

Toll System Maintenance Technician

The Rhode Island Turnpike and Bridge Authority, a quasi-public agency, is seeking applications for a toll system maintenance technician. Prior knowledge and experience of Electronic Toll Collection Systems preferred. The candidate must be able to work a flexible schedule and perform on call duty including nights, weekends, and holidays.

Interested persons should submit a letter of intent and resume electronically to Marianne Durgin, Executive Assistant to the Director, mdurgin@ritba.org. These documents must be submitted by May 23, 2018 at 4 p.m.

The RITBA is an Affirmative Action/Equal Opportunity Employer.

Toll System Job Description:

The successful candidate will manage and maintain Toll Collection Systems throughout RITBA facilities. Responsible for monitoring daily lane activity and E-ZPass troubleshooting as needed. Establish and monitor use of preventative/predictive maintenance activities. The knowledge and experience with hands-on integrated environment, the ability to apply test technologies and procedures required to troubleshoot and maintain a complex Digital/Analog Electronic Toll Collections systems is critical. Familiarity with circuit tests and debugging protocols are necessary in the daily preventative maintenance and overall system operational maintenance requirements.

Responsibilities and Performance Standards:

- The Lane technician will perform installation, repair, maintenance, and administration of the Toll Collection System at all RITBA sites
- Monitor and diagnose problems involving vehicle detection equipment, antennas, RF sources, video cameras, switches, vehicle ID readers
- Read and interpret ETC plans
- Maintain, install, upgrade, modify or replace equipment as directed or required
- Perform preventative maintenance program according to schedule
- Perform maintenance and repair as needed
- Receive and check in inventory
- Monitor automatic trouble reporting system to ensure timely problem resolution in accordance with guidelines per contract
- Monitor repairs for timely completion and submit approval for ticket closure
- Respond to and correct trouble ticket issues

Familiar with and able to support:

- Induction loops
- Fiber optic treadle systems
- RS232/422 serial communication systems
- Laser scanner systems
- 5 & 12 volt "Opto 22" logic systems

- “Snap” controller technology systems
- RF “Kapsch Multiprotocol” readers systems (Antennas, RF module, controller systems”
- Parking/Toll Road barrier systems (gates, interfaces, and mechanical systems)
- Circuit board level troubleshooting and repair
- RF systems (remote signs, communication radios, broadcasting systems)

General Requirements:

- Mechanically and physically able to repair facility systems
- Able to lift up to 50 lbs.
- Able to climb and crawl to perform repairs and work in hot/cold environments
- Valid driver’s license and good driving history
- “Bondable” (able to pass background security/criminal checks for credit card systems and PCI compliance)
- Familiar with OSHA and road safety guidelines and procedures
- Support and work with electricians in lane configurations (familiar with electrical wiring)
- Must show a willingness to learn and expand responsibilities
- Must be a self-starter and work well independently or with other trades (Electrician, Maintenance, and Engineering)
- Small tool, mechanical tool, electronic tool knowledge and proficiency required
- Prior knowledge and experience of Electronic Toll Collection systems preferred