

## When is a driveway permit needed?

- If you are installing a new driveway
- If you are paving or installing concrete on an existing gravel driveway
- If you are removing a layer of asphalt or concrete and repaving with asphalt
- If you are removing a layer of asphalt or concrete and installing a new concrete driveway
- If you are widening your driveway
- If you are installing a low use (agricultural or utility) driveway
- For a temporary driveway
- If you are installing a second driveway

## When is a driveway permit not needed?

- If you are adding a layer of gravel to an existing gravel driveway
- If you are seal coating an existing asphalt driveway
- General maintenance not involving resurfacing of existing driveway

**Please note: All contractors working in the right of way must have insurance on file with the KCRC.**

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## Managing Director's Message

The Kalamazoo County Road Commission is presently very busy with road improvement activities throughout the County. Many of these local projects are collaborative efforts with our Township partners. As we review the many road improvement activities, we thought it would be a great opportunity to review our glossary of pavement coating terminology.

**Cape Seal** – A surface treatment that involves the application of micro seal to a newly constructed surface treatment or chip seal. Cape seals are used to provide a new wearable surface eliminating the infiltration of water and improving skid resistance. *2010 Example: Texas Heights Plat, Texas Township*

**Chip Seal** – A surface treatment in which asphalt emulsion is applied to a pavement and then immediately covered with a single layer of aggregate. Chip seals are used to seal the surface of an existing pavement and improve surface friction. *2010 Example: 2<sup>nd</sup> Street – Almena Drive to M-43, Oshtemo Township*

**Fog Seal** – A light application of asphalt emulsion, diluted with water and without the addition of any aggregate applied to the surface of a bituminous pavement or chip seal. Fog seals are used to renew aged asphalt surfaces. Fog seals applied to a new chip seal reduce dust and provide additional bonding of aggregate. *2009 Example: Observation Avenue – Rollridge Avenue east 670', Cooper Township*

**Slurry Seal** – A mixture of slow setting asphalt emulsion, well graded fine aggregate, mineral filler and water. It is used to fill cracks and seal surfaces of aged pavements and restore a uniform surface texture. The slurry seal treatment also aids in the prevention of moisture and air intrusion into the pavement, along with improve skid resistance.

**Micro-Seal** – A mixture of polymer modified asphalt emulsion, mineral aggregate, and other additives which are spread on a paved surface. Micro – seal differs from a slurry seal in that it can be used to correct wheel-path rutting in addition to filling cracks, sealing surfaces of aged pavements, and provide a skid-resistant surface.

*Continued on page 2*

## Staff Highlights

Travis Bartholomew, General Superintendent, together with our Area Superintendent Management team is dedicated to provide the best in public service. Your primary contact for your road related service requests are as follows;

**Jeff Daughtry** – Brady, Climax, Pavilion, Wakeshma Townships

[jdaughtry@kcrc-roads.com/381-3170](mailto:jdaughtry@kcrc-roads.com/381-3170) Extension 247

**Jim Beaudoin** – Prairie Ronde, Oshtemo, Schoolcraft, Texas Townships

[jbeaudoin@kcrc-roads.com/381-3170](mailto:jbeaudoin@kcrc-roads.com/381-3170) Extension 246

**Bill DeYoung** – Ross, Richland, Charleston, Comstock Townships

[bdeyoung@kcrc-roads.com/381-3170](mailto:bdeyoung@kcrc-roads.com/381-3170) Extension 245

**Terry Tilley** – Kalamazoo, Cooper, Alamo Townships

[ttilley@kcrc-roads.com/381-3170](mailto:ttilley@kcrc-roads.com/381-3170) Extension 244

We thank them for all their efforts and as your local road professionals; they look forward to serving you.

## Brush Control 2010

The KCRC annual summer spot spraying of roadside brush, will be conducted between early August and the first of October. The program is designed to contain roadside brush and overhanging tree branches that could obstruct motorists' vision, create drainage obstacles or cause snow and icing problems if left unchecked. A brochure on the Brush Control program is available on our KCRC website.

The operation is not a continuous broadcast, only those roadside areas where existing brush and limbs are creating safety hazards are sprayed. The KCRC applies Krenite S, a chemical approved by both the Michigan Department of Agriculture and the U.S. Environmental Protection Agency. All applications will be made by certified applicators. If you live in a platted area, your property will not be involved, but we want to share why and how the program is completed. *Unplatted and primary roads in Charleston, Comstock, Richland, Ross, and Kalamazoo Townships are scheduled for treatment this year.*

Property owners who would rather clear their own roadsides may do so. Property will not be sprayed if owners have cleared the brush and limbs, before the spraying program begins and have completed a "No Spray Application". If owners would like to be excluded from the spraying program this year, please fill out a "No Spray Application" and return it to KCRC by August 4, 2010. Applications are available at the KCRC office, KCRC website and the township office. If the vegetation has not been pruned or removed, as required by the application, we will spot spray all necessary vegetation. Owners should work to prune or remove vegetation by August 8, 2010. Brush spray exception signs will be delivered a few days before the crews are scheduled to be in the area.

*Continued from page 1*

**Crack Seal** – A procedure that involves placement of specialized material into working cracks to prevent the infiltration of water and other matter into the cracks and into underlying pavement layers and road base. *2010 Example: Oakland Drive – VW Avenue to 5,350' north of U Avenue, Schoolcraft Township*

**Hot Mix Asphalt (HMA) Overlay** – A HMA overlay, generally 2 ½ inch in thickness. *2010 Example: F Avenue – N Sprinkle Road to 2,500' east, Richland Township*

**Thin Overlay** – A HMA overlay with one lift of surface course generally with a thickness of 1.5 inches or less.

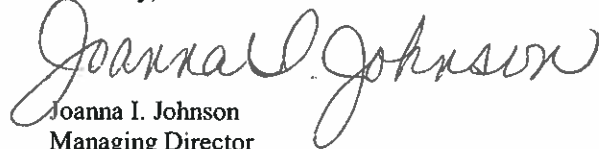
**Ultra Thin Overlay** – A HMA overlay, generally less than 1 inch in thickness.

**HMA Wedge** – A HMA repair patch placed by a paving machine that varies in depth and length. *2010 Example: Fernwood Drive – M-89 to Trillium Drive, Ross Township*

As your local road professionals we work with our industry partners to determine the right fix at the right time. Especially, with our decreasing revenue and increasing costs; we must optimize our road improvements; seek the best options, at the best cost and using the best technology.

We appreciate the confidence and trust you have placed in us to ensure our infrastructure is preserved for the future.

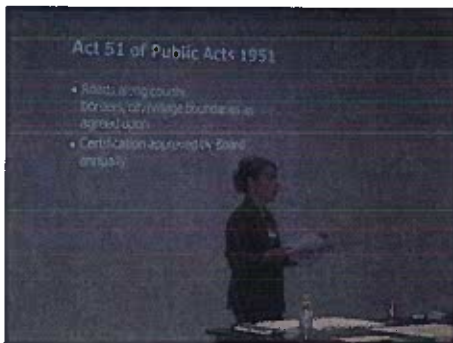
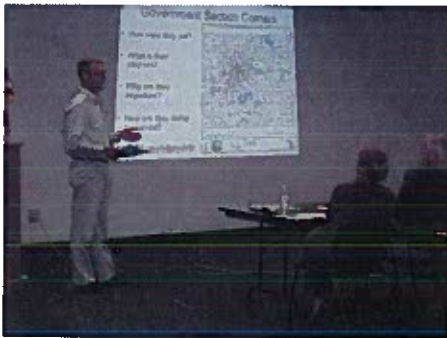
Sincerely,



Joanna I. Johnson  
Managing Director

## **Building of the Kalamazoo County Map – A Historical & Educational View**

The Building of the Kalamazoo County Map workshop was held on June 16<sup>th</sup>. Local and elected officials were presented with both a historical and educational view of information, as well as provided a few fun facts, about our County and the road map we use today. Many thanks to those who attended and our special thanks to the presenters; Thomas A. Dietz, Curator of Research Kalamazoo Valley Museum; Timothy A. Snow, CMC; County Clerk & Register of Deeds: Lotta Jarnefelt, Director; County Planning & Community Development: Gary D. Hahn; County Surveyor and Joanna I. Johnson, Managing Director; Kalamazoo County Road Commission.



## **2009 Centennial Annual Report**

Our 2009 Centennial Annual Report is available and can be reviewed at

[www.kalamazoo-countyroads.com/Publications](http://www.kalamazoo-countyroads.com/Publications).

The annual report highlights the various projects and work completed by the KCRC over the year. This is a very special report as it celebrates our 100<sup>th</sup> year in public service.

## **Educational Opportunities at KCRC:**

To provide educational opportunities for local officials we have planned the following presentations at KCRC at NO COST in 2010.

### ***Introduction to Transportation Asset Management – A Workshop for Elected Officials***

**September 15<sup>th</sup> 9:00 am – 12:00 noon**

Please see insert for registration information.

## **2010 Board of County Road Commissioners of Kalamazoo County**

To better serve our County and local officials, each Road Commissioner has also been assigned as a liaison to various townships we serve as follows:

**Kent L. McCauley – Chairman;** Brady, Climax, Pavilion  
**Kenneth R. Oscarson - Vice Chairman;** Kalamazoo,  
Prairie Ronde, Wakeshma  
**Jeffrie M. Maddox –**Comstock, Cooper, Ross  
**Dennis J. Berkebile –**Charleston, Schoolcraft, Texas  
**Daniel J. Moyle –**Alamo, Oshtemo, Richland

We are committed to providing a safe and convenient road system for our county motorists. As our customers and as residents of Kalamazoo County you are also entitled to excellent service from us at all times.

We aim to provide answers to your service requests. We encourage our residents and the motoring public to report road conditions that need attention. To make sure our service to you is prompt and courteous we strive to continually improve our methods of contact.

Office hours are 7:30am – 4pm, Monday through Friday, 269-381-3171 or call 911 for emergencies.

Our services on the web can be found at [www.kalamazoo-countyroads.com](http://www.kalamazoo-countyroads.com) and are designed to keep you updated on the news and information from our agency. You can contact us via email at [info@krcr-roads.com](mailto:info@krcr-roads.com).

Kalamazoo County Road Commission  
3801 East Kilgore Road  
Kalamzoo, MI 49001

# Introduction to **Transportation Asset Management**



## *A Workshop for Elected Officials*

**Wednesday, September 15, 2010**

**Kalamazoo County Road Commission**



Center for  
**Technology & Training**  
Michigan Tech Transportation Institute



# Introduction to Transportation Asset Management

## A Workshop for Elected Officials

### Who Should Attend?

This workshop was designed specifically with city, county and township elected officials in mind. All local elected officials who have an interest in transportation projects or facilities should attend. No engineering background is required.

### Overview of Training

What is asset management and how does it apply to roads? On a regular basis we apply the basic principles of asset management to our every day lives to manage decisions relating to our homes, automobiles and other personal possessions. Businesses use asset management to guide business decisions. So why don't we manage roads this way? This workshop will give participants an overview of asset management principles as they apply to transportation. Instructors will discuss the need for asset management and how it can guide decision makers down the path to a better roadway system. Instructors will also spend time explaining preventative maintenance treatments which are commonly used on asphalt pavements.

### Agenda

9:00 AM	Registration
9:30 AM	Introductions/Session Begins
10:00 AM	What is Asset Management?
10:30 AM	Pavement Condition Rating
11:00 AM	Pavement Management Systems - What do they do?
11:30 AM	Asphalt Pavement Fixes
12:00 PM	Adjourn

### Cost

The Michigan Transportation Asset Management Council (TAMC) and the Kalamazoo CRC are covering the registration costs for this training session. There is no cost to participants. Refreshments will be provided.

### Registration

Registration is on a first come first serve basis. To register, call the Center for Technology & Training at (906) 487-2102 or email [ctt@mtu.edu](mailto:ctt@mtu.edu). Space for each session is limited; please register early.

### Location

The workshop will be held at the Kalamazoo CRC which is located at 3801 E. Kilgore Rd., Kalamazoo, MI. A map to the site is included below.



### Instructors

Tim Colling, PE, is the Assistant Director of the Michigan Local Technical Assistance Program center. He is a registered professional engineer in Michigan and Wisconsin. Prior to joining LTAP in 2002, Mr. Colling worked as a Civil Engineering consultant in Michigan for 10 years. Mr. Colling teaches classes in pavement condition rating, traffic safety as well as classes on using RoadSoft GIS to manage roadway assets.

John Kiefer, PE, is a Research Engineer at the Michigan Local Technical Assistance Program center at Michigan Tech University in Houghton, Michigan. He is a registered professional engineer in Michigan and has been involved designing and constructing civil engineering projects for over 8 years.

### Sponsors

