



Office of Human Resources
Airport Field Technician II – CJ3496

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General Statement of Duties

Performs full performance journey level construction, maintenance, and repair work on a wide variety of linear assets and federally regulated airport surfaces with a focus on asphalt, concrete, and earthwork large, complex, or difficult projects.

Distinguishing Characteristics

The Airport Field Technician series is a classification with progressive levels of experience and responsibility. The employees in this series (located at Denver International Airport) operate 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 Circular 150/5380-6C.

The Airport Field Technician II performs full performance journey level work. It is distinguished from the Airport Field Technicians I that performs entry to intermediate level routine work while gaining the experience to operate at the full performance journey level. It is further differentiated from the Airport Field 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 paving operations in a wide variety of applications to include multi-lane roadways, taxiway shoulders, runway shoulders, and parking lots. Troubleshoots and resolves problems related to pavement quality and the paving process.

Performs advanced installation and analyzation of concrete curb and gutter, full panel installations, spall rehabilitations, and foundation work. Quality control throughout the mixing process, placement of concrete, and uses advanced finishing techniques.

Installs, maintains, and monitors ADA compliant pavement surfaces.

Sets grade and reads grade stakes for roadway maintenance, earthwork, and construction. Follows blueprints to excavate, backfill, and shores trenches for electrical and plumbing installations.

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.

Performs vegetation management by eradicating and controlling invasive weed species. Documents product use and location to track compliance.

Repairs and revitalizes eroded areas and maintains water management areas to include ponds and channels.

Maintains and monitors water management areas to include ponds, channels, and ditches.

Constructs, maintains, and repairs roadway structures to include shoulders, guardrail, fencing, and signage. Leads team to perform roadway, movement, and non-movement closures to initiates construction zones to facilitate maintenance.

Ensures all notifications, barricades, signage, lighting, and any other appropriate device is in place to prevent an unauthorized aircraft, vehicle, or person from entering a closed runway, taxiway, or service road.

Performs airfield movement driving and escorting.

By position, collaborates with the United States Department of Agriculture (USDA) Wildlife Management in monitoring and managing various forms of wildlife that are incompatible with airport operations (e.g. prairie dog colonies, birds, deer, etc.).

By position, maintains airfield primary surfaces by performing rubber and paint removal work.

By position, creates, designs, and installs landscaping projects such as pavers and decorative rock. Maintains and repairs professionally landscaped areas.

Monitors computerized weather reporting systems to monitor and interpret weather conditions and determine appropriate response.

Responds to airfield emergencies, playing a crucial role in escorting ambulances, fire rescue vehicles, buses, and other first responders during airport emergencies in support of the emergency response plan. Transports emergency response trailers to the scene and assists with the command-site setup.

Responds to emergency clean-up of vehicle accidents.

Responds to afterhours calls or emergency calls outside of normal scheduled or business hours.

Capable of working independently with minimal supervision to complete assigned tasks.

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 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 and time management.

Technical Competence- Uses knowledge that is acquired through formal training and/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.

Problem Solving - Identifies problems; determines accuracy and relevance of information; uses sound judgment to generate and evaluate alternatives, and to make recommendations.

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.

Mathematical Reasoning – Understanding of basic math that will be used on the job including counting, adding, subtracting, and multiplying.

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

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.

Self-Management – Sets well-defined and realistic personal goals; displays a high level of initiative, effort, and commitment towards completing assignments in a timely manner; motivated to achieve; demonstrates responsible behavior.

Knowledge & Skills

Knowledge of CFR Part 139 rules/regulations and FAA Advisory Circulars.

Knowledge of the airfield layout.

Knowledge of radio etiquette and FAA radio procedures.

Knowledge of airport emergency response procedures.

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

Knowledge of materials, methods, and the appropriate tools to construct pavement and earthwork.

Knowledge of hazardous materials and waste and their uses, interactions, dangers, production, handling, storage, and disposal.

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

Knowledge of motor vehicle engines, parts, and systems including their designs, uses, repair, and maintenance.

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

Level of Supervision Exercised

None

Education Requirement

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

Experience Requirement

Two (2) years of experience performing a variety of duties in construction, asphalt, concrete, and earthwork at an airport.

Two (2) years of airfield snow removal experience and/or experience operating heavy equipment.

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

By position, requires a valid Commercial Driver's License (CDL "A") with appropriate endorsements at time of application.

Requires a valid Commercial Driver's License (CDL "B") at time of application.

Required to obtain and maintain a current DOT physical certification.

Required to obtain and maintain an Airport ID badge and Movement 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.

Climbing/Balancing: Ascending walls, fences, and other obstacles and maintaining equilibrium.

Color vision: Ability to distinguish and identify different colors.

Crouching: Positioning body downward and forward.

Depth Perception: Ability to judge distances and space relationships.

Eye/Hand/Foot Coordination: Performing work through using two or more body parts or other devices.

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 100 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 50 pounds [or insert appropriate weight] or more.

Pushing/Pulling: Transport and control traps and cages, animal foods, equipment.

Repetitive motions: Making frequent or continuous movements.

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

Stooping: Positioning oneself low to the ground.

Talking: Communicating ideas or exchanging information.

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-13

FLSA Code: N

Established Date: 10/27/2024

Established By: AOF

Revised Date:

Revised By:

Class History: New Classification.