

# MARSHALL MUNICIPAL UTILITIES

INFORMATION TECHNOLOGY & BROADBAND DEPARTMENT

## JOB DESCRIPTION

Revised 03/2021

TITLE: Fiber Optic Technician

CLASSIFICATION: Nonexempt

PAY RANGE: 11

JOB LOCATION: 1455 W. Arrow, Marshall, MO

**NORMAL WORK SCHEDULE:** Forty (40) hours per week, may vary between four- and five-day work week as circumstances dictate. Includes after-hours and weekend duty as may be scheduled or unscheduled during emergencies, storms, outages or periods of equipment failure, and as necessary to accomplish on-site customer service and priority work. Required to work on-call/standby duty cycles.

**BASIC DESCRIPTION OF WORK:** Constructs, installs, maintains and troubleshoots fiber optic infrastructure and other broadband communication system wires and infrastructure. Duties include work in and around customer residences and businesses for the purpose of installing and maintaining the customer connection to MMU's fiber optic network.

This job requires the following education and/or experience:

High School graduate or equivalent

This job requires the following,

- (1) at the time of hire:
  - a. Telephone (cellular or landline at residence)
  - b. Valid Missouri Class F Driver's License
- (2) obtained on the job
  - a. Valid Missouri Class A Commercial Driver's License (within 6 months)
  - b. Residency within or in close proximity to Marshall

**PRIMARY DUTIES OF JOB:** Under minimum supervision, performs mostly outdoor field work as assigned by supervisors, involving the construction, installation, and maintenance of fiber optic cable. Installs, troubleshoots, and maintains fiber optic connections to customer homes and business. Installs, troubleshoots, and maintains related broadband communications equipment and cables. Coordinates with customers to determine best routes to install cables on customer property. Responsible for assuring customer's questions and concerns are answered thoroughly during installations or service calls.

**SECONDARY DUTIES OF JOB:** May assume other duties as assigned. Performs mechanical and fusion splicing with all types of fiber optic cable. Assists other utility departments as needed.

To do this job you must be able to:

- Operate a vehicle with frequent in and out
- Distinguish and recognize colors
- Read and understand maps and blueprints, electrical schematics and electrical drawings
- Understand safety codes, written symbolic and verbal instructions of a complicated nature
- Operate equipment effectively such as fork lift, hoist truck, bucket truck, trencher, etc.
- Operate various power and hand tools such as splicers, cleavers, cable strippers, wrenches, hammer, screwdriver
- Visually (in variety of conditions) obtain accurate data from various written material
- Complete necessary reports
- Operate personal computer, includes use of laptop
- Draw one-line drawings on location showing measurements, repairs, location of materials, etc.
- Work safely alone and with others in a compatible manner
- Communicate effectively, in English, verbally in person and by telephone/radio and through written material including e-mail
- Wear standard safety equipment including hard hat and eye and ear protection
- Function with rapport regarding suppliers, engineers, contractors, the general public, employees of MMU and management

**PHYSICAL DEMANDS:**

- 1) Walk, climb and descend ladders and stairs
- 2) Climb wood poles up to 70 feet, steel poles up to 100 feet
- 3) Dig ditches by hand with shovels and spades
- 4) Lift moderate to heavy weights (30-100 lbs.)
- 5) Pull fiber optic cable by hand and mechanical means
- 6) Work in confined spaces and heights
- 7) Climb in and out of deep ditches, pits, vaults, etc.
- 8) Squat, kneel, bend and reach overhead

**ENVIRONMENTAL CONDITIONS:** Must be able to work in and withstand adverse weather and unfavorable conditions (hot, cold, muddy, wet, dusty and greasy).

**SUPERVISION RECEIVED:** Works under the general supervision of the IT & Broadband Director and the direct supervision of the Lead Fiber Optic Technician, or others as assigned.

**SUPERVISION GIVEN:** May assist in or be responsible for the training of personnel in apprentice position as assigned by the IT & Broadband Director.