Shauna Hallmark, PhD	
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EDUCATION

- PhD, Civil Engineering (Transportation), Georgia Institute of Technology, Atlanta, GA, 1999
- MS, Civil Engineering (Transportation), Utah State University, Logan, UT, 1996
- BS, Civil Engineering (Transportation), Brigham Young University, Provo, UT, 1991

PROFESSIONAL EXPERIENCE

- Director, Institute for Transportation, Iowa State University, 2014–present
- Professor, Department of Civil, Construction and Environmental Engineering, Iowa State University, 2012–present

SELECTED RESEARCH PROJECTS

- ***Evaluation of Intersection Collision Warning Systems*** (Minnesota Department of Transportation): 2014–2017, PI. Project evaluated driver behavior before and after installation of intersection collision warning systems (ICWS) in Minnesota. This included stopping behavior, glance behavior, and selected gap size.
- ***Evaluation of Truck Behavior at Reduced Conflict Intersections*** (Minnesota Department of Transportation): 2015–2016, PI. The project evaluated truck behavior at reduced conflict intersections (RCIs) and regular intersections to assess safety impacts due to large truck movements. Time to execute turning maneuvers were extracted from video and compared between treatment and control sites. Conflicts were also reduced and evaluated.
- ***Transverse Rumble Strips at Rural Intersections*** (Minnesota Department of Transportation): 2020–2022, PI. Project evaluated stopping behavior and speed for various, different transverse rumble strip (TRS) patterns at rural intersections.
- ***BTS-09: Influence of Infrastructure Design on Distracted Driving*** (National Academies): 2019–2021, PI. Project developed pilot studies using National Driving Study (NDS), crash, and driving simulator data to develop safety frameworks to evaluate the magnitude and impact of infrastructure-related distractions.
- ***Roundabouts: An Informational Guide*** (National Cooperative Highway Research Program NCHRP through Kittelson & Associates): 2006–2008. Project updated the roundabout guide.
- ***Updating The Speed Management Program Plan & Automated Speed Enforcement (ASE) Guidelines*** (Federal Highway Administration through VHB): 2020–2023, PI. This project updated FHWA's Speed Management Program Plan and Automated Speed Enforcement guidelines.
- ***Speed Management Strategies for Three Safety Focus Programs*** (Federal Highway Administration through LEIDOS): 2012–2013. Project evaluated number of speeding-related

fatal crashes for three of FHWA's safety focus programs: Roadway Departures, Intersections, and Pedestrian/Bicyclist.

- ***Developing Speed Management Noteworthy Practices*** (Federal Highway Administration through the Institute of Transportation Engineers): 2018–2020. This project conducted focus groups and webinars to identify noteworthy speed management practices. Eight noteworthy practices were selected and highlighted.
- ***Development of CMFs for Roadway Departure and Rural Intersection Countermeasures*** (Iowa Department of Transportation). Data were gathered and crash modification factors (CMFs) were developed for several countermeasures using Iowa data. This included chevrons, rural lighting, and stop sign mounted beacons.

SELECTED PUBLICATIONS

- Hallmark, S., N. Oneyear, D. Veneziano, H. Naraghi, and V. Lund. 2025. Comparison of Different Transverse Rumble Strip Patterns at Rural Stop-Controlled Intersections in Minnesota. *Transportation Research Record: Journal of the Transportation Research Board*.
- Thapa, R., S. Hallmark, N. Hawkins, and S. Knickerbocker. 2018. Evaluation of Intersection Conflict Warning System: A Critical Gap Analysis. *Transportation Research Record: Journal of the Transportation Research Board*, Vol. 2672.
- Neuner, M., B. Chandler, S. Hallmark, R. Milstead, and R. Retting. 2016. *Integrating Speed Management within the Three Safety Focus Areas: Roadway Departure, Intersections, and Pedestrian/*Bicycle, FHWA-SQ-16-017. Federal Highway Administration, Washington, DC.
- Thapa, R., S. Hallmark, and N. Oneyear. 2020. Braking Behavior of Major Approach Turning Vehicles at Rural Unsignalized Intersections: A Naturalistic Driving Study. *Traffic Injury Prevention*.
- Goswamy, A., S. Hallmark, G. Basulto, and M. Pawlovich. 2019. Safety Evaluation of Stop-Sign Mounted Beacons - A Cross-Sectional Study. *Journal of Transportation Technologies*, Vol. 9, pp. 95–108.
- Oneyear, N., S. Hallmark, and R. Thapa. 2018. Using Naturalistic Driving Study Data to Understand Rural Intersection Safety. *Roads and Bridges*.
- Goswamy, A., S. Hallmark, and T. Litteral. 2018. Impact of Destination Lighting and Other Factors on Driver's Injury Severity of Night-time Crashes at Rural Stop-Controlled Cross-Intersections using Proportional Odds Model. *Transportation Research Record: Journal of the Transportation Research Board*, Vol. 2672, pp. 113–121.
- Rodegerdts, L. J. Bansen, C. Tiesler, J. Knudsen, E. Myers, M. Johnson, M. Moule, B. Persuad, C. Lyon, S. Hallmark, H. Isebrands, R. B. Crown, B. Guichet, and A. O-Brien. *Roundabouts: An Informational Guide*, 2nd Edition.
- Isebrands, H., and S. Hallmark. 2014. Approach Speed Effects at Rural High-speed Intersections: Roundabouts versus Two-way Stop Control. *Transportation Research Record: Journal of the Transportation Research Board*, Vol. 2402, pp. 67–77.
- Isebrands, H., and S. Hallmark. 2012. Statistical Analysis and Development of Crash Prediction Models for Roundabouts on High-Speed Rural Roundabouts. *Transportation Research Record: Journal of the Transportation Research Board*. Vol. 2312, pp. 3–13.

- Neuner, M., B. Chandler, S. Hallmark, R. Milstead, and R. Retting. 2016. *Integrating Speed Management within the Three Safety Focus Areas: Roadway Departure, Intersections, and Pedestrian/Bicycle*, FHWA-SQ-16-017. Federal Highway Administration, Washington, DC.
- Hallmark, S., M. Orellana, E. J. Fitzsimmons, T. McDonald, and D. Matulac. 2010. Evaluating the Effectiveness of an Automated Red Light Running Enforcement Program in Reducing Crashes in Iowa using a Bayesian Analysis. *Transportation Research Record: Journal of the Transportation Research Board*, Vol. 2182, pp. 48–54.

PROFESSIONAL AFFILIATIONS, HONORS, AND SERVICE

- Coordinator for Quick Bites, Transportation Safety Council, Institute of Transportation Engineers, 2022–present
- Member, Transportation Research Board (TRB) Standing Committee on Performance Effects of Geometric Design (AHB65), 2019–2025
- Member, TRB Standing Committee on Occupant Protection (ACS40), 2023–2025