

Nicholas Orsi

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Objective Statement

A motivated software engineer with experience working as a professional civil engineer on technically demanding, fast paced, dynamic projects looking to make an impact on the world at large.

Work History

Lead Superintendent

Kiewit Infrastructure West Co. NW District

Feb 2022 - June 2023

Gross Reservoir Dam (GRD) Expansion Project

Owner: Denver Water (DW)

Cost: \$531M

- Led a team of 2 field engineers, 2 superintendents, and 15 craft to execute foundation excavation for the new dam footprint with a budget of \$6M.
- As lead superintendent additional responsibilities included becoming the subject matter expert for all managed work, collaborating with adjacent operations and understanding project priorities, and the hiring, firing, and training of all team members to successfully execute the work.
- Utilized Sharepoint, InEight, Smartsheet, and Procore to streamline documentation throughout construction planning and field execution to ensure consensus between stakeholders.
- Led weekly Microsoft Teams virtual meetings with senior DW members to present the construction execution plan and gain DW's buy-in, resulting in the earliest construction start date possible.
- Collaborated with internal technical support to develop a unique summary dashboard page using PowerBI to reduce quality documentation audit durations by 67%.

Discipline Engineer/ Superintendent

Kiewit Infrastructure West Co. NW District

Feb 2020 - Feb 2022

San Mateo 101 Freeway Expansion Project

Owner: Caltrans CA DOT

Cost: \$325M

- Led a team of 1 field engineer, 10 craft, and managed 5 subcontractors to execute roadway & concrete barrier demo/replacement with a budget of \$10M.
- Managed work during the field execution phase, utilizing Sharepoint to track quantities and progression in the field and Smartsheet to update and maintain 3 week and 90 day schedules.
- Developed quantity tracking sheets in Sharepoint to ensure accurate tracking between day and night shift operations, reducing month end meeting durations by 75%.
- Utilized Smartsheet to manage dig permits across 50 working sites, ensuring day/night operations updated a master document to confirm utility locates, resulting in 0 utility related safety incidents.

Field Engineer/ Superintendent

Kiewit Infrastructure West Co. NW District

Feb 2017 - Feb 2020

Oroville Emergency Spillway Repair Project

Owner: Department of Water Resources, CA

Cost: \$630M

- Led a team of 1 field engineer, 10 craft, and managed 7 subcontractors to execute reconstruction of the main and emergency spillways, and the recreational facilities with a budget of \$17M.
- Developed and submitted 200+ RFI's, 100+ submittals, 100+ blast plans, and 140+ blast reports utilizing skills learned in Trimble Business Center, Microsoft Excel, and Sharepoint.
- Refined field operation methods and procedures during the mid season planning phase, resulting in operation cost reductions of 30% under budget.

Field Engineer

Kiewit Infrastructure West Co. NW District

Aug 2015 - Feb 2017

Kam Highway Elevated Light Rail Project

Owner: Honolulu Authority for Rapid Transportation

Cost: \$483M

- Developed change order estimates, constructed a below grade community college light rail station, and installed fence and guardrail along the light rail alignment. Gained proficiency in the use of Hard Dollar estimating software and Bluebeam Revu for take offs.

Certifications & Education

- Professional Engineer in Civil Construction, Washington, License #21019134
- Colorado Type I Explosive Permit #1-123-44757
- Cleared as an Employee Possessor of Explosives by the ATF
- BS in Civil & Environmental Engineering, University of Washington, Magna Cum Laude