

Eric Knigge, PE

CONTACT INFORMATION

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SUMMARY

Professional engineer with experience in the energy and transportation sectors, delivering complex, high-profile projects. Supervisory, operational, and project management experience in the public sector, with a technical background in civil engineering, project management, and software development.

EXPERIENCE

Transmission Engineer, Snohomish PUD 2022 - Present

- Manage transmission projects from \$30k-\$2M through the full lifecycle. Planning, design, permitting, material procurement, construction, and closeout.
- Utilize PLS-CADD and available information sources such as LIDAR, survey data, and engineering drawings to build system models. Validate and iterate designs to ensure they meet or exceed all regulatory, design, structural, and project constraints.
- Assist construction surveying, inspections, and perform field assessments. Track changes using SAP (PUD's ERM solution), and keep accurate and organized project and transmission drawing documentation.
- Serve as project lead for joint-use cellular contracts, adding, modifying, and decommissioning.

Transportation Engineer IV, WSDOT 2018 - 2022

- Supervised Toll Division operations team tasked with annual revenue collection exceeding \$200M. Worked with vendors to maintain systems and resolve revenue disputes.
- Oversaw interagency and internal contracts with a biannual budget over \$2M.
- Delivered operational improvement projects of varying sizes, \$50-500k. Drafted and revised change orders and managed the delivery of new statements of work.
- Directly supervised a team of 3 engineers, 2 technicians, and 2 interns. Scheduled and disseminated work, mentored team, and provided updates to leadership.
- Developed and revised operational policies including Standard Operating Procedures (SOPs), Concept of Operations (CONOPS), business rules, and engineering standards.

Transportation Engineer III, WSDOT 2015 - 2018

- Provided technical support in the design and development of Intelligent Transportation Systems (ITS), specifically tolling projects. Responded to RFIs, conducted inspections, and coordinated construction activities with stakeholders.
- Tracked work progress, validated invoices, and reviewed technical deliverables.
- Identified, tracked, and resolved invoicing errors that saved the state over \$100k.

Transportation Engineer, WSDOT. Engineer II (2013-2015), Engineer I (2012-2013).

EDUCATION

North Seattle College, (BAS) Application Development (2024)

University of Washington, Seattle, WA, MSCE (2015)

University of Washington, Seattle, WA, BSCE (2012)

SKILLS

Transmission Design: PLS-CADD, Microstation, NESC, SAP/ERM, Microsoft BI, GIS/ArcGIS

Programming: Python, Java, Javascript, Bash, SQL

Software Libraries: Pandas, NumPy, SciPy, React, Express