

**From:** [Nordholm, Gail \[DOT\]](#)  
**To:** [Nordholm, Gail \[DOT\]](#)  
**Subject:** Pavement Management Systems for Local Governments  
**Date:** Thursday, April 22, 2010 1:15:00 PM

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**TO:** County Engineers and City Representatives

**CC:** District Local Systems Engineers, Service Bureau  
and Office of Local Systems

**FROM:** Office of Local Systems

**SUBJECT:** Pavement Management systems for Local Governments

**DATE:** April 22, 2010

The following is being sent on behalf of Inya Nlenanya with CTRE. If you have any questions, **please do not reply to this note**. Instead, you may contact the person shown below.

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Below are links for the 2010 Iowa Pavement Management Program update and request for services. If you have any questions concerning the IPMP, please contact Inya Nlenanya with Iowa State University's Center for Transportation Research and Education (CTRE) at 515-294-2373.

Update and Request for Service:

[http://www.iowadot.gov/local\\_systems/mailing/2010/april/ipmp\\_update\\_2010.pdf](http://www.iowadot.gov/local_systems/mailing/2010/april/ipmp_update_2010.pdf)

Additional Data Collection:

[http://www.iowadot.gov/local\\_systems/mailing/2010/april/ipmp\\_distributed.pdf](http://www.iowadot.gov/local_systems/mailing/2010/april/ipmp_distributed.pdf)

Information on the program can also be found through the CTRE web site at:

<http://www.ctre.iastate.edu/ipmp>

Sincerely,

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Some of the documents referenced above are in Adobe Acrobat's Portable Document Format (PDF). If you do not have the Adobe Acrobat Reader software, you can download it free of charge at:  
<http://www.adobe.com/products/acrobat/readstep.html>.

Mailings are available at the Office of Local Systems Weekly Mailings web page at: [http://www.iowadot.gov/local\\_systems/mailing/main\\_mailing.htm](http://www.iowadot.gov/local_systems/mailing/main_mailing.htm)

# IOWA PAVEMENT MANAGEMENT PROGRAM

## Update and Request for Services

The Iowa Pavement Management Program (IPMP) provides information and tools that assists state and local transportation agencies in making decisions about spending roadway maintenance and construction funds. The IPMP has been in implementation and operation since 1999 having already completed the major research tasks (GIS database development, distress data collection, pavement management software selection, and distress data delivery). IPMP continues to provide training workshops on GIS tools and dTIMS pavement management software.

The following sections provide an overview of current work and future plans for the IPMP.

### Distress Data Collection – 2010

The IPMP distress data collection is based on a two-year cycle. By the end of 2009, seven full cycles of distress data collection were completed for the federal aid eligible roadways throughout the state. The Iowa DOT funded data collection for the counties' non-federal aid paved roads from 2002 through 2005, so counties currently interested in collecting their non-FAE roads need to contract with CTRE for these services.

Starting in 2006, distress data collection was funded for federal aid eligible roadways in specific portions of Iowa only. The decision to participate in the data collection effort was left to individual MPOs and RPAs. All MPOs and RPAs participating in the program for the 2010 are shown in Figure 1.

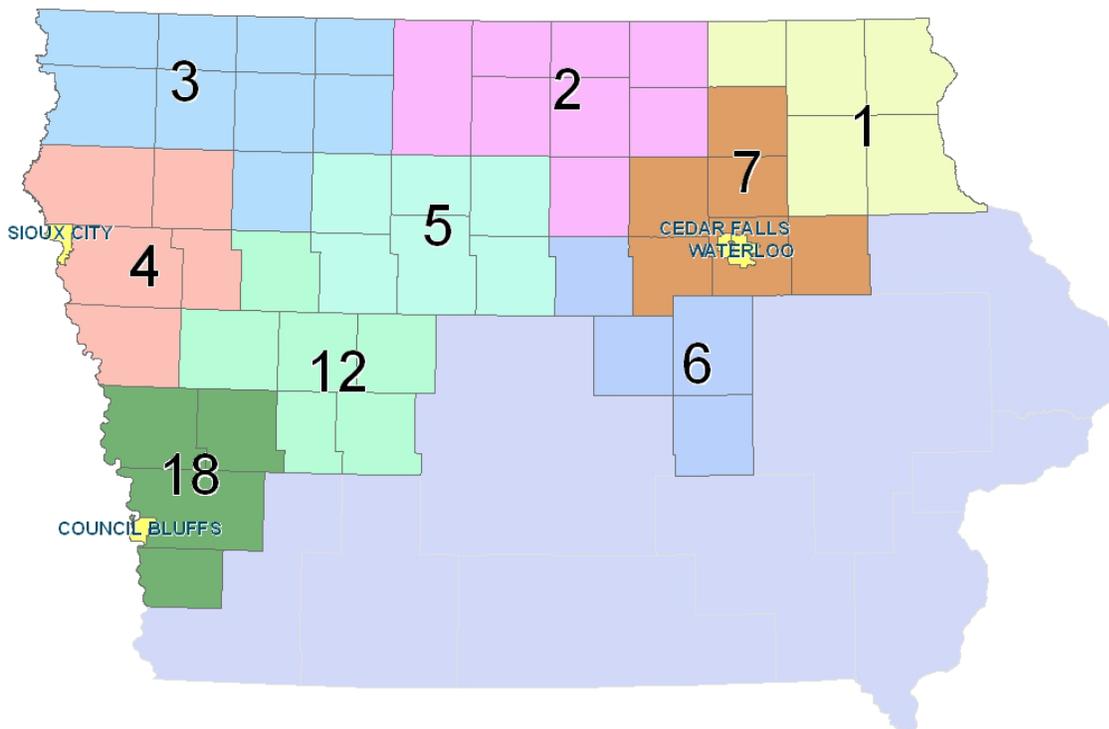


Figure 1. 2010 IPMP Data Collection

The 2010 data collection will include all federal aid eligible roadways in the following areas:

- RPA 7 (all cities and counties, including the Waterloo and Cedar Falls MPO)
- RPA 18 (all cities and counties, including the Council Bluffs MPO)
- Sioux City MPO
- The rest will have ONLY the State system collected

Since 1999, local agencies already participating in the IPMP distress data collection program have been given the option of adding the rest of their paved miles (non-federal aid eligible) to the data collection effort at an extra cost. The IPMP was able to negotiate with the vendor to give cities and counties collecting the extra miles the same cost advantages as those received for the entire state system. More than sixty (80) local agencies have had distress data collected so far.

Any city or county can request collection of distress data for 2010 on roadways not already funded. This would apply to:

- Cities or counties included in the participating regions who would also like their non-federal aid eligible roadways collected.
- Cities or counties no longer in a participating region who would like all or a portion of their federal aid eligible and/or non-federal aid eligible roadways collected.

If it is unclear whether your agency is already included in the 2010 distress data collection cycle, please contact CTRE for clarification.

For more information about this program, please complete the attached form and mail or fax it to CTRE before May 15, 2010. The service request form for additional information can be accessed through the IPMP web site at:

[http://www.ctre.iastate.edu/ipmp/ipmp\\_distributed.pdf](http://www.ctre.iastate.edu/ipmp/ipmp_distributed.pdf)

Counties and cities also have the option of receiving videolog data, as discussed in the next section.

## **Video log**

Working with the data collection vendor, CTRE is continuing to make video logging capabilities available to local agencies. Videolog of the right-of-way (one view or multiple views) and pavement images for the roads where distress data are being collected can be contracted for.

**Visidata:** Through the VISIDATA software, video and data are integrated into a single desktop application with features such as location based video playback, SQL capability, and multiple camera images. VISIDATA provides the ideal vehicle for driving your network without leaving your office. This will provide transportation agencies with continuous coverage (approximately 300 images per mile) of their highway network integrated with the condition data.

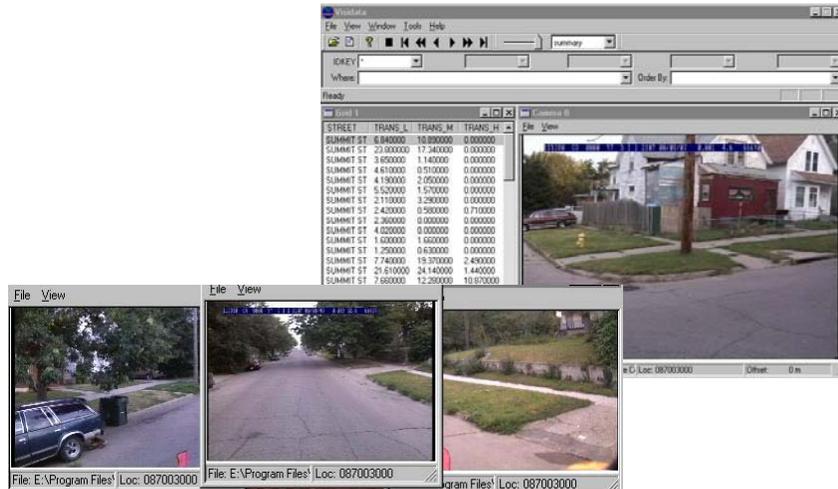


Figure 2. VISIDATA: One or Multiple Right-of-Way Views

## Training

Training workshops covering the pavement management software and the IPMP GIS tools were conducted in previous years. Other training sessions will be planned for 2010 as requested. Locations of workshops will vary depending on the level of interest. If training is requested by sufficient numbers to merit a workshop, information on these workshops will be sent out via the Iowa DOT weekly mail and our web site.

## IPMP Web Site

The IPMP project web site contains information about the IPMP tasks, distress data collection, a training workshop schedule, a frequently asked questions (FAQ) section, a request for information section, and other related information. The IPMP project web site address is <http://www.ctre.iastate.edu/ipmp>.