



Office of Human Resources
Airport Paint and Markings Technician I – CJ3499

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General Statement of Duties

Performs intermediate or developing journey level work in the design, installation, construction, maintenance and repair of Airfield and Public Roadway surfaces and pavement markings.

Distinguishing Characteristics

The Airport Paint and Markings Technician series is a classification with progressive levels of experience and responsibility. This classification series (located at Denver International Airport) operates in the Federal Aviation Administration (FAA), Air Operations Area (AOA) which requires additional levels of security background checks and airfield driving certifications. Additionally, employees in this series perform maintenance services that must meet the unique compliance requirements of federal rules, regulations, and policies associated with airfield maintenance such as CFR Part 139 and FAA Advisory Circulars 150/5340-1M and 150/5340-18G.

The Airport Paint and Markings Technician performs entry to intermediate level routine work while gaining the experience to operate at the full performance journey level. It is distinguished from the Airport Paint and Markings Technician II which performs full performance journey level work. It is further differentiated from the Airport Paint and Markings Technician Lead that performs permanently assigned lead work over lower-level staff and performs the duties of Level I or Level II technicians.

This classification has responsibility to ensure the safety and security of the airport under Title 49 CFR Part 1542 which include but are not limited to: submitting to fingerprint-based criminal history records checks (CHRC), successfully pass annual TSA-approved security training, exercise authority to escort individuals who do not have unescorted access to secure/sterile areas, identify and challenge individuals without appropriate credentials and identify and report suspicious activity to proper authorities.

Essential Duties

Performs work in the installation, construction, maintenance, and repair of pavement markings on public roadways and regulated airfield surfaces using multiple materials and methods.

Performs pavement marking application to meet the unique requirements and specifications of the Manual on Uniform Traffic Control Devices (MUTCD), CDOT and FAA Part 139 criteria (airfield paint and markings must pass annual FAA certification inspections on accuracy, surface presence, straightness, and retro-reflectivity).

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, parking stalls, curbs, airline gates, runways, taxiways, and other pavement markings.

Removes conflicting markings with grinder or road milling equipment.

Provides ground support to operators using ultra-high-pressure water blasting trucks.

Maintains and repairs high pressure paint and paint removal equipment to include troubleshooting and repair of paint guns, high-pressure pumps, actuators, glass bead systems, grinders, and other systems.

Operates highly specialized striping vehicles and equipment, which includes filling tanks with paint and reflectorized beads, programs computerized controllers for spray guns, operates gauges, paint pumps, and utilizes lasers, cameras, and optical pointers 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.

Reads plans and drawings to accurately layout and apply pavement markings on runways taxiways, airline gates, highways, roadways, and parking lots.

Mixes and applies two-component epoxies and Methyl Methacrylate durable markings to airfield, roadways, and parking surfaces.

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 equipment is secure, clean, and in proper working order, which includes trouble shooting and repair of high-pressure paint systems, glass bead applicators.

Operates truck mounted street sweepers, truck mounted high pressure water scrubbers, blowers, and self-propelled 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 on roadways and regulated airfield surfaces for construction and maintenance projects in accordance with traffic regulation requirements.

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

Participates in airfield snow removal duties and operates large, complex specialized industrial equipment in accordance with the nature of the work and the efficiency of airport specific multifunctional snow removal equipment.

Responds to airfield emergencies, outside of normal business hours, playing a crucial role in escorting ambulances, fire rescue vehicles, buses, and other first responders during airport emergencies in strict adherence to the emergency response plan.

Performs other related duties as assigned.

Employees may be re-deployed to work in other capacities in their own agencies or in other City agencies to support core functions of the City during a City-wide emergency declared by the Mayor.

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

Accountability - Holds self and others accountable for measurable high-quality, timely, and cost-effective results. Determines objectives, sets priorities, and delegates work. Accepts responsibility for mistakes. Complies with established control systems and rules.

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

Interpersonal Skills - Shows understanding, friendliness, courtesy, tact, empathy, cooperation, concern, and politeness to others and relates well to different people from varied backgrounds and different situations.

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

Awareness - Able to work independently around active aircraft operations, recognizing airfield traffic patterns in order to accomplish tasks between aircraft gate arrivals and departures.

Working with People - Shows respect for the views and contributions of other team members. Shows empathy, listens, supports, and cares for others, and reconciles conflict.

Coaching - Provides others with clear direction, motivates, and empowers. Recruits staff of a high caliber and provides staff with development opportunities and coaching.

Knowledge & Skills

Resolves conflict within a team.

Knowledge of FAA and CFR Part 139 rules and regulations.

Knowledge of MUTCD and CDOT rules and regulations

Knowledge of airport emergency response procedures.

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

Knowledge of a variety of pavement marking materials and application methods.

Knowledge of two component durable markings and application procedures

Knowledge of a variety of marking removal methods and equipment.

Level of Supervision Exercised

None

Education Requirement

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

Experience Requirement

One (1) year of experience in airfield or roadway markings.

Education and Experience Equivalency

A combination of appropriate education and experience may be substituted for the minimum education and experience requirements.

Licensure and/or Certification

Requires a valid Commercial Driver's License (CDL "B") with air brake endorsement) at the time of application.

Required to obtain and maintain a current DOT physical certification.

Required to obtain and maintain an Airport ID badge and LAR driving privileges.

Flagger certification is required at the time of application or within six months of probation.

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

Working Environment

Atmospheric Conditions: conditions that affect the skin, eyes, or respiratory system.

Potential exposure to chemicals, gas

Potential exposure to cold temperature, cold enough to cause bodily discomfort.

Potential exposure to cold weather conditions (indoor/outdoor)
 Potential exposure to conditions that affect the skin or respiratory system.
 Potential exposure to extreme temperature changes
 Potential exposure to hazardous anesthetic agents, body fluids, and bio-wastes
 Potential exposure to hazardous conditions where there is a danger to life, body, and/or health.
 Potential exposure to hazardous/toxic chemicals.
 Potential exposure to hazards from electro/mechanical/power equipment.
 Potential exposure to hazards of steam and heat
 Potential exposure to heat temperatures, hot enough to cause bodily discomfort.
 Potential exposure to hot and humid work environment.
 Potential exposure to humid conditions with high moisture content to cause bodily reactions.
 Potential exposure to infections and contagious diseases.
 Potential exposure to odorous chemicals
 Potential exposure to the risk of blood borne diseases.
 Potential exposure to temperature changes: variations in temperature from hot too cold
 Potential exposure to toxic chemicals
 Handles emergency or crisis situations.
 Noise sufficient to cause distraction or possible hearing loss.
 Personal Safety: aware of surroundings, people, and events
 Pressure due to multiple calls and inquiries.
 Subject to electrical and radiant energy hazards
 Subject to hazards of flammable or explosive gases
 Subject to injury from moving parts of equipment or vehicles
 Subject to precarious or high locations.
 Subject to pressure for multiple calls, inquiries, and interruptions
 Subject to varying and unpredictable situations
 Subject to vibrations and strain on the body to cause bodily harm if endured daily.
 Temperature Changes: variations in temperature from hot too cold.
 Temperature Changes: variations in temperatures from hot too cold when works in field.
 Wet: frequent contact with water, liquid, chemicals, or sanitary sewage.
 Works in confined, uncomfortable, or awkward locations
 Works in precarious or high locations.

Level of Physical Demands

3-Medium (20 - 50 lbs.)

Physical Demands

Agility: Ability to move quickly and easily.
 Carrying: Transporting or moving an object.
 Climbing: Ascending or descending an object or ladder.
 Color vision: Ability to distinguish and identify different colors.
 Crouching: Positioning body downward and forward.
 Depth Perception: Ability to judge distances and space relationships.
 Driving: Ability to operate a motor vehicle in varied weather conditions and maneuver among aircraft and ground support equipment.
 Driving: Operating a vehicle for long periods of time and in adverse weather conditions affecting visibility.
 Eye/Hand/Foot Coordination: Performing work through using two or more body parts or other devices.
 Feeling: Perceiving attributes of objects by means of skin receptors, communication, or otherwise.
 Field of Vision: Ability to sharply detect or perceive objects peripherally.
 Fine Dexterity: Sufficient coordination to operate a vehicle and manipulate objects.
 Handling: Seizing, holding, grasping, through use of hands, fingers, or other means.
 Hearing/Talking: Perceiving and comprehending the nature and direction of sounds/ability to communicate ideas.
 Kneeling: Assuming a lowered position.

Lifting: Moving objects weighing no more than 50 pounds [or insert appropriate weight] from one level to another.

Neck Flexion: Perceiving objects located above or below.

Physical Strength: Exerts force to transport objects of 20 pounds or more.

Pulling: Exerting force upon an object so that it is moving to the person.

Pushing: Exerting force upon an object so that it moves away from the person.

Reaching: Extending the hands and arms or other device in any direction.

Repetitive motions: Making frequent or continuous movements.

Stair Climbing: Ascend and descend flights of stairs.

Stamina: Ability to work over long periods of time without tiring.

Standing/Walking: Moving from area to area and public contact.

Stooping: Positioning oneself low to the ground.

Talking: Communicating ideas or exchanging information.

Vision: Ability to perceive animal behavior, comprehend signs, and detect color.

Vision Far Acuity: Ability to perceive or detect objects clearly at 20 feet or more.

Vision Near Acuity: Ability to perceive or detect objects at 20 inches or less.

Walking: Ability to move or traverse from one location to another.

Written Comprehension: Ability to discern the meaning of written words.

Background Check Requirement

Criminal Check

Employment Verification

Motor Vehicle Record

Security Threat Assessments (STA) inquiries

Assessment Requirement

None

Probation Period

Six (6) months.

Class Detail

Pay Grade: NE-11

FLSA Code: N

Established Date: 10/27/2024

Established By: AOF

Revised Date:

Revised By:

Class History: New classification.