

JOB OPPORTUNITIES

[JOB SEARCH](#) | [VIEW ALL JOBS](#) | [SUBMIT RESUME](#) | [CANDIDATE LOGIN](#)

Hydrology and Hydraulics Engineer (Senior Engineer) (ID# 30615)

Lawrenceville, NJ

Category:

Water Business Unit

Job Type:

Full Time

Minimum Experience:

5

Required Education:

Bachelor's
Degree

Job Description

About WSP | Parsons Brinckerhoff

WSP | Parsons Brinckerhoff, one of the world's leading engineering and professional services consulting firms, provides services designed to transform the built environment and restore the natural one. The firm's expertise ranges from environmental remediation and urban planning, to engineering iconic buildings and designing sustainable transport networks, to developing the energy sources of the future and enabling new ways of extracting essential resources. Approximately 34,000 employees, including engineers, technicians, scientists, architects, planners, surveyors, program and construction management professionals, as well as various environmental experts, work for this dynamic organization in more than 500 offices across 40 countries worldwide. wsp-pb.com/usa

WSP|Parsons Brinckerhoff is seeking a qualified engineering candidates for a Hydrology and Hydraulic Design Engineer (Senior Engineer) position in our Lawrenceville, New Jersey office. This position is an opportunity to work on complex hydraulic, roadway drainage and stormwater management design projects driven by current regulatory requirements, water-quality regulations, and permits. This position will require extensive interaction and interface with internal and external clients. Active participation in professional organizations is strongly encouraged. Some support of marketing activities will be necessary.

Job Responsibilities Include:

- Project task management, technical leadership and may include supervision of less experienced engineers on a diverse project workload
 - The engineer will prepare drainage designs and perform hydraulic and surface water modeling/ stormwater management analyses considering control of water quantity and quality and groundwater recharge
 - The engineer will work with design team, environmental staff and regulatory agencies to support the permitting process for various projects.
- Some local travel and occasional overnight travel will be required for this position.

Job Requirements

Education Required:

- BS degree in Civil/ Water Resources/ Environmental Engineering
- Advanced degree in a related field is a plus

Experience/Skills Required:

- A minimum of 5 years of related work experience

- Ability to work effectively as part of an engineering team is essential
- Ability to take task lead responsibility
- Strong understanding of hydraulics and hydrology in engineering design, including runoff calculations, open-channel hydraulics including application to bridge hydraulic analysis, culvert design and detention structure/BMP design principles
- Experience in hydraulic modeling using HEC-RAS
- Minimum of 5 years project experience in the following areas:
 -
- Drainage design (NJDOT experience preferred)
- Stormwater management design (NJ Stormwater Rule and BMP Manual experience preferred)
- Floodplain permitting (NJDEP experience preferred)

Desired Qualifications:

- New Jersey PE license (or the ability to obtain within 1 year) is desired
- Proficiency in AutoCAD Civil 3D and/or MicroStation desired

The selected candidate must have the ability to work in the United States immediately.

Local candidates only.

EOE / Veteran/ Disability/ Gender (M-F)/Gender Identity/ Sexual Orientation

EOE / Veteran/ Disability/ Gender (M-F)/Gender Identity/ Sexual Orientation