

AASHTOWare Project

Consultant Cost Estimate User Guide

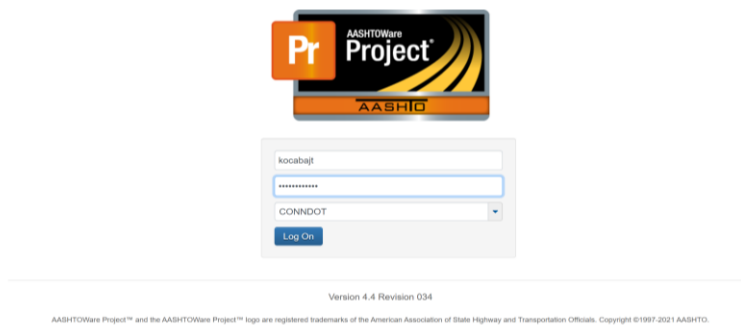
This guide provides CTDOT consultants with the steps to properly develop and modify an existing cost estimate in AASHTOWare project. A cost estimate must exist in the AASHTOWare Project system before any modifications can be initiated. If a particular cost estimate is unavailable, please reach out to the proper CTDOT project manager for assistance.

Steps

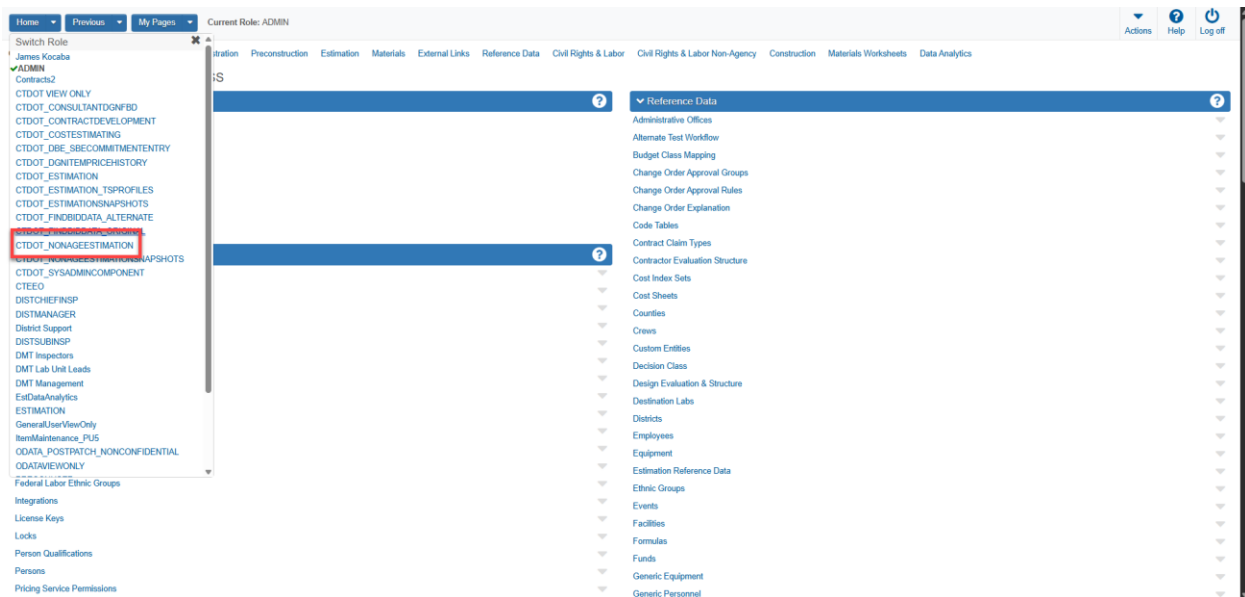
Log into AASHTOWare Project.....	1
Navigate to Assigned Cost Estimate	2
Add Individual Cost Estimate Items	3
Add Multiple Cost Estimate Items	7
Item Grouping by Design Unit Owner.....	10
Non-Bid Items – Utilities, State Police and Work by State Forces	13
Common Lump Sum Items.....	15
Add Common Lump Sum Item Reference Price.....	18
Calculate Bid Based Unit Prices for All Items	20
Calculate Bid Based Unit Prices for Individual Items	22
Add Contingency Percentage.....	23
Add Incidental Percentage.....	24
Add Inflation	25
Sub-Consultant Cost Estimate Handoff.....	30
Snapshots and Cost Estimate Phase Transition	32

Log into AASHTOWare Project

1. Ensure that the proper url is selected: <https://ctdot-pr-prod.infotechinc.com/Account/LogOn>
2. Enter User name and password



3. Select the role CTDOT_NONAGEESTIMATION



Navigate to Assigned Cost Estimate

Once CTDOT_NONAGEESTIMATION is selected, navigate to the cost estimate overview screen.

1. Select Cost Estimates

Home Previous My Pages **IMPL** Actions Help Log off

On this page: System Information Preconstruction Estimation External Links

PROJECT Consultant Design Role for Concept and Milestone Cost Estimates

Welcome to AASHTOWare Project v5.02

Messages:

Please report system module issues to the proper support email address below:

Construction: dot.asp-support@ct.gov
Design: dot.aashtoware_admins@ct.gov

- James Kocaba (System Admin)

System Information

Constr Management Sys ID (CMSID)
bcb29e24-b257-49c9-9203-beb7d90354c4

Product Version
5.03.04 Revision 040

Database Version
5.03.040

Preconstruction

Projects

Estimation

Concepts

Cost Estimates

Snapshots

External Links

Connecticut DOT Cost Estimating
Connecticut DOT Division of Construction Operations
Google Earth Web

AASHTOWare Project Estimation User Guides and Training
AASHTOWare Project Agency User Manual
Project Point Deg Min Sec Identification

2. Select cost estimate name. Only cost estimates assigned by CTDOT to the individual firm will be listed on the overview screen.

Home Previous My Pages **IMPL** Actions Help Log off

Cost Estimate Overview

Cost Estimate Overview

Profiles Only

Q Type search criteria or press Enter CreatedDate Showing 1 of 1

Id	Cost Estimate Name	Cost Estimate Descr	Associated To	Associated Type	Estimate Type	Profile	Active	Created	Created Dt
286	0001-1111-01	NONAGE TEST	0001-1111	Project		No	Yes	James.Kocaba@ct.gov	05/14/2025 10:40:08 AM

0 changed

3. Cost Estimate summary screen will load

Home Previous My Pages **IMPL** Actions Help Log off

Overview Typical Sections Item Pricing Worksheet

Cost Estimate Summary

Cost Estimate: 0001-1111-01 - NONAGE TEST

Project: 0001-1111

General

Cost Summary

Cost Estimate Items

Incidentals and Contingencies

Categories

Markups

Parent Attributes

Associated Type
Project

Entity
0001-1111

Entity Description
NONAGEESTIMATION SNAPSHOT TEST

Improvement Type

Spec Book
11

Unit System
English

Work Type

Estimate Information

Cost Estimate Name
0001-1111-01

Cost Estimate Descr
NONAGE TEST

Estimate Phase
01 - Programming

Estimated By
CONNDOT\kocaba@j
Kocaba James

Cost Estimate Total
1,314,287.09

Previous Snapshot Total

Design Build
☐

Profile
No

Estimate Type

Vendor Access
11-1631569
WSP USA Inc

Active
Yes

Add Individual Cost Estimate Items

After the cost estimate has been generated and proper asset categories added the user can begin to add cost estimate items.

1. Select and navigate to Item Pricing Worksheet

The screenshot shows the 'Cost Estimate Summary' page for 'Cost Estimate: 0103-0277TEST - Big Bridge over small river'. The 'Item Pricing Worksheet' link in the top navigation bar is highlighted with a red box. The left sidebar contains a list of navigation options: General, Cost Summary, Categories, Cost Estimate Items, Variables, Adhoc Pricing, Non-Construction Costs, Markups, and Annualization. The main content area is divided into two sections: 'Parent Attributes' and 'Estimate Information'. The 'Parent Attributes' section includes fields for Associated Type, Project, Entity, Entity Description, Spec Book, Unit System, Improvement Type, and Work Type. The 'Estimate Information' section includes fields for Cost Estimate Name, Cost Estimate Descr, Estimate Phase, Estimated By, Cost Estimate Total, Previous Snapshot Total, Design Build, Profile, Budget Class, Lanemiles, Estimate Type, and Vendor Access.

2. Select “New”

The screenshot shows the 'Item Pricing Worksheet' page. The top navigation bar includes 'Home', 'Previous', 'My Pages', 'Actions', 'Help', and 'Log off'. The left sidebar contains 'Overview', 'Cost Estimate', and 'Cost Estimate Items'. The main content area shows the 'Item Pricing Worksheet' for 'Cost Estimate: 0103-0277TEST - Big Bridge over small river'. A search bar is present with the text 'Type search criteria or press Enter'. Below the search bar, the 'Total Cost Estimate Items' is displayed as '0.00'. A table of items is shown with columns: Cat ID, Line, Item, Descr, Unit, Quantity, Unit Price, Est Amt, Supp Descr, and Active. The first row is highlighted with a red box, and the 'New' button is highlighted in the bottom left corner.

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Est Amt	Supp Descr	Active
1000	10	3100012	C.L. POWER CO dba EVERSOURCE ENERGY-ELECTRICAL DISTRIBUTION	LS	1.000				Yes

3. Select Category/Funding Source

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save ?

Q Type search criteria or press Enter ItemNumLH

Total Cost Estimate Items
0.00

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Pr...
0001		80FED20STATE							
0002		100STATE							
8888		NON-CONTRACT ITEMS							

Showing 3 of 3

4. Enter proper Item number or search for item description

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save ?

Q Type search criteria or press Enter System Default Showing 1 of 1

Total Cost Estimate Items
0.00

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Active
8888	10	3100012	C.L. POWER CO. dba EVERSOURCE ENERGY: ELECTRICAL DISTRIBUTION	LS	1.000				Yes
		8201001	CLEARING AND GRUBBING	LS					Yes

New Select Items...

Showing 1 of 1

5. Enter quantity

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Save Complete X

Item Pricing Worksheet Save ?

Q Type search criteria or press Enter System Default Showing 2 of 2

Total Cost Estimate Items
0.00

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Active
8888	10	3100012	C.L. POWER CO. dba EVERSOURCE ENERGY: ELECTRICAL DISTRIBUTION	LS	1.000				Yes
	20	8201001	CLEARING AND GRUBBING	LS	1.000				Yes

New Select Items...

Showing 2 of 2

- Double click on "Supp Descr" if required
- Enter ** See Special Provisions ** (1)
- Select Apply (2)
- Please note that the text must match (two asterisks, space, See Special Provisions, space, two asterisks) exactly. Any other data in this field will generate an error. (3)
- Select Save

HomePreviousMy Pages

ActionsHelpLog off

OverviewCost EstimateCost Estimate Items

Item Pricing Worksheet

Item Pricing WorksheetSave?

Type search criteria or press EnterSystem Default

Total Cost Estimate Items

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Est Amt	Supp Descr	Active
	8201001		CLEARING AND GRUBBING	LS	1.000				

NewSelect Items...

Showing 0 of 0

HomePreviousMy Pages

ActionsHelpLog off

OverviewCost EstimateCost Estimate Items

Item Pricing Worksheet

Item Pricing WorksheetSave?

Type search criteria or press EnterSystem Default

Total Cost Estimate Items

Supp Descr

** See Special Provisions **

Apply

Showing 0 of 0

HomePreviousMy PagesIMPL

ActionsHelpLog off

OverviewCost EstimateCost Estimate Items

Item Pricing Worksheet

Cost Estimate: 0001-1111-01 - NONAGE TESTSave Complete

Project: 0001-1111

Type search criteria or press EnterSystem Default

Total Cost Estimate Items

1,314,287.09

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Est Amt	Price Source	Supp Descr	Active
0001 - BPFED000STE	1	050036	ASPHALTIC PLUG EXPANSION JOINT SYSTEM	s.f.	2,500.000	487.31000	1,193,275.00	Regression		
0001 - BPFED000STE	2	0707001	MEMBRANE WATERPROOFING (ROVEN GLASS FABRIC)	S.F.	102.000	138.16000	14,102.36	Regression		
0001 - BPFED000STE	3	0406172	HMA SS.275	sqm	90.000	324.35000	29,191.50	Regression		
0001 - BPFED000STE	4	0406102	GUTTER LINE SEALING FOR BRIDGES	LI	1,000.000	14.58000	14,580.00	Regression		
0001 - BPFED000STE	5	0406206	MATERIAL FOR TACK COAT	gal	16.500	36.53000	586.24	Regression		
0001 - BPFED000STE	6	0406008	REMOVAL OF EXISTING WEARING SURFACE	S.F.	333.600	71.82000	23,861.97	Regression		
0001 - BPFED000STE	7	050041	PREFORMED JOINT SEAL	LI	800.000	127.01000	63,508.00	Regression		

NewSelect Items...

Showing 7 of 7

Cost Estimate: 0001-1111-01 - NONAGE TEST

General

Cost Summary: 1,314,267.09

Cost Estimate Items

Incidentals and Contingencies

Categories

Markups

1 error. [Hide details.](#)

- Supplemental Description: Text value must match ** See Special Provisions **

Line	Item	Type	Detail	Active
3	0406172 HMA S0 375	Unit		Yes
Quantity	90.000	ton	324.35000	29,191.50

Item: 0406172
HMA S0 375

Unit of Measure: ton

Supplemental Description: ** See Special Provisions **

Regular expression not found

Price Source: Active

Regression

Price Summary

Quantity	Price	Ext Amt
90.000	324.35000	29,191.50

Contribute to Total Construction Cost

Exclude from Reference Price Calculation

Nonbid

Preliminary Engineering

Design Unit Owner

Prequalification Work Type

Home Previous My Pages

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

There are unsaved changes.

Item Pricing Worksheet

Save

Type search criteria or press Enter System Default Showing 2 of 2

Total Cost Estimate Items

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Active
888	10	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY: ELECTRICAL DISTRIBUTION	LS	1.000				Yes
0097	20	0201001	CLEARING AND GRUBBING	LS	1.000				Yes
0097	30	0900020	CONSTRUCTION SURVEYING	LS	1.000				Yes

New Select Items...

Showing 2 of 2

Add Multiple Cost Estimate Items

1. Scroll to the bottom of the estimate and Click "Select Items"

Home Previous My Pages

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet

Save

Type search criteria or press Enter System Default Showing 3 of 3

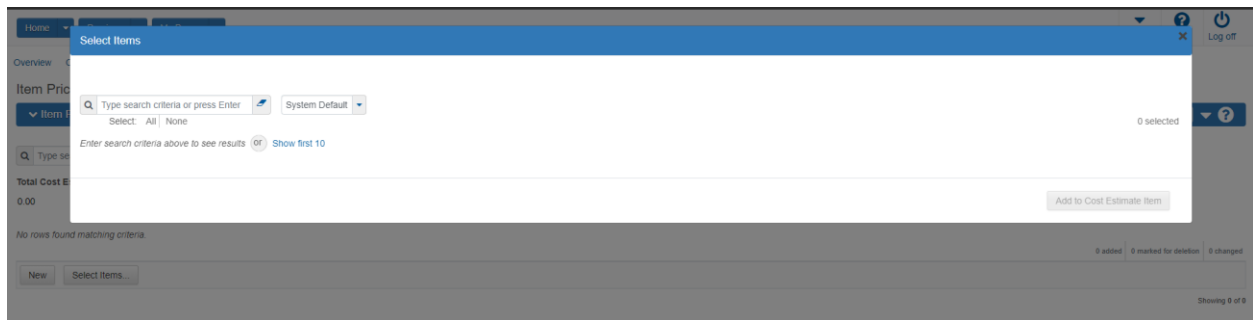
Total Cost Estimate Items

0.00

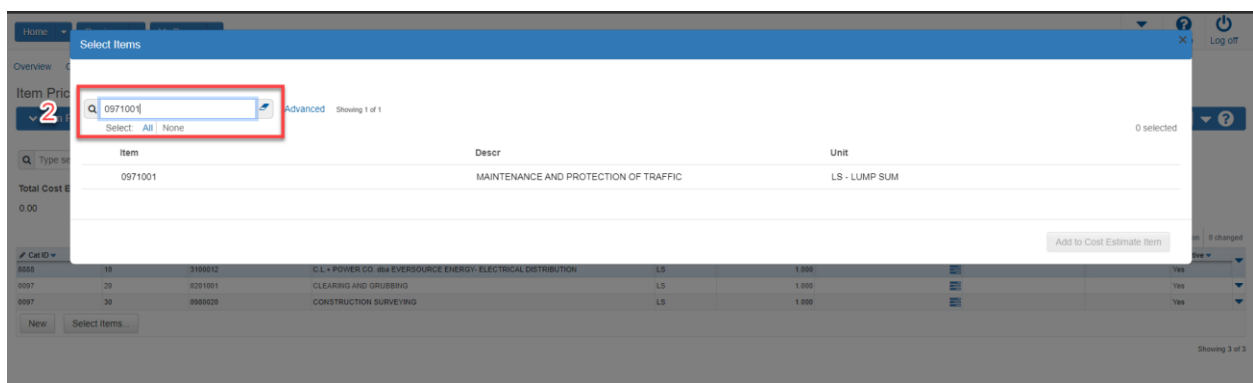
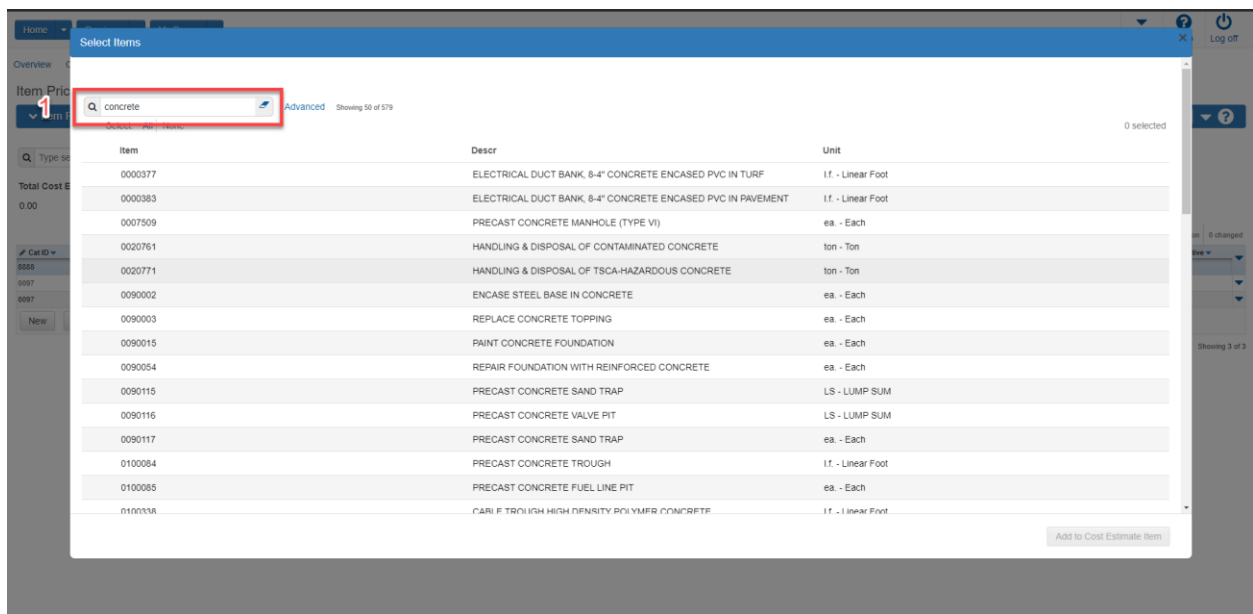
Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Active
888	10	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY: ELECTRICAL DISTRIBUTION	LS	1.000				Yes
0097	20	0201001	CLEARING AND GRUBBING	LS	1.000				Yes
0097	30	0900020	CONSTRUCTION SURVEYING	LS	1.000				Yes

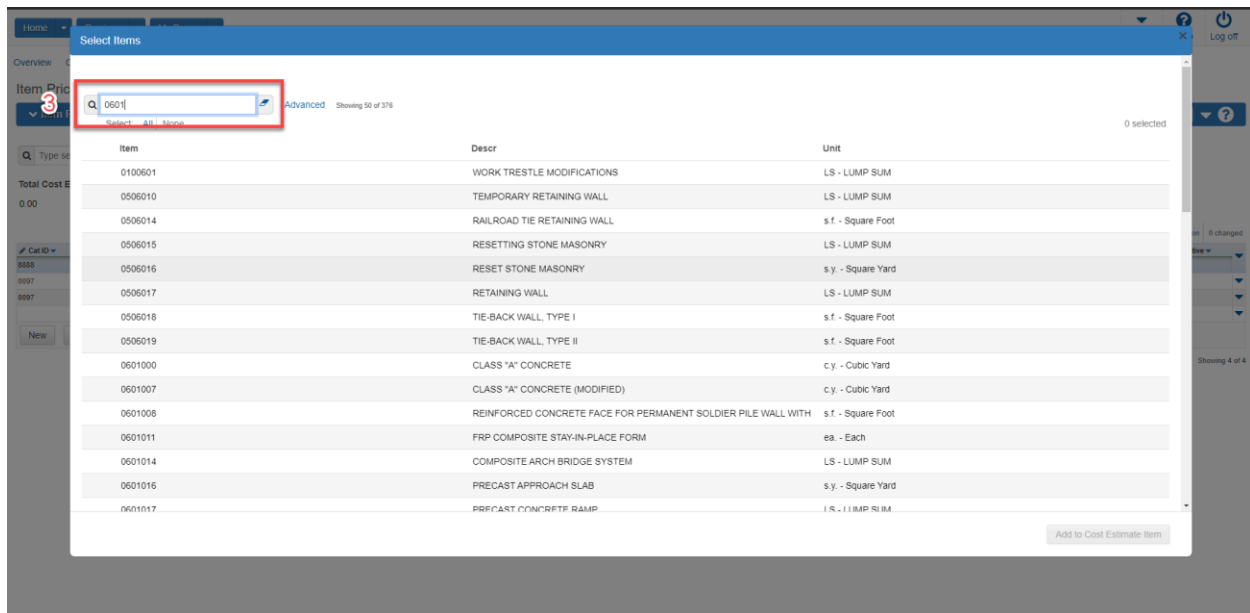
New Select Items...

Showing 3 of 3

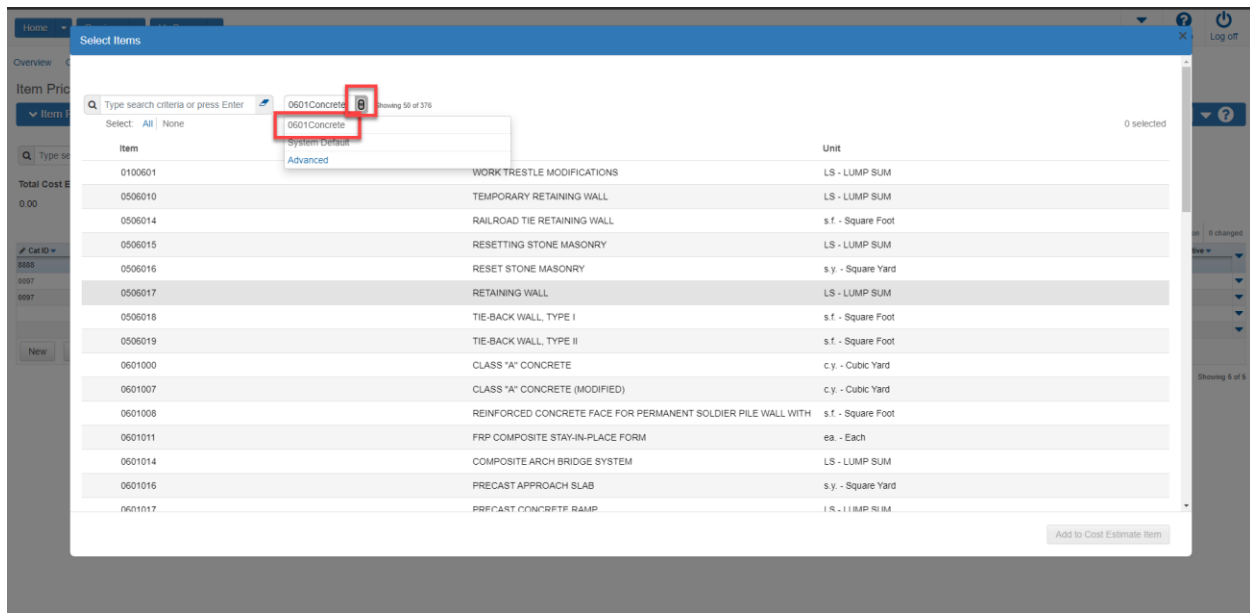


2. Search for item description (1) , item number (2) or portion of an item number (3)

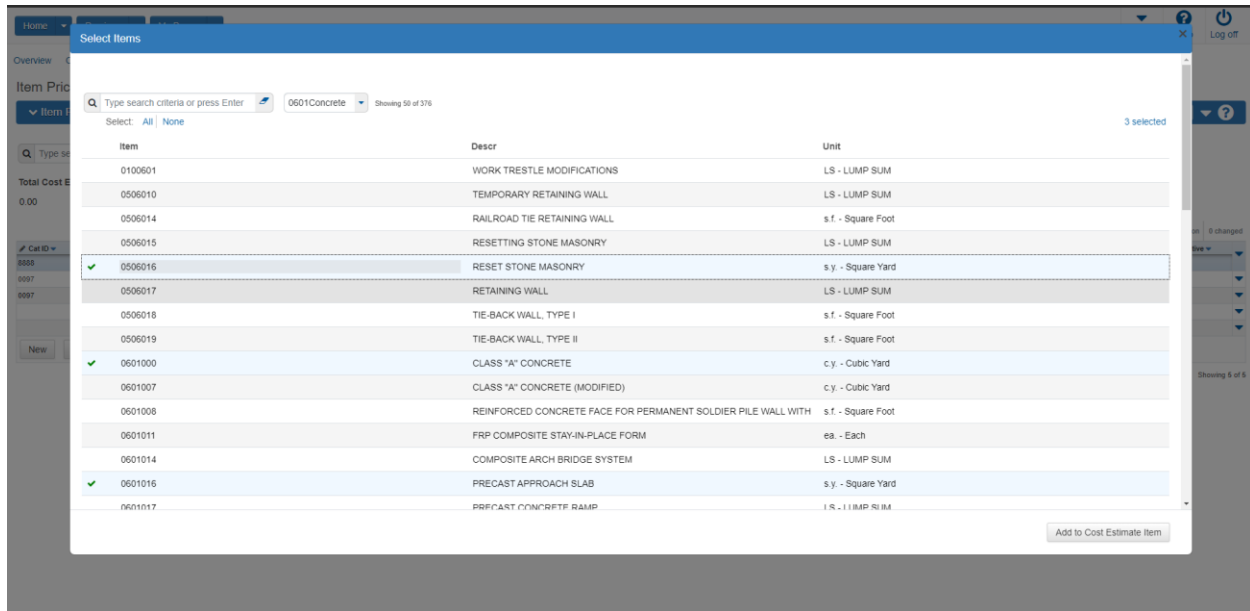




3. Users can also search for groups of items using filter functions



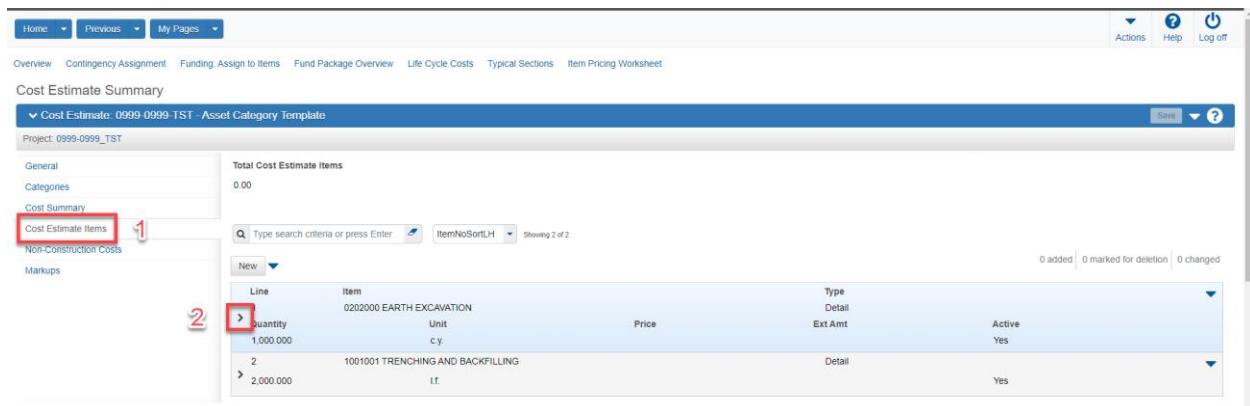
4. Select multiple items as needed



Item Grouping by Design Unit Owner

Cost estimates may contain items from separate design units. Estimation allows designers to classify estimate item ownership using the “Design Unit Owner” field in the Cost Estimate Items tab. After assignment, items can be filtered and identified by design unit ownership.

1. Navigate to Cost Estimate Summary screen
2. Select Cost Estimate Items (1)
3. Select Item (2)



4. Select Design Unit Owner field dropdown arrow (1)
5. Select proper design unit owner (2)
6. Select Save (3)

Cost Estimate: 0999-0999-TST - Asset Category Template

Non-Construction Costs

Markups

New

Line 1

Item 0202000 EARTH EXCAVATION

Unit c.y.

Price

Type Detail

Ext Amt

Active Yes

Quantity 1,000.000

Item 0202000 EARTH EXCAVATION

Unit of Measure c.y.

Supplemental Description

Price Source

Active

Price Summary

Quantity 1,000.000

Price

Ext Amt

Contribute to Total Construction Cost

Exclude from Reference Price Calculation

Nonbid

Design Build

Lump Sum

Preliminary Engineering

Design Unit Owner

BRGDGN - Bridge Design

FCLTRNS - Facilities and Transit

HWYDGN - Highway Design

TRFENG - Traffic Engineering

Parent Typical Section

Users can activate cost estimate “Design Unit Owner” item filters by following these simple procedures:

1. Select dropdown adjacent to search field (1)
2. Select proper “Design Unit Owner” (2)
3. System will display only items assigned to the filter selected.

Home Previous My Pages Save Complete

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet

Cost Estimate Summary

Cost Estimate: 0999-0999-TST - Asset Category Template

Project: 0999-0999-TST

General

Categories

Cost Summary

Cost Estimate Items

Non-Construction Costs

Markups

Total Cost Estimate Items 0.00

Search Type search criteria or press Enter

New

Line 1

Item 0202000 EARTH EXCAVATION

Unit c.y.

Price

Type Detail

Ext Amt

Active Yes

Quantity 1,000.000

Item 0202000 EARTH EXCAVATION

Unit of Measure c.y.

Supplemental Description

Price Source

Active

Price Summary

Quantity 1,000.000

Price

Ext Amt

Contribute to Total Construction Cost

Exclude from Reference Price Calculation

Nonbid

Design Build

Lump Sum

Preliminary Engineering

Design Unit Owner

BRGDGN - Bridge Design

FCLTRNS - Facilities and Transit

HWYDGN - Highway Design

TRFENG - Traffic Engineering

Parent Typical Section

Users can also apply the “Design Unit Owner” item assignment to multiple items at time by following the steps below:

1. Select item accordion arrow to active dropdown (1)
2. Select action item arrow adjacent to “Design Unit Owner” field (2)

Cost Estimate: 0777-0777-IST - TEST

4 0601062 FOOTING CONCRETE Detail Yes

250.000 c.y.

Line Item Type
Quantity 100.000 Unit c.y. Price Ext Amt Active Yes

Item 0601064 ABUTMENT AND WALL CONCRETE Unit of Measure c.y.

Supplemental Description

Price Source Active

Price Summary
Quantity 100.000 Price Ext Amt

Contribute to Total Construction Cost

Exclude from Reference Price Calculation

Nonbid

Design Build No

Lump Sum No

Bid as Lump Sum No

Cost Estimate Category ID

Preliminary Engineering

Design Unit Owner BRDGN - Bridge Design

Prequalification Work Type

Parent Parametric Item

Parent Typical Section

Item Alternate Set

Item Alternate Member

3. Select the number of rows (down or up), all displayed rows, or all rows (1)
4. Click Save (2)

Cost Estimate: 0777-0777-IST - TEST

4 0601062 FOOTING CONCRETE Detail Yes

250.000 c.y.

Line Item Type
Quantity 100.000 Unit c.y. Price Ext Amt Active Yes

Item 0601064 ABUTMENT AND WALL CONCRETE Unit of Measure c.y.

Supplemental Description

Price Source Active

Price Summary
Quantity 100.000 Price Ext Amt

Contribute to Total Construction Cost

Exclude from Reference Price Calculation

Nonbid

Design Build No

Lump Sum No

Bid as Lump Sum No

Cost Estimate Category ID

Preliminary Engineering

Design Unit Owner

Range Fill

1 Rows Down Up

or

All 10 Displayed Rows

All 10 Rows

Fill

Item Alternate Set

Item Alternate Member

Non-Bid Items – Utilities, State Police and Work by State Forces

All non-bid items that are added to the estimate must not contribute to the total construction costs. Prior to building project items, the “Contribute to Total Construction Costs” checkbox must be unselected and the "Exclude from Reference Price Calculation" activated for all non-bid items.

1. Navigate to “Cost Estimate Items”

Home Previous My Pages

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet

Cost Estimate Summary

Cost Estimate: PP08-8888-TEST - Test Proof of Concept - Cost Estimate...Please do not delete...JTK Sept 12, 2024 Save ?

Concept: PP08-8888-TEST

General

Cost Summary

Cost Estimate Items

Item Pricing Worksheet

Incidentals and Contingencies

Markups

Categories

Parent Attributes

Associated Type
Concept

Entity
PP08-8888-TEST

Entity Description
Test Proof of Concept... Please do not Delete... JTK Sept 12,

Spec Book
11

Unit System
English

Improvement Type

Work Type

Estimate Information

Cost Estimate Name
PP08-8888-TEST

Cost Estimate Descr
Test Proof of Concept - Cost Estimate... Please do not delete... JTK Sept 12, 2024

Estimate Phase
01 - Programming

Design Build
☐

Profile
No

Lanemiles

2. Filter Non-Bid Items by selecting dropdown arrow (1)
3. Select 8888 items (2)

Home Previous My Pages

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet

Cost Estimate Summary

Cost Estimate: PP08-8888-TEST - Test Proof of Concept - Cost Estimate...Please do not delete...JTK Sept 12, 2024 Save ?

Concept: PP08-8888-TEST

General
Cost Summary
Cost Estimate Items
Item Pricing Worksheet
Incidentals and Contingencies
Markups
Categories

Total Cost Estimate Items
1,110,470.30

Q Type search criteria or press Enter System Default show 1 of 7

2 8888Items

New	Item	Description	Unit	Quantity	Unit Price	Total Price	Detail	Yes	No
1	0603061 STRUCTURAL	80CMINLS	Detail						
>	1.000	LS	BRGDGNFilter	250,000.00			Yes		
2	0503001 REMOVAL OF	HWYDGNFilter	Detail						
>	1.000	LS	ItemNoSortLH	150,000.00			Yes		
3	0020801 ASBESTOS AB	NonBidFilter	Detail						
>	1.000	LS	TRFENGFilter	50,000.00			Yes		
4	0602030 DEFORMED S	System Default	Detail						
>	2,000.000	lb.	2.45000	4,900.00			Yes		
5	0601318 PARTIAL DEPTH PATCH		Detail						
>	330.000	c.f.	319.91000	105,570.30			Yes		
6	0975004 MOBILIZATION AND PROJECT CLOSEOUT		Detail						

0 added | 0 marked for deletion | 0 changed

4. Remove "Contribute to Total Construction Cost" checkmark. (1)
5. Activate "Exclude from Reference Price Calculation" (2)
6. Ensure "Nonbid" checkbox is activated (3)
7. Click Save (4)

Home

Previous

My Pages

There are unsaved changes.

Actions

Help

Log off

Overview

Contingency Assignment

Funding Assign to Items

Fund Package Overview

Life Cycle Costs

Typical Sections

Item Pricing Worksheet

Cost Estimate Summary

Cost Estimate: PP08-8888-TEST - Test Proof of Concept - Cost Estimate...Please do not delete...JTK Sept 12, 2024

4

Save

?

Concept: PP08-8888-TEST

General

Cost Summary

Cost Estimate Items

Item Pricing Worksheet

Incidentals and Contingencies

Markups

Categories

Total Cost Estimate Items

1,110,470.30

Q

Type search criteria or press Enter

8888Items

Showing 1 of 1

New

0 added | 0 marked for deletion | 1 changed

Line	Item	Type	Quantity	Unit	Price	Ext Amt	Active
7	3100012 C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DISTRIBUTION	Detail	1.000	LS	50,000.00000	50,000.00	Yes

Item

Q 3100012

C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DISTRIBUTION

Unit of Measure

LS

Supplemental Description

Price Source

Ad Hoc

Active

Yes

Price Summary

Quantity

1.000

Price

50,000.00000

Ext Amt

50,000.00

Contribute to Total Construction Cost

☐

Exclude from Reference Price Calculation

☒

Nonbid

☒

Design Build

No

Lump Sum

Yes

Bid as Lump Sum

Yes

Cost Estimate Category ID

Q 8888

Non-Contract Items

Preliminary Engineering

☐

Design Unit Owner

Prequalification Work Type

Parent Parametric Item

Q Begin typing to search or press Enter

Parent Typical Section

Item Alternate Set

Item Alternate Member

Low Cost

Yes

Remarks

Type

Remark

Common Lump Sum Items

All common lump sum items that are added to the estimate must contribute to the total construction costs. Prior to building project items, the "Contribute to Total Construction Costs" and "Exclude from Reference Price Calculation" checkbox must be activated.

1. Navigate to "Cost Estimate Items"

Home Previous My Pages Actions Help Log off

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet

Cost Estimate Summary

▼ Cost Estimate: PP08-8888-TEST - Test Proof of Concept - Cost Estimate...Please do not delete...JTK Sept 12, 2024 Save ?

Concept: PP08-8888-TEST

General
Cost Summary
Cost Estimate Items
Item Pricing Worksheet
Incidentals and Contingencies
Markups
Categories

▼ Parent Attributes

Associated Type	Unit System
Concept	English
Entity	Improvement Type
PP08-8888-TEST	
Entity Description	Work Type
Test Proof of Concept...Please do not Delete...JTK Sept 12,	
Spec Book	
11	

▼ Estimate Information

Cost Estimate Name	Design Build
PP08-8888-TEST	<input type="checkbox"/>
Cost Estimate Descr	Profile
Test Proof of Concept - Cost Estimate...Please do not delete...JTK Sept 12, 2024	No
Estimate Phase	Lanemiles
01 - Programming	

2. Locate Common Lump Sum Items
3. Ensure "Contribute to Total Construction Cost" is activated (1)
4. Activate "Exclude from Reference Price Calculation" (2)
5. Select "Save" (3)

Cost Estimate Summary

Cost Estimate: PP08-8888-TEST - Test Proof of Concept - Cost Estimate...Please do not delete...JTK Sept 12, 2024

3 Save ?

Concept: PP08-8888-TEST

General
Cost Summary
Cost Estimate Items
Item Pricing Worksheet
Incidentals and Contingencies
Markups
Categories

Total Cost Estimate Items

1,110,470.30

Type search criteria or press Enter System Default Showing 7 of 7

New 0 added 0 marked for deletion 0 changed

1	0603061 STRUCTURAL STEEL (SITE NO. 1)	Detail			
> 1.000	LS	250,000.00000	250,000.00	Yes	
2	0503001 REMOVAL OF SUPERSTRUCTURE	Detail			
> 1.000	LS	150,000.00000	150,000.00	Yes	
3	0020801 ASBESTOS ABATEMENT	Detail			
> 1.000	LS	50,000.00000	50,000.00	Yes	
4	0602030 DEFORMED STEEL BARS - GALVANIZED	Detail			
> 2,000.000	lb.	2.45000	4,900.00	Yes	
5	0601318 PARTIAL DEPTH PATCH	Detail			
> 330.000	c.f.	319.91000	105,570.30	Yes	
Line	Item	Type			
6	0975004 MOBILIZATION AND PROJECT CLOSEOUT	Detail			
> Quantity	Unit	Price	Ext Amt	Active	
1.000	LS	500,000.00000	500,000.00	Yes	

Item 0975004 Unit of Measure LS
MOBILIZATION AND PROJECT CLOSEOUT

Supplemental Description

Price Source Active
Ad Hoc

Price Summary
Quantity Price Ext Amt
1.000 x 500,000.00000 = 500,000.00

1 ☒ Contribute to Total Construction Cost

2 ☒ Exclude from Reference Price Calculation

☐ Nonbid

☐ Design Build

☐ Lump Sum

☐ Bid as Lump Sum

Cost Estimate Category ID

Preliminary Engineering

Design Unit Owner

Prequalification Work Type

Parent Parametric Item

Parent Typical Section

Item Alternate Set

Item Alternate Member

Low Cost

Remarks
Type Remark

7	3100012 C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DI	Detail			
> 1.000	LS	50,000.00000	50,000.00	Yes	

Add Common Lump Sum Item Reference Price

1. Navigate to the Item Pricing Worksheet

Home Previous My Pages

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections **Item Pricing Worksheet**

Cost Estimate Summary

Cost Estimate: 0999-0999-TST - Cost Estimate for Training. Created 8/3/23 by James Kocaba. Please do not delete.

Project: 0999-0999-TST

General

Categories

Cost Summary

Cost Estimate Items

Non-Construction Costs

Markups

Parent Attributes

Associated Type

Project

Entity

0999-0999-TST

Entity Description

Test project created by James Kocaba for Estimation training

Spec Book

11

Unit System

English

Improvement Type

Work Type

Estimate Information

Cost Estimate Name

0999-0999-TST

Cost Estimate Descr

Cost Estimate for Training. Created 8/3/23 by James Kocaba. Please do not delete.

Estimate Phase

01 - Programming

Estimated By

CONNDOT\kocaba.j

Kocaba, James

Cost Estimate Total

Design Build

Profile

No

Budget Class

Lanemiles

Estimate Type

Maint. Source

2. Select the three blue bar icon in the unit price field of the common lump sum item (1)

3. Select the "Reference Hyperlink" (2)

Home Previous My Pages

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet

Cost Estimate Summary

Cost Estimate: PP08-8888-TEST - Test Proof of Concept - Cost Estimate...Please do not delete...JTK Sept 12, 2024

Concept: PP08-8888-TEST

General

Cost Summary

Cost Estimate Items

Item Pricing Worksheet

Incidentals and Contingencies

Markups

Categories

Type search criteria or press Enter

ItemNoSortLH

Showing 8 of 8

Total Cost Estimate Items

1,316,470.30

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext.Amt	P...	Supp Descr	A...
0001	3	0020801	ASBESTOS ABATEMENT	LS	1.000	50,000.00000	50,000.00	Ad ...	Yes	
0001	2	0503001	REMOVAL OF SUPERSTRUCTURE	LS	1.000	351,000.00000	351,000.00	Ad ...	Yes	
0001	8	0503151	REMOVAL OF SUPERSTRUCTURE (SITE NO. 1)	LS	1.000	5,000.00000	5,000.00	Ad ...	Yes	
0001	5	0601318	PARTIAL DEPTH PATCH	c.f.	330.000	319.91000	105,570.30	Regr...	Yes	
0001	4	0602030	DEFORMED STEEL BARS - GALVANIZED	lb.	2,000.000	2.45000	4,900.00	Regr...	Yes	
0001	1	0603061	STRUCTURAL STEEL (SITE NO. 1)	LS	1.000	250,000.00000	250,000.00	Ad ...	Yes	
0001	6	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000	500,000.00000	500,000.00	Ad ...	Yes	
8888	7	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL D				50,000.00	Ad ...	Yes	

New Select Items

Method

Bid Based

Reference

Cost Based

Maintain Item Price Task

Showing 8 of 8

4. Select New (1)

5. Enter reference description. For example 8% of total estimate (2)

6. Enter percentage in the "Percent on top" field. Use of this field will exclude all other percentage based items from the calculation, such as M&PT, Mobilization and Construction Surveying (3)

7. Select the "Active" checkbox (4)

8. Click Save (5)

Home Previous My Pages Actions Help Log off

Cost Estimate Items Item Pricing Worksheet Task Groups

Reference Price Task Summary

Cost Estimate: PP08-8888-TEST - Test Proof of Concept - Cost Estimate...Please do not delete...JTK Sept 12, 2024 **5** Save ?

Item Information

Line	
6	
Item	Quantity
0975004 MOBILIZATION AND PROJECT CLOSEOUT	1.000
Supplemental Description	Unit of Measure
	LS - LUMP SUM
	Price
	0.00000

Type search criteria or press Enter Advanced

The previously highlighted row is not in the current search results. Show previously highlighted row. ✖

New 1

1 added 0 marked for deletion 0 changed

Price Task	Description	Active	Type	Task Unit Price
Price Task	8% of total cost estimate	Yes		
Reference Price			Use Historical Price	
			<input type="checkbox"/>	
Description	Amount		Percent of	
8% of total cost estimate				
Item ID			Percent on top	
			8.00	
Spec Book			Active	
			<input checked="" type="checkbox"/>	
Task Group				

Begin typing to search or press Enter

9. Price is calculated.

Home Previous My Pages Actions Help Log off

Cost Estimate Items Item Pricing Worksheet Task Groups

Reference Price Task Summary

Cost Estimate: PP08-8888-TEST - Test Proof of Concept - Cost Estimate...Please do not delete...JTK Sept 12, 2024 Save ?

Item Information

Line	
6	
Item	Quantity
0975004 MOBILIZATION AND PROJECT CLOSEOUT	1.000
Supplemental Description	Unit of Measure
	LS - LUMP SUM
	Price
	314,874.97000

Type search criteria or press Enter Advanced Showing 1 of 1

New

0 added 0 marked for deletion 0 changed

Price Task	Description	Active	Type	Task Unit Price
Ref001	8% of total cost estimate	Yes	Percent on top	314,874.97000
Price Task			Use Historical Price	

Calculate Bid Based Unit Prices for All Items

There are several methods to price items in Estimation. Items can be priced individually, or the entire estimate can be priced all at once. It is recommended that all item prices be updated every six months or at every milestone cost estimate. After an entire cost estimate price refresh, it is also recommended that a snapshot be created and saved for historical purposes. The snapshot description should contain both a reason and date. See Snapshots and Cost Estimate Phase Transition topic for more details. AASHTOWare Project Estimation calculates all item pricing based upon current bid history values. When a letting is more than a year from when the estimate is prepared, an inflation adjustment should be included. Please see the Inflation topic for more details.

1. Navigate to the item pricing worksheet from the Cost Estimate summary page

Home Previous My Pages

Overview Contingency Assignment Funding: Assign to Items Fund Package Overview Life Cycle Costs Typical Sections **Item Pricing Worksheet** Actions Help Log off

Cost Estimate Summary

▼ Cost Estimate: 0999-0999-TST - Cost Estimate for Training Created 8/3/23 by James Kocaba Please do not delete. Save ?

Project: 0999-0999-TST

General

Categories

Cost Summary

Cost Estimate Items

Non-Construction Costs

Markups

Parent Attributes

Associated Type

Project

Entity

0999-0999-TST

Entity Description

Test project created by James Kocaba for Estimation training

Spec Book

11

Unit System

English

Improvement Type

Work Type

Estimate Information

Cost Estimate Name

0999-0999-TST

Cost Estimate Descr

Cost Estimate for Training Created 8/3/23 by James Kocaba Please do not delete.

Estimate Phase

01 - Programming

Estimated By

CONNDOT\kocaba.j

Kocaba James

Cost Estimate Total

Design Build

☐

Profile

No

Budget Class

01 - Programming

Lanemiles

Estimate Type

No

Vendor Access

2. Pricing all estimate items can be accomplished selecting the action arrow to the right of the save button (1)
3. Select "Calculate Bid Based Prices for all items" (2)

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save ?

Q Type search criteria or press Enter ItemNumLH Showing 8 of 8

Total Cost Estimate Items
1,012,037.34

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Pri...
0001	3	0020001	ASBESTOS ABATEMENT	LS	1.000	50,000.00	50,000.00	Ad Hoc	
0001	2	0503001	REMOVAL OF SUPERSTRUCTURE	LS	1.000	351,000.00	351,000.00	Ad Hoc	
0001	8	0503151	REMOVAL OF SUPERSTRUCTURE (SITE NO. 1)	LS	1.000	5,000.00	5,000.00	Ad Hoc	
0001	5	0601318	PARTIAL DEPTH PATCH	c.f.	330.000	0.00	0.00	Ad Hoc	
0001	4	0602030	DEFORMED STEEL BARS - GALVANIZED	lb.	2,000.000	0.00	0.00	Ad Hoc	
0001	1	0603061	STRUCTURAL STEEL (SITE NO. 1)	LS	1.000	250,000.00	250,000.00	Ad Hoc	
0001	6	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000	306,037.34	306,037.34	Refere	
8888	7	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DISTRIBUTION	LS	1.000	50,000.00	50,000.00	Ad Hoc	

New Select Items...

Actions

There are no actions available.

Tasks

- Calculate Bid Based Prices for all items
- Combine Like Cost Estimate Items
- Combine Like Cost Estimate Items And Calculate ...
- Cost Estimate Item Cleanup
- Export Cost Estimates
- Select Cost Based Prices to Calculate Bid Based...

Views

- Attachments (0)
- Issues
- Links

Reports

- Cost Estimate Budget Class Report
- Cost Estimate Contingency Report
- Cost Estimate Formula Information Report
- Cost Estimate Scope Tracking Report
- Cost Estimate Summary Report
- Design Build Estimate Report
- Prequalification Work Type Report

https://cldot-pr-prod.infotechinc.com/CostEstimate/232/EntityIssueOverview

- Calculate Bid-Based Prices operation will begin. Please be patient with this step in the process. Large estimates may require 10 to 15 minutes to complete item pricing calculations.

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Calculate Bid-Based Prices Process started at 11/14/2024 13:15:24. Save ?

Q Type search criteria or press Enter ItemNumLH Showing 8 of 8

Total Cost Estimate Items
1,012,037.34

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Pri...
0001	3	0020001	ASBESTOS ABATEMENT	LS	1.000	50,000.00000	50,000.00	Ad Hoc	
0001	2	0503001	REMOVAL OF SUPERSTRUCTURE	LS	1.000	351,000.00000	351,000.00	Ad Hoc	
0001	8	0503151	REMOVAL OF SUPERSTRUCTURE (SITE NO. 1)	LS	1.000	5,000.00000	5,000.00	Ad Hoc	
0001	5	0601318	PARTIAL DEPTH PATCH	c.f.	330.000	0.00000	0.00	Ad Hoc	
0001	4	0602030	DEFORMED STEEL BARS - GALVANIZED	lb.	2,000.000	0.00000	0.00	Ad Hoc	
0001	1	0603061	STRUCTURAL STEEL (SITE NO. 1)	LS	1.000	250,000.00000	250,000.00	Ad Hoc	
0001	6	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000	306,037.34000	306,037.34	Refere	
8888	7	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DISTRIBUTION	LS	1.000	50,000.00000	50,000.00	Ad Hoc	

New Select Items...

Showing 8 of 8

- Non-lump sum items will be priced automatically. Users may refresh the browser to view item pricing progress.

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save ?

Search [Type search criteria or press Enter] ItemNumLH Showing 8 of 8

Total Cost Estimate Items
1,139,339.64

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Pri...
0001	3	0020001	ASBESTOS ABATEMENT	LS	1.000	50,000.00000	50,000.00	Ad Hoc	
0001	2	0503001	REMOVAL OF SUPERSTRUCTURE	LS	1.000	351,000.00000	351,000.00	Ad Hoc	
0001	6	0503151	REMOVAL OF SUPERSTRUCTURE (SITE NO. 1)	LS	1.000	5,000.00000	5,000.00	Ad Hoc	
0001	7	0601318	PARTIAL DEPTH PATCH	c.f.	330.000	325.25000	107,332.50	Regr...	
0001	8	0602030	DEFORMED STEEL BARS - GALVANIZED	lb.	2,000.000	5.27000	10,540.00	Regr...	
0001	1	0603061	STRUCTURAL STEEL (SITE NO. 1)	LS	1.000	250,000.00000	250,000.00	Ad Hoc	
0001	4	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000	315,467.14000	315,467.14	Refere...	
8888	5	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DISTRIBUTION	LS	1.000	50,000.00000	50,000.00	Ad Hoc	

New Select Items...

Showing 8 of 8

Calculate Bid Based Unit Prices for Individual Items

Single items added in between bi-annual or milestone estimate updates can be priced individually. Please follow the steps below for item pricing procedures.

1. Navigate to the item pricing worksheet from the Cost Estimate summary page

Home Previous My Pages Actions Help Log off

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections **Item Pricing Worksheet**

Cost Estimate Summary

Cost Estimate: 0999-0999-TST - Cost Estimate for Training. Created 8/3/23 by James Kocaba. Please do not delete. Save ?

Project: 0999-0999-TST

General

Categories

Cost Summary

Cost Estimate Items

Non-Construction Costs

Markups

Parent Attributes

Associated Type

Project

Entity

Entity Description

Spec Book

Estimate Information

Cost Estimate Name

Cost Estimate Descr

Estimate Phase

Estimated By

Cost Estimate Total

Unit System

English

Improvement Type

Work Type

Design Build

Profile

Budget Class

Lanemiles

Estimate Type

2. Pricing individual estimate items can be accomplished selecting the three staked blue bars in the item unit price field (1)
3. Ensure the active checkmark box is active (2)
4. Select calculate price (3)

5. Select "Save"

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet 4 Save ?

Type search criteria or press Enter ItemNumLH Showing 8 of 8

Total Cost Estimate Items
1,023,420.54

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Pri...
0001	3	0020801	ASBESTOS ABATEMENT	LS	1.000	50,000.00000	50,000.00	Ad Hoc	
0001	2	0503001	REMOVAL OF SUPERSTRUCTURE	LS	1.000	351,000.00000	351,000.00	Ad Hoc	
0001	6	0503151	REMOVAL OF SUPERSTRUCTURE (SITE NO. 1)	LS	1.000	5,000.00000	5,000.00	Ad Hoc	
0001	8	0601318	PARTIAL DEPTH PATCH	c.f.	300.000			Regre...	
0001	7	0602030	DEFORMED STEEL BARS - GALVANIZED	b.	Method	Price	10,540.00	Regre...	
0001	1	0603061	STRUCTURAL STEEL (SITE NO. 1)	LS			250,000.00	Ad Hoc	
0001	4	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS			306,880.54	Refere...	
8888	5	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY-ELECTRICAL DISTRIBUTION	LS	Bid Based		50,000.00	Ad Hoc	

New Select Items...

Showing 8 of 8

6. Save is complete and item price is established

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Price Calculation Completed X

Item Pricing Worksheet Save ?

Type search criteria or press Enter ItemNumLH Showing 8 of 8

Total Cost Estimate Items
1,130,991.78

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Pri...
0001	3	0020801	ASBESTOS ABATEMENT	LS	1.000	50,000.00000	50,000.00	Ad Hoc	
0001	2	0503001	REMOVAL OF SUPERSTRUCTURE	LS	1.000	351,000.00000	351,000.00	Ad Hoc	
0001	6	0503151	REMOVAL OF SUPERSTRUCTURE (SITE NO. 1)	LS	1.000	5,000.00000	5,000.00	Ad Hoc	
0001	8	0601318	PARTIAL DEPTH PATCH	c.f.	300.000	332.61000	99,603.00	Regre...	
0001	7	0602030	DEFORMED STEEL BARS - GALVANIZED	b.	2,000.000	5.27000	10,540.00	Regre...	
0001	1	0603061	STRUCTURAL STEEL (SITE NO. 1)	LS	1.000	250,000.00000	250,000.00	Ad Hoc	
0001	4	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000	314,848.78000	314,848.78	Refere...	
8888	5	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY-ELECTRICAL DISTRIBUTION	LS	1.000	50,000.00000	50,000.00	Ad Hoc	

New Select Items...

Showing 8 of 8

Add Contingency Percentage

Contingency is an element of estimated cost included to account for uncertainty and risk. The designer is responsible for ensuring that the proper percentage is entered based upon cost estimate phase.

1. Select Non-Construction Costs (1)
2. Select New (2)
3. Enter "Contingency" for name (3)
4. Enter "Contingency" for description (4)
5. Enter Percentage (5)
6. Select "Active" (6)
7. Select "Save" (7)

The screenshot displays the 'Cost Estimate Summary' page for 'INCIDENT - Asset Category Template'. The left sidebar contains a menu with 'Non-Construction Costs' highlighted (1). The main form area shows a 'New' button (2) to add a new item. Below this, the 'Non Construction Cost Name' field (3) and 'Non Construction Cost Description' field (4) are visible. The 'Percent of Total Estimate' dropdown (5) is set to a value. The 'Non Construction Cost Amount' field is also present. The 'Active' checkbox (6) is checked. The 'Save' button (7) is located at the top right of the form area.

Add Incidental Percentage

The Non-Construction Cost tab can be used to enter incidental cost values. The cost of Construction Engineering (CENG), which consists of the various activities required to administer the construction contract, including inspection, materials testing, construction phase design support and other functions. It includes state and consultant forces, when applicable. For state-awarded construction contracts, this “Incidental Cost” is estimated using a sliding scale percentage of the contract cost as shown in the Incidental Cost Percentage Chart. Please refer to the cost estimating guide for contract price ranges and the associated values.

1. Select Non-Construction Costs from the Cost Estimate Summary (1)
2. Select “New” (2)
3. Enter Non-Construction Cost Name (3)
4. Enter Non-Construction Cost Description (4)
5. Enter proper percentage (5)
6. Select the “Active” checkbox (6)
7. Click “Save” (7)

The screenshot shows the 'Cost Estimate Summary' interface. On the left, a sidebar contains a menu with items like 'General', 'Cost Summary', 'Categories', 'Cost Estimate Items', 'Variables', 'Ad-hoc Pricing', 'Non-Construction Costs' (highlighted with a red box and callout 1), 'Markups', 'Item Pricing Worksheet', and 'Annualization'. The main area displays a table with columns for 'Incidentals', 'INCID', '27,968.00', and 'Yes'. A 'New' button (callout 2) is located above the table. The table has a row for 'New Non Construction Cost' with fields for 'Non Construction Cost Name' (callout 3), 'Non Construction Cost Description' (callout 4), 'Percent of Total Estimate' (callout 5), 'Non Construction Cost Amount', and 'Active' (callout 6). A 'Save' button (callout 7) is in the top right corner.

Add Inflation

A cost estimate with a letting date more than one year from when the estimate is prepared should include an inflation adjustment. Inflation values progressively decrease as contracts move from programming to semi-final design and are removed entirely at the final design phase. The Inflation Parametric Item (005PARA) can be used to enter direct future inflation values. The steps for calculating and entering inflation values ad-hoc (manually) or as a reference percentage are shown below.

Except for contracts with durations of three years or more, the inflation adjustment factor is computed by determining the number of years between the estimate date (when estimate is prepared) and scheduled bid opening and multiplying this number by the annual inflation factor. For contracts with durations of three years or longer, compute the number of years from the estimate date to the mid-point of construction. An annual inflation rate of 6.5 percent per year (simple, not compound) should be used for 2023 and subsequent years. Inflation costs decrease as the cost estimate phases advance toward semi-final design and eventually are eliminated at final design. Example computations and process for AWP cost estimate incorporation to follow:

Inflation Example 1 (construction duration less than 3 years)

Estimate date: January 15, 2023

Scheduled bid opening (letting) date: November 15, 2024

Duration of construction contract: 2 years (midpoint: April 2026)

Estimated cost: \$1,500,000

Inflation: 6.5 percent

Estimated future/inflated cost = \$1,500,000 x (1.83x0.065) = \$178,425

Inflation Example 2 (construction duration more than 3 years)

Estimate date: January 15, 2023

Scheduled bid opening (letting) date: December 13, 2024

Duration of construction contract: 4 years (midpoint: April 2027)

Estimated cost: \$15,000,000

Inflation: 6.5 percent

Estimated future/inflated cost = \$15,000,000 x (4.25x0.065) = \$4,143,750

Ad Hoc (Manual):

1. Navigate to the Cost Estimate Summary screen
2. Select Item Pricing work sheet

Home Previous My Pages

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections **Item Pricing Worksheet**

Cost Estimate Summary

Cost Estimate: 0999-0999-TST - Cost Estimate for Training. Created 8/3/23 by James Kocaba. Please do not delete.

Project: 0999-0999-TST

General

Categories

Cost Summary

Cost Estimate Items

Non-Construction Costs

Markups

Parent Attributes

Associated Type

Project

Entity

0999-0999-TST

Entity Description

Test project created by James Kocaba for Estimation training

Spec Book

11

Estimate Information

Cost Estimate Name

0999-0999-TST

Cost Estimate Descr

Cost Estimate for Training. Created 8/3/23 by James Kocaba. Please do not delete.

Estimate Phase

01 - Programming

Estimated By

CONNDOT\kocaba.j

Kocaba, James

Cost Estimate Total

Design Build

Profile

No

Budget Class

Lanemiles

Estimate Type

3. Select New

Home Previous My Pages

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet

Cost Estimate Summary

Cost Estimate: PP08-8888-TEST - Test Proof of Concept - Cost Estimate...Please do not delete...JTK Sept 12, 2024

Concept: PP08-8888-TEST

General

Cost Summary

Cost Estimate Items

Item Pricing Worksheet

Incidentals and Contingencies

Markups

Categories

Type search criteria or press Enter

ItemNoSortLH

Showing 8 of 8

Total Cost Estimate Items

1,130,991.78

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	P...	Supp Descr	A...
0001	3	0620801	ASBESTOS ABATEMENT	LS	1.000	50,000.00000	50,000.00	Ad		Yes
0001	2	0503001	REMOVAL OF SUPERSTRUCTURE	LS	1.000	351,000.00000	351,000.00	Ad		Yes
0001	6	0503151	REMOVAL OF SUPERSTRUCTURE (SITE NO. 1)	LS	1.000	5,000.00000	5,000.00	Ad		Yes
0001	8	0601318	PARTIAL DEPTH PATCH	c.f.	300.000	332.01000	99,603.00	Regr		Yes
0001	7	0602030	DEFORMED STEEL BARS - GALVANIZED	lb.	2,000.000	5.27000	10,540.00	Regr		Yes
0001	1	0603061	STRUCTURAL STEEL (SITE NO. 1)	LS	1.000	250,000.00000	250,000.00	Ad		Yes
0001	4	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000	314,848.78000	314,848.78	Refe		Yes
8888	5	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY-ELECTRICAL DIS.	LS	1.000	50,000.00000	50,000.00	Ad		Yes

New Select Items...

Showing 8 of 8

4. Click in the Cat ID field (1)
5. Select the appropriate funding category

Home Previous My Pages Actions Help Log off

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet

Cost Estimate Summary

Cost Estimate: PP08-8888-TEST - Test Proof of Concept - Cost Estimate...Please do not delete...JTK Sept 12, 2024 Save ?

Concept: PP08-8888-TEST

General
Cost Summary
Cost Estimate Items
Item Pricing Worksheet
Incidentals and Contingencies
Markups
Categories

Q Type search criteria or press Enter ItemNoSortLH Showing 8 of 8

Total Cost Estimate Items
1,130,991.78

CatID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	P...	Supp Descr	A...
0001	3	0020801	ASBESTOS ABATEMENT	LS	1.000	50,000.00000	50,000.00 Ad...	Yes		
0001	2	0503001	REMOVAL OF SUPERSTRUCTURE	LS	1.000	351,000.00000	351,000.00 Ad...	Yes		
0001	6	0503151	REMOVAL OF SUPERSTRUCTURE (SITE NO. 1)	LS	1.000	5,000.00000	5,000.00 Ad...	Yes		
0001	8	0601318	PARTIAL DEPTH PATCH	c.f.	300.000	332.91000	99,603.00 Regr...	Yes		
0001	7	0602030	DEFORMED STEEL BARS - GALVANIZED	lb.	2,000.000	5.27000	10,540.00 Regr...	Yes		
0001	1	0603061	STRUCTURAL STEEL (SITE NO. 1)	LS	1.000	250,000.00000	250,000.00 Ad...	Yes		
0001	4	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000	314,848.78000	314,848.78 Refe...	Yes		
8888	5	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY-ELECTRICAL DIS.	LS	1.000	50,000.00000	50,000.00 Ad...	Yes		

1 Begin typing to search or pr

2

Showing 8 of 8

6. Double click the item field
7. Enter "PARA"
8. Select item 0005PARA

Cost Estimate: PP08-8888-TEST - Test Proof of Concept There are unsaved changes. Save ?

General
Cost Summary
Cost Estimate Items
Item Pricing Worksheet
Incidentals and Contingencies
Markups
Categories

Q Type search criteria or press Enter ItemNoSortLH Showing 8 of 8

Total Cost Estimate Items
1,130,991.78

CatID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	P...	Supp Descr	A...
0001	3	0020801	ASBESTOS ABATEMENT	LS	1.000	50,000.00000	50,000.00 Ad...	Yes		
0001	2	0503001	REMOVAL OF SUPERSTRUCTURE	LS	1.000	351,000.00000	351,000.00 Ad...	Yes		
0001	6	0503151	REMOVAL OF SUPERSTRUCTURE (SITE NO. 1)	LS	1.000	5,000.00000	5,000.00 Ad...	Yes		
0001	8	0601318	PARTIAL DEPTH PATCH	c.f.	300.000	332.91000	99,603.00 Regr...	Yes		
0001	7	0602030	DEFORMED STEEL BARS - GALVANIZED	lb.	2,000.000	5.27000	10,540.00 Regr...	Yes		
0001	1	0603061	STRUCTURAL STEEL (SITE NO. 1)	LS	1.000	250,000.00000	250,000.00 Ad...	Yes		
0001	4	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000	314,848.78000	314,848.78 Refe...	Yes		
8888	5	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY-ELECTRICAL DI.	LS	1.000	50,000.00000	50,000.00 Ad...	Yes		

New Select Items...

Q para

- 0003PARA STRUCTURAL STEEL INFLATION PARAMETRIC ITEM
- 0004PARA METALLIZING STRUCTURAL STEEL INFLATION PARAMETRIC ITEM
- 0005PARA INFLATION PARAMETRIC ITEM
- 0101142 CONTAMINATED GROUND WATER TREATMENT SYSTEM SITE PREPARATION & CLEANUP
- 0210040 OIL-WATER

Showing 10 of 103

Showing 8 of 8

9. Enter a lump Sum quantity of 1.0

Home Previous My Pages Actions Help Log off

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet

Cost Estimate Summary

▼ Cost Estimate: PP08-8888-TEST - Test Proof of Concept - Cost Estimate...Please do not delete...JTK Sept 12, 2024 Save ?

Concept: PP08-8888-TEST

General
Cost Summary
Cost Estimate Items
Item Pricing Worksheet
Incidentals and Contingencies
Markups
Categories

Q Type search criteria or press Enter ItemNoSortLH Showing 8 of 8

Total Cost Estimate Items
1,130,991.78

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	P...	Supp Descr	A...
0001	3	0020801	ASBESTOS ABATEMENT	LS	1.000	50,000.00000	50,000.00 Ad...		Yes	▼
0001	2	0503001	REMOVAL OF SUPERSTRUCTURE	LS	1.000	351,000.00000	351,000.00 Ad...		Yes	▼
0001	6	0503151	REMOVAL OF SUPERSTRUCTURE (SITE NO. 1)	LS	1.000	5,000.00000	5,000.00 Ad...		Yes	▼
0001	8	0601318	PARTIAL DEPTH PATCH	c.f.	300.000	332.91000	99,603.00 Regr...		Yes	▼
0001	7	0602030	DEFORMED STEEL BARS - GALVANIZED	lb.	2,000.000	5.27000	10,540.00 Regr...		Yes	▼
0001	1	0603061	STRUCTURAL STEEL (SITE NO. 1)	LS	1.000	250,000.00000	250,000.00 Ad...		Yes	▼
0001	4	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000	314,848.78000	314,848.78 Refe...		Yes	▼
8888	5	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DIS.	LS	1.000	50,000.00000	50,000.00 Ad...		Yes	▼
0001	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	P...	Supp Descr	A...
0001		0001PARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1.000				Yes	▼

New Select Items...

Showing 8 of 8

10. Enter the manually calculated lump sum unit price (1)
11. Click Save (2)

Home Previous My Pages Actions Help Log off

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet

Cost Estimate Summary

▼ Cost Estimate: PP08-8888-TEST - Test Proof of Concept - Cost Estimate...Please do not delete...JTK Sept 12, 2024 Save ?

Concept: PP08-8888-TEST

General
Cost Summary
Cost Estimate Items
Item Pricing Worksheet
Incidentals and Contingencies
Markups
Categories

Q Type search criteria or press Enter ItemNoSortLH Showing 8 of 8

Total Cost Estimate Items
1,130,991.78

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	P...	Supp Descr	A...
0001	3	0020801	ASBESTOS ABATEMENT	LS	1.000	50,000.00000	50,000.00 Ad...		Yes	▼
0001	2	0503001	REMOVAL OF SUPERSTRUCTURE	LS	1.000	351,000.00000	351,000.00 Ad...		Yes	▼
0001	6	0503151	REMOVAL OF SUPERSTRUCTURE (SITE NO. 1)	LS	1.000	5,000.00000	5,000.00 Ad...		Yes	▼
0001	8	0601318	PARTIAL DEPTH PATCH	c.f.	300.000	332.91000	99,603.00 Regr...		Yes	▼
0001	7	0602030	DEFORMED STEEL BARS - GALVANIZED	lb.	2,000.000	5.27000	10,540.00 Regr...		Yes	▼
0001	1	0603061	STRUCTURAL STEEL (SITE NO. 1)	LS	1.000	250,000.00000	250,000.00 Ad...		Yes	▼
0001	4	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000	314,848.78000	314,848.78 Refe...		Yes	▼
8888	5	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DIS.	LS	1.000	50,000.00000	50,000.00 Ad...		Yes	▼
0001	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	P...	Supp Descr	A...
0001		0001PARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1.000	150,000.00000	150,000.00		Yes	▼

New Select Items...

Showing 8 of 8

Reference Percentage

Adding a reference based percentage will automatically adjust inflation values based upon the total of all the bid items. Properly identified non-bid item values will not be included in this calculation.

1. Add new 0005PARA INFLATION PARAMETRIC ITEM and a lump sum quantity of 1.0 as shown in the steps above.
2. Navigate to the blue hamburger button (1)
3. Click the "Reference" hyperlink

Home Previous My Pages DEV

Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Cost Estimate: 0111-01234-JTK - Road Widening and Site Line improvements On Route 79 in Madison Save ?

Project

Type search criteria or press Enter ItemNumLH Showing 50 of 70

Total Cost Estimate Items
2,654,282.09

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Price	Active
0001	70	0005PARA	INFLATION PARAMETRIC ITEM	LS	1.000			
0001	1	0201001	CLEARING AND GRUBBING	LS	1.000			
0001	2	0202000	EARTH EXCAVATION	c.y.	12.000.000	33.28000		
0001	3	0202100	ROCK EXCAVATION	c.y.	200.000	108.87000		
0001	4	0202315	DISPOSAL OF CONTROLLED MATERIALS	ton	20.000	140.26000	2,805.20	Regre...
0001	5	0202529	CUT BITUMINOUS CONCRETE PAVEMENT	l.e.	1.000.000	4.18000	4,180.00	Regre...
0001	6	0209001	FORMATION OF SUBGRADE	s.y.	9.000.000	3.86000	34,740.00	Regre...
0001	7	0210821	WATER POLLUTION CONTROL	est.	1.000.000	1.00000	1,000.00	Average...
0001	8	0213100	GRANULAR FILL	c.y.	500.000	73.32000	36,660.00	Regre...
0001	9	0219001	SEDIMENTATION CONTROL SYSTEM	l.e.	2.500.000	7.31000	18,275.00	Regre...
0001	10	0304002	PROCESSED AGGREGATE BASE	c.y.	700.000	77.49000	54,243.00	Regre...
0001	11	0305000	PROCESSED AGGREGATE	ton	1.000.000	74.78000	74,780.00	Regre...
0001	12	0406002	TEMPORARY PAVEMENT	s.y.	250.000	65.10000	16,275.00	Average...
0001	13	0406171	HMA 50 5	ton	5.000.000	204.66000	1,023,300.00	Regre...

Method Price Active

Bid Based ☐

Reference

Cost Based

Maintain Item Price Task

- Click the "New" button (1)
- Enter Description that details the percentage calculation (2)
- Enter calculated percentage in the "Percent of" field (3)
- Click the "Active" checkbox (4)
- Click "Save" (5)

Home
Previous
My Pages
DEV

Actions
Help
Log off

Cost Estimate Items
Item Pricing Worksheet
Task Groups

Reference Price Task Summary

Cost Estimate: 0111-01234-JTK - Road Widening and Site Line improvements On Route 79 in Madison
5
Save
?

Item Information

Line

70

Item

0005PARA INFLATION PARAMETRIC ITEM

Supplemental Description

Quantity

1.000

Unit of Measure

LS - LUMP SUM

Price

Type search criteria or press Enter

Advanced

New

1 added

0 marked for deletion

0 changed

Price Task	Description	Active	Type	Task Unit Price
	Two years at 5 percent per year = 10%	No		

Price Task

Use Historical Price

Reference Price

Amount

Description

Two years at 5 percent per year = 10%

Item ID

Percent of

10.00

Percent on top

Active

Task Group

Begin typing to search or press Enter

Sub-Consultant Cost Estimate Handoff

If sub-consultants are responsible for developing and maintaining a portion cost estimate, the lead consultant designer must handoff the cost estimate to the sub-consultant by modifying the vendor access field. This task will transfer the cost estimate assignment to the sub-consultant design team. Once a sub-consultant vendor is selected and saved the previous consultant designer will no longer have access to the cost estimate. When complete, the sub-consultant will transfer vendor access back to the lead design team using the same process. Please note: the sub-consultant vendor and associated users must be registered and added to AWP for proper system functionality.

1. Navigate to the cost estimate summary screen

Home Previous My Pages **IMPL** Actions Help Log off

Overview Typical Sections Item Pricing Worksheet

Cost Estimate Summary

▼ Cost Estimate: 0001-1111-01 - NONAGE TEST Save ?

Project: 0001-1111

General

- Cost Summary
- Cost Estimate Items
- Incidentals and Contingencies
- Categories
- Markups

▼ Parent Attributes

Associated Type	Spec Book
Project	11
Entity	Unit System
0001-1111	English
Entity Description	Work Type
NONAGEESTIMATION SNAPSHOT TEST	
Improvement Type	

▼ Estimate Information

Cost Estimate Name	Design Build
0001-1111-01	<input type="checkbox"/>
Cost Estimate Descr	Profile
NONAGE TEST	No
Estimate Phase	Estimate Type
01 - Programming	
Estimated By	Vendor Access
CONNDOTKocabaJ	11-1631569
Kocaba James	WSP USA Inc
Cost Estimate Total	Active
1,314,267.09	Yes
Previous Snapshot Total	

2. Search and select sub-consultant in the Vendor Access field

▼ Cost Estimate: 0001-1111-01 - NONAGE TEST There are unsaved changes. Save ?

Project: 0001-1111

General

- Cost Summary
- Cost Estimate Items
- Incidentals and Contingencies
- Categories
- Markups

▼ Parent Attributes

Associated Type	Spec Book
Project	11
Entity	Unit System
0001-1111	English
Entity Description	Work Type
NONAGEESTIMATION SNAPSHOT TEST	
Improvement Type	

▼ Estimate Information

Cost Estimate Name	Design Build
0001-1111-01	<input type="checkbox"/>
Cost Estimate Descr	Profile
NONAGE TEST	No
Estimate Phase	Estimate Type
01 - Programming	
Estimated By	Vendor Access
CONNDOTKocabaJ	GM
Kocaba James	
Cost Estimate Total	
1,314,267.09	
Previous Snapshot Total	
1,314,267.09	

▼ Additional Information

▼ Bid Based

Bid History Profile

Showing 10 of 10 Labor Rate Class

3. Click Save

Overview Typical Sections Item Pricing Worksheet There are unsaved changes.

Cost Estimate Summary

▼ Cost Estimate: 0001-1111-01 - NONAGE TEST

Project: 0001-1111

General

Cost Summary

Cost Estimate Items

Incidentals and Contingencies

Categories

Markups

▼ Parent Attributes

Associated Type

Project

Entity

Entity Description

Improvement Type

Spec Book

11

Unit System

English

Work Type

▼ Estimate Information

Cost Estimate Name

0001-1111-01

Cost Estimate Descr

NONAGE TEST

Estimate Phase

01 - Programming

Estimated By

CONNDOTKocabaaj

Kocaba James

Cost Estimate Total

1,314,287.09

Previous Snapshot Total

1,314,287.09

Design Build

☐

Profile

No

Estimate Type

Vendor Access

06-1510087

GM2 Associates Inc.

Active

Yes

Snapshots and Cost Estimate Phase Transition

After a cost estimate has been completed and is ready to transition to the next project development milestone several actions must be completed. First, users must generate a cost estimate phase snapshot. A snapshot is required for PowerBi reporting and audit purposes as well as tracking scope creep. After a snapshot is created the cost estimate phase can be transitioned and saved.

1. Navigate to the Cost Estimate Summary
2. Select the action arrow adjacent to the save button (1)
3. Select "Create Snapshot" (2)

Home Previous My Pages

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet

Cost Estimate Summary

Cost Estimate: 0999-0999-TST - Cost Estimate for Training Created 8/3/23 by James Kocaba Please do not delete.

Project: 0999-0999-TST

General

Categories

Cost Summary

Cost Estimate Items

Non-Construction Costs

Markups

Parent Attributes

Associated Type

Project

Entity

0999-0999-TST

Entity Description

Test project created by James Kocaba for Estimation training

Spec Book

11

Estimate Information

Cost Estimate Name *

0999-0999-TST

Cost Estimate Descr

Cost Estimate for Training. Created 8/3/23 by James Kocaba. Please do not delete.

Estimate Phase

01 - Programming

Estimated By

CONNDOT\kocaba.j
Kocaba James

Cost Estimate Total

1,317,606.11

Previous Snapshot Total

Unit System

English

Improvement Type

Work Type

Design Build

No

Profile

No

Budget Class

Lanemiles

Estimate Type

Vendor Access

Begin typing to search or press Enter

Snapshot Tracking Percentage

10.00

Actions

- Select Item Bid History Profile...
- Tasks
- Build Project Items
- Calculate Bid Based Prices for all Items
- Combine Like Cost Estimate Items
- Combine Like Cost Estimate Items and Calculate ...
- Create Budget From Estimate
- Create Snapshot
- Export Cost Estimates
- Import Snapshot...
- Item Bid History Criteria
- Select Cost Estimate Items to Calculate Bid Based...
- Transition Cost Estimate to Detail Items
- Validate Prequal Worktypes
- Views
- Attachments (0)
- Default Bid History Profiles
- Issues
- Item Pricing Worksheet
- Links
- Parent Project
- Snapshots
- Reports
- Cost Estimate Budget Class Report
- Cost Estimate Contingency Report
- Cost Estimate Formula Information Report
- Cost Estimate Scope Tracking Report
- Cost Estimate Summary Report
- Design Build Estimate Report
- Prequalification Work Type Report

4. Enter a detailed description of the cost estimate phase (1)
5. Select the proper snapshot reason (2)
6. Select "Save" (3)

Home Previous My Pages

Cost Estimate

Add Cost Estimate Snapshot

Add Cost Estimate Snapshot

Entity

Description *

Snapshot at Preliminary Design Completion - 30%

Cost Estimate Name

0999-0999-TST

Snapshot Type

Manual

Snapshot Reason

- 02PD - Preliminary Design
- 01PRGM - Programming
- 02PD - Preliminary Design
- 03SFD - Semi Final Design
- 04FD - Final Design
- 05FDP - Final Design Plans
- 06SCP - Scope Modification
- 07OTH - Other

Remarks

Type *

Remark *

Save

7. Snapshot has been successfully saved
8. Users can navigate back to snapshot overview

Home Previous My Pages Overview Fund Package Overview Funding Assign to Items Contingency Assignment Typical Sections Cost Estimate

Cost Estimate Snapshot Summary Cost Estimate 0999-0999-TST - Snapshot at Preliminary Design Completion... Successfully Saved

Cost Estimate Snapshot: 0999-0999-TST - 001 - Snapshot at Preliminary Design Completion - 30%

General Entity Cost Estimate Name Categories 0999-0999-TST Snapshot Type 0999-0999-TST Cost Summary 001 Snapshot Reason Manual Cost Estimate Items Description Snapshot at Preliminary Design Completion - 30% Created Date 10/17/2023 10:53:57 AM Non-Construction Costs Created By CONNDOT\kocabaj Remarks

Type Remark

9. Navigate back to the current cost estimate

Home Previous My Pages Cost Estimate

Cost Estimate Snapshot Overview

Cost Estimate Snapshot Overview

Type search criteria or press Enter Advanced Showing 1 of 1

0 marked for deletion 0 changed

Sequence	Description	Snapshot Type	Created	Created Dt
001	Snapshot at Preliminary Design Completion - 30%	Manual	CONNDOT\kocabaj	10/17/2023 10:53:57 AM

10. Modify Cost Estimate phase

- Select Cost Estimate Phase drop down arrow (1)
- Select next cost estimate phase (2)
- Click Save (3)

Home Previous My Pages DEV

Overview Contingency Assignment Funding Assign to Items Fund Package Overview Life Cycle Costs Typical Sections Item Pricing Worksheet

Cost Estimate Summary

Cost Estimate: 0008-8888 - TEST

Project: 0008-8888-TST

General Parent Attributes

Associated Type Project

Entity 0008-8888-TST

Entity Description Test Proof of Concept... Please do not Delete... JTK Sept 12.

Improvement Type

Estimate Information

Cost Estimate Name 0008-8888

Cost Estimate Descr TEST

Estimate Phase

02 - Preliminary Design

01 - Programming

02 - Preliminary Design

03 - Semi-Final Design

04 - Final Design

05 - Final Design Plans

Previous Snapshot Total

Design Build

Profile No

Estimate Type PROG - Progress

Vendor Access

Active Yes

11. Quick link to cost estimate snapshots is located here:

- a. Select action item arrow adjacent to the save button (1)
- b. Select the “Snapshots” hyperlink (2)

The screenshot displays the 'Cost Estimate Summary' page for a project named '0999-0999-TST'. The page is divided into several sections: 'Parent Attributes', 'Estimate Information', and 'Design Build'. The 'Parent Attributes' section includes fields for 'Associated Type', 'Project', 'Entity', 'Entity Description', 'Spec Book', 'Unit System', 'Improvement Type', and 'Work Type'. The 'Estimate Information' section includes 'Cost Estimate Name', 'Cost Estimate Descr', 'Estimate Phase', 'Estimated By', 'Cost Estimate Total', and 'Previous Snapshot Total'. The 'Design Build' section includes 'Design Build', 'Profile', 'Budget Class', 'Lanemiles', 'Estimate Type', 'Vendor Access', and 'Snapshot Tracking Percentage'. On the right side, an 'Actions' menu is open, showing various options such as 'Select Item Bid History Profile...', 'Tasks', 'Build Project Items', 'Calculate Bid Based Prices for all Items', 'Combine Like Cost Estimate Items', 'Combine Like Cost Estimate Items and Calculate...', 'Create Profile From Estimate', 'Create Snapshot', 'Export Cost Estimates', 'Import Snapshot...', 'Item Bid History Criteria', 'Select Cost Estimate Items to Calculate Bid Based...', 'Transition Cost Estimate to Detail Items', 'Validate Prequal Worktypes', 'Views', 'Attachments (0)', 'Default Bid History Profiles', 'Issues', 'Item Pricing Worksheet', 'Links', 'Parent Project', 'Snapshots', 'Reports', 'Cost Estimate Budget Class Report', 'Cost Estimate Contingency Report', 'Cost Estimate Formula Information Report', 'Cost Estimate Scope Tracking Report', 'Cost Estimate Summary Report', 'Design Build Estimate Report', and 'Prequalification Work Type Report'. The 'Snapshots' option is highlighted with a red box and a red number '2'. A red number '1' is also present near the top right of the page, indicating the location of the Actions menu arrow.