



Scope: DeSoto Parish Police Jury

Job Title: Public Works Engineer I

Category: Administration

Salary: \$55,000-85,000

The Public Works Engineer supports the Parish Engineer and Department Heads with maintenance and construction projects including but not limited to roadway, drainage, bridges, solid waste, airport, buildings, parks, and other Parish infrastructure assets. The Public Works Engineer reports to the Parish Engineer.

Duties and Responsibilities:

- Assist Parish Engineer with analysis, design, and construction of maintenance and construction infrastructure projects.
- Assist Parish Engineer with topographic, construction, and design surveys, soil testing and materials testing.
- Assist Parish Engineer and Department Heads with preparing their Annual Work Programs.
- Assist Parish Engineer and Department Heads with creating design and construction standards (quality, time, safety, cost, etc).
- Assist Parish Engineer and Department Heads with evaluating work in progress and ensuring said work is completed in accordance with established standards. (quality, time, safety, cost, etc.)
- Assist Parish Engineer and Department Heads with work scheduling and completion.
- Assist Parish Engineer and Department Heads with analyzing existing infrastructure conditions and make recommendations for prioritizing and correcting deficiencies.
- Assist Parish Engineer and Department Heads with training and oversight of work performed in association with herbicide spraying, bridge inspections, roadway signage, and road use enforcement.
- Assist Parish Engineer and Department Heads 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.
- Prepares reports on results of tasks assigned by Parish Engineer.

Qualifications:

- Bachelor of Science degree (4 years) in civil engineering, or related field (eg. geology, construction management, engineering technology).
- Five (5) years minimum of progressively more responsible roadway, drainage, bridges, solid waste, airport, buildings, and parks, analysis, design, and construction and engineering experience subsequent to graduation.
- Knowledgeable of state and federal laws and regulations related to the analysis, design, and construction of the types of projects described herein.
- 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:

- Ability, desire, and willingness to obtain Louisiana Professional Engineering license within five (5) years of date-of-hire if not currently held.
- Ten (10) years minimum roadway, building, solid waste, airport, parks, and other infrastructure analysis, design, and construction engineering experience subsequent to graduation.
- Familiarity with the operation and maintenance of vehicles and equipment used by the Police Jury.
- 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, Auto Cad, and ESRI (Arc GIS) software.
- Familiarity with "total station" surveying equipment.
- Familiarity with concrete bridge and RCB design/inspection.
- Familiarity with asphaltic-cement pavement design for local roads.
- Familiarity with building codes, fire codes, ADAAG, building security, etc.
- Familiarity with landfill regulations.

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.