

Grant Deliverables and Reporting Requirements for UTC Grants

<b>UTC Project Information</b>	
Project Title	Tracking Shoreline Conditions to Protect Infrastructure
University	University of California Davis
Principal Investigator	Fraser Shilling
PI Contact Information	<a href="mailto:fmshilling@ucdavis.edu">fmshilling@ucdavis.edu</a> 530-752-7859
Funding Source(s) and Amounts Provided (by each agency or organization)	USDOT: \$59,705 UCD: \$30,272
Total Project Cost	\$89,977
Agency ID or Contract Number	Sponsor Source: Federal Government CFDA #: 20.701 Agreement ID: 69A3551747119
Start and End Dates	■ Start date: 1/1/2018 ■ End date: 12/31/2018
Brief Description of Research Project	Recognizing the massive values at stake along US shorelines from sea level rise, we propose to develop new approaches for tracking shoreline changes. We propose to adapt newly emerging UAV-based elevation mapping to use on shorelines, in order to conduct high spatial and temporal resolution tracking of infrastructure and shoreline conditions. Research products will include: 1) a demonstration of high-resolution terrain-mapping methods for quantifying shoreline flooding event impacts on coastal infrastructure and adjacent ecosystems, and 2) description of how this information could be used to validate previously un-validated sea level rise models and inform coastal hazard-adaptation planning for shoreline infrastructure.
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"><li>• Reports</li><li>• Project website</li></ul>	