

Planning



Synthesis 151

Maintenance Planning for Rail Asset Management—Current Practices

This report presents the results of a survey and the analysis of the response data in an effort to synthesize current practices.

Report 194

Knowledge Management Resource to Support Strategic Workforce Development for Transit Agencies

This guidebook explores the importance of knowledge management (KM), which is an organization's process for collecting, storing, and sharing organizational information and knowledge, and provides guidance on implementing KM strategies in transit agencies. In addition, the guidance includes action plans for developing particular aspects of KM, analysis of KM strategies at several transit agencies, and a catalog of KM technology tools and resources.

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.

Synthesis 129

Managing Extreme Weather at Bus Stops

This report documents current practices of transit systems to determine methods and procedures used for maintaining transit stops and associated infrastructure during and following such weather events. This synthesis also provides a state-of-the-practice report on transit systems' management of extreme weather events; associated planning; management responsibilities; efforts to respond; standards and specifications; associated legal claims; and communication with customers.

Synthesis 124

Planning and Design for Fire and Smoke Incidents in Underground Passenger Rail Systems

This report documents the state-of-the-practice to address fire and smoke incidents. Fires in underground passenger rail tunnels require implementation of different measures in order to provide safety for the passengers and ensure structural and system integrity of the facilities and operating infrastructure. The publication addresses planning, design, and operations to address fire and smoke incidents, and identifies current practices including lessons learned, challenges, and gaps in information.

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