



UTC Project Information – Cooperative Mobility for Competitive Megaregions (CM²)

Project Title	Multi-Modal Modelling: BIM Templates for Hub Design and Networks
University	University of Texas at Austin
Principal Investigator	Danelle Briscoe
PI Contact Information	briscoed@utexas.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	U.S. Department of Transportation: \$52,678.46 University of Texas at Austin: \$26,339.23
Total Project Cost	\$79,017.69
Agency ID or Contract Number	UTDOT Grant number: 69A3551747135
Start and End Dates	9/1/2017 - 9/30/2019
Brief Description of Research Project	<p>This project aims to provide specialized research into the application of Building Information Modeling (BIM) technology for megaregion mobility, offering recommendations on strategic transportation design and planning methodology for smart infrastructure and multi-modal transit hub design.</p> <p>Through the development of a BIM 3D database template, this study would become an important reference to USDOT or private service providers in their future efforts to multi-modal services, ultimately effecting informed policy-making.</p>
Describe Implementation of Research Outcomes (or why not implemented)	<p>Dr. Briscoe presented a paper in the BLACK BOX: Articulating Architecture's Core in the Post-Digital Era 2019 ACSA 107th Annual Meeting at Pittsburgh, Pennsylvania titled "Multi-Modal Mingling: Queering BIM through Transportation Hub Design and Networks".</p> <p>Dr. Briscoe published a paper titled 'Queering BIM: A Changing Narrative to Digital Objects' in the Journal of Architectural Education, Vol 73:2.</p>
Impacts/Benefits of Implementation (actual, not anticipated)	<p>Dr. Briscoe has developed the new design methodology to work within BIM platform for transportation. The BIM design template is a resourceful tool for user-based scenarios as a starting point in the design process of an actual hub, with set relationships / groups / categories of elements.</p>
Web Links (to reports, project website, etc.)	https://doi.org/10.1080/10464883.2019.1633200