GRACE LINDQVIST

TRANSPORTATION ENGINEERING INTERN

CONTACT

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Austin, TX

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SKILLS

- Transportation Engineering
- Synchro
- MicroStation
- AutoCAD
- Signal Timing
- Traffic Impact Analysis
- Traffic Data Collection
- Excel
- Communication

EDUCATION

Bachelor of Science

05/2027

The University of Texas at Austin

Austin, TX

Civil Engineering

CERTIFICATES

OSHA 10-Hour Construction

05/2026

OSHA Outreach Training Program

SUMMARY

Civil engineering student at The University of Texas at Austin, focused on transportation engineering and graduating in May 2027. Builds Synchro signal timing models, drafts plan sheets in MicroStation and AutoCAD, and turns traffic counts from 25 locations into usable data. Keeps communication with senior engineers clear and on schedule.

EXPERIENCE

Transportation Engineering Intern

05/2026 - Present

Hill Country Traffic Engineers — Austin, TX

Part-time internship with a 45-person traffic and roadway design consultancy.

- Build Synchro models for **12** signalized intersections and test retiming plans that cut peak-hour delay by 15%.
- Draft signing and striping plan sheets in MicroStation and AutoCAD for 3 TxDOT-funded corridor projects.
- Process traffic data collection from tube counts and video at 25 locations into Excel turning-movement summaries.
- Write level-of-service sections of traffic impact analysis reports for senior engineer review.

Undergraduate Research Assistant

01/2025 - 05/2026

The University of Texas at Austin, Department of Civil Engineering — Austin, TX

Part-time research job on a pedestrian signal safety study.

- Coded **300** hours of intersection video to count pedestrian crossings and signal violations.
- Merged 5 years of crash records in Excel and flagged corridors with repeat rear-end crashes.
- Presented findings each month to a research group of 8 graduate students and 2 faculty.
- Mapped crash clusters on 40 corridors for the final study report delivered to the city transportation department.