

**CITY OF ANN ARBOR, MICHIGAN
JOB DESCRIPTION**

JOB TITLE: Transportation Technician

Job Number: 112704/14/24/34/44

Date Finalized: 11/7/2019

Service Area: Public Services Service Unit: Engineering	Accountable To Signs and Signals Supervisor
Mission Statement The City of Ann Arbor's mission is to deliver exceptional services that sustain and enhance a vibrant, safe and diverse community.	
Role Summary To install, inspect, maintain and repair traffic signs, signals, street lights and communication systems.	
Duties Incumbent may be responsible for the following duties: <u>Essential Duties</u> <ul style="list-style-type: none">• Install, maintain and repair traffic control and signal devices, underground cabling and conduit infrastructure, street lights (pole/mast and light) and mobile radio communication, alarms and electronic systems, including top lights• Design, fabricate and install traffic signs and decals• Inspect traffic signal and street lighting installation to ensure meeting applicable city, state and federal standards and specifications• Calibrate, test, maintain and repair base, mobile and portable radio transmitters, receivers, and monitors• Identify source of power failure and install temporary power source for power restoration• Perform preventive maintenance on traffic signal, sign and radio equipment, including sign computer hardware <u>Related Work</u> <ul style="list-style-type: none">• Install cable fiber; locate and stake buried City equipment (MISS DIG)• Splice, terminate and pull fiber• Document street light location and maintain other field inventory records• Construct traffic control barricades and monitor traffic control• Perform related work as assigned	
Knowledge of: (position requirements at entry) <ul style="list-style-type: none">• General construction methods• Fire resistant clothing and safety equipment• Basic work safety and traffic laws• Basic mechanics and electricity principles• General mechanic practices, procedures, tools, and equipment• General preventive maintenance practices of electronic and mechanical equipment• General computer hardware and software applications• General methods, materials and equipment in electronic signal operations• General methods, materials and equipment in sign production• General methods, materials and equipment in electronic equipment repair• And as listed in the Transportation Technician Job Progression Chart as Revised 9/05	

Skills and Ability to: (position requirements at entry)

- Communicate through oral and written instruction
- Work with 120v, 240v and 480v
- Safely operating required electronic and mechanical tools and equipment
- Lock out tag out practices
- Read, interpret, and follow technical manuals, rough layouts and technical drawings
- Repairing machines, equipment and systems using necessary tools
- Identifying problems and finding solutions
- And as listed in the Transportation Technician Job Progression Outline as Revised 9/05
- Demonstrated ability on the following:
 - intersection PM
 - field inventory records maintenance
 - sign replacement
 - building a barricade
 - traffic diversion
- Unloading and storing materials

Equipment

- Power Tools, sleeve drive
- Soldering station, welder, auger truck, hoist truck, backhoe/trencher, concrete saw, air compressor, sign cutter

Training and Experience

- High School Diploma/G.E.D.
- CDL B within 3 months
- Forklift Operator's Permit (obtained in 2 years)
- Aerial Work Platform Operator's Permit (obtain in 2 years)
- Intermediate knowledge of traffic theory; signals operations; safety requirements for high risk work zones
- Advanced knowledge of: street light construction, where city equipment is located
- Ability to: read blueprints; use test equipment
- Knowledge of soldering and welding
- Knowledge of at least one of the following:
 - Radio System Repair and System Repair and Maintenance or Traffic Signal Level I Certification
 - AND/or Signs and Marking Level I Certification
- Demonstrated ability to meet performance standards for 6 of 9 key proficiencies (2 each in signs, signals, and radio shop):
 - Power restoration (required) (Signals and Radio Shop)
 - Miss DIG (required) (Signals and Radio Shop)
 - Intersection construction/upgrade (Signs and Signals)
 - Street light construction inspection (Signals)
 - Sign restoration (Signs)
 - Maintenance of sign shop equipment and sign computer (Signs)
 - Installation/removal of top light (Radio Shop)

Physical Requirements

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

The physical ability to climb, balance, stoop, kneel, crouch, crawl, reach, stand, walk, push, pull, lift, grasp, feel, talk, hear see and perform repetitive motions.

The physical ability to safely operate light to heavy equipment and tools as listed in the Transportation Technician Job Progression outline. The physical ability to safely utilize hand tools, foot controls on machinery or equipment and/or mechanical or manual equipment.

The incumbent may be exposed to hazardous physical conditions (i.e., confined spaces, heights, mechanical parts, electrical currents, vibration, etc.), poor atmospheric conditions (i.e., fumes, odors, dusts, gases, poor ventilation), inadequate lighting, and intense noise. In addition, the work will require seasonal exposure to extreme (both hot and cold) weather conditions, including snow and ice. The incumbent may be required to work with various chemicals. The incumbent may be exposed to domestic and wild animals.

The work may involve working in or near road work or construction zones.

The physical ability to ascend and descend ladders to access work areas, and enter into and exit from confined spaces. The work may involve the ability to perform routine heavy lifting and carrying up to 50 lbs. and occasional heavy lifting of up to 100 lbs. The incumbent may be expected to walk on rough, uneven terrain, as well as wet and slippery surfaces. The work requires the ability to distinguish colors and hear audible alarms.

The incumbent will be required to wear various level of personal protection equipment that may include fire resistant clothing, a hard hat, safety glasses, safety boots, harness, etc.

The incumbent may be required to participate in necessary audiometric testing.

Heavy Work: Exerting up to 50 pounds of force occasionally, and/or up to 20 pounds of force frequently, and/or up to 10 pounds of force constantly to move objects.

Description Prepared By

Signs, Signals and Radio Shop Design Team, May 2003dew / Revised 9/04 / Revised 9/21/05/ Revised 5/26/2017/ Legal Review NN 5/26/2017/ Union reviewed CW 8/17/17/ Updated by HR 10/11/2019/ Approved by Legal MR 10/16/2019/Union approved by Curt Morris 11/7/2019