

UTC Project Information	
Project Title	MPC-673 – Multimodal, Multistate Corridor Modeling for Long-Distance Movements of Food and Containerized Goods
University	North Dakota State University
Principal Investigator	Alan Dybing, Ph.D. Pan Lu, Ph.D. Denver Tolliver, Ph.D.
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Funding Source(s) and Amounts Provided (by each agency or organization)	<p>USDOT, Office of the Assistant Secretary for Research and Technology \$457,728</p> <p>North Dakota State University \$457,728</p>
Total Project Cost	\$915,456
Agency ID or Contract Number	69A3551747108
Start and End Dates	October 21, 2021 to July 31, 2022
Brief Description of Research Project	The purpose of this project is to develop an archetypal model for a lengthy freight corridor (comprised of many jurisdictions) that can be used for capacity, performance, and investment analysis. Uses of the model will be illustrated, along with its limitations and desired data improvements. The potential for transference to other corridors and settings will be discussed, as well as suggestions for future model development. While the same modeling approach can be used for many commodities and types of flows, this project will focus on food, energy-related, and container traffic. These primary flows are critical to global trade, economic development, and food security.

Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	
Web Links <ul style="list-style-type: none">• Reports• Project Website	