

ENGINEERING TECHNICIAN

Summary

To obtain a position in the field of civil engineering technician where I can apply and impart the knowledge I have gained through experience and college, as well as to acquire new insight through experience and application.

Accomplishments

- Home Improvement Projects.
- Outdoor Sports such as golfing, hunting, and fishing.

Experience

Company Name August 2007 to Current Engineering Technician

City , State

- Design/Drafting - Design of various capital improvement projects including reconstruction, patching, HMA resurfacing, sewer lining/repair, durable pavement markings, and sidewalk repair.
- Responsibilities include providing an accurate and complete set of plans that are drawn to a city drafting standard.
- Drafting software used Microstation and GeoPak.
- Storm Water Utility Assessment - Review of development within the city to determine the assessment fee based on the amount of impervious area on the site.
- Responsibilities include measurement of impervious area and assessment of fee.
- Software used ArcView and Microsoft Access.
- Surveying - Surveying duties include TOPO graphic surveys for capital improvement projects and survey of city infrastructure and utilities to provide accurate base map drawings.
- Responsibilities include performing surveying computations and processing data.
- Surveying equipment used Trimble GPS and Topcon Total Station.
- File Maintenance - Maintain accurate base map drawings of subdivisions, right of way parcels, easements, storm sewer, sanitary sewer, fiber optic, and street centerlines.
- Responsibilities include adding assets as development progresses and correction of existing assets as survey data is collected.
- Software used ArcView and CriteGraph.

Company Name April 2006 to August 2007 Senior Engineering Technician

City , State

- Surveying duties included TOPO graphic surveys, land surveys, and construction surveys.
- Responsibilities include performing surveying computations, processing data, and review of subdivision plats.
- Surveying equipment used Ashtec GPS and Trimble 5600 Total Station.
- Construction Inspection - Projects I overseen included asphalt resurfacing, street reconstruction, curb reconstruction, storm sewer and sanitary sewer reconstruction and repairs, construction of new subdivisions, and drainage way construction.
- Responsibilities included keeping daily records, measuring quantities, insuring compliance with plans and specifications.
- Design/Drafting - Design of a street reconstruction project that included street widening, storm sewer reconstruction, sanitary sewer reconstruction, and water main reconstruction.
- I have also designed several storm sewer projects.
- Responsibilities included performing drainage calculations, sizing storm sewer and sanitary sewer pipe, meeting design criteria and writing specifications for project.
- I have also drafted many survey plats and section corner certificates.
- Drafting software used AutoCad and Eagle Point.

Company Name May 1998 to April 2006 Engineering Technician

City , State

- Surveying - Over 7 years of surveying experience including land surveys, TOPO graphic surveys, and construction surveys.
- Responsibilities include performing surveying computations, processing data, drafting, and supervision of survey crew.
- Surveying equipment used Trimble GPS and Geodimeter total station.
- Environmental Sampling - Over 6 years of sampling at 7 different sites.
- Responsibilities include sampling of water and soil, maintenance of bioslurp remediation system, and completion of chain of custody and other required paperwork.
- Construction Inspection - Over 3 years of construction inspection experience including bridge, bike trail, street, and airport runway, both asphalt and concrete.
- Responsibilities include keeping daily records, measuring quantities, insuring compliance with plans and specifications.
- Stream Gauging - Over 2 years of stream gauging on 4 different river basins, including the Iowa, Des Moines, Raccoon, and Cedar rivers.
- Drafting - Over 2 years of drafting experience including assisting a lead drafts person on street improvement projects, plat of surveys, and corner certificate drawings.
- Drafting software used Microstation.

Education

University of Northern Iowa May 2004 BS : Construction Management City , State Construction Management

Hawkeye Community College May 1998 AAS : Civil and Construction Engineering Technology City , State Civil and Construction Engineering Technology

Skills

ArcView, AutoCad, Drafting, GPS, graphic, Inspection, Microsoft Access, Microstation, File Maintenance, repairs, supervision, surveys, utilities