

UTC Project Information – Project #4-10	
Project Title	Road Salt Impact Assessment (Safety Study)
University	University of Maine
Principal Investigator	Jonathan Rubin
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Funding Source(s) and Amounts Provided (by each agency or organization)	
Total Project Cost	\$66,435.14 (UTC share) + 103,637.00 (DOT share)
Agency ID or Contract Number	
Start and End Dates	Aug 15, 2020 to Dec 31, 2021
Brief Description of Research Project	The proposed study supports a project sponsored by Maine DOT titled as “Road Salt Impact Assessment.” Winter weather and maintenance treatments have significant impact on highway safety and operations. Understanding the safety impact of these factors directly influence decisions on diminishing maintenance funds, and cost-benefit analysis of alternative maintenance strategies. This research will conduct exploratory analysis of fatal (K), injury (ABC), and property damage only (PDO) crashes in Maine. Models will be developed to explore to what extent seasonal (i.e., winter vs. non-winter) and monthly weather factors impact frequency of lane departure crashes in Maine. The proposed research will also analyze the impact of different roadway, driver, and weather factors on the severity of single-vehicle lane departure crashes on rural roadways in Maine.
Describe Implementation of Research Outcomes (or why not implemented)	To be completed after actual implementation has occurred
Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	To be completed after actual implementation has occurred
Web Links <ul style="list-style-type: none"> • Reports • Project website 	