

Rio Grande National Forest



Civil Engineering Technician GS-0802-9/10/11

Respond by April 24, 2018

The Rio Grande National Forest is evaluating interest for a permanent fulltime Civil Engineering Technician position, GS-0802-9/10/11. This position is located at the Rio Grande Supervisor's Office located in Monte Vista, CO. This notification is being circulated to inform prospective applicants of this upcoming opportunity. The Rio Grande NF is looking for dynamic motivated individuals to join their engineering team. Interested applicants should contact Meg Sullivan at margaret.sullivan@usda.gov or at 719-850-2359.

Serves as a civil engineering technician on a Forest Service unit performing a variety of engineering projects (facilities and transportation).

MAJOR DUTIES

Using technical engineering expertise, managed the road and bridge system including transportation operations, deferred maintenance improvements, maintenance using force account crews, Forest Service and County road agreements, contracts, and partnerships.

Responsible for performance of project road design work. Performs technical engineering work on bridges, pavements, drainage structures. Design work includes developing solutions to road-induced resource management problems that are cost-effective and meeting road management objectives and considering resource needs and user needs for safety, travel information, and maintenance. Develops new or improved techniques and solutions based on existing engineering standards and precedents. In support of a senior engineer, ensures that engineering plans, designs, and construction align with sound resource management objectives.

Responsible for data collection and analysis for engineering projects. Performs or leads survey and investigations at project sites. Gathers design information for plan specification, alterations, and databases. Responsible for the preliminary site investigations to obtain required information for new or proposed structures, drainage areas, topography, and feasible layout of facilities in relation to terrain. Looks for alternative sources when inconsistencies or gaps in information are present.

Assists senior engineers with data or suggestions in developing alternative designs that seek to solve problems encountered during data collection. Develops technical graphs and plots to visually explain compiled data. Compiles data in summary form.

Prepares complex or unconventional designs and specifications for various engineering projects or systems. May require considerable adaptation of precedents or design of features for which precedents are available.

Responsible for the development of a forest-wide road sign plan to implement individual road management objectives, forest plan, and/or travel management decisions.

In coordination with other Forest personnel, is responsible for the coordination the road decommissioning program development and execution in accordance with NEPA requirements.

Develops the necessary relationships to maximize the county coop maintenance of forest roads under the Forest Road Agreement.

Keeps the senior engineers abreast on the need for commercial users' commensurate share for road maintenance to facilitate safety and adequately maintained roads.

Responsible for road user permits to facilitate access and road maintenance by road users.

Responsible for all Emergency Relief for Federal Owned Roads (ERFO) projects.

Responsible for developing, implementing and maintaining systems and services, which support engineering requirements.

Participate in the review and approval of detailed working plans and specifications prepared by contractors. Specifically, reviews contractor plans and implements procedures to ensure they are in conformance with Forest Service guidelines, procedures, and requirements. Monitors and assesses contractor's performance and or progress on a continuous basis. As needed, provides technical advice and direction to contractors and resolves complex issues or problems as they arise.

Administers construction and maintenance contracts as COR to insure compliance with the terms and conditions of the contract. Projects are of moderate complexity and can usually be completed in a year or less. Monitors and controls a major segment of projects, such as roads, bridges, parking facilities, trails, drainage structures, erosion control features, retaining walls, buildings, towers, equipment shops and yards, small dams and reservoirs, and recreation sites. Issues start and stop work orders to the contractor. Assures compliance by the contractor with the provisions, plans, and specifications of the contract, accepting or rejecting quality and acceptability of equipment used, manner of performance and rate of work progress, interpretation of plans and specifications, and acceptable fulfillment of the technical phases of the contract. Oversees the development of project plans and specifications prior to contract advertisement to ensure compliance with environmental requirements. Oversees detailed site survey and stake setting. Refers points of disagreement to the Contracting Officer. Makes minor changes requiring contract amendments and modifications involving adjustments in the contract price or time, and recommends final acceptance of the completed project. Maintain records of all the administration of the contract. Is familiar with the technical aspects of assembling the contract documents.

This position will be advertised at the GS-9/10/11 level. Position will not be supervisory.

OUTREACH

If you are interested in this opportunity, please complete the attached Outreach Response Form with a copy of your resume. All responses or requests for further information should be sent to Meg Sullivan, Forest Engineer, margaret.sullivan@usda.gov or 719-850-2359.



**** RIO GRANDE NATIONAL FOREST ****

The Rio Grande NF is 1.82 million acres located in southwestern Colorado. The Continental Divide runs for 236 miles along most of the western border of the Forest. The Forest presents a myriad of ecosystems, from the 7,600-ft. alpine desert floor to over 14,300-ft. mountains in the Sangre de Cristo Wilderness on the eastern side. The Forest embraces the San Luis Valley, a large rural agricultural valley. The Rio Grande NF includes all or parts of 4 Wilderness Areas (South San Juan, Weminuche, La Garita and Sangre de Cristo), the headwaters of the Rio Grande River and the moonscape wonder of the Wheeler Geologic Area, established by Theodore Roosevelt in 1911.

**** MONTE VISTA ****

Supervisor 's Office - Rio Grande National Forest

Monte Vista, 14 miles east of Del Norte and 17 miles west of Alamosa, is home to the Rio Grande NF Supervisor's Office. This rural community of just over 5,000 has amenities and facilities to cover all basic necessities. The downtown shopping area offers a variety of specialty shops, chain stores and service providers. Schools in Monte Vista include an elementary school, junior high school and senior high school. The schools are modern and well-staffed. Agri-business is still the number one employer in the SLV. This area is world famous for high-altitude products, including potatoes, high altitude barley (used by Coors), wheat and many other crops. Price ranges for homes will vary, but start around \$70,000 and go up from there. There are numerous local real estate businesses happy to provide current market information.

**** SAN LUIS VALLEY ****

Larger than the state of Rhode Island, the San Luis Valley (SLV) is the largest and highest agricultural alpine valley in the world. The Valley floor rests at 7600'. To the west of the SLV is the San Juan Mountains ecosystem, the headwaters of the Rio Grande River and the Continental Divide. To the east, the majestic Sangre de Cristo Mountain Range, complete with multiple ``14'ers'', stand guard over this incredibly beautiful, very rural and isolated area. Denver is 4-hours north and Albuquerque is 4-hours south when you get the itch to experience some hustle and bustle (Durango, Pueblo, and Colorado Springs are 2-3 hours away). Long summer days in the 80's transition through a colorful and crisp fall. Winters can be somewhat extreme, with temperatures dipping well below zero and, in some years, frequent snows, however the low mountain humidity and abundance of sunshine mitigate the affect.



Civil Engineer

Monte Vista CO, Rio Grande NF; Supervisors Office

USDA Forest Service, R2-Rocky Mountain Region

Please respond by April 24, 2020

Meg Sullivan @ margaret.sullivan@usda.gov or 719-850-2359

Name _____

Email Address: _____

Phone Number: _____ Work, Home or Mobile?

Employer: FS Unit _____ Other _____

Location: _____

Tour: Permanent ____ Temporary ____ Student/Intern ____ Contractor ____ Other ____

Current Position Title: _____

Series/grade if Federal Employee: _____

How did you hear about this position? _____

Agency Contact _____ Other _____

If not a current permanent employee, are you eligible to be hired under any of the following special authorities?

____ Schedule A (Person with Disabilities)

____ Veterans Readjustment

____ Veterans w/30% Compensable Disability

____ Veterans Employment Opportunities Act Of 1998

____ Former Peace Corps Volunteer

____ Pathways Program (Students and Recent Graduates)

____ Other _____