

UTC Project Information	
Project Title	MPC-693 – Pedestrian Safety and Traffic Operations Near Transit Stops
University	Utah State University
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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 \$70,000.00</p> <p>Utah State University – \$61,615.72 Utah Transit Authority, Utah DOT – \$20,000.00</p>
Total Project Cost	\$151,615.72
Agency ID or Contract Number	69A3551747108
Start and End Dates	October 7, 2022 to July 31, 2024
Brief Description of Research Project	<p>Pedestrian injuries and fatalities are increasing (in both number and share), nationally and in Utah. According to a recent report from the Governors Highway Safety Association, pedestrian fatalities have increased by around 50% over the last 10 years and now represent 17% of all traffic deaths. As vulnerable road users, pedestrians are more likely to be injured or killed when involved in a collision. Past research has shown that pedestrian crashes are more frequent at intersections with transit stops. A recently completed UDOT (Utah Department of Transportation) project found that pedestrian crashes are more frequent particularly at intersections with far-side transit stops. The objectives of this research project are to investigate the impacts of transit stops on pedestrian safety and traffic operations at intersections and provide recommendation for improving both. Video will be used to collect pedestrian and vehicular behavioral data at intersections with transit stops. In conjunction with operations and environmental data, statistical modeling will be used to identify factors impacting safety and traffic operations at these locations. Recommendations may include but are not</p>

	limited to: changes to transit stop placement, implementation of crossing protections near transit stops, changes in intersection design/geometry, changes in intersection operations, etc.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	The findings and recommendations of this research are being communicated to transportation stakeholders in Utah, including the Utah Transit Authority and the Utah Department of Transportation. Insights may be used to reconsider the design and/or placement of transit stops near intersections.
Impacts/Benefits of Implementation (actual, not anticipated)	This research offers recommendations about improving both pedestrian safety and traffic operations at signalized intersections with (near-side and/or far-side) transit stops, through both stop location and intersection/stop design and operations. By carefully considering the safety and operational tradeoffs in each situation -- and deciding the relative priority of safety and operational outcomes -- agencies can hopefully improve pedestrian safety while ensuring efficient transit and traffic operations.
Web Links <ul style="list-style-type: none"> • Reports • Project Website 	<ul style="list-style-type: none"> • MPC Final Report – Pedestrian Safety and Traffic Operations Near Transit Stops