



King County Senior Bridge Engineer

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|---------------------------|--|------------------------|------------------------------|
| SALARY | \$49.51 - \$62.76 Hourly | LOCATION | Seattle, WA |
| JOB TYPE | Career Service, Full Time, 40 hrs/week | JOB NUMBER | 2023JA20475R1 |
| DEPARTMENT | DLS - Dept. of Local Services | DIVISION | Road Services |
| OPENING DATE | 01/04/2024 | CLOSING DATE | 1/21/2024 11:59 PM Pacific |
| FLSA | Non-Exempt | BARGAINING UNIT | C1 : PROTEC17-DES, DLS, DNRP |
| FULL- OR PART-TIME | Full Time | | |

Summary



King County Road Services Division has an excellent opportunity for you to be part of local government! We are looking for an enthusiastic **Senior Bridge Engineer (Engineer III)**. This position is a senior level structural engineering position to lead staff and design complex road and bridge structures. This is an exciting opportunity to work with the Road Services team and make a difference in our community!

Job Duties

To be considered for this opportunity, you must at a minimum, demonstrate knowledge, skill and ability to:

- Perform complex structural designs and prepare plan details, estimates, and specifications for bridges, walls, culverts and other roadway related structures.
- Perform structural analyses and studies and prepare written reports or technical memos with findings and recommendations.
- Function as a technical expert to guide design consultants and in-house engineers, provide advice to supervisor and upper managers
- Function as a Project Manager or Lead Engineer on tasks or project assignments from inception through construction.

- Provide quality control and assurance of designs, plans, specifications and cost estimates, and other engineering documents.
- Perform bridge live load rating analysis and load upgrade design.
- Review and issue overload truck and right-of-way use permits.
- Assist in resolving structural-related construction issues.
- Review and approve construction shop drawings, shoring plans, and supporting calculations.
- Perform structural lead inspections and prepare inspection reports.
- Other duties as assigned.

Experience, Qualifications, Knowledge, Skills

- Bachelor of Science Degree in Civil Engineering (BSCE) or closely related field in structural design, bridge engineering, or equivalent training and experience.
- Demonstrated experience in developing bridge designs and preparation of structural design plans, specifications and cost estimates
- Demonstrated experience using structural design software (e.g., CSI Bridge, STAAD Pro, PG Super, PG Splice, BRASS, etc.).
- Knowledge of the latest AASHTO LRFD Design Methodology, IBC, WSDOT Bridge Design Manual, ACI 318, PCI Design Manual, AISC Design Manual, AWS Welding Code, etc.
- Demonstrated experience applying seismic design and analysis, including computer modeling, dynamic analysis for seismic loads, mitigation of vibrations for bridge structures, push-over analyses, etc.
- Demonstrated knowledge of pre-stressed and post-tensioned concrete design and construction methods and applications.
- Demonstrated ability to analyze and design innovative solutions involving new and replacement bridge structures to increase efficiency in both material costs and time required for construction.
- Demonstrated ability to prepare written technical reports or memos based on the findings from project conceptual studies, structural analyses and condition inspections, etc.
- Demonstrated ability to work independently and lead staff.
- Ability to effectively interact, write and communicate technical, policy and political issues clearly with management, staff, consultants, citizens (diverse individuals and groups).
- Demonstrated predictable and reliable attendance.

Necessary Requirements:

- A Valid Washington State Driver's License
- Licensed Washington Professional Civil Engineer (PE).

Supplemental Information

Applications will be reviewed as they are received.

Supplemental Information:

- The typical work schedule for this position is 8:00 am – 4:30 pm, Monday – Friday. This position is overtime eligible.
- This position is represented by Professional Technical Employees Local 17.
- This recruitment may be used to fill additional vacancies to include Full Time Employment, special duty assignments, and Term Limited Temporary positions for up to 6 months.

Why King County Roads Services Division?

- **Competitive** – healthcare plans
- **Free** – transportation options
- **Manager Support** – structured employee assistance program
- **Paid** – vacation time (in addition to paid holidays)

- ***Paid*** – sick leave
- ***Paid*** – parental leave
- ***Deferred*** – compensation plan
- ***Fourteen*** – ***Twelve*** paid holidays and ***Two Additional*** personal holidays
- ***Awesome Employee Giving Program!***

TEMPORARY TELECOMMUTING REQUIREMENT

The work associated with this position will be performed through a combination of teleworking complemented with onsite work and meetings as needed. Employees will have access to shared workspaces at various King County facilities. Employees must reside in Washington state and within a reasonable distance to their King County worksite to respond to workplace reporting requirements. The individual in this position will be meeting with community members and organizations and will be expected to engage in face-to-face interactions throughout unincorporated King County.

Employees will be provided with a County issued laptop and must maintain a workspace with an internet connection (access may be supplemented in some situations) where they can reliably perform work and remain available and responsive during scheduled work hours. Please note that when employees conduct their work that is likely to bring them in contact with another individual, safety precautions may be required, including the wearing of masks in some situations. King County remains committed to reducing our carbon footprint.

King County has a robust collection of tools and resources to support working remotely. The individual selected for this opportunity will be joining an innovative and progressive team that is redefining how we work in the department's hybrid environment.

ABOUT THE DEPARTMENT

King County is the local service provider for the roughly quarter-million people who live in the unincorporated areas of the county; taken together, Unincorporated King County would be the second-largest city in the state. The Department of Local Services includes a Director's Office with a Community Service Area group, and the Road Services and Permitting Divisions. Together, this department provides a single executive point of accountability for delivery of local services to all citizen of unincorporated King County.

The King County Road Services Division designs, builds, operates and maintains roads and bridges in unincorporated areas of King County in an efficient and environmentally responsible manner to protect the public's investment and facilitate safe travel. The division is committed to ensuring the county's transportation system is safe and efficient for all uses and modes of travel. The Division is responsible for 1,500 miles of road and 185 bridges, 5.7 million feet of drainage ditches, over 44,000 traffic control signs, 78 traffic signals, and 50 traffic cameras in unincorporated King County.

ABOUT KING COUNTY

Forbes recently named King County as one of Washington State's best employers.

Together, with leadership and our employees, we're changing the way government delivers service and winning national recognition as a model of excellence. Are you ready to make a difference? ***Come join the team*** dedicated to serving one of the nation's best places to live, work and play. Guided by our ***"True North"***, we are making King County a welcoming community where every person can thrive. We value diversity, inclusion and belonging in our workplace and workforce. To reach this goal we are committed to workforce equity. Equitable recruiting, support, and retention is how we will obtain the highest quality workforce in our region; a workforce that shares and will help advance our guiding principles--we are one team; we solve problems; we focus on the customer; we drive for results; we are racially just; we respect all people; we lead the way; and we are responsible stewards. We encourage people of all backgrounds and identities to apply, including Native American and people of color, immigrants, refugees, women, LGBTQ+, people living with disabilities, and veterans.

COMMITMENT TO EQUITY AND SOCIAL JUSTICE

King County is an Equal Employment Opportunity (EEO) Employer. No person is unlawfully excluded from employment opportunities based on race, color, religion, national origin, sex (including gender identity, sexual orientation and pregnancy), age, genetic information, disability, veteran status, or other protected class. Our EEO policy applies to all employment actions, including but not limited to recruitment, hiring, selection for training, promotion, transfer, demotion, layoff, termination, rates of pay or other forms of compensation.

To learn more, please visit <http://www.kingcounty.gov/elected/executive/equity-social-justice.aspx>

WHO MAY APPLY: This position is open to all qualified applicants. First consideration will be given to current PROTEC17

members in the same classification that are eligible for lateral transfer.

Are you ready to APPLY?

If you are interested in pursuing this position, please follow the application instructions carefully. If you need this announcement in an alternate language or format, would like to request accommodation or assistance in the application or assessment process or if you have questions, please contact your recruiter listed on this job announcement.

The recruitment for this position is open to all applicants. Please submit the following:

1. A completed King County application is required.
2. Sample(s) of personally designed bridge plan (new, rehabilitated, or widening) that demonstrates applicant's ability to develop structural design plans.
3. We highly recommend that you also provide a cover letter and resume.

If you have any questions, please contact Janice Antonio, Senior HR Analyst, by e-mail at jantonio@kingcounty.gov, or by phone at 206-263-2003.

Benefits

King County offers a highly-competitive compensation and benefits package designed to meet the diverse needs of our employees and support our employees' health and well-being. Eligible positions receive the following benefits and have access to the following programs:

- Medical, dental, and vision coverage: King County pays 100% of the premiums for eligible employees and family members
- Life and disability insurance: employees are provided basic coverage and given the opportunity to purchase additional insurance for both the employee and eligible dependents
- Retirement: King County employees are eligible to participate in a pension plan through the Washington State Department of Retirement Systems and a 457(b) deferred-compensation plan
- Transportation program and ORCA transit pass
- 12 paid holidays each year plus two personal holidays
- Generous vacation and paid sick leave
- Paid parental, family and medical, and volunteer leaves
- Flexible Spending Account
- Wellness programs
- Onsite activity centers
- Employee Giving Program
- Employee assistance programs
- Flexible schedules and telecommuting options, depending on position
- Training and career development programs

For additional information about employee benefits, visit our [Benefits, Payroll, and Retirement Page](#).

This is a general description of the benefits offered to eligible King County employees, and every effort has been made to ensure its accuracy. If any information on this document conflicts with the provisions of a collective bargaining agreement (CBA), the CBA prevails.

NOTE: Benefits for Term Limited Temporary (TLT) or Short Term Temporary (STT) positions, including leave eligibility and/or participation in the pension plan through the Washington State Department of Retirement Systems, will vary based upon the terms and details of the position. Short Term Temporary positions are not eligible for an ORCA transit pass.

For inquiries about the specifics of this position, please contact the recruiter identified on this job posting.

Agency

King County

Address

King Street Center
201 South Jackson Street

Website

<http://www.kingcounty.gov/>

Senior Bridge Engineer Supplemental Questionnaire

***QUESTION 1**

Are you applying to this position as a Priority Placement Program participant and is this position the same or lower percentage of full-time and do you possess the skills and abilities to qualify for this position?

- Yes, I was given a layoff notice from my role at King County and I am within two years of the effective date of my layoff. AND, the position I was laid off from was the same or a higher percentage of FT status when compared to this one.
- No.

***QUESTION 2**

Are you applying to this position as an eligible current or previous King County Employee Priority Placement Program Participant? Is this position the same or lower percentage of full-time when compared to the position held at the point of the notification of layoff? Do you possess the skills and abilities to qualify for this position?

- Yes, I was given a layoff notice from my role at King County and I am within two years of the effective date of my layoff. Additionally, the position I was laid off from was the same or a higher percentage of FT status when compared to this one.
- No.

QUESTION 3

If you answered yes to the question above and you are applying for this position as a Priority Placement Participant, to be considered, you must provide the following three pieces of information in the space provided: 1. The title you held when you received your layoff notice 2. The department you worked in 3. The effective date of your layoff

* Required Question