

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:

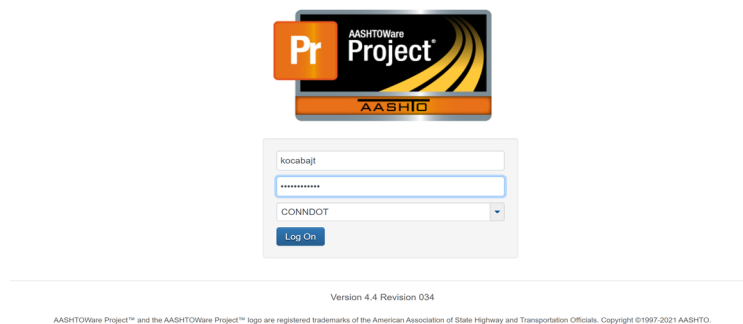
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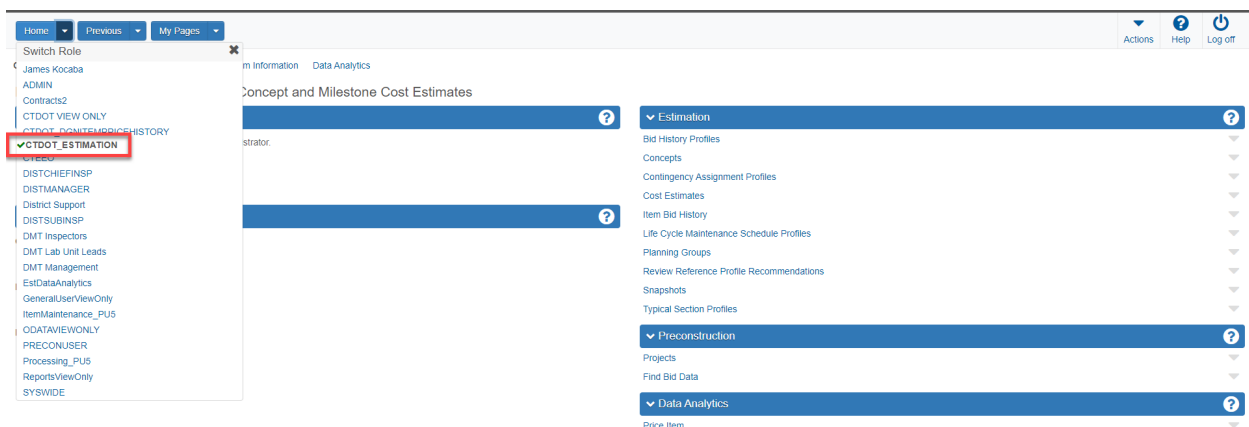
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Log into AASHTOWare Project

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)
bca290c5-34dd-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

Home Previous My Pages

Project Overview

Project Overview

Q Type search criteria or press Enter CreatedDate Showing 50 of 1998

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	ONAr - obesebea.aye-addo@ct.gov	SIGN - SIGNS	20-Processing
0301-0195	0301-0195	Danien 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

Actions

- Add
- Tasks
- Check In
- Import

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.

Overview

Add Project

▼ Add Project

General

Counties

Districts

Points

Project Number •

TEST9998

Project Description •

TEST9998

Federal Project Number

State Project Number

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

11

Unit System •

English

Project Work Type

Project Engineer

Save ?

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

Overview

Add Project

▼ Add Project

General

Counties

Districts

Points

New

County

Pct of Work in County

Primary

1 added | 0 marked for deletion | 0 changed

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

Overview

Add Project

▼ Add Project

General

Counties

Districts

Points

New

District ID

District Description

Primary

1 added | 0 marked for deletion | 0 changed

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

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Overview 4

Add Project

General Counties Districts Points 1

New 2

MidPoint

Type Description Latitude Longitude

MidPoint

Save 3

1 added 0 marked for review 0 changed

Update Project Summary Information

1. Select proper Project

Home Previous My Pages

Project Overview

Project Overview Save ?

Type search criteria or press Enter CreatedDate Showing 50 of 1992

0 changed

TEST9998	TEST9998				
Project Number	Proposal	Descr	Project Engineer	Project Work Type	Phase
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"

- 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.

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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: 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
CONNDOT\kocabajt

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

Incidentals and Contingences

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

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

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

Proposal:

General

Counties

Districts

Points

Road Segments

Bridge Segments **1**

Workflow

Search: Type search criteria or press Enter Advanced Showing 1 of 1

0 added | 0 marked for deletion | 0 changed

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

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

Project Summary

Project: TEST9998 - TEST9998

Proposal:

General

Counties

Districts

Points

Road Segments

Bridge Segments

Workflow

Workflow

Standard ConnDOT Workflow

WorkflowPhase

10-Cost Estimate Phases

10-Cost Estimate Phases

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 not to Adhere (NTA)

Save

Create Project Cost Estimate

1. Select "Cost Estimate"

Project Summary

Project: TEST20221005 - Asset Info

Proposal:

General

Counties

Districts

Points

Road Segments

Bridge Segments

Workflow

Project Number

TEST20221005

Project Description *

Asset Info

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

11

Unit System *

English

Federal Project Number

Project Work Type

STRC - STRUCTURAL CONCRETE

Project Item Total

State Project Number

Project Engineer

Designed By

Incidentals and Contingences

Historical Inc and Cont-LEAVE BLANK

Primary Project County

LTFD - Litchfield

Primary Project District ID

5 - Statewide (Brewery Stree, New Haven)

Town 1

Town 2

Town 3

Town 4

Town 5

Town 6

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)

Project Cost Estimate Summary

Project: 0046-0127 - Bridge No. 01524

Proposal:

General

Cost Estimates

Project Number: 0046-0127

Project Description: Bridge No. 01524

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

Unit System: English

Primary Project County: HTFD - Hartford

Primary Project District ID: 2 - Norwich

Urban/Rural: Urban/Rural

Project Work Type:

Construction Year (1)

Estimated Date (2)

Letting Date (3)

Highway Type (4)

Season (5)

Terrain (6)

Save (7)

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

Project Cost Estimate Summary

Project: TEST9998 - TEST9998

Proposal:

General

Cost Estimates (1)

Search: Type search criteria or press Enter

Advanced

Show All

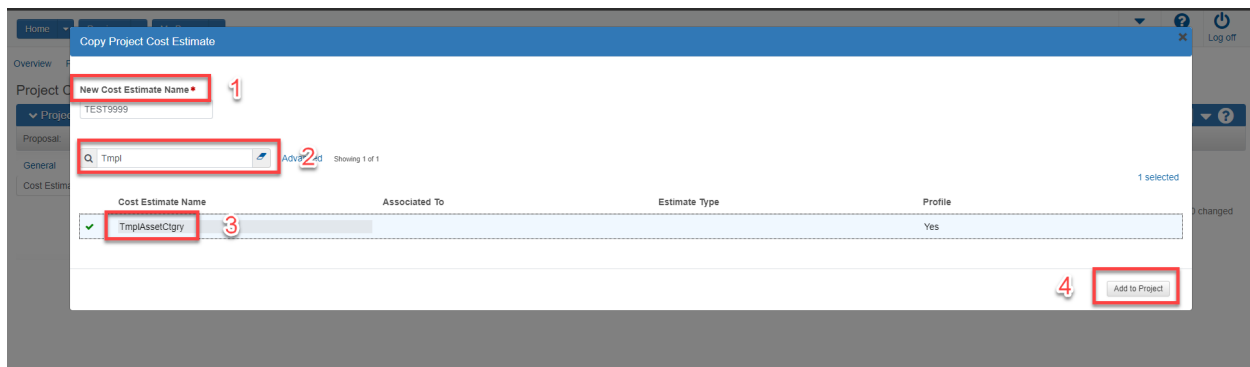
0 marked for deletion | 0 changed

Ad (2)

Actions

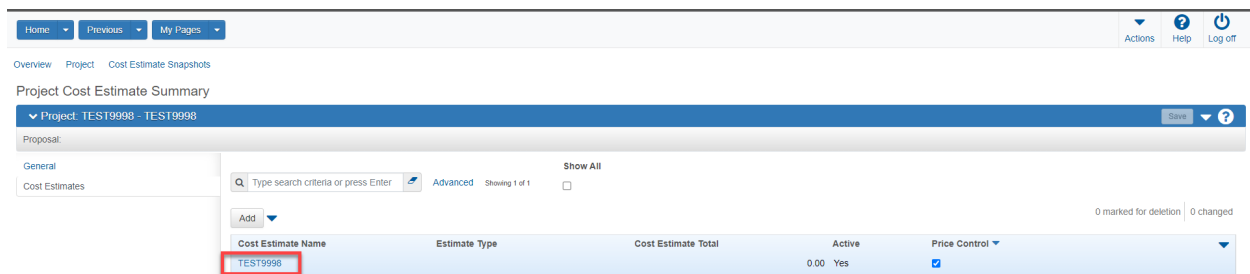
Copy Cost Estimate (3)

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)

The screenshot shows the 'Cost Estimate Summary' form for 'TEST9999 - Asset Category Template'. The form is divided into several sections:

- General Tab (1):** The left sidebar shows the 'General' tab selected.
- Parent Attributes:** Includes fields for 'Associated Type', 'Project', 'Entity', 'Entity Description', 'Spec Book', 'Unit System', 'English', 'Improvement Type', and 'Work Type'.
- Estimate Information:**
 - Cost Estimate Name (2):** A text field containing 'TEST9999'.
 - Cost Estimate Descr (3):** A text field containing 'Asset Category Template'.
 - Estimate Phase (4):** A dropdown menu.
 - Estimated By (5):** A text field with a search icon and placeholder text 'Begin typing to search or press Enter'.
 - Cost Estimate Total:** A text field showing '0.00'.
 - Previous Snapshot Total:** A text field.
 - Design Build:** A checkbox.
 - Profile:** A dropdown menu set to 'No'.
 - Budget Class:** A dropdown menu.
 - Lanemiles:** A text field with a search icon.
 - Estimate Type (6):** A dropdown menu.
 - Vendor Access:** A text field with a search icon and placeholder text 'Begin typing to search or press Enter'.
 - Snapshot Tracking Percentage:** A text field.
 - Active:** A checkbox set to 'Yes'.
- Additional Information:**
 - Bid Based:**
 - Bid History Profile:** A text field with a search icon and placeholder text 'Begin typing to search or press Enter'.
 - Cost Based:**
 - Labor Rate Class:** A dropdown menu.
 - Equipment Rate Class:** A dropdown menu.
 - Material Rate Class:** A dropdown menu.
 - Davis/Bacon Indicator:** A checkbox.

Numbered callouts (1-6) are placed over the following elements:

- General tab in the sidebar.
- Cost Estimate Name field.
- Cost Estimate Descr field.
- Estimate Phase dropdown.
- Estimated By field.
- Estimate Type dropdown.

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

New Cost Estimate: TEST9998 - Asset Category Template Save ?

General 1

Cost Summary
Categories
Cost Estimate Items
Variables
Adhoc Pricing
Non-Construction Costs
Markups
Item Pricing Worksheet
Annualization

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 Descr
Asset Category Template

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

Snapshot Tracking Percentage

Active
Yes

Additional Information

Bid Based

Bid History Profile
3YRENG

Typical Section Bid History Profile

3YRENG
3 Year English Bid History Profile

Cost Based

Labor Rate Class

Equipment Rate Class

Material Rate Class

Davis/Bacon Indicator
☐

2

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)

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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

Cost Summary
Categories
Cost Estimate Items
Variables
Adhoc Pricing
Non-Construction Costs
Markups
Item Pricing Worksheet
Annualization

Parent Attributes

Associated Type
Project
Entity
TEST9998
Entity Description
TEST9998
Spec Book
11

Estimate Information

Cost Estimate Name
TEST9998
Cost Estimate Descr
Asset Category Template
Estimate Phase
Estimated By
Cost Estimate Total
0.00
Previous Snapshot Total

Unit System
English
Improvement Type
Work Type
Design Build
Profile
No
Budget Class
Lanemiles
Estimate Type
Vendor Access

Actions 2

Select Item Bid History Profile... 3

Tasks
Build Project Items
Calculate Bid Based Prices for all Items
Combine Like Cost Estimate Items
Combine Like Cost Estimate Items and Calculat...
Create Profile From Estimate
Create Snapshot
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
Cost Estimate Scope Tracking Report

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

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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

Cost Summary
Categories
Cost Estimate Items
Variables
Adhoc Pricing
Non-Construction Costs
Markups
Item Pricing Worksheet
Annualization

Parent Attributes

Associated Type
Project
Entity
TEST9998
Entity Description
TEST9998
Spec Book
11

Estimate Information

Cost Estimate Name
TEST9998
Cost Estimate Descr
Asset Category Template
Estimate Phase
Estimated By
Cost Estimate Total
0.00
Previous Snapshot Total

Unit System
English
Improvement Type
Work Type
Design Build
Profile
No
Budget Class
Lanemiles
Estimate Type
Vendor Access

Select Item Bid History Profile

Q Type search criteria or press Enter Advanced Showing 4 of 4 1 selected

Bid History Profile	Description	User Defined	Cost Estimate Name
1YRENG	1 Year English Bid History Profile	No	
3YRENG	3 Year English Bid History Profile	No	
SYRENGCOPY	3 Year English Bid History Profile	No	
SYRENG	5 Year English Bid History Profile	No	

Estimate Information

Cost Estimate Name
TEST9998
Cost Estimate Descr
Asset Category Template
Estimate Phase
Estimated By
Cost Estimate Total
0.00
Previous Snapshot Total

Unit System
English
Improvement Type
Work Type
Design Build
Profile
No
Budget Class
Lanemiles
Estimate Type
Vendor Access

Copy Profile to Cost Estimate 2

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

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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

Cost Summary

Categories

Cost Estimate Items

Variables

Adhoc Pricing

Non-Construction Costs

Markups

Item Pricing Worksheet

Annualization

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 Descr

Asset Category Template

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

Snapshot Tracking Percentage

Active

Yes

Additional Information

Bid Based

Bid History Profile

3YRENG

Typical Section Bid History Profile

3YRENG

3 Year English Bid History Profile

Cost Based

Labor Rate Class

Equipment Rate Class

Material Rate Class

Davis/Bacon Indicator

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: TmplAssetCtgr - 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

New			
>	01BR-XXXXX	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
>	8888	Non-Contract Items	Category Total

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: TmplAssetCtgr - 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

New				
>	01BR-XXXXX	Bridge location and description		
>	Category	Federal Asset Work Type	Category Descr	Category Total
>	01BRGEN	Bridge General		Actions
>	02PAVEMENT	Pavement Treatments		Delete
>	03TRSGNL-XXX-XXXX	Traffic Signal location and description		Duplicate Row
>	04SIGN	Sign Location and description		Exclude from Search Results
>	05SIGNSPRT-XXX	Sign Support location and description		Insert Row
>	06PVMTRK	Pavement Markings location and description		Views
>	07HIGHWAYBLDGS	Highway Buildings (Tier 1,2,3) Location and description		Attachments (0)
>	08RDWYLLMTN	Roadway Illumination location and description		Links
>	09RETAININGWALL	Retaining Walls location and description		Tracked Issues
>	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		

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)

Cost Estimate: 0999-0999-TST - Cost Estimate for Item

There are unsaved changes.

Project: 0999-0999-TST

General

Categories

Cost Summary

Cost Estimate Items

Non-Construction Costs

Markups

Search criteria or press Enter

CategoryIDSort

Showing 12 of 12

1 added | 0 marked for deletion | 0 changed

New

Category	Category Descr	Category Total	Actions
01BR-01987	195 NB over Big River	646,392.00	Delete Duplicate Row Exclude from Search Results Insert Row Views Attachments (0) Links Tracked Issues
01BR-01987	195 NB over Big River	646,392.00	
01BRGEN	Bridge General		
02PAVEMENT	Pavement Treatments	59,310.00	
06PVMTRK	Pavement Markings location and description		
10DRAINAGE	Drainage Culverts location and description		
12RDWYSAFHDW	Roadway Safety Hardware - location and description		
80CMNLS	Common Lump Sum Items	9,586.94	
81STDGEN	Standard General (Field Office, etc...)	100,000.00	
83HWYGEN	Highways General	152,992.44	
84TRAFSFTY	Traffic Safety		
85ENVVMT	Environmental		
8888	Non-Contract Items		

Category *

Category Descr *

Category Alternate Set

Category Alternate Member

Grouping Code

Low Cost Flag

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

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: 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

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

Unit System

English

Improvement Type

Work Type

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
0000	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

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

1 added 0 marked for deletion 0 changed

Showing 1 of 1

Begin typing to search or press Enter

- 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

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
		0201001	CLEARING AND GRUBBING	LS					Yes

1 added 0 marked for deletion 0 changed

Showing 1 of 1

New Select Items...

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

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	0201001	CLEARING AND GRUBBING	LS	1.000				Yes

0 added 0 marked for deletion 0 changed

Showing 2 of 2

New Select Items...

- Double click on "Supp Descr" if required
- Enter "*** See Special Provisions ***" (1)
- 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
		0201001	CLEARING AND GRUBBING	LS	1.000				

New Select Items...

Showing 0 of 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 System Default

Total Cost Estimate Items

Supp Descr

** 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

Item Pricing Worksheet Save ?

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

Total Cost Estimate Items

There are unsaved changes.

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		0980020	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

0 added 0 marked for deletion 0 changed

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Active
888	10	3180912	C.L. POWER CO. dba EVERSOURCE ENERGY: ELECTRICAL DISTRIBUTION	LS	1.000				Yes
0997	20	0201001	CLEARING AND GRUBBING	LS	1.000				Yes
0997	30	0980020	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 Showing 3 of 3

Total Cost Estimate Items
0.00

0 added 0 marked for deletion 0 changed

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

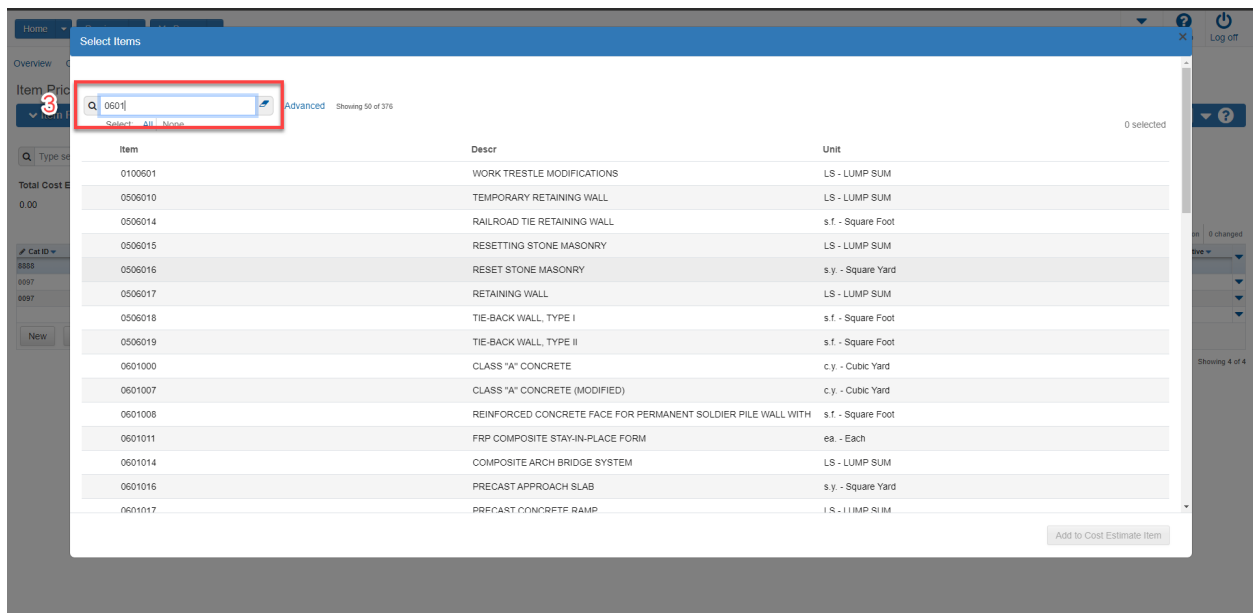
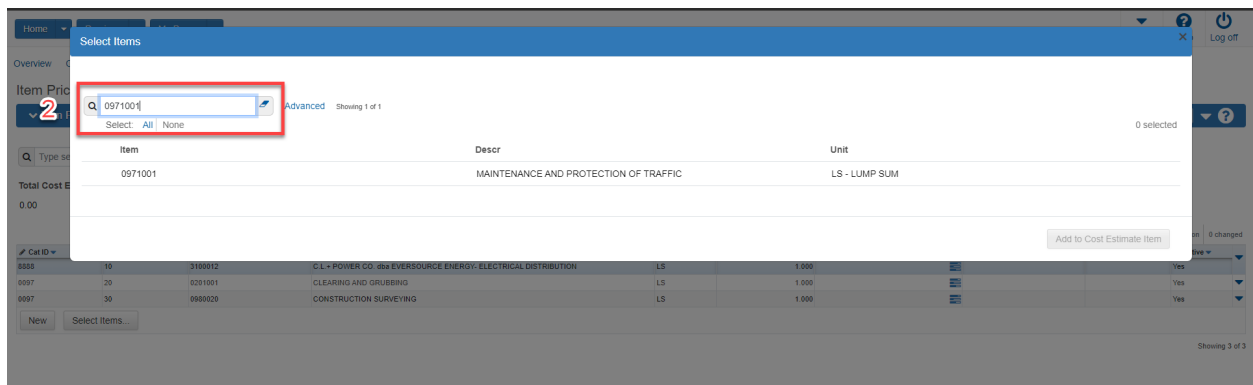
Item Pricing Worksheet Save ?

Q concrete Advanced Showing 50 of 579

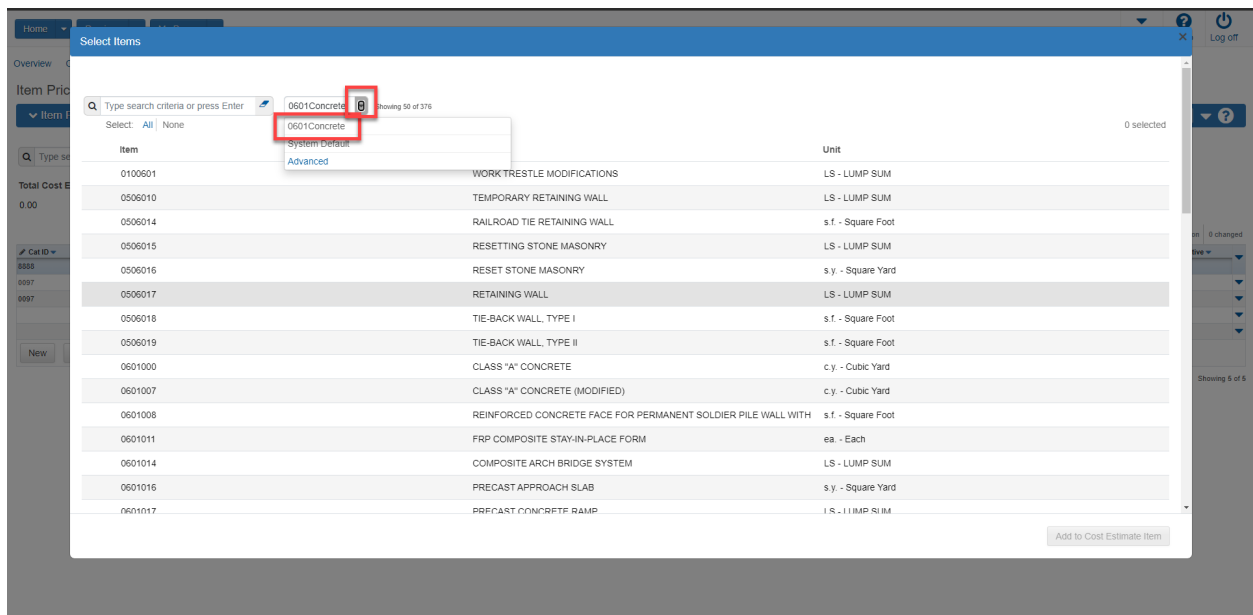
0 selected

Item	Descr	Unit
0000377	ELECTRICAL DUCT BANK, 8-4" CONCRETE ENCASED PVC IN TURF	l.f. - Linear Foot
0000383	ELECTRICAL DUCT BANK, 8-4" CONCRETE ENCASED PVC IN PAVEMENT	l.f. - 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	l.f. - Linear Foot
0100085	PRECAST CONCRETE FUEL LINE PIT	ea. - Each
0100038	CARL F. TRONIGH HIGH DENSITY POLYMER CONCRETE	l.f. - Linear Foot

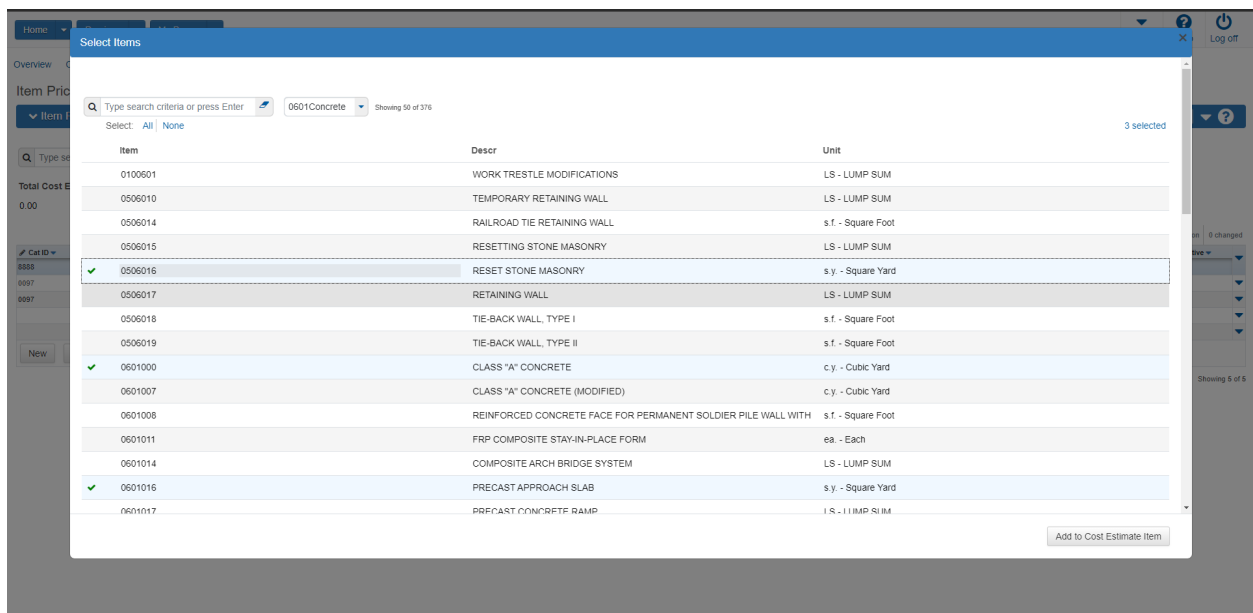
Add to Cost Estimate Item



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)

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 - Asset Category Template Save ?

Project: 0999-0999-TST

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

Total Cost Estimate Items: 0.00

Q Type search criteria or press Enter ItemNoSortLH Showing 2 of 2

0 added 0 marked for deletion 0 changed

Line	Item	Type	Detail	Active
1	0202000 EARTH EXCAVATION	Unit	Ext Amt	Yes
Quantity	1,000.000	c.y.		
2	1001001 TRENCHING AND BACKFILLING	Detail		Yes
Quantity	2,000.000	I.F.		

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 3 Save ?

Non-Construction Costs Markups

New 0 added 0 marked for deletion 0 changed

Line	Item	Type	Detail	Active
1	0202000 EARTH EXCAVATION	Unit	Ext Amt	Yes
Quantity	1,000.000	c.y.		

Item 0202000 EARTH EXCAVATION Unit of Measure c.y.

Supplemental Description

Price Source Active

Price Summary

Quantity 1,000.000 x Price Details = 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

Type search criteria or press Enter

System Default 1 of 2

Temporary 8888Items 80CMIN-S

1 0202000 EARTH EXC BRDGNFilter

Quantity 1,000,000

2 1001001 TRENCHING ItemNoSortLH

2,000,000

TRFENGFilter

System Default Advanced

Line	Item	Type	Detail	Ext Amt	Active
1	0202000 EARTH EXC BRDGNFilter	Detail	Ext Amt		Yes
2	1001001 TRENCHING ItemNoSortLH	Detail			Yes

0 added | 0 marked for deletion | 0 changed

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”

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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: 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

Unit System: English

Improvement Type

Work Type: GENC - GENERAL CONSTRUCTION

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

Cost Estimate Total

Design Build: ☐

Profile: No

Budget Class

Lanemiles

Estimate Type: FINL - Final

2. Filter Non-Bid Items

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Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet

Type search criteria or press Enter

8888NonBid
Showing 5 of 5

Total Cost Estimate Items
1,537,461.31

8888NonBid

Temporary
ItemIDSort
8888NonBid
System Default
Advanced

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Cntrb	Excl'd	Active
8888	97	3000101	TRAFFICMEN (STATE POLICE OFFICERS)	LS	1.000	81,000.00000	81,000.00		No	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		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

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

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Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet

Type search criteria or press Enter

8888NonBid
Showing 5 of 5

Total Cost Estimate Items
1,537,461.31

8888NonBid

Temporary
ItemIDSort
8888NonBid
System Default
Advanced

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Cntrb	Excl'd	Active
8888	97	3000101	TRAFFICMEN (STATE POLICE OFFICERS)	LS	1.000	81,000.00000	81,000.00		No	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		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

4. Double click "Excl'd" field and activate the checkbox field.

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Cost Estimate
Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet

Type search criteria or press Enter

8888NonBid
Showing 5 of 5

Total Cost Estimate Items
1,537,461.31

8888NonBid

Temporary
ItemIDSort
8888NonBid
System Default
Advanced

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Cntrb	Excl'd	Active
8888	97	3000101	TRAFFICMEN (STATE POLICE OFFICERS)	LS	1.000	81,000.00000	81,000.00		No	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		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"

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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	3100101	TRAFFICMEN (STATE POLICE OFFICERS)	LS	1.000	81,000.00000	81,000.00		No	No	Yes
8888	101	3100101	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	3100202	LIGHTTOWER FIBER NETWORKS 1, 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”

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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

mcollumsa

McCollum Samuel

Cost Estimate Total

Design Build

☐

Profile

No

Budget Class

Lanemiles

Estimate Type

FINL - Final

Vendor Space

2. Filter Common Lump Sum Items

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Cost Estimate Items

Item Pricing Worksheet

Item Pricing Worksheet

Type search criteria or press Enter

80CMNLS
Showing 4 of 4

Total Cost Estimate Items
1,537,461.31

Temporary
ItemIDSort
80CMNLS
8888NonBid
System Default
Advanced

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Cntrb	Active	Excl'd
80CMNLS	85	0971001	TRAFFIC	LS	1.000	228,860.000000	228,860.00	** See Special Provisions	Yes	Yes	Yes
80CMNLS	98	0201001	CLEARING AND GRUBBING	LS	1.000	325,148.000000	325,148.00		Yes	Yes	No
80CMNLS	99	0980020	CONSTRUCTION SURVEYING	LS	1.000	97,544.000000	97,544.00		Yes	Yes	No
80CMNLS	100	0975004	MOBILIZATION AND PROJECT CLOSEOUT	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.

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Item Pricing Worksheet

Item Pricing Worksheet

Type search criteria or press Enter

80CMNLS
Showing 4 of 4

Total Cost Estimate Items
1,537,461.31

There are unsaved changes.

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Cntrb	Active	Excl'd
80CMNLS	85	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1.000	228,860.000000	228,860.00	** See Special Provisions	<input checked="" type="checkbox"/>	Yes	Yes
80CMNLS	98	0201001	CLEARING AND GRUBBING	LS	1.000	325,148.000000	325,148.00		Yes	Yes	No
80CMNLS	99	0980020	CONSTRUCTION SURVEYING	LS	1.000	97,544.000000	97,544.00		Yes	Yes	No
80CMNLS	100	0975004	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 “Excl'd” field and activate checkmark

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Item Pricing Worksheet

Item Pricing Worksheet

Type search criteria or press Enter

80CMNLS
Showing 4 of 4

Total Cost Estimate Items
1,537,461.31

There are unsaved changes.

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Cntrb	Active	Excl'd
80CMNLS	85	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1.000	228,860.000000	228,860.00	** See Special Provisions	Yes	Yes	<input checked="" type="checkbox"/>
80CMNLS	98	0201001	CLEARING AND GRUBBING	LS	1.000	325,148.000000	325,148.00		Yes	Yes	No
80CMNLS	99	0980020	CONSTRUCTION SURVEYING	LS	1.000	97,544.000000	97,544.00		Yes	Yes	No
80CMNLS	100	0975004	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 ?

Search: 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 Provis...	Yes	Yes	Yes
Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Critib	Active	Excl
80CMNLS	95	0201001	CLEARING AND GRUBBING	LS	1.000	325,148.00000	325,148.00		Yes	Yes	No
80CMNLS	99	0980020	CONSTRUCTION SURVEYING	LS	1.000	97,544.00000	97,544.00		Yes	Yes	No
80CMNLS	100	0975004	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:

Estimated By: CONNDOT\kocabaaj Kocaba James

Lanemiles:

Cost Estimate Total:

Estimate Type:

Vanishing Access

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 ?

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

Total Cost Estimate Items
975,983.68

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext	Method	Price	Active	Item	0 changed
81STOGEN	10	00010000	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1.000	100.00	100.00	Ref Based		<input type="checkbox"/>		
83CMNLS	6	0201001	CLEARING AND GRUBBING	LS	1.000			Reference		<input type="checkbox"/>		
83HWYGEN	1	0202000	EARTH EXCAVATION	c.y.	1,000,000	48.45000	48,450,000	Cost Based		<input type="checkbox"/>		
03PAVEMENT	11	0202000	EARTH EXCAVATION	c.y.	1,500,000	39.54000	59,310,000	Maintain Item Price Task		<input type="checkbox"/>		
01BR-01987	4	0601062	FOOTING CONCRETE	c.y.	200,000	671.14000	134,228,000			<input type="checkbox"/>		
01BR-01987	5	0601064	ABUTMENT AND WALL CONCRETE	c.y.	400,000	1,302.54000	521,016.00			<input type="checkbox"/>		
83HWYGEN	3	0909062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12,000	4,794.14000	57,529.68			<input type="checkbox"/>		
83CMNLS	7	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1.000					<input type="checkbox"/>		
83CMNLS	8	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000					<input type="checkbox"/>		
83CMNLS	9	0980020	CONSTRUCTION SURVEYING	LS	1.000					<input type="checkbox"/>		
83HWYGEN	2	1001001	TRENCHING AND BACKFILLING	LT	1,500,000	36.70000	55,050.00			<input type="checkbox"/>		

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
LS - LUMP SUM

Quantity
1.000

Unit of Measure
LS - LUMP SUM

Price

Q Type search criteria or press Enter Advanced

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

New 1

Price Task Description Active Type Task Unit Price

Price Task
1% of total estimate Yes

Price Task
Use Historical Price ☐

Reference Price
Amount

Description 2
1% of total estimate

Percent of 3
Percent on top 4

Item ID
1.00

Spec Book
Active 4

Task Group
Q Begin typing to search or press Enter

1 added 0 marked for deletion 0 changed

9. Price is calculated.

Home
Previous
My Pages
Save Complete

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.

Item Information

Line
6

Item
0201001 CLEARING AND GRUBBING

Supplemental Description

Quantity
1.000

Unit of Measure
LS - LUMP SUM

Price
9,755.84000

Type search criteria or press Enter
Advanced
Showing 1 of 1

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

Reference Price

Description

1% of total estimate

Item ID

Spec Book

Task Group

Begin typing to search or press Enter

Use Historical Price

☐

Amount

Percent of

Percent on top

1.00

Active

☒

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. 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**

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
Lanemiles
Estimate Type

- Pricing all estimate items can be accomplished selecting the action arrow to the right of the save button (1)
- 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 ?

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

Total Cost Estimate Items
985,339.52

Cal ID	Line	Item	Descr	Unit	Quantity	Unit Price	Est Amt
81STODEN	10	00019ARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1.000	100,000.00000	
80CMNLS	6	0201001	CLEARING AND GRUBBING	LS	1.000	9,755.84000	
83HWYGEN	1	0202000	EARTH EXCAVATION	c.y.	1,000.000	48.45000	
03PAVEMENT	11	0202000	EARTH EXCAVATION	c.y.	1,500.000	39.54000	
01BR-01007	4	0601002	FOOTING CONCRETE	c.y.	200.000	871.14000	
01BR-01007	5	0601004	ABUTMENT AND WALL CONCRETE	c.y.	400.000	1,302.54000	
83HWYGEN	3	0900002	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12.000	4,794.14000	
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	lt	1,500.000	36.70000	

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 ...

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

Showing 11 of 11

- 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

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Ad Hoc	Yes	No	Excl
81STDGEN	10	0001PARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1,000	100,000.00000	100,000.00					
80CMNLS	6	0201001	CLEARING AND GRUBBING	LS	1,000	9,755.64000	9,755.64		Reference	Yes	Yes	
83HWYGEN	1	0202000	EARTH EXCAVATION	c.y.	1,000,000	48,450.00	48,450.00		Regres...	Yes	No	
02PAVEMENT	11	0202000	EARTH EXCAVATION	c.y.	1,500,000	39,540.00	59,310.00		Regres...	Yes	No	
01BR-01967	4	0601052	FOOTING CONCRETE	c.y.	200,000	671.14000	134,228.00		Regres...	Yes	No	
01BR-01967	5	0601054	ABUTMENT AND WALL CONCRETE	c.y.	400,000	1,302.54000	521,016.00		Regres...	Yes	No	
83HWYGEN	3	0969062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12,000	4,794.14000	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	36.70000	55,050.00		Regres...	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.

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\kocabaajt

Kocaba James

Cost Estimate Total

Unit System

English

Improvement Type

Work Type

Design Build

Profile

No

Budget Class

Lanemiles

Estimate Type

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

Type search criteria or press Enter ItemNumLH Showing 11 of 11

Total Cost Estimate Items
926,345.98

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext	Method	Price	Active	Excl
81STDGEN	10	0001PARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1.000	100,000.00000	100,000.00				
80CMNLS	6	0201001	CLEARING AND GRUBBING	LS	1.000	9,191.54000	9,191.54	Reference			
83HYVGEN	1	0202000	EARTH EXCAVATION	c.y.	1,000.000	39,540.000	39,540.00	Bid Based			
02PAVEMENT	11	0202000	EARTH EXCAVATION	c.y.	1,500.000	674.88000	1,012,320.00				
01BR-01987	4	0601062	FOOTING CONCRETE	c.y.	200.000	1,278.55000	255,710.00				
01BR-01987	5	0601064	ABUTMENT AND WALL CONCRETE	c.y.	400.000	4,868.12000	1,947,280.00				
83HYVGEN	3	0989062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12.000	58,417.44000	701,009.28				
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						
83HYVGEN	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

Type search criteria or press Enter ItemNumLH Showing 11 of 11

Total Cost Estimate Items
968,281.38

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Ad Hoc	Yes	No
81STDGEN	10	0001PARA	MINOR ITEM ALLOWANCE PARAMETRIC ITEM	LS	1.000	100,000.00000	100,000.00				
80CMNLS	6	0201001	CLEARING AND GRUBBING	LS	1.000	9,191.54000	9,191.54	Reference	Yes	Yes	No
83HYVGEN	1	0202000	EARTH EXCAVATION	c.y.	1,000.000	39,540.000	39,540.00	Regres...	Yes	No	No
02PAVEMENT	11	0202000	EARTH EXCAVATION	c.y.	1,500.000	674.88000	1,012,320.00	Regres...	Yes	No	No
01BR-01987	4	0601062	FOOTING CONCRETE	c.y.	200.000	1,278.55000	255,710.00	Regres...	Yes	No	No
01BR-01987	5	0601064	ABUTMENT AND WALL CONCRETE	c.y.	400.000	4,868.12000	1,947,280.00	Regres...	Yes	No	No
83HYVGEN	3	0989062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12.000	58,417.44000	701,009.28	Regres...	Yes	No	No
80CMNLS	7	0971001	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1.000			Yes	Yes	Yes	No
80CMNLS	8	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1.000			Yes	Yes	Yes	No
80CMNLS	9	0980020	CONSTRUCTION SURVEYING	LS	1.000			Yes	Yes	Yes	No
83HYVGEN	2	1001001	TRENCHING AND BACKFILLING	lf.	1,500.000	36.69000	55,035.00	Regres...	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 shows the 'Cost Estimate Summary' page for 'INCIDTEST - Asset Category Template'. The sidebar on the left has 'Non-Construction Costs' selected (1). The main area shows a table with one row for 'INCID' with a value of 27,968.00. Below the table, the 'New Non Construction Cost' form is visible. The 'New' button is highlighted (2). The 'Non Construction Cost Name' field is highlighted (3). The 'Non Construction Cost Description' field is highlighted (4). The 'Percent of Total Estimate' dropdown is highlighted (5). The 'Active' checkbox is highlighted (6). The 'Save' button is highlighted (7).

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' page for 'INCIDTEST - Asset Category Template'. The interface includes a top navigation bar with 'Home', 'Previous', and 'My Pages' tabs, and a right-hand menu with 'Actions', 'Help', and 'Log off'. Below the navigation bar, there are tabs for 'Overview', 'Contingency Assignment', 'Funding', 'Assign to Items', 'Fund Package Overview', 'Life Cycle Costs', 'Typical Sections', and 'Item Pricing Worksheet'. The main content area is titled 'Cost Estimate Summary' and shows a table with columns for 'Incidentals', 'INCID', '27,968.00', and 'Yes'. A 'New' button is highlighted with a red box and the number 2. A search bar is highlighted with a red box and the number 1. A 'Non Construction Cost Name' dropdown is highlighted with a red box and the number 3. A 'Non Construction Cost Description' dropdown is highlighted with a red box and the number 4. A 'Percent of Total Estimate' dropdown is highlighted with a red box and the number 5. A 'Non Construction Cost Amount' dropdown is highlighted with a red box and the number 6. A 'Calculated Amount' field is highlighted with a red box and the number 7. A 'Save' button is highlighted with a red box and the number 8.

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

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] [?] [x]

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. [Search]

Estimate Phase

01 - Programming

Estimated By

Q CONNDOT\kocaba\j
Kocaba James

Cost Estimate Total

00.000000

Unit System

English

Improvement Type

Work Type

Design Build

☐

Profile

No

Budget Class

Lanemiles

Estimate Type

Master Address

3. Select New

Home Previous My Pages

Overview Cost Estimate Cost Estimate Items

Item Pricing Worksheet

▼ Item Pricing Worksheet [Save] [?] [x]

Q Type search criteria or press Enter [ItemNumLH] Showing 9 of 9

Total Cost Estimate Items

816,273.68

0 added 0 marked for deletion 0 changed

Cat ID	Line	Item	Descr	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Pric	Crdts	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		Regres...	Yes	No
01BR-01987	4	0601062	FOOTING CONCRETE	c.y.	200.000	671.14000	134,228.00		Regres...	Yes	No
01BR-01987	5	0601064	ABUTMENT AND WALL CONCRETE	c.y.	400.000	1,302.54000	521,016.00		Regres...	Yes	No
83HWYGEN	3	0609062	CONSTRUCTION FIELD OFFICE, MEDIUM	mo.	12.000	4,794.14000	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	l.f.	1,500.000	36.70000	55,050.00		Regres...	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.

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	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Prct...	Contb	Excl
80CMNLS 6 0201001 CLEARING AND GRUBBING LS 1.000	LS	1.000						
83HWYGEN 1 0202000 EARTH EXCAVATION c.y. 1.000 000 48.45000 48.450.00	c.y.	1.000 000	48.45000	48.450.00	Regres...	Yes	No	
01BR-01987 4 0601062 FOOTING CONCRETE c.y. 200.000 671.14000 134.228.00	c.y.	200.000	671.14000	134.228.00	Regres...	Yes	No	
01BR-01987 5 0601064 ABUTMENT AND WALL CONCRETE c.y. 400.000 1,302.54000 521.016.00	c.y.	400.000	1,302.54000	521.016.00	Regres...	Yes	No	
83HWYGEN 3 0969062 CONSTRUCTION FIELD OFFICE, MEDIUM mo. 12.000 4,794.14000 57,529.68	mo.	12.000	4,794.14000	57,529.68	Regres...	Yes	No	
80CMNLS 7 0971001 MAINTENANCE AND PROTECTION OF TRAFFIC LS 1.000	LS	1.000				Yes	Yes	
80CMNLS 8 0975004 MOBILIZATION AND PROJECT CLOSEOUT LS 1.000	LS	1.000				Yes	Yes	
80CMNLS 9 0980020 CONSTRUCTION SURVEYING LS 1.000	LS	1.000				Yes	Yes	
83HWYGEN 2 1001001 TRENCHING AND BACKFILLING l.f. 1.500 000 36.70000 55.050.00	l.f.	1.500 000	36.70000	55.050.00	Regres...	Yes	No	

1 added 0 marked for deletion 0 changed

Showing 9 of 9

Showing 12 of 12

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

Home Previous My Pages

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	Unit	Quantity	Unit Price	Ext Amt	Supp Descr	Prct...	Contb	Excl
80CMNLS 6 0201001 CLEARING AND GRUBBING LS 1.000	LS	1.000						
83HWYGEN 1 0202000 EARTH EXCAVATION c.y. 1.000 000 48.45000 48.450.00	c.y.	1.000 000	48.45000	48.450.00	Regres...	Yes	No	
01BR-01987 4 0601062 FOOTING CONCRETE c.y. 200.000 671.14000 134.228.00	c.y.	200.000	671.14000	134.228.00	Regres...	Yes	No	
01BR-01987 5 0601064 ABUTMENT AND WALL CONCRETE c.y. 400.000 1,302.54000 521.016.00	c.y.	400.000	1,302.54000	521.016.00	Regres...	Yes	No	
83HWYGEN 3 0969062 CONSTRUCTION FIELD OFFICE, MEDIUM mo. 12.000 4,794.14000 57,529.68	mo.	12.000	4,794.14000	57,529.68	Regres...	Yes	No	
80CMNLS 7 0971001 MAINTENANCE AND PROTECTION OF TRAFFIC LS 1.000	LS	1.000				Yes	Yes	
80CMNLS 8 0975004 MOBILIZATION AND PROJECT CLOSEOUT LS 1.000	LS	1.000				Yes	Yes	
80CMNLS 9 0980020 CONSTRUCTION SURVEYING LS 1.000	LS	1.000				Yes	Yes	
83HWYGEN 2 1001001 TRENCHING AND BACKFILLING l.f. 1.500 000 36.70000 55.050.00	l.f.	1.500 000	36.70000	55.050.00	Regres...	Yes	No	
81STDGEN	LS							

1 added 0 marked for deletion 0 changed

Showing 9 of 9

Showing 12 of 12

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 ?

Q Type search criteria or press Enter ItemNumLH Showing 9 of 9

Total Cost Estimate Items

Item	QTY	Unit	Unit Price	Ext Amt	Supp Descr	Prct...	Credit	Excl...
80CMNLS 6 0201001 CLEARING AND GRUBBING LS 1.000								
83HYVGEN 1 0202000 EARTH EXCAVATION c.y. 1,000.000			48.45000	48,450.00	Regres...	Yes	No	
01BR-01987 4 0601062 FOOTING CONCRETE c.y. 200.000			671.14000	134,228.00	Regres...	Yes	No	
01BR-01987 5 0601064 ABUTMENT AND WALL CONCRETE c.y. 400.000			1,302.54000	521,016.00	Regres...	Yes	No	
83HYVGEN 3 0969062 CONSTRUCTION FIELD OFFICE, MEDIUM mo. 12.000			4,794.14000	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	
83HYVGEN 2 1001001 TRENCHING AND BACKFILLING l.f. 1,500.000			36.70000	55,050.00	Regres...	Yes	No	
81STDGEN 0001PARA MINOR ITEM ALLOWANCE PARAMETRIC ITEM LS 1.000						Yes	No	

New Select Items...

Showing 9 of 9

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

11. Click Save (2)

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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

Item	QTY	Unit	Unit Price	Ext Amt	Supp Descr	Prct...	Credit	Excl...
80CMNLS 6 0201001 CLEARING AND GRUBBING LS 1.000								
83HYVGEN 1 0202000 EARTH EXCAVATION c.y. 1,000.000			48.45000	48,450.00	Regres...	Yes	No	
01BR-01987 4 0601062 FOOTING CONCRETE c.y. 200.000			671.14000	134,228.00	Regres...	Yes	No	
01BR-01987 5 0601064 ABUTMENT AND WALL CONCRETE c.y. 400.000			1,302.54000	521,016.00	Regres...	Yes	No	
83HYVGEN 3 0969062 CONSTRUCTION FIELD OFFICE, MEDIUM mo. 12.000			4,794.14000	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	
83HYVGEN 2 1001001 TRENCHING AND BACKFILLING l.f. 1,500.000			36.70000	55,050.00	Regres...	Yes	No	
81STDGEN 0001PARA MINOR ITEM ALLOWANCE PARAMETRIC ITEM LS 1.000			100,000.00000	100,000.00		Yes	No	

New Select Items...

Showing 9 of 9

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

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 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

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

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: 0999-0999-TST

Cost Estimate Name: 0999-0999-TST

Snapshot: 001

Snapshot Type: Manual

Description: Snapshot at Preliminary Design Completion - 30%

Snapshot Reason: 02PD - Preliminary Design

Created By: CONNDOT\kocaba\j

Created Date: 10/17/2023 10:53:57 AM

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

Sequence	Description	Snapshot Type	Created	Created Dt
001	Snapshot at Preliminary Design Completion - 30%	Manual	CONNDOT\kocaba\j	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

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

Project

Entity

Entity Description

Spec Book

Estimate Information

Cost Estimate Name

Cost Estimate Descr

Estimate Phase

Estimated By

Cost Estimate Total

Previous Snapshot Total

Design Build

Profile

Budget Class

Lanemiles

Estimate Type

Vendor Access

Snapshot Tracking Percentage

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

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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 selected in the left sidebar. The main content area is divided into two columns. The left column contains 'Parent Attributes' (Associated Type, Project, Entity, Entity Description, Spec Book) and 'Estimate Information' (Cost Estimate Name, Cost Estimate Descr, Estimate Phase, Estimated By, Cost Estimate Total, Previous Snapshot Total). The right column contains 'Unit System', 'Improvement Type', 'Work Type', 'Design Build', 'Profile', 'Budget Class', 'Lanemiles', 'Estimate Type', and 'Vendor Access'. The 'Save' button is located at the top right 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)

The screenshot shows the 'Cost Estimate Summary' page with the 'Build Project Items' action selected from the dropdown menu. The dropdown menu is open, showing a list of actions. The 'Build Project Items' action is highlighted with a red box and labeled with a red '2'. The 'Save' button is labeled with a red '1'. The 'Build Project Items' action is also labeled with a red '2'.

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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 Built Project Items Successfully.

Cost Estimate: 0103-0277TEST Big Bridge over small river

General

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

Parent Attributes

Associated Type: Project

Unit System: English

Entity: 0103-0277TEST

Improvement Type

Entity Description: Big Bridge over small river

Work Type

Spec Book: 11

Estimate Information

Cost Estimate Name: 0103-0277TEST

Design Build: ☐

Cost Estimate Descr: Big Bridge over small river

Profile: No

Estimate Phase:

Budget Class:

Estimated By:

Lanemiles:

Cost Estimate Total: 0.00

Estimate Type:

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)

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

Project Summary 2

Project: 0056-0321 - Drainage Replacement on U.S. Route 1

Proposal:

General 1

Project Number: 0056-0321

Project Description: Drainage Replacement on U.S. Route 1

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

Unit System: English

Federal Project Number:

Project Work Type: HWAY - HIGHWAY

Project Item Total: 638,654.57

State Project Number:

Project Engineer:

Designed By:

Id: 2301

Created By:

Incidentals and Contingences

Historical Inc and Cont-LEAVE BLANK

Primary Project County: FRFD - Fairfield

Primary Project District ID: 3 - New Haven

Town 1: 0056 - GREENWICH

Town 2:

Town 3:

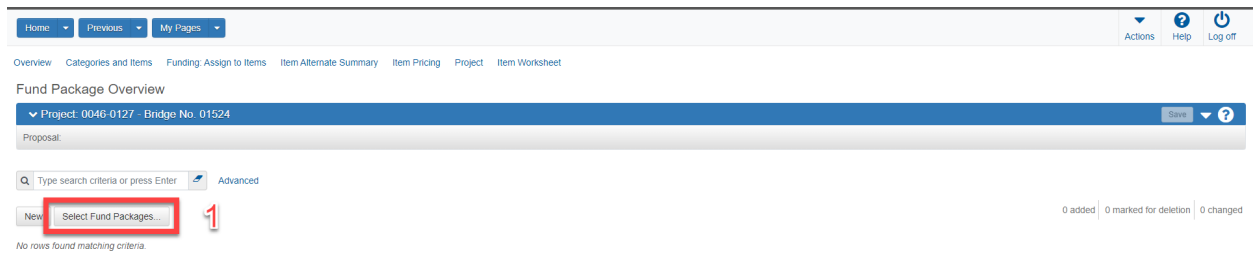
Town 4:

Town 5:

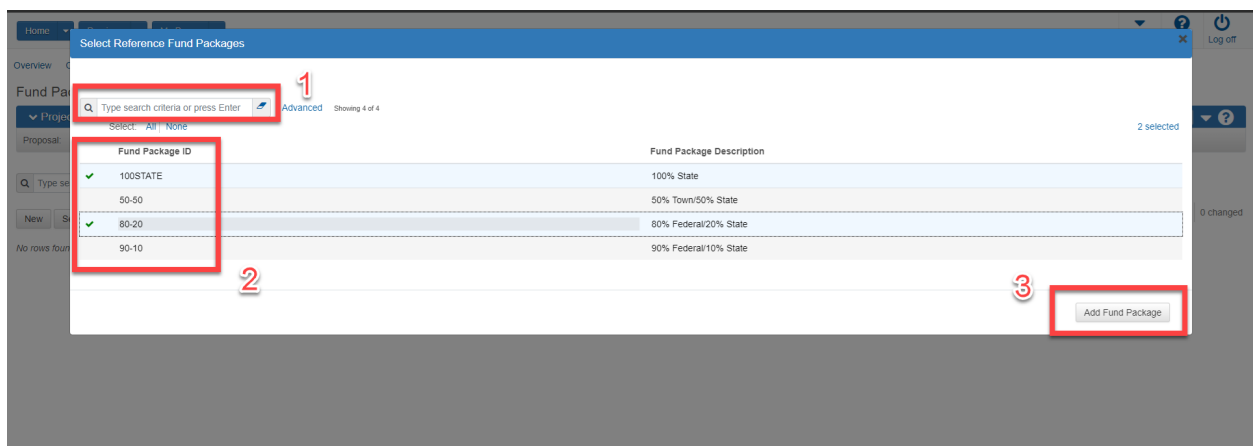
Town 6:

Controlling Project: ☐

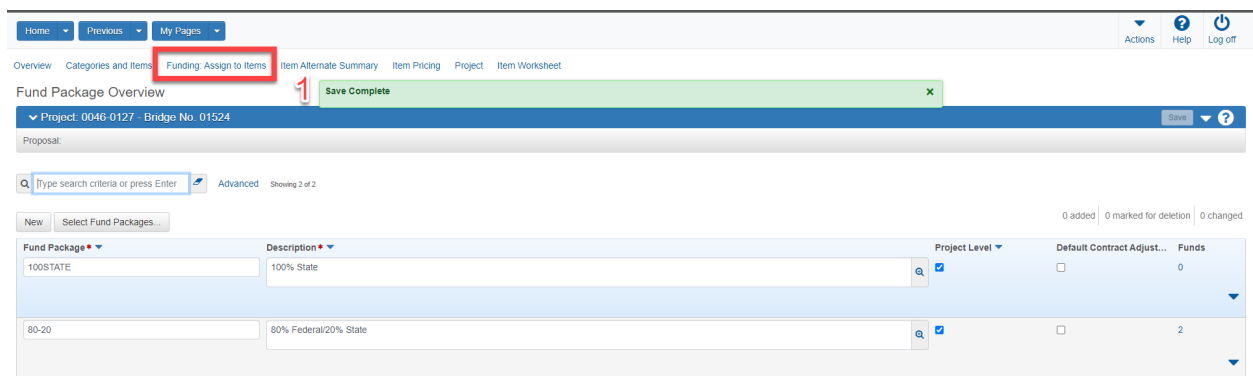
3. Click on "Select Fund Packages" button (1)



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)

Home Previous My Pages

Overview Categories and Items Fund Package Overview Item Alternate Summary Item Pricing Project Item Worksheet

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

Mixed None A/B

Mixed None A/B

Mixed None A/B

Mixed None A/B

Mixed None A/B

Mixed None A/B

0 changed Expand All

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

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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

Proposal:

General

Counties

Districts

Points

Road Segments

Bridge Segments

Workflow

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

Project Work Type

Project Item Total

State Project Number

Project Engineer

Designed By

Id

2360

Created By

Incidentals and Contingencies

Highway Type

Urban/Rural

Historical Inc and Cont-LEAVE BLANK

Primary Project County

NE-VN - New Haven

Primary Project District ID

3 - New Haven

Town 1

Town 2

Town 3

Town 4

Town 5

Town 6

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

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Categories and Items

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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

Counties

Districts

Points

Road Segments

Bridge Segments

Workflow

Workflow

Standard ConnDOT Workflow

WorkflowPhase

10-Concept and Milestone Estimates

- 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.

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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

Counties

Districts

Points

Road Segments

Bridge Segments

Workflow

Workflow

Standard ConnDOT Workflow

WorkflowPhase

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

440-Contract and Job Status (N/T)

5. Select Save

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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

Counties

Districts

Points

Road Segments

Bridge Segments

Workflow

Workflow

Standard ConnDOT Workflow

WorkflowPhase

20-Processing for Final Estimate and Proposal