

AASHTOWare Project

Project Cost Estimate Creation User Guide

This guide provides the steps to properly create a project and cost estimate directly in AASHTOWare project. Additional information regarding the development of a project and cost estimate using the Project Entry Template or Estimator® can be found on our website. Please follow the steps and instructions below:

Steps

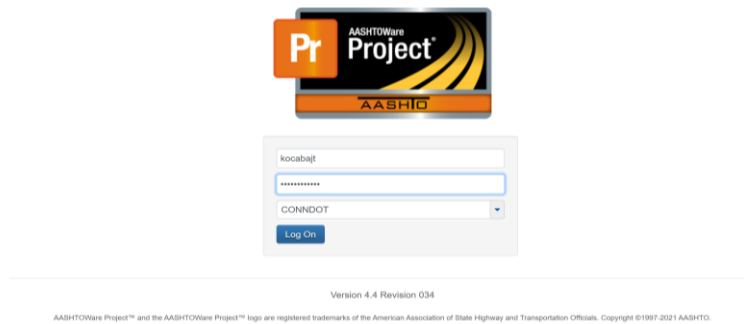
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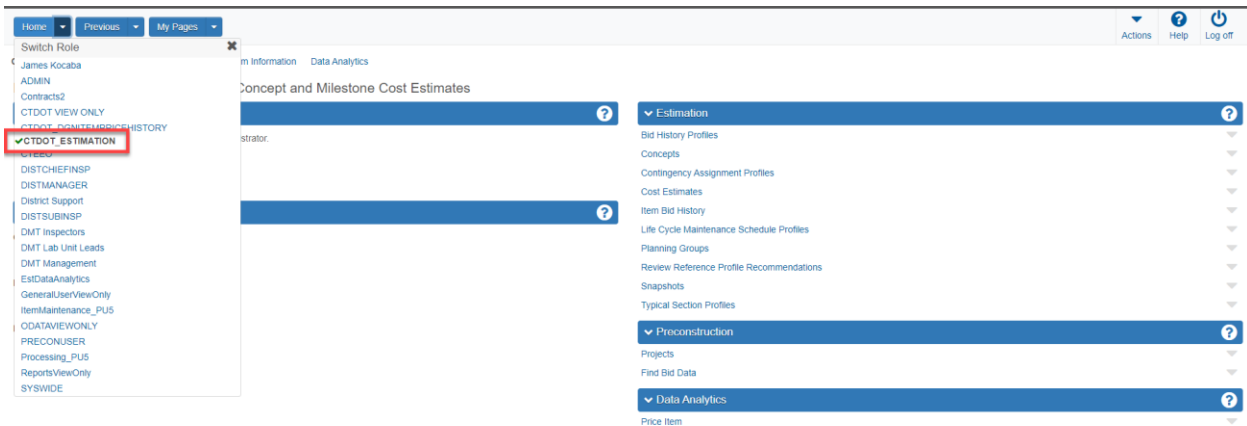
Change Project Workflow from 10 to 20 43

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 CT_DOT Estimation



Add New Project

1. Select the Projects under the heading Preconstruction

Home Previous My Pages

On this page: Estimation Preconstruction System Information Data Analytics

PROJECT In-house Design Role for Concept and Milestone Cost Estimates

Welcome to AASHTOWare Project v4.8

Please report all software inconsistencies to the administrator.

- James Kocaba (EUD)

System Information

Constr Management Sys ID (CMSID)
bca290c5-34d9-42df-b321-3a628bc21159

Product Version
4.8 Revision 023

Database Version
4.8.023

Estimation

- Bid History Profiles
- Concepts
- Contingency Assignment Profiles
- Cost Estimates
- Item Bid History
- Life Cycle Maintenance Schedule Profiles
- Planning Groups
- Review Reference Profile Recommendations
- Snapshots
- Typical Section Profiles

Preconstruction

- Projects
- Find Bid Data

Data Analytics

- Price Item

2. Select the action arrow drop down arrow to the right of the Save button. (1)
3. Select "Add" from the Actions arrow drop down menu

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Project Overview

Project Overview

Type search criteria or press Enter CreatedDate Showing 50 of 1990

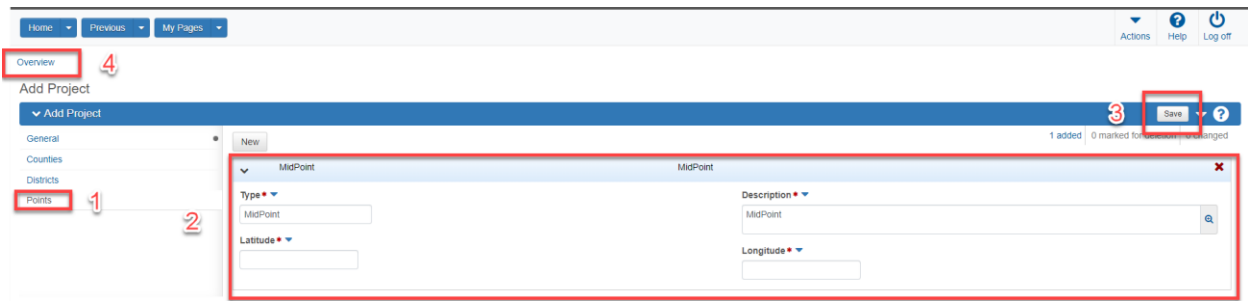
Project Number	Proposal	Descr	Project Engineer	Project Work Type	Phase
0149-0088		SLOPE STABILIZATION ON ROUTE 45 AT LAKE WARAMAUG BROOK		GENC - GENERAL CONSTRUCT	10-DesignEstimates
0052-0093		Replacement of Bridge No 01547 Carrying Route 207 over Beaver Brook	CMP - Christopher Patria	STRS - STRUCTURAL STEEL	10-DesignEstimates
0047-0121		Route 140 Intersection Improvements at Burbank Road		GENC - GENERAL CONSTRUCT	10-DesignEstimates
0046-0127		Replacement of Bridge No. 01524 carrying CT Route 191 over the Scantic River in East Windsor.	SMS - Stephen M Smith, x	STRS - STRUCTURAL STEEL	10-DesignEstimates
0141-0157	0141-0157	REPLACEMENT OF BRIDGE NO. 02128 ROUTE 12 OVER SUNSET HILL BROOK TOWN OF T	MT - Mikhail Thomas	GENC - GENERAL CONSTRUCT	30-Processing-Contract
0103-0277		Replacement of Bridge No 00279 carrying Lawler Lane over I-395		STRS - STRUCTURAL STEEL	10-DesignEstimates
0056-0321		Drainage Replacement on U.S. Route 1		HWAY - HIGHWAY	10-DesignEstimates
0174-0435		Traffic Signal Safety and Technology Enhancements - District 4		TRFP - PERMANENT TRAFFIC C	10-DesignEstimates
0171-0494	0171-0494	Wrong Way Pavement Markings - Secondary Roadways	KNJe - khadiza.jannat@ct.gov	PVMK - PAVEMENT MARKING	
0172-0507	0172-0507	Signing and Pavement Marking Installations at Unsignalized State Road Intersections in District 2	ON Ae - obesebea.aye-addo@ct.gov	SIGN - SIGNS	20-Processing
0301-0195	0301-0195	Darien Railroad Station Improvements	BSMe - Brett McKiernan@ct.gov	FACL - FACILITIES	20-Processing
0108-0189	0108-0189	Moosup Valley State Park Trail	SARe - Scott.Roberts@ct.gov	LAND - LANDSCAPING, PARKS,	20-Processing
0173-0533	0173-0533	Wrong Way Pavement Markings - Secondary Roadways - District No. 3	KNJ - Khadiza Jannat	PVMK - PAVEMENT MARKING	20-Processing
0172-0517	0172-0517-R1	Metalizing of 19 Bridges Along I-395 Corridor Between Thompson and Montville	SM - Susan Momeault, x	PANT - BRIDGE PAINTING	40-Contracts-Advert
0172-0526	0172-0526	Wrong Way Pavement marking - Secondary Roadways	KNJ - Khadiza Jannat	PVMK - PAVEMENT MARKING	20-Processing
0174-0465	0174-0465	Wrong Way Pavement Markings on Secondary Roadways in D4	KNJ - Khadiza Jannat	PVMK - PAVEMENT MARKING	40-Contracts-Advert

4. Select General from the Add Project Screen (1)
5. Add data to all fields. Ensure that Spec Book 11 and English units are selected (2)
6. If a field is unknown it can be entered at a later date.

7. Select Counties (1)
8. Enter proper county, percent of work in county and select primary (2)
9. If another county is required select "New" and repeat the process. Ensure the proper county is selected a primary

10. Select District (1)
11. Enter proper District ID, description, and select primary (2)
12. If another District is required select "New" and repeat the process. Ensure the proper county is selected a primary

13. Select Points (1)
14. Enter "MidPoint" into the Type and Description fields (2)
15. Enter Latitude and Longitude for project MidPoint (2)
16. Select "Save" (3)
17. Select Overview



Update Project Summary Information

1. Select proper Project

Project Number	Proposal	Descr	Project Engineer	Project Work Type	Phase
TEST9998		TEST9998			
TEST999		TEST999			
TEST20230318		Test		ASPH - ASPHALT PAVING	
0046-0127		Replacement of Bridge 01524		STRS - STRUCTURAL STEEL	
Test002		Traffic Project Template			
0999-0999		Dec 14 2022 TEST		ERTH - EARTHWORK	
TEST001		Traffic Project Template			

2. Select "General"

3. Enter project information. The red boxes indicate the required data to be provided on this screen. If multiple projects are integrated into one contract, please select which project is the controlling project.

Project Summary

Project: TEST9998 - TEST9998

Proposal:

General **1**

Counties

Districts

Points

Road Segments

Bridge Segments

Workflow

Project Number: TEST9998

Project Description: TEST9998

Spec Book (Item List 11 = Engl, 10 = Metric): 11

Unit System: English

Federal Project Number:

Project Work Type:

Project Item Total:

State Project Number:

Project Engineer:

Designed By:

Id: 2331

Created By: CONNDO\kocabaj

Created Date: 03/20/2023 9:24:40 AM

Incidental and Contingencies

Highway Type:

Historical Inc and Cont-LEAVE BLANK

Primary Project County: HTFD - Hartford

Primary Project District ID: 2 - Norwich

Town 1:

Town 2:

Town 3:

Town 4:

Town 5:

Town 6:

Controlling Project:

4. Counties, Districts and Points have already been entered previously. However, it is good practice to ensure that each tab contains accurate project data
5. Road Segments entries are not required yet
6. Select Bridge Segments (1) This data must be entered for each structure reconstructed or rehabilitated
7. Select New (2)
8. Enter the required Bridge Segment data (3)
9. If an additional Bridge Segment is necessary, select new to enter another segment.

Project Summary

Project: 0052-0093 - Replacement of Bridge No 01547 Carrying Route 207 over Beaver Brook

Proposal:

General

Counties

Districts

Points

Road Segments

Bridge Segments **1**

Workflow

0 added | 0 marked for deletion | 0 changed

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

New **2**

01547 - Route 207 over Beaver Brook 003.02 - Steel Stringer/Multi Beam or Girder

Bridge Number: 01547

Description: Route 207 over Beaver Brook

Bridge Type: 003.02 - Steel Stringer/Multi Beam or Girder

Length (ft):

Width Out-to-Out (ft):

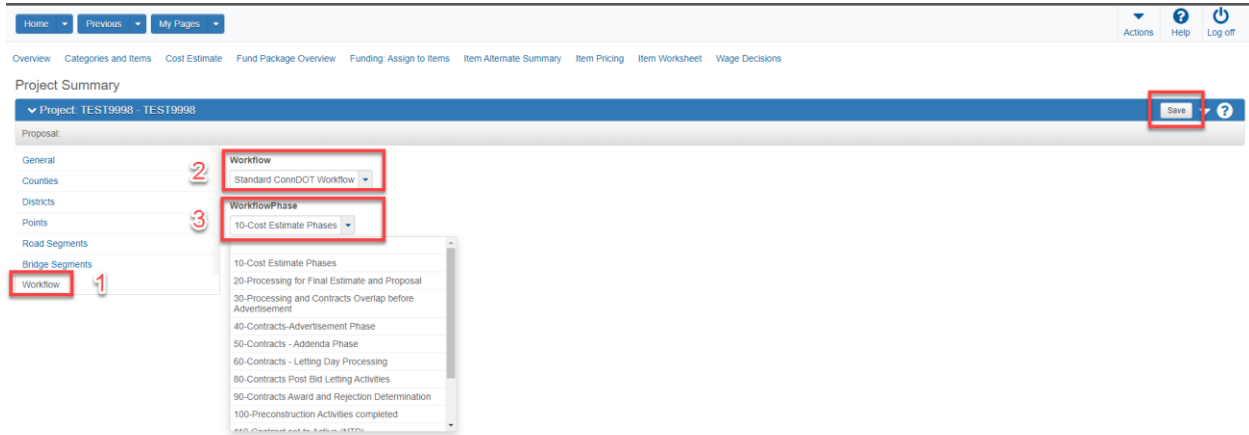
Bridge Deck Area (sf) - FHWA Reportable:

Category ID: 01-01547 - Route 207 over Beaver Brook

Comment:

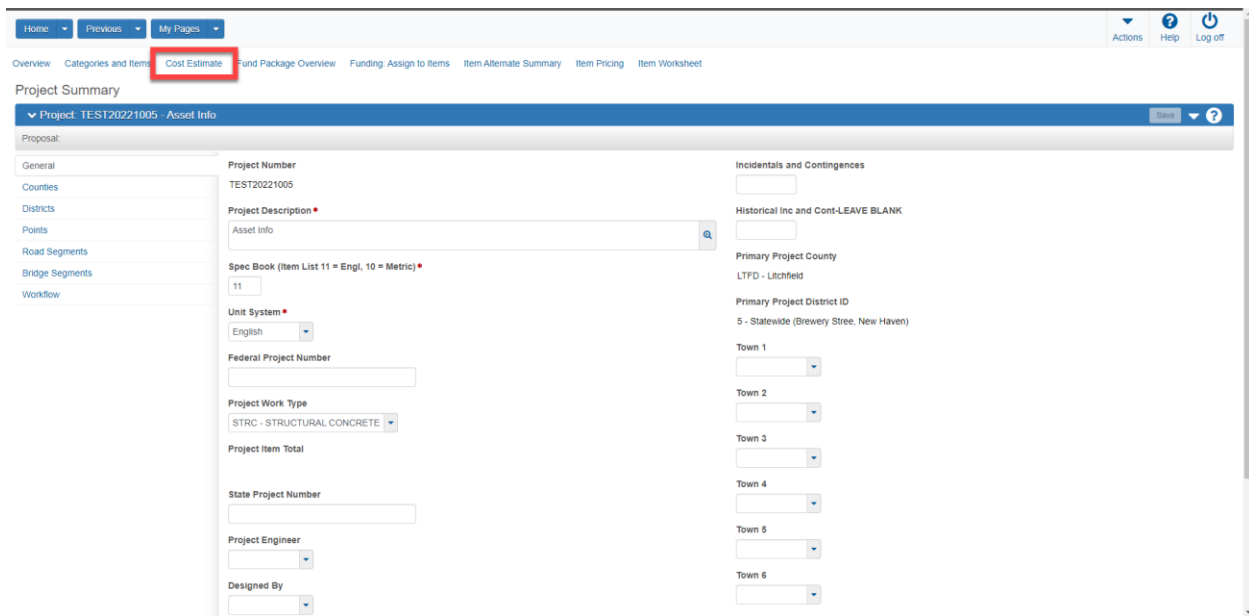
3

10. Select Workflow (1)
11. Select Standard ConnDOT Workflow (2)
12. Select 10-Cost Estimate Phase (3)
13. Click "Save" (4)



Create Project Cost Estimate

1. Select "Cost Estimate"



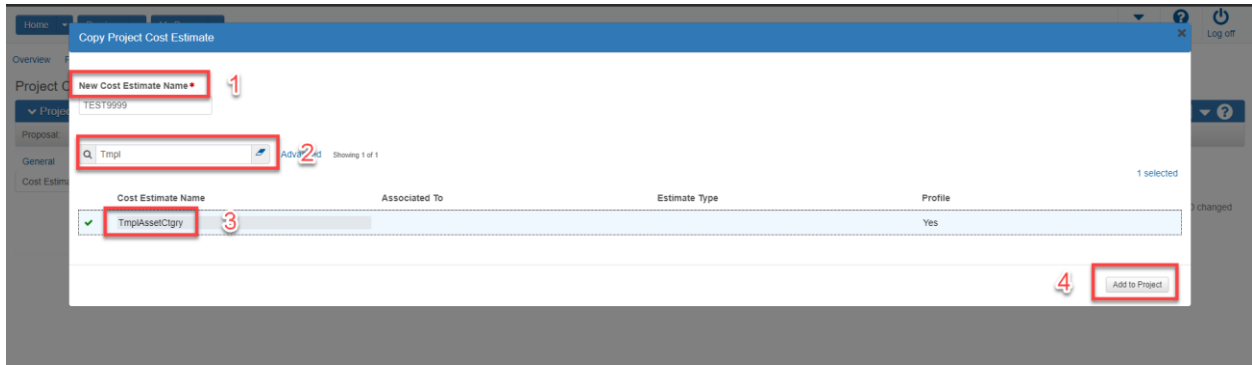
2. Enter all necessary cost estimate information
 - a. Construction Year (1)
 - b. Estimated Date (2)
 - c. Letting Date (3)
 - d. Highway Type (4)
 - e. Season (5)
 - f. Terrain (6)
3. Click "Save" (7)

The screenshot shows the 'Project Cost Estimate Summary' form for Project: 0046-0127 - Bridge No. 01524. The form is divided into several sections. On the left, under 'Cost Estimates', there are three input fields: 'Construction Year' (1), 'Estimated Date' (2), and 'Letting Date' (3). On the right, under 'Project Work Type', there are three dropdown menus: 'Highway Type' (4), 'Season' (5), and 'Terrain' (6). At the top right of the form, there is a 'Save' button (7) and a help icon.

4. Select "Cost Estimates" (1)
5. Select the drop down arrow to the right of "Add" (2)
6. Select "Copy Cost Estimate"

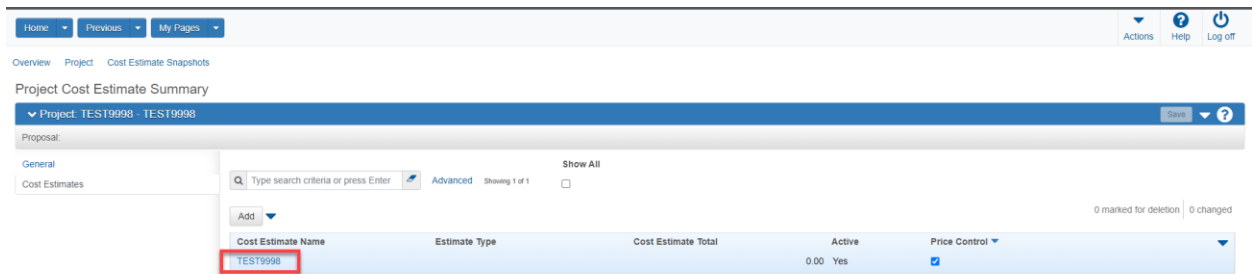
The screenshot shows the 'Project Cost Estimate Summary' form for Project: TEST9998 - TEST9998. The 'Cost Estimates' tab is selected (1). In the 'Add' dropdown menu, the 'Copy Cost Estimate' option is selected (2). The 'Add' dropdown menu is open, showing the 'Copy Cost Estimate' option (3).

7. Enter new estimate name. Estimate name should match the project name. (1)
8. Search for "tmp" (2)
9. Select TmplAssetCtgy (3)
10. Select Add to Project (4)



Modify Project Cost Estimate Summary

1. Select newly created Cost Estimate



2. Select General Tab (1)
3. Enter a description. The description should match the project description (2)
4. Select Estimate Phase (3)
5. Enter user Estimated by (4)
6. Enter Estimate Type (5)
7. Select Save (6)

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

Cost Estimate Summary

Cost Estimate: TEST9999 - Asset Category Template

General

Parent Attributes

Associated Type
Project
Entity
TEST9998
Entity Description
TEST9998
Spec Book
11

Unit System
English
Improvement Type
Work Type

Estimate Information

Cost Estimate Name
TEST9999

Cost Estimate Descr
Asset Category Template

Estimate Phase

Estimated By

Estimate Type

Design Build

Profile
No

Budget Class

Lanemiles

Vendor Access
Begin typing to search or press Enter

Snapshot Tracking Percentage

Active
Yes

Additional Information

Bid Based

Bid History Profile
Typical Section Bid History Profile
Begin typing to search or press Enter

Cost Based

Labor Rate Class

Equipment Rate Class

Material Rate Class

Davis/Bacon Indicator

Save

Add Bid History Profile to Cost Estimate

If the 3YRENG bid history profile has not been automatically assigned to the cost estimate, please follow the steps below. Look for the automatically assigned default bid history profile here:

1. Select General tab (1)
2. Scroll down to additional information and determine if the default bid history profile 3YRENG has been automatically assigned (2)
3. If the bid history profile space is blank, please go to step five

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

Cost Estimate Summary

Cost Estimate: TEST9998 - Asset Category Template

General (1)

Parent Attributes

Associated Type

Project

Entity: TEST9998

Entity Description: TEST9998

Spec Book: 11

Unit System: English

Improvement Type

Work Type

Estimate Information

Cost Estimate Name: TEST9998

Cost Estimate Desc: Asset Category Template

Estimate Phase

Estimated By

Cost Estimate Total: 0.00

Previous Snapshot Total

Design Build

Profile: No

Budget Class

Lanemies

Estimate Type

Vendor Access

Snapshot Tracking Percentage

Active: Yes

Additional Information

Bid Based (2)

Bid History Profile: SYRENG

Typical Section Bid History Profile

SYRENG

3 Year English Bid History Profile

Cost Based

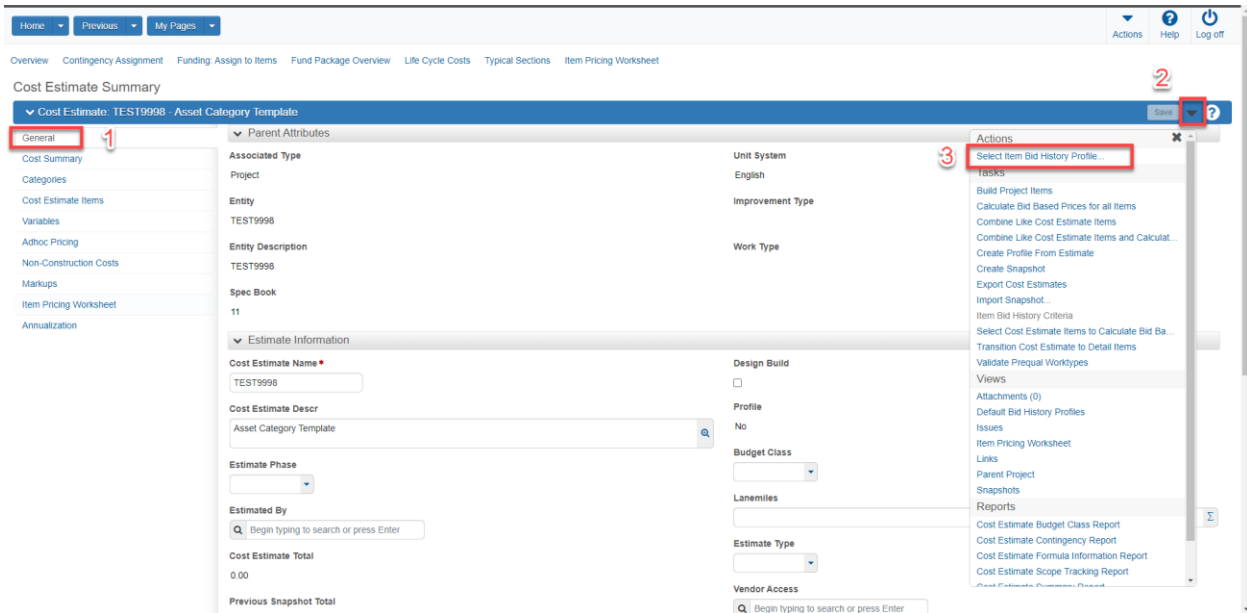
Labor Rate Class

Equipment Rate Class

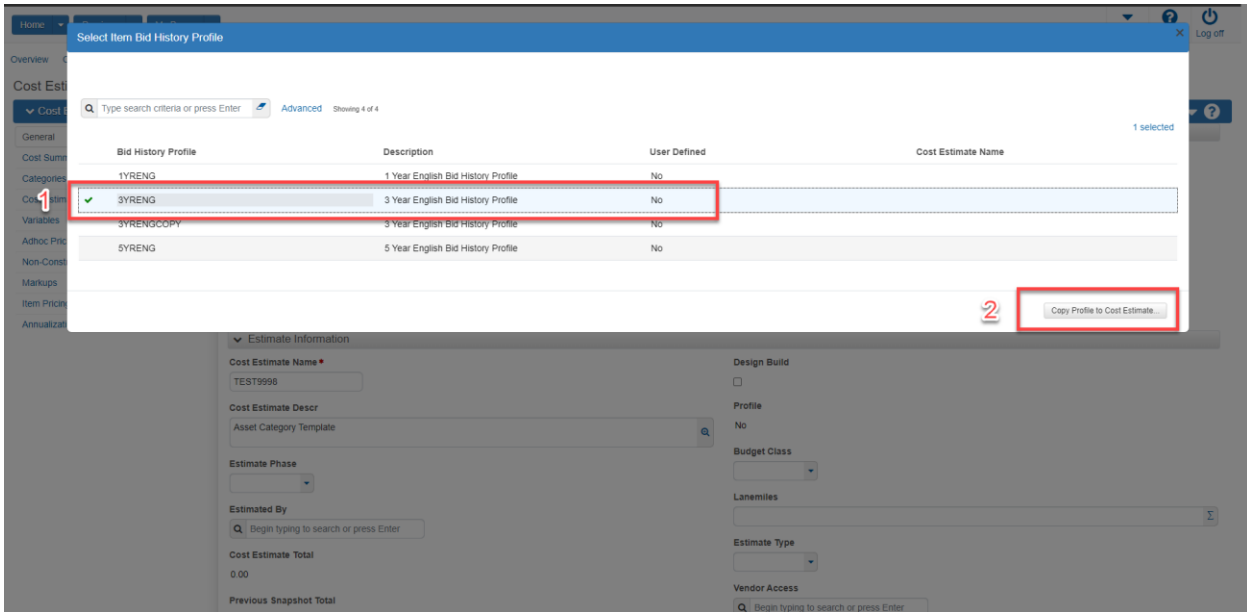
Material Rate Class

Davis/Bacon Indicator

4. Select cost estimate general tab (1)
5. Select action arrow to the right of Save (2)
6. Select "Select Item Bid History Profile" (3)



7. Select 3YRENG Bid History Profile (1)
8. Select "Copy Profile to Cost Estimate" (2)



9. Proper bid history profile has been added to the cost estimate

The screenshot displays the 'Cost Estimate Summary' interface for 'TEST9998 - Asset Category Template'. The interface is divided into several sections:

- Parent Attributes:** Includes fields for Associated Type, Project, Entity (TEST9998), Entity Description (TEST9998), Spec Book (11), Unit System (English), Improvement Type, and Work Type.
- Estimate Information:** Includes Cost Estimate Name (TEST9998), Cost Estimate Descr (Asset Category Template), Estimate Phase (dropdown), Estimated By (searchable), Cost Estimate Total (0.00), Previous Snapshot Total, Design Build (checkbox), Profile (No), Budget Class (dropdown), Lanemiles (text input), Estimate Type (dropdown), Vendor Access (searchable), Snapshot Tracking Percentage (text input), and Active (Yes).
- Additional Information:**
 - Bid Based:** Features a 'Bid History Profile' dropdown set to '3YRENG' (highlighted with a red box) and a search field for 'Typical Section Bid History Profile' with '3YRENG' entered.
 - Cost Based:** Includes Labor Rate Class, Equipment Rate Class, Material Rate Class (all dropdowns), and Davis/Bacon Indicator (checkbox).

Modify Project Cost Estimate Categories

This step is very important and ensures that all items and associated costs are tracked according to their asset categories. **Each individual item must be assigned an asset category.** Designers must remove unnecessary asset categories from the cost estimate and modify any bridge or traffic signal asset naming conventions. For example, all items that are directly related to a bridge asset must be categorized as 01BR-01234, items directly related to guiderail assets must be categorized as 12RDYSAFHDW, items related to traffic signal assets must be categorized as 03TRSGNL-123-0456 etc. Furthermore, items that do not fit into one category or another can be assigned to either 01BRGEN, 80CMNLS, 81STDGEN, 83HWYGEN.

1. Select Category tab (1)

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

Cost Estimate Summary

Cost Estimate: Tmp/AssetCtgr - Asset Category Template Save ?

General Categories Cost Summary Cost Estimate Items Non-Construction Costs Markups

Q Type search criteria or press Enter CategoryIDSort Showing 24 of 24

0 added 0 marked for deletion 0 changed

Category	Federal Asset Work Type	Category Descr	Category Total
> 01BR-XXXX		Bridge location and description	
> 01BRGEN		Bridge General	
> 02PAVEMENT		Pavement Treatments	
> 03TRSGNL-XXX-XXXX		Traffic Signal location and description	
> 04SIGN		Sign Location and description	
> 05SIGNSPRT-XXX		Sign Support location and description	
> 06PVMTRK		Pavement Markings location and description	
> 07HIGHWAYBLDGS		Highway Buildings (Tier 1.2.3) Location and description	
> 08RDWYLLMTN		Roadway Illumination location and description	
> 09RETAININGWALL		Retaining Walls location and description	
> 10DRAINAGE		Drainage Culverts location and description	
> 11ITS-XXX		ITS location and description	
> 12RDWYSAFHDW		Roadway Safety Hardware - location and description	
> 13CURBRAMPS		Curb Ramps - location and description	
> 14NOISEWALL		Noise Walls - description and location	
> 80CMNLS		Common Lump Sum Items	
> 81STDGEN		Standard General (Field Office, etc.)	
> 82LNDSCP		Landscape Items	
> 83HWYGEN		Highways General	
> 84TRAFSFTY		Traffic Safety	
> 85ENVRMT		Environmental	
> 86NONPARTICIPATING		Non-Participating Contract Items	
> 87NONSTATE		Non-State Assets	
> Category	Federal Asset Work Type	Category Descr	Category Total
> 8888		Non-Contract Items	

2. Remove all cost estimate categories that will not be assigned to the estimate
3. Select action arrow to the right of each category to be deleted

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

Cost Estimate Summary

Cost Estimate: Tmp/AssetCtgr - Asset Category Template Save ?

General Categories Cost Summary Cost Estimate Items Non-Construction Costs Markups

Q Type search criteria or press Enter CategoryIDSort Showing 24 of 24

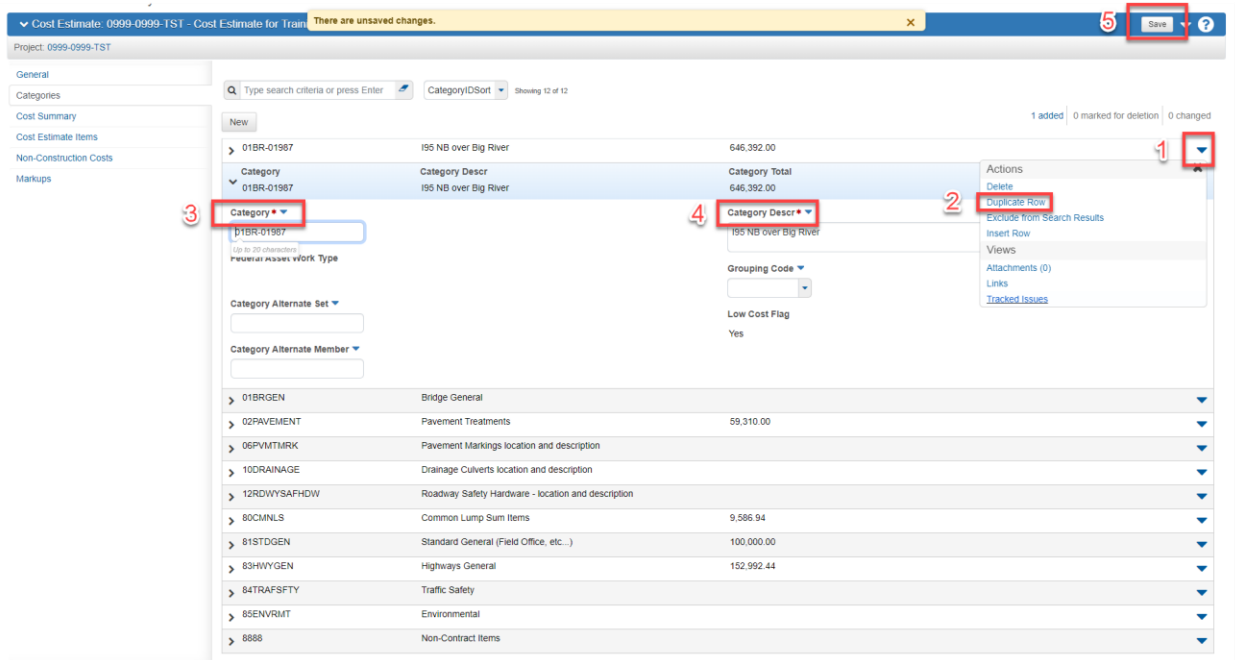
0 added 0 marked for deletion 0 changed

Category	Federal Asset Work Type	Category Descr	Category Total	Actions
> 01BR-XXXX		Bridge location and description		
> 01BRGEN		Bridge General		⌵
> 02PAVEMENT		Pavement Treatments		⌵
> 03TRSGNL-XXX-XXXX		Traffic Signal location and description		⌵
> 04SIGN		Sign Location and description		⌵
> 05SIGNSPRT-XXX		Sign Support location and description		⌵
> 06PVMTRK		Pavement Markings location and description		⌵
> 07HIGHWAYBLDGS		Highway Buildings (Tier 1.2.3) Location and description		⌵
> 08RDWYLLMTN		Roadway Illumination location and description		⌵
> 09RETAININGWALL		Retaining Walls location and description		⌵
> 10DRAINAGE		Drainage Culverts location and description		⌵
> 11ITS-XXX		ITS location and description		⌵
> 12RDWYSAFHDW		Roadway Safety Hardware - location and description		⌵
> 13CURBRAMPS		Curb Ramps - location and description		⌵
> 14NOISEWALL		Noise Walls - description and location		⌵
> 80CMNLS		Common Lump Sum Items		⌵

Actions: Delete, Duplicate Row, Exclude from Search Results, Insert Row, Views, Attachments (0), Links, Tracked Issues

4. If a duplicate category is required, select action item drop down arrow (1)
5. Select Duplicate Row (2)

6. Enter new Category ID (3)
7. Enter new Category Description (4)
8. Click "Save" (5)



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

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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: 0103-0277TEST Big Bridge over small river Save ?

General

Cost Summary

Categories

Cost Estimate Items

Variables

Adhoc Pricing

Non-Construction Costs

Markups

Annualization

Parent Attributes

Associated Type

Project

Entity

0103-0277TEST

Entity Description

Big Bridge over small river

Spec Book

11

Unit System

English

Improvement Type

Work Type

Estimate Information

Cost Estimate Name

0103-0277TEST

Cost Estimate Descr

Big Bridge over small river

Estimate Phase

Estimated By

Begin typing to search or press Enter

Cost Estimate Total

0.00

Previous Snapshot Total

Design Build

Profile

No

Budget Class

Lanemiles

Estimate Type

Vendor Access

Begin typing to search or press Enter

2. Select "New"

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 1 of 1

Total Cost Estimate Items

0.00

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

New Select Items...

Showing 1 of 1

3. Select Category/Asset ID

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet Save Complete

Item Pricing Worksheet Save

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

Total Cost Estimate Items
0.00

8888	10	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DISTRIBUTION	LS	1,000						
Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Active		
									Yes		
									Yes		

1 added | 0 marked for deletion | 0 changed

Showing 1 of 1

Begin typing to search or p

- 01-XXXX Bridge location and description
- 02-XXXX Pavement Treatments
- 03-XXXX Traffic Signal location and description
- 04-XXXX Sign Location and description
- 05-XXXX Sign Support location and description
- 06-XXXX Pavement Markings location and description
- 07-XXXX Highway Buildings (Tier 1, 2, 3) Location and description

Showing 10 of 17

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 Save

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

Total Cost Estimate Items
0.00

8888	10	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DISTRIBUTION	LS	1,000						
Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Active		
		0201001	CLEARING AND GRUBBING	LS					Yes		

1 added | 0 marked for deletion | 0 changed

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

Item Pricing Worksheet Save

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

Total Cost Estimate Items
0.00

8888	10	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DISTRIBUTION	LS	1,000						
Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Active		
	20	0201001	CLEARING AND GRUBBING	LS	1,000				Yes		

0 added | 0 marked for deletion | 0 changed

Showing 2 of 2

6. Double click on "Supp Descr" if required
7. Enter "*** See Special Provisions ***" (1)
8. Select Apply (2)

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save ?

Type search criteria or press Enter System Default

Total Cost Estimate Items

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Active
	20	0201001	CLEARING AND GRUBBING	LS	1,000				

New Select Items...

Showing 0 of 0

Home Supp Descr Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet

Type search criteria or press Enter System Default

Total Cost Estimate Items

** See Special Provisions **

Apply

Showing 0 of 0

9. Select Save

Home Previous My Pages Actions Help Log off

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
8888	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		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 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 3 of 3

Total Cost Estimate Items
0.00

CatID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext.Amt	Supp Descr	Active
888	19	3180912	C.L. - POWER CO. aka EVERSOURCE ENERGY: ELECTRICAL DISTRIBUTION	LS	1.000				Yes
897	20	8201001	CLEARING AND GRUBBING	LS	1.000				Yes
897	30	8980820	CONSTRUCTION SURVEYING	LS	1.000				Yes

New Select Items...

Showing 3 of 3

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

Select: All None 0 selected

Enter search criteria above to see results or Show first 10

Add to Cost Estimate Item

No rows found matching criteria

New Select Items

Showing 0 of 0

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

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save ?

Q concrete Advanced Showing 50 of 579

0 selected

Item	Descr	Unit
0000377	ELECTRICAL DUCT BANK, 8-4" CONCRETE ENCASED PVC IN TURF	lf. - Linear Foot
0000383	ELECTRICAL DUCT BANK, 8-4" CONCRETE ENCASED PVC IN PAVEMENT	lf. - Linear Foot
0007509	PRECAST CONCRETE MANHOLE (TYPE VI)	ea. - Each
0020761	HANDLING & DISPOSAL OF CONTAMINATED CONCRETE	ton - Ton
0020771	HANDLING & DISPOSAL OF TSCA-HAZARDOUS CONCRETE	ton - Ton
0090002	ENCASE STEEL BASE IN CONCRETE	ea. - Each
0090003	REPLACE CONCRETE TOPPING	ea. - Each
0090015	PAINT CONCRETE FOUNDATION	ea. - Each
0090054	REPAIR FOUNDATION WITH REINFORCED CONCRETE	ea. - Each
0090115	PRECAST CONCRETE SAND TRAP	LS - LUMP SUM
0090116	PRECAST CONCRETE VALVE PIT	LS - LUMP SUM
0090117	PRECAST CONCRETE SAND TRAP	ea. - Each
0100084	PRECAST CONCRETE TROUGH	lf. - Linear Foot
0100085	PRECAST CONCRETE FUEL LINE PIT	ea. - Each
0100238	C&B F TROUGH HIGH DENSITY POLYMER CONCRETE	lf. - Linear Foot

Add to Cost Estimate Item

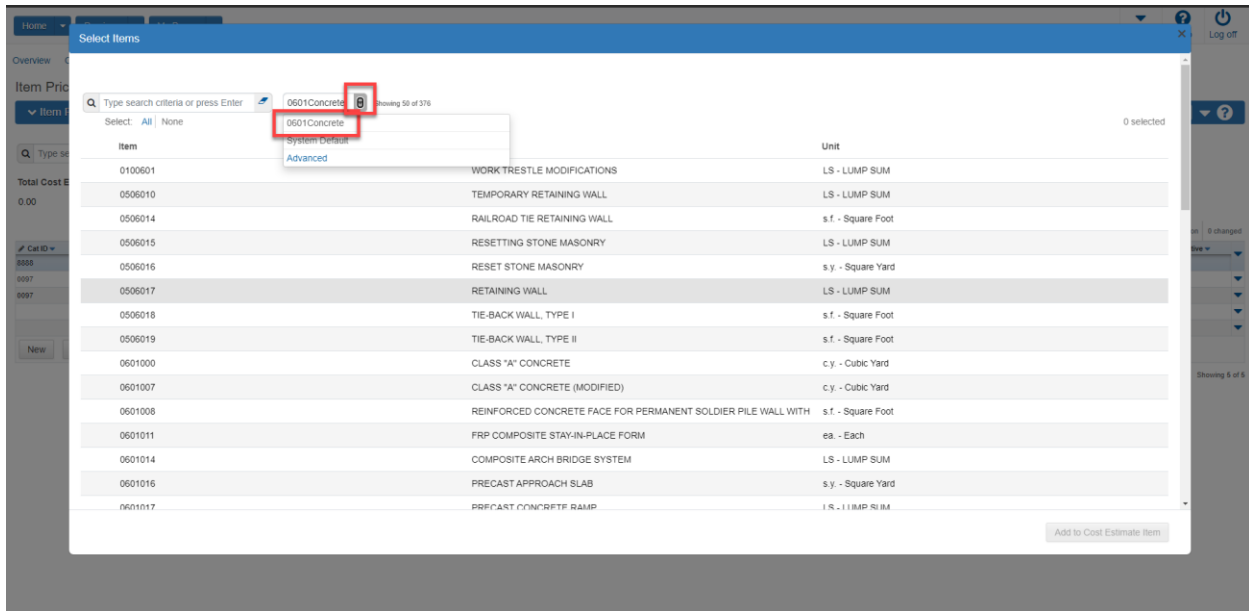
The screenshot shows the 'Select Items' dialog box in a software application. A search bar at the top contains the text '0971001'. Below the search bar, there are three radio buttons labeled 'Select', 'All', and 'None'. The search results are displayed in a table with three columns: 'Item', 'Descr', and 'Unit'. One item is listed: '0971001' with the description 'MAINTENANCE AND PROTECTION OF TRAFFIC' and unit 'LS - LUMP SUM'. The dialog also shows '0 selected' and an 'Add to Cost Estimate Item' button.

Item	Descr	Unit
0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS - LUMP SUM

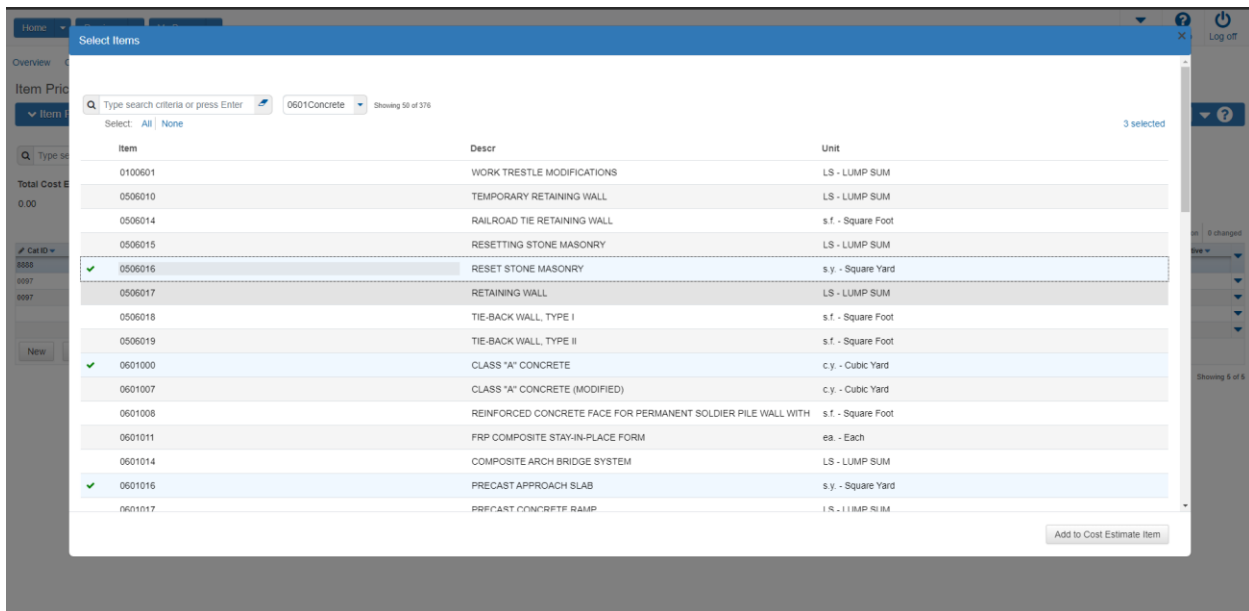
The screenshot shows the 'Select Items' dialog box with a search bar containing '0601'. The search results are displayed in a table with three columns: 'Item', 'Descr', and 'Unit'. The results show 17 items, including 'WORK TRESTLE MODIFICATIONS', 'TEMPORARY RETAINING WALL', 'RAILROAD TIE RETAINING WALL', 'RESETTING STONE MASONRY', 'RESET STONE MASONRY', 'RETAINING WALL', 'TIE-BACK WALL, TYPE I', 'TIE-BACK WALL, TYPE II', 'CLASS "A" CONCRETE', 'CLASS "A" CONCRETE (MODIFIED)', 'REINFORCED CONCRETE FACE FOR PERMANENT SOLDIER PILE WALL WITH', 'FRP COMPOSITE STAY-IN-PLACE FORM', 'COMPOSITE ARCH BRIDGE SYSTEM', 'PRECAST APPROACH SLAB', and 'PRECAST CONCRETE RAMP'. The dialog also shows '0 selected' and an 'Add to Cost Estimate Item' button.

Item	Descr	Unit
0100601	WORK TRESTLE MODIFICATIONS	LS - LUMP SUM
0506010	TEMPORARY RETAINING WALL	LS - LUMP SUM
0506014	RAILROAD TIE RETAINING WALL	s.f. - Square Foot
0506015	RESETTING STONE MASONRY	LS - LUMP SUM
0506016	RESET STONE MASONRY	s.y. - Square Yard
0506017	RETAINING WALL	LS - LUMP SUM
0506018	TIE-BACK WALL, TYPE I	s.f. - Square Foot
0506019	TIE-BACK WALL, TYPE II	s.f. - Square Foot
0601000	CLASS "A" CONCRETE	c.y. - Cubic Yard
0601007	CLASS "A" CONCRETE (MODIFIED)	c.y. - Cubic Yard
0601008	REINFORCED CONCRETE FACE FOR PERMANENT SOLDIER PILE WALL WITH	s.f. - Square Foot
0601011	FRP COMPOSITE STAY-IN-PLACE FORM	ea. - Each
0601014	COMPOSITE ARCH BRIDGE SYSTEM	LS - LUMP SUM
0601016	PRECAST APPROACH SLAB	s.y. - Square Yard
0601017	PRECAST CONCRETE RAMP	LS - LUMP SUM

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



4. Select multiple items as needed

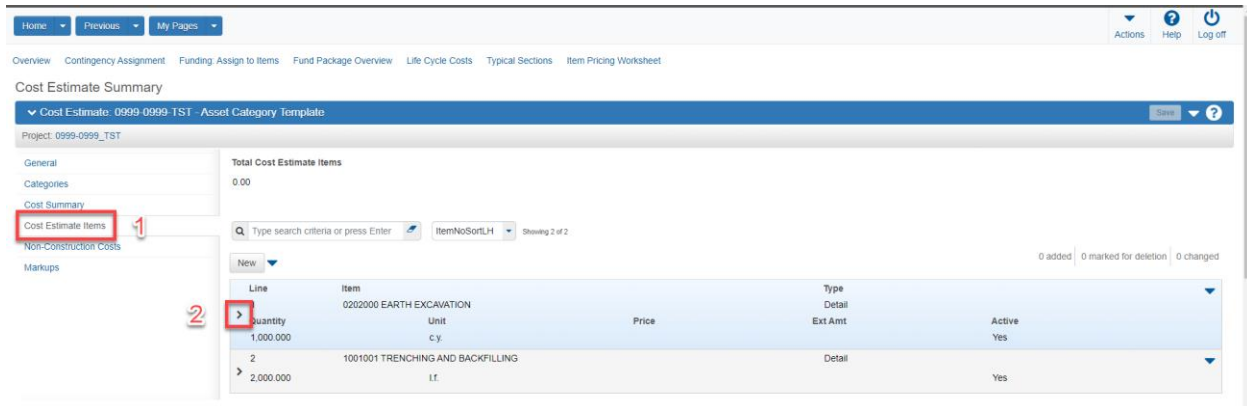


Item Grouping by Design Unit Owner

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)

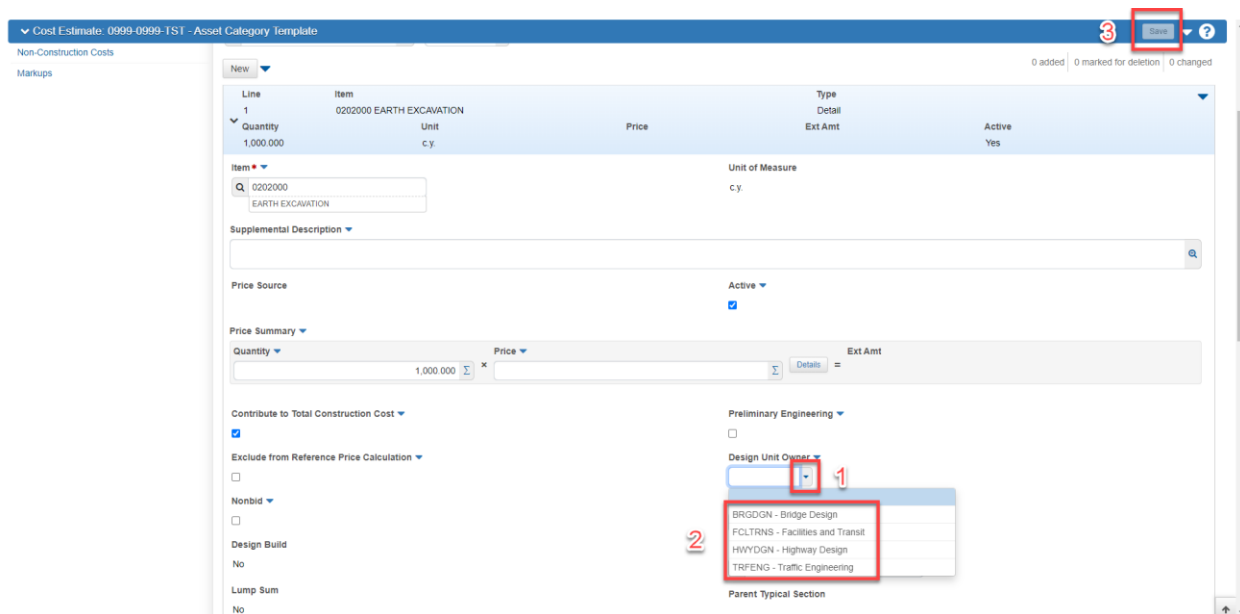
3. Select Item (2)



4. Select Design Unit Owner field dropdown arrow (1)

5. Select proper design unit owner (2)

6. Select Save (3)



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

Type search criteria or press Enter

System Default 1 of 2

Line	Item	Type	Detail	Ext Amt	Active
1	0202000 EARTH EX	Detail	Ext Amt		Yes
2	1001001 TRENCHING	Detail			Yes

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" selected for all non-bid items.

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: 0047-0121 - Route 140 Intersection Improvements at Burbank Road

Project: 0047-0121

General Categories Cost Summary Cost Estimate Items Non-Construction Costs Markups

Parent Attributes

Associated Type: Project

Entity: 0047-0121

Entity Description: Route 140 Intersection Improvements at Burbank Road

Spec Book: 11

Estimate Information

Cost Estimate Name: 0047-0121

Cost Estimate Deser: Route 140 Intersection Improvements at Burbank Road

Estimate Phase: 04 - Final Design

Estimated By: mccollumsa, McCollum Samuel

Cost Estimate Total: 1,000,000

Unit System: English

Improvement Type

Work Type: GENC - GENERAL CONSTRUCTION

Design Build:

Profile: No

Budget Class

Lanemiles

Estimate Type: FINL - Final

2. Filter Non-Bid Items

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save ?

Type search criteria or press Enter 8888NonBid Showing 5 of 5

Total Cost Estimate Items
1,537,461.31

8888NonBid
Temporary
ItemIDSort
8888NonBid
8888NonBid
Advanced

Cat ID	Line	Item	System Default	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Crtrb	Excld	Active
8888	97	3000191	Advanced	LS	1.000	81,000.00000	81,000.00		No	Yes	Yes
8888	101	3100161		LS	1.000	50,500.00000	50,500.00		Yes	No	Yes
8888	102	3100262		LS	1.000	2,050.00000	2,050.00		No	Yes	Yes
8888	103	3100256		LS	1.000	5,011.31000	5,011.31		No	Yes	Yes
8888	104	3100012		LS	1.000				Yes	No	Yes

New Select Items...

Showing 5 of 5

3. Double click "Crtrb" field and remove checkmark.

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet There are unsaved changes. X

Item Pricing Worksheet Save ?

Type search criteria or press Enter 8888NonBid Showing 5 of 5

Total Cost Estimate Items
1,537,461.31

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Crtrb	Excld	Active
8888	97	3000191	TRAFFICMEN (STATE POLICE OFFICERS)	LS	1.000	81,000.00000	81,000.00		<input type="checkbox"/>	Yes	Yes
8888	101	3100161	S.N.E.T.D.B.A. FRONTIER COMM. OF CT	LS	1.000	50,500.00000	50,500.00		No	No	Yes
8888	102	3100262	LIGHTOWER FIBER NETWORKS I, LLC dba CROWN CASTLE FIBER	LS	1.000	2,050.00000	2,050.00		No	Yes	Yes
8888	103	3100256	COMCAST OF CONNECTICUT, INC.	LS	1.000	5,011.31000	5,011.31		No	Yes	Yes
8888	104	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DISTRIBUTION	LS	1.000				Yes	No	Yes

New Select Items...

Showing 5 of 5

4. Double click "Excld" field and activate the checkbox field.

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet There are unsaved changes. X

Item Pricing Worksheet Save ?

Type search criteria or press Enter 8888NonBid Showing 5 of 5

Total Cost Estimate Items
1,537,461.31

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Crtrb	Excld	Active
8888	97	3000191	TRAFFICMEN (STATE POLICE OFFICERS)	LS	1.000	81,000.00000	81,000.00		No	<input checked="" type="checkbox"/>	Yes
8888	101	3100161	S.N.E.T.D.B.A. FRONTIER COMM. OF CT	LS	1.000	50,500.00000	50,500.00		Yes	No	Yes
8888	102	3100262	LIGHTOWER FIBER NETWORKS I, LLC dba CROWN CASTLE FIBER	LS	1.000	2,050.00000	2,050.00		No	Yes	Yes
8888	103	3100256	COMCAST OF CONNECTICUT, INC.	LS	1.000	5,011.31000	5,011.31		No	Yes	Yes
8888	104	3100012	C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DISTRIBUTION	LS	1.000				Yes	No	Yes

New Select Items...

Showing 5 of 5

5. Select "Save"

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save ?

Type search criteria or press Enter 8888NonBid Showing 5 of 5

Total Cost Estimate Items
1,537,461.31

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Contribute	Exclude	Active
8888	97	3000101	TRAFFICMEN (STATE POLICE OFFICERS)	LS	1.000	\$1,000.00000	\$1,000.00		No	Yes	Yes
8888	101	3100101	S.N.E.T. D.B.A. FRONTIER COMM. OF CT	LS	1.000	\$0,500.00000	\$0,500.00		Yes	No	Yes
8888	102	3100202	LIGHTTOWER FIBER NETWORKS I, LLC dba CROWN CASTLE FIBER	LS	1.000	2,050.00000	2,050.00		No	Yes	Yes
8888	103	3100256	COMCAST OF CONNECTICUT, INC	LS	1.000	5,011.31000	5,011.31		No	Yes	Yes
8888	104	3100012	C.L. POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DISTRIBUTION	LS	1.000				Yes	No	Yes

New Select Items...

Showing 8 of 8

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 the “Item Pricing Worksheet”

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: 0047-0121 - Route 140 Intersection Improvements at Burbank Road Save ?

Project: 0047-0121

General

Categories

Cost Summary

Cost Estimate Items

Non-Construction Costs

Markups

Parent Attributes

Associated Type

Project

Entity

0047-0121

Entity Description

Route 140 Intersection Improvements at Burbank Road

Spec Book

11

Unit System

English

Improvement Type

Work Type

GENC - GENERAL CONSTRUCTION

Estimate Information

Cost Estimate Name

0047-0121

Cost Estimate Descr

Route 140 Intersection Improvements at Burbank Road

Estimate Phase

04 - Final Design

Estimated By

mccollumsa
McCollum Samuel

Cost Estimate Total

Design Build

Profile

No

Budget Class

Lanemiles

Estimate Type

FINL - Final

Vendor Name

2. Filter Common Lump Sum Items

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save ?

Type search criteria or press Enter 80CMNLS Showing 4 of 4

Total Cost Estimate Items
1,537,461.31

80CMNLS Temporary
ItemIDSort
80CMNLS
8888NonBid
System Default
Advanced

Cat ID	Line	Item	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Cntrb	Active	Excld
80CMNLS	85	8971001	LS	1.000	228,860.000000	228,860.00	** See Special Provisio...	Yes	Yes	Yes
80CMNLS	98	8201001	LS	1.000	325,148.000000	325,148.00		Yes	Yes	No
80CMNLS	99	8980820	LS	1.000	97,544.000000	97,544.00		Yes	Yes	No
80CMNLS	100	8975004	LS	1.000	325,148.000000	325,148.00		Yes	Yes	No

New Select Items...

Showing 4 of 4

3. Double click "Cntrb" field and activate checkmark.

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet There are unsaved changes. X

Item Pricing Worksheet Save ?

Type search criteria or press Enter 80CMNLS Showing 4 of 4

Total Cost Estimate Items
1,537,461.31

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Cntrb	Active	Excld
80CMNLS	85	8971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1.000	228,860.000000	228,860.00	** See Special Provisio...	<input checked="" type="checkbox"/>	Yes	Yes
80CMNLS	98	8201001	CLEARING AND GRUBBING	LS	1.000	325,148.000000	325,148.00		Yes	Yes	No
80CMNLS	99	8980820	CONSTRUCTION SURVEYING	LS	1.000	97,544.000000	97,544.00		Yes	Yes	No
80CMNLS	100	8975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000	325,148.000000	325,148.00		Yes	Yes	No

New Select Items...

Showing 4 of 4

4. Double click "Excld" field and activate checkmark

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet There are unsaved changes. X

Item Pricing Worksheet Save ?

Type search criteria or press Enter 80CMNLS Showing 4 of 4

Total Cost Estimate Items
1,537,461.31

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Cntrb	Active	Excld
80CMNLS	85	8971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1.000	228,860.000000	228,860.00	** See Special Provisio...	Yes	Yes	<input checked="" type="checkbox"/>
80CMNLS	98	8201001	CLEARING AND GRUBBING	LS	1.000	325,148.000000	325,148.00		Yes	Yes	No
80CMNLS	99	8980820	CONSTRUCTION SURVEYING	LS	1.000	97,544.000000	97,544.00		Yes	Yes	No
80CMNLS	100	8975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000	325,148.000000	325,148.00		Yes	Yes	No

New Select Items...

Showing 4 of 4

5. Select "Save"

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save ?

Type search criteria or press Enter 80CMNLS Showing 4 of 4

Total Cost Estimate Items
1,537,461.31

80CMNLS	65	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1.000	228,860.00000	228,860.00	See Special Provisio...	Yes	Yes	Yes
80CMNLS	95	8201001	CLEARING AND GRUBBING	LS	1.000	325,148.00000	325,148.00		Yes	Yes	No
80CMNLS	99	8980620	CONSTRUCTION SURVEYING	LS	1.000	97,544.00000	97,544.00		Yes	Yes	No
80CMNLS	100	8975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000	325,148.00000	325,148.00		Yes	Yes	No

New Select Items...

Showing 4 of 4

Add Common Lump Sum Item Reference Price

1. Navigate to the Item Pricing Worksheet

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

Unit System: English

Entity: 0999-0999-TST

Improvement Type

Entity Description: Test project created by James Kocaba for Estimation training

Work Type

Spec Book: 11

Estimate Information

Cost Estimate Name: 0999-0999-TST

Design Build:

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

Profile: No

Estimate Phase: 01 - Programming

Budget Class: [Dropdown]

Estimated By: CONNDOT\kocabajt
Kocaba James

Lanemiles: [Text Field]

Cost Estimate Total: [Text Field]

Estimate Type: [Dropdown]

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 Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save ?

Type search criteria or press Enter ItemNumLH Showing 11 of 11

Total Cost Estimate Items
975,983.68

Cat ID	Line	Item	Description	Unit	Quantity	Unit Price	Ext	Method	Price	Active	Regres	Yes	No
01STOGEN	10	0001999A	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1.000	100.00	100.00	Reference		<input type="checkbox"/>			
02CMNLS	6	0201001	CLEARING AND GRUBBING	LS	1.000			Cost Based		<input type="checkbox"/>			
03HWYGEN	1	0202000	EARTH EXCAVATION	c.y.	1,000,000	42.45000	42,450,000	Maintain Item Price Task		<input type="checkbox"/>			
02PAVEMENT	11	0202000	EARTH EXCAVATION	c.y.	1,500,000	39.54000	59,310,000			<input type="checkbox"/>			
01BR-01987	4	0601062	FOOTING CONCRETE	c.y.	200,000	671.14000	134,228,000			<input type="checkbox"/>	Regres...	Yes	No
01BR-01987	5	0501054	ABUTMENT AND WALL CONCRETE	c.y.	400,000	1,302.54000	521,016,000			<input type="checkbox"/>	Regres...	Yes	No
03HWYGEN	3	0969062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12,000	4,794.14000	57,529,680			<input type="checkbox"/>	Regres...	Yes	No
02CMNLS	7	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1.000					<input type="checkbox"/>	Yes	Yes	No
02CMNLS	8	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000					<input type="checkbox"/>	Yes	Yes	Yes
02CMNLS	9	0980020	CONSTRUCTION SURVEYING	LS	1.000					<input type="checkbox"/>	Yes	Yes	Yes
03HWYGEN	2	1001001	TRENCHING AND BACKFILLING	lf	1,500,000	36.70000	55,050,000			<input type="checkbox"/>	Regres...	Yes	No

New Select Items... Showing 11 of 11

4. Select New (1)
5. Enter reference description. For example 1% 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: 0999-0999-TST - Cost Estimate for Training - Created 8/3/23 by James Kocaba - Please do not delete. Save ?

Item information

Line: 6
Item: 0201001 CLEARING AND GRUBBING
Supplemental Description: L.S. - LUMP SUM
Quantity: 1.000
Unit of Measure: L.S. - LUMP SUM
Price:

Type search criteria or press Enter Advanced

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

New 1 added 0 marked for deletion 0 changed

Price Task	Description	Active	Type	Task Unit Price
Price Task	1% of total estimate	Yes		

Price Task

Use Historical Price

Reference Price

Amount

Description 1% of total estimate

Percent of

Percent on top 1.00

Item ID

Spec Book

Active

Task Group

Begin typing to search or press Enter

9. Price is calculated.

Home Previous My Pages Save Complete

Cost Estimate Items Item Pricing Worksheet Task Groups

Reference Price Task Summary

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

Item Information

Line	6	Quantity	1.000
Item	0201001 CLEARING AND GRUBBING	Unit of Measure	LS - LUMP SUM
Supplemental Description		Price	9,755.84000

Q 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	1% of total estimate	Yes	Percent on top	9,755.84000

Price Task Ref001 Use Historical Price

Reference Price

Amount

Description

Percent of

Item ID

Percent on top

Spec Book

Active

Task Group

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

Parent Attributes

Associated Type

Unit System

Project

English

Entity

Improvement Type

0999-0999-TST

Work Type

Entity Description

Test project created by James Kocaba for Estimation training

Spec Book

11

Estimate Information

Cost Estimate Name

0999-0999-TST

Design Build

Cost Estimate Descr

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

Profile

No

Estimate Phase

01 - Programming

Budget Class

Lanemiles

Estimated By

CONNDOT\kocabajt
Kocaba James

Estimate Type

Cost Estimate Total

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

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save ?

Type search criteria or press Enter ItemNumLH Showing 11 of 11

Total Cost Estimate Items

985,339.52

Call ID	Line	Item	Descr	Unit	Quantity	Unit Price	Est Amt
81STDSGN	10	00019PARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1,000	100,000.00000	
80CMNLS	6	02010R1	CLEARING AND GRUBBING	LS	1,000	9,755.84000	
83HWYGEN	1	02020R0	EARTH EXCAVATION	c.y	1,000,000	48.45000	
82PAVEMEN	11	02020R0	EARTH EXCAVATION	c.y	1,500,000	39.54000	
81BR-01887	4	04010R2	FOOTING CONCRETE	c.y	200,000	471.14000	
81BR-01887	5	04010R4	ABUTMENT AND WALL CONCRETE	c.y	400,000	1,302.54000	
83HWYGEN	3	09090R2	CONSTRUCTION FIELD OFFICE, MEDIUM	mo	12,000	4,794.14000	
80CMNLS	7	09710R1	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1,000		
80CMNLS	8	09730R4	MOBILIZATION AND PROJECT CLOSEOUT	LS	1,000		
80CMNLS	9	09060R0	CONSTRUCTION SURVEYING	LS	1,000		
83HWYGEN	2	10010R1	TRENCHING AND BACKFILLING	LF	1,500,000	36.70000	

New Select Items

Showing 11 of 11

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 ...

Export Cost Estimates

Select Cost Estimate Items 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

4. 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

Calculate Bid-Based Prices Process started at 10/06/2023 14:45:35.

Item Pricing Worksheet Save ?

Type search criteria or press Enter ItemNumLH Showing 11 of 11

Total Cost Estimate Items
985,339.52

CatID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Ad Hoc	Crtd	Excl
81STDGEN	10	0001PABA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1,000	100,000.00000	100,000.00		Yes	Yes	No
80CMNLS	6	0201001	CLEARING AND GRUBBING	LS	1,000	9,755.84000	9,755.84		Reference	Yes	Yes
83HWYGEN	1	0202000	EARTH EXCAVATION	c.y.	1,000,000	48.45000	48,450.00		Reges...	Yes	No
02PAVEMENT	11	0202000	EARTH EXCAVATION	c.y.	1,500,000	39.54000	59,310.00		Reges...	Yes	No
01BR-01987	4	0601062	FOOTING CONCRETE	c.y.	200,000	671.14000	134,228.00		Reges...	Yes	No
01BR-01987	5	0601064	ABUTMENT AND WALL CONCRETE	c.y.	400,000	1,302.54000	521,016.00		Reges...	Yes	No
83HWYGEN	3	0999062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12,000	4,794.14000	57,529.68		Reges...	Yes	No
80CMNLS	7	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1,000	1.000			Yes	Yes	No
80CMNLS	8	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1,000	1.000			Yes	Yes	Yes
80CMNLS	9	0980020	CONSTRUCTION SURVEYING	LS	1,000	1.000			Yes	Yes	Yes
83HWYGEN	2	1001001	TRENCHING AND BACKFILLING	lf	1,500,000	36.70000	55,050.00		Reges...	Yes	No

New Select Items... Showing 11 of 11

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

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\kocabajt
Kocaba James

Cost Estimate Total

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. Select the active checkmark box (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 There are unsaved changes.

Item Pricing Worksheet 4 Save ?

Q Type search criteria or press Enter ItemNumLH Showing 11 of 11

Total Cost Estimate Items
928,345.98

CatID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext	Method	Price	3 added	0 marked for deletion	0 changed
31STDGEN	10	0001PARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1.000	100,000.00000	100,000.00					
30CMNLS	6	0201001	CLEARING AND GRUBBING	LS	1.000	9,191.54000	9,191.54	Reference				
33HWYGEN	1	0202000	EARTH EXCAVATION	c.y.	1,000.000	39,540.00	39,540.00	Bid Based	1	2	3	
02PAVEMENT	11	0202000	EARTH EXCAVATION	c.y.	1,500.000	39,540.00	59,310.00					
01BR-01987	4	0601062	FOOTING CONCRETE	c.y.	200.000	674.86000	134,972.00					
01BR-01987	5	0601064	ABUTMENT AND WALL CONCRETE	c.y.	400.000	1,278.55000	511,420.00					
33HWYGEN	3	0999062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12.000	4,868.12000	58,417.44					
30CMNLS	7	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1.000							
30CMNLS	8	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000							
30CMNLS	9	0980020	CONSTRUCTION SURVEYING	LS	1.000							
33HWYGEN	2	1001001	TRENCHING AND BACKFILLING	lf.	1,500.000	36.69000	55,035.00					

New Select Items

Showing 11 of 11

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 Save Complete

Item Pricing Worksheet Save ?

Q Type search criteria or press Enter ItemNumLH Showing 11 of 11

Total Cost Estimate Items
968,281.38

CatID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Pric...	Cribt...	Excltd
31STDGEN	10	0001PARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1.000	100,000.00000	100,000.00				
30CMNLS	6	0201001	CLEARING AND GRUBBING	LS	1.000	9,191.54000	9,191.54	Reference	Yes	Yes	No
33HWYGEN	1	0202000	EARTH EXCAVATION	c.y.	1,000.000	39,540.00	39,540.00	Reges...	Yes	No	No
02PAVEMENT	11	0202000	EARTH EXCAVATION	c.y.	1,500.000	39,540.00	59,310.00	Reges...	Yes	No	No
01BR-01987	4	0601062	FOOTING CONCRETE	c.y.	200.000	674.86000	134,972.00	Reges...	Yes	No	No
01BR-01987	5	0601064	ABUTMENT AND WALL CONCRETE	c.y.	400.000	1,278.55000	511,420.00	Reges...	Yes	No	No
33HWYGEN	3	0999062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12.000	4,868.12000	58,417.44	Reges...	Yes	No	No
30CMNLS	7	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1.000				Yes	Yes	No
30CMNLS	8	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000				Yes	Yes	No
30CMNLS	9	0980020	CONSTRUCTION SURVEYING	LS	1.000				Yes	Yes	No
33HWYGEN	2	1001001	TRENCHING AND BACKFILLING	lf.	1,500.000	36.69000	55,035.00	Reges...	Yes	No	No

New Select Items

Showing 11 of 11

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 'Cost Estimate INCIDTEST - Asset Category Template'. The left sidebar shows the 'Non-Construction Costs' tab selected. The main area shows a table with one entry under 'Incidentals' with a value of 27,968.00. Below the table is a form for adding a new non-construction cost, with fields for 'Non-Construction Cost Name', 'Non-Construction Cost Description', 'Non-Construction Cost Type', 'Non-Construction Cost Group', 'Percent of Total Estimate', 'Non-Construction Cost Amount', and 'Active' checkbox. A 'Save' button 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 displays the 'Cost Estimate Summary' interface for 'Cost Estimate INCIDTEST - Asset Category Template'. The left sidebar shows navigation options: General, Cost Summary, Categories, Cost Estimate Items, Variables, Adhoc Pricing, Non-Construction Costs (highlighted with a red box and callout 1), Markups, Item Pricing Worksheet, and Annualization. The main area shows a table with columns for 'Incidentals', 'INCID', '27,968.00', and 'Yes'. A 'New Non Construction Cost' form is open, 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', 'Non Construction Cost Type', and 'Non Construction Cost Group'. An 'Active' checkbox (callout 6) is at the bottom. A 'Save' button (callout 7) is in the top right corner. A search bar at the top left contains the text 'Type search criteria or press Enter'.

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 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

See the following steps below:

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

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.

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\kocabajt
Kocaba James

Cost Estimate Total

Design Build

Profile

No

Budget Class

Lanemiles

Estimate Type

3. Select New

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save

Type search criteria or press Enter ItemNumLH Showing 9 of 9

Total Cost Estimate Items

816,273.68

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Est Amt	Supp Descr	Pric	Crtd	Excl
80CMNLS	6	0201001	CLEARING AND GRUBBING	LS	1,000						
83HWYGEN	1	0202000	EARTH EXCAVATION	c.y.	1,000,000	48.45000	48,450.00		Reges...	Yes	No
01BR-01987	4	0601052	FOOTING CONCRETE	c.y.	200,000	671.14000	134,228.00		Reges...	Yes	No
01BR-01987	5	0601054	ABUTMENT AND WALL CONCRETE	c.y.	400,000	1,302.54000	521,016.00		Reges...	Yes	No
83HWYGEN	3	0969062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12,000	4,794.14000	57,529.68		Reges...	Yes	No
80CMNLS	7	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1,000					Yes	Yes
80CMNLS	8	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1,000					Yes	Yes
80CMNLS	9	0980020	CONSTRUCTION SURVEYING	LS	1,000					Yes	Yes
83HWYGEN	2	1001001	TRENCHING AND BACKFILLING	lt.	1,500,000	36.70000	55,050.00		Reges...	Yes	No

New Select Items...

Showing 9 of 9

4. Double click in the Cat ID field (1)
5. Select Category 81STGEN (2)

Home Previous My Pages There are unsaved changes. 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 9 of 9

Total Cost Estimate Items
816,273.68

Item	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Regres	Yes	No	Excl
80CMNLS	6	0201001	CLEARING AND GRUBBING	LS	1,000				Yes	Yes		
83HWYGEN	1	0202000	EARTH EXCAVATION	c.y.	1,000,000	48,450.00	48,450.00		Regres.	Yes	No	
01BR-01987	4	0601062	FOOTING CONCRETE	c.y.	200,000	671,140.00	134,228.00		Regres.	Yes	No	
01BR-01987	5	0601064	ABUTMENT AND WALL CONCRETE	c.y.	400,000	1,302,540.00	521,016.00		Regres.	Yes	No	
83HWYGEN	3	0969062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12,000	4,794,140.00	57,529.68		Regres.	Yes	No	
80CMNLS	7	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1,000				Yes	Yes		
80CMNLS	8	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1,000				Yes	Yes		
80CMNLS	9	0980020	CONSTRUCTION SURVEYING	LS	1,000				Yes	Yes		
83HWYGEN	2	1001001	TRENCHING AND BACKFILLING	lf.	1,500,000	36,700.00	55,050.00		Regres.	Yes	No	

Showing 9 of 9

1 Begin typing to search or press Enter

- 12RDWYSAFHWD
- 83HWYGEN
- 84TRAFSTY
- 85ENVRMT
- 8888
- 01BRGEN
- 81STDGEN
- 01BR-01987

2

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

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 9 of 9

Total Cost Estimate Items
816,273.68

Item	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Regres	Yes	No	Excl
80CMNLS	6	0201001	CLEARING AND GRUBBING	LS	1,000				Yes	Yes		
83HWYGEN	1	0202000	EARTH EXCAVATION	c.y.	1,000,000	48,450.00	48,450.00		Regres.	Yes	No	
01BR-01987	4	0601062	FOOTING CONCRETE	c.y.	200,000	671,140.00	134,228.00		Regres.	Yes	No	
01BR-01987	5	0601064	ABUTMENT AND WALL CONCRETE	c.y.	400,000	1,302,540.00	521,016.00		Regres.	Yes	No	
83HWYGEN	3	0969062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12,000	4,794,140.00	57,529.68		Regres.	Yes	No	
80CMNLS	7	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1,000				Yes	Yes		
80CMNLS	8	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1,000				Yes	Yes		
80CMNLS	9	0980020	CONSTRUCTION SURVEYING	LS	1,000				Yes	Yes		
83HWYGEN	2	1001001	TRENCHING AND BACKFILLING	lf.	1,500,000	36,700.00	55,050.00		Regres.	Yes	No	
81STDGEN			FINANCE PARAMETRIC ITEM	LS								

Showing 9 of 9

Q para

- 0001PARA
- 0002PARA
- 0003PARA
- 0004PARA
- 0005PARA

9. Enter a lump Sum quantity of 1.0

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save

Type search criteria or press Enter ItemNumLH Showing 9 of 9

Total Cost Estimate Items

Item	QTY	Unit	Unit Price	Ext Amt	Supp Descr	Phic...	Cntrb	Excl
80CMNLS 6	0201001	CLEARING AND GRUBBING	LS	1,000				
83HWYGEN 1	0202000	EARTH EXCAVATION	c.y.	1,000,000	48,450.00	Reges...	Yes	No
01BR-01987 4	0601062	FOOTING CONCRETE	c.y.	200,000	671,140.00	Reges...	Yes	No
01BR-01987 5	0601064	ABUTMENT AND WALL CONCRETE	c.y.	400,000	1,302,540.00	Reges...	Yes	No
83HWYGEN 3	0969062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12,000	4,794,140.00	Reges...	Yes	No
80CMNLS 7	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1,000				
80CMNLS 8	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1,000				
80CMNLS 9	0980020	CONSTRUCTION SURVEYING	LS	1,000				
83HWYGEN 2	1001001	TRENCHING AND BACKFILLING	lf.	1,500,000	36,700.00	Reges...	Yes	No
81STDGEN	0001PARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1,000				

New Select Items...

Showing 9 of 9

10. Enter the manually calculated lump sum unit price (1)

11. Click Save (2)

Home Previous My Pages Actions Help Log off

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet Save

Type search criteria or press Enter ItemNumLH Showing 9 of 9

Total Cost Estimate Items

Item	QTY	Unit	Unit Price	Ext Amt	Supp Descr	Phic...	Cntrb	Excl
80CMNLS 6	0201001	CLEARING AND GRUBBING	LS	1,000				
83HWYGEN 1	0202000	EARTH EXCAVATION	c.y.	1,000,000	48,450.00	Reges...	Yes	No
01BR-01987 4	0601062	FOOTING CONCRETE	c.y.	200,000	671,140.00	Reges...	Yes	No
01BR-01987 5	0601064	ABUTMENT AND WALL CONCRETE	c.y.	400,000	1,302,540.00	Reges...	Yes	No
83HWYGEN 3	0969062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12,000	4,794,140.00	Reges...	Yes	No
80CMNLS 7	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1,000				
80CMNLS 8	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1,000				
80CMNLS 9	0980020	CONSTRUCTION SURVEYING	LS	1,000				
83HWYGEN 2	1001001	TRENCHING AND BACKFILLING	lf.	1,500,000	36,700.00	Reges...	Yes	No
81STDGEN	0001PARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1,000	100,000.00			

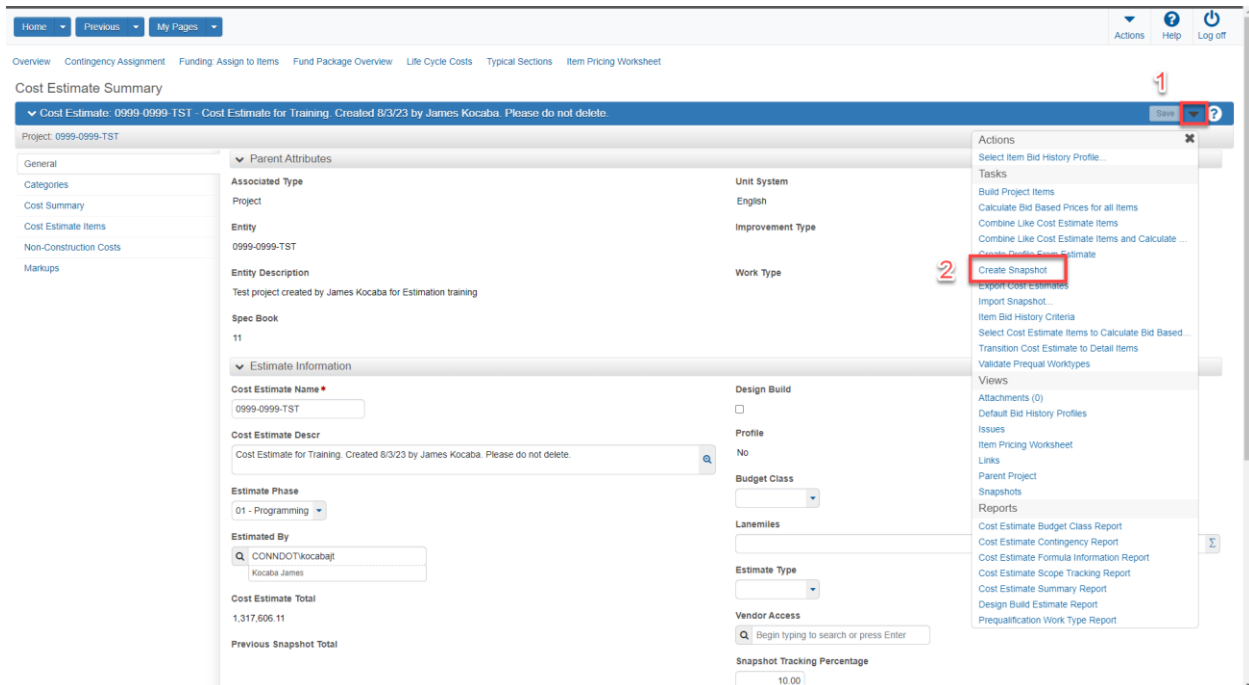
New Select Items...

Showing 9 of 9

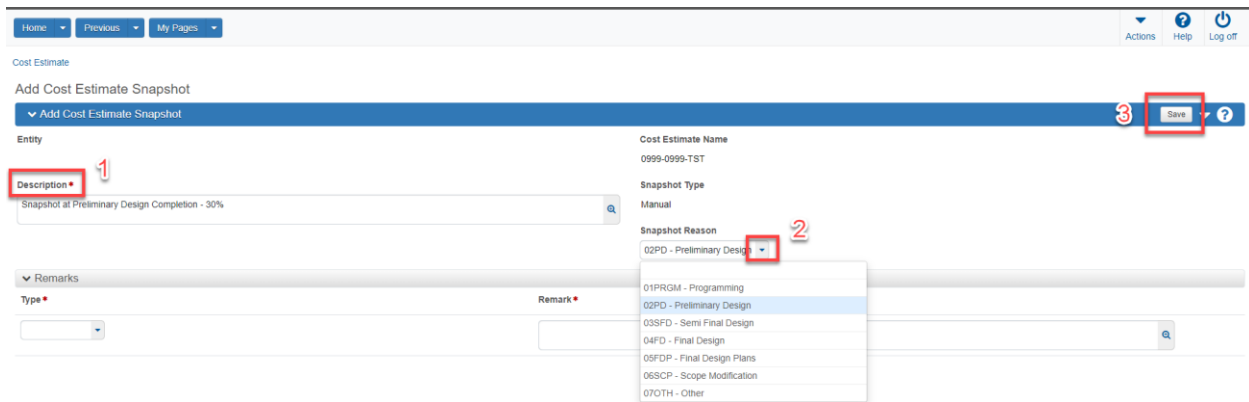
Snapshots and Cost Estimate Phase Transition

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)



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



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

Home Previous My Pages Actions Help Log off

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
 Cost Summary Snapshot
 Cost Estimate Items 001
 Non-Construction Costs Description *
 Markups Snapshot at Preliminary Design Completion - 30%
 Item Pricing Worksheet Created By
 CONNDOT\kocabaj
 Snapshot Reason
 02PD - Preliminary Design
 Created Date
 10/17/2023 10:53:57 AM

Remarks
 Type Remark

9. Navigate back to the current cost estimate

Home Previous My Pages Actions Help Log off

Cost Estimate

Cost Estimate Snapshot Overview

Cost Estimate Snapshot Overview

Type search criteria or press Enter Advanced Showing 1 of 1

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

0 marked for deletion 0 changed

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

- Select action item arrow adjacent to the save button (1)
- Select the "Snapshots" hyperlink (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: 0999-0999-TST - Cost Estimate for Training. Created 8/3/23 by James Kocaba. Please do not delete.

Project: 0999-0999-TST

General Parent Attributes

Associated Type Unit System
 Project English
 Entity Improvement Type
 0999-0999-TST
 Entity Description Work Type
 Test project created by James Kocaba for Estimation training

Spec Book
 11

Estimate Information

Cost Estimate Name *
 0999-0999-TST
 Design Build

 Profile
 No
 Budget Class
 Estimate Phase
 01 - Programming
 Estimated By
 CONNDOT\kocabaj
 Kocaba James
 Cost Estimate Total
 1,317,606.11
 Previous Snapshot Total
 1,317,606.11

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 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
- Prequalification Work Type Report

Build Project Items (Completed at FDP Only)

Initiate "Build Project Items" process at FDP after cost estimate has been finalized .

1. Navigate to the Cost Estimate General tab

The screenshot shows the 'Cost Estimate Summary' page for 'Cost Estimate: 0103-0277TEST - Big Bridge over small river'. The 'General' tab is highlighted in the left sidebar. The main content area is divided into 'Parent Attributes' and 'Estimate Information' sections. The 'Parent Attributes' section includes fields for 'Associated Type', 'Project', 'Entity', 'Entity Description', and 'Spec Book'. The 'Estimate Information' section includes fields for 'Cost Estimate Name', 'Cost Estimate Descr', 'Estimate Phase', 'Estimated By', 'Cost Estimate Total', and 'Vendor Access'. A 'Save' button is visible in the top right corner of the main content area.

2. Select the action dropdown arrow to the right of the save button (1)

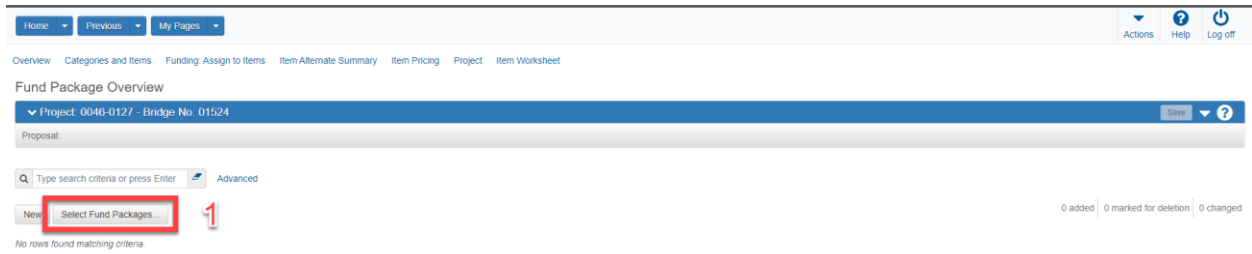
3. Select Build Project Items (2)

This screenshot shows the same 'Cost Estimate Summary' page as the previous one, but with the 'Actions' dropdown menu open. The 'Build Project Items' option is highlighted with a red box and labeled with a '2'. The dropdown menu lists various actions such as 'Select Item Bid History Profile...', 'Tasks', 'Build Project Items', 'Combine Like Cost Estimate Items', 'Create Profile From Estimate', 'Export Cost Estimates', 'Import Snapshot...', 'Item Bid History Criteria', 'Select Cost Estimate Items to Calculate Bid Ba...', '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', and 'Cost Estimate Scope Tracking Report'. The 'Save' button is still visible in the top right corner.

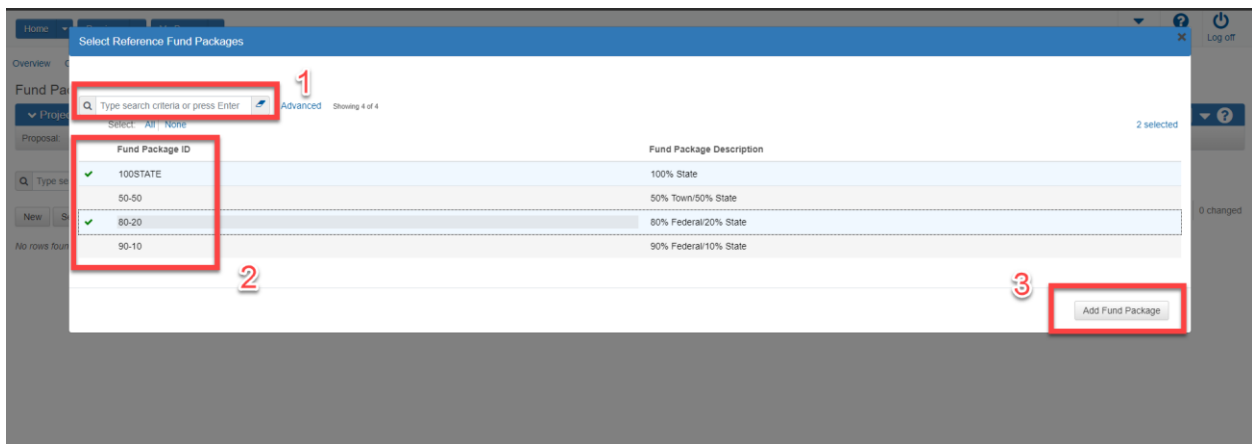
Update Project Fund Packages

1. Navigate to the General Tab on the Project Summary Screen (1)
2. Select "Fund Package Overview" along the main navigation header (2)

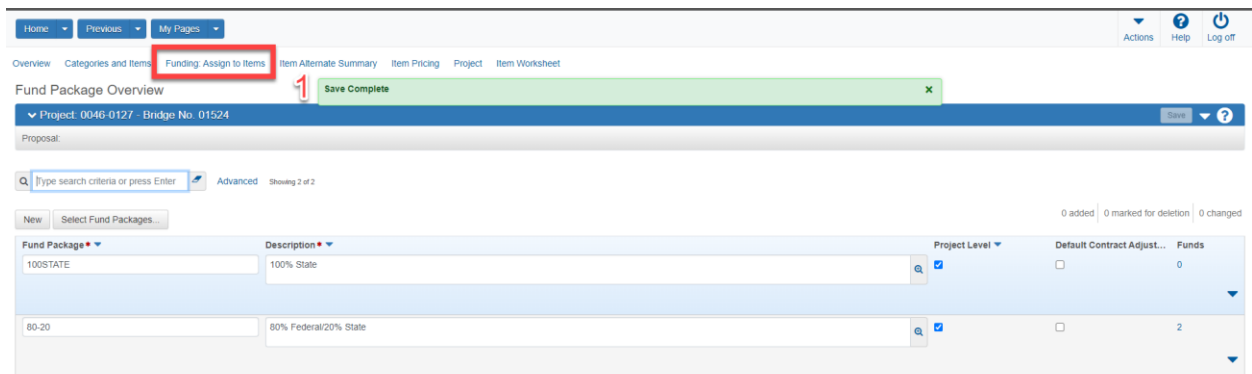
3. Click on "Select Fund Packages" button (1)



4. Type Fund Package ID into search bar or press enter for all fund packages (1)
5. Select individual fund packages for assignment to the project (2)
6. Select "Add Fund Package" (3)



7. Select "Funding Assign to Items" (1)



8. Assign funds by selecting all project items, asset categories or individual items (1).
9. Click "Save" (2)

Project Funding Assignment

Project: 0046-0127 - Bridge No. 01524

Proposal:

All Project Items

- 01-01524 - Route 191 over the Scantic River in East Windsor
 - 0010 0020903 LS LEAD COMPLIANCE FOR MISCELLANEOUS EXTERIOR TASKS
- 99-General - General
 - 0020 0201001 LS CLEARING AND GRUBBING
 - 0030 0202000 c.y. EARTH EXCAVATION
 - 0040 0202452 ea. TEST PIT

Fund Package	Description	Funds
(A) 100STATE	100% State	0
(B) 80-20	80% Federal/20% State	2

Change Project Workflow from 10 to 20

The final step in the cost estimate process is to change the project workflow from 10 – Concept and Milestone Estimate to 20 – Processing for Final Estimate and Proposal. Once complete Contract Development will be automatically notified by email that the cost estimate is ready for final processing.

1. Navigate to the Project Summary screen and select workflow

Project Summary

Project: 0999 0999-TST - Test project created by James Kocaba for Estimation training on July 20, 2023... do not delete

Proposal:

General

Project Number: 0999-0999-TST

Project Description: Test project created by James Kocaba for Estimation training on July 20, 2023... do not delete

Spec Book (Item List 11 = Engl, 10 = Metric): 11

Unit System: English

Federal Project Number: [Empty]

Project Work Type: [Empty]

Project Item Total: [Empty]

State Project Number: [Empty]

Project Engineer: [Empty]

Designed By: [Empty]

Id: 2360

Created By: [Empty]

Incidentals and Contingencies: [Empty]

Highway Type: [Empty]

Urban/Rural: [Empty]

Historical Inc and Cont-LEAVE BLANK: [Empty]

Primary Project County: NH-VN - New Haven

Primary Project District ID: 3 - New Haven

Town 1: [Empty]

Town 2: [Empty]

Town 3: [Empty]

Town 4: [Empty]

Town 5: [Empty]

Town 6: [Empty]

2. Ensure that the Standard ConnDOT Workflow is selected (1)
3. Select the WorkflowPhase drop down arrow (2)

Home Previous My Pages Actions Help Log off

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

Project Summary

Project: 0999-0999-TST - Test project created by James Kocaba for Estimation training on July 20, 2023. do not delete Save ?

Proposal:

General

Workflow

Standard ConnDOT Workflow 1

WorkflowPhase

10-Concept and Milestone Estimates 2

Counties

Districts

Points

Road Segments

Bridge Segments

Workflow

4. Select 20 – Processing for Final Estimate and Proposal. *****Important***** Please select only phase 20. If different phase is selected and saved, you cannot go back and Contract Development will not be notified.

Home Previous My Pages Actions Help Log off

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

Project Summary

Project: 0999-0999-TST - Test project created by James Kocaba for Estimation training on July 20, 2023. do not delete Save ?

Proposal:

General

Workflow

Standard ConnDOT Workflow

WorkflowPhase

10-Concept and Milestone Estimates

10-Concept and Milestone Estimates

20-Processing for Final Estimate and Proposal

30-Processing and Contracts Overlap before Advertisement

40-Contracts-Advertisement Phase

50-Contracts - Addenda Phase

60-Contracts - Letting Day Processing

80-Contracts Post Bid Letting Activities

90-Contracts Award and Rejection Determination

100-Preconstruction Activities completed

110-Contract and Public Notice

Counties

Districts

Points

Road Segments

Bridge Segments

Workflow

5. Select Save

Home Previous My Pages Actions Help Log off

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

Project Summary

Project: 0999-0999-TST - Test project created by James Kocaba for Estimation training on July 20, 2023. do not delete Save ?

Proposal:

General

Workflow

Standard ConnDOT Workflow

WorkflowPhase

20-Processing for Final Estimate and Proposal

Counties

Districts

Points

Road Segments

Bridge Segments

Workflow