

AASHTOWare Project Decision Support™



The web-based AASHTOWare Project™ software provides a unified database, which allows easy reporting of information from the various modules. The AASHTOWare Project 4.0 software release includes the first licensing component of the AASHTOWare Project Decision Support™ software, providing interactive historical regression pricing analysis and a pricing service used by AASHTOWare Project Estimator™ and AASHTOWare Project Preconstruction™.

To estimate projects and item costs, AASHTOWare Project Decision Support analyses item bid history information collected from proposals and lettings for state road and bridge construction projects. The AASHTOWare Project software provides pricing functionality based on pricing profiles to generate item prices, review item bid histories, and explore scatter plot diagrams from the historical bid data. The pricing service automatically generates estimated prices for use in the AASHTOWare Project Preconstruction™ and AASHTOWare Project Estimator™ software.

A pricing profile is a collection of settings used to gather historical bid data for pricing items in the AASHTOWare Project Preconstruction software. These settings determine which historical bid data is included in the calculations generated by the pricing service. For example, a pricing profile can indicate whether to include only bid data for proposals with a given work type or use a selected specifications book. A pricing profile can also indicate a range of dates so that bid data is included only for proposals that were let during that time period. Advanced parameters and filters can be used to identify data that matches exact characteristics. An agency can create multiple pricing profiles to use with various pricing models and projects. The price item summary analysis enables an agency to calculate an item price based on the historical bid data for a reference item. By selecting a pricing profile and additional parameters (highway type, location, season, work type, etc.), item prices are calculated.

The price versus quantity analysis tool compares prices for an item at different quantities using an interactive scatter plot. Modifying the settings to include or exclude data points, compare calculated prices based on varied criteria, and highlight different types of data can recalculate the price to analyze the data from different perspectives.

For item bid history review, the AASHTOWare Project software generates a list of the historical bid data for items. This information is used to compare and analyze the cost of the item at different quantities and variable conditions. Each row can be expanded to view information about the source of the item bid price, including variables from the cost estimate and information about the proposal and vendor. An item bid can be included or excluded in the calculation of the regression or average price.

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



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