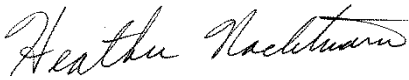


Submission Date: 01/26/2024
Lead Recipient/Grant Number: University of Arkansas / 69A3552348331
Principal Investigator Institution: Jackson State University
Center Name: Maritime Transportation Research and Education Center
USDOT Research Priority: Preserving the Existing Transportation System
Primary USDOT Strategic Goal (<i>select drop down</i>): Equity
Principal Investigator(s) with ORCID(s) and Contact Information: <i>Indicate lead PI</i>
Project Partners: <i>Mississippi Department of Transportation, Federal Highway Administration</i>
Project Type (<i>select drop down</i>): Education and Workforce Development
Project Research Topic Type (<i>select drop down</i>): Maritime Sustainable and Resilient Infrastructure
Transportation Modes Involved (<i>check all that apply</i>): <input type="checkbox"/> Waterway <input type="checkbox"/> Road <input type="checkbox"/> Rail <input type="checkbox"/> Pipeline <input checked="" type="checkbox"/> Other
Research Project Funding: <i>\$16,666 from FWHA/MDOT, \$25,300 from MarTREC, Total Amount: \$41966</i>
Project Start and End Dates (04/01/2024 to 10/31/2024)
Project Title: Mississippi Summer Transportation Institute -2024
Project Abstract (Brief Description): <i>The MSTI Program aims at introducing a diverse group of motivated pre-college students (10th to 12th grade) to the transportation industry. During the two-week program, students will participate in academic and enhancement activities designed to improve their skills in Science, Technology, Engineering, and Mathematics (STEM) and leadership.</i>
USDOT Priorities: <i>The Summer Transportation Institute aims to introduce a diverse group of motivated high school students into the transportation industry.</i>
Outputs (results of the work performed): <i>Jackson State University hosted the NSTI Program for more than 10 years (2009 –2023) with the support from Mississippi Department of Transportation (MDOT) and FHWA. Based on feedback received from participants, parents and the community, these programs successfully influenced students’ perception and knowledge of the importance of pursuing studies in STEM disciplines for future careers in transportation. Many students study Civil Engineering major at JSU. We will continue to build on our previous experiences and successes while expanding our horizon to make the next MSTI program even better.</i>
Outcomes/Impacts: <i>The high school students will participate in academic and extra-curricular activities designed to improve their Science, Technology, Engineering, and Mathematics (STEM) knowledge and leadership skills. Furthermore, the MSTI Program strives to:</i>
<input checked="" type="checkbox"/> <i>Increase students’ awareness of transportation rules, regulations and safety</i>
<input checked="" type="checkbox"/> <i>Enhance students’ understanding of transportation related topics and challenges.</i>
<input checked="" type="checkbox"/> <i>Inspire students’ interests in transportation industry</i>
<input checked="" type="checkbox"/> <i>Expose students to a variety of transportation career opportunities</i>
<input checked="" type="checkbox"/> <i>Improve students’ creative, analytical and problem-solving skills</i>
<input checked="" type="checkbox"/> <i>Develop students’ interpersonal and leadership skills</i>
<input checked="" type="checkbox"/> <i>Provide college and career guidance</i>

Technology Transfer Activities: <i>All the camp materials and activity handout will be shared with general public. A report will be submitted to MARTEC within 4 weeks after the project ends</i>
Final Research Report: Upon completion of the project, provide a URL link to final report will be provided
Project Deliverables: <input checked="" type="checkbox"/> PI agrees to submit all deliverables within 4 weeks after the project end date.
Data Management Plan (DMP): <input checked="" type="checkbox"/> PI has reviewed and agrees to adhere to MarTREC DMP. Proposed project DMP must be attached to the submission email along with this form.
Center Director Approval Signature and Date:  01/31/24