1. Visited project sites during construction to monitor progress and consult with contractors and on-site engineers.
2. Analyzed survey reports, maps, blueprints and other topographical and geologic data to effectively plan infrastructure and construction projects.
3. Conducted traffic volume counts and compiled traffic accident data to improve road safety and overall efficiency.
4. Assisted in bidding process by providing for on-site inspections and preparing take-offs.
5. Increased safety rating of high-level project [Number]% by identifying and resolving severe structural issues.
6. Calculated load levels and material stress factors using [Software] to identify design constraints.
7. Maintained compliance with regulatory requirements for water quality protection.
8. Developed low impact transportation, grading and storm water design strategies for sustainable infrastructure projects.
9. Reviewed and assisted in performing technical bid analysis.
10. Monitored impacts of changes to infrastructure and [Type] systems, effectively determining courses of actions based on [Type] conditions.
11. 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).
12. Determined availability, strength and viability of [Type] materials for over [Number] [Type] projects.
13. Reviewed calculations and analytical data to maintain accuracy of technical reports.
14. Drafted and reviewed reports and specifications, including construction schedules, environmental impact studies and project designs.
15. Achieved [Type] target with well-planned and implemented civil engineering solutions.
16. Increased community satisfaction in [Type] locations by implementing community outreach program and surveying impacts of changes to [Type] systems.
17. Produced precise technical specifications and data sheets.
18. Identified and resolved potential structural issues.
19. Tested soils and materials to determine foundation strength.
20. Secured over $[Amount] in funding for [Type] projects by designing dynamic and innovative presentations.