

Grant Deliverables and Reporting Requirements for UTC Grants

UTC Project Information	
Project Title	Impacts of COVID-19 on Transportation Engineering Education and Research
University	The University of Texas at El Paso
Principal Investigator	Kelvin Cheu
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Funding Source(s) and Amounts Provided (by each agency or organization)	CTECH: \$11,098 UTEP: \$5,584
Total Project Cost	\$16,682
Agency ID or Contract Number	Sponsor Source: Federal Government CFDA #: 20.701 Agreement ID: 69A3551747119
Start and End Dates	Start date: 4/01/2020 End date: 09/30/2020
Brief Description of Research Project	<p>Since March 2020, most universities in the United States cancelled in-person classes, meetings and suspended travel in order to slow down the spread of COVID-19. Faculty members were given very short notice in the middle of the Spring semester to change from in-person instruction to online teaching and research activities. The objective of this research is to survey transportation faculty members on the changes in teaching and research practices during the Spring semester of 2020, to document and share the experiences and challenges.</p> <p>The proposed tasks are:</p> <ul style="list-style-type: none"> • Task 1: Design, test and refine an online survey instrument in QuestionPro, and apply for Institutional Review Board (IRB) approval. • Task 2: Build an email list of transportation faculty in the United States based on the public information posted at university websites. • Task 3: Implement the survey by sending email invitations to the faculty list compiled in Task 2.

	<ul style="list-style-type: none"> • Task 4: Analysis of the survey responses. • Task 5. Report the findings in a TRB paper and a project report. <p>Outputs: The expected outputs of this research are the survey instrument, survey results, a TRB paper and a project report.</p> <p>Outcome: The findings will enable faculty to learn from the experience of colleagues in other institutions and improve their teaching and research practices to better meet the challenges.</p> <p>Impacts: The shared information could potentially impact faculty in universities across the country in making transportation engineering education more accessible and lessening the negative impacts of COVID-19 on transportation research. The TRB paper will be a valuable resource for the university administrators to device policies to prepare for future pandemics.</p>
<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	<p>The findings will be written into a paper for possible presentation at the 2021 TRB Annual Meeting and publication in the Transportation Research Record. It is up to the individual faculty to adjust his/her teaching methodology and management of research that fits each institution’s setting and policy.</p>
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	<p>Too early to tell.</p>
<p>Web Links</p> <ul style="list-style-type: none"> • Reports • Project website 	<p>https://ctech.cce.cornell.edu/final-project-reports/</p>