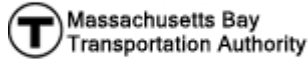


**MASSACHUSETTS BAY TRANSPORTATION AUTHORITY  
invites applications for the position of:**



## Program Manager for Positive Train Control

<b>JOB #:</b>	16-16056
<b>OPENING DATE:</b>	08/03/16
<b>CLOSING DATE:</b>	Continuous
<b>SALARY:</b>	Negotiable
<b>UNION AFFILIATION:</b>	Executive
<b>DEPT:</b>	Design & Construction
<b>LICENSES/CERTIFICATIONS:</b>	None Required
<b>SAFETY SENSITIVE:</b>	This is a Safety Sensitive Position. Incumbents will be subject to periodic random drug & alcohol testing.
<b>ESSENTIAL CLASSIFICATION:</b>	During declared States of Emergencies, employees working in this classification are required to report to work for their assigned work hours or as directed by supervisory personnel.

### JOB SUMMARY:

The Massachusetts Bay Transportation Authority (MBTA) seeks a strong, versatile senior leader to implement the MBTA's PTC Systems Integration Program on its commuter rail lines. The successful candidate must demonstrate a depth of experience in Positive Train Control systems and their implementation on commuter rail.

The PTC Program Manager must be able to define and articulate a vision for the successful completion of the PTC Program and provide inspirational leadership to a highly talented and experienced team. The PTC Program Manager should be adept at solving complex technical and program issues and providing clear leadership and direction to various technical consultants, engineers and designers. The Program Manager will direct all oversight activities of the Systems Integrator (Ansaldo), Program Manager (Jacobs/LTK) and specialists provided by the Program Manager, including: Project Engineer, Communications Specialist, Railway Signal Specialist, Carborne Systems Specialist and other Program participants. The Program Manager will also engage and interact closely with the MBTA's Commuter Rail Operator (Keolis).

### About The MBTA

The Massachusetts Bay Transportation Authority is America's fifth largest transit system offering multi-modal transportation services to 175 member cities and towns and 4.7 million residents across a 3,200 square mile area. It is a public authority and political subdivision of the Commonwealth. The MBTA operates heavy rail, light rail, commuter rail, bus, and commuter boat services.

The MBTA's Commuter Rail system is the fifth-busiest commuter rail in the country. Only systems in New York City and Chicago areas are busier. The lines go as far south as Wickford Junction, Rhode Island, and as far north as Newburyport, and they run as far west as Worcester, and Fitchburg Massachusetts. Trains either originate or terminate in Boston at either South Station or North Station. Both transportation hubs offer connections to Amtrak, local bus and subway lines. Currently a third party contractor (Keolis) operates and maintains the MBTA's Commuter Rail Service.

The MBTA's commuter rail service area includes one hundred seventy-five (175) Commonwealth of Massachusetts communities, as well as Rhode Island. Commuter rail service is provided to one hundred and thirty-three (133) stations over six hundred sixty-four (664) revenue miles of track. The MBTA commuter rail trains operate over a network of fourteen lines, emanating from the two terminals in downtown Boston.

### PTC Program

The MBTA has contracted with a Systems Integrator (Ansaldo) for the design, integration, delivery of materials, onboard installation, field installation, testing, commissioning training, technical support and documentation for a Positive Train Control system (PTC). The PTC is a federally mandated system of functional requirements for monitoring and controlling train movements to provide increased safety.

The MBTA PTC Program is an approximately \$450 million program to provide an integrated ACSES II-based PTC System that is compliant with 49 CFR 236, on designated MBTA rail lines.

## **DUTIES & RESPONSIBILITIES:**

### **Primary Responsibilities of the PTC Program Manager**

- The PTC Program Manager is the senior leader accountable for execution of MBTA tasks related to the implementation of the PTC System including:
  - Performing Owner's project management, project control and maintenance and operations contractor coordination
  - Overseeing and managing the consultant Program Manager
  - Project controls in place to ensure adherence to scope, schedule and program cost
  - Obtaining Interoperability Agreements with other railroads
  - Reviewing Systems Integrator prepared Federal Railroad Administration (FRA) documentation, and when accepted, submitting the required documents including PTCDP variances and revised PTCIP as may be required, and PTCSP to the FRA
  - Providing new or revised Operating rules as required
  - Reviewing and, as applicable, approving Systems Integrator submittals
  - Providing an area where the Systems Integrator can establish an office at the designated onboard vehicle installation locations
  - Providing the Systems Integrator with in-service level PDF drawings of the MBTA signal, communication and vehicle systems as they are available
  - Coordinate with Program stakeholders
- Reports directly to the MBTA General Manager and is subject to the oversight of the Fiscal and Management Control Board
- Develops and maintains policies and procedures to guide the PTC Program Management team
- Is responsible for delivering all program outcomes
- Is the face of the PTC Program for the MBTA

## **MINIMUM REQUIREMENTS/QUALIFICATIONS:**

- Demonstrated capacity to succeed as the senior responsible leader in charge of delivering a major PTC Program Implementation or similar scale commuter rail program
- Demonstrated capacity to implement PTC Systems through a Systems Integrator (SI) on a major commuter railroad in the United States
- Minimum of 15 years of experience in leading and managing complex infrastructure programs operations for commuter rail systems.
- Minimum 5 years of experience as the responsible Program Manager for implementation of infrastructure or rail programs of comparable scale
- Familiarity with On-Board PTC Systems, Wayside Systems Interface, Communications Systems Interface, Cab Signal Systems, Back Office Train Dispatching Systems Interface, RF Network Systems, Systems Validation Testing, On Board System Elements, Wayside System Elements, Communication System Elements, Cab Signal System Elements, Back Office Train Dispatching System Elements and RF Network Elements.
- Demonstrated experience working collaboratively with the Federal Railroad Administration implementing ACSES, ACSES II (including ABS Mode) and I-ETMS systems.
- Demonstrated success in leading large, complex organizations, preferably in the public sector

### **Education and Qualification**

- Bachelor of Science in Civil Engineering or related field; MSCE or equivalent in a related field preferred
- Professional registration in engineering, architecture, or other relevant field preferred in Massachusetts or ability to obtain Massachusetts professional registration through reciprocity

### **Communication and Interpersonal Skills**

- Must possess superior communication skills worthy of a senior leader

- A highly motivated self-starter capable of performing without detailed direction or close supervision
  - Comfortable being the accountable entity for the Program
  - Decisive ability to make thoughtful decisions
  - Inspirational leadership qualities
  - Calm and courageous under pressure
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The above statements are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of employees assigned to this job. The Authority is advertising the above vacancy notice as a matter of policy without waiving any rights under the law or establishing a precedent. Further, the Authority reaffirms its right to select candidates from any source.

The MBTA/MASSDOT is an Affirmative Action/Equal Opportunity Employer.

If you are a person with a disability and need this posting in an alternate format, such as Brailled, large printed or audio, please contact the Americans with Disabilities Act Coordinator at 857-368-8744.

If this information is needed in another language, please contact the MassDOT Title VI Specialist at 857-368-8580.

Si necesita esta información en otro idioma, por favor contacte al especialista de MassDOT del Título VI al 857-368-8580.

Caso esta informação seja necessária em outro idioma, favor contar o Especialista em Título VI do MassDOT pelo telefone 857-368-8580.

如果需要使用其它語言了解信息，請聯繫馬薩諸塞州交通部（MassDOT）民權法案第六章專員，電話 857-368-8580。

APPLICATIONS MAY BE FILED ONLINE AT:

<http://www.mbta.com>

Position #16-16056  
PROGRAM MANAGER FOR POSITIVE TRAIN CONTROL  
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