Zhaoxiang He, MS, Ph.D. Candidate

CURRENT EMPLOYMENT

Ph.D. Student, Institute for Physical Infrastructure & Transportation (IPIT), University of Wisconsin-Milwaukee, Milwaukee WI
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EDUCATION

Ph.D. Candidate in Civil Engineering (Transportation), University of Wisconsin-Milwaukee, 2022 (Anticipated Graduation)
M.Sc. in Civil Engineering, South Dakota State University, 2015
B.S. in Civil Engineering, Southeast University, 2012

EXPERIENCE

Graduate Research Assistant   Aug 2016 – Present
Civil & Environmental Engineering
University of Wisconsin-Milwaukee, Milwaukee, WI

Graduate Research Assistant   Jan 2013 – July 2015
Civil & Environmental Engineering
South Dakota State University, Brookings, SD

SELECTED AWARDS AND HONORS

- 2019, Young Researcher Paper Award by TRB ANB20 Safety Data, Analysis and Evaluation Committee for the paper titled "Assessing surrogate safety measures using a safety pilot model deployment dataset".
- 2016, Martin Bruening Award of ITE Wisconsin (best paper award): Geospatial Analysis of Rural Emergency Medical Service Stations in South Dakota
- 2016, Lifesavers Conference Traffic Safety Scholarship Award, Lifesavers Conference on Highway Safety Priorities, April 3-5 in Long Beach, California, 2016
- 2014, Best Paper Award (Deborah Freund Paper Award) by TRB ANB70 Truck and Bus Safety Committee for the paper titled "Evaluation of Truck Impact Hazards for Interstate Overpasses".

STUDIES AND PUBLICATIONS:

1. He, Zhaoxiang, Xiao Qin, Ralph Renger, and Eric Souvannasacd. "Using spatial regression methods to evaluate rural emergency medical services (EMS)." *The American journal of emergency medicine* (2018).
2. He, Zhaoxiang, Xiao Qin, Pan Liu, and Md Abu Sayed. "Assessing surrogate safety measures using a safety pilot model deployment dataset." *Transportation research record* (2018): 0361198118790861.
3. He, Zhaoxiang, Xiao Qin, Yuanchang Xie, and Jianhua Guo. "Service Location Optimization Model for Improving Rural Emergency Medical Services." *Transportation Research Record* (2018): 0361198118791363.
4. Schneider, Robert J., Aida Sanatizadeh, Mohammad Razaur Rahman Shaon, Zhaoxiang He, and Xiao Qin. "Exploratory analysis of driver yielding at low-speed, uncontrolled crosswalks in Milwaukee, Wisconsin." *Transportation research record* (2018): 21-32.
5. Shaon, Mohammad Razaur Rahman, Robert J. Schneider, Xiao Qin, Zhaoxiang He, Aida Sanatizadeh, and Matthew Dreis Flanagan. "Exploration of pedestrian assertiveness and its

association with driver yielding behavior at uncontrolled crosswalks." *Transportation research record* (2018): 0361198118790645.

6. He, Zhaoxiang, Xiao Qin, Hao Wang, and Chad Comes. "Implementing Practical Pavement Management Systems for Small Communities: A South Dakota Case Study." *Public Works Management & Policy* (2017): 378-391.
7. He, Zhaoxiang, and Xiao Qin. "Incorporating a Safety Index into Pathfinding." *Transportation Research Record* (2017): 63-70.
8. Qin, Xiao, Zhaoxiang He, and Haifa Samra. "Needs Assessment of Rural Emergency Medical Services." *Transportation Research Record* (2015): 30-39.
9. Qin, Xiao, Zhao Shen, Nadim Wehbe, Shiling Pei, and Zhaoxiang He. "Evaluation of truck impact hazards for interstate overpasses." *Transportation Research Record* (2014): 1-8.
10. He, Zhaoxiang, Xiang Zhang, Qing Zhang, Zi-Yuan Pu, and Jian-Chuan Cheng. "Research on Advanced Intelligent Vehicle-mounted Device for Avoiding Rear-end Collision [J]." *Journal of Anhui University of Technology* (2012): 016.

SYNERGISTIC ACTIVITIES
Member, Institute of Transportation Engineers