SEEKING EMPLOYEE CANDIDATES



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CITY OF MADISON, WISCONSIN

OPEN TO:

ALL QUALIFIED APPLICANTS

JOB TITLE:

ENGINEER 1 OR 2

DEPT/DIV:

TRAFFIC ENGINEERING DIVISION

RESIDENCY:

DANE COUNTY RESIDENCY IS REQUIRED FOR THIS POSITION

SALARY:

\$42,840 to \$55,142 annually

NOTE:

Level and salary of hire will be dependent on applicant experience and needs of

the Traffic Engineering Division.

GENERAL RESPONSIBILITIES:

Engineer 1: This is entry level professional engineering work performed in the office and/or the field in connection with the design, maintenance and installation of streets, bikeways and traffic control devices including signs, traffic signals, street lights, pavement markings and in reviewing plans and other work associated with neighborhood traffic management and control devices. Assignments are received from higher level engineers or other transportation staff who define the scope of the work, review the work in progress and upon completion, certify the results. The work is characterized by the application of professional engineering expertise and the attainment of procedural knowledge through on-the-job training and experience. Engineer 2: This is intermediatelevel professional engineering work performed in the office and/or field in connection with the design and construction of public works projects and related traffic control devices. Assignments are received from higher level engineers who define the scope of the work, review the work in progress and upon completion, and certify the results. The work is characterized by the application of expanded professional expertise encompassing both theoretical concepts and operational considerations gained through experience.

EXAMPLES OF DUTIES AND RESPONSIBILITIES: Preparation and drafting of geometric designs for street improvements including the design and placement of traffic calming devices, and traffic control devices, including signs, traffic signals, street lights, pavement marking and in reviewing plans or other work associated with traffic planning and design. Prepare engineering plans, designs, and specifications. Coordinate design activities with other Engineering Units, City agencies, and other entities as necessary. **DRAFT PLANS AND SPECIFICATIONS USING COMPUTER-AIDED DESIGN AND DRAFTING (CADD).** Perform related work as required. Prepare project and construction cost estimates. Prepare narrative and statistical reports, maps, and other materials as necessary. Conduct basic engineering research. Assist in the review of outside plans and specifications for compliance with City Ordinances and state and federal regulations. Answer technical questions from the public, contractors, property owners, developers and elected officials about engineering considerations and plans. Attend public hearings and other public information meetings and provide project-related information as requested.

MINIMUM QUALIFICATIONS REQUIRED AT TIME OF APPLICATION

KNOWLEDGES, SKILLS AND ABILITIES:

Knowledge of the principles, theories, and practices of Civil Engineering. specifically as they relate to the design and construction of transportation projects and the Traffic Engineering field. Knowledge of the methods and techniques associated with the construction and inspection of transportation projects. Ability to make engineering computations and document them. Ability to perform computer-aided design and spreadsheet analysis. Ability to exercise professional expertise in the resolution of engineering problems. Ability to collect, analyze, and compile data and prepare technical reports. Ability to communicate effectively, both orally and in writing. Ability to communicate technical information in a clear and concise manner to contractors, developers, co-workers, the general public, and others. Ability to develop and maintain effective working relationships with supervisors, co-workers, contractors, developers, the general public and other parties. Ability to maintain accurate records. Ability to maintain adequate attendance. Engineer 2: In addition to the above, an Engineer 2 must have knowledge of civil and/or electrical engineering principles, theories and practices. Working knowledge of civil engineering survey, design, and construction practices as applied to the construction of transportation and traffic control facilities. Ability to maintain adequate attendance. Ability to assist in design, administer and supervise construction of public works projects involving traffic control devices. Ability to draft plans and specifications using computer-assisted design processes and techniques.

TRAINING AND EXPERIENCE:

Engineer 1: Graduation from an accredited college or university with a degree in Civil Engineering. Engineer 2: One year of professional engineering experience at the Engineer 1 or equivalent level with the City of Madison. Other combinations of training and/or experience in Traffic and Transportation Engineering which can be demonstrated to result in the possession of the knowledges, skills and abilities necessary to perform the duties of this position will also be considered.

SPECIAL NOTE:

Applications for this position will be reviewed based on a comparative evaluation basis. Only those applicants most closely possessing the knowledge, skills and abilities and training and experience requirements related to civil engineering in a Traffic or Transportation Engineering area will be considered.

NECESSARY SPECIAL QUALIFICATIONS:

Possession of, or eligibility for, a valid certificate of Engineer-in-Training or possession within one-year of employment.

NECESSARY SPECIAL QUALIFICATIONS:

This position requires possession of a valid Driver's License. You are required to complete the form entitled DRIVING SUPPLEMENTAL APPLICATION FOR CITY OF MADISON POSITIONS REQUIRING A COMMERCIAL DRIVER'S LICENSE (CDL) AND/OR DRIVER'S LICENSE.

APPLICATIONS:

Are available at the City Human Resources Department, Room 501, City-County Building, 210 Martin Luther King, Jr. Blvd., Madison, WI 53703; (608) 266-6500; FAX (608) 267-1115; TDD (608) 266-6548 (hearing impaired accessibility); http://www.cityofmadison.com/hr/jobopen.html. Applications will be accepted until 4:30 p.m. on September 30, 2005.

Reasonable accommodations for persons with a known disabling condition will be considered in accordance with State and Federal law. Persons needing assistance with examinations should contact the City of Madison Occupational Accommodations Specialist at (608) 267-1156.

REPRESENTATION: Non-Represented

CERT 2005402.DOC; JFC 2E; COMP GROUP 18; RANGE 08; PCN 1236; DEPT #57; 8/31/05; JH:13

In accordance with the Immigration Reform and Control Act of 1986, the City of Madison will hire only United States Citizens and aliens lawfully authorized to work in the United States. ALL applicants offered a City of Madison position will be required to personally present documentation, both to identify themselves and to prove that they are eligible for employment in the United States (Note - this also applies to U.S. Citizens). This MUST be done before employment begins. Further information can be obtained from the Human Resources Department. This information will be kept confidentially, in a separate file, in the Human Resources Department.

AN EQUAL OPPORTUNITY EMPLOYER FUNCTIONING UNDER AN AFFIRMATIVE ACTION PLAN.



	FOR OFFICE USE ONLY
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Please print or type all information and return to:

HUMAN RESOURCES DEPARTMENT
210 Martin Luther King, Jr. Boulevard, Room 501, City-County Building
Madison, Wisconsin 53703
Phone (608) 266-4615, Job Line (608) 266-6500, TDD/TDY (608) 266-6548, FAX (608) 267-1115; www.cityofmadison.com/jobs.html

Application forms must be received in our office no later than 4:30 p.m. on the closing date. Exceptions are NOT granted. We are not responsible for errors or delays made by the mail system or for mechanical failure of a FAX machine. If you use a FAX machine, the original document must be mailed to our office within 3 days after our receipt of the FAX. A separate application form MUST be submitted for each vacancy posted.

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APPLICATION FOR POSITION OF:					DEPARTMENT/DIVISION:			
LAST NAME: (PRINT CLEARLY)	FIRST NAME:			MIDDLE NAME:				
PRESENT ADDRESS (NUMBER, STREET):		CITY:		STATE:	ZIP CODE:		HOME PHONE NUMBER:	
MAILING ADDRESS - IF DIFFERENT THAN ABOV	VE (NUMBER, STREET):	CITY:		STATE:	ZIP CODE:		BUSINESS PHONE NUMBER:	
SOCIAL SECURITY NUMBER:*					E-MAIL ADDRESS:			
Are you a U.S. citizen or a legal reside	nt authorized to wor	c in the U.S.?					☐ Yes ☐ No	
If no, do you have an entry permit whic	ch allows you to work	?		☐ Not A	☐ Not Applicable ☐ Yes ☐ No			
Are you at least 18 years of age?							☐ Yes ☐ No	
Have you ever been employed by the	City of Madison?	When?		Dept.?			☐ Yes ☐ No	
Have you ever been terminated for cau				Dept.?			☐ Yes ☐ No	
Have you ever been terminated or disc	charged from employ	ment or resigned to a employer and date	avoid being discl	harged?			☐ Yes ☐ No	
If yes, please explain on a separate sheet of paper. Indicate employer and date. If the job requires weekends and nights, what days are you NOT available for work? What hours are you would you be willing to accept it?					are you	NOT available for work?		
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	u have a valid driver's license? IF "YES," GIVE DRIVER'S LICENSE NUMBER STATE EXP					EXPIRATION DATE (M/D/Y) Do you have access to a c		
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NOTE: if this position requires a valid driver obtain this form from the Human Resources	's license or Commerc Department. This inforr	ial Driver's License (CD nation will be verified.)L), you are require	ed to complet	te a Suppleme	ntai Drivi	ing Application form. Please	
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As a juvenile, have you ever been waived into adult court and convicted of any felony or misdemeanor?							☐ Yes ☐ No	
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* The provision of your social security number is not mandatory. It will be used only for applicant tracking purposes. If you choose not to provide it, an arbitrary nine digit number will be assigned to you by the Human Resources Department.

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APPLICATION CERTIFICATION I certify that all answers to the or part of rights to employment in the component of the componen		ate the following statement): and I agree that any misstatements or on	nissions of fact will cause forfeiture on my
Applicant's Signature	Date	Witness to Signature	Date
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"Disabled Person" means any per	rson who: al impairment which substantially lim n impairment; or	ent Regulations, 1630.2(g) and Section 5 its one or more major life activities;	04 of the Rehabilitation Act of 1973, a
Based on the above, please chéc Yes, I feel I <u>DO</u> qualify			•
	k this box if you feel you qualify: as an individual with a disability		
What special assistance/modifical language interpreter, special aids	as an individual with a disability ution would help you compete in the	e employment process, i,e, written, perion	mance, oral exam? (For example: sign