



EFFINGHAM COUNTY BOARD OF COMMISSIONERS

Job Title: Transportation Engineer	Job Code:
Reports to: County Engineer	FLSA Status: Exempt
Department: County Engineering Services	Approved:

Purpose of Classification:

The Transportation Engineer is pivotal in County Engineering Services, responsible for planning, designing, and managing roadway and transportation-related capital improvement projects, as well as reviewing right-of-way and driveway permits to ensure compliance with county standards and state regulations. This position oversees projects from concept through construction, prepares and reviews technical designs, manages budgets and schedules, and coordinates with internal departments, consultants, contractors, utility agencies, and the public. The Transportation Engineer supports the county's effort to deliver safe, efficient, and well-designed transportation infrastructure.

Essential Functions:

Capital Improvements Project Management

- Plan, design, and manage roadway capital improvement projects from concept development through construction completion.
- Develop project scopes, technical designs, cost estimates, schedules, and budget forecasts.
- Oversee consultant contracts, including preparation of RFPs, selection processes, contract negotiations, and performance monitoring.
- Perform and/or review roadway and drainage design work to ensure compliance with county, state, and federal engineering standards.
- Support construction activities by reviewing shop drawings, responding to RFIs, conducting field visits, and addressing design-related issues.
- Prepare staff reports, maps, engineering analyses, and presentations for county leadership and the Board of Commissioners.
- Monitor TSPLOST, grant, or state/federal funding utilized in transportation projects to ensure compliance and reporting accuracy.
- Conduct field inspections to verify design implementation, assess roadway conditions, and support problem-solving in the field.

Permit Review & Regulatory Compliance

- Review driveway permits, right-of-way encroachment permits, road cut permits, and transportation-related development plans.
- Ensure compliance with county development regulations, engineering standards, ADA requirements, and applicable GDOT guidelines.



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- Communicate with developers, engineers, and contractors to resolve design deficiencies or permitting issues.
- Maintain accurate permit records and conduct field checks to verify compliance with approved submittals.
- Serve as a technical point of contact for right-of-way, transportation access, and roadway improvement concerns.

Coordination & Communication

- Coordinate with Public Works, Engineering, Planning & Zoning, Utilities, and Emergency Services regarding transportation needs.
- Attend public meetings, community outreach sessions, and Board of Commissioners meetings as required.
- Respond to citizen concerns related to roadway safety, traffic issues, and transportation infrastructure.
- Prepare technical reports, written correspondence, and project updates.

Preferred Education, Experience, and Attributes and Qualification Requirements:

Minimum Qualifications

- Equivalent engineering experience may be considered.
- Five (5) to nine (9) years of experience in transportation engineering, roadway design, construction inspection, or municipal permitting.
- Knowledge of roadway geometric design, traffic engineering principles, and construction methods.
- Ability to interpret and produce engineering plans, plats, specifications, and technical studies.
- Familiarity with GDOT design standards, permit processes, and local government capital improvement procedures.
- Proficiency in Microsoft Office; experience with GIS, AutoCAD, Civil 3D, or project management software preferred.
- Valid driver's license.

Preferred Qualifications

- Engineer-in-Training (EIT) or Professional Engineer (PE) certification.
- Experience designing or managing GDOT-funded projects, including local let procedures.
- Experience reviewing land development plans or managing right-of-way permitting.



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- Knowledge of stormwater and drainage design principles related to transportation projects.

Performance Aptitudes

Data Utilization:

- Requires the ability to review, classify, categorize, prioritize, and/or analyze data. This includes discretion in determining data classification and referencing such analysis to established standards to recognize actual or probable interactive effects and relationships.

Human Interaction:

- Requires the ability to apply principles of persuasion and/or influence.
- Equipment, Machinery, Tools, and Materials Utilization:
- Requires the ability to operate, maneuver, and/or control the actions of equipment, machinery, tools, and/or materials used in performing essential functions.

Verbal Aptitude:

- Requires utilizing various references, descriptive, and/or advisory data and information.

Mathematical Aptitude:

- Requires the ability to perform addition, subtraction, multiplication, and division; ability to calculate decimals and percentages; may include the ability to perform mathematical operations with fractions; may consist of the ability to compute discount, interest, profit and loss, ratio and proportion; may consist of the ability to calculate surface areas, volumes, weights, and measures.

Functional Reasoning:

- Requires the ability to apply principles of rational systems; to interpret instructions furnished in written, oral, diagrammatic, or schedule form; and to exercise independent judgment to adopt or modify methods and standards to meet variations in assigned objectives.

Situational Reasoning:

- Requires the ability to exercise judgment, decisiveness, and creativity in situations involving evaluating information against measurable or verifiable criteria.

ADA Compliance

Physical Ability:

- Tasks require exerting moderate, though not constant, physical effort. They typically involve climbing, balancing, stooping, kneeling, crouching, and



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crawling. They may include lifting, carrying, pushing, and/or pulling objects and materials of moderate weight (12-20 pounds).

Sensory Requirements:

- Some tasks require the ability to perceive and discriminate visual cues or signals, and some require the ability to communicate orally.

Environmental Factors:

- Performance of essential functions may require exposure to adverse environmental conditions, such as dirt, dust, pollen, wetness, humidity, temperature extremes, or traffic hazards.

** To comply with regulations by the Americans with Disabilities Act (ADA), the principal duties in job descriptions must be essential to the job. To identify essential functions, focus on the duties' purpose and result rather than how they are performed. The following definition applies: a job function is essential if removing that function would fundamentally change the job.