

Senior Water Resources Engineer

Tracking Code

224-612

Job Description

Borton-Lawson is currently seeking a Senior Water Resources Engineer with Project Management experience. The candidate will be responsible for the development and presentation of advanced watershed management and hydrologic/hydraulic studies.

Essential Duties and Responsibilities

- Performs design, analysis, planning and modeling
- Conducts hydrologic and hydraulic studies to include bridge/culvert hydraulic analysis and erosion control, sediment transport analysis, stream hydraulic, fluvial geomorphology (FGM) and GIS watershed integration.
- Performs some or all of the following: environmental impact analysis waterway encroachment, floodplain analysis, flood mitigation planning, watershed assessment, stream restoration, storm water management and computer modeling
- Collaborates and oversees development of water resource management plans.
- Designs area and/or watershed storm water management plans.
- Provides reports of hydrologic and hydraulic studies.
- Periodically may perform project management responsibilities including project design reviews, client interaction, coordination of sub consultants, billings, etc.
- Knowledge of local, state, and federal regulations pertinent to water resources / environmental permitting;
- Ability to design and oversee design including layout, grading, drainage, infrastructure, erosion and sediment control, etc. from concept through design and permitting, and to completion;
- Expertise in hydrologic/hydraulic analysis and design;
- Proficiency in multiple software platforms including CAD (AutoCAD Civil3D and Bentley Microstation / Power InRoads), ArcGIS, HEC-HMS, and HEC-RAS, HY-8, XPSWMM, and VTPSUHM;
- Produce construction drawings and specifications;
- Ability to manage multiple projects with multiple clients;

Required Experience

- B.S. degree in Civil Engineering, M.S. degree a plus;
- Possess a valid PA Professional Engineer licensure, or be eligible to sit for the PA PE Exam;
- 5 to 10 years' experience in related engineering in Pennsylvania;

Job Location

Bethlehem, Pennsylvania, United States

Position Type

Full-Time/Regular