



MMS AASHTOWare Project Contract Management Software/AASHTOWare Project Materials

Research Objectives

- Facilitate the implementation of the AASHTOWare Project Construction and Materials management system.

Research Benefits

- Collect necessary construction materials reference data.
- Create framework for database in AASHTOWare Materials.

***“This project helped WisDOT begin implementation of AASHTOWare Material tools for Wisconsin DOT”
–Myungook Kang,
WisDOT***

**Interested in finding out more?
Visit:
[WisDOT Research website](#)**

WisDOT Project Contact

Myungook (MK) Kang
Quality Assurance Supervisor
myungook.kang@dot.wi.gov

Background

WisDOT is in the process of implementing a new program for collecting construction materials data called AASHTOWare Project Materials (AWP Materials). AWP Materials will replace the current materials data collection and reporting systems: Material Reporting System (MRS), Materials Information Tracking (MIT), Materials Tracking System (MTS), and Highway Quality Management System (HQMS). Implementation will allow WisDOT to create a large relational database, streamline data entry, and create customized reports. WisDOT hired a construction materials expert to help WisDOT begin collecting the background data required by the AWP Materials system.

Methodology

This research project allowed WisDOT to hire one consultant to conduct an initial assessment of WisDOT’s QA program. The hired consultant had a strong background knowledge of construction practices, specifications, and reporting requirements for WisDOT projects. The consultant collected engineering documentation and material specification information required to establish the database to initiate the implementation of AWP Materials for WisDOT.

Results

This project successfully initiated implementation of AASHTOWare Project Materials by creating an excel file with reference data from WisDOT engineering and specification documentation. Reference data was used to create the initial framework for the AWP Materials database. The excel spreadsheet was submitted to the AWP Material’s development team to configure the program to WisDOT’s needs.

Recommendations for implementation

AWP Materials reference data needs to be updated regularly to reflect the latest versions of WisDOT construction specifications and manuals. This process requires a continuous investment of time for data management tasks with the system. The initial implementation assessment supports the need for consultant assistance to properly implement AASHTOWare Project Materials.