



April 2021

AASHTOWare Project Estimation™ Quick Reference Guide for ODOT

4 | Pricing with Historical Bid Data

This document is a quick reference guide for Pricing with Historical Bid Data. Additional Estimation Quick Reference Guides and Computer Based Training files are available from ODOT.

Background

- A **Bid History Profile** is a collection of settings used to gather historical bid data for cost estimation purposes. When a Bid History Profile is selected during cost estimation, this collection of settings determines which historical bid data is included. Multiple Bid History Profiles can be created to be used for different types of projects.
- Bid-based pricing utilizes prepared or user-edited Bid History Profiles to determine an estimated price for an item.

View a Bid History Profile

1. Log on to AASHTOWare Project Estimation.
2. On the Estimate component, click the Bid History Profiles link.
3. Click the Bid History Profile link for the profile you wish to view.
4. View the **General** tab.
5. Click and view the **Data Selection** tab. (Note: The fields on this tab define the type and date range of data that is collected and used by the profile when calculating bid-based pricing.)
6. Click and view the **Basic Parameters** tab.
7. Click and view the **Advanced Parameters** tab.
8. Click and view the **Advanced Filters** tab.

Associate a Bid History Profile to a Cost Estimate

1. Log on to AASHTOWare Project Estimation.
2. On the **Estimation** component, click the **Cost Estimates** link.
3. In the search box, search for a cost estimate.
4. Click the **Cost Estimate Name** link to open the cost estimate.
5. On the General tab, in the **Bid History Profile** field, note the current value.

6. Click the component **Actions** button, then click the **Select Item Bid History Profile...** action.
7. In the *Select Item Bid History Profile* modal window, search for and select a bid history profile.
8. Click the **Copy Profile to Cost Estimate...** button.

Calculate a Bid-Based Price for a Cost Estimate Item

1. On the **Estimation** component, click the **Cost Estimates** link.
2. In the search box, search for a cost estimate.
3. Click the **Cost Estimate Name** link to open the cost estimate.
4. Click the **Cost Estimate Items** tab.
5. Click the **Expand/Collapse** arrow to expand an item.
6. Click the **Details** button to the right of the Price field.
7. Click the **Calculate Price** action next to the Bid Based method.
 - **Note:** The Calculate Price option will only appear if the item has an Active bid-based task associated to it.

Calculate Bid-Based Prices for All Items on a Cost Estimate




Note: The following steps will initiate a process that will try to calculate a price for all items on a cost estimate.



1. On the **Estimation** component, click the **Cost Estimates** link.
2. In the search box, search for a cost estimate.
3. Click the **Cost Estimate Name** link to open the cost estimate.
4. Click the **Cost Estimate Items** tab.
5. Click the **Actions** button next to the New button.
6. Click the **Calculate Bid Based Prices** action.

Update a Bid Based Task for a Cost Estimate Item

1. On the **Estimation** component, click the **Cost Estimates** link.
2. In the search box, search for a cost estimate.
3. Click the **Cost Estimate Name** link to open the cost estimate.
4. Click the **Cost Estimate Items** tab.
5. Click the **Expand/Collapse** arrow to expand an item.
6. Click the **Details** button to the right of the Price field.
7. Click the **Bid Based** method link.
8. In the **Alternate Item** field, optionally enter a value if you would like to base the price on the bid history of a different item.
9. In the **Task Group** field, optionally search for and select the name of the task group to which the bid-based task belongs.
10. Optionally click the **Rolled Up Quantity** check box if you would like to base the price on the total quantity of all occurrences of this item in the cost estimate.
11. In the **Alternate Quantity** field, optionally enter a value if you would like to base the price on the bid history for a different quantity.
12. Click the **Save** button.
13. To select a bid history profile different than the one associated to the cost estimate, click the component **Actions** button, then click the **Select Task Bid History Profile...** action. Select a Bid History Profile, then click the **Copy Profile to Cost Estimate Item Bid Based Task...** button.

View the Price vs. Quantity Analysis Scatterplot for a Cost Estimate Item

1. On the **Estimation** component, click the **Cost Estimates** link.
2. In the search box, search for a cost estimate.
3. Click the **Cost Estimate Name** link to open the cost estimate.
4. Click the **Cost Estimate Items** tab.
5. Click the **Expand/Collapse** arrow to expand an item.
6. Click the **Details** button to the right of the Price field.
7. Click the **Price vs Quantity Analysis** action next to the Bid Based method.
 - **Note:** The Price vs Quantity Analysis option will only appear if the item has an Active bid-based task associated to it.
 -  To zoom in, click the magnifying glass icon.
 - **100%** To zoom out, click the percentage about the magnifying glass icon.
 -  To learn more about each data point, click the Identify icon, then click on a data point.
 -  To exclude data points, click the Include/Exclude icon, then click on one or more data point.

-  To reprice based on your changes, click the Reprice icon.
-  To revert all changes, click the Reset icon.
- **Last 3 yr.** To change the bid history profile used to calculate the price, click the name of the profile, select a different profile, then click the Reload analysis with Profile button.
- **Apply** To apply the updated estimated price to the cost estimate, click the Apply link. Alternatively, exit out of the Price vs. Quantity pop-up to not apply any changes to the calculated price.

Next Steps

- Items on a cost estimate can be priced using historical bid-based data, reference prices, or cost sheets. For more information on pricing with reference prices, refer to the ODOT training file **5 | Pricing with Reference Prices**.

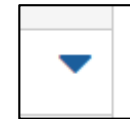
Key to Actions buttons



System Actions button
(At the top of the screen)



Component Actions button (On the heading)



Row Actions button
(On the row)