

METRO
Job Description

Class Numbers:	0449/4449	Established:	9/00
Titles:	Exhibits Technician	Revised:	12/2005; 9/3/2009
Pay Grades:	350/460	EEO Category:	Skilled/Craft
Bargaining Unit:	LIUNA 483		
FLSA Status:	Non-Exempt		

DESCRIPTION

Functions as a member of the exhibits team. Coordinates and performs artistic, professional, and creative design, fabrication, construction, renovation, safety, and maintenance functions involving concrete, carpentry, welding, painting, sculpture, and other arts and trades to help design and build naturalistic zoo environments.

DUTIES AND RESPONSIBILITIES

Tasks listed are intended to be descriptive and not restrictive. An employee in this classification may perform any of the tasks listed; however, these examples do not include all the tasks which an employee may be expected to perform.

1. Consults with colleagues and various zoo staff to determine the requirements of each job; estimates materials, prepares designs and working drawings as needed and obtains materials.
2. Builds, maintains, and renovates various animal exhibits including exhibit space, viewing areas, animal holding areas, service facilities, pathways, and necessary amenities. Installs items and equipment for animal, staff, and visitor use. Works from rough sketches, construction documents, and oral or written instructions.
3. Performs all aspects of concrete work such as forming, reinforcement, placement, mixing, shotcrete, sculpting, and finishing.
4. Functions as a member of the exhibits team and works with others in the creation and design of artificial elements in animal exhibits that simulate natural environments, i.e., rockwork, trees, and vines using a variety of mediums from concrete to epoxies, composites, and fiberglass.
5. Carves concrete and epoxies to simulate rocks, trees, and vines. Applies finishes to give items a high level of detail. Also works with composites.
6. Uses different mediums to create molds, texture pads, and castings.
7. Fabricates metals by cutting and welding to build barriers, gates, doors, shelters, feeders, and parts.
8. Installs piping and other parts for sanitary sewer, water supply, stormwater removal, and life support systems. Work is done in buildings and below ground.
9. Performs layout of various exhibit features. Uses lasers to establish grades and location of elements.
10. Operates forklifts, concrete pump, backhoe, bobcat, front-end loader, dump truck, and other equipment as needed.
11. Uses and operates a variety of hand and power tools and equipment requiring specific skill, including power saws, routers, drills, jack hammers, paint spraying equipment.

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12. Performs or oversees preventative maintenance of equipment.
13. Coordinates and performs shop and work site upkeep duties and helps meticulously clean work areas.
14. Assists the public, public officials and other employees in a professional and courteous manner.
15. Develops safe work habits and contributes to the safety of self and co-workers.
16. Contributes to a positive team atmosphere.
17. Has regular and punctual attendance.
18. Performs assigned duties during an emergency situation.
19. Other duties as assigned.

JOB SPECIFICATIONS

(These are any combination of education and experience that has provided knowledge, skills and abilities to perform the duties of this position. Prior work experience and educational requirements listed are typical ways of obtaining the required qualifications. Other equivalent combinations of education, training and experience will be considered.)

1. Job Preparation

Education and Work Experience

- Fine Art/Trade certificated or college and three years experience in the artistic creation, design, fabrication, construction and renovation of exhibits, buildings, and related facilities including exposure to most, if not all trades associated with the position.

2. Necessary Knowledge, Skills and Abilities

Knowledge of:

- Standard and innovative exhibit artistic design and construction practices, methods, tools, and materials.
- Techniques used in mold making and casting.
- Various fabrication and construction trades including sculpture, sitework, concrete, carpentry, welding, plumbing, and painting.
- Occupational hazards involved and the safety precautions necessary in the area of specific assignment.
- Fall height and protection requirements involving rigging, scaffolding, pipe and rail systems, and other practices and equipment.

Skill to:

- Locate and analyze problems and performing corrective action.
- Use and care for standard tools and equipment of the trade, including the operation of automotive and heavy equipment.

Ability to:

- Artistically create elements that simulate natural environments.
- Work from rough sketches, construction documents, and written/oral instructions.
- Use different mediums such as concrete, shotcrete, epoxy, composites, and fiberglass to create artificial rocks, trees, and vines.

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- Perform material take off and estimating.
- Read and interpret rules, codes, and regulations, lead unskilled or semi-skilled workers when assigned as helper.
- Work around exotic animals, and to react quickly to hazardous conditions.
- Work independently or as a team member or team leader and to interact with managers, other employees, volunteers, and public.
- Physically perform strenuous manual work indoors and outdoors for extended periods under severe climate conditions in hazardous and contaminated locations and in confined spaces and at heights and under other adverse conditions.
- Perform essential duties of the position which may include lifting up to 50 pounds.
- Apply Federal, State, and local policies, procedures, laws and regulations for respective field.
- Use discretion with confidential and sensitive matters.
- Provide excellent customer service by meeting the needs and interacting with employees, volunteers, vendors, the public, and others encountered during the course of work in a courteous and professional manner.
- Establish and maintain cooperative working relationships with employees, volunteers, vendors, and others encountered during the course of work.
- Work in a safe manner and follow Metro safety policies, practices, and procedures.
- Perform the assigned duties of the position.
- Develop knowledge, skills, and abilities and to obtain and maintain certifications and license.

3. Special Requirements

- Successfully pass the background checks and screening requirements of the organization.
- Possession of, or the ability to obtain upon hire, and maintain a valid driver's license, First Aid/CPR Certification, and scaffolding safety structure and such other certifications as may be required.

4. Tools and Equipment Used

- Forklifts, concrete pump, backhoe, bobcat, front-end loader, dump truck, and other equipment as needed.
- A variety of hand and power tools and equipment requiring specific skill, including power saws, routers, drills, jack hammers, paint spraying equipment.

5. Supervision

- Supervision is received from Exhibits and Interpretation Design Manager. May receive daily oversight from the Maintenance Lead and may receive specific instruction on particular assignments.
- May act as lead over classifications at site or on project.

6. Work Environment

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable

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accommodations may be made to enable qualified individuals with disabilities to perform the essential functions.

- Duties may require prolonged strenuous efforts in hazardous locations, contaminated areas, enclosed spaces, at heights, under inclement weather and other adverse conditions.

The job classification description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.