



NCSITE Mentoring Program

Mentor Resume:

Joe Hummer, PhD, PE

**NCDOT Traffic Management Unit
Garner, NC**

Contact Information:

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Educational Background:

- BS and MS in Civil Engineering from Michigan State University
- PhD in Civil Engineering from Purdue University

Work Background:

- 42 years of experience in traffic engineering
- One-year FHWA fellowship served at Turner-Fairbank in VA
- One and a half years as a consultant
- 27 years as a faculty member in civil engineering at three universities (UNC Charlotte, NC State, and Wayne State) including four years as department chair
- 10 years with NCDOT, including nine years as Unit Head for Traffic Management
- Extensive research experience with over 50 funded projects completed, 120 peer-reviewed journal papers, and 200 conference and meeting presentations
- Specialize in alternative intersections and interchanges
- Have interest in automated vehicles and wrote a book on them (*Driverless America*, 2020)

Career Volunteer Background:

- Active ITE member for over 40 years
- NCSITE President in 2021
- Currently Chair of NCSITE Strategic Initiatives Council
- Former member ASCE and ASEE

What's different about me:

- Academic and state DOT experience
- Stayed focused on intersections and interchanges
- Chose technical over admin positions
- Try to be creative and advance the field

What I can offer to a Protégé:

- Have mentored 16 PhD graduates, 80 Masters graduates, and hundreds of BS graduates
- Listening as well as talking

I attribute my success to the following:

- Since I was four years old I knew what I wanted to do and was lucky that it proved to be a fulfilling career choice
- Married well
- Never followed the herd
- Worked hard and tried to work smart
- Did enough math and computing, but relied on communication skills

Other

Passions/Hobbies/Interests:

- Family—my kids and grandson
- Travel
- History, philosophy
- Sports (Carolina Hurricanes, Detroit Tigers)