

Daniel Okafor, EIT

Civil Engineer | Structural, Drainage & Site Development

Seattle, WA

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PROFESSIONAL SUMMARY

Civil Engineer with 3.5 years of experience in site development, stormwater design, and structural analysis for municipal and commercial projects. Contributed to projects totaling \$120M in construction value, delivered designs 8% under budget, and obtained permit approvals with a 95% first-submittal acceptance rate. Proficient in Civil 3D, HEC-RAS, and RISA. Passed the FE exam and working toward PE licensure.

CORE COMPETENCIES

Design & Analysis: Site Grading, Stormwater & Drainage Design, Hydrology & Hydraulics, Roadway Design, Structural Analysis (Steel, Concrete), Utility Design, Erosion Control

Software: AutoCAD Civil 3D, HEC-RAS, HEC-HMS, StormCAD, RISA-3D, SAP2000, Revit, ArcGIS, Bluebeam, MS Project

Standards & Project Delivery: AASHTO, ACI 318, AISC, IBC, WSDOT Standards, Construction Documents, Quantity Takeoffs, Cost Estimating, Permitting

PROFESSIONAL EXPERIENCE

Civil Engineer I / II

Jun 2023 – Present

Cascade Engineering Group — Seattle, WA

- Design grading, drainage, and utility plans for commercial and residential developments totaling \$120M in construction value.
- Completed hydrology and hydraulic models in HEC-RAS and StormCAD for 18 projects, meeting City of Seattle and WSDOT stormwater requirements.
- Secured permit approvals with a 95% first-submittal acceptance rate through thorough QA/QC and agency coordination.
- Prepared quantity takeoffs and estimates for 12 bid packages; value-engineering recommendations saved clients \$1.8M.
- Provide construction support, RFI responses, and submittal review, resolving 90% of RFIs within 48 hours.

Civil Engineering Designer / Intern

Jul 2022 – May 2023

Pacific Northwest Transportation Consultants — Tacoma, WA

- Drafted roadway, culvert, and sidewalk plans for 5 municipal projects using Civil 3D.
- Analyzed steel and reinforced-concrete elements in RISA-3D for 3 retaining wall and pedestrian bridge designs.
- Supported field surveys and site inspections; documented ADA compliance for 40+ intersection upgrades.
- Delivered plan sets 10% under budgeted hours through template standardization.

SELECTED PROJECTS

Harbor Mixed-Use Development (\$48M): Civil site design and stormwater detention for 6-acre site.

SR-509 Culvert Replacement (\$6.2M): Hydraulic design for fish-passage culvert; permitted by WDFW and Army Corps.

Municipal Pedestrian Bridge (\$3.1M): Structural analysis and detailing for 120-ft steel span.

EDUCATION

Bachelor of Science in Civil Engineering

University of Washington — Seattle, WA

2022 | GPA 3.6

CREDENTIALS

- Engineer in Training (EIT), Washington State — FE Civil passed
- OSHA 30-Hour Construction
- Certified Erosion & Sediment Control Lead (CESCL)
- ASCE Member