

Hannah MacKnight, EIT

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EDUCATION

University of Virginia, School of Engineering and Applied Science

Charlottesville, VA

M.S. in Civil Engineering

Expected May 2021

GPA: 3.93

Relevant Coursework: Traffic Operations, Transportation Planning, Transportation Safety, Transport Economics & Finance, Transportation and Land Use, Transportation Planning and Policy

B.S. in Civil Engineering, Minor: Urban and Environmental Planning

May 2019

GPA: 3.57, Dean's List for 3 semesters

RELEVANT EXPERIENCE

Virginia Transportation Research Council

Charlottesville, VA

Graduate Research Assistant

August 2019 – Present

- Led research study with two co-Principal Investigators. Managed project tasks from proposal to publication.
- Developed a research plan, conducted two surveys, analyzed data, and wrote interim and final reports.
- Collaborated with engineers and technicians around Virginia to assess current practices.

Engineering Intern

June 2017 – May 2019

- Worked on a team of 3 and performed tasks for two existing Virginia Transportation Research Council projects.
- Analyzed data, produced maps in ArcGIS software, and contributed to final reports.
- Presented at, and participated in, state and regional meetings. Networked with staff and strengthened knowledge base of transportation practices.

EXTRACURRICULAR ACTIVITIES AND MEMBERSHIPS

American Society of Civil Engineers, UVA Student Chapter

January 2018 - May 2019

Treasurer & Member

- Coordinated and attended meetings with members of civil engineering community to network and learn about industry opportunities.
- Managed club finances for biweekly meetings, networking events, and conference travel.

Memberships

American Society of Civil Engineers, Institute of Transportation Engineers, Society of Women Engineers, American Planning Association

PUBLICATIONS AND PRESENTATIONS

Publications

Ohlms, P.B., Dougald, L.E., and **MacKnight, H.E.** (2018). *Assessing the Feasibility of a Pedestrian and Bicycle Count Program in Virginia*. (Report No. VTRC 19-R4). Virginia Transportation Research Council.

Ohlms, P.B., Dougald, L.E., and **MacKnight, H.E.** (2019) Bicycle and pedestrian count programs: Scan of current practice. *Transportation Research Record*, 2673(3), 74-85.

Ohlms, P.B., Dougald, L.E., and **MacKnight, H.E.** (2020). *How's That Diet Working: Performance of Virginia Road Diets*. (Report No. VTRC 20-R19). Virginia Transportation Research Council.

Presentations

MacKnight, H.E. (2021, January 26). *Curb Ramp Accessibility Element Upgrade Prioritization: A Literature Review and Analysis of Multi-State Survey Data*. Poster session presented at the TRB 100th Annual Meeting, Virtual.

MacKnight, H.E. (2020, May 12). VDOT: ADA Compliance and Curb Ramps [Webinar]. Institute of Transportation Engineers. <https://www.ite.org/pub/7148F1D8-DC4C-0FDC-9889-1618891CE0CC>.

SKILLS

ArcGIS, Microsoft Office, Synchro, Python, MATLAB, AutoCAD Civil 3D