

Bus Transit Operations



Report 235

Improving Access and Management of Public Transit ITS Data

This report proposes a data structure for storing data from bus and rail intelligent transportation systems (ITS).

Synthesis 164

Bus Rapid Transit: Current State of Practice

This report documents the current practices and lessons learned about U.S. and Canadian transit systems that use BRT components to improve the reliability of bus service, bus travel time, operation efficiency, and customer satisfaction and to increase ridership.

Synthesis 169

Pedestrian and Bicycle Safety in Bus Rapid Transit and High-Priority Bus Corridors: A Synthesis of Transit Practice

This report documents practices in BRT/high-priority bus transit corridor planning, design, and construction, with a focus on pedestrian and bicycle safety.

Synthesis 171

Third-Party Contracts for Fixed-Route Bus Operations and Maintenance: Performance Metrics

This report focuses on the performance metrics used in contracts for fixed-route bus operations and maintenance, extending the 2018 findings of TCRP Synthesis 136: Contracting Fixed-Route Bus Transit Service.

Synthesis 130

Battery Electric Buses - State of the Practice

This report documents current practices of transit systems in the planning, procurement, infrastructure installation, operation, and maintenance of battery electric buses (BEBs). The synthesis is intended for transit agencies that are interested in understanding the potential benefits and challenges associated with the introduction and operation of battery electric buses. The synthesis will also be valuable to manufacturers trying to better meet the needs of their customers and to federal, state, and local funding agencies and policy makers.

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