

POST & BID POSITION ANNOUNCEMENT Bargaining Units 1, 4 and 11

1. Reference #: 02-5-103 2. Position Number: 902-369-3627-xxx 3. Date of Posting: 06/09/2015
4. Classification: Electrical Engineering Technician II 5. Salary Range: \$4,000.00-- \$5,007.00
6. Pay Differentials That Apply To Position: None
7. Working Hours Of Position: 07:00 to 15:45; Winter: 07:00 to 15:45 (Hours may vary, overtime may be required)
8. District/Division: 02- Operations Section: ITS Engineering & Support Geographic Location :Redding
(If selected and the position requires a relocation, the Department will NOT provide relocation assistance.)

9. Specific Qualifications and Requisite Skills Required: (Attach a separate sheet if additional space is needed.)

- A. Minimum Qualifications per the Classification Specifications (BU1 & 4 only) (Education and or Experience):
<http://www.calhr.ca.gov/state-hr-professionals/pages/3629.aspx>
- B. Technical & Professional Skills & Abilities: Principles and practices of electronic and computer technology and theory; Principles and practices of telecommunications technology and theory; Principles and practices of electrical technology and theory; Implementation of traffic monitoring and control systems, including communications and electronic theory and instrumentation for physical testing and research; Practical application of Intelligent Transportation System (ITS) components and other emerging technologies to address traffic management and public safety issues; General microwave technology and theory; Modern data network and communications systems; Effects of weather and time on electrical and electronic equipment and their operation; Uninterruptible Power Supply (UPS) systems; Standby power generation systems; Power distribution systems; Communication systems; Audio-visual systems; Electrical control schematic and wiring diagrams; Engineering technology mathematics; Computers and their use; Caltrans Injury and Illness Prevention Program; Department Policies and Procedures. Inspect the installation and operation of highway ITS components and recommend revisions; Read and understand highway plans, drawings, and field data which are related to highway ITS and traffic control devices; Install, configure, test, deploy and troubleshoot complex controller software for various automated highway systems; Install, test, deploy and troubleshoot complex video, data network, instrumentation and audio systems; Install, test, deploy and troubleshoot complex microwave transmission systems and other wireless communications systems; Assist in the preparation of plans, cost estimates, and specifications for ITS projects; Inspect and oversee ITS installations and determine if the product meets specification requirements for functionality and public safety; Implement effective ITS maintenance procedures to meet specified system reliability requirements; Interpret all drawings, plans and specifications of any kind encountered in the work and incorporate electrical, electronic and associated drawings, plans and specifications into general design and contract documents; Prepare as-built plans and document field element network using CADD; Analyze situations accurately and take effective action; Establish and maintain friendly and cooperative relations with those contacted in the course of the work; Communicate effectively orally and in writing; Report the status of work and the completed results; Prepare correspondence and detailed reports. Excellent writing skills required.
- C. License and/or Certification Requirements: CA Driver license
- D. Physical Abilities to Perform Essential Functions: Incumbent will be required to use personal computers and telephones for long periods of time; Sustain mental activity needed for report writing, problem solving, researching, analysis and reasoning, and participating in meetings; Engage in extensive field work, lifting up to 75 pounds, occasionally driving for long periods and routine exposure to severe winter weather; Periodically work at heights in excess of 100 feet above ground level; Periodically engage in moderate to heavy construction type activities including: concrete work, ditching and grading, underground conduit installation, tower installation, antenna and associated apparatus installation and general equipment assembly; Develop and maintain cooperative working relationships.

E. Other Departmental Requirements: Commitment to being available for after hours TMC support and other activities via use of personal communication devices such as pagers and cellular phones. Commitment to do what is necessary to complete the job at hand. Manages time efficiently and is well organized.

F. Duty Statement/Description of Duties: *HR – Will insert link to duty statement document*

10. Final Date and Time for Receiving Bid: **06/23/15**

11. Where to Obtain Bid Form: <http://www.dot.ca.gov/hq/jobs/postandbid/postandbidmain.htm>

12. Submit Bid to:

Name: *Ian Turnbull*

Address: 1657 Riverside Drive, Redding, CA 96001

Telephone Number: 530-225-3320

FAX Number: 530-225-3255

E-mail Address: ian.turnbull@dot.ca.gov

13. Window period employee must be available for contact (**Unit 1&4 Only**): From: 06/09/15 To: 07/09/15
(If selected, you must report in no less than 14 calendar days unless agreed otherwise by current and hiring supervisor and start date must be within 30 calendar days.)

14. Expected Reporting Date to Position (**Unit 11 Only**): 07/09/2015
(If selected, you must report on the reporting date above unless agreed otherwise by current and hiring supervisor.)

Revised 1/10/05