Title: Civil Engineer III - Traffic Operations

Application Deadline Date: 09/04/2019
Req ID: 2386
Department: Transportation Agency
Location: Berlin, VT, US
Position Type: Permanent
Schedule Type: Full Time
Hourly Rate: $25.54

Overview
The Civil Engineer will serve as a Traffic Engineer within the Traffic Operations Section of the Operations and Safety Bureau at the Agency of Transportation. The Traffic Engineer will work on a wide range of tasks related to traffic and traffic mobility on a statewide level.

Examples of potential traffic and mobility engineering tasks include: Road Safety Audit Reviews, traffic signal warrant analysis, traffic signal retiming, small-scale safety improvement projects, engineering studies for the Vermont Traffic Committee, travel time reliability analysis related to federal PM3 reporting, and other statewide traffic and mobility issues as they arise.

This position may also be involved with writing or rewriting guidance and policy documents related to Traffic Engineering.

Who May Apply
This position, Civil Engineer III (Job Req #2386), is open to all State employees and external applicants.

Please Note: This position is being recruited at multiple levels. If you would like to be considered for more than one level, you MUST apply to the specific Job Requisition.

- Civil Engineer I (#2385)
- Civil Engineer II (#2361)
- Civil Engineer III (#2386)

If you would like more information about this position, please contact Ian Degutis at ian.degutis@vermont.gov.

Please note that multiple positions in the same work location may be filled from this job posting.

Resumes will not be accepted via e-mail. You must apply online to be considered.

Environmental Factors

Duties are largely performed in an office and field setting. Private means of transportation must be available. Fieldwork may involve exposure to hazardous materials, traffic hazards and construction sites during all weather conditions; and may involve traversing rough terrain and bodies of water. Some work outside of regular working hours, including attendance at public meetings, may be required. Strong differences of opinion may be encountered on a regular basis.

Minimum Qualifications

Bachelor's degree in civil engineering OR registration as a Professional Engineer (PE) AND EITHER two (2) years or more of professional experience in civil engineering OR three (3) years or more of technical experience performing engineering support tasks involved in the planning, surveying, design, inspection, construction, research and statistics, testing, investigation, or maintenance of various types of civil engineering projects or operations.

OR

Bachelor's degree in any field of engineering AND EITHER three (3) years or more of professional engineering work OR three (3) years or more as a technician performing engineering support tasks involved in planning, surveying, design, roadway and bridge construction inspection, research and analysis, materials testing, and investigation.

OR

Bachelor's degree in civil engineering or registration as a Professional Engineer (PE) AND one (1) year or more of graduate coursework in civil engineering AND EITHER one (1) year or more of professional experience in civil engineering OR two (2) years or more of technical experience performing engineering support tasks involved in the planning, surveying, design, inspection, construction, research and statistics, testing, investigation, or maintenance of various types of civil engineering projects or operations.

OR
Bachelor's degree in any field of engineering AND one (1) year or more of graduate coursework in civil engineering AND EITHER two (2) years or more of professional engineering work OR two (2) years or more as a technician performing engineering support tasks involved in planning, surveying, design, roadway and bridge construction inspection, research and analysis, materials testing, and investigation.

OR

Eighteen (18) months or more of experience as a Civil Engineer II in the Agency of Transportation with the State of Vermont.

Preferred Qualifications

Ability to efficiently execute clear, concise communication orally and in writing.

Strong technical writing skills, including preparing guidance documents (e.g. engineering guidance documents for Agency staff and consultants; guidance documents to assist municipalities).

Familiarity with transportation publications and softwares such as MUTCD; AASHTO publications; Synchro; Highway Capacity Manual; Microstation; ArcMap/ArcGIS.

Familiarity with data and tools to use and manipulate it, such as Excel, PowerBI, etc.

Ability to interact politely and professionally with Agency staff, law enforcement, and the public on a variety of sensitive issues regarding traffic control devices and highway safety.

Total Compensation

As a State employee you are offered a great career opportunity, but it's more than a paycheck. The State's total compensation package features an outstanding set of employee benefits that are worth about 30% of your total compensation, including:

- 80% State paid medical premium
- Dental Plan at no cost for employees and their families
- Flexible Spending healthcare and childcare reimbursement accounts
- Two ways to save for your retirement: A State defined benefit pension plan and a deferred compensation 457(b) plan
- Work/Life balance: 11 paid holidays each year and a generous leave plan; many jobs also allow for a flexible schedule
- Low cost group life insurance
- Tuition Reimbursement
- Incentive-based Wellness Program
- Qualified Employer for Public Service Student Loan Forgiveness Program

Want the specifics? Explore the Benefits of State Employment on our website.

Equal Opportunity Employer

The State of Vermont is an Equal Opportunity Employer. Applications from women, individuals with disabilities, veterans, and people from diverse cultural backgrounds are encouraged.