



Scope: DeSoto Parish Police Jury

Job Title: Public Works Engineer

Category: Administration

Salary: \$48,880 - \$73,320

The Public Works Engineer supports the Road Superintendent and Parish Engineer with maintenance and construction including but not limited to roadway, drainage, bridges, signage, ordinance enforcement, herbicide spraying, etc. at the Road Department (primary duties) and other Parish infrastructure assets (secondary).

Duties and Responsibilities: (Reports to Parish Engineer)

- Assist Parish Engineer with analysis and design of roadway, drainage, and bridge maintenance and constructions projects.
- Assist Parish Engineer with topographic and design surveys.
- Assist Parish Engineer and Road Superintendent with preparing the Annual Road Program.
- Assist Parish Engineer and Road Superintendent with creating design and construction standards (quality, time, safety, cost, etc).
- Assist Parish Engineer and Road Superintendent with evaluating work in progress and ensuring the said work is completed in accordance with established standards. (quality, time, safety, cost, etc.)
- Assist Parish Engineer and Road Superintendent with construction surveys.
- Assist Parish Engineer and Road Superintendent with work scheduling and completion.
- Assist Parish Engineer and Road Superintendent with analyzing existing roadway conditions and make recommendations for prioritizing and correcting deficiencies.
- Assist Parish Engineer and Road Superintendent with training and oversight of work performed in association with herbicide spraying, bridge inspections, roadway signage, and road use enforcement.
- Assist Parish Engineer and Road Superintendent with developing, implementing, and maintaining QA/QC Programs.
- Assist Parish Engineer with managing the performance of contracted consultants and contractors.
- Assist Parish Engineer with the developing of new technical ordinances.
- Assist Parish Engineer with analysis, design, and construction of other Parish Facilities (Solid Waste, Buildings, Parks, Airport, etc.)
- Prepares reports on results of tasks assigned by Parish Engineer and Road Superintendent.

Qualifications:

- Graduate of an ABET accredited university with the Bachelor of Science degree in civil engineering.
- Possession of a current Louisiana Engineer Intern Certificate or Registered Professional Engineer.
- Five (5) years minimum of progressively more responsible roadway analysis, design, and construction engineering experience subsequent to graduation and supervised by a Registered Professional Engineer.
- Knowledgeable of state and federal laws and regulations related to roadway analysis, design, and construction.
- Ability, desire, and willingness to obtain Louisiana Professional Engineering license within five (5) years of date-of-hire if not currently held.
- Possess a valid driver's license
- Must be able to pass a pre-employment drug screening, physical, and background check.

- The ability to plan, initiate and execute procedures in compliance with policies and to solve and properly explain said procedures both verbally and in writing to persons at all skill levels.
- Extensive computer and computer software skills both for business and technical use.
- Ability to harmoniously work with people of all skill levels and backgrounds.

Preferred:

- Five (5) years minimum building, solid waste, airport, and parks analysis, design, and construction engineering experience subsequent to graduation.
- Knowledgeable of state and federal laws and regulations related to building, solid waste, airport, and parks analysis, design, and construction.
- Familiarity with the operation and maintenance of vehicles and equipment used by the Road Department.
- Demonstrated technical, managerial, fiscal, and communication skills.
- Knowledgeable of the organization, functions, and operations of local government in Louisiana.
- Familiarity with noise monitoring and enforcement.
- Familiarity with Manual on Uniform Traffic Control Devices (MUTCD).
- Familiarity with hydraulic analysis and Auto Cad software.
- Familiarity with "total station" surveying equipment.
- Familiarity with concrete bridge and RCB design/inspection.
- Familiarity with asphaltic-cement pavement design for local roads.

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. While performing the duties of this job, the employee will work in inclement weather, be required to stand, reach, stoop and kneel; and to lift and/or move up to 50 pounds.