



# Roadway Maintenance Services

## GIS Services

May 2007

### *Technology offers convenient access to project and asset information*

3M™ Roadway Maintenance Services offers a variety of GIS-based data and inventory management systems in conjunction with pavement marking and traffic sign installations. Options include efficient field data collection, durable sign tagging materials, GIS applications development, Internet access to critical project and asset information, data hosting and on-site training. Asset information can include asset type, installation date, location, quantity, performance level and digital photo. Agencies benefit from:

- Real-time project tracking without the need to travel to work sites
- Secure internet access to downloadable data in geospatial format for planning and analysis
- Sophisticated data capabilities without the need to support complex in-house systems
- Low cost efficient procedures for building and maintaining asset inventories

### *State and Municipal Agency Experiences*

The City of Lincoln, Nebraska had long been contracting for durable pavement marking installations, but lacked an electronic inventory system for convenient planning. 3M changed all that in 2005 with an internet-based GIS application that displays key information for intersections marked under contract that year. For the Missouri Department of Transportation, the issue was how to track installations at over 200 project sites across the state. Here again, 3M provided easy access to updated project and performance information with no added burden on agency staff.

“The web page with GIS maps provides quick reference to project status and performance. It is used as a management tool by Central Office and district personnel. It helps to keep us all, MoDOT and 3M, on the same page. What makes it even better, 3M takes care of all the data management.”

- Pat McDaniel, Technical Support Engineer,  
Missouri Department of Transportation

“I really like how they put all the markings on a map on their website. It will make future planning a lot easier for regular maintenance and resurfacing. I just select the sites I want from the map, and get instant access to inventory numbers, marking's age and location.”

- Al Lee, City of Lincoln, Nebraska





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