

The **Intelligent Transportation System (ITS) Field Technician** will be responsible for ITS field device installation, integration and testing as well as remedial and preventative maintenance activities. This position will be heavily focused on the preventative maintenance, troubleshooting, and repair of Road Weather Information Systems (RWIS) devices.

This position will be required to travel regularly to work at sites throughout Michigan's Upper Peninsula and the northern half of Michigan's Lower Peninsula. Typically, this position will dispatch directly from the employee's personal residence to the field. This position's assigned office is the Integral Blue Auburn Hills, Michigan office, and therefore occasional travel to Auburn Hills, Michigan will be required. Integral Blue provides ITS Field Technicians with proper tools and equipment. This position will be provided with a take-home company vehicle and is eligible for paid drive time according to company policy.

Integral Blue, LLC provides a competitive employment package including

- Competitive wage compensation
- Paid Time Off
- Paid holidays
- Health, dental, vision group benefits coverage options
- Short Term Disability, Critical Illness, Hospitalization, and Accident coverage options
- Company paid Basic Life \ AD&D and Long-Term Disability coverages
- Supplemental Life \ AD&D insurance options
- 401k with match of 50% up to 6% of annual income
- Education assistance - \$5,250 annually
- Cellular Phone - \$100 monthly
- Safety Boot Reimbursement - \$200
- Employee Referral Incentive - \$1,200

### **Key Responsibilities**

- Diagnoses, troubleshoots, and repairs a variety of ITS equipment and network infrastructure.
- Repairs copper-wired, fiber-optic, and wireless communication systems related to ITS equipment.
- Tests ITS equipment using a variety of testing devices such as personal computers, network analyzers, spectrum analyzers, multi-meters, lidar guns, handheld video detectors, meggers, and oscilloscopes.
- Interprets construction plan sets, as-built drawings, schematics, and interconnect drawings for the purpose of installing and diagnosing ITS equipment.
- Responds to emergencies relating to problems and situations involving ITS equipment.
- Operates motorized equipment such as an aerial lift, bucket truck and truck mounted attenuator (TMA) for purposes of installing and repairing ITS equipment.
- Performs Preventative maintenance services on ITS equipment, communications systems, and infrastructure.

- Performs acceptance test procedures for new ITS components.

### **Qualifications Required**

- Three (3) years of experience in electronics troubleshooting and repair, electrical wiring theory, principles, and practices.
- Must have experience in telecommunications industry including but not limited to system installation, circuit design and flow standards, and troubleshooting.
- Must have experience using test equipment, such as but not limited to network analyzers, spectrum analyzers, multi meters, and ground fault locators.
- Must have ability to obtain a First Aid and CPR certification.
- Must have ability to complete an OSHA 10 Hour Safety Training program, and obtain an OSHA 10-Hour Safety Card.
- Must be able to work outdoors in all types of weather conditions.
- Must be able to work in a confined space; walk, bend, and lift, up to 75 pounds.
- Must be able to move, carry and climb ladders at various heights.
- Must be able to perform aerial vehicle operations and work at various heights up to 100 feet.
- Must be computer proficient and have experience with Windows and Microsoft Office.
- Must be available to work overtime and some weekends (as needed).
- Must have a High School Diploma or General Education Development (GED) Certificate.
- Must be able to pass a drug screen, physical and background checks.
- Must have a Valid driver's license and a safe driving record.

### **Qualifications Desired**

- Associate of Applied Science (AAS) degree in Electrical Engineering, Engineering Technology, Computer Technology.
- Ability to analyze construction plan sets, as-built drawings, schematics, and interconnect drawings of electrical and communication systems.
- Industry recognized Internet Protocol (IP) network and cyber security certifications.
- Industry recognized wireless communication certifications.
- Industry recognized structured cabling installation certifications.
- Industry recognized Fiber Optic certifications.
- Commercial Driver's License.

### **Knowledge, Skills, and Abilities Required**

- Knowledge of using hand and power tools.
- Knowledge of the proper procedures for operating, inspecting, and maintaining assigned equipment including aerial lifts, bucket trucks and truck mounted attenuators (TMA).
- Knowledge of occupational hazards, safety precautions and safety regulations related to equipment operation, electric currents, traffic patterns and conditions and other work-related precautions to include basic first aid and Cardiopulmonary Resuscitation (CPR).

- Ability to plan and organize a daily work routine.
- Ability to establish priorities for the completion of work in accordance with sound time-management methodology.
- Ability to communicate ideas effectively, including the preparation of reports and logs.
- Ability to listen and understand directions, information and ideas presented verbally and in writing.
- Ability to collaborate with a diverse project team including Foreman, Field Superintendent, Network/Systems Engineers and Project Managers.
- Ability to develop and maintain cooperative and professional relationships with employees, representatives from other departments, organizations, and the public.
- Ability to use logic and reasoning to understand, analyze and evaluate situations and exercise good judgement to make appropriate decisions.

### **Health and Safety**

- Must be able to constantly walk, bend, and regularly lift up to 75 pounds.
- Must be able to carry and climb ladders at various heights.
- Demonstrate a strong commitment to grow and foster a culture of safety by upholding standards and best practices of safety in the workplace.
- Commit to putting safety first in all aspects of work.
- Report all safety concerns, incidents and near misses.

### **Physical Requirements**

- Must be able to lift 15 pounds at times.
- Must be able to constantly walk, bend, and regularly lift up to 75 pounds.
- Must be able to carry and climb ladders at various heights.
- Must be able to access and navigate each department at the organization's facilities.

### **Company Culture**

- Demonstrate commitment to the company's core values.
- Participate in all initiatives supporting the company's core values.

### **Travel Requirements**

- Regular day trips required across Michigan's lower peninsula.
- Occasional overnight trips required to Michigan's upper peninsula.
- Possible out of state travel.

Integral Blue is an Equal Employment Opportunity Employer