

AASHTOWare Project Estimator™



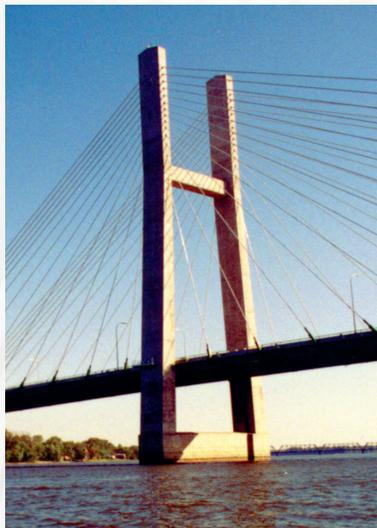
Highway Construction Cost Estimation

The smooth operation of any construction program depends on accurate, reliable estimation. With this purpose in mind, the AASHTOWare Project Estimator™ software was developed for transportation agencies and their design consultants. AASHTOWare Project Estimator is an interactive, Windows-based, stand-alone cost estimation system for highway construction. Although it is a true stand-alone product, it includes features that allow the licensing agency to leverage existing network infrastructures to promote ease of maintenance and installation for all users. It features a modern and intuitive graphical user interface that simplifies and streamlines the preparation of detailed estimates. AASHTOWare Project Estimator supports cost-based and historical estimation and offers the following features:

- Master data for producing estimates can be stored and maintained on single workstations or shared locations in one or more catalog files that include standard construction items, wages, production rates, historical item price estimation data, and equipment and material costs. This data is effortlessly applied in the estimation process.
- Reference data is easily shared among AASHTOWare Project Estimator workstations and/or offices with http (Intranet/Internet) access to catalogs.
- Historical pricing information can be automatically applied when properly configured in conjunction with other AASHTOWare Project™ modules such as AASHTOWare Project BAMS/DSS™.
- Reference prices may be used or ad hoc data entry is permitted if historical data is not present.
- Cost-based estimation techniques are flexible yet structured and simple.
- Estimate verification functionality assists with finalizing the estimate by identifying errors such as incompatible or incomplete data.
- Links to external price sources can be established utilizing the web services capability within the application.

As well as being a fully featured stand-alone estimation tool, AASHTOWare Project Estimator is integrated with the AASHTOWare Project system. AASHTOWare Project Estimator can exchange data with other applications and AASHTOWare Project modules as follows:

- Import construction items and historical catalog data directly from AASHTOWare Project BAMS/DSS.
- Exchange XML project data with AASHTOWare Project Preconstruction™ to help create early estimates.
- Exchange XML project data and pricing mechanisms with the AASHTOWare Project Cost Estimation™ and the AASHTOWare



Project Estimation™ modules for refinement of estimates and integration of project estimates into program estimates.

- Transfer XML contract pricing data to and from AASHTOWare Project Preconstruction for unit price refinement.
- Import project data from external design systems via the aecXML Infrastructure Project.
- Accessible XML formats provide potential for agency-specific custom interfaces with AASHTOWare Project Estimator.

AASHTOWare Project Estimator can produce a detailed cost estimate report that contains unit prices and identifies one or more of the following price derivation methods:

- Bid-based—provides actual historical bid data.
- Cost-based—builds estimated prices based on projected equipment, labor and material costs, including appropriate mark-ups and overhead costs.
- Reference-based—provides reference data from a price lookup table.
- Collection-based—costs that represent groupings or collections of other price derivations.

System Specifications

For details about system specifications for all AASHTOWare Project™ products, please refer to:

<https://www.aashtowareproject.org/sys-arch>.

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



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