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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 (ISU), 2014–present
- Professor, Department of Civil, Construction, and Environmental Engineering, ISU. 2012–present
- Assistant/Associate Professor, Department of Civil, Construction, and Environmental Engineering, ISU, 2000–2012.

SELECTED RESEARCH PROJECTS

- **Roundabouts: An Informational Guide.** (NCHRP through Kittelson). 2006 to 2008. Project updated the previous roundabout guide.
- **Warrants for Roundabouts.** (MnDOT). 2006 to 2008. Project developed toolbox to assist agencies with assessing the impacts of roundabouts on a corridor or system in terms of transportation planning, corridor and network mobility, land use, flow conditions, access management, and other planning considerations (i.e. pedestrians, emissions).
- **Modern Roundabout Guidance for the Iowa DOT.** (Iowa DOT and FHWA). 2006 to 2008. Project developed preliminary planning-level guidance to engineers, technicians, planners, and policymakers who may be considering a modern roundabout at an existing or proposed intersection in Iowa.
- **Updating The Speed Management Program Plan & Automated Speed Enforcement (ASE) Guidelines** (FHWA through VHB). PI. 2020 to 2023. This project updated FHWA's Speed Management Program Plan and Automated Speed Enforcement guidelines.
- **Speed Management Strategies for Three Safety Focus Programs.** (FHWA through LEIDOS). 2012 to 2013. Project evaluated the number of speeding related fatal crashes for three of FHWA's safety focus programs: roadway departures, intersections, and bike/peds.
- **Develop Guidance for Speed Management for Rural Transition Zones and Town Centers.** (FHWA through Institute of Transportation Engineers, DTFH61-13-D-00026). Project developed speed management toolbox for local agencies.
- **Developing Speed Management Noteworthy Practices.** (FHWA through Institute of Transportation Engineers, DTFH61-16-D-00055). 2018 to 2020. This project conducted focus groups and webinars

to identify noteworthy speed management practices. Eight noteworthy practices were selected and highlighted.

- **Synthesis of Traffic Calming Techniques in Work Zones.** (Smart Work zone Deployment Initiative and USDOT). 2007 to 2008. Project summarized the effectiveness of speed management countermeasures for work zones.
- **Development of CMFS for Roadway Departure and Rural Intersection Countermeasures** (Iowa DOT and USDOT through the Midwest Transportation Center). Data were gathered and CMFs were developed for several countermeasures using Iowa data. This included chevrons, rural lighting, and stop sign mounted beacons.
- **Use of SHRP2 NDS Data to Evaluate Roadway Departure Characteristics** (FHWA and AASHTO through the IAP). Project is evaluating speed and lane position in relation to roadway characteristics.

SELECTED PUBLICATIONS

- 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. NCHRP Report 672, Roundabouts: An Informational Guide. 2nd Edition. TRB. 2010.
- Isebrands, H., **S. Hallmark**, E. Fitzsimmons, J. Stroda. Toolbox to Evaluate the Impacts of Roundabouts on a Corridor or Roadway Network. MnDOT. 2008.
- Isebrands, H. and **S. Hallmark**. Planning-Level Guidelines for Modern Roundabouts. 2008.
- **Hallmark, S.**, H. Isebrands, J. Stroda, and E. Fitzsimmons. *Addressing Use of Roundabouts in a Corridor*. MnDOT. 2008.
- Isebrands, H. and **S. Hallmark**. *Approach Speed Effects at Rural High-speed Intersections: Roundabouts versus Two-way Stop Control*. Journal of the Transportation Research Record. Vol. 2402. 2014. pp. 67-77.
- Mudgal, A., **S. Hallmark**, A. Carriquiry, and K. Gkritza. *Driving Behavior at a Roundabout: A Hierarchical Bayesian Model*. Transportation Research Part D. Vol. 26. 2014. pp. 20-26
- Isebrands, H. and S. Hallmark. *Approach Speed Effects at Rural High-speed Intersections: Roundabouts versus Two-way Stop Control*. Journal of the Transportation Research Record. Vol. 2402. 2014. pp. 67-77.
- Isebrands, H. and **S. Hallmark**. *Statistical Analysis and Development of Crash Prediction Models for Roundabouts on High-Speed Rural Roundabouts*. Journal of the Transportation Research Board. Issue 2312. 2012. pp. 3-13.
- **Hallmark, S.**, B. Wang, A. Mudgal, and H. Isebrands. *On-Road Evaluation of the Emission Impacts of Roundabouts*. Journal of the Transportation Research Board. Issue 2265. 2011. pp. 226-233.
- Hallmark, S. and A. Mudgal. *Comparison of Emissions at Roundabouts Compared to Traditional Traffic Control*. Proceedings of the 2011 Annual Meeting of the Air and Waste Management Association. Orlando, Florida. 2011.
- Isebrands, H. and S. Hallmark. *Assessing the Air Quality Benefits of Roundabouts*. 2006 Air and Waste Management Association Annual Meeting. New Orleans, LA.

- **Hallmark, S.**, E. Fitzsimmons, H. Isebrands, and K. Giese. *Evaluating the Traffic Flow Impacts of Roundabouts in a Signalized Corridor*. *Journal of the Transportation Research Board*. Vol 2182. 2010. pp. 139-147. Hawkins, Neal and Shauna Hallmark.
- *Noteworthy Speed Management Practices*. Office of Safety, Federal Highway Administration. FHWA-SA-20-047. August 2020.
- Hawkins, N. , **S. Hallmark**, S. Knickerbocker, and T. Litteral. *COVID-19 Impacts on Speed and Safety in Minnesota*. MnDOT. July 2021.
- Neuner, M., B. Chandler, **S. Hallmark**, R. Milstead, and R. Retting. *Integrating Speed Management within the Three Safety Focus Areas: Roadway Departure, Intersections, and Pedestrian/Bicycle*. FHWA. April 2016. FHWA-SQ-16-017.

PROFESSIONAL AFFILIATIONS, HONORS, AND SERVICE

- Former chair, Transportation Safety Council, Institute of Transportation Engineers
- Member of the Transportation Research Board Traffic Control Devices Committee (AHB50)