

## Bus Transit Technology



### Report 232

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#### **The Impacts of Vehicle Automation on the Public Transportation Workforce**

Advancements in the automation of transit vehicles will likely have significant impacts; however, the possible effects on the public-transportation workforce is largely unknown. This is due partly to the fledgling state of transit vehicle automation and partly to the significant amount of uncertainty about how and when automated transit services become more prevalent. This report provides an analysis of the possible impacts of automation on the public transportation workforce.

### Synthesis 163

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#### **Considering the Unbanked in Cashless Fare Payment at Point of Service for Bus/Demand-Response Services**

This report is designed to help inform transit systems of the impacts of going cashless. Several emerging trends are identified, including that transit agencies are seeking to understand how many riders are unbanked and how to meet their needs.

### Report 132

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#### **Assessment of Hybrid-Electric Transit Bus Technology**

This report explores decision-making guidelines coupled with a comprehensive life cycle cost (LCC) model designed to assist transit managers in evaluating, selecting, and implementing hybrid-electric technology options for transit buses. The LCC model allows the user to compare the total life cycle costs across several cost categories for up to 6 different "purchase scenarios.

### Synthesis 104

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#### **Use of Electronic Passenger Information Signage in Transit**

This report documents U.S. and international use of electronic passenger information signage in terms of the underlying technology, sign technology, characteristics of the information, resources required, and decision processes used to determine its use.

### Synthesis 156

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#### **Uses of Social Media in Public Transportation**

This report updates 2012's TCRP Synthesis 99: Uses of Social Media in Public Transportation and again explores the use of social media among transit agencies. It documents innovative and effective practices in the United States and Canada.

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