

State of Vermont
Operations & Safety Bureau
2178 Airport Rd
Barre, VT 05641
vtrans.vermont.gov

[phone] 802-371-8827
[fax] 802-828-2437
[ttd] 800-253-0191

Agency of Transportation

Civil Engineer IV - Traffic Operations

Application Deadline Date: 05/02/2021

Req ID: 14364

Department: Transportation Agency

Location: Berlin, VT, US

Position Type: Permanent

Schedule Type: Full Time

Hourly Rate: \$23.67

Overview

This position 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 safety and mobility on a statewide level, as well as supporting the Bicycle and Pedestrian program.

Examples of potential engineering tasks include: Road Safety Audit Reviews, traffic signal warrant analysis and retiming, small-scale safety improvement projects, engineering studies for the Vermont Traffic Committee, review of project plans, assisting with implementation of Complete Streets guidance within VTrans, review of Bicycle and Pedestrian grant applications, providing technical assistance to municipalities, and other statewide traffic and mobility issues as they arise.

This position will also be involved with writing or rewriting guidance and policy documents related to Traffic Engineering. The ideal candidate will bring creative solutions and big ideas combined with the technical skills and determination to bring them to bear.

Who May Apply

This position, Civil Engineer IV (#14364), 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 IV (#14364)
- Civil Engineer V (#14461)
- Civil Engineer VI (#14462)

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 generally performed in both an office and field setting for which 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 three (3) years of minimum professional experience in civil engineering.

OR
Bachelor's degree in any field of engineering AND four (4) years or more of professional civil engineering work.

OR
Master's degree in civil engineering AND one (1) year or more of professional civil engineering work.

OR
Two (2) years or more of experience as a Civil Engineer III in the Agency of Transportation with the State of Vermont.

Preferred Qualifications

- Licensed as a Professional Engineer in the State of Vermont.
- Ability to efficiently execute clear, concise communication orally and in writing.
- Strong technical writing skills, including both corresponding with a wide range of people of varying levels of technical expertise and writing engineering guidance documents for Agency staff and consultants.
- Familiarity with MUTCD; AASHTO and FHWA publications; VTrans Standards, Specifications and policies as related to traffic and bicycle/pedestrian design(signs, pavement markings, traffic signals, work zones, etc.). Understanding of how traffic engineering and consideration of pedestrian and bicycle safety interacts with community and economic development.
- Familiarity with various sources of traffic data, including but not limited to commercial probe data, NPMRDS data, existing sensors (e.g. RWIS, WIM) and other technology (e.g. BlueToad) for monitoring traffic conditions, identifying and prioritizing locations where improvements can be made for traffic mobility, as well as counting techniques for bicycle and pedestrian counts on both
- Ability to determine priorities among simultaneous competing requests and requirements, and track progress on multiple tasks.
- Ability to interact politely and professionally with Agency staff, law enforcement, municipalities, regional planning commission staff, consulting engineers, 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 celebrates diversity, and is committed to providing an environment of mutual respect and meaningful inclusion that represents a variety of backgrounds, perspectives, and skills. The State does not discriminate in employment on the basis of race, color, religion or belief, national, social or ethnic origin, sex (including pregnancy), age, physical, mental or sensory disability, HIV Status, sexual orientation, gender identity and/or expression, marital, civil union or domestic partnership status, past or present military service, membership in an employee organization, family medical history or genetic information, or family or parental status. The State's employment decisions are merit-based. Retaliatory adverse employment actions by the State are forbidden.

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Agency of Transportation

Civil Engineer V - Traffic Operations

Application Deadline Date: 05/02/2021

Req ID: 14461

Department: Transportation Agency

Location: Berlin, VT, US

Position Type: Permanent

Schedule Type: Full Time

Hourly Rate: \$25.09

Overview

This position 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 safety and mobility on a statewide level, as well as supporting the Bicycle and Pedestrian program.

Examples of potential engineering tasks include: Road Safety Audit Reviews, traffic signal warrant analysis and retiming, small-scale safety improvement projects, engineering studies for the Vermont Traffic Committee, review of project plans, assisting with implementation of Complete Streets guidance within VTrans, review of Bicycle and Pedestrian grant applications, providing technical assistance to municipalities, and other statewide traffic and mobility issues as they arise.

This position will also be involved with writing or rewriting guidance and policy documents related to Traffic Engineering. The ideal candidate will bring creative solutions and big ideas combined with the technical skills and determination to bring them to bear.

Who May Apply

This position, Civil Engineer I (#14661), 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 IV (#14364)
- Civil Engineer V (#14461)
- Civil Engineer VI (#14462)

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 setting; however, some field travel may be necessary for which 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

Master's degree or higher in civil engineering OR registration as a Professional Engineer (PE) AND two (2) years of professional work experience in civil engineering.



OR
Master's degree or higher in any field of engineering AND (3) years or more of professional work experience in civil engineering.

OR
Bachelor's degree in civil engineering OR registration as a Professional Engineer (PE) AND four (4) years or more of professional work experience in civil engineering.

OR
Bachelor's degree in any field of engineering AND five (5) years or more of professional work experience in civil engineering.

OR
Three (3) years or more of experience as a Civil Engineer IV in the Agency of Transportation with the State of Vermont.

Preferred Qualifications

- Licensed as a Professional Engineer in the State of Vermont.
- Ability to efficiently execute clear, concise communication orally and in writing.
- Strong technical writing skills, including both corresponding with a wide range of people of varying levels of technical expertise and writing engineering guidance documents for Agency staff and consultants.
- Familiarity with MUTCD; AASHTO and FHWA publications; VTrans Standards, Specifications and policies as related to traffic and bicycle/pedestrian design(signs, pavement markings, traffic signals, work zones, etc.). Understanding of how traffic engineering and consideration of pedestrian and bicycle safety interacts with community and economic development.
- Familiarity with various sources of traffic data, including but not limited to commercial probe data, NPMRDS data, existing sensors (e.g. RWIS, WIM) and other technology (e.g. BlueToad) for monitoring traffic conditions, identifying and prioritizing locations where improvements can be made for traffic mobility, as well as counting techniques for bicycle and pedestrian counts on both
- Ability to determine priorities among simultaneous competing requests and requirements, and track progress on multiple tasks.
- Ability to interact politely and professionally with Agency staff, law enforcement, municipalities, regional planning commission staff, consulting engineers, and the public on a variety of sensitive issues regarding traffic control devices and highway safety.

Special Requirements

NOTE: Some positions may require one year of supervisory experience. Participation in the State's Supervisor's Development Program may be substituted for supervisory experience.

NOTE: Some positions in this class may require registration as a professional engineer.

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

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Agency of Transportation

Civil Engineer VI - Traffic Operations

Application Deadline Date: 05/02/2021

Req ID: 14462

Department: Transportation Agency

Location: Berlin, VT, US

Position Type: Permanent

Schedule Type: Full Time

Hourly Rate: \$26.60

Overview

This position 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 safety and mobility on a statewide level, as well as supporting the Bicycle and Pedestrian program.

Examples of potential engineering tasks include: Road Safety Audit Reviews, traffic signal warrant analysis and retiming, small-scale safety improvement projects, engineering studies for the Vermont Traffic Committee, review of project plans, assisting with implementation of Complete Streets guidance within VTrans, review of Bicycle and Pedestrian grant applications, providing technical assistance to municipalities, and other statewide traffic and mobility issues as they arise.

This position will also be involved with writing or rewriting guidance and policy documents related to Traffic Engineering. The ideal candidate will bring creative solutions and big ideas combined with the technical skills and determination to bring them to bear.

Who May Apply

This position, Civil Engineer VI (#14662), 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 IV (#14364)
- Civil Engineer V (#14461)
- Civil Engineer VI (#14462)

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Environmental Factors

Duties are largely performed in an office setting; however, some field travel may be necessary for which 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 five (5) years of cumulative professional experience in civil engineering, including or supplemented by two years of supervisory experience.

OR

Bachelor's degree in any field of engineering AND six (6) years or more of professional civil engineering work, including or supplemented by two years of supervisory experience.

OR

Four (4) years or more as a Civil Engineer V in the Agency of Transportation with the State of Vermont.

OR

Master's degree in civil engineering AND three (3) years or more of professional experience in civil engineering, including or supplemented by two years of supervisory experience.

Preferred Qualifications

- Licensed as a Professional Engineer in the State of Vermont.
- Ability to efficiently execute clear, concise communication orally and in writing.
- Strong technical writing skills, including both corresponding with a wide range of people of varying levels of technical expertise and writing engineering guidance documents for Agency staff and consultants.
- Familiarity with MUTCD; AASHTO and FHWA publications; VTrans Standards, Specifications and policies as related to traffic and bicycle/pedestrian design(signs, pavement markings, traffic signals, work zones, etc.). Understanding of how traffic engineering and consideration of pedestrian and bicycle safety interacts with community and economic development.
- Familiarity with various sources of traffic data, including but not limited to commercial probe data, NPMRDS data, existing sensors (e.g. RWIS, WIM) and other technology (e.g. BlueToad) for monitoring traffic conditions, identifying and prioritizing locations where improvements can be made for traffic mobility, as well as counting techniques for bicycle and pedestrian counts on both
- Ability to determine priorities among simultaneous competing requests and requirements, and track progress on multiple tasks.
- Ability to interact politely and professionally with Agency staff, law enforcement, municipalities, regional planning commission staff, consulting engineers, and the public on a variety of sensitive issues regarding traffic control devices and highway safety.

Special Requirements

NOTE: Some positions may require two years of supervisory experience. Participation in the State's Supervisor's Development Program may be substituted for supervisory experience.

NOTE: Some positions in this class may require registration as a professional engineer.

Total Compensation

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