

NABIN BHATTARAI, EIT

ENGINEERING STAFF I

BACKGROUND

A graduate from Portland State University with a bachelor's degree in civil engineering, Nabin Bhattarai serves as a Staff Engineer at Central Geotechnical Services. He brings hands-on experience in both field and design-related tasks and continues to expand his technical expertise.

Nabin supports various private- and public- sector projects by performing geotechnical tasks such as field exploration, nuclear density testing, FWD data collection, GPR data collection, soil logging, and infiltration testing. He also assists with pavement evaluations and foundation subgrade observations. With growing proficiency in tools like ArcGIS Pro and gINT, Nabin plays a key role in data collection, analysis, and supporting senior engineers throughout project execution.

PROJECT EXPERIENCE

City of Wilsonville 2025-2028 Street Maintenance (Wilsonville, OR)

Nabin provided geotechnical engineering support for the project, which involved pavement rehabilitation and maintenance around the city of Wilsonville. In total, 26 corings (borings to a depth of 3 feet) were completed to assess pavement conditions. Pavement thickness data, DCP measurements, and detailed soil logs were gathered to support site characterization. This information, along with subsurface exploration, was analyzed to assist senior engineers in developing recommendations for pavement design and construction.

City of Tigard-2025 Tigard Pavement Rehab (Tigard, OR)

For the 2025 Tigard Pavement Rehabilitation project, Nabin provided geotechnical field support by performing pavement coring at 16 locations throughout the city. These cores were used to evaluate existing pavement conditions and support pavement design decisions. In addition to drilling operations, Nabin collaborated with a qualified and experienced staff member to collect Falling Weight Deflectometer (FWD) data, which was later used for back-calculation of pavement structural capacity. This data was integral in assisting the engineering team in determining appropriate rehabilitation strategies and improving long-term pavement performance.

Metro- Geotechnical Feasibility Studies (Portland, OR)

Nabin contributed to the preparation of two feasibility-level geotechnical reports for Metro projects at 2815 SE 90th Place & 8137 SE Henderson Street Portland, Oregon. His responsibilities included reviewing available geotechnical and geologic information in the site vicinity, such as historical subsurface data, geologic maps, and internal reports. The scope of exploration included advancing three borings at each site to depths of up to 25 feet below ground surface (bgs), or until practical refusal. The findings from these investigations supported the early planning and design phases of Metro's development projects.

EXPERIENCE

1 Year

EDUCATION

BS, Civil Engineering
Portland State University

AFFILIATIONS

American Society of Civil Engineers (ASCE)

REGISTRATIONS AND CERTIFICATIONS

Engineer-in-Training
Oregon (106344EI)

2024 Street Maintenance/City of Wilsonville (Wilsonville, OR)

Nabin provided quality assurance by monitoring the cement treatment and pavement work throughout the project. He observed the contractor's methods to ensure they were following proper procedures and tested the pavement using a nuclear density gauge to verify the desired density was achieved. His attention to detail helped ensure the project met the required standards.