## **EXHIBIT F**

UTC Project Information	
Project Title	Modeling Future Outbreaks of COVID-19 Using Traffic as Leading Indicator
University	Embry-Riddle Aeronautical University
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Funding Source(s) and Amounts Provided (by each agency or organization)	Center for Advanced Transportation Mobility & USDOT, and Embry Riddle Aeronautical University (match)
Total Project Cost	\$150,000
Agency ID or Contract Number	69A3551747125
Start and End Dates	11/01/2020 - 10/31/2021
Brief Description of Research Project	The movement of people is inherently connected to the spread of viral diseases. Infected individuals expose others as they travel between home, work, school, shopping, and recreation destinations. Understanding the relationship between social/economic activity and the spread of COVID-19 could prove invaluable, as the nation looks to reopen. Unfortunately, some states that reopened first are experiencing spikes in COVID-19 cases. For example, Florida, which entered Phase 1 of the reopening process on May 18, 2020, recorded significant increases in the daily number of COVID-19 cases approximately two weeks later and by June 9th saw the highest single day increases in positive cases. Prior research has demonstrated how drastic changes in human behavior can be measured using highway volume data as a representation of personal activity. As states begin to reopen, it would appear that increases in highway traffic might be a leading indicator of where and when outbreaks of COVID-19 are likely to occur. This research will investigate and model the relationship between roadway traffic and viral outbreaks. The traffic informed SIR model developed by this research will help identify where and when second wave outbreaks are likely to occur and assist in the planning of recovery effort.

Describe Implementation of Research Outcomes (or why Not implemented)  Place Any Photos Here	Forthcoming
Impacts/Benefits of Implementation (actual, not anticipated)	Forthcoming
Web Links  Reports Project Website	Forthcoming



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