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# Signal Technician

| JOB CODE | JOB FAMILY | PROFILE |
|---|---|---|
| **JCV436** | **Trades, Crafts and Other Skilled Work** | **Signal Technician** |
| **PAY TYPE** | **PAY RANGE** | **REVISION DATE** |
| **Hourly** | **$21.15 - $30.13** | **April 15, 2026** |

The Signal Technician, under the direction of the assigned supervisor, maintains all traffic control devices and other electric/electronic controls and devices.

## Job Description

### DUTIES AND RESPONSIBILITIES

- Inspects signals and other electric/electronic installations by private contractors.
- Directs and coordinates the jobs of the Signal Technician Assistant and Signal Technician Helper.
- Maintains inventory of replacement components, parts and supplies.
- Maintains contact with the NM State Highway Department and law enforcement agencies.
- Prepares monthly reports.
- Maintains automatic solid state traffic controllers and flashers and computer controlled telephone activated systems, such as the Black Mesa Pumping Station.
- Inspects, tests, and repairs electric signals and equipment as assigned.
- Wires and constructs new electronic traffic control devices.

- Replaces defective equipment and installs new equipment. Cleans, lubricates, and adjusts automatic signal systems as assigned.
- Performs warrant studies for new lights and may be required to maintain equipment records including an inventory of both signals and luminaries.
- ***The above information is intended to outline the general nature and scope of the duties required for this position. It is not an exhaustive list and may vary depending on specific job assignments and responsibilities.***

## MINIMUM QUALIFICATIONS

- High school diploma or GED.
- One (1) year technical school training in the field of electronics and an additional six (6) months of training in electrical circuitry and wiring.
- Three (3) years of directly related work experience.
- Working knowledge of electrical circuitry, electronics schematics and electronic logic diagrams.
- Skilled in the use and care of equipment related to this position, i.e., test meters, hand and power tools, and aerial lift trucks.
- Skilled in working with high voltage and amperage electrical systems such as 440 voltage systems.
- Ability to read written instructions and prepare written reports.
- Ability to read and understand contract plans and specifications.
- Ability to understand the hazards relevant to the work required by this position.
- Ability to work alone on electric circuits and electronic systems as allowed by Electrical Code and OSHA regulations.

***Any equivalent combination of related education and/or experience may be considered for the above requirements.***

## SCREENING AND COMPLIANCE

The offer of this Bernalillo County position requires compliance with the following:

- Successful completion of a post-offer employment medical examination and background investigation.
- Adherence to all County safety guidelines.
- Complete all FEMA training(s) assigned to this position.
- Possession of a valid New Mexico driver’s license by the date of hire and maintenance of a valid license while employed in this position.
- Complete required supervisor training, if applicable.

- Employee must possess an EJ98 (Electrical Journeyman) certificate of competence from the State of New Mexico.
- Employee must attend Traffic Control Training Courses conducted by the NM State Highway Department and other courses that may be scheduled by supervisor.
- Position requires working overtime as assigned during non-scheduled work hours.

## WORKING CONDITIONS

- Duties are primarily performed outdoors, with one-third of the time spent in the office.
- Indoor duties are performed in a temperature-controlled environment; however, worker is exposed to natural weather conditions while working outdoors.
- Outdoor surfaces include natural ground, concrete, asphalt, ramps, stairs, or bridges.
- Work hazards or potential work hazards include exposure to dangerous situations involving moving machinery, adverse weather conditions, including high wind and lightning, exposure to potential electrical hazards, and mechanical hazards while operating power tools and equipment.
- Worker is exposed to dust, snow, wind, lightning, and extreme cold.
- Worker may be exposed to high voltage during inspections and repairs to system when electricity remains on.
- Employee is required to work in traffic, which could present hazardous situations, particularly when working on the interstate systems.
- Employee must be able to tolerate working at heights of 30 feet from an aerial lift truck while in traffic.

## EQUIPMENT, TOOLS, AND MATERIALS

- Employee handles writing utensils, various paperwork, files and reports in the documentation of installation and maintenance of traffic control devices.
- Employee operates a four-wheel drive vehicle or truck in the performance of duties.
- Employee utilizes various hand tools, voltmeter, ohmmeter, and other test instruments.
- Employee operates air compressor, generator, cement cutter, vacuum, tamper, backhoe, aerial lift trucks, portable welding unit and saline tanks, cutting torches, forklift, front end loader.
- Worker utilizes picks and shovels, power tools, multi test meters, conflict testers, amperage testers and two-way radio in the performance of essential duties.
- Employee handles wooden spools containing cable, installs traffic tape on 50-foot rolls weighing 100 pounds.
- Employee handles paint thinner, paint remover, electrical spray, and industrial mastic, spray paints, striping tape, paint.
- Installs positive guidance patterns (cones).

***NOTE***

- You are not required to disclose information about physical or mental limitations that you believe will not interfere with your ability to do the job. On the other hand, if you want the employer to consider special arrangements to accommodate physical or mental impairment, you may identify that impairment in the space provided and suggest the kind of accommodation that you believe would be appropriate.

## MENTAL FUNCTIONS

- Must be able to ask questions of supervisor and be able to listen to and follow verbal directions in English.
- Must be able to understand and follow written and verbal directions in English.
- Must be able to give verbal and written directions in English.
- Must be able to speak and write clearly in order to communicate information essential to the smooth and safe operation in the public works department.
- Must possess good judgement for quick action in emergency situations including electrical hazards, potential traffic hazards, extreme weather conditions such as high wind and lightning.
- Must possess the adaptability to perform a variety of duties, often changing from one task to another task of a different nature without loss of efficiency, concentration or composure.
- Must be able to apply principles of logical or scientific thinking to define problems, collect data, establish facts and draw valid conclusions.
- Must be able to interpret an extensive variety of technical instructions in books, manuals, schematics, blueprints, and deal with several abstract and concrete variables simultaneously in the performance of Signal Technician duties.
- Must be able to calculate surfaces, volumes, weights and measures and traffic flow.
- Must be able to calculate variables and formulas using algebraic math.
- Must possess the ability to make generalizations, evaluations, or decisions based upon sensory or judgmental criteria when evaluating a traffic control problem.
- Must have the mental abilities to understand electrical circuitry, electronic schematics, and electronic logic diagrams.
- Must be able to apply the knowledge of tools, machines, material, equipment and methods used in the performance of essential duties.

## PHYSICAL FUNCTIONS

- Must be able to stand/walk for up to eight (8) hours per day.
- Must be able to sit up to three (3) hours per day when performing computer or driving duties, as needed.
- Must be able to kneel and crouch for short periods on a frequent basis as needed when installing or repairing equipment or lines.

- Must be able to bend at the waist and twist/rotate waist as needed on a frequent basis while performing essential duties.
- Must be able to push/pull with arms with sufficient force to pull 150-to-200-pound cable into position while installing traffic control devices.
- Must be able to push and pull poles weighing between 150-to-350 pounds into position while installing median poles or traffic control poles.
- Must be able to climb stairs and ladders on a frequent basis when installing traffic control devices.
- Must be able to maintain balance while climbing and standing on ladders or in aerial lift trucks.
- Must be able to lift heavy rolls of wire or cable of over 100 pounds with assistance.
- Must be able to use hands and fingers to grasp/manipulate materials and equipment in a bilaterally coordinated manner in performing essential duties.
- Must be able to use fine finger dexterity in the use of machines and hand tools required of electricians.
- Must be able to coordinate the use of hands and eyes in the performance of essential duties.
- Must have good color discrimination (cannot be colorblind).
- Must have sufficient eyesight and hearing to be able to perform essential duties.
- Must be able to use legs and feet to stand/walk, climb/descend stairs, ramps and ladders when needed.
- Must be able to kneel on a frequent basis when performing ground level installations or repairs.
- Must be able to crouch, crawl or work in a cramped position for short periods of time as needed when repairing or installing traffic control devices, operating computer and driving.
- Must be able to work with arms bent or extended as needed up to a total of eight hours per day.

## Additional Description

This job profile is classified as **safety-sensitive**. Employees with safety-sensitive job profiles are subject to pre-employment, reasonable suspicion, post-accident, return-to-duty, and random drug & alcohol testing in accordance with the organization’s Drug and Alcohol Testing Policy.

Duties that require a **Commercial Driver’s License (CDL), firearm(s) use**, or are otherwise regulated under the **Federal Aviation Administration (FAA), Federal Motor Carrier Safety Administration (FMCSA), or the Omnibus Transportation Employee Testing Act**, are subject to all applicable federal drug and alcohol testing requirements. Employees in these federally regulated positions must comply with all DOT testing procedures, including enrollment in a DOT-compliant random testing pool.