





**Project Requirements Form USDOT  
CREATE UTC Contract Number 69A3552348330  
Center Lead: Texas State University; Texas State University**

**Outcomes/Impacts:** This tool will provide broader impacts on regional and local societies by empowering decision-makers with the information needed to formulate equitable responses to potential flooding scenarios and enabling them to identify the critical links, spots, or zones in coastal areas, especially in underserved communities. By providing detailed, location-specific data, this map will enable proactive maintenance and timely interventions, thereby improving the safety, reliability, and durability of transportation systems. Additionally, the tool can contribute to cost savings by identifying vulnerable areas before major damages occur, allowing for more efficient allocation of resources. While this research will focus on Galveston, TX, as a testbed, the research framework is expected to apply to other coastal regions in the U.S. and worldwide.

**Final Research Report:** URL to final Report will be provided upon completion.