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# Michigan's Local Technical Assistance Program

*Below is a descriptive list of resources that Michigan's LTAP has available for giveaway, for loan, or for sale. Quantities of all resources are limited and are distributed on a first-come, first-served basis. To order physical copies of a resource, please complete the order form. Resources also available online have links listed below.*

## **Giveaway Items**

### **2011 Traffic Sign Retroreflective Sheeting Identification Guide**

This laminated document is intended to help identify sign sheeting materials for rigid signs and their common specification designations. 2014 version available [online](#).  
FHWA/USDOT – 2011

### **An Introduction to the Highway Safety Manual**

The Highway Safety Manual introduces a science-based technical approach that takes the guesswork out of safety analysis. Also available [online](#).  
AASHTO – 2010

### **Anti-Icing/RWIS Training CD-ROM**

This CD-ROM contains a program developed to assist the transportation community to understand and use the information to determine which of the tools to use to provide the best approach to winter maintenance.  
AASHTO – 2008

### **Asset Management Guide for Local Agencies in Michigan**

This guide and the accompanying training course will help local officials understand and implement the principles of asset management, and understand the role of the TAMC and Michigan's asset management legislation. Also available [online](#).  
Michigan LTAP – 2007

### **At The Crossroads: Preserving Our Highway Investment**

We have written this document to stimulate serious discussion about the nation's highways, including their role, extent, how they are financed, constructed, maintained, and to explore more effective and efficient ways of achieving our transportation objectives. Also available [online](#).  
NCPD – 2007

### **Common Sense Solutions to Intersection Safety Problems LTAP Training Program CD-ROM**

The majority of serious injuries and deaths in Michigan occur on local roads. This training CD provides a basic understanding of intersection safety problems, issues and liability, and the role they play in making local intersections safer and protecting organizations from litigation. An engineering background is NOT required.  
Michigan LTAP/FHWA – 2002

### **Environmentally Sensitive Maintenance for Dirt and Gravel Roads**

A manual to provide guidance using natural systems and innovative technologies to reduce erosion, sediment and dust pollution while more effectively and efficiently maintaining dirt and gravel roads. Also available [online](#).

EPA – 2007

### **Field Manual on Sediment and Erosion Control: Best Management Practices for Contractors and Inspectors (Book & CD-ROM)**

Field Manual is just that: an extremely practical book intended to be used out on the job site. Take it with you; you'll want a copy nearby whenever you're out in the field-and that means all the time! Based on decades of firsthand, on-the-site experience, Field Manual is written specifically for both contractors and inspectors-those of you doing the work and those of you checking on it!

Forester Communications – 2002

### **Gravel - PASER Manual**

This manual is intended to assist local officials in understanding and rating the surface condition of gravel roads. Also available [online](#).

WI Transportation Information Center – 1989

### **Gravel Roads; Maintenance and Design Manual**

This manual is mainly designed for the benefit of local agency officials, managers, and grader operators who are responsible for designing and maintaining gravel surfaced roads. The information provided in this manual is as nontechnical as possible without sacrificing clear guidelines and instructions on how to perform the operation well. Also available [online](#).

FHWA/SDLTAP – 2015

### **Highway Maintenance WELDING; Techniques and Applications**

This manual was written for distribution to participants in two training courses: Highway Maintenance Welding Techniques and Applications, and Advanced Maintenance Welding Techniques and Applications. Also available [online](#).

Cornell Local Roads Program – 1995

### **Local Road Assessment and Improvement Drainage Manual**

This manual is designed to help local officials evaluate drainage conditions along rural and urban roadways. Also available [online](#).

WI Transportation Information Center – 2000

### **Maintenance of Drainage Features for Safety**

This guide is intended to help local road agency maintenance workers understand the importance of maintaining and upgrading drainage features on their road system to avoid an unsafe condition. Also available [online](#).

FHWA/USDOT – 2009

### **PASER Asphalt Roads Manual**

This manual is intended to assist local officials in understanding and rating the surface condition of asphalt pavement. It describes types of defects and provides a simple system to visually rate pavement condition. Also available [online](#).

WI Transportation Information Center – 2002

**PASER Brick & Block Manual**

This publication provides a system to evaluate and rate brick and block streets. The rating system is consistent with other PASER rating manuals and the evaluations can be used in a pavement management system or for the Wisconsin Information System for Local Roads (WISLR). Also available [online](#).

WI Transportation Information Center – 2001

**PASER Concrete Roads Manual**

This manual is intended to assist local officials in understanding and rating the surface condition of concrete pavements. It describes types and causes of distress and provides a simple system to visually rate pavement condition. Also available [online](#).

WI Transportation Information Center – 2002

**PASER Sealcoat Manual**

This manual is designed to provide background information to local officials on gravel roads with a sealcoat surface. It describes conditions and causes of distress and provides a simple procedure to rate pavement condition. Also available [online](#).

WI Transportation Information Center – 2002

**PASER Unimproved Roads Manual**

This manual is designed to provide background information to local officials on roads with earthen or unimproved surfaces. It describes conditions and distress common for these types of roads. Also available [online](#).

WI Transportation Information Center – 2001

**Pavement Preservation Toolbox CD-ROM: The Sequel**

A handy one-stop library of information on the latest technologies, concepts, and practices in pavement preservation.

FHWA/USDOT – 2007

**Roadside Revegetation: An Integrated Approach to Establishing Native Plants**

This report offers an integrated approach to facilitate the successful establishment of native plants along roadsides and other areas of disturbance associated with road modifications. It guides readers through a comprehensive process of: 1) initiating, 2) planning, 3) implementing, and 4) monitoring a roadside revegetation project with native plants. Book available [online](#), as well as an [online interactive tool](#).

FHWA – 2007

**Sign Retroreflectivity Guidebook**

These documents will help small agencies meet the new traffic sign retroreflectivity requirements while considering their limited resources. Also available [online](#).

FHWA/USDOT – 2009

**Sign Sheeting Products and Regulations: Rumors, Myths, and the Straight Facts**

This document is intended as a brief reference to dispel misinformation that has become commonplace. By its nature, it does not contain all the information that may be needed to make appropriate decisions. Also available [online](#).

FHWA/USDOT – 2008

### **United States Road Symbol Signs Poster (double-side)**

Roadway signs in the US increasingly use symbols rather than words to convey their message. Symbols provide instant communication with roadway users, overcome language barriers, and are becoming standard for traffic control devices throughout the world. Familiarity with symbols on traffic signs is important for every road user in order to maintain the safety and efficiency of our transportation facilities. Also available [online](#).

USDOT/FHWA – 2002

### **Vegetation Control for Safety: A Guide for Street and Highway Maintenance Personnel**

The purpose of this guide is to help local road agency maintenance workers identify locations where vegetation control is needed to improve traffic and pedestrian safety, to provide guidance for maintenance crews, and to make them aware of safe ways to mow, cut brush and otherwise control roadside vegetation. This document is not intended to be a design guide; if further clarification is needed, maintenance personnel should consult an engineer. Also available [online](#).

USDOT – 2008

## **Lending Library**

### **AASHTO Design-Build Procurement Guide, 1st Edition**

This guide is intended to supply state highway agencies with strategies and methods for successful design-build implementation, including the preparation of requests for qualifications (RFQ) and requests for proposals (RFP) and the selection of a qualified proposer.

AASHTO – 2008

### **AASHTO Guide for the Development of Bicycle Facilities, 4th Edition**

This guide provides information on how to accommodate bicycle travel and operations in most riding environments. It is intended to present sound guidelines that result in facilities that meet the needs of bicyclists and other highway users. 2017 errata available [online](#).

AASHTO – 2011

### **AASHTO Highway Safety Manual, 1st Edition, 3 Volumes**

The AASHTO Highway Safety Manual (HSM), published in 2010, presents a variety of methods for quantitatively estimating crash frequency or severity at a variety of locations. For the first time, a complete collection of quantitative safety analysis methods are available. 2014 supplement available [online](#).

AASHTO – 2010

### **AASHTO Roadside Design Guide, Chapter 11: Erecting Mailboxes on Streets and Highways, 4th Edition**

Chapter 11 of the AASHTO *Roadside Design Guide* deals with privately owned mailboxes, mailbox supports, and mailbox turnout designs. Highway safety is the primary reason for a transportation agency to become involved in this type of design. 2011 errata available [online](#).

AASHTO – 2011

**AASHTO Transportation Asset Management Guide: A Focus on Implementation, 1st Edition**

This guide aims to encourage transportation agencies to address strategic questions as they confront the task of managing the surface transportation system. 2013 executive summary available [online](#).

AASHTO – 2011

**Asset Management Data Collection Guide (Task Force 45 Report)**

AASHTO – 2006

**NAPA Designing HMA Mixtures with High RAP Content: A Practical Guide, 1st Edition**

This guideline is written to provide a practical means to allow up to 30 to 40 percent RAP to be used in HMA. It encompasses material selection, mix design, plant verification, and quality control. Also available [online](#).

National Asphalt Pavement Association – 2007

**Standard Specifications for Construction**

The standard specifications are the basic requirements governing the material, equipment and methods used in construction contracts administered by the Michigan Department of Transportation. Also available [online](#).

MDOT – 2012

**Transportation Research Record: Journal of the Transportation Research Board, No. 2368, Pavement Management 2013, Volume 3**

TRB's Transportation Research Record: Journal of the Transportation Research Board, No. 2368 consists of 14 pages that explore long-lasting perpetual asphalt pavements; a global sensitivity analysis of mechanistic-empirical performance predictions for flexible pavements; a framework for determining load equivalencies; mitigation of rutting in asphalt overlays of concrete pavements; top-down cracking of asphalt pavements in North Carolina; and an assessment of fatigue cracking in flexible pavements.

Transportation Research Records – 2013

**Publications for Sale**

**Inspector's Job Guide and Highway Maintenance Tables - \$4**

These guides are intended to cover the very basic duties of inspection by reference to key activities. The guides must be supplemented by reference to contract documents, specifications, special provisions, instructional manuals, and guidance by the project engineer.

Michigan LTAP – 2000