



DATA BANK MANAGEMENT CONSULTANT FOR THE ILLINOIS HIGHWAY INFORMATION SYSTEM (IHIS) - *ARCHIVED PLANS RESEARCH*

CLIENT:

Illinois Department of Transportation

CONTACT:

Jean Totten
Transportation Data Bank Manager
847-705-4565

CONTRACT:

Illinois Department of Transportation

PROJECT PURPOSE:

- Conduct Field Collection of Roadways, Structures, Signals, and Other Conditions
- Update and Verify Data in the Illinois Highway Information System (IHIS)
- Assess and Submit Functional Classification Changes to District 1 Roadways
- Develop Methodologies to Evaluate, Prioritize, and Select Pavement Projects
- Identify Candidates for New Types of Materials and Construction Materials
- Identify, Acquire, and Interpret Archived Roadway Plans

DAMA Consultants, Inc., is the Prime Consultant for IDOT Roadway Data Bank Management Consultant (DBMC) - Illinois Highway Information System (IHIS) at IDOT District 1.

DAMA is responsible for coordinating field collection of roadway conditions between IDOT staff, DAMA professional and technical staff, QA/QC of field collection results, and recording results in a format that is usable by IDOT applications and databases. The project tasks require DAMA staff to evaluate and interpret roadway conditions, signage and traffic control signals, structures, pavement materials, route and corridor changes, jurisdictional changes, and other changes and to identify how those changes affect existing roadway records and existing systems. DAMA evaluated roadways using video capture and LiDAR pavement condition sensing data to identify different fault conditions and calculate overall condition rating survey (CRS) scores.

DAMA identified roadway segments with incomplete construction records and requested, scanned, and interpreted archived plans—some dating from the 1950s and earlier. DAMA reviewed hand-drawn plans from microfiche and microfilm archives and identified pavement surface materials, reinforcement bars, sub-base conditions, and original alignments and cross-sections. Some of the archived plans specified brick pavements, former large land owners, and railroads and other infrastructure that no longer exists.

