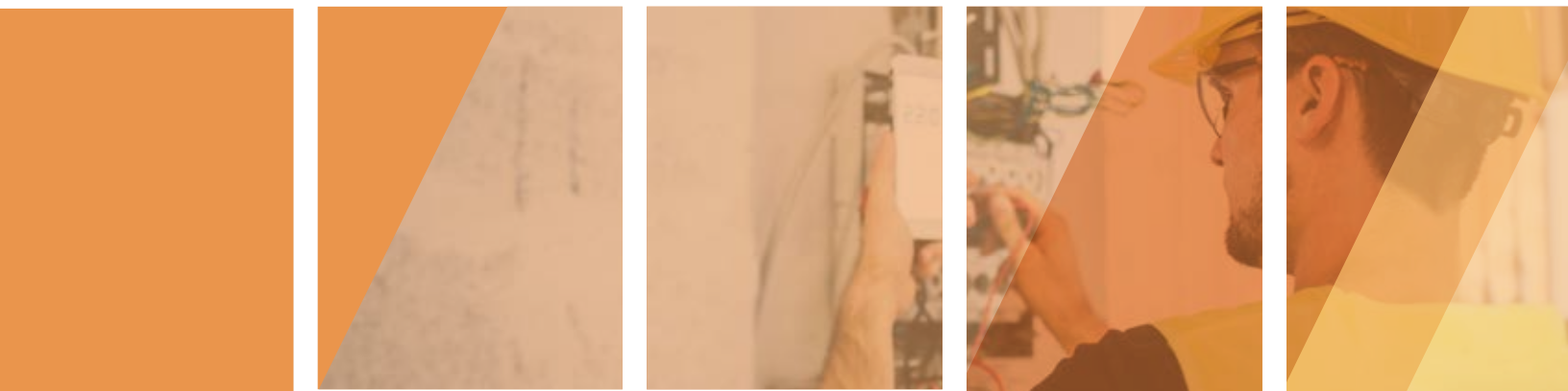


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MAINTENANCE



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GUIDELINES FOR MAINTAINING SMALL MOVEMENT BRIDGE EXPANSION JOINTS, 1ST EDITION

Item Code: MSMB-1

These guidelines provide bridge maintenance practitioners with detailed procedures for replacing, repairing, and maintaining Small Movement Expansion Joints (SMEJs). "Small movement" is defined as an expansion joint with a total movement of 4" or less. SMEJs serve an important function in the life-cycle of a bridge. They provide a smooth transition from one span to another in a multi-span bridge or from the approach roadway to the deck, and they direct water and other chemicals off of the deck and away from the bridge. While the cost of a joint may be small relative to the total cost of the bridge, the consequences of a joint failure can be significant and, as such, there has been a growing awareness of the need to develop detailed procedures for maintaining, repairing, and replacing SMEJs. **2021. 130 pp.**

PDF DOWNLOAD Code: MSMB-1-UL | List Price: \$149 | Member Price: \$110

5-USER PDF DOWNLOAD Code: MSMB-1-IP5 | List Price: \$631 | Member Price: \$468

10-USER PDF DOWNLOAD Code: MSMB-1-IP10 | List Price: \$1,114 | Member Price: \$825

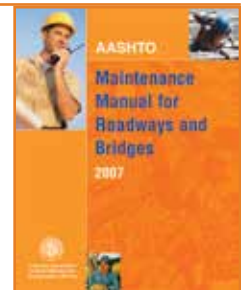


AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES, 4TH EDITION

Item Code: MM-4

This manual describes the various processes, methods, and materials that are applied to maintain bridge and highway systems effectively. The manual is based on information gleaned from highway transportation literature on maintenance and from NCHRP SP20-07, Task 170. This edition includes a chapter on "Systems Operation and Management." **2007. 372 pp.**

PDF DOWNLOAD Code: MM-4-UL | List Price: \$39 | Member Price: \$29



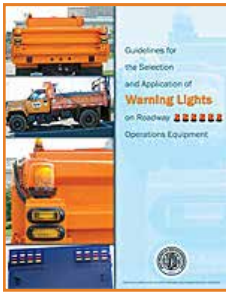
MANUAL FOR EMULSION-BASED CHIP SEALS FOR PAVEMENT PRESERVATION, 1ST EDITION

Item Code: MEBC-1

This manual, designed for use by maintenance engineers and others involved in the maintenance and preservation of flexible pavements, addresses the factors affecting chip performance, discusses design and construction considerations, and identifies procedures for selecting the appropriate chip seal materials. It provides the information necessary to design and construct long-lasting chip seals and preserve pavements. **2012. 52 pp.**

PDF DOWNLOAD Code: MEBC-1-UL | List Price: \$38 | Member Price: \$28





GUIDELINES FOR THE SELECTION AND APPLICATION OF WARNING LIGHTS ON ROADWAY OPERATIONS EQUIPMENT, 1ST EDITION

Item Code: WL-1

These guidelines have been developed based on the results of a series of experiments that considered more than forty lighting configurations in both static and dynamic environments. The metrics used in the experiments included presence of maintenance personnel, the identification of the maintenance vehicle, attention-getting, glare, peripheral detection, and urgency. Differing experimental conditions, such as weather, the presence of other vehicles, and time of day were also considered. **2009. 18 pp.**

PDF DOWNLOAD Code: WL-1-UL | List Price: \$15 | Member Price: \$11



DECISION MAKING FOR OUTSOURCING AND PRIVATIZATION OF VEHICLE AND EQUIPMENT FLEET MAINTENANCE, 1ST EDITION

Item Code: EFM-1

This report presents a framework for conducting systematic analysis and making decisions on outsourcing and privatization of vehicle and equipment fleet maintenance. The framework defines a decision process model that focuses on the unique features of state department of transportation fleet maintenance and can be applied to a wide range of outsourcing decision alternatives. The process is presented as a step-by-step logic process that focuses on the unique features of state department of transportation fleet maintenance. **2012. 84 pp.**

PDF DOWNLOAD Code: EFM-1-UL | List Price: \$27 | Member Price: \$20

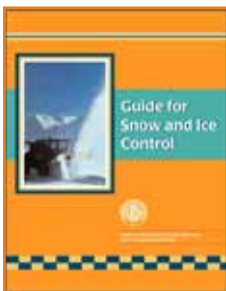


GUIDELINES FOR VEGETATION MANAGEMENT, 1ST EDITION, WITH APPENDICES

Item Code: GVM-1-M

Roadside vegetation managers worldwide face dwindling resources, increasing environmental and legal constraints, and increasing public pressure to provide safe and aesthetically pleasing roadsides. These guidelines draw on the expertise of vegetation managers to provide the basic knowledge required to establish a roadside vegetation management program. **2011. 136 pp.**

PDF DOWNLOAD Code: GVM-1-M-UL | List Price: \$45 | Member Price: \$33



GUIDE FOR SNOW AND ICE CONTROL, 1ST EDITION

Item Code: GSIC-1

This guide provides a comprehensive overview of a snow and ice control program, and describes the purpose of snow and ice control and how to achieve an appropriate level of service. It stresses the importance of involving other jurisdictions, the media, emergency management services, and the public in developing policies and practices to provide the targeted level of service. It promotes innovative organizational practices and procedures to improve operations, reduce costs, and provide a safe environment for road users. It also describes the use of weather information technologies to improve resource allocation decisions. **1999. 268 pp.**

PDF DOWNLOAD Code: GSIC-1-UL | List Price: \$38 | Member Price: \$28

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