| **Hossein Naraghi, PhD** | |
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| Research Engineer,<br>Center for Transportation Research and Education<br>Institute for Transportation<br>Iowa State University<br>2711 South Loop Dr. Suite 4700<br>Ames, IA 50010 | (515) 294-4069<br>hnaraghi@iastate.edu<br><br>IOWA STATE UNIVERSITY<br>Institute for Transportation |


## EDUCATION

- PhD, Transportation Engineering, Iowa State University, Ames, IA, 2017
- MS, Civil Engineering, Iowa State University, Ames, IA, 2004
- BS, Civil Engineering, Civil Engineering, University of Mississippi, Oxford, MS, 1993

## PROFESSIONAL EXPERIENCE

- Research Engineer, Center for Transportation Research and Education, Institute for Transportation, 2016–present
- Research/Teaching Assistant, Institute for Transportation, 2013–2016
- Project Manager, N&J Construction Innovation, Canberra, ACT, Australia, 2009–2012
- Project Manager, Cardno Young, Canberra, ACT, Australia, 2005–2010
- Research Assistant, Center for Transportation Research and Education, Iowa State University, 2001–2005
- Site Engineer, A & L Engineering and Construction Company, Garland, TX, 2001–2002
- Project Manager, Machine Sazy Vijeh Company, Tehran, Iran, 1996–2001
- Site Engineer, Oil Industrial Engineering Company, Tabriz, Iran, 1993–1995

## SELECTED RESEARCH PROJECTS

- *Work Zone Safety Analysis Using SHRP 2 Naturalistic Driving Study Data*, Federal Highway Administration
- *Work Zone Safety using SHRP2 Naturalistic Driving Study Data*, MnDOT, 2016–2018
- Iowa Traffic Safety Data Service, Iowa GTSB, Iowa DOT, 2013–present
- Iowa Traffic Safety Data Service (ITSDS), SICL for Intersections, Iowa Governors Traffic Safety Bureau, Iowa DOT, 2015–present
- *Iowa Local Road Safety Plans, Phase 3*, Iowa DOT, Sub-contractor to Kimley-Horn
- Iowa Pavement Management Program, Iowa DOT
- District Road Safety Plans, Iowa DOT
- US Road Assessment Program (usRAP), Subcontractor to MRIGlobal
- US Road Assessment Program (usRAP), AAA Foundation for Traffic Safety, 2017–present
- usRAP Studies for Wisconsin Counties, WI DOT
- *Application of Safer Roads Investment Plans for Safety Management of Utah Roads and Streets*, Utah Department of Transportation, Subcontractor to MRIGlobal, 2017–present

- usRAP Studies for Utah Counties, Utah DOT
- usRAP Studies for Utah Interstate, Utah DOT
- Development of Iowa Strategic Highway Safety Plan
- *Development of Iowa Intersection Database with full MIRE Elements*, 2013–present
- *Horizontal Curve identification and Evaluation*, Iowa DOT
- *Developing a Tutorial for Iowa Crash Analysis Tool (ICAT)*, Iowa DOT
- *Development of Safety Performance Functions (SPF's) and Potential for Crash Reduction (PCR) for Iowa Paved Intersection*
- *Highway Safety Manual Calibration for Various Roadway Networks in Iowa*
- Research Projects for the Iowa DOT Office of Maintenance, Iowa DOT, 2018-present

## ONGOING RESEARCH

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| May 2018 | *Development of Safety Performance Functions (SPF's) and Potential for Crash Reduction (PCR) for Iowa Paved Intersection* |
| Feb. 2017 | *Highway Safety Manual Calibration for Various Roadway Networks in Iowa* |
| May 2013 | *Developing a Research Grade Iowa Intersection Database* |
| Jun. 2018 | *Developing a Tutorial for Iowa Crash Analysis Tool (ICAT)* |

## PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- Institute of Transportation Engineers (ITE)
- National Collegiate Athletic Association (NCAA)
- Friend, TRB Committee on Safety Data Analysis and Evaluation, ANB20, 2015–present
- Friend, TRB Committee on Roadway Safety Data Subcommittee, ABJ20, 2016–present