1. Tested soils and materials to determine foundation strength.
2. Produced precise technical specifications and data sheets.
3. Analyzed survey reports, maps, blueprints and other topographical and geologic data to effectively plan infrastructure and construction projects.
4. Served as lead project engineer and manager on [Number] highway projects.
5. Calculated load levels and material stress factors using [Software] to identify design constraints.
6. Performed construction observation and took soil samples.
7. Evaluated sites to determine soil adequacy for handling loads imposed by building foundations and associated materials.
8. Actively worked to prevent [Type] issues by closely monitoring job sites for [Type] impacts and effectively collaborating with [Job title].
9. Supervised all aspects of concrete batching and placement for [Type] infrastructures.
10. Assessed scope and requirements to make accurate project design determinations for [Number] projects.
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. Interacted with state and local agencies concerning compliance with codes and regulations.
13. Acted as contact for client's communication with field personnel.
14. Educated general public through professional presentations and community discussions.
15. Determined project feasibility by estimating materials costs and sourcing requirements.
16. Secured over $[Amount] in funding for [Type] projects by designing dynamic and innovative presentations.
17. Computed load and grade requirements, material stress factors and water flow rates to determine design specifications.
18. Visited project sites during construction to monitor progress and consult with contractors and on-site engineers.
19. Reviewed calculations and analytical data to maintain accuracy of technical reports.
20. Increased safety rating of high-level project [Number]% by identifying and resolving severe structural issues.