

Bryan R. Esparza

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EDUCATION

California State Polytechnic University, Pomona

Civil Engineer, General

Expected Graduation: June 2018

EIT Test Date: 4/30/19

PROGRAMS

- TransCAD
- Synchro
- SIDRA
- AutoCAD
- Microstation
- PVT Vissim
- Microsoft Office Programs

SKILLS

- Fluent in Spanish
- Utilizing Surveying Equipment
- Preparing Reports
- Public Speaking

AWARDS

- Lambda Theta Phi 2017
Leader of the Year
- Cal Poly Pomona 2015 Student
Award for Excellence in Civic
Engagement

VOLUNTEER

- Pomona Host Lions Club
Member
- Great Minds in STEM Tutor
- Cal Poly Pomona College of
Engineering STEM Volunteer
- Science Fair Judge
- Food Shelter Volunteer

EXPERIENCE

Fehr and Peers

Intern

Irvine, CA
01/2018 – Present

- Updated Synchro geometry and optimized signal timing network.
- Ran script in TransCAD to acquire VMT data.
- Updated VMT and trip generation spreadsheets.

San Francisco Municipal Transportation Agency

Engineer Intern Capital Programs & Construction

San Francisco, CA
06/2017 – 09/2017

- Inspected concrete pole foundations, track geometry, and overhead contact systems.
- Verified project schedules satisfied contract specification requirements.
- Recorded and photographed construction activities for daily reports.
- Assisted drafting outlines for contract modifications.

Los Angeles Metropolitan Transportation Authority

Administrative Intern ITS Group

Los Angeles, CA
01/2016 – 06/2016

- Reviewed quarterly invoices and submitted project information for annual audits.
- Assisted ITS Group by gathering project information for funding applications.
- Managed grants for the Signal Synchronization & Bus Speed Improvements mode.
- Communicated with grantees to ensure contracts and scope of works were followed.

Caltrans, Transportation Management Center

Student Assistant

Irvine, CA
07/2014 – 01/2016

- Communicated traffic management decisions via radio or phone.
- Reviewed and ensured accuracy of all activity data submissions and reports.
- Operated traffic management devices, CCTV cameras and dynamic message signs.

City of Anaheim, Traffic Management Center

Student Researcher

Anaheim, CA
07/2015 – 02/2016

- Collected Econolite traffic data.
- Assisted installing video servers to collect data.

SENIOR PROJECT

Convert Portion of SR60 to Controlled - Access Freeway

Traffic Team

Beaumont, CA
09/2017 – Present

- Collecting traffic data through PeMS, traffic counts, and city general plans.
- Calculating trip generations utilizing ITE Trip Generation Manual.
- Designing Synchro intersection geometry.
- Analyzing roundabout alternative using SIDRA software.

ORGANIZATIONS

Institute of Transportation Engineers, ITE

President

Pomona, CA
08/2017 – Present

- Facilitate meetings, projects, and networking events for student member growth.

Women's Transportation Seminar, WTS

Member

Pomona, CA
01/2017 – Present