

UTC Project Information	
Project Title	ASSESSING AND ADDRESSING DEFICIENCIES IN THE HCM WEAVING SEGMENT ANALYSES, PART II (Project J5)
University	Team: North Carolina State University/ITRE and University of Florida
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Funding Source(s) and Amounts Provided (by each agency or organization)	STRIDE: \$123,301
Total Project Cost	\$123,301
Agency ID or Contract Number	69A3551747104
Start and End Dates	April 1, 2021 to April 30, 2022
Brief Description of Research Project	<p>This project describes Phase II of Project K2, titled Assessing and Addressing Deficiencies in the HCM Weaving Segment Analyses. Phase I of this project was limited to the analysis of simple, ramp weaves. It included new data collection at 15 sites in the Southeast and Western US, and a new speed predictive model that avoids much of the complexities in the HCM6 method. The model was found to yield more accurate speed predictions than the current HCM6 methodology. Phase II will extend the work to major weaves. As part of the original Phase I data collection, the research team had already collected volume and geometry data for 14 Type B sites which were not used in that phase. In addition, the team has access to the original NCHRP 03-75 database, which included another 10 Type B weaves. As a result, there will be no new data collection for this weaving configuration in Phase II. . The team proposes to collect a limited set of new data in North Carolina (5-6 sites) for Type C weaving configuration, in order to cover all weaving configurations and enabling the development of new HCM material that is comprehensive across all weaving types.</p>
Describe Implementation of Research Outcomes (or why not implemented)	Not available yet.
Place Any Photos Here	

Impacts/Benefits of Implementation (actual, not anticipated)	Not available yet.
Web Links <ul style="list-style-type: none">• Reports• Project website	https://stride.ce.ufl.edu/stride-project-j5/