

AASHTOWare Project Estimation

Common Errors & Warnings

Printable Companion Handout (V1 – Updated 9/14/2026)



Introduction

The following document contains a list of common errors, warnings, or information bars that you may encounter while using AASHTOWare Project Estimation. Pop-up information will be displayed in the top portion of the screen, color coded using the following notation:

Red = Error

Yellow = Warning

Blue = Information

This document will be separated into common messages that pop-up while using AWP. Then, it will delineate why this message is occurring and steps that can be taken to troubleshoot it.

Project Items, Categories, or Fund Packages Exist

Project Items, Categories, or Fund Packages exist. Only pricing fields are editable.
--

Why is this here?

This message appears when there are Categories, Pay Items, or Fund Packages stored within the Project as opposed to the cost estimate. This causes the cost estimate to disallow the adding and removal of pay items or categories. This is because the pay items are stored in the project instead of the cost estimate, so items cannot be added within the cost estimate. See 111 – Building Project & Segment Items for more detailed information about the relationship between Project and Cost Estimate pay items.

This message is most likely to appear because of one of two causes:

- The project was imported from an external database (i.e. CES) and has **automatically created project categories**.
- The **Build Project Items** feature was used to generate pay items which are stored in the project and linked to the items inside the cost estimate.

How to Troubleshoot

To troubleshoot this message, start by ensuring that there are no project item categories:

1. Navigate to the Project Summary screen.
2. Click the “Categories and Items” quicklink at the top left corner.

The screenshot shows the 'Project Summary' screen for project 2600453MB. The top navigation bar includes 'Home', 'Previous', 'My Pages', and 'Current Role: INDOT_DESIGN'. The 'Categories and Items' quicklink is highlighted in red. The left sidebar contains a list of navigation options: General, Counties, Districts, Points, Road Segments, Bridge Segments, and Workflow. The main content area displays project details: Project ID (DES #) 2600453MB, Project Location Description (BRIDGE DECK OVERLAY ON I74 EB BRIDGE OVER SUGAR CREEK, 9.16 MILES E I-465), and Spec Book 10. Functional Class, Season, and Terrain dropdowns are also visible.

3. You will navigate to the “Project Category and Item Summary” screen. Click on the “Categories” tab on the left.

The screenshot shows the 'Project Category and Item Summary' screen for project 2600453MB. The top navigation bar is the same as the previous screen. The left sidebar now has the 'Categories' tab highlighted in red. The main content area displays the same project details as before, but with a search bar and a list of categories. The search bar contains the text 'Type search criteria or press Enter'. The list of categories shows '0001 - DISTRICT BRIDGE PROJECT (REHABILITATION)'.

4. If a category is assigned to your project, then a blue category will appear on the screen.

The screenshot shows the 'Project Category and Item Summary' screen for project 2600453MB. The top navigation bar is the same as the previous screen. The left sidebar now has the 'Categories' tab highlighted in red. The main content area displays the same project details as before, but with a search bar and a list of categories. The search bar contains the text 'Type search criteria or press Enter'. The list of categories shows '0001 - DISTRICT BRIDGE PROJECT (REHABILITATION)' highlighted in blue. The status bar at the bottom indicates '0 added | 0 marked for deletion | 0 changed'.

5. To remove the project category, click the blue carrot to the right.

Indiana Department of Transportation

Current Role: INDOT_DESIGN

Overview Fund Package Overview Funding: Assign to Items Item Alternate Summary Item Pricing Project Item Worksheet

Project Category and Item Summary

Project: 2600453MB - BRIDGE DECK OVERLAY ON I74 EB BRIDGE OVER SUGAR CREEK, 9.16 MILES E I-465

Proposal:

General

Categories

Type search criteria or press Enter Advanced Showing 1 of 1

Category Alternate Sets

Item Alternate Sets

Items

New

0 added 0 marked for deletion 0 changed

> 0001 - DISTRICT BRIDGE PROJECT (REHABILITATION)

6. An action menu will pop up. Click “Delete.”

Indiana Department of Transportation

Current Role: INDOT_DESIGN

Overview Fund Package Overview Funding: Assign to Items Item Alternate Summary Item Pricing Project Item Worksheet

Project Category and Item Summary

Project: 2600453MB - BRIDGE DECK OVERLAY ON I74 EB BRIDGE OVER SUGAR CREEK, 9.16 MILES E I-465

Proposal:

General

Categories

Type search criteria or press Enter Advanced Showing 1 of 1

Category Alternate Sets

Item Alternate Sets

Items

New

0 added 0 marked for deletion 0 changed

> 0001 - DISTRICT BRIDGE PROJECT (REHABILITATION)

Actions

- Copy
- Delete
- Duplicate Row
- Exclude from Search Results
- Insert Row
- Tasks
- Delete Category And Associated Data
- Views
- Attachments (0)
- Links
- Tracked Issues

7. The project category will be marked for deletion. Click “Save” on the top right corner of the screen.

Indiana Department of Transportation

Current Role: INDOT_DESIGN

Overview Fund Package Overview Funding: Assign to Items Item Alternate Summary Item Pricing Project Item Worksheet

Project Category and Item Summary

There are unsaved changes.

Project: 2600453MB - BRIDGE DECK OVERLAY ON I74 EB BRIDGE OVER SUGAR CREEK, 9.16 MILES E I-465

Proposal:

General

Categories

Type search criteria or press Enter Advanced Showing 1 of 1

Category Alternate Sets

Item Alternate Sets

Items

New

0 added 1 marked for deletion 0 changed

0001 - DISTRICT BRIDGE PROJECT (REHABILITATION)

If the project categories are a result of an imported project, then the cost estimate should be editable as normal. Navigate back to the cost estimate to see if the blue message is still in the top portion of the screen.

This message may persist if the Build Project Items feature was used unintentionally. Check to see if your project has Project Items:

1. Navigate to the Project Summary screen
2. Click the “Item Worksheet” quicklink at the top of the screen.

Indiana Department of Transportation

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

Overview Categories and Items Cost Estimate Fund Package Overview Funding: Assign to Items Item Alternate Summary Item Pricing **Item Worksheet**

Project Summary

Project: TESTMCB - Bridge Save ?

Proposal:

General

Counties

Districts

Points

Road Segments

Bridge Segments

Workflow

Project ID (DES #)

TESTMCB

Project Location Description*

Bridge

Spec Book *

10

Functional Class

Season

Terrain

3. You will navigate to the Project Item Worksheet. If your project is populated with items, then a populated spreadsheet will appear.

Indiana Department of Transportation

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

Overview Categories and Items Fund Package Overview Funding: Assign to Items Item Alternate Summary Item Pricing **Project**

Project Item Worksheet

Project: MCB BBR - MCB Test Save ?

Proposal:

Project Item Total

27,011.02

Q Type search criteria or press Enter Advanced Showing 68 of 68

Delete

0 added 0 marked for deletion 0 changed

Cat ID	Proj Line Num	Item	Descr	Units	Quantity	Price Lock	Ext Amt	Suppl Descr	Supp Rqd	Bid Req
0001	105-06845		CONSTRUCTION ENGINEERING	LS	1.000	No	504.88		No	
0002	110-01001		MOBILIZATION AND DEMOBILIZATION	LS	1.000	No	1,262.20		No	
0003	201-52370		CLEARING RIGHT-OF-WAY	LS	1.000	No			No	
0004	202-02240		PAVEMENT REMOVAL	SYS	410.000	No			No	
0005	202-06541		REMOVE	EACH	1.000	No	6,763.52	TEST	Yes	
0006	202-51328		PRESENT STRUCTURE, REMOVE PORTION...	LS	1.000	No		TEST	Yes	
0007	203-02000		EXCAVATION, COMMON	CYS	500.000	No			No	
0008	205-12108		STORMWATER MANAGEMENT BUDGET	DOL	17,796.000	No			No	Fixed
0009	205-12616		STORMWATER MANAGEMENT IMPLEMENTA...	LS	1.000	No			No	
0010	207-09935		SUBGRADE TREATMENT, TYPE IC	SYS	768.000	No			No	
0011	211-06467		AGGREGATE FOR END BENT BACKFILL	CYS	78.000	No			No	
0012	214-12239		GEOTEXTILE FOR PAVEMENT, TYPE 2B	SYS	806.000	No			No	
0013	301-12234		COMPACTED AGGREGATE, NO. 53	CYS	54.000	No	6,303.42		No	
0014	302-06464		SUBBASE FOR PCCP	CYS	104.000	No			No	
0015	303-01180		COMPACTED AGGREGATE, NO. 53	TON	148.000	No			No	
0016	306-08043		MILLING, TRANSITION	SYS	924.000	No			No	

4. If there are items assigned to your project, **contact** INDOTCostEstimationSupport@indot.in.gov for further assistance.

This error message also states that Fund Packages could be assigned to your project. This is most likely not the case, but this can still be checked:

1. Navigate to the Project Summary Screen
2. Click on “Fund Package Overview” quicklink on top of the screen.

3. If there are Funding Packages assigned to the project, they will populate the screen. If you find funding packages (where the screen isn't blank like below), **contact INDOTCostEstimationSupport@indot.in.gov for support.**

Bid History Criteria Resulted in Insufficient Data

Bid history criteria resulted in insufficient data to calculate a bid-based (regression or average) price.

Why is this here?

This warning may appear after running a regression analysis for a single item. If there are not enough bid history data points based on both the item and the bid history profile, this message will appear. Subsequently, the pay item that an analysis was ran on will not display a calculated unit price. In some cases, an average unit price will be calculated based on the amount of data.

How to Troubleshoot

The first step to evaluating any unit price is to open the Price vs Quantity Analysis screen:

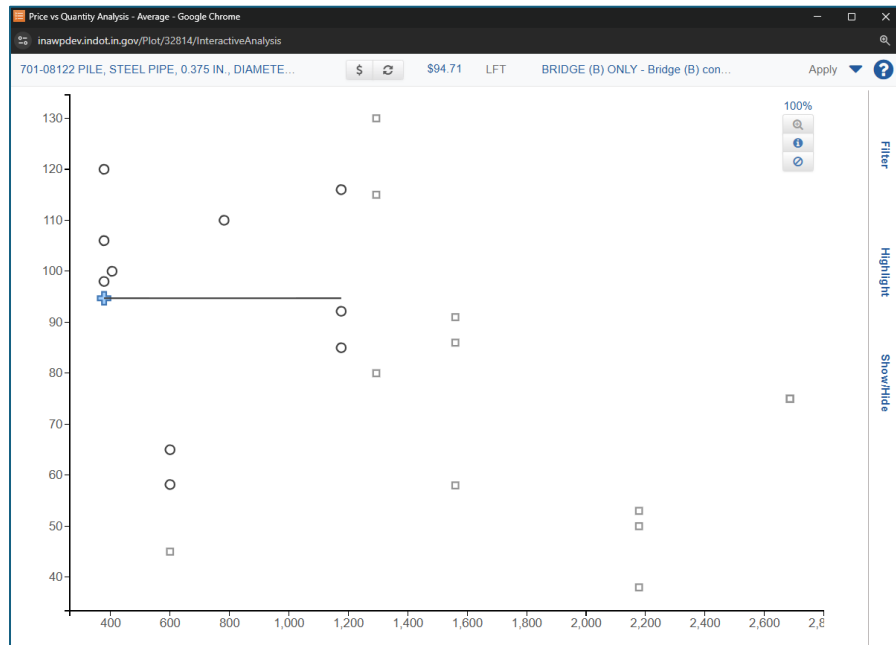
1. Click the “blue bars” icon to the right of the item

Total Cost Estimate Items											
1,449,875.10											
Delete											
0 added 0 marked for deletion 0 changed											
Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Price Source	Ext Amt	Supp Descr	Supp Rpt	Comments
0001 - Bridge R...	1	401-10258	JOINT ADHESIVE, SURFACE	LFT	10.000	1.80412	Regression	18.04		No	
0001 - Bridge R...	2	401-10259	JOINT ADHESIVE, INTERMEDIATE	LFT	20.000	1.87316	Regression	37.46		No	
0001 - Bridge R...	3	406-05521	ASPHALT FOR TACK COAT	SYS	30.000	0.89332	Regression	26.80		No	
0001 - Bridge R...	4	601-12281	GUARDRAIL, MGS W-BEAM, 6 FT 3 IN. SPACING	LFT	50.000	25.69000	Regression	1,284.50		No	
0001 - Bridge R...	5	601-12292	GUARDRAIL TRANSITION, MGS WITHOUT CURB	EACH	100.000	3,313.02000	Regression	331,302.00		No	
0001 - Bridge R...	6	601-94689	GUARDRAIL, END TREATMENT, TYPE OS	EACH	10.000	3,108.26000	Regression	31,082.60		No	
0001 - Bridge R...	7	616-06405	RIPRAP, REVETMENT	TON	500.000	84.97000	Regression	42,485.00		No	
0001 - Bridge R...	8	704-51002	CONCRETE, C, SUPERSTRUCTURE	CYS	20.000	2,348.67769	Regression	46,961.55		No	
0001 - Bridge R...	9	707-08158	STRUCTURAL MEMBER, CONCRETE, BULB-T BEAM, 42 I.	LFT	1,000.000	709.02558	Regression	709,025.58		No	
0001 - Bridge R...	10	703-06029	REINFORCING BARS, EPOXY COATED	LBS	150,000.000	1.23429	Regression	185,143.50		No	
0001 - Bridge R...	11	105-06845	CONSTRUCTION ENGINEERING	LS	1.000	33,718.03000	Reference	33,718.03		No	
0001 - Bridge R...	12	110-01001	MOBILIZATION AND DEMOBILIZATION	LS	1.000	67,436.05000	Reference	67,436.05		No	
0001 - Bridge R...	13	801-06775	MAINTAINING TRAFFIC	LS	1.000	12.00000	Ad Hoc	12.00		No	801-C-157
	14	701-08122	PILE, STEEL PIPE, 0.375 IN., DIAMETER 14 IN.	LFT	12.000	94.71000	Average	1,136.52		No	
	15	701-09683	PILE SHOE, HP 12 X 74	EACH	1.000	205.47000	Regression	205.47		No	

2. A menu will appear. Click “Price vs Quantity Analysis”

Total Cost Estimate Items											
Delete											
0 added 0 marked for deletion 0 changed											
Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Price Source	Ext Amt	Supp Descr	Supp Rpt	Comments
0001 - Bridge R...	1	401-10258	JOINT ADHESIVE, SURFACE	LFT	10.000	1.80412	Regression	18.04		No	
0001 - Bridge R...	2	401-10259	JOINT ADHESIVE, INTERMEDIATE	LFT	20.000	1.87316	Regression	37.46		No	
0001 - Bridge R...	3	406-05521	ASPHALT FOR TACK COAT	SYS	30.000	0.89332	Regression	26.80		No	
0001 - Bridge R...	4	601-12281	GUARDRAIL, MGS W-BEAM, 6 FT 3 IN. SPACING	LFT	50.000	25.69000	Regression	1,284.50		No	
0001 - Bridge R...	5	601-12292	GUARDRAIL TRANSITION, MGS WITHOUT CURB	EACH	100.000	3,313.02000	Regression	331,302.00		No	
0001 - Bridge R...	6	601-94689	GUARDRAIL, END TREATMENT, TYPE OS	EACH	10.000	3,108.26000	Regression	31,082.60		No	
0001 - Bridge R...	7	616-06405	RIPRAP, REVETMENT	TON	500.000	84.97000	Regression	42,485.00		No	
0001 - Bridge R...	8	704-51002	CONCRETE, C, SUPERSTRUCTURE	CYS	20.000	2,348.67769	Regression	46,961.55		No	
0001 - Bridge R...	9	707-08158	STRUCTURAL MEMBER, CONCRETE, BULB-T BEAM, 42 I.	LFT	1,000.000	709.02558	Regression	709,025.58		No	
0001 - Bridge R...	10	703-06029	REINFORCING BARS, EPOXY COATED	LBS	150,000.000	1.23429	Regression	185,143.50		No	
0001 - Bridge R...	11	105-06845	CONSTRUCTION ENGINEERING	LS	1.000	33,718.03000	Reference	33,718.03		No	
0001 - Bridge R...	12	110-01001	MOBILIZATION AND DEMOBILIZATION	LS	1.000	67,436.05000	Reference	67,436.05		No	
0001 - Bridge R...	13	801-06775	MAINTAINING TRAFFIC	LS	1.000	12.00000	Ad Hoc	12.00		No	801-C-157
	14	701-08122	PILE, STEEL PIPE, 0.375 IN., DIAMETER 14 IN.	LFT	12.000	94.71000	Reference	1,136.52		No	
	15	701-09683	PILE SHOE, HP 12 X 74	EACH	1.000	205.47000	Reference	205.47		No	
	16	601-03482	GUARDRAIL, MISCELLANEOUS MATERIAL AND LABOR F	LS	1.000		Cost Based			No	
	17	305-08042	MILLING, SCARIFICATION	SYS	1.000		Maintain Item Price			No	

3. You will see any data point relevant to the item.



- If your plot has a **straight line**, then it has calculated a unit price based on the average value of previous bids. This implies that there is enough data to find an average, but not enough to find a suitable correlation or regression equation.
- If your plot has **no line with data points**, then your bid history data is too sparse to produce any kind of cost estimate. This may be either a result of the pay item, the bid history profile, or both.
- If you have **no data points**, then you are likely using a User Bid History Profile or viewing a niche pay item.
 - *To troubleshoot this, either switch from the User Bid History Profile to a standard Bid History Profile or adjust the filters in the User Bid History Profile.*

If your plot has data points with no reasonable unit price analysis, visit the INDOT Cost Estimation Webpage and view the Best Practices Guide for help with troubleshooting.

In general, begin with changing the bid history profile to larger scale bid history profiles (i.e. - ONE YEAR ALL to TWO YEAR ALL). You may also use item groups. See 207 – Using Item Groups for more information.

Pay Item is a True Lump Sum Item

Warning: Detected 1 row with warnings. Please review messages below.



Cost Estimate Name 'TESTMCB', Spec Book '10', Snapshot Sequence ", Line '16': '601-03492' is a True Lump Sum Item. The Quantity for this item can only be 1.

[Show All](#) [Show Warnings](#)

Why is this here?

This error appears when a lump sum item (an item where lump sum is marked with the unit LS) is given a quantity other than 1. This error will appear when the item pricing worksheet is saved rather than when the number is entered.

How to Troubleshoot

Click on the quantity of the lumpsum pay item. Then, enter “1” into the quantity. Then click “Save” on the top right corner.

Type: Invalid Value

1 Error. [Hide Details...](#)

• Type: Invalid value “”; value is required. (base rule)

Why is this here?

This error appears when a field denoted by a **red asterisk*** has been left blank. This error will appear when you either click “save” or attempt to continue on a screen that has drop down menus.

How to Troubleshoot

Find the drop-down menu or text box with a red asterisk and a blank selection, then fill in the field. If there are no options in a drop-down menu, contact INDOTCostEstimationSupport@indot.in.gov.

A problem occurred while generating the report

A problem occurred while generating the report:

Layout file CostEstimateReport.rpx contents cannot be loaded.

Layout file CostEstimateReport.rpx could not be retrieved and may not be installed.

A problem occurred while generating the report:

Exception has been thrown by the target of an invocation.

Failed to compare two elements in the array.

Non-static method requires a target.

Why is this here?

A version of this error appears when a cost estimate that isn't complete or mis formatted is being export as a pdf. The specific message that appears will depend on the combination of the Report Layout Source and other settings. See 109 – Printing Cost Estimates for an overview of preferred settings when exporting a cost estimate as a pdf.

This is most likely a result of a cost estimate category or another feature in the Item Pricing Worksheet being blank when exporting the cost estimate as a pdf. This causes an error when AWP_e tries to convert the cost estimate to an xlsx or pdf, since it is looking for information that isn't filled in. This error is uncommon, since items that are not associated with categories have been changed to appear at the bottom of a cost estimate instead of producing this error:

0001	0096	808-75996	10.00	EACH	\$36.39	\$363.90	S
		SNOWPLOWABLE RAISED PAVEMENT MARKER, REMOVE					
0001	0097	808-75998	10.00	EACH	\$117.68	\$1,176.80	S
		SNOWPLOWABLE RAISED PAVEMENT MARKER					
< Category 0001 Subtotal:						\$4,937,553.59	
	0001	105-06845	1.00	LS	\$117,541.00	\$117,541.00	S
		CONSTRUCTION ENGINEERING					
Category Subtotal:							

How to Troubleshoot

Navigate to the Item Pricing Worksheet. Ensure that each column is populated with suitable values for each pay item.