



CFIRE

Program Progress Performance Report: January 1, 2017 to June 30, 2017

February 2018

National Center for Freight & Infrastructure Research & Education
Department of Civil and Environmental Engineering
College of Engineering
University of Wisconsin–Madison

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Signature of submitting official:	Kerri L. Phillips

This report covers CFIRE's efforts to collaboratively address research, education, workforce development, and technology transfer under DTRT12- G-UTC19 during the reporting period of January 1, 2017 to June 30, 2017.

Accomplishments

Research Initiatives & CFIRE Projects

All of the research initiatives and CFIRE projects were completed by December, 2016.

Products

Publications

1. B. R. E. Zietlow, E. B. Perry, T. M. Adams, T. Sivappa, S. Walljasper. (2017). "Modal Diversion Estimates." TRR. J. of the Transportation Research Board. 2610: 54-66
2. Wang, X.B., X. Cao, K. Yin and T.M. Adams. (2017). "Modeling Vehicle Miles Traveled on Local Roads Using Roadway Spatial Structure." Networks and Spatial Economics. 17(3):713-735
3. Adams, T.M. and Hart, M. (2017). "Getting to the Future: Developing Career Pathways for Highway Maintenance Engineering" In proceeding, MAASTO Conference. Cleveland, OH. July 26-27.
4. Gong, Q. and T.M. Adams (2017). "Strategic Truckload Relay Network Design Considering Travel Time and Reliability." Paper # 17-06597. TRB Annual Meeting. Washington, D.C.
5. Adams, T.M. and M. Hart. (2017). "From Self to Community: The use of Powerful Questions at the Midwest Transportation Workforce Summit." Paper # 17-06865. TRB Annual Meeting. Washington, D.C.
6. Zietlow, B. R. E., E.B. Perry, T.M. Adams, S. Walljasper. (2017). "Assessing Wisconsin Shippers' Proximity to Rail." Paper # 17-04807. TRB Annual Meeting. Washington, D.C.
7. Oberhart, E., E. B. Perry, S. Marion, T.M. Adams and B. Zietlow. (2017). "Utilization of Vacant Urban Land for Truck Parking: An Evaluation of Feasibility." Paper # 17-05261. TRB Annual Meeting. Washington, D.C.
8. Juni, E. and T.M. Adams. (2017). "Two-stage Data Envelopment Analysis for Transportation Infrastructure Maintenance Management." Paper # 17-02484. TRB Annual Meeting. Washington, D.C.



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