

**From:** [Nordholm, Gail \[DOT\]](#)  
**To:** [Nordholm, Gail \[DOT\]](#)  
**Subject:** Pavement Management Systems for Local Governments  
**Date:** Monday, February 28, 2011 1:28:00 PM

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**TO:** County Engineers and City Representatives

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

**FROM:** Office of Local Systems

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

**DATE:** February 28, 2011

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 2011 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/2011/february/2011\\_ipmp\\_update.pdf](http://www.iowadot.gov/local_systems/mailing/2011/february/2011_ipmp_update.pdf)

Additional Data Collection:

[http://www.iowadot.gov/local\\_systems/mailing/2011/february/ipmp\\_distributed.pdf](http://www.iowadot.gov/local_systems/mailing/2011/february/ipmp_distributed.pdf)

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

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

Sincerely,

Inya Nlenanya, B.ENG

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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 rehabilitation funds. The IPMP has been in operation since 1999. The IPMP was developed in a geographic information system (GIS) environment to facilitate data integration and to support easier access and use of information. In addition, the IPMP provides training workshops on dTIMS pavement management software and GIS tools for pavement management purposes.

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

### Distress Data Collection – 2011

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.

Last year, the Iowa DOT issued an RFP for data collection services and no data were collected in the state. As a result of that, this year, all the federal-aid eligible roads (state, MPOs and RPAs participating in the IPMP) will be collected. The map in Figure 1 shows the MPOs and RPAs that have agreed to participate in the IPMP for the 2010-2011 data collection cycle to have their FAE roads collected. Local agencies in the state have the option of adding their paved miles (federal non-federal aid eligible) to the data collection effort at an extra cost. More than eighty-five (85) local agencies in the past have utilized this option.

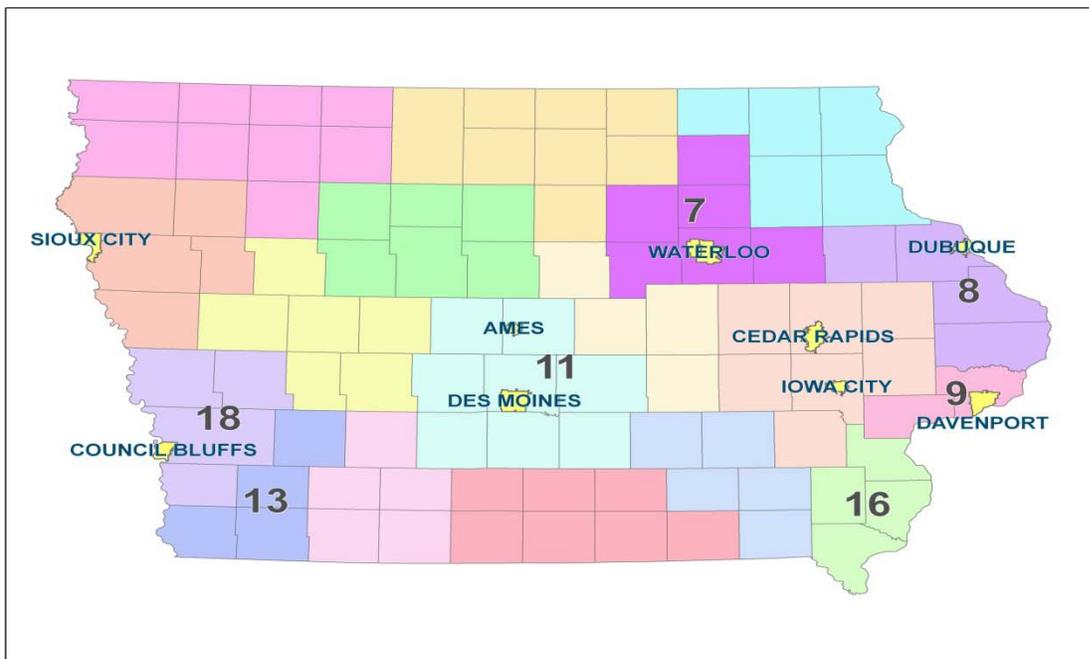


Figure 1. 2011 IPMP Data Collection

The 2011 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 8 (all cities and counties, including the Dubuque MPO)
- RPA 9 (all cities and counties, including the Davenport MPO)
- RPA 11 (all cities and counties, including the Ames and Des Moines MPOs)
- RPA 13 (all cities and counties)
- RPA 16 (all cities and counties)
- RPA 18 (all cities and counties, including the Council Bluffs MPO)
- Cedar Rapids MPO (cities of Cedar Rapids, Marion, Hiawatha, Robins, and Fairfax)
- Iowa City MPO (cities of Iowa City, Coralville, North Liberty, Tiffin, and University Heights)
- Sioux City MPO
- The rest will have ONLY the State system collected

Any city or county can request collection of distress data for 2011 on roadways not already included in the IPMP. 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 roadways collected.

If it is unclear whether your agency is already included in the 2011 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 **March 18<sup>th</sup>, 2011**. 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. Video log of the right-of-way (High Definition-HD format) and pavement images for the roads where distress data are being collected can be contracted for.

**Visidata:** Through the VISIDATA software, video and distress 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 200 images per mile) of their highway network integrated with the condition data.

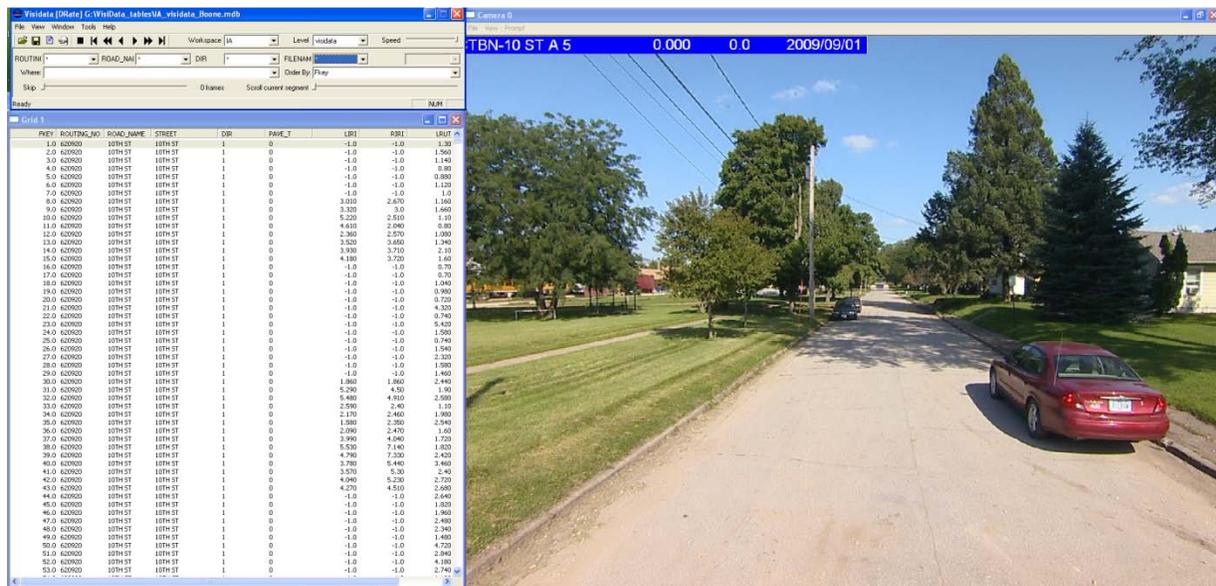


Figure 2. VISDATA: One or Multiple Right-of-Way Views

## dTIMS Update and Training

Training workshops covering the pavement management software and the IPMP GIS tools were conducted in previous years. Starting in June, CTRE will assist local agencies who are interested in upgrading their dTIMS software to the new dTIMS CT version 8. Other training sessions will be planned for 2011 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>.

For questions on the IPMP please contact:

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