





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

full-scale efficacy. We will also engage state and local bridge owners to explain the market and potential benefit of this technology concurrently with the research project.

**Outcomes/Impacts:** Bridge scour is the number one cause of bridge failure. The outcome/impact of mitigating or eliminating bridge scour using SEAHIVE® elements is enhanced bridge durability. Numerous drivers have perished due to bridge scour when the bridge failed while in use. The use of SEAHIVE® elements to mitigate bridge scour would also result in significant cost savings by reducing unnecessary foundation depths due to predicted scour, removing the need for rapid scour stabilization, and/or bridge repairs following structural deficiency ratings.

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