



UTC Project Information – <b>Center for Transportation, Environment, and Community Health</b>	
<i>Project Title</i>	Exploring the Characteristics of Faculty and Staff Parking on University Campuses
<i>University</i>	The University of Texas at El Paso
<i>Principal Investigator</i>	Ruey Long Cheu
<i>PI Contact Information</i>	<a href="mailto:rcheu@utep.edu">rcheu@utep.edu</a> /914-747-5717
<i>Funding Sources and Amount Provided (by each agency or organization)</i>	USDOT: \$84,044 UTEP College of Engineering: \$42,022
<i>Total Project Cost</i>	\$126,066
<i>Agency ID or Contract Number</i>	Sponsor Source: Federal Government CFDA #: 20.701 Agreement ID: 69A3551747119
<i>Start and End Dates</i>	10/01/2020 – 09/30/2021
<i>Brief Description of Research Project</i>	This project studied the characteristics of faculty and staff parking on university campuses. This project had two parts. Part one reviewed the faculty and staff parking management at four universities: Cornell University, University of California, Davis, University of South Florida, and The University of Texas at El Paso. The spatial distributions of parking zones, types of permits, and permit fees for faculty and staff were compared. Part two developed a faculty and staff annual median permit fee model called the faculty and staff base price model using campus land-use, demographics, and economic and climate data gathered from 213 universities. A faculty and staff base price mode, as a linear function of the log of city’s population, average Fall temperature, in-state tuition fee, number of employees and campus population density, has been developed using the Tobit regression technique. The model developed has been applied to four universities in a case study.
<i>Describe Implementation of Research Outcomes (or why not implemented)</i>  <i>Place Any Photos Here</i>	The Principal Investigator (PI) will be sharing the findings with Parking and Transportation Services at The University of Texas at El Paso. The PI had planned to present the results at the annual meeting of the Campus Parking and Transportation Association, originally planned to take place in College Station, Texas in October 2021. It was postponed until further notice due to health concerns associated with the Covid-19 pandemic.  The development of the base price model (Part two of this project) has been written into a paper submitted for the presentation at the TRB Annual Meeting as well as for publication in the Transportation Research Records:

	Journal of the Transportation Research Board.
<i>Impacts/Benefits of Implementation (actual, not anticipated)</i>	For the first time, universities across the country have a guide on the various policies to manage faculty and staff parking on campus. They also have a model to estimate the base price of faculty and staff parking permits, as a starting point to determine final permit prices.
<i>Web Links</i> <ul style="list-style-type: none"><li>• <i>Reports</i></li><li>• <i>Project website</i></li></ul>	<a href="http://ctech.cee.cornell.edu/final-project-reports">http://ctech.cee.cornell.edu/final-project-reports</a>