1. Collaborated with [Type] personnel to resolve design or utility conflict problems.
2. Analyzed survey reports, maps, blueprints and other topographical and geologic data to effectively plan infrastructure and construction projects.
3. Assisted with graphical representations of civil structural designs.
4. Evaluated specifications for facilities design to determine compliance with standards.
5. Provided technical documents to plan work and address concerns for on-going projects.
6. Appointed to survey [Type] land to measure or determine features.
7. Estimated [Type] requirements for development of drainage and hydrology projects.
8. Tested characteristics of materials or structures for use in designs.
9. Created maps of land or bodies of water for inspection and reports.
10. Performed construction observation and took soil samples.
11. Evaluated sites to determine soil adequacy for handling loads imposed by building foundations and associated materials.
12. Reviewed operational costs for accuracy and budgetary compliance for pending projects.
13. Calculated load levels and material stress factors using [Software] to identify design constraints.
14. Conferred with [Type] personnel to prepare design plans.
15. Prepared and maintained accurate and complete work records and reports using [Software].
16. Analyzed waterways to identify engineering problems and recommended corrective actions.
17. Increased community satisfaction in [Type] locations by implementing community outreach program and surveying impacts of changes to [Type] systems.
18. Produced precise technical specifications and data sheets.
19. Facilitated construction by mapping out utility installations and establishing reference points, grades and elevations.
20. Supported CIP projects and managed street and pavement projects.
21. Secured over $[Amount] in funding for [Type] projects by designing dynamic and innovative presentations.
22. Actively worked to prevent [Type] issues by closely monitoring job sites for [Type] impacts and effectively collaborating with [Job title].
23. Used [Software] to analyze [Type] data and design solutions.
24. Computed load and grade requirements, material stress factors and water flow rates to determine design specifications.
25. Served as lead project engineer and manager on [Number] highway projects.
26. Drafted and reviewed reports and specifications, including construction schedules, environmental impact studies and project designs.
27. Acted as contact for client's communication with field personnel.
28. Determined schedule and budget requirements for [Type] project to coordinate efficient work.
29. Determined availability, strength and viability of [Type] materials for over [Number] [Type] projects.