

Grant Deliverables and Reporting Requirements for UTC Grants (November 2016)

EXHIBIT F

UTC Project Information	
Project Title	High-Speed Rail in the US: The Intention to Use and Mode Choice Behavior - Additional Funding Opportunity
University	Embry-Riddle Aeronautical University
Principal Investigator	Jing Yu Pan
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Funding Source(s) and Amounts Provided (by each agency or organization)	Federal funds: \$17,220 ERAU matching: \$8,610
Total Project Cost	\$25,830
Agency ID or Contract Number	69A3551747125
Start and End Dates	Start: June 1 st , 2023 End: December 31 st , 2023
Brief Description of Research Project	<p>Previous studies of HSR pointed to the importance of environmental factors, but there lacked a consensus on the nature of their impact, especially with respect to travelers' mode use decisions. Environmental research in the context of HSR is important in the US, given the increasing recognition of eco-friendly transportation. Previous studies suggested that environmental impacts may be difficult for average travelers to perceive, and US travelers are more likely to base their mode decisions on cost and time factors. Therefore, examining the impact of environmental factors is imperative to understand HSR development from users' perspectives. This is especially important in the US where HSR is still a new phenomenon.</p> <p>In this project, additional development and data analysis will be conducted to gain deeper insights in the behavioral intention to use HSR in the US, which adds to the overall contribution of HSR Project 2021. This objective will be achieved by testing additional/multiple relationships between</p>

	environmental (and potentially informational) factors and the HSR use intention.
Describe Implementation of Research Outcomes (or why Not implemented) Place Any Photos Here	The US is playing an active role in reducing transport emissions to mitigate the impact of climate change. There is a clear message that the US is moving toward a sustainable transport system with the use of cleaner energy. The government agency can use the findings of this study to better understand the environmental considerations of average travelers in the US, which can help optimize policymaking regarding HSR development in the US. The findings can also be useful for other transport modes – especially car and air – to understand possible market change and develop strategies to compete with high-speed rail in high demand markets.
Impacts/Benefits of Implementation (actual, not anticipated)	The additional research can enhance the understanding of HSR use in the US, where the development of HSR is still at an early stage. The findings can contribute to the knowledge of the environmental factors that may influence the use of HSR, providing practical implications for the US to move toward a sustainable transport system.
Web Links <ul style="list-style-type: none"> • Reports • Project Website 	N/A



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