

Position: Transportation Drainage Engineer

Department: Transportation

Positions Supervised: None

FLSA Status: Exempt

Reports To: Transportation EVP

Summary

The transportation drainage engineer is responsible for designing systems that move water from one place to another, as safely and efficiently as possible. This is a highly technical role involving use of advanced computer modelling tools. When designing drainage systems, the drainage engineer must analyze factors such as environmental impact, aesthetics, and project costs, and this position must be aware of local laws governing drainage system construction.

Essential Duties and Responsibilities

- Production of design calculations, technical reports, permitting, and engineering plans and specifications for design of roadway drainage facilities, storm drains/sewers, and detention facilities.
- Provide strong and focused support for transportation projects in area of hydrology and hydraulics for roadway drainage and major and minor crossing structures.
- Analyze and design urban storm drainage systems (hydrology, hydraulics, stormwater quality, and detention).
- Produce hydrologic and hydraulic analyses with computer aided software and proprietary models.

Position Requirements

- Bachelor's degree in Civil Engineering
- Florida PE
- Task Management experience with hydraulic and hydrology design and analysis.
- Familiarity with CAD, particularly Microstation
- Familiarity with FDOT design standards and policies.
- Demonstrated FDOT knowledge and ability to execute hydraulic analyses and design projects accurately and within specified deadlines.
- Knowledge of stormwater design including conveyance systems and stormwater treatment using appropriate BMPs suitable for linear transportation projects.
- Ability to prepare Erosion and Sedimentation Control Plans per FDOT and FDEP requirements.
- In-depth understanding of FDOT Drainage Manual.
- Use of various software platforms including Microstation, ASAD, and ICPR.
- Excellent communication skills, both verbal and written

EOE/DFWP

This job description is representative of typical responsibilities and is not intended to be a complete list of all duties or skills required for the job. It is subject to review and change at any time, with or without notice, in accordance with company needs..