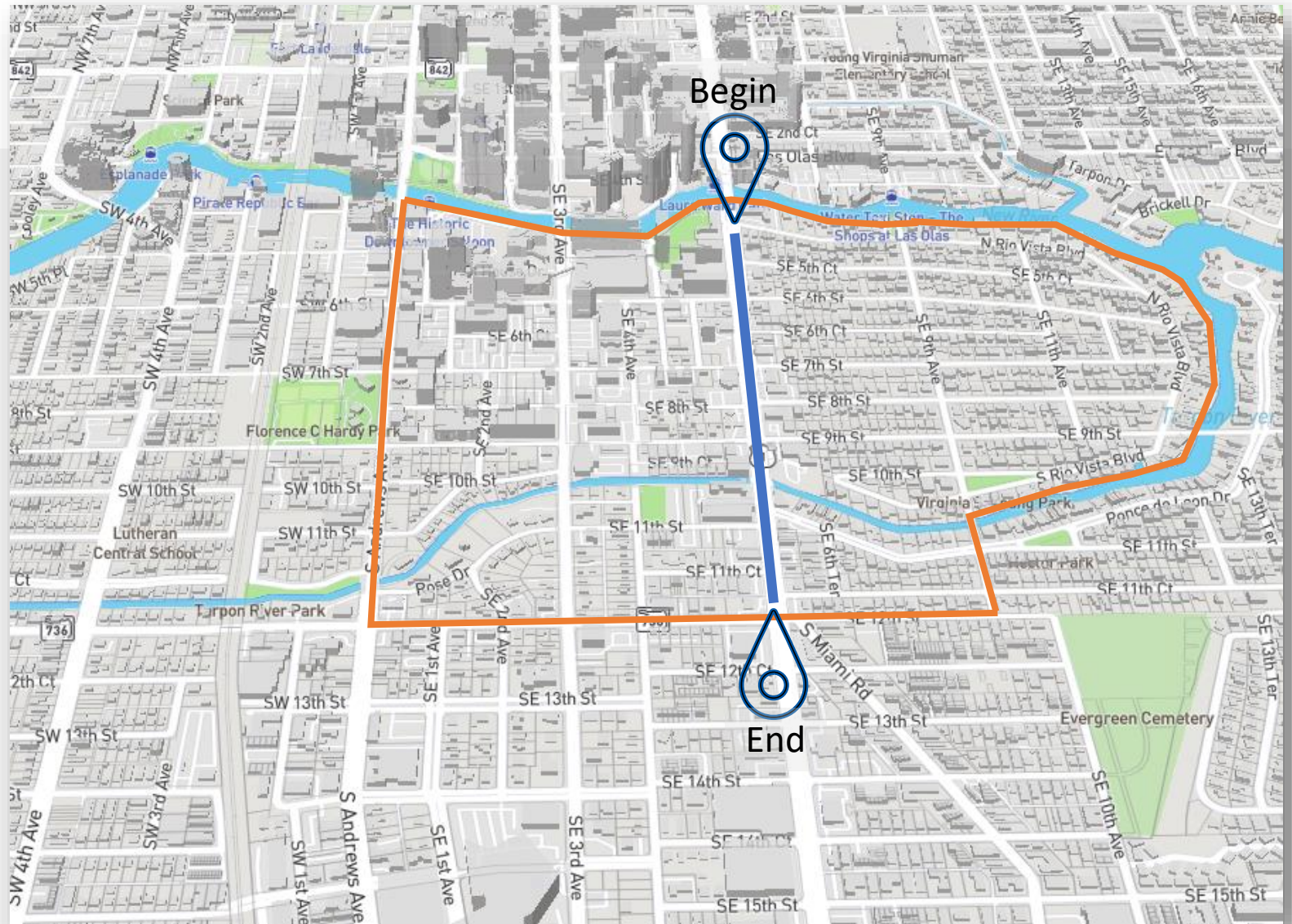
# FEDERAL HIGHWAY Influence Area



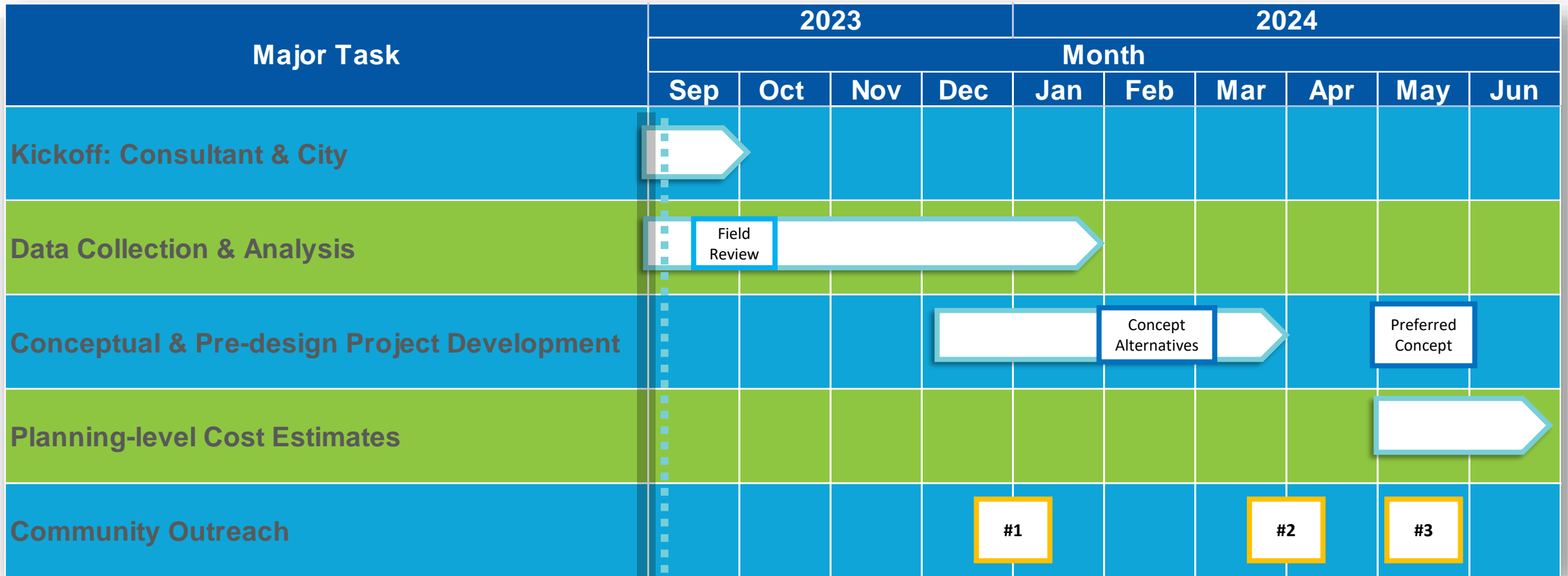
**Study Area**

**Influence Area**

- Rio Vista Civic Association
- Downtown Fort Lauderdale Civic Association
- Stormwater MP projects outside of the influence area might be evaluated for impact.



# Draft Schedule



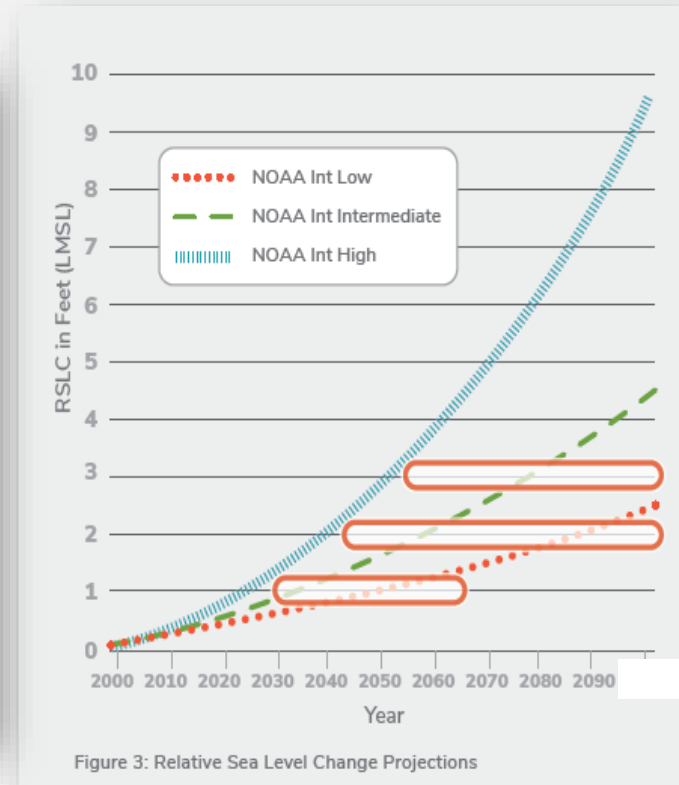
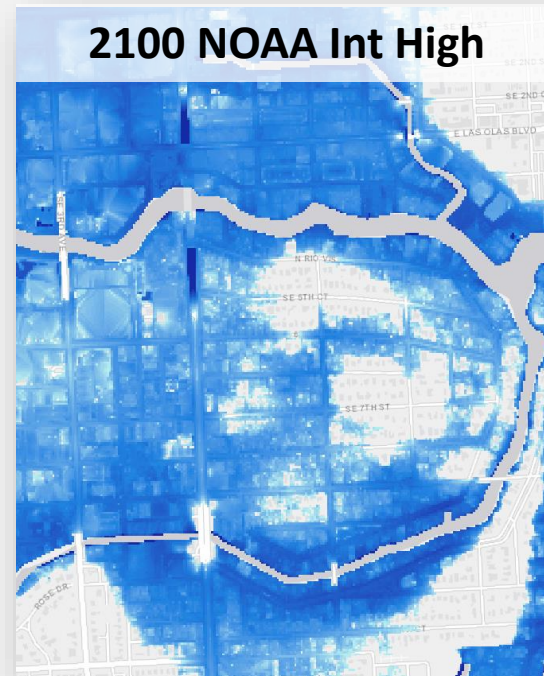
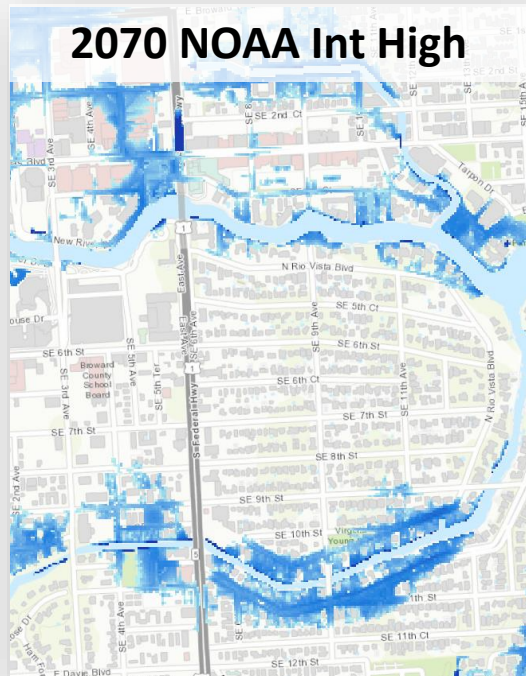
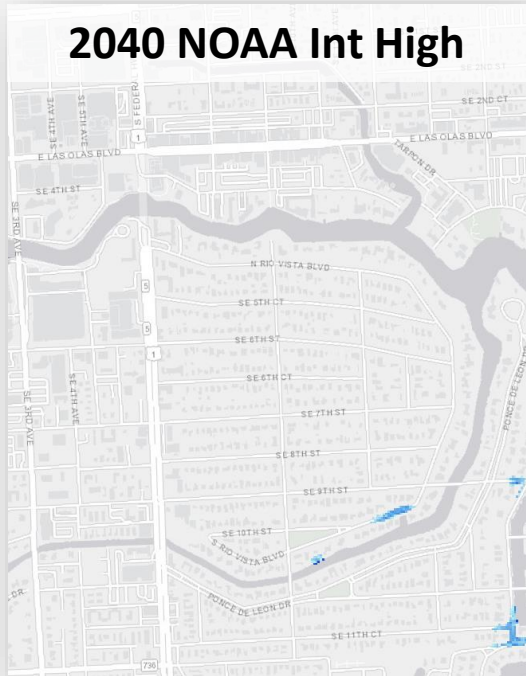
Meeting #1: Community Goals and Identification of Issues / Concerns

Meeting #2: Presentation of Conceptual Alternatives Community Feedback

Meeting #3: Presentation of Preferred Conceptual Alternative / Community Feedback / "Buy-in"

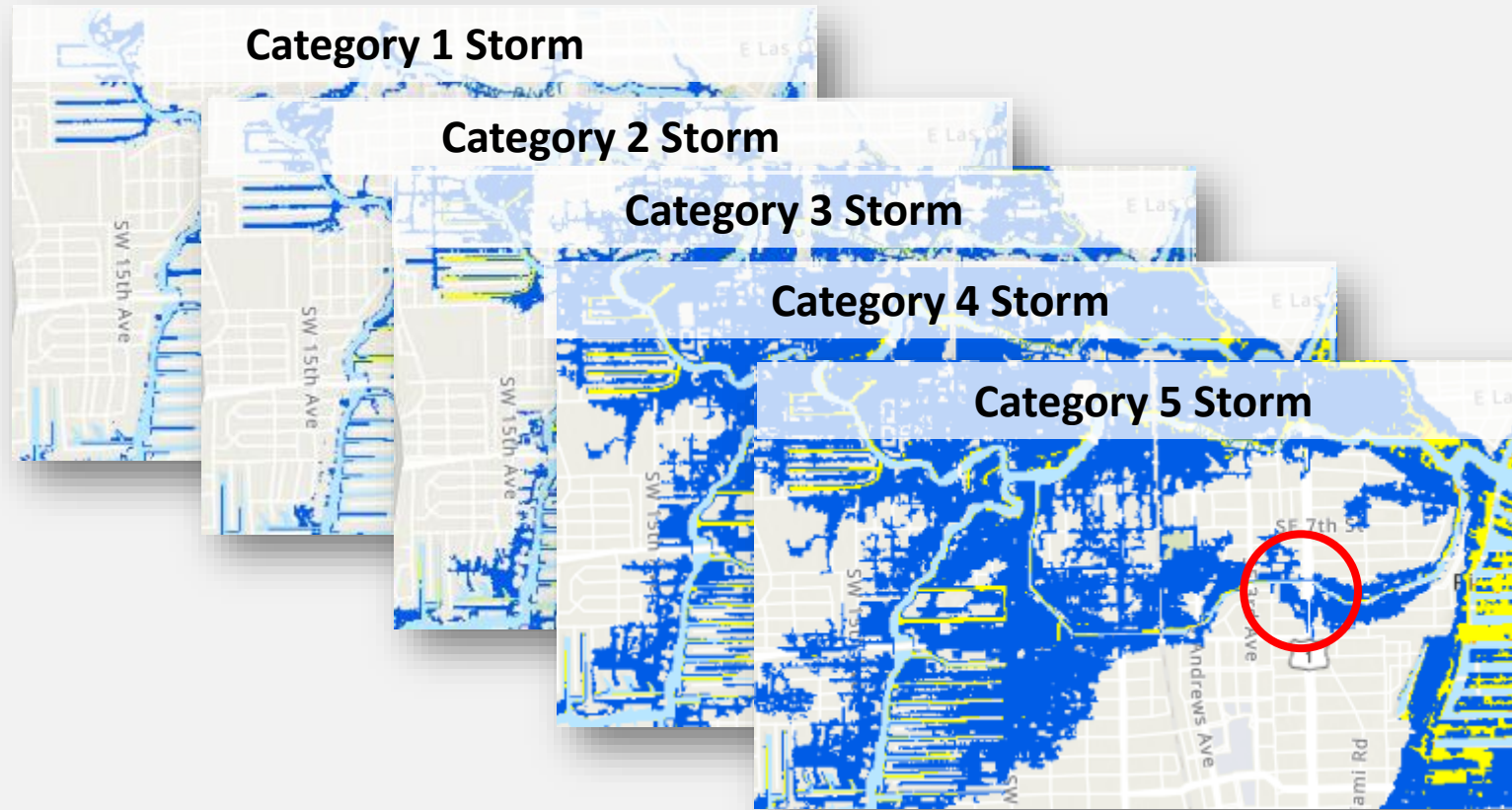


# Federal Highway – Sea-level Rise



# Federal Highway – Storm Surge

National Hurricane Center Storm Surge Risk Maps



# US1 FORT LAUDERDALE

## Data Collection, Field Review

### **Request for Information** (*FDOT, City*)

- Survey with elevations
- Utilities- private and public
- List of planned and proposed Capital projects, policies within ½ mile of the corridor
- List of roadway assets

### **Climate Data**

- Extreme Rainfall
- Storm Surge with Sea-Level Rise
- Tidal Flooding with Sea-Level Rise
- Groundwater Table with Sea-Level Rise
- Extreme Heat

### **Socio-Economic Data**

- 2020 Census data
- Climate and Economic Justice Screening Tool

### **Transportation Systems**

- Bus Stops
- Circulator and Transit Routes

**During field review we will assess the elevation of critical components**

# Deliverables

- **Tech Memo #1** (Steps 1-3)
  - Stressors, Risk, & Impacts Analysis
  - Public Meeting #1: December/January (City Facility)
- **Tech Memo #2:** (Steps 4-6)
  - Indicators, Assets, Root Cause Analysis & Preliminary Concepts
  - Public Meeting #2: March/April 2024 (City Facility)
- **Tech Memo #3:** (Steps 7-8)
  - Strategies, Considerations, Cost Benefit Analysis, Final Concepts
  - Public Meeting #3: May 2024 (City Facility)
- **Program Ready Project** (Step 9)
  - Project scope, cost estimates, documentation of coordination with stakeholders & public
  - City's Resolution of Support

Review period of  
2 weeks for each  
draft deliverable

# Next Steps

## Data Collection

- Current and Ongoing

## Field Review

- September or October 2024

## Stakeholder Meeting

- Prior to each Public Meeting
  - Nov/Dec
  - Feb/Mar
  - April/May

## Public Meetings

# Questions?

**Levi Stewart-Figueroa**  
Senior Transportation Planner  
[stewartl@browardmpo.org](mailto:stewartl@browardmpo.org)  
(954) 876-0079