



# Senior Traffic Engineer

Class Code:  
March 2023

CITY OF PASCO  
Established Date: Mar 17, 2023

## SALARY RANGE

\$49.65 - \$59.60 Hourly  
\$103,272.00 - \$123,968.00 Annually

## SUMMARY OF POSITION:

Under the direction of the Public Works Director, perform complex traffic/transportation planning design and project management; plan, monitor, and control the design and analysis of complex traffic/transportation engineering studies, projects, budgets, and plan development; make presentations and represent the City on complex traffic/transportation engineering reviews. Participate in the plan review process for development, as well as the City's traffic safety, bicycle, and pedestrian programs.

## ESSENTIAL FUNCTIONS:

*Additional job functions may vary due to department or City needs/requirements. Assignments may include but are not limited to:*

- Provide traffic engineering, coordination, management and/or support for the planning, design, construction and maintenance of in-house and consultant-designed transportation projects; perform long-range planning.
- Monitor and maintain operation of traffic signal system including developing signal timing plans, corridor coordination plans, and responding to resident complaints.
- Develop, recommend and implement intersection and signal system timings and plans, use of appropriate traffic control devices, and detour patterns for construction projects.
- Perform traffic studies and analysis for determining intersection level of service, including crash analysis, turning movements, pedestrian activity, etc.; review traffic studies from consultants and developers.
- Communicate with City officials, contractors, consulting engineers and the general public regarding traffic/transportation engineering issues and projects; assist, advise and direct the general public on construction practices and code requirements.
- Systematically review accident records; perform and reviews studies for changes in traffic control devices.

- Review complex engineering plans and drawings for construction projects within the City for signing, striping and other traffic related issues to ensure compliance with City ordinances and policies; approve plans or indicate deficiencies with corrective action guidelines; make complex calculations involving assigned traffic engineering specialty; review calculations and designs of others to assure conformance with City engineering standards.
- Communicate with residents on a variety of issues; respond to complaints or questions and attempt to resolve or direct individuals to the appropriate staff to achieve quick resolutions.
- Develop and propose new City specifications and ordinances and changes to standard details; read and remain current on State and Federal specifications and regulations, to perform field and office engineering duties.

#### **OTHER JOB FUNCTIONS:**

- Perform a wide variety of office and field support duties as required.
- Perform other related duties as assigned.

## **KNOWLEDGE, SKILLS, AND ABILITIES:**

*The minimum amount of knowledge, skill, and ability necessary to competently perform the essential functions of the position.*

#### **Knowledge of:**

- The principles and techniques of traffic operational studies and investigations, and a complete understanding of the application of the MUTCD, traffic surveys, road design, capacity analysis, level of service analysis, traffic control device studies and crash data collection and analysis.
- Applicable Federal, State and local laws, rules, codes and regulations related to assigned activities.
- Policies and objectives of assigned program and activities.
- Advanced principles, practices, methods and techniques of traffic/transportation engineering related to Public Works projects.
- Technical specialty within traffic/transportation engineering discipline, appropriate to assignment.
- Modern engineering methods as applied to the design, project management and construction of public works, public utilities, transportation and general construction.
- City organization, operations, policies and objectives.
- Principles of work direction and guidance of other technical personnel.
- Research methods and report writing techniques.
- CAD equipment, traffic analysis, and signal timing software.
- Modern office practices, methods, procedures and equipment.
- Record-keeping principles, procedures, and techniques.
- Correct English usage, grammar, spelling, punctuation and vocabulary.
- Public speaking techniques.
- Interpersonal skills using tact, patience and courtesy.
- Technical aspects of field of specialty.

#### **Ability to:**

- Interpret, apply and explain codes, rules, regulations, policies and procedures.
- Plan, monitor and control the design and conduct of complex traffic engineering studies and projects.

- Plan, design, evaluate transportation engineering projects to ensure objectives and codes are followed.
- Evaluate, select, configure, deploy and monitor complex traffic control devices and equipment, including traffic signal control hardware and software systems.
- Prepare State and Federal grant applications and construction contracts and conduct presentations for obtaining construction funds.
- Coordinate and direct outside engineering consultants and firms.
- Inspect work in progress and upon completion to assure performance complies with contracts and City, State and Federal specifications and regulations.
- Perform difficult and complex engineering mathematical computations.
- Make verbal presentations and lead technical meetings.
- Maintain records and prepare comprehensive reports.
- Observe legal and defensive driving practices.
- Communicate effectively both orally and in writing; comprehend and use English effectively including producing all forms of communications in a clear, concise, and understandable manner to intended audiences.
- Organize and prioritize a variety of projects and multiple tasks in an effective and timely manner; work independently with little or no direction, organize own work, set priorities, and meet critical time deadlines.
- Operate modern office equipment including personal computer equipment using standard or customized software application programs appropriate to assigned tasks.
- Use tact, initiative, prudence, and independent judgment within general policy, procedural, and legal guidelines.
- Establish, maintain, and foster positive and effective working relationships with those contacted in the course of work.

## **POSITION QUALIFICATIONS:**

### **EDUCATION & EXPERIENCE:**

*Any equivalent combination of education and experience which provides the applicant with the knowledge, skills and abilities required to perform the job.*

- Bachelor's degree from an accredited college/university in Civil or Traffic Engineering or closely related field.
- Five (5) years of progressively responsible engineering experience in traffic or transportation engineering design.
- Previous public works and public agency project experience is preferred.

### **LICENSES, CERTIFICATIONS, AND OTHER REQUIREMENTS:**

*Certain licenses and certificates, if required, may be acquired on the job as agreed upon by the City and employee. Subject to change based on operational needs.*

- Valid Washington State driver's license.
- Registered Professional Engineer of Washington State (PE) or reciprocity in six months.
- Professional Traffic Operations Engineer (PTOE) in the State of Washington is desirable.

## **WORKING CONDITIONS AND PHYSICAL REQUIREMENTS:**

Work is primarily performed in an office environment while stationed at a desk or in the field on project or construction sites. Field inspections may occur that would require walking, stooping and climbing where there is exposure to heavy equipment, noise, varying/extreme weather conditions, blowing dust, varying terrain and/or traffic.