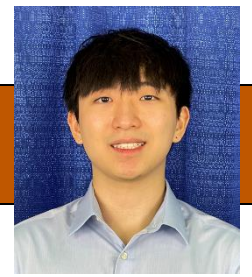




Raymond Zheng Transportation



EDUCATION

- **University of Texas at Austin**, B.S., Civil Engineering, 2024

CERTIFICATIONS

- OSHA 10-hour Course

Raymond is a recent graduate at the University of Texas at Austin with a passion for Engineering and working towards his EIT license. He has experience working with the City of Austin reviewing traffic control plans to help ensure community safety and mobility.

Mr. Zheng’s skills include:

- Revit
- AutoCad 3D
- CORSIM
- Temporary Traffic Control
- Rhino 3D
- MATLAB

RELEVANT EXPERIENCE

TPW Staff Augmentation (Right of Way Management / Traffic Control Reviewer) Austin, TX

Supplementing City staff as a full-time, in-house reviewer, Raymond is responsible for review/approval of temporary traffic control plans (TTCP). He verifies compliance with TMUTCD and COA Standards including Mobility Guidelines. This position requires frequent interaction and coordination with other City staff for Temporary Use of Right of Way Permits, Excavation, Driveway / Sidewalk, Film permits.

Traffic Engineering Project Austin, TX

Analyzed and redesigned traffic signal timings for a 13-intersection corridor. Raymond was tasked with analyzing the existing signal timing configurations along 13-intersectinos and determine the constrictions within the phase timings that served to caused traffic to back up. Through this analysis, a redesign was done to ensure consistent traffic flow throughout the corridor, along each intersection. Designs and analysis were performed on CORSIM as well as TRANSYT-7F utilizing their microsimulation capabilities.

Multi-Way Stop Intersection Control Project Austin, TX

Determined the effectiveness of all-way stop systems installed on 28 different intersections to ensure that crash safety. Analysis was performed on the installation of the all-way stops to determine if the new system utilized to qualify intersections for this installation was effective in reducing the severity and number of crashes.