

AASHTOWare Project Construction & Materials™

The AASHTOWare Project Construction & Materials™ software is a comprehensive, web-based construction and materials management application. Its functionality covers the complete construction and materials management process, including laboratory information management functionality. It is a powerful application spanning all levels of construction and materials management, enabling personnel to progress a contract and its supporting documentation from award through finalization.



While the application is robust, it is configurable by role and designed with the workflow of each specific user in mind so as not to be overwhelming. In addition to the user-specific features, key features of the system-wide functionality include:

- Any user with proper access can attach files/URL links and add agency fields to any record in the system.
- System events and issue tracking enable an agency to automate complex processes and workflows that might require input or review from several different users.
- Integrated agency views (also referred to as templates or forms) allows an agency to design and implement agency-specific forms, extending contracts, daily work report postings, daily source reports, material tests, and mix designs.
- Extensive online help is available throughout the application, including configurable tooltips.
- The Info Tech Mobile® Inspector™ application interface allows your inspectors to collect the data required for a daily inspection report which includes item progress, contractor work force, photos and site conditions using a smartphone or tablet.



AASHTOWare Project Construction & Materials also contains various reports that agencies will find beneficial in managing their construction projects, including reports for the Contract Status, Change Orders, Work Item Detail, Contractor Payment, Contract Material Acceptance Action Status, Approved Products, and the Outstanding Item List.

Construction Management

The AASHTOWare Project Construction & Materials module is designed to manage all aspects of a construction project by providing:
Field-based data entry functionality with Daily Work Reports.

- Diaries for the project manager to review the inspectors' Daily Work Reports.
- Contract change order functionality for creation, review, and approval of contract changes, including the ability to automate approval levels based on contract and change order type.
- Contract payment estimates, including agency-configurable exceptions such as item overruns, insufficient materials, limited funding, missed time, and many more. Payment estimate approvals are configurable by contract and payment estimate type.
- Force Account and Force Account Reporting functionality allows the agency to define, track, and report the actual costs of labor, equipment, and materials incurred in the performance of work including allowable overhead and markups for any contractor (prime or subcontractor) associated with the contract.
- Agency-configurable contractor evaluations with the ability to create, update,



- and change questions and question value/ratings.
- Construction stockpiles, including the ability to associate materials, set agency-level draw-down triggers and thresholds, and set contract item-specific recovery percentages.
- Stormwater compliance functionality to help manage and comply with SWPPP strategies. The application can be configured to manage/track water pollution controls (BMPs), inspection cycles, and system notifications.

Materials Management

AASHTOWare Project Construction & Materials helps agencies track and evaluate satisfaction of contract material acceptance actions by quantity, contract, date, source, or location per the agency's contract specifications for material certifications and test results. Acceptance actions are identified at a global level for all materials and are generated from that list at a contract item level, where they can then be modified as necessary. This functionality facilitates capturing contract material requirements and test results allowing agencies to automate contract material acceptance.

The software provides the ability to track materials from the producers, including their component materials, until they are ultimately used as part of the contract. It also provides source- and facility-based data entry functionality with Daily Source Reports. Source authority is used to identify users who may maintain source and facility information. Additional materials management features in the AASHTOWare Project Construction & Materials module include:

- Approved materials for sources and facilities management
- Enterprise tracking of testers, samplers, calibrators, welders, and laboratories qualifications for agency adherence to FHWA IA regulations
- Systematic tracking of test equipment and calibrations
- Optional automated payment estimate deductions for insufficient material requirements
- Mix design creation and approval
- Material test result data capture and evaluation

Laboratory Information Management

The laboratory information management features of the AASHTOWare Project Construction & Materials module are tailored to transportation agency lab management workflow. These features give the agency the ability to manage and track progress through each critical step of the material sample lifecycle. Lab management functionality is highly configurable to fit the needs of an unique agency's materials lab workflow.

The lab management functions have user-based security settings to ensure that assigned lab personnel have access only to the data and information needed to complete their individual tasks. The lifecycle tracking of samples and tests through the application expedites the overall testing process. At any point, it is easy to see which samples are waiting to be tested, which have the highest priority, and who is responsible for each sample's current stage of progress. Tests can be assigned (or re-assigned) to specific labs and to specific testers within those labs, based on qualifications and workload.

This functionality allows for a materials test environment that is interactively managed and responsive to a material lab's changing needs.

System Specifications

For details about system specifications for all AASHTOWare Project software, please refer to www.cloverleaf.net/sys_arch/.

For more information about this product, contact AASHTO or the AASHTOWare® contractor:



444 North Capitol Street N.W., Suite 249
 Washington, DC 20001
 Phone (202) 624-5821
 E-mail tbianchi@aaashto.org
 Internet www.aashtoware.org



2970 SW 50th Terrace
 Gainesville, FL 32608
 Phone (352) 381-4400
 E-mail info@infotechfl.com
 Internet www.infotechfl.com