1. Devised overall strategy for documentation and identified design sets planned for each stage of work including as-built designs and final building information models (BIM).
2. Analyzed survey reports, maps, blueprints and other topographical and geologic data to effectively plan infrastructure and construction projects.
3. Performed construction observation and took soil samples.
4. Evaluated sites to determine soil adequacy for handling loads imposed by building foundations and associated materials.
5. Interacted with state and local agencies concerning compliance with codes and regulations.
6. Supported CIP projects and managed street and pavement projects.
7. Assessed scope and requirements to make accurate project design determinations for [Number] projects.
8. Achieved [Type] target with well-planned and implemented civil engineering solutions.
9. Conducted traffic volume counts and compiled traffic accident data to improve road safety and overall efficiency.
10. Reviewed and assisted in performing technical bid analysis.
11. Increased community satisfaction in [Type] locations by implementing community outreach program and surveying impacts of changes to [Type] systems.
12. Actively worked to prevent [Type] issues by closely monitoring job sites for [Type] impacts and effectively collaborating with [Job title].
13. Drafted and reviewed reports and specifications, including construction schedules, environmental impact studies and project designs.
14. Accurately designed specifications for [Type] locations and projects after computing [Type] and [Type] requirements.
15. Monitored impacts of changes to infrastructure and [Type] systems, effectively determining courses of actions based on [Type] conditions.
16. Determined availability, strength and viability of [Type] materials for over [Number] [Type] projects.
17. Computed load and grade requirements, material stress factors and water flow rates to determine design specifications.
18. Used [Software] to analyze [Type] data and design solutions.
19. Determined project feasibility by estimating materials costs and sourcing requirements.
20. Maintained compliance with regulatory requirements for water quality protection.