



TRANSPORTATION DATA MANAGER

Department: Strategic & Business
Planning
Unit: 5070
Level: 8, Exempt

Supervisor's Title: Manager of
Transportation Planning
Supervises: No Staff

Purpose: Participates in and supports a wide range of transportation data planning activities and special projects, including: collecting, analyzing, and reporting transportation data in support of Logan Airport ground access operations; managing major ground transportation data collection efforts; identifying opportunities for improvement of ground transportation services; conducting analysis of transportation issues, policies, projects or operations that have the potential to affect the Authority's properties or interests; collaborating with other Massport departments (Aviation, Maritime, Real Estate) on projects as needed. Represents the Authority at community meetings and at inter-agency meetings. Coordinates with partner agencies such as MassDOT, MBTA, and the City of Boston.

ESSENTIAL RESPONSIBILITIES OF THE JOB

Ground Transportation Data Reporting, Management, and Analysis

- Responds to needs associated with ground transportation and transit operational strategies; monitors and reports on vehicle volumes on terminal area roadways, parking utilization, transit ridership, and related ground transportation activity. Guides the development of ground transportation data dashboards.
- Manages the Boston Logan ground passenger survey, including procurement, survey deployment, review of deliverables, and analysis of results.
- Oversees and reports on the Logan Automatic Traffic Monitoring System, which continuously collects vehicle volumes on terminal areas roadways using permanent traffic count equipment. Coordinates sensor repair and maintenance as needed.
- Develops and maintains custom monthly reporting capabilities on key Logan ground access activity metrics, including air passenger ground access trends, and tracks activity for gateway access points and landside facilities.
- Coordinates with MBTA staff to track ridership on Silver Line SL1 and SL3 buses, Rt. 104, Blue Line, and ferry services that serve the Logan Water Transportation Dock. Reviews other key performance metrics for SL1 service including headways, runtime, on-time performance, and load factors.
- Updates ground access data reporting and other content for the annual Logan Environmental Data Report (EDR)/Environmental Status and Planning Report (ESPR).

- Responds to all internal requests for landside data and technical analysis to support internal business line planning, operations, permitting, regulatory compliance, and Massport responses to media and stakeholder inquiries.
- Reviews the ground transportation portions of environmental and permitting documents.
- Proactively analyzes data to identify trends, flag emerging issues, and translate complex data into clear, actionable insights for both technical and non-technical stakeholders across departments.

Long-Range Planning and Development

- Develops projections and forecasts; supports multi-modal transportation planning, including transit and shuttle bus operations and service planning.
- Applies transportation and traffic simulation models to support roadway and intersection operations.
- Supports preparation of documents and analyses for environmental permits and reports related to transportation elements of Aviation, Maritime, and Real Estate projects.
- Coordinates with Central Transportation Planning Staff (CTPS) to support regional transportation modeling and interpret outputs of passenger and freight models.
- Reviews electric vehicle (EV) adoption data, monitors EV charging station utilization, and provides feedback on future EV supply infrastructure planning for passenger garages, Ride Apps, taxis, and limos to support Net Zero commitments.
- Research transportation industry trends, regulatory requirements, and best-practice standards; prepare summary reports and presentations about findings.

Project Planning and Oversight

- Coordinates with state, regional, and municipal transportation agencies on projects and initiatives of mutual interest.
- Provides support to inter-departmental teams that are evaluating, developing, designing, and permitting projects at Logan Airport or other Massport properties.
- Assists with the management and direction of consultants, including review of data deliverables and draft reports.

Consultant Management

- Assists with preparation of RFPs and RFQs.
- Participates in selection and management of transportation consultants.
- Prepares work orders, manages budgets/invoices and contracts.

Transportation Demand Management

- Prepares and reviews transportation demand management programs and initiatives.

- Develops strategies and tracks progress towards shifting employee commutes to transit and other high-occupancy vehicle modes.
- Conducts employee commute surveys and analysis of employee origins and transit access.

Prepare presentations and communication materials for a range of audiences, including, but not limited to: Massport staff; Massport Board; state, federal, and local agencies; businesses, community groups, and the media. Presentation materials may include, but not be limited to: PowerPoint slides, maps, flyers, and other graphics; Tableau dashboards, charts, tables, and plans; and written reports and technical memoranda.

Perform other duties as requested by the Strategy team and Chief Executive Officer.

JOB REQUIREMENTS AND QUALIFICATIONS

Education

BA/BS Degree in Urban/Transportation Planning, Economics, or comparable field (e.g. Environmental Science, Data Science, etc.); Master's/advanced degree is a plus.

Experience

5+ years of transportation planning in the public- or private-sector; experience in a port authority or airport is a plus.

SKILLS AND COMPETENCIES

- Skilled in use of computer software and data management programs including Microsoft Excel, Tableau and SPSS (or similar); PowerPoint; and word processing programs. Proficiency in ArcGIS and other data analysis/visualization tools a plus.
- Familiarity with other web-based transportation data platforms and tools including: Swiftly, RITIS, Chargepoint, geoDOT, MassDOT's Transportation Data Management System, and GTFS data feeds for real-time transit tracking.
- Demonstrated experience in working with multidisciplinary project teams, and various project constituencies.
- Understanding of construction drawings, maps, charts and other design-related materials.
- Effective interpersonal skills and a collegial, team approach to problem-solving.
- Excellent oral and written communications skills.
- Ability to express and exchange ideas; ability to communicate technical analyses to a non-technical audience.

WORK SCHEDULE AND OTHER REQUIREMENTS

- Ability to work a 37.5-hour work week in a hybrid capacity.
- This position is based at Massport's Logan Office Center and requires in-person presence to meet the fluctuating needs of the Strategic & Business Planning department as necessary.
- Ability to pass Massport's controlled substance test and background checks.
- Current and valid driver's license.

EQUIPMENT USED

Desktop computer (Windows OS), multi-line telephone / voice mail, photocopier, fax, printer, calculator, digital camera, smartphone; architectural, engineering and consultant documents, drawings and charts; Massport motor pool vehicles; traffic counting equipment.