AASHTOWare Project™ Software Update

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Ohio Department of Transportation (ODOT)
Introduction

Janet Treadway

- AASHTOWare Project Business Administrator
  - Manages AASHTOWare Project
  - Division of Construction Management
  - Division of Opportunity, Diversity & Inclusion

- 17 years at ODOT
  - Background in Highway Management, Construction

- AASHTOWare Project Task Force - 3.5 yrs.
  - Currently serving as Vice Chair
What is AASHTOWare Project?

- Powerful enterprise-wide software suite
- Manages entire contract and construction lifecycle
- Designed by transportation professionals for transportation professionals
- Web-based software with external access options
- Mobile Apps
- Cloud hosting availability
- 30+ years in production
AASHTOWare Project Advantages

- Provides a complete business “life cycle” solution
- Cost sharing
- Utilizes best business practices of transportation agencies
- Helps DOTs comply with FHWA regulations
- Follows AASHTO national standards
- Off-the-shelf but configurable to accommodate state-to-state differences
- License fees provide maintenance, support, and enhancements to keep software current with technology and business requirements
AASHTOWare Project licensees

50 agencies, including Washington D.C. and two Canadian provinces
AASHTOWare Project @ ODOT

- Estimation
  - Currently Implementing, Production Spring 2019
- Bids
- Preconstruction
- Civil Rights and Labor
- SiteManager
  - Currently Implementing Construction & Materials, Production Spring 2020
- SiteXchange
- Data Analytics
Everyday Counts: e-Construction & CIM

- Efficiency through technology and collaboration
- AASHTOWare Project is a major contributor
- Paperless processes- electronic workflows
- Mobile devices
- Cloud, hosting
- Data stored in single location
- Single standard security modal
- Captures information at the source
- Easy reporting of information from the various modules
AASHTOWare Project Construction & Materials™

- Covers Construction and Materials Management Process
- AASHTOWare Project 4.1 - August 2018
- AASHTOWare Project 4.2 - August 2019
- Recent and Future Improvements to Include
  - Dynamic charts, static images and graphing on agency-defined forms
  - DWR Item Posting Selection Improvements
  - Single Sign-On Enhancements including SaaS Data Analytics module
- Michigan and Minnesota currently in production
- Several other agencies implementing
  - Ohio, Montana, Nebraska, Missouri, Iowa, among others
Agency Views

- Agency designed components to record data not already captured in AASHTOWare Project
  - Configurations Not Customizations
- 30+ AASHTO Standard Materials Agency Views currently available
  - Examples: T22, T27, T84, T85, T96, T99, T152, T166, T180, T209, T265, T309, T313, and T315
- Easy to modify, export, and import
- User Community Collaboration Effort Underway
  - Minimize agency workload
  - Reduce Implementation Time and Cost
Materials Mobile Application Pilot

- Seven month Pilot Project scheduled to complete this month
  - Three Participating Agencies – Nebraska, Minnesota, and Montana
  - Assessed feasibility of capturing material data in the field using standalone mobile application

- Goals Included
  - Create sample records and record test data, Create supporting materials acceptance records
  - Gather feedback from field users

- Offline Capability that Syncs with AP when on a network

- Dynamic Feedback Loop
  - Agency feedback incorporated during pilot

- Next Steps - Work towards production ready version
AASHTOWare Project Bids™

- AASHTOWare Project Bids 2.0 Released in June 2018
  - Support for math in custom forms
  - New DBE bidding options and customizations
  - Many other improvements
- Bids is replacing AASHTOWare Project Expedite™
  - Expedite sunset date is June 30, 2019
  - Agencies won’t be able to advertise or accept bids using Expedite after sunset
- 19 Agencies in production with Bids
  - Quick and easy implementation process
  - Reach out to Account Manager for implementation help
AASHTOWare Project Data Analytics™

- Works directly off the unified database
- Software as a Service (SaaS)
  - Minimal IT
  - Rapid feature delivery
  - Anytime, anywhere access by all
- Easy to use analysis tools for data driven solutions
- Construction Dashboards Development
- Construction Data Analysis Potential
- Two Data Analytics Videos Posted
Single Source of Truth - Visualizing your data

- Cost Estimation
- Proposal Preparation
- Bid Letting, Analysis and Award
- Construction Management and Inspection
- Materials Management
- Civil Rights and Labor

Data Analytics

- Decisions
- Reports
- Dashboard
Solicitation Effort

- First phase completed in August 2018 and is Production Ready (2 Themes)
- Remainder of Effort Requires Agency Pooled Funding
  - Solicitation released in July 2018 with responses due in September 2018
  - Cost $750,000 split over four fiscal years
- Approved for 100% State Planning & Research (SP&R) Waiver
- Production ready software, every 2 – 4 weeks, for participating agencies over 48 Months
- Deliverables
  - Identified web-based features & SaaS features functionality
  - Two construction dashboards
  - Applicable product documentation
- Contact Brian Korschgen, AASHTO, for more information
QUESTIONS?