

AASHTOWare Project Estimation

Item Groups

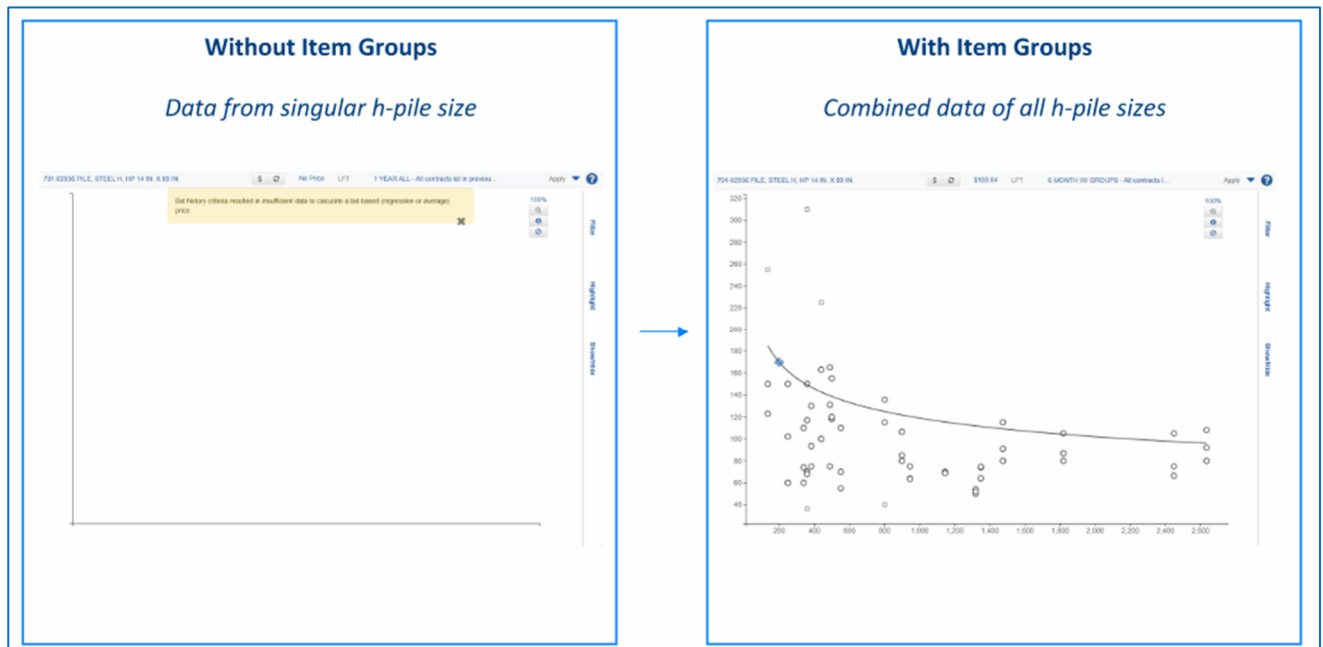
Printable Companion Handout



What are Item Groups?

Item groups are groups of bid data which combine multiple items into the same data pool to be used for regression analysis. This approach substitutes data for a single pay item when calculating unit prices and is helpful if a niche pay-item lacks enough data for reliable regression analysis.

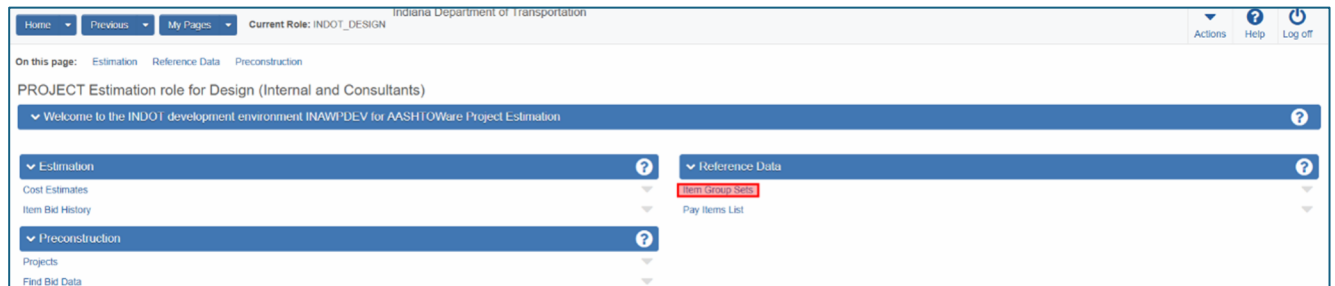
Item groups are typically used where there are multiple related items/sizes for a pay item without enough bid history data. For example, a pay-item for a particular size of h-pile may use the “PILE STEEL H” group to combine the data of all h-pile sizes. The data from the combination of every h-pile size would provide enough data points, allowing for a proper regression analysis.



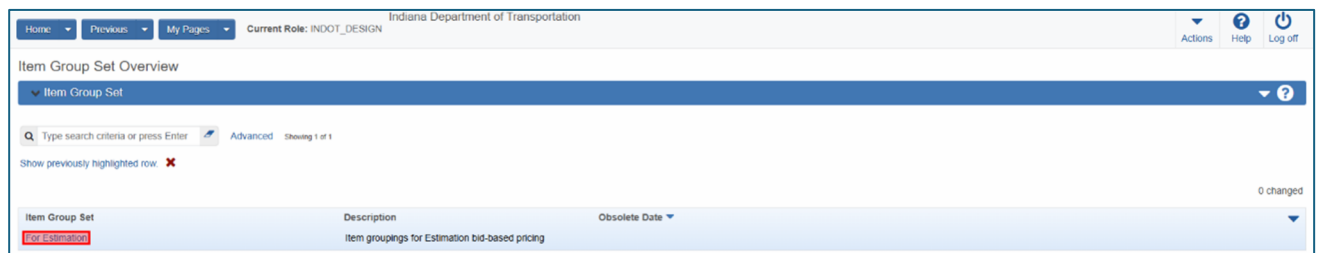
Viewing Available Item Groups

Seeing a list of items within each item group provides a helpful guide to determine which items match or fit with certain item groups. To view item groups provided by INDOT, use the procedure below:

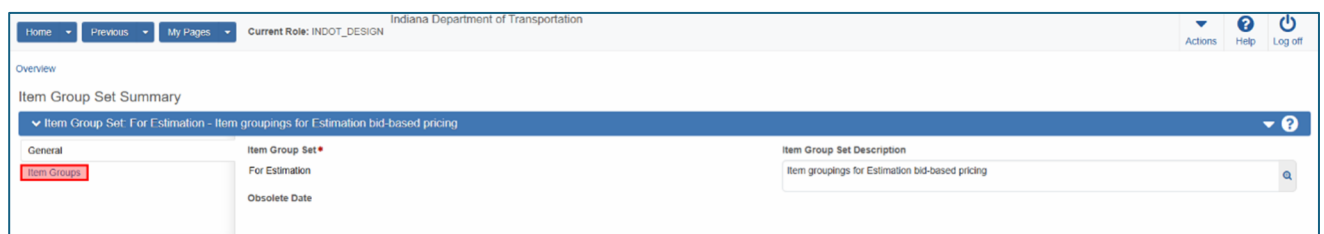
1. Navigate to the home screen. This can be done by clicking the Home button in the top-left corner.
2. Within the “Reference Data” component, click, “Item Group Sets”



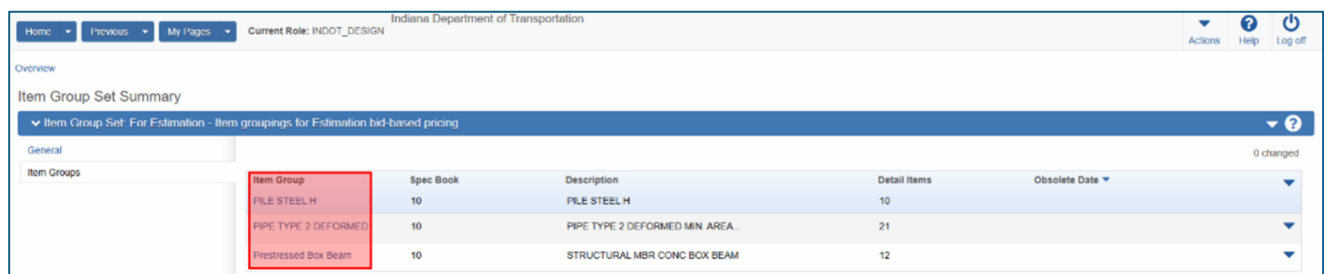
3. You will navigate to the Item Group Set Overview screen, where a list of available Item Group Sets will appear. The only available Item Group Set provided by INDOT is the “For Estimation” group. Click on the For Estimation group.



4. You will navigate to the Item Group Set Summary screen. Click on the Item Groups tab on the left side of the screen.



5. A list of all of the item groups will appear. Click on an item group’s name to inspect an item group in detail.



6. You will navigate to the Item Group Summary screen. Click on the Detail Items tab on the left side of the screen.

Indiana Department of Transportation

Home Previous My Pages Current Role: INDOT_DESIGN Actions Help Log off

Set

Item Group Summary

Item Group: PILE STEEL H - PILE STEEL H

General

Detail Items

Item Group Set

For Estimation

Item Group *

PILE STEEL H

Spec Book *

10

Unit System *

English

Common Unit of Measure *

EACH - EACH

Item Group Set Description

Item groupings for Estimation bid based pricing

Item Group Description

PILE STEEL H

Item Classification

Item Type

Contract Classification

7. Every pay item and their units will be displayed on screen.

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Set

Item Group Summary

Item Group: PILE STEEL H - PILE STEEL H

General

Detail Items

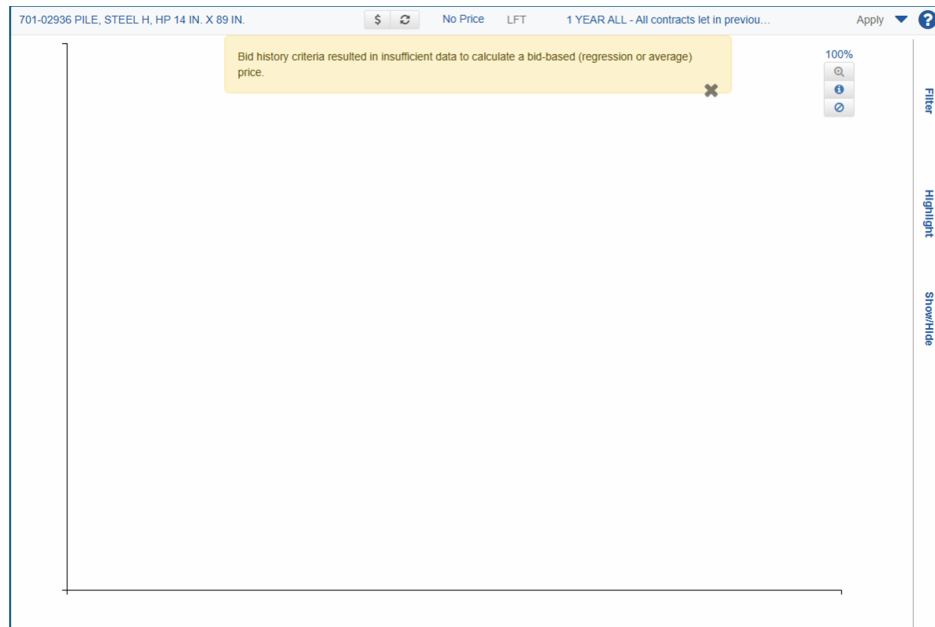
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Item	Unit	Conversion
Q 701-95782 PILE, STEEL H, HP, 12 X 84	LFT - LINEAR FEET	1.0000000
Q 701-02936 PILE, STEEL H, HP 14 IN. X 89 IN.	LFT - LINEAR FEET	1.0000000
Q 701-51195 PILE, STEEL H, HP 12 X 53	LFT - LINEAR FEET	1.0000000
Q 701-93575 PILE, STEEL H, HP, 14 X 73	LFT - LINEAR FEET	1.0000000
Q 701-93658 PILE, STEEL H, HP, 12 X 63	LFT - LINEAR FEET	1.0000000
Q 701-95780 PILE, STEEL H, HP 12 X 74	LFT - LINEAR FEET	1.0000000
Q 701-03921 PILE, STEEL H, HP 14 IN. X 102 IN.	LFT - LINEAR FEET	1.0000000
Q 701-11361 PILE, STEEL H, EPOXY COATED, HP 12 X 74	LFT - LINEAR FEET	1.0000000

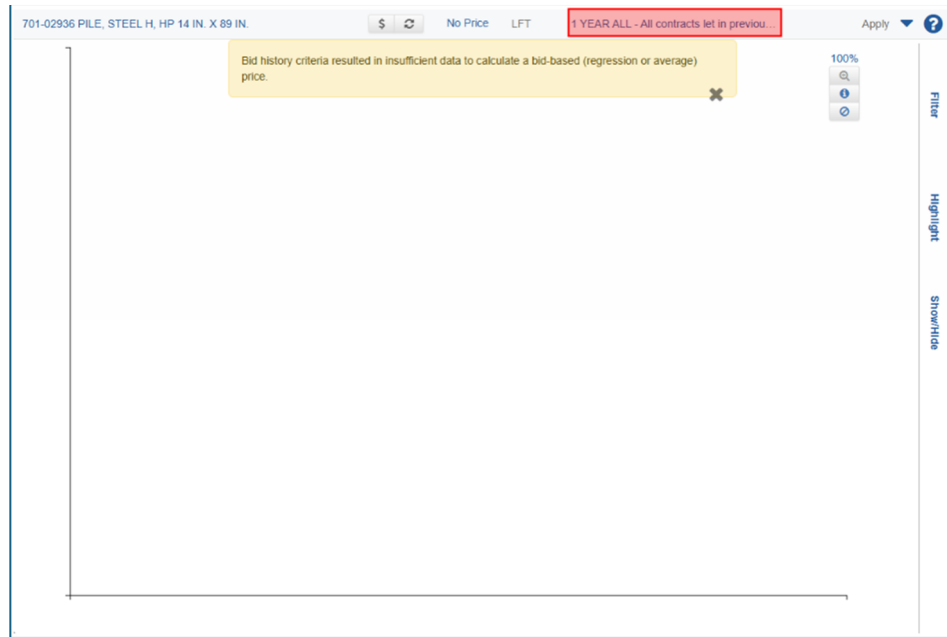
Using Item Groups

The purpose of item groups is to be used in lieu of individual pay items when replacing insufficient data for a single pay item. Follow the procedure below to use an item group:

1. Navigate to the Price v Quantity view for an eligible pay item. This should be a pay item that doesn't have sufficient data to calculate a unit price from a regression curve.



2. Click on the Bid History Profile on the top left corner. A menu of available bid history profiles will appear.



3. Select the “6 MONTH W/ GROUPS” Bid History Profile. This bid history profile preloaded with the Item Group Set, which automatically applies to items where the group set is compatible.

Select Bid History Profile

Type search criteria or press Enter

1 YEAR ALL	All contracts let in previous 12 months (Feb 202	No	
1 YEAR ALL	All contracts let in previous 12 months (Feb 202	Yes	Filter
1 YEAR ALL Test	All contracts let in previous 24 months	Yes	Test 1900051_07
1 YEAR ALL Test	All contracts let in previous 24 months	Yes	Est_2200655
1 YEAR ALL Testing	All contracts let in previous 12 months (Feb 202	Yes	TESTMCB
18 Greenfield		No	
2 YEAR ALL	All contracts let in previous 24 months	No	
2 YEAR ALL	All contracts let in previous 24 months	Yes	JD1
3 MONTH ALL	All contracts let in previous 3 months (Nov 2024	No	
3 YEAR ALL	All contracts let in previous 36 months	No	
6 MONTH ALL	All contracts let in previous 6 months (Aug 2024	No	
6 MONTH W/ GROUPS	All contracts let in previous 6 months with item g	No	

Reload analysis with Profile

4. Click “Reload analysis with Profile” in the bottom-right corner

Select Bid History Profile

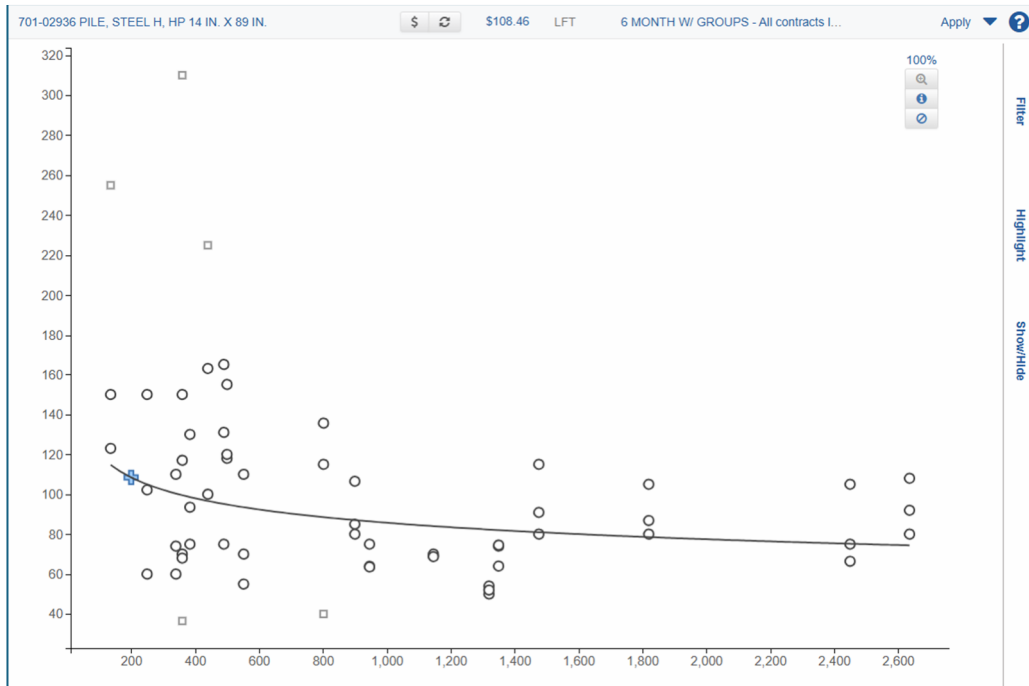
Q

Type search criteria or press Enter

1 YEAR ALL	All contracts let in previous 12 months (Feb 202: No		
1 YEAR ALL	All contracts let in previous 12 months (Feb 202: Yes	Filter	
1 YEAR ALL Test	All contracts let in previous 24 months	Yes	Test 1900051_07
1 YEAR ALL Test	All contracts let in previous 24 months	Yes	Est_2200655
1 YEAR ALL Testing	All contracts let in previous 12 months (Feb 202: Yes	TESTMCB	
18 Greenfield	No		
2 YEAR ALL	All contracts let in previous 24 months	No	
2 YEAR ALL	All contracts let in previous 24 months	Yes	JD1
3 MONTH ALL	All contracts let in previous 3 months (Nov 2024: No		
3 YEAR ALL	All contracts let in previous 36 months	No	
6 MONTH ALL	All contracts let in previous 6 months (Aug 2024: No		
6 MONTH W/ GROUPS	All contracts let in previous 6 months with item g	No	

Reload analysis with Profile

- Your page will automatically refresh with the Item Groups applied to the unit price analysis.



- Click “Apply” in the top-right corner. Your unit price will apply to the cost estimate in the Item Pricing Worksheet.

