

Traffic Engineering Services for Central Region Operations (Richmond & Fredericksburg)

The Virginia Department of Transportation anticipates issuing a Request for Proposal (RFP) to consulting engineering firms who wish to be considered to provide professional engineering services for the VDOT's Central Region Operations.

Below is a list of anticipated standard labor classifications for the contract. Also provided is a list of other anticipated labor classifications and a brief description of each. This is an advance copy and is subject to change. A final list of proposed labor classifications will be provided in the advertised RFP.

Anticipated Standard Labor Classifications:

1. Project Manager
2. Sr. Engineer – Traffic
3. Engineer – Traffic
4. Jr. Engineer – Traffic
5. Sr. Engineer – Roadway
6. Engineer – Roadway
7. Jr. Engineer – Roadway
8. Sr. S&B Engineer
9. S&B Engineer
10. Sr. Construction Inspector
11. Construction Inspector
12. Environmental Permit Compliance Inspector
13. Licensed Surveyor
14. Survey Crew Chief
15. Senior Survey technician
16. Instrument Person
17. Researcher
18. Scanner Field Technician
19. SUE Engineer
20. SUE Crew Chief
21. SUE Field Technician
22. Specialist – Signals
23. Specialist – Communications
24. Specialist – Electrical
25. Specialist – Network & Systems
26. Data Analyst
27. Traffic Analyst
28. Senior ITS Engineer
29. ITS Specialist
30. Senior ITS Technician
31. Engineer – Geotechnical
32. Administrative Assistant

- 33. CADD/GIS Technician
- 34. Senior Planner
- 35. Planner
- 36. Jr. Planner
- 37. Public relations Specialist
- 38. Sr. Modeler
- 39. Modeler

Other Anticipated Classifications

#	Classification	Responsibilities	Qualifications
1.	Engineering Technician Senior	<ul style="list-style-type: none"> • Conduct complex traffic engineering studies. Data collection for studies in preparation of sketches or designs by collecting relevant data and accurately documenting field conditions. Review complex plans identifying omitted or unclear traffic or safety details. • Review and revise maintenance of traffic control plans and transportation management plans. • Serve as a team lead assisting with the day to day operations of technicians, on site reviews of project work zones and land use permit operations. • Prepare estimates ensuring that bid items, quantities, copied notes, special provisions, specifications, standards and applicable documents are accurate. • Responsible for contract development. 	<ul style="list-style-type: none"> • Typically possesses five (5) plus years of experience in Traffic Engineering (TE) related field. • Experience in traffic engineering studies, data collection and analysis, or design. • Demonstrated working knowledge of traffic engineering principles and current practices, standards and regulations. • Ability to collect, evaluate and analyze technical data and develop findings and recommendations. • Ability to develop solutions to complex traffic issues. • Ability to read and interpret road construction plans and prepare plan sketches. • Ability to lead and train others. • Skill in collecting and analyzing traffic data and developing recommendations. • BS degree in civil engineering or equivalent experience and training.
2	Engineer Technician	<ul style="list-style-type: none"> • Conduct routine to complex traffic engineering, safety and operational studies. • Collect and evaluate data, document field conditions, and develop recommendations for improvements. • Prepare sketches and designs using software applications. • Conduct plan reviews. 	<ul style="list-style-type: none"> • Typically possesses up to five (5) years of experience in Traffic Engineering (TE) related field. • Experience in traffic engineering studies, data collection and analysis, or design. • Knowledge of traffic engineering principles, roadway safety and traffic engineering regulations, specifications and guidelines. • Ability to collect, evaluate and analyze technical data and develop findings and recommendations. • Ability to read and interpret road construction plans and prepare plan sketches.

<p>3</p>	<p>GIS Analyst</p>	<ul style="list-style-type: none"> • Conducts geospatial analyses and prepares GIS maps independently under broad direction from Planners and Engineers. • Conducts complex traffic engineering studies. • Conducts traffic signal studies and modifications, roadway and pedestrian safety and capacity analysis, speed studies, and other special studies in accordance with traffic engineering principles. • Conducts data quality management through the integration of data sources. • Conducts data quality management through the integration of data sources. 	<ul style="list-style-type: none"> • Demonstrated experience in using GIS for transportation planning and analysis. • Demonstrated knowledge of transportation planning principles and techniques, as well as planning related software packages. • Demonstrated knowledge of federal, state, and local transportation planning related policies and guidelines. • Demonstrated skills in using ESRI ArcGIS software, SQL, and Microsoft Office applications. • Ability to gather and analyze data and prepare technical reports. • Demonstrated experience in similar roles/responsibilities on transportation infrastructure project.
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