2025 AASHTOWare Project
&
Field Technology Updates

David Castleberg, P.E.

Design & Construction Automation Supervisor

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Overview of AASHTOWare Project at WisDOT

2023 Asphalt Paving winner - US 63, St. Croix County Line to County J, Polk County

AASHTOWare™

PROJECT

AASHTOWare™
PROJECT
PRECONSTRUCTION

AASHTOWare™
PROJECT
BIDS

AASHTOWare™
PROJECT
DATA ANALYTICS

AASHTOWare™
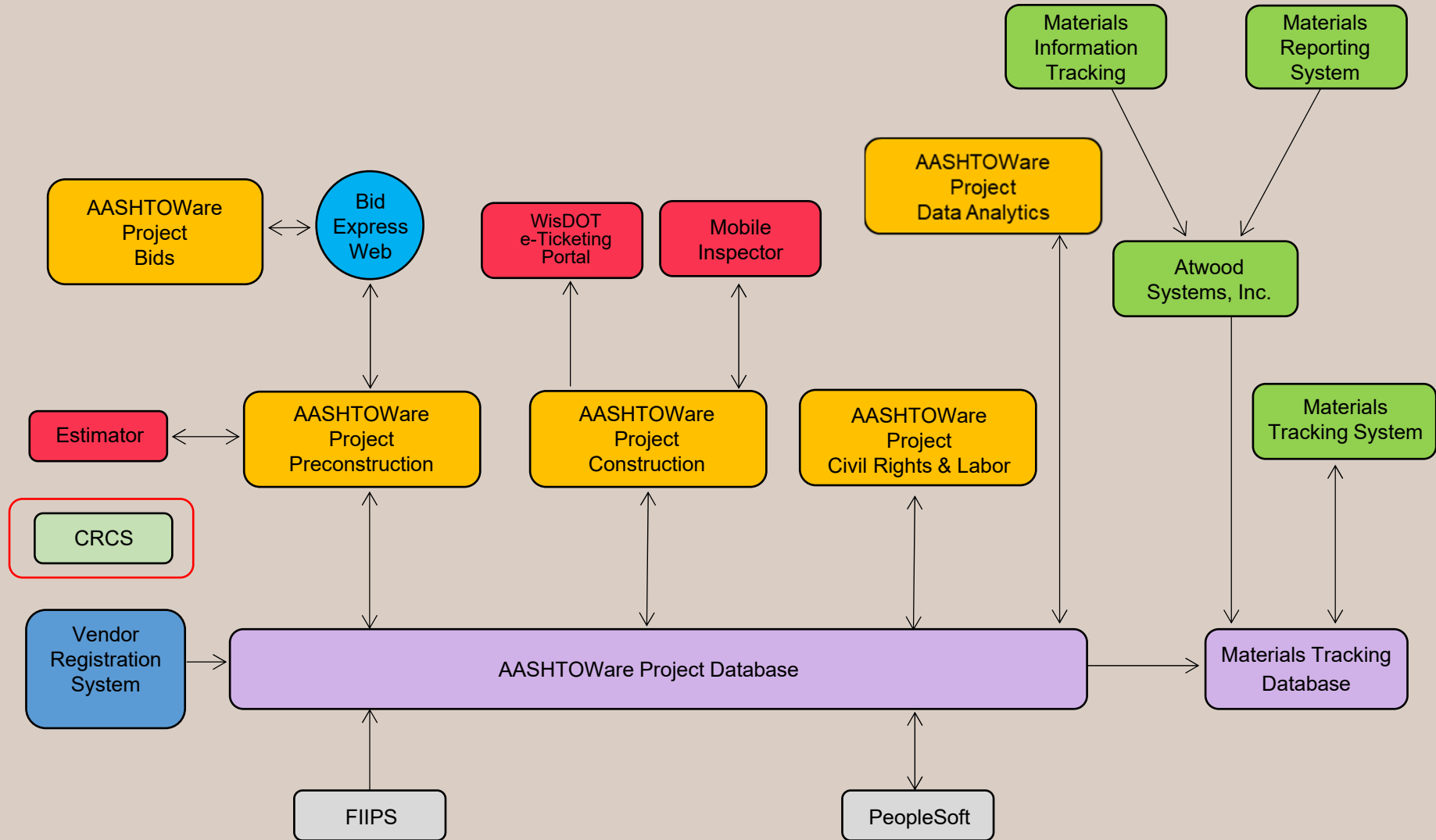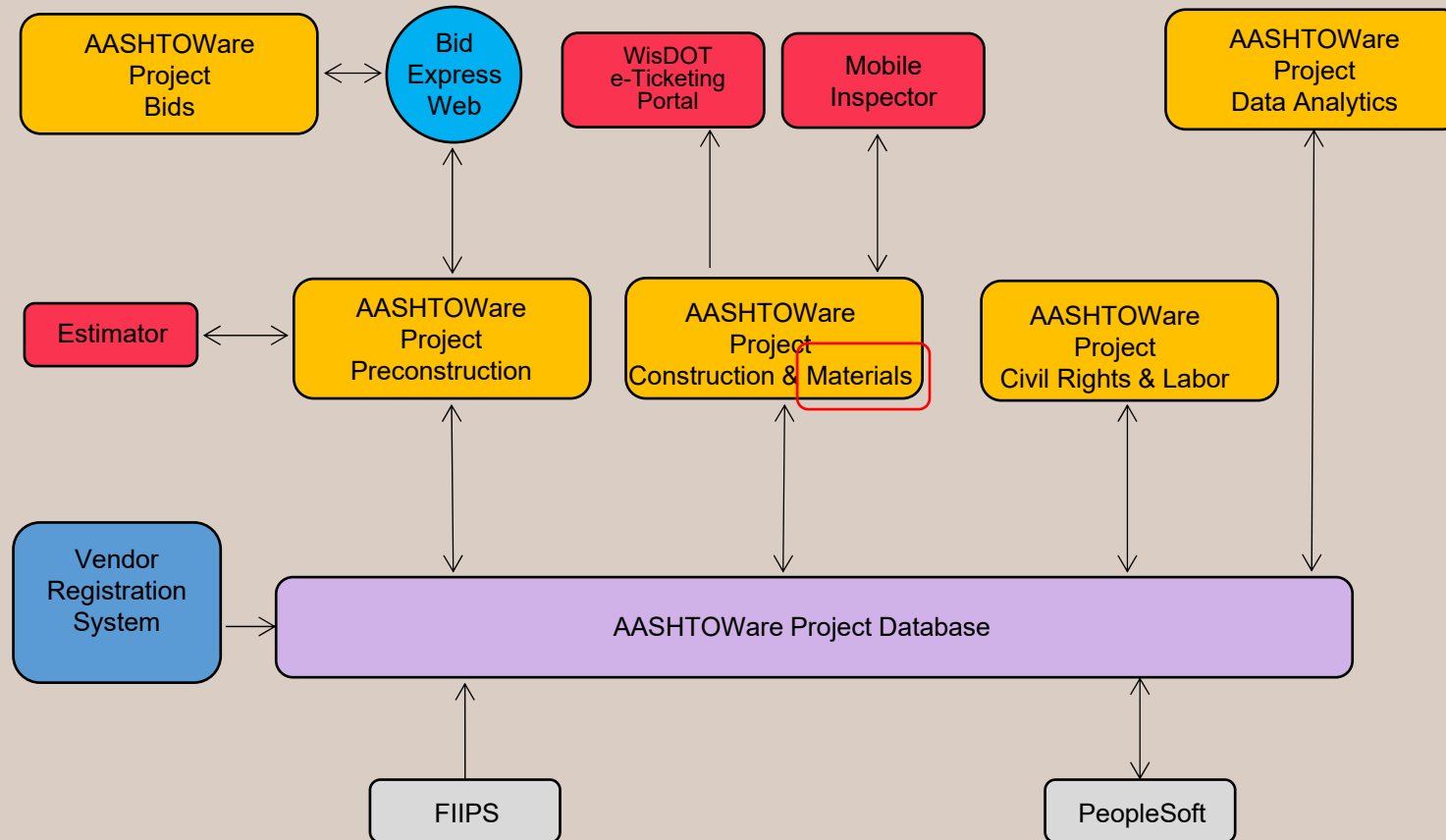**PROJECT**
CONSTRUCTION & MATERIALS

AASHTOWare™
PROJECT
CIVIL RIGHTS & LABOR

WisDOT Contract Management System – Current

WisDOT Contract Management System – Future

AASHTOWare Project Bids

Bid Express Web

WisDOT e-Ticketing Portal

Mobile Inspector

AASHTOWare Project Data Analytics

Estimator

AASHTOWare Project Preconstruction

AASHTOWare Project Construction & Materials

AASHTOWare Project Civil Rights & Labor

Vendor Registration System

AASHTOWare Project Database

FIIPS

PeopleSoft

AASHTOWare Project (AWP) versions

- Upgraded to AWP 5.02 the Fall of 2024.
- Upgrading to AWP 5.03 the Spring of 2025.
- AWP will be unavailable for all users during upgrades.
  - Typically, down after business hours Thursday evening through Friday afternoon.

AASHTOWare Project (AWP) module updates

- AWP Preconstruction
  - In production since 2017.
  - No significant changes with recent releases.
  - See AWPKB Summary of changes.
- AWP Construction
  - In production since 2020.
  - Component and report customizations completed as needed.
  - See AWPKB Summary of changes.

AASHTOWare Project (AWP) module updates

- AWP Civil Rights & Labor (CRL)
  - AWP CRL is used to manage DBE, labor compliance, payrolls, prompt payment, and trucking.
    - DBE, labor compliance – in production.
    - Payrolls for contracts awarded with the January 2025 letting will be entered in AWP Civil Rights & Labor Payrolls.
    - Prompt payment - 2025
    - Trucking – future rollout
  - The Civil Rights Compliance System (CRCS) will be phased out as contracts awarded prior to January 2025 are completed and closed.

AASHTOWare Project (AWP) module updates

- AWP Materials
  - Tracking of material testing requirements for all contract items.
  - The following applications will be phased out.
    - Materials Information Tracking System (MIT)
    - Materials Tracking System (MTS)
    - Materials Reporting System (MRS)
  - Expect changes to the Materials Specifications and CMM.
  - Possible contract administration procedural changes in the future.
  - Potential pilots in 2025.

AASHTOWare Project (AWP) accounts

- AWP users MUST have a WAMS ID
- Request a new account
  https://wi.accessgov.com/wisdot/Forms/Page/dtsdexternal/wisdotaashtowareprojectnewaccount/
- Modify an existing account (modify account details or renew account)
  https://wi.accessgov.com/wisdot/Forms/Page/dtsdexternal/wisdotaashtowareprojectaccountmod/
- AWP account roles
  - Preconstruction – Designer role
  - Construction – Contract Specialist, Contractors, Inspector, Project Engineer, Project Manager, Supervisor, Chief, FHWA, Compliance Specialist, etc.
  - Payrolls – Payroll role
- AWP accounts expire in 2 years.

Field technology updates

2023 Concrete Paving winner - Blair St/E Washington Ave, E Wilson St to Blount St, Dane County

Field technology updates

- Mobile Inspector
  - Updated each time AASHTOWare Project is upgraded (spring and fall).
  - See AWPKB Summary of changes.
- e-Ticketing (AWP/HaulHub WisDOT Portal)
  - 2025 - For use on selected HMA and PCC contracts.
  - 2026 - Mandatory for all projects with exceptions.
- Trimble Mobile Measure
  - Trimble/Mobile Measure > Mobile Inspector > AWP Construction
  - Device options – TSC7, T100, T10x

Mobile Inspector®

- Developed by Infotech Inc.

- Progressive Web App for mobile devices.

- Field staff use the app to create DWRs.

- Locked DWRs are synced and uploaded to AWP Construction.

- Photo attachments are supported.

- Works with Trimble Mobile Measure.

- Refer to the AWPKB for installation and user instructions.
 https://awpkb.dot.wi.gov/Content/constr/LETContract/ContractProgress/MobileInspector.htm
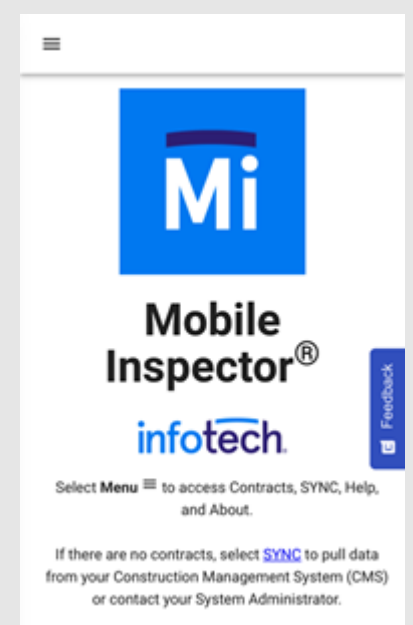
e-Ticketing using AWP and HaulHub

- HaulHub's WisDOT Portal is used to streamline e-Ticketing process for any asphalt, ready-mix or aggregate producer in the state.
  - The process works regardless of the ticketing solution used at the plant or job site.
  - Free for contractors and subcontractors.
- HaulHub's WisDOT Portal interfaces with AWP Construction.
  - Eliminate the need for inspectors to collect physical tickets on job sites.
  - Eliminate the need for field staff to manually enter ticket data into AASHTOWare Project or other systems.

HaulHub's WisDOT Portal
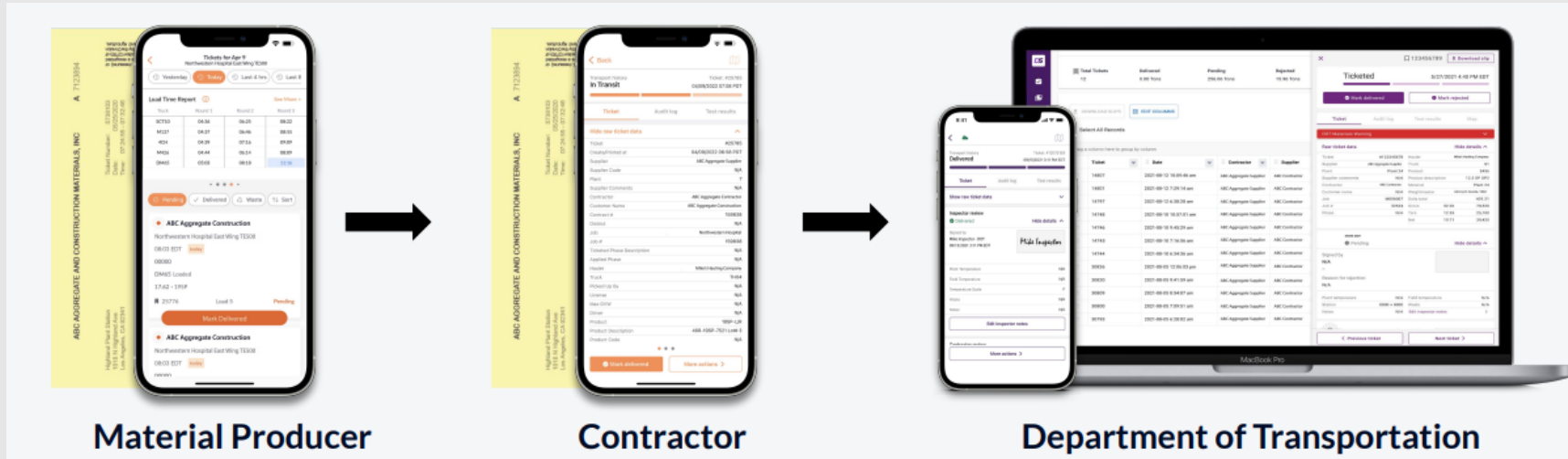
Vendor
eTicketing Software

HaulHub WisDOT
Portal

2025 Standard Specifications

- 109.1.4.3 Electronic Load Tickets
  https://wisconsindot.gov/rdwy/stndspec/ss-01-09.pdf

  - (1) Electronic load tickets may be provided as a substitute for printed tickets. Include the information as specified in 109.1.4.2 on each electronic ticket.

  - (2) Automatically generate electronic tickets using a system that is fully integrated with the load-out scale system being used to weigh the material. Ensure data input cannot be altered and provide offline capabilities to prevent data loss.

  - (3) Provide electronic tickets in real-time by allowing the department access to the tickets utilizing a webbased or app-based system compatible with iOS and Android.

  - (4) Provide the capability to record information and comments on each ticket.

  - (5) For each project ID and bid item, submit an electronic daily summary of the individual tickets daily as work is completed. In the daily summary, include the unique information for each individual load ticket. Provide the daily summary data in an importable format, such as comma separated values (.csv).

Trimble Access Mobile Measure

- Developed by Trimble.

- Integrates with Infotech Mobile Inspector.
  - Loaded on the Trimble Data Collector

- Both Infotech Mobile Inspector and Trimble Access Mobile Inspector Mobile Measure Service (MIMMS) operate on a mobile device.
  - MIIMS captures and digitally maps location and asset data.
  - MIIMS syncs with Infotech Mobile Inspector.
  - Location data appears on the Infotech Mobile Inspector DWR.
  - Locked DWRs are synced and uploaded to AWP Construction.

What are the results two years into the successful integration ?

Trimble®Access™   Infotech® Mobile Inspector®   AASHTOWare Project™

DESIGN

Detailed Design   Design Quantities

Trimble Measurement App   Construction Management System

Item(s) to measure & item type(s)   Quantity & Location   Quantity & Location   Tasks & Pay Items

Trimble Intent Service   infotech Mobile Inspector®

Quantity & Location

Item(s) to measure & item type(s)
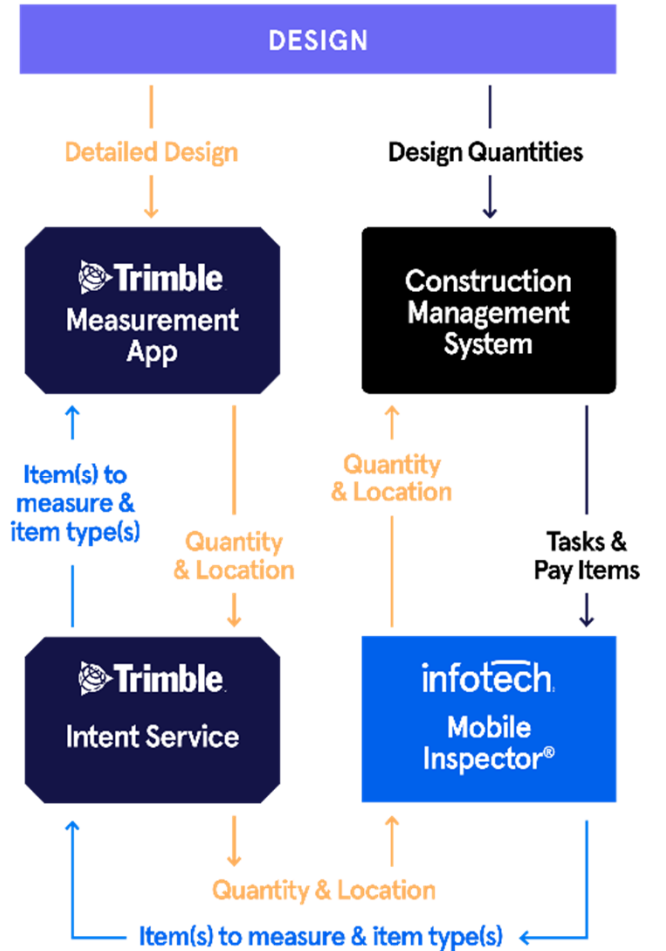
The Solution

Construction resources

2023 Grading winner - WIS 15, County JJ to Lily of the Valley Dr, Outagamie County

Construction resources

- Links to Construction Resources
  - Roadway Standards website
    https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/rdwy/default.aspx
  - AASHTOWare Project Knowledge Base | External Resources page
    https://awpkb.dot.wi.gov/Content/Default.htm
- Resource list
  - Facilities Development Manual (FDM)
  - Construction & Materials Manual (CMM)
  - Standard Spec
  - Standard Detail Drawings

Roadway Standards Website

http://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/rdwy/default.aspx

Roadway Standards Website

AASHTOWare Project Knowledge Base (AWPKB)

- AASHTOWare Project Knowledge Base (AWPKB)
  https://awpkb.dot.wi.gov/Content/Default.htm
- Documentation
  - Preconstruction, Construction, CRL and Vendor Registration System (VRS).
  - Detailed step by step documentation with images, training videos
  - Refer to Summary of changes under each module for recent updates.
- Pantry
  - Statewide forms
  - Statewide manuals and guides
  - Statewide spreadsheets

Have a great construction season!

David Castleberg, P.E.

Design & Construction Automation   Supervisor

david.castleberg@dot.wi.gov

(608) 264-7606