

Joshua Medina

13031 Via Antibes Riverside,
CA 92503
Phone: (951) 966 – 4141
jmm@cpp.edu

OBJECTIVE:

Learn practical transportation engineering skills through an internship and scholastic means in order to acquire a professional license.

EDUCATION:

Future graduate of California State Polytechnic University, Pomona
Civil Engineering department GPA: 3.0

September 2014-Present

PAST PROJECTS:

Freeway Interchange (Highway Engineering Lab 1/4/16 – 3/17/16)

- Design of a freeway interchange in Microstation InRoads
- All designs conform to Caltrans Highway Design Manual standards
- Design includes horizontal/ vertical alignments, super elevation, cut and fill diagrams, etc.

57 Freeway Simulation (Transportation Engineering Lab 4/21/16 – 6/8/16)

- Simulation of a segment of SR-57 from Orangthrope Ave to Bastanchury Rd using PTV Vissim
- Simulation created with extracted PEMs data and optimized using GEH values

60 Freeway Simulation (Traffic Engineering Lab 1/2/18 – present)

- Simulation of a segment of SR-60 from Fairway Dr to Azusa Ave using PTV Vissim
- Simulation created with extracted PEMs data

Senior Project (9/22/17-present)

- with the assistance of advisers, both academic and professional, a group of Cal Poly Pomona's students will perform a feasibility study for the construction of an interchange and lane widening in the SR-60 corridor.
 - One of four project managers in charge of the project helping with the geometric design, traffic and environmental studies
 - Focus in the traffic aspect: helping extract volume data from both RIVtam and SCAG TransCAD models, inputting data in both Synchro and Vissim to obtain levels of service on the mainline and local intersection, respectively for all intersection alternatives
 - Project manager duties include both practical and technical skills such as self-motivation to set an example for colleagues and drafting of project documents such as a purpose and needs statements and design/study boundaries
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SKILLS:

Technical Computer Skills

AutoCAD
Microstation/InRoads
Vissim
TransCAD
Synchro

General Computer Skills

Microsoft Word
Microsoft Excel
Microsoft PowerPoint

General Skills

Bilingual in Spanish
and English

WORK EXPERIENCE:

Dunkin Donuts 4922 La Sierra Riverside, CA

Shift Leader July 17th,2016 – August 2nd, 2017

- Creation and maintenance of spreadsheets for store inventory and product production optimization.
- Read and analyze sales data, drive thru and front counter times, and overall customer satisfaction to form action plans to run a more effective business.
- Communicate with customers and listen to complaints and suggestions to increase customer satisfaction.
- Overall communication skills and leadership qualities required to motivate workers to come to work with a good attitude and work focused methodology.