

Civil and Environmental Engineering

Present

Accommodating Freight and Emergency Vehicles on Complete Streets

Speaker:

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This presentation will discuss the content of a recently developed guidebook, *Considerations for Freight and Emergency Vehicles in Complete Streets Design*, which was developed through a project funded by the New York State Energy Research Development Authority. Despite their critical importance to the health, livelihood, and economic activity of communities, freight and emergency vehicles are often overlooked or treated as nuisance modes in multi-modal street design. Yet, failure to account for these modes can result in counter-productive congestion and safety outcomes, or even in project derailment. This guidebook was developed to assist planners and engineers to identify freight and emergency vehicle challenges during the design phase of projects. The document aims to provide a comprehensive introduction to freight and emergency vehicle operations in livable communities, to identify the common challenges that these vehicles types face, and to identify design, operational, regulatory, and demand management solutions to address these challenges and reduce negative externalities. The guidebook integrates information from a detailed survey of 10 US cities and from an international review of practical solutions.

Bio:

Dr. Alison Conway is an Associate Professor in the Department of Civil Engineering at the City College of New York and the Associate Director for Education at the Region 2 University Transportation Research Center (UTRC). She is also a member of the research team for METROFreight, a Volvo Research and Education Foundations Center of Excellence in Urban Freight. Her recent research focus has been in the areas of sustainable urban logistics and interactions between freight, passenger and non-motorized modes in livable communities. Dr. Conway holds Ph.D. and Master's degrees in Civil Engineering from the University of Texas at Austin and a Bachelor's of Civil Engineering from the University of Delaware. She currently chairs the ASCE Transportation and Development Institute's Freight and Logistics Committee and is the incoming chair of the Transportation Research Board's Freight Data Committee.

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