



Office of Human Resources  
Traffic Operations Technician I - CJ2863  
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### General Statement of Duties

Performs entry to intermediate-level work in the installation, construction, maintenance, and repair of traffic control signs and pavement markings.

### Distinguishing Characteristics

The Traffic Operations Technician I class is distinguished from the Traffic Operations Technician II by the degree of skill required to operate a variety of more complex equipment and more difficult or unusual signs and markings projects. The Traffic Operations Technician I assists the Traffic Operations Technician II and performs the entry to intermediate-level tasks on a project.

### Level of Supervision Exercised

None

### Essential Duties

Performs work in the installation, construction, maintenance, and repair of traffic control signs and pavement markings.

Removes damaged or old signs and sign posts, breaks up concrete bases, prepares and pours concrete, cuts metal poles and bases, and installs new posts and signs.

Ensures that street signs are adequately visible, which includes trimming trees and bushes.

Performs various tasks associated with street pavement marking projects, which includes: measures, lays out, stencils, stripes, paints, and maintains lane lines, center lines, crosswalks, turn arrows, stop bars, railroad/light rail crossings, parking stalls, curbs, airfield marking, and other pavement markings.

Removes conflicting markings with grinder or road milling equipment.

Operates street striping truck and equipment, which includes: fills tanks with paint and reflector beads, ensures adherence to guidelines and standards governing placement of street markings, programs spray guns, and operates gauges and paint pumps, and uses optical pointer to ensure line accuracy.

Operates a variety of equipment used in the installation and maintenance of traffic control markings, to include but not limited to: paint strippers, paint mixers, paint guns, line removers, forklifts, compressors, drill presses, post pounders, post pullers, grinders, and augers.

Operates vehicles and performs pre-trip inspection to ensure proper functioning, which includes checking fluid levels, observing leaks, monitoring condition of hoses and belts, checking tire pressure, ensuring brake lights and lights work, and performs other related inspections.

Operates equipment and uses tools, to ensure that they are secure, clean, and in proper working order, which includes maintenance and repair.

May assist in the design, fabrication, and construction of traffic signs and other signs as designated by the unit through the use of computers and other graphics equipment.

Observes all common safety practices associated with tools and equipment, monitoring work environment for safety and hazards, and ensures safety for self and others.

Places and removes barricades, cones, and other traffic control and safety devices in and around work areas for construction and maintenance projects in accordance with traffic regulation requirements.

May log, record, and create daily work reports for management.

By position, performs seasonal street or airfield maintenance duties such as snow plowing, salting and sanding, removing snow and ice from sidewalks, steps, seats, ramps, and parking lots, and hauls ice and snow away by truck.

By position, may be required to be on-call to address emergent needs.

Performs other related duties as assigned.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

### **Competencies**

Attention to Detail - Is thorough when performing work and conscientious about attending to detail.

Oral Communication - Expresses information to individuals or groups effectively; taking into account the audience and nature of the information; makes clear and convincing oral presentations; listens to others, attends to nonverbal cues and responds appropriately.

Reading - Understands and interprets written material, including technical material, rules, regulations, instructions, reports, charts, graphs or tables; applies what is learned from written material to specific situations.

Technical Competence – Uses knowledge that is acquired through formal training and extensive on-the-job experience to perform one's job, works with, understands, and evaluates technical information related to the job, and advises others on technical issues.

Technical Problem Solving – Troubleshoots, diagnoses, analyzes, and identifies systems malfunctions to determine the source and cause of problems.

Writing - Writes in a clear, concise, organized, and convincing manner for the intended audience.

### **Knowledge & Skills**

Knowledge of materials, methods, and the appropriate tools to construct objects, structures, and buildings.

Knowledge of machines and tools including their designs, installation, uses, repair, and maintenance.

Knowledge of procedures for operating motor vehicles including cars, trucks, or watercraft.

Knowledge of safety hazards and necessary safety precautions sufficient to be able to establish a safe work environment for self and others.

### **Education Requirement**

Graduation from high school or the possession of a GED, HiSET or TASC Certificate.

**Experience Requirement**

Two (2) years of traffic signs and markings experience or construction experience in roadway or transportation.

**Education & Experience Equivalency**

Additional appropriate education may be substituted for the minimum experience requirements.

**Licensure & Certification**

This job requires driving. Requires a valid Driver's License at the time of application.

By position, requires a valid Commercial Driver's License (CDL "A") with appropriate endorsements by the end of probation.

By position, requires a valid Commercial Driver's License (CDL "B") with appropriate endorsements by the end of probation.

For Positions at Public Works:

Obtain IMSA (International Municipal Signal Association) Work Zone Traffic Control Safety Certification by the end of the probationary period.

Obtain IMSA Signs & Markings Level I Certification within 1 year of hire or promotion.

For Positions at Denver International Airport:

Obtain ATSSA (American Traffic Safety Services Association) Traffic Control Technician certification by the end of the probationary period.

Licenses and certifications must be kept current as a condition of employment.

**Working Environment**

Potential exposure to: hazards from electro/mechanical/power equipment.

Potential exposure to: temperature changes and variations in temperature from hot to cold.

Potential exposure to: contact with water, moisture, or liquids.

Subject to: long and irregular hours.

Subject to: many interruptions.

Subject to: injury from moving parts and equipment.

Subject to: hazards from flammable and explosive gases.

Subject to: working in precarious or high locations (ladders, scaffolding, etc.)

Subject to: traffic, roadways, and pedestrians.

**Level of Physical Demand**

3-Medium (20-50 lbs.)

**Physical Demands**

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs.):

Carrying: transporting an object by hand, arm, or shoulder.

Pushing: exerting force upon an object so that the object is away.

Pulling: exerting force on an object so that it is moving to the person.

Climbing: ascending or descending objects usually with hands/feet.

Balancing: maintaining body equilibrium to prevent falling over.  
Stooping: bending the body by bending spine at the waist.  
Kneeling: bending legs to come to rest on one or both knees.  
Crouching: bending body downward and forward by bending legs.  
Crawling: moving about on hands and knees or hands and feet.  
Reaching: extending the hand(s) and arm(s) in any direction.  
Handling: seizing, holding, grasping, or otherwise working with hands.  
Fingering: picking, pinching, or otherwise working with fingers.  
Feeling: perceiving attributes of objects by means of skin receptors.  
Talking: expressing or exchanging ideas by means of spoken words.  
Hearing: perceiving the nature of sounds by the ear.  
Repetitive motions: Making frequent movements with a part of the body.  
Eye/hand/foot coordination: performing work through using two or more.  
Lifting: raising or lowering objects weighing no more than 50 pounds, from one level to another..  
Far acuity: ability to see clearly at 20 feet or more.  
Near acuity: ability to see clearly at 20 inches or less.  
Depth Perception: ability to judge distance and space relationships.  
Field of Vision: ability to see peripherally.  
Accommodation: ability to adjust vision to bring objects into focus.  
Color Vision: ability to distinguish and identify different colors.

### Background Check Requirement

Criminal Check  
Employment Verification  
By position, Motor Vehicle Record

### Assessment Requirement

None

### Probation Period

Six (6) months.

### Class Detail

**Pay Grade:** J-615  
**FLSA Code:** N  
**Established Date:** 9/21/2018  
**Established By:** LS  
**Revised Date:**  
**Revised By:**  
**Class History:**