

## Rail Transit Maintenance



### Report 170

#### **Establishing a National Transit Industry Rail Vehicle Technician Qualification Program - Building for Success**

This report describes a system of qualification that has been developed for rail vehicle technicians. This qualification system is available for implementation through the Transportation Learning Center. The program integrates national training standards, progressive classroom curricula and introductory courseware, on-the-job learning modules, an apprenticeship framework that combines well-designed sequences of learning, mentoring to support learners, and coordination of classroom and on-the-job learning.

### Report 159

#### **Transforming Public Transportation Institutional and Business Models**

This report offers strategy for defining and implementing transformative change in institutional and business models, thus facilitating the operation and maintenance of public transportation systems. The report identifies the components of transformative change and examines potential consequences of change.

### Report 155

#### **Track Design Handbook for Light Rail Transit, Second Edition**

This report provides guidelines and descriptions for the design of various common types of light rail transit (LRT) track. The track structure types include ballasted track, direct fixation (“ballastless”) track, and embedded track. Characteristics and interfaces of vehicle wheels and rail, tracks and wheel gauges, rail sections, alignments, speeds, and track moduli are considered in this report.

### Synthesis 107

#### **Rail Transit Track Inspection Practices**

This synthesis offers information across a range of older and newer U.S. rail transit agencies on track inspection practices and policies. Since there are no actual rail track safety or maintenance standards promulgated for transit, this report is designed to help to provide rail transit agencies with information that might help it develop its own set of track safety and maintenance standards. Issues addressed in the report include agency staffing, agency organization and characteristics, track inspection program criteria, training and certification, procurement, and track safety practices.

### Synthesis 100

#### **Elevator and Escalator Maintenance and Safety Practices**

This synthesis documents elevator and escalator maintenance activities, safety practices, and passenger communication efforts at five U.S. transit agencies. The five agencies where information was gathered are MARTA (Atlanta, Georgia), NYCTA (New York, New York), SEPTA (Philadelphia, Pennsylvania), CTA (Chicago, Illinois), and BART (San Francisco, California).

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