

AASHTOWare Project Cost Estimation™

Cost Estimation System



Many elements comprise the pre-construction phase of a transportation construction project. AASHTOWare Project Cost Estimation™ is the primary AASHTO Project™ module for construction cost estimation, providing a variety of estimation methods and full integration with the other AASHTOWare Project components.

Available on the client/server platform and fully integrated with AASHTOWare Project Preconstruction™ and AASHTOWare Project BAMS/DSS™ and AASHTOWare Project Estimator™, AASHTOWare Project Cost Estimation provides a highly productive environment in which to prepare an assortment of estimates, including parametric, cost-based and bid-based job cost estimates. AASHTOWare Project Cost Estimation also includes a web interface for estimating parametric jobs. This tool allows users to create parametric estimates through a simple interface on a standard web browser with no additional software installation required.

The module provides a full range of cost estimating capabilities from conceptual estimation to the final engineer's estimate required for award approval, documented with a trail of periodic snapshots. A sampling of the information reported by AASHTOWare Project Cost Estimation includes:

- **Detailed Job Estimate**—provides detailed information about the selected jobs and estimate-related information, including header information, associated cost groups, funding packages, items and detailed item task information.
- **Jobs**—lists detailed information about the selected jobs, including header information, associated programs, cost groups, items, formulas and funding packages.
- **Job Snapshots**—reports the same detailed information about the snapshots for the selected jobs.
- **Labor**—details information about the selected laborers, including header information and associated wage rates.
- **Equipment**—lists detailed header and rate information about the selected equipment.
- **Materials**—provides detailed information about the selected materials.
- **Cost Sheets**—detailed cost sheet information is listed including header information, associated laborers, associated materials and associated equipment.
- **Crews**—lists detailed information about the selected crews.
- **Programs**—provides information about the selected programs, including header information, associated jobs and the program total.
- **Program Summary**—provides program totals by year, organized at several levels, including work type, job type, highway type, overall, urban/rural, district and county.

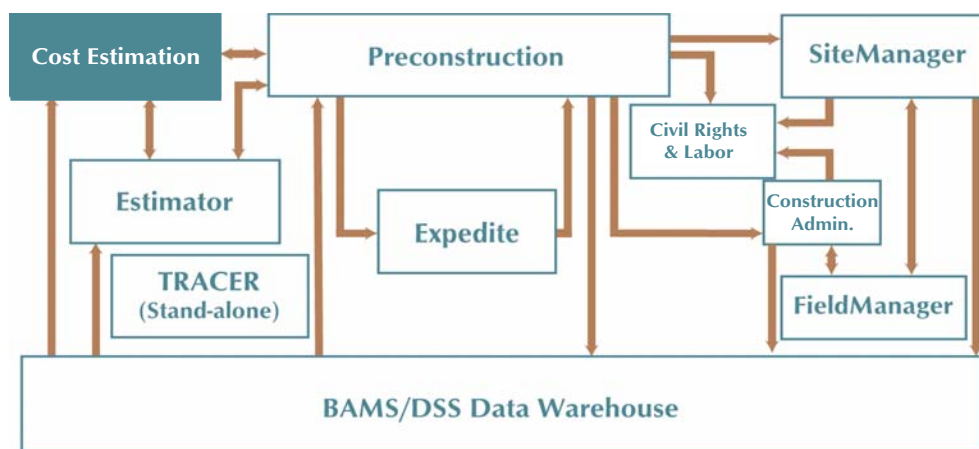


The AASHTOWare Project Cost Estimation module is equipped with tools that, coupled with its integration with the other AASHTOWare Project components, permit the upload of existing historical labor, equipment, material and crew data to provide more accurate estimates. A variety of import and export capabilities allow the user to make changes between selected systems, some allowing changes to item price only, or entire projects or proposals can be overwritten. Historical item and cost group information can be imported from AASHTOWare Project BAMS/DSS. Jobs can be imported from AASHTOWare Project Estimator, some non AASHTOWare Project software packages or from comma-separated value (CSV) formats.

Estimators have the ability to migrate their work through each stage of an estimate, splitting and combining jobs as required, moving smoothly from parametric to detailed estimation, creating projects and producing the final estimate. Snapshot views of estimates can also be taken at various stages in the estimation life cycle, allowing users to trace final results back to their conceptual beginnings.

System Specifications

For details about system specifications for all AASHTOWare Project products, please refer to: www.cloverleaf.net/sys_arch/. The figure below depicts the interaction of the AASHTOWare Project modules.



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