



CAREER RESOURCE GUIDE



Career Resource Guide

This document contains job and career descriptions generally associated with bus rapid transit (BRT) systems.

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Construction Phase (Pre-Operations)

These areas are anticipated to be needed in the next 12-24 months (2026/2027). Construction companies and consulting agencies may hire for these in-demand fields.

Refer to the Education Legend below for requirements associated with each job.

Construction Management & Oversight

Site Supervisor

Directs on-site activities, supervises crews, and enforces safety protocols.

Education: ■ ■

Construction Manager

Oversees the entire construction process, coordinates contractors, and ensures timelines/budgets are met.

Education: ■ ■

Project Manager

Manages day-to-day execution, stakeholder communication, and risk mitigation.

Education: ■ ■

Education Legend

■ High School Diploma ■ Associate's Degree ■ Certification ■ Training ■ Bachelor's Degree ■ Master's Degree ■ License Required

Skilled Labor & Trades

Heavy Equipment Operators

Operate machinery for lane paving, grading, and station construction (crane operator, forklift driver).

Education: ■ ■

☑ SC Works Training Available

Welders/Metal Workers

Fabricate and install station structures (e.g., shelters, platforms).

Education: ■ ■

☑ SC Works Training Available

Concrete Workers

Pour and finish concrete for lanes curbs, and station foundations.

Education: ■ ■

☑ SC Works Training Available

Electricians

Wire electrical systems for stations, ticketing machines, and communication networks.

Education: ■ ■

☑ SC Works Training Available

Engineering, Construction, & Technical Roles

BRT Station Builders

Specialized crews for constructing elevated platforms, boarding islands, or prefabricated stations.

Education: ■ ■

 SC Works Training Available

Signing and Pavement Marking Teams

Paint bus-only lanes and install priority signage.

Education: ■ ■

 SC Works Training Available

Surveyors

Map terrain, stake out alignments, and ensure accurate placement of infrastructure.

Education: ■ ■

 SC Works Training Available

Electrical Engineers

Install and test electrical systems (e.g., station lighting, fare machines, real-time signage).

Education: ■ ■

 SC Works Training Available

Civil Engineers

Oversee the entire construction process, coordinates contractors, and ensures timelines/budgets are met.

Education: ■ ■

Compliance & Safety

Quality Assurance Inspectors

Verify materials and workmanship meet design specifications.

Education: ■ ■

 SC Works Training Available

Safety Inspectors

Enforce Occupational Safety and Health Administration (OSHA) standards, conduct site audits, and mitigate hazards.

Education: ■ ■

Environmental Compliance Officers

Monitor adherence to environmental permits (e.g., erosion control, noise/dust mitigation).

Education: ■ ■

Education Legend

■ High School Diploma ■ Associate's Degree ■ Certification ■ Training ■ Bachelor's Degree ■ Master's Degree ■ License Required

Logistics & Procurement

Fleet Managers

Coordinate construction vehicles (e.g., dump trucks, cranes).

Education: ■ ■

 SC Works Training Available

Inventory Controllers

Track materials and equipment to avoid delays.

Education: ■ ■

Procurement Specialist

Source and manage delivery of construction materials (e.g., concrete, signage).

Education: ■ ■

Public Coordination & Support

Traffic Control Personnel

Direct vehicles/pedestrians around work zones and install temporary signage.

Education: ■ ■

 SC Works Training Available

Public Relations/ Community Liaisons

Communicate construction updates, address resident concerns, and manage detour notifications.

Education: ■

Technology & Systems Integration

ITS (Intelligent Transportation System) Technicians

Install and test real-time tracking, ticketing, and communication systems.

Education: ■

 SC Works Training Available

Network Engineers

Set up data infrastructure for operational technology (e.g., signal prioritization, fare).

Education: ■

 SC Works Training Available

Education Legend

■ High School Diploma ■ Associate's Degree ■ Certification ■ Training ■ Bachelor's Degree ■ Master's Degree ■ License Required

Operations

These areas may be needed when the system opens to the public (2029).

Refer to the Education Legend below for requirements associated with each job.

Operations & Management

BRT Operator/Driver

Drives buses (requires training for high-frequency, dedicated lane operations).

Education: ■

 SC Works Training Available

Integration Coordinator

Ensures seamless connectivity with other transit modes.

Education: ■

BRT Dispatcher

Monitors real-time operations and coordinates buses.

Education: ■ ■

 SC Works Training Available

Operations Manager

Manages daily BRT services, schedules, and staff.

Education: ■ ■

Fleet Manager

Maintains bus inventory, procurement, and lifecycle management.

Education: ■ ■

 SC Works Training Available

Procurement Specialist

Acquires buses, equipment, and technology.

Education: ■ ■

Maintenance

Infrastructure Maintenance Worker

Upkeeps stations, lanes, and signage.

Education: ■

 SC Works Training Available

BRT Bus Mechanic

Performs maintenance and repairs on buses.

Education: ■ ■

 SC Works Training Available

Ticketing System Technician

Services fare collection machines and software.

Education: ■

 SC Works Training Available

Education Legend

Customer Service & Safety

Customer Service Representative

Handles complaints and passenger inquiries.

Education: ■

 SC Works Training Available

Security Officers

Ensures safety at stations and on buses.

Education: ■ ■

Safety Inspector

Conducts audits to comply with safety regulations.

Education: ■ ■

Technology & Data

IT Support Technician

Maintains BRT technology infrastructure.

Education: ■

 SC Works Training Available

ITS Specialist

Manages real-time tracking, ticketing, and communication systems.

Education: ■

 SC Works Training Available

Data Analyst

Analyzes ridership data to optimize routes and schedules.

Education: ■

 SC Works Training Available

Software Developer

Creates apps for trip planning and fare payment.

Education: ■

 SC Works Training Available

Education Legend

■ High School Diploma ■ Associate's Degree ■ Certification ■ Training ■ Bachelor's Degree ■ Master's Degree ■ License Required

Education & Training

BRT Driver Trainer

Teaches specialized driving techniques for dedicated lanes.

Education: ■ ■



SC Works Training Available

Safety Instructor

Trains staff on emergency protocols and passenger safety.

Education: ■ ■

Sustainability & Marketing

Sustainability Coordinator

Implements eco-friendly practices (e.g., electric buses).

Education: ■

Marketing Specialist

Promotes BRT usage through campaigns and outreach.

Education: ■



SC Works Training Available

Policy & Administration

Public Relations Specialist

Engages communities and promotes BRT benefits.

Education: ■

Grant Writer

Secures funding through proposals and partnerships.

Education: ■ ■

BRT Program Manager

Oversees entire BRT project lifecycle.

Education: ■ ■

Policy Advisor

Develops regulations and secures funding.

Education: ■ ■

Education Legend

■ High School Diploma ■ Associate's Degree ■ Certification ■ Training ■ Bachelor's Degree ■ Master's Degree ■ License Required

Legal & Finance

Documents Controller

Manage permits, blueprints and compliance records.

Education: ■

Financial Analyst

Manages budgets and cost-effectiveness.

Education: ■

 SC Works Training Available

Legal Advisor

Handles contracts, permits, and regulatory compliance.

Education: ■

Grant Compliance Officer

Ensure federal grant requirements are met (e.g., labor standards, reporting).

Education: ■ ■

 SC Works Training Available

Cost Estimator

Track expense and forecast budgets to avoid overruns.

Education: ■ ■

Administration & Human Resources

Human Resources Manager

Recruits and manages staff across BRT departments.

Education: ■ ■

Service Quality Auditor

Ensures adherence to performance and comfort standards.

Education: ■ ■

 SC Works Training Available

Education Legend

■ High School Diploma ■ Associate's Degree ■ Certification ■ Training ■ Bachelor's Degree ■ Master's Degree ■ License Required





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