Example of Civil Engineering Technician Job Description

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Our company is looking to fill the role of civil engineering technician. If you are looking for an exciting place to work, please take a look at the list of qualifications below.

Responsibilities for civil engineering technician

- Provide detail updates to Bridge Section to incorporate the standard drawings into the ODOT Bridge Design and Drafting Manual
- Assist in maintaining ODOT web page links, access to standard drawings, and associated CAD files
- Prepare conceptual, preliminary Type, Size and Location (TS&L) plans, advance plans, contract plans, and maintenance plans for engineers
- Obtain drawing numbers and structure numbers from bridge data system
- Upload scanned images of drawings and relational data into bridge data system
- Write and post articles for the Bridge Section websites
- Assist in training internal and external technical and professional engineering staff in the art and science of CAD drafting
- Participate on project teams to coordinate project drafting and CAD file management
- Perform quality assurance reviews on completed work
- Perform electrical, mechanical and structural drafting for specialized bridge preservation and historical bridge projects

Qualifications for civil engineering technician

- Able to take responsibility for own work (designs, 3D models, drawings, calculations, reports, etc) and that of junior/apprentice technicians

- Structural knowledge of key building materials such as reinforced concrete and steelwork would be an advantage
- Educated to a minimum of HNC qualification in civil engineering
- Associate Degree in Drafting or an Engineering Design Related Technology
- 3 years of work experience in drafting or design