

City of Fort Worth, Texas Job Description

Classification Title	Natural Resource Technician		
Job Code:	ST5500	Job Family:	Service Trades
Pay Grade	507	Date Reviewed:	01/09/19
FLSA Status	Non-exempt	Date Revised:	

GENERAL SUMMARY

Under general supervision, performs a variety of semi-skilled maintenance and technical tasks in a nature park including maintaining inventory of all Natural Resources program areas and their needs. Performs grounds maintenance; new construction and renovation; tracks and orders materials, equipment and supplies for program area. Assists with Nature Park presentations and training. Performs related work as required.

ESSENTIAL DUTIES & RESPONSIBILITIES

The intent of this job description is to provide a representative summary of the major duties and responsibilities performed by incumbents of this job. Incumbents may be requested to perform job-related tasks other than those specifically presented in this description.

1. Assists in collecting biological data using various survey techniques and methods on multiple species such as fish, deer, birds, alligators, vegetation, small mammals, insects, reptiles, amphibians, and humans using a trail counting system.
2. Assists with wildlife programs including feral hog control, bison herd management, dove banding, game camera surveys, research, etc.
3. Assists in carrying out land management practices by planting and caring for trees, shrubs, and grasses, brush management using prescribed burning and heavy machinery, invasive species control using both mechanical methods and herbicide application.
4. Maintains developed grounds, roads, trails, and composting restrooms.
5. Assists with common agricultural practices such as mowing using tractors, animal husbandry by working with and being in close proximity with bison, maintaining supplemental watering stations, and cutting and baling hay.
6. Fabricates custom designed items by welding such as sign kiosks, greenhouse tables, walking bridges, park benches, trail closed signs, pipe gates and fencing, bison handling facility, pig trap doors and traps, and other related projects.
7. Maintains equipment by checking tire pressures, greasing, checking air filter, and fluid levels, adding fluid when needed. Makes minor repairs to equipment.
8. Maintains and repairs boundary fences, hiking trails, and constructs and maintains parking lots, canoe and kayak launches, access lanes and roads by mowing, blading, building up, and hauling rock, and operating tractors, blades, backhoes, skid steer, dump bed trailer, and UTV's.

9. Works in established forest stands by thinning, pruning, collecting seed, and other related forestry work.
10. Designs and constructs equipment used in fisheries and wildlife programs such as: nets, seines, fish traps, dove traps, pig traps, game camera boxes, nesting structures for wood ducks, squirrels and bluebirds; and brush piles for rabbits and quail.
11. Enforces conservation laws of the State of Texas in parks to insure the safety of City-owned property and the general public; writes incident reports; provides administrative support and management assistance; assists area visitors or other law enforcement officers when needed.
12. Makes oral presentations to special groups and audiences of all ages educating them about the native flora and fauna and about the programs offered at the Nature Center. Assists with staff training, as needed.
13. Coordinates, develops, and oversees projects for weekly volunteer groups as well as large special interest groups. Assists with writing scientific articles for quarterly newsletter.
14. Compiles or assists in the preparation of operational reports as required by Federal, State, and local laws, policies and procedures. Completes special reports and special studies and surveys to the assigned unit. Completes detailed weekly work logs or reports.
15. Assists with costing and purchasing of equipment, materials, and supplies.
16. Performs other related duties as required.
17. Adheres to assigned work schedule as outlined in the Department and City attendance policies and procedures; ensures all behaviors comply with the City's Personnel Rules and Regulations.

KNOWLEDGE, SKILLS & ABILITIES

- **Knowledge of:**
 - Native flora and fauna applicable to the Cross Timbers and Prairies Ecoregion.
 - Various surveying, trapping, monitoring techniques for both native and non-native wildlife species such as pig trapping, dove trapping, spotlight deer and alligator counts, trail camera arrays, nest box and browse surveys, photo points, vegetation surveys, iNaturalist, etc.
 - Operation and maintenance of specialized equipment such as skid steers, tractors, UTVs, dump bed trailer, hay cutter and baler, brush cutters and chippers, and no-till seed drill.
 - Google Earth or other GIS related programs and GPS devices.
 - Animal husbandry specific to bison.
 - Land management and restoration including brush clearing, tree felling, herbicide application and prescribed burning.
 - Basic methods and techniques of general construction, maintenance and repair related to the area of work assigned.

- Occupational hazards and standard safety practices.
- General departmental policies and regulations.
- Proper techniques and uses of a variety of hand tools and power tools.
- Pertinent federal, state and City laws, codes and regulations.
- Techniques, tools and materials of painting duties.
- Concrete work and finishing.
- Blueprints.
- Welding safety precautions and practices.
- General vehicle safety precautions and maintenance.
- Various hand and power tools.
- **Skill in:**
 - Custom metal fabrication.
 - Microsoft Office applications such as Word, Excel and Outlook.
 - Identifying native flora and fauna applicable to the Cross Timbers and Prairies Ecoregion.
 - Planning and prioritizing work activities.
 - Observation and decision-making.
 - Organization and time management.
 - Operating assigned equipment.
- **Ability to:**
 - Perform a variety of skilled construction and maintenance tasks.
 - Perform strenuous manual labor tasks related to assigned responsibilities.
 - Work independently with minimal supervision.
 - Collect and record biological data.
 - Perform grounds, roadside, and trail maintenance using mowers, trimmers, chainsaws, blowers, various power tools, and generators.
 - Safely and properly operate various tools and light equipment.
 - Interpret and explain City policies and procedures.
 - Understand oral and written instructions.
 - Communicate clearly and effectively, both orally and in writing.
 - Analyze problems and identify solutions.
 - Read and interpret blueprints and drawings.
 - Manage multi-craft projects.
 - Operate tractors, skid steer, and UTVs.
 - Estimate material and labor costs.
 - Establish and maintain effective working relationships.

MINIMUM JOB REQUIREMENTS

HS diploma/GED and two years responsible experience in facilities maintenance, grounds maintenance, trails and trail feature construction, or open space areas; or, technical work in forestry, biology, horticulture, conservation or natural resource program.

OTHER REQUIREMENTS

Must have a Valid Texas Class C Driver's License and be able to maintain an acceptable driving record during length of employment.

Must be able to obtain a Pesticide Applicator license within 12 months of hire and maintain license during length of employment.

Must be able to secure and maintain a valid First Aid and CPR certification within six (6) months of hire and maintain certification during length of employment.

WORKING CONDITIONS

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Depending on assignment, positions in this class typically require touching, talking, hearing, seeing, grasping, standing, stooping, kneeling, crouching, reaching, walking, repetitive motions, climbing, balancing, pushing, pulling and lifting; depending on assignment. Incumbents may be exposed to moving mechanical parts, odors, dusts, poor ventilation, chemicals, oils, extreme temperatures, inadequate lighting, intense noises, gases, vibrations, and workspace restrictions.

PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Heavy Work – Depending on assignment, positions in this class typically exert up to 100 pounds of force occasionally, up to 50 pounds of force frequently, and/or up to 20 pounds of force constantly having to move objects.