


Grant Deliverables and Reporting Requirements for UTC Grants

UTC Project Information	
Project Title	Characterization of University Parking Systems
University	The University of Texas at El Paso
Principal Investigator	Kelvin Cheu
PI Contact Information	rcheu@utep.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	USDOT: \$25,000 Local match (El Paso MPO): \$12,500
Total Project Cost	\$37,500
Agency ID or Contract Number	Sponsor Source: Federal Government CFDA #: 20.701 Agreement ID: 69A3551747119
Start and End Dates	Start date: 1/16/2017 End date: 9/30/2018
Brief Description of Research Project	<p>Most universities are challenged by having limited land resources, including parking stalls, to serve an increasing number of students, faculty members, staff and visitors. The common parking management strategies include supply management (e.g., construction of more stalls, controlling the stall usage) and demand management (e.g., permit pricing and encouraged use of transit). The supply and demand management policies are implemented by zoning of parking lots (allocation of stalls to different types of users), differentiation of permits and pricing, preferential treatment (e.g., for carpool vehicles), etc. In this project the researchers have (1) reviewed the parking policies and management practices on Cornell, UCD, USF and UTEP campuses; (2) identified intelligent transportation systems and innovative applications on parking at the four campuses; (3) proposed an analysis framework to evaluate parking policy on community health, based on the hybrid VISSIM–CMEM approach, and used the UTEP campus as the demonstration example.</p>

<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	<p>This project has enabled the PI and his team to gain a good understanding of the state of research and practice on parking on university campuses. Arising from this research, the team has extended the parking research by collecting data from more than 300 universities, developed parking demand and pricing models, and presented a paper at the 2019 TRB Annual Meeting. This project has also attracted the attention of UTEP's President Office, which is assisting the PI in collecting disaggregated student data for future research.</p>
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	<p>None at this point in time.</p>
<p>Web Links </p> <ul style="list-style-type: none">• Reports• Project website	<p>http://ctech.cce.cornell.edu/final-project-reports/</p>