

KYLE GABRIEL NELIUS, EIT

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PROFESSIONAL EXPERIENCE

Kiewit Corporation

Santé Fe Springs, CA

Superintendent 1

March 2018 – Present

▪ Foothill Gold Line Phase 2B

- Managed ~\$20,000,000 of subcontract work (rebar, CIDH pile, pre-cast girders, ready mix, and formliner).
- Reduced project scope by 7,000 manhours through value engineering post contract execution.
- Managed 20,000 manhours of work over 1.5 years, 5% under budget and 6 months ahead of schedule.

▪ Santa Anita Dam Spillway Modification

- Oversaw multiple operations on the project across two miles of mountain terrain.
- Developed workplans to install soldier pile and lagging near high voltage transmission lines with limited access.
- Engineered methods to transport materials and personnel across an eroded access road to the dam.
- Engineered a system to transport concrete debris off the dam to increase production.

▪ Estimating

- Structures, mechanical piping, and mechanical equipment.
- Reduced an estimate by \$5,000,000 dollars through construction sequencing (Foothill Goldline 2B).
- Created 3D models of bridges to estimate formwork, concrete, and constructability.

Vertrees Architectural & Engineering Services

Brea, CA

Structural Engineer

January 2017 – March 2018

- Coordinated with builders to troubleshoot problems during construction and prepared solutions quickly after.
- Prepared calculations and schematics for wood structures, concrete foundations, and steel structures.
- Managed up to 5 projects at one time ranging from commercial to residential facilities.
- Performed structural observations to confirm field work coordinates with drawings.

Southern California Edison

Pomona, CA

Transmission Engineering Intern

June 2016 – September 2016

- Identified and mapped all fiber optic ground wire for all 220kV and 500kV transmission circuits within the SCE grid.
- Analyzed foundations and tubular steel poles for 30 66kV and 115kV sub-transmission projects.
- Increased work efficiency within my group by developing various Excel based tools and maintaining an up-to-date drawing database.

The Walsh Group - SR 91 Corridor Improvement Project Design Build

Corona, CA

Project Engineer Intern

April 2014 – November 2015

- Monitored all aspects of the construction of 32 retaining walls through quality, settlement, scheduling, and cost.
- Developed an Excel based tool to track settlement over time.
- Created construction work plans for field crews.
- Compiled quantity takeoffs for retaining walls, drainage, and traffic handling.

CERTIFICATIONS

- NCEES PE Exam ID 16-170-05 October 2019
- Engineer in Training, No. 159809 September 2016
- LEED Green Associate, No. 11007723 August 2015
- Adult and Pediatric First AID/CPR/AED, No. 0VUSX0 August 2014

EDUCATION & LEADERSHIP EXPERIENCE

California State Polytechnic University, Pomona

Pomona, CA

Bachelor of Science, Civil Engineering

Graduated: March 2017