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TCRP Publications
Focused on:**

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Transit Challenges. Practical Solutions.

Bus Transit Maintenance

Report 198

The Relationship Between Transit Asset Condition and Service Quality

This report documents the development of a quantitative method for characterizing service quality and demonstrates how this quantitative measure varies with changes in asset condition. It provides guidance on how asset condition and transit service quality relate in terms of investment prioritization.

Report 197

Tools for a Sustainable Transit Agency

This report explores the development of two practical tools for improving sustainability at transit agencies: (1) The Sustainability Routemap: An interactive PDF, similar to a website, that guides the user to improve a transit agency's sustainability program through application of change management principles, best practice examples, and references to online tools. (2) The S+ROI Calculator: An Excel workbook that quantitatively evaluates potential sustainability projects in terms of financial, social, and environmental returns.

Report 184

Maintenance Technician Staffing Levels for Modern Public Transit Fleets

This report identifies existing tools and practices used to determine optimum maintenance technician staffing levels. The report also provides an analysis of variables that influence maintenance technician staffing needs.

Synthesis 120

Use of Automotive Service Excellence Tests Within Transit

This report documents how the Automotive Service Excellence (ASE) program is accepted and used within the transit bus maintenance community. The report explores how a cross section of transit bus maintenance personnel view the ASE certification program and summarizes their perspectives to improve ASE certification acceptance and participation.

Synthesis 111

Optimizing Bus Warranty

This report explores how some transit agencies address key aspects of their warranty programs. The report examines the steps taken to more accurately monitor warranty coverage periods, optimize the warranty process, and maximize warranty reimbursement.

Synthesis 106

Energy Savings Strategies for Transit Agencies

This report describes energy reduction strategies being used in the United States and Canada that address vehicle technologies; vehicle operations, maintenance, and service design; non-revenue vehicles; stations and stops; building; indirect energy use; and renewable power generation.

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