

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 can be found on our website. Please follow the steps and instructions below:

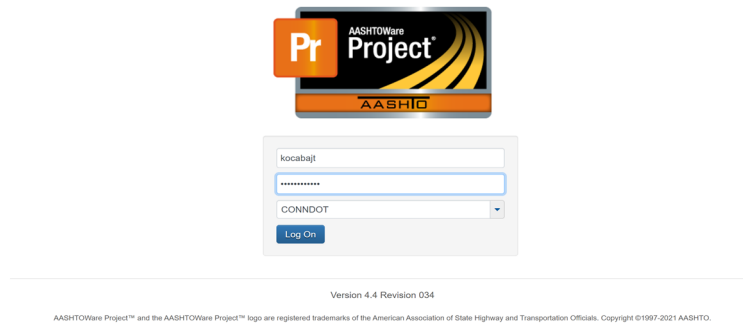
Steps

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Log into AASHTOWare Project

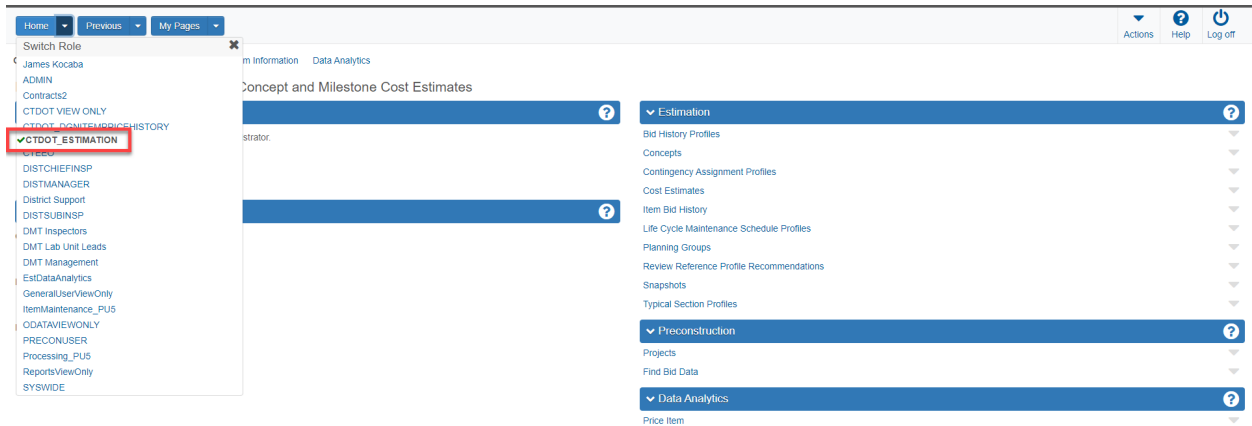
1. Ensure that the proper url is selected: <https://ctdot-pr-prod.infotechinc.com/Account/LogOn>

2. Enter User name and password



The image shows the login interface for AASHTOWare Project. At the top is the logo with 'Pr' in an orange square, 'AASHTOWare Project' in white text on a black background, and 'AASHIO' in white on an orange bar. Below the logo is a login form with three input fields: a username field containing 'kocabajt', a password field with masked characters, and a dropdown menu set to 'CONNDOT'. A 'Log On' button is positioned below the fields. At the bottom of the page, it says 'Version 4.4 Revision 034' and a copyright notice for AASHTO.

3. Select the role CT_DOT Estimation



The screenshot shows the user role selection menu in the AASHTOWare Project application. The 'Switch Role' dropdown is open, displaying a list of roles. The role 'CTDOT_ESTIMATION' is highlighted with a red box. The main content area shows a navigation menu with sections for 'Estimation' and 'Preconstruction'. The 'Estimation' section includes items like 'Bid History Profiles', 'Concepts', 'Contingency Assignment Profiles', 'Cost Estimates', 'Item Bid History', 'Life Cycle Maintenance Schedule Profiles', 'Planning Groups', 'Review Reference Profile Recommendations', 'Snapshots', and 'Typical Section Profiles'. The 'Preconstruction' section includes 'Projects' and 'Find Bid Data'. The 'Data Analytics' section includes 'Price Item'.

Add New Project

1. Select the Projects under the heading Preconstruction

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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)
bca290c5-349d-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 Actions Help Log off

Project Overview

Project Overview ?

Q Type search criteria or press Enter CreatedDate Showing 50 of 1908

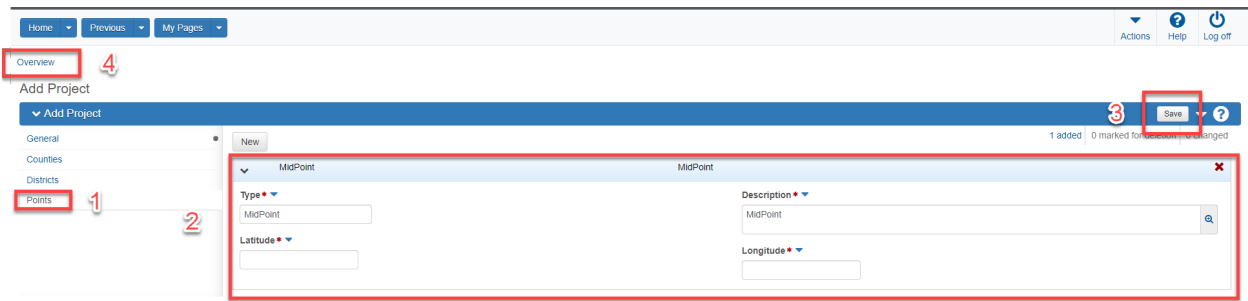
| Project Number | Proposal | Descr | Project Engineer | Project Work Type | Phase | |
|----------------|--------------|---|-------------------------------|----------------------------|------------------------|--|
| 0149-0088 | | SLOPE STABILIZATION ON ROUTE 45 AT LAKE WARAMAUG BROOK | | GENC - GENERAL 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 Lawter 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 | ONAE - obesebea.aye-addo@ct.g | SIGN - SIGNS | 20-Processing | |
| 0301-0195 | 0301-0195 | Darien Railroad Station Improvements | BSMc - Brett.McKleman@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 | Metallizing 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

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

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

Workflow

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

New

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)

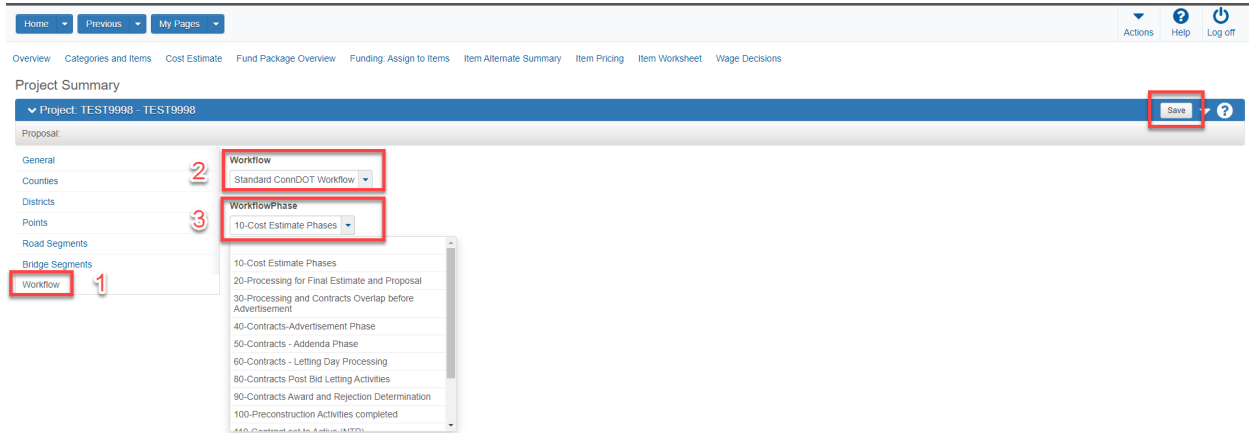
Width Out-to-Out (ft)

Bridge Deck Area (sf) - FHWA Reportable

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

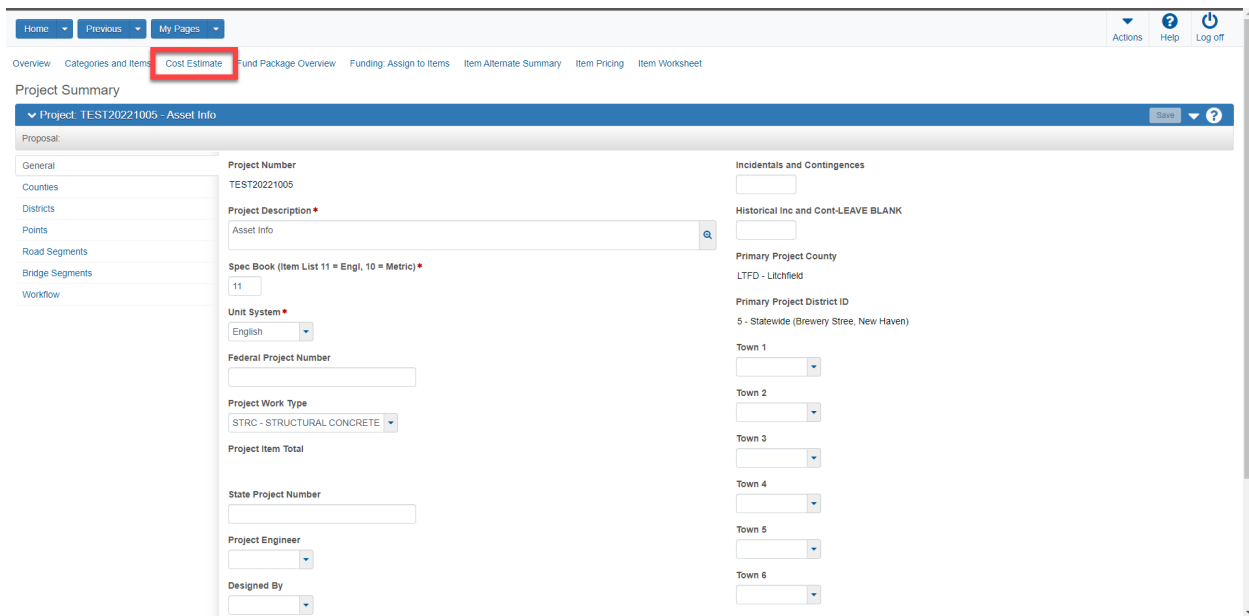
Comment

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



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)

Project Cost Estimate Summary

Project: 0046-0127 - Bridge No. 01524

Proposal:

General

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:

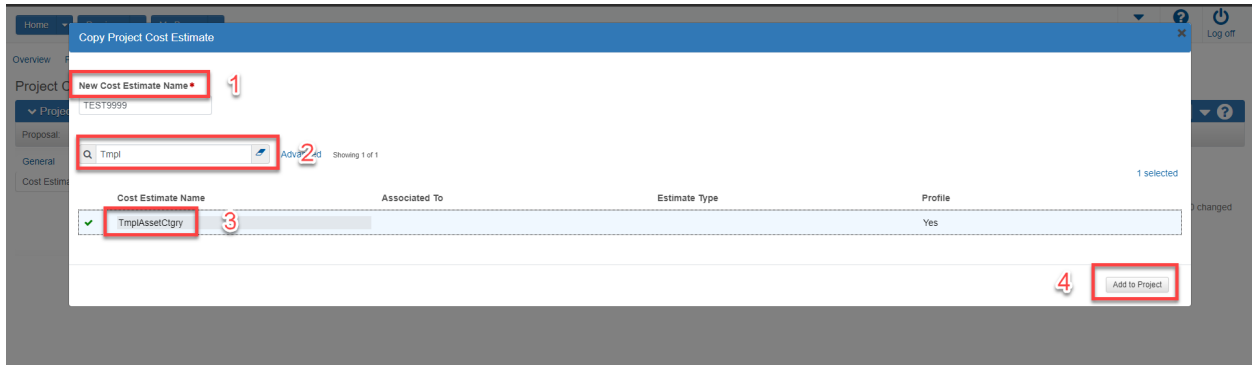
General

Cost Estimates (1)

Add (2)

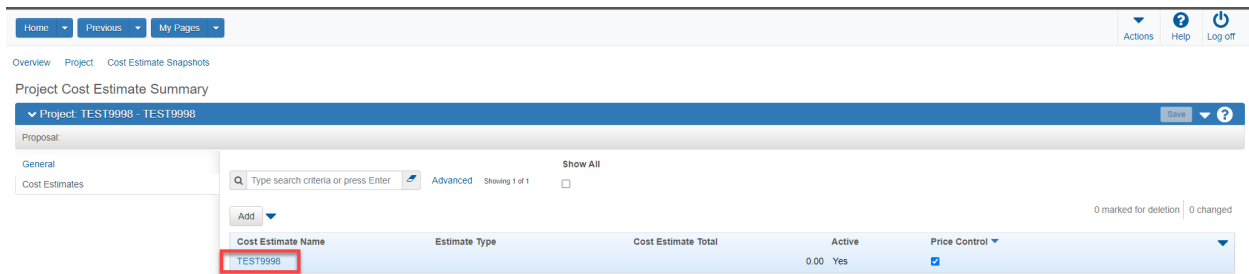
Copy Cost Estimate (3)

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

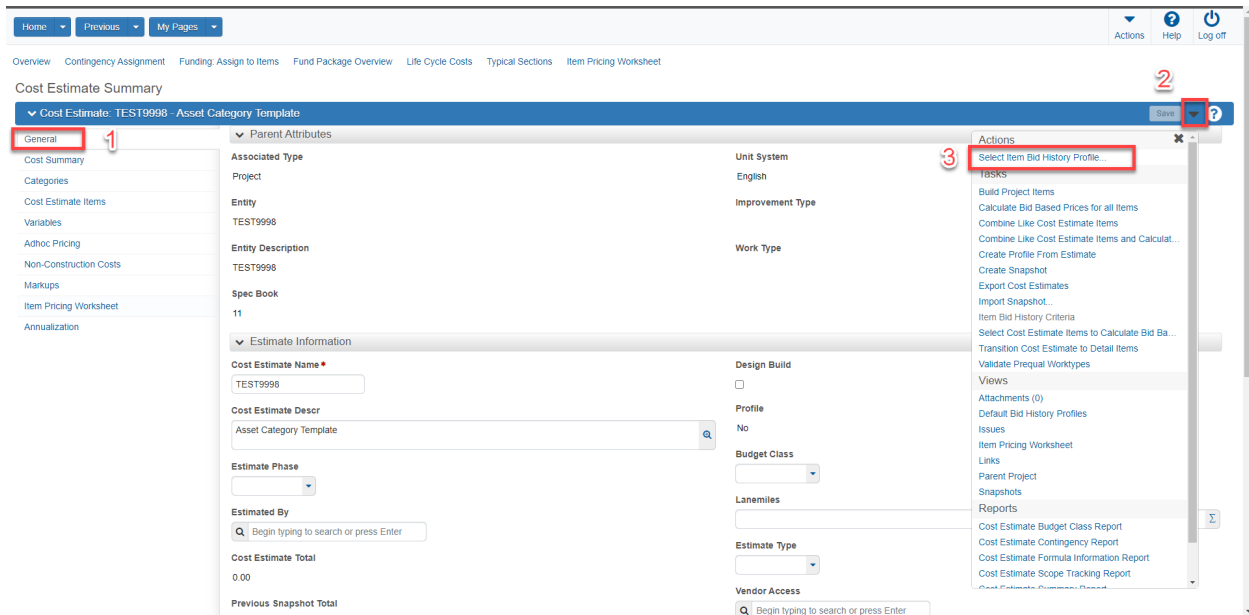


2. Select General Tab (1)
3. Enter a description. The description should match the project description (2)
4. Select Estimate Phase (3)
5. Enter user Estimated by (4)
6. Enter Estimate Type (5)
7. Select Save (6)

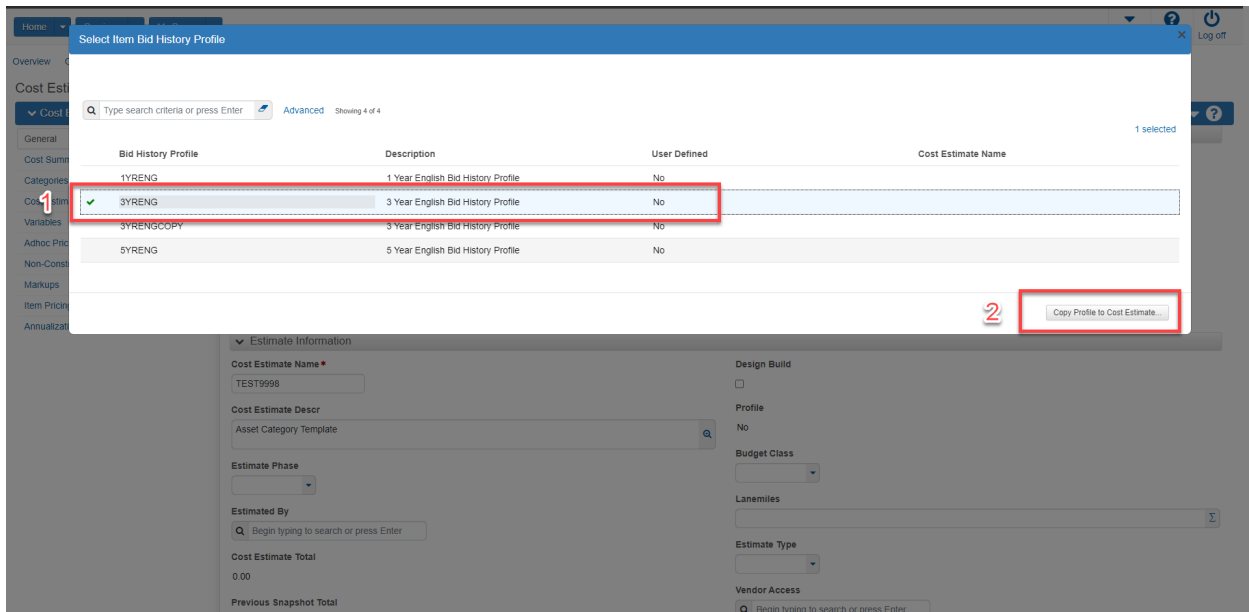
The screenshot shows the 'Cost Estimate Summary' page for 'TEST9999 - Asset Category Template'. The interface includes a navigation menu on the left with 'General' selected (1). The main content area is divided into sections: 'Parent Attributes', 'Estimate Information', 'Additional Information', and 'Cost Based'. In the 'Estimate Information' section, 'Cost Estimate Descr' is set to 'Asset Category Template' (2), 'Estimate Phase' is set to 'Select Item Bid History Profile' (3), and 'Estimated By' is empty (4). The 'Estimate Type' dropdown is set to 'Estimate' (5). A 'Save' button is located in the top right corner (6). The 'Cost Based' section includes dropdowns for 'Labor Rate Class', 'Equipment Rate Class', and 'Material Rate Class', and a 'Davis/Bacon Indicator' checkbox.

Add Bid History Profile to Cost Estimate

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



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



6. 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 Save ?

General

Cost Summary

Categories

Cost Estimate Items

Variables

Adhoc Pricing

Non-Construction Costs

Markups

Item Pricing Worksheet

Annualization

Parent Attributes

| | |
|--------------------|------------------|
| Associated Type | Unit System |
| Project | English |
| Entity | Improvement Type |
| TEST9998 | |
| Entity Description | Work Type |
| TEST9998 | |
| Spec Book | |
| 11 | |

Estimate Information

| | |
|---------------------------------------|---------------------------------------|
| Cost Estimate Name | Design Build |
| TEST9998 | <input type="checkbox"/> |
| Cost Estimate Descr | Profile |
| Asset Category Template | No |
| Estimate Phase | Budget Class |
| | |
| Estimated By | Lanemiles |
| Begin typing to search or press Enter | |
| Cost Estimate Total | Estimate Type |
| 0.00 | |
| Previous Snapshot Total | 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

1. Select Category tab (1)

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: 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

| 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

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: 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

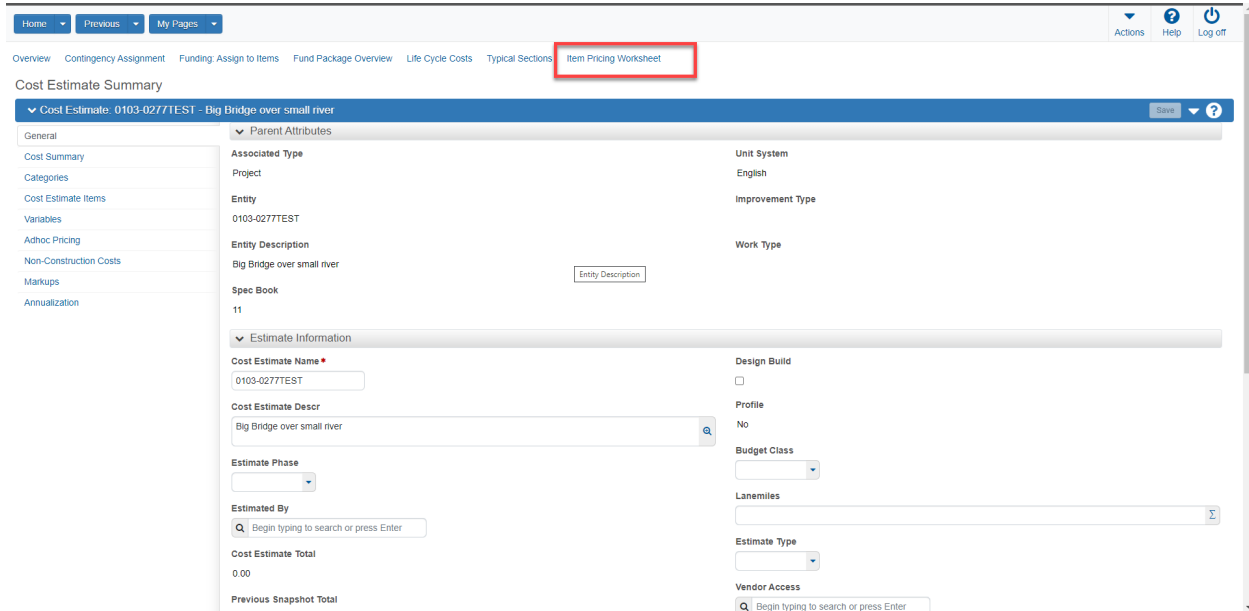
| Category | Federal Asset Work Type | Category Descr | Category Total | Actions |
|---------------------|-------------------------|---|----------------|---------|
| > 01BR-XXXX | | Bridge location and description | | |
| > 01BRGEN | | Bridge General | | ⌵ |
| > 02PAVEMENT | | Pavement Treatments | | ⌵ |
| > 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

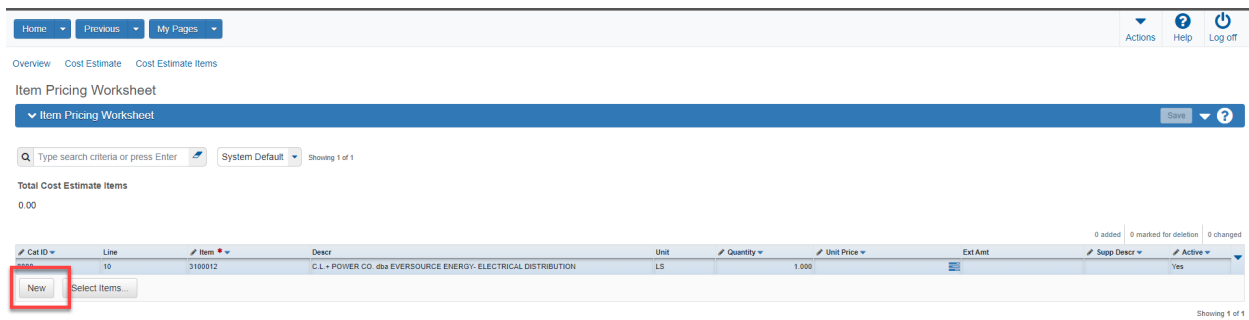
Add Individual Cost Estimate Items

After the cost estimate has been generated the user can begin to add cost estimate items.

1. Select and navigate to Item Pricing Worksheet



2. Select "New"



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 |
|--------|------|---------|---|------|----------|------------|---------|------------|--------|
| 8885 | 10 | 3100012 | C.L. + POWER CO. dba EVERSOURCE ENERGY- ELECTRICAL DISTRIBUTION | LS | 1.000 | | | | Yes |

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

| 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 |

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 |

New Select Items...

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 |
|--------|---------|------|-----------------------|------|----------|------------|---------|------------|--------|
| | 0201001 | | CLEARING AND GRUBBING | LS | 1.000 | | | | |

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

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 | | 0980020 | CONSTRUCTION SURVEYING | LS | 1.000 | | | | Yes |

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

| Cat ID | Line | Item | Descr | Unit | Quantity | Unit Price | Ext Amt | Supp Descr | Active |
|--------|------|---------|---|------|----------|------------|---------|------------|--------|
| 8888 | 10 | 3180012 | C.L. POWER CO. dbx EVERSOURCE ENERGY: ELECTRICAL DISTRIBUTION | LS | 1.000 | | | | Yes |
| 0997 | 20 | 0201001 | CLEARING AND GRUBBERG | 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

Select: All None

0 selected

Enter search criteria above to see results (0) Show first 10

No rows found matching criteria

Add to Cost Estimate Item

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 Type search criteria or press Enter System Default

Select: All None

0 selected

Enter search criteria above to see results (0) Show first 10

Q concrete Advanced Showing 50 of 579

| 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 |
| 0100238 | CARB F TROUGH HIGH DENSITY POLYMER CONCRETE | l.f. - Linear Foot |

Add to Cost Estimate Item

Showing 50 of 579

2

0971001

Select All None

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

0 selected

Add to Cost Estimate Item

3

0601

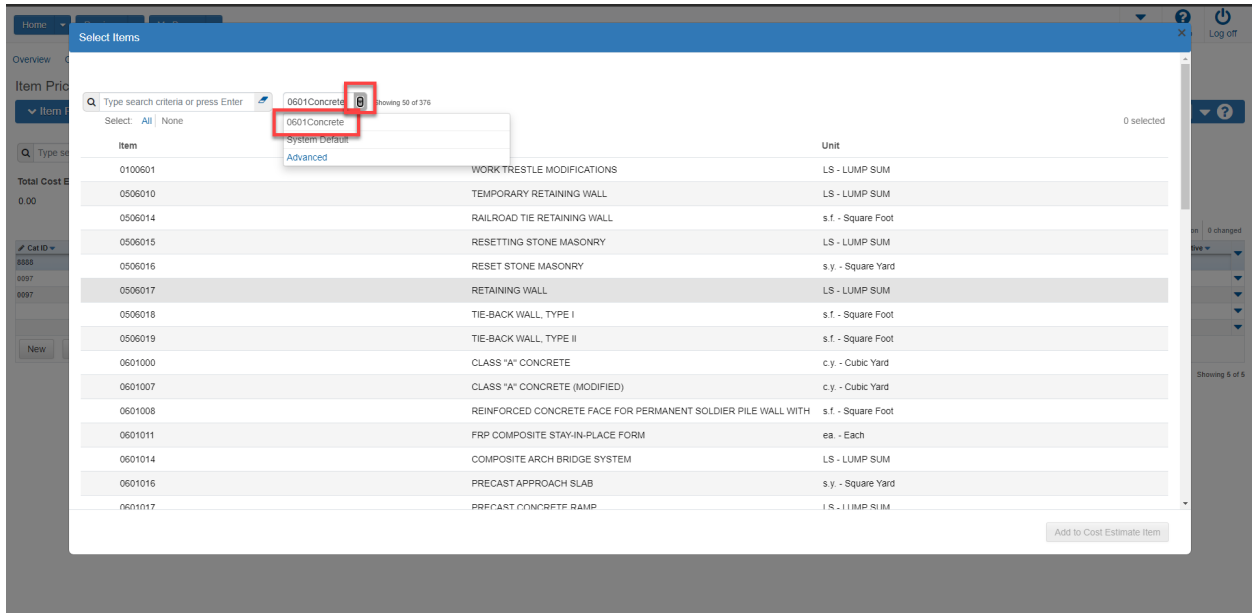
Select All None

| 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 |

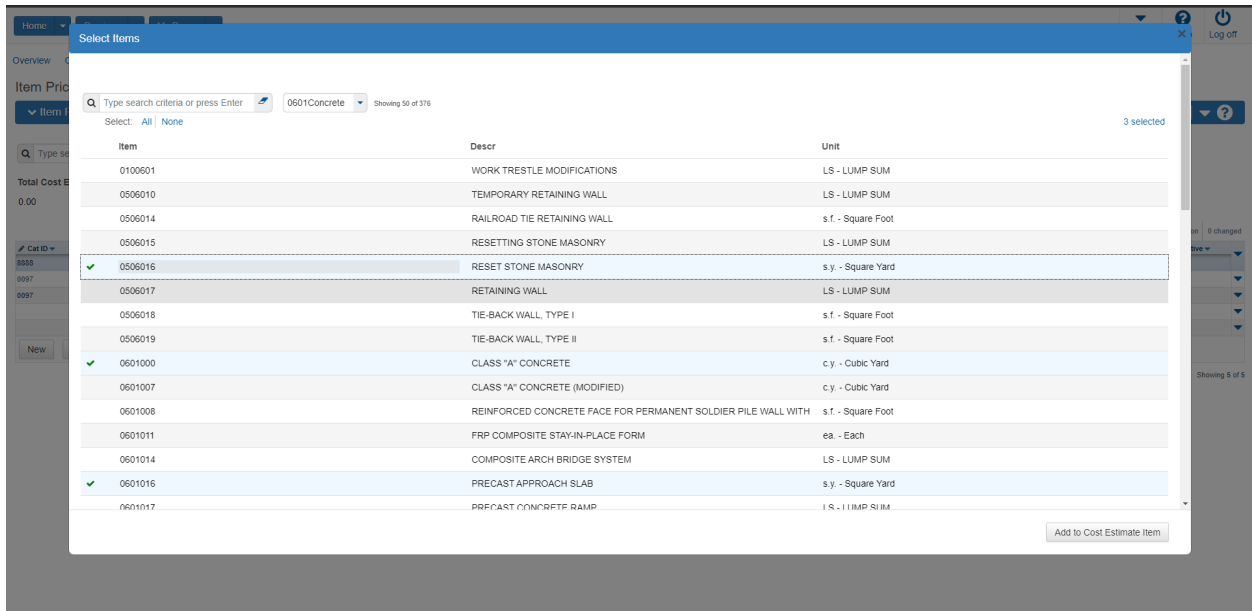
0 selected

Add to Cost Estimate Item

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



4. Select multiple items as needed



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. Select action arrow drop down to the left of item line number
2. Ensure that both blue checkmarks are removed
3. Select "Save"

The "Contribute to Total Construction Cost" check box must be unselected and the "Exclude from Reference Price Calculation" selected if the item is labeled non-bid

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' interface for 'INCID:EST - Asset Category Template'. The interface includes a navigation menu on the left with 'Non-Construction Costs' selected (1). The main area shows a 'New Non Construction Cost' entry (2) with the following fields: 'Non Construction Cost Name' (3), 'Non Construction Cost Description' (4), 'Percent of Total Estimate' (5), 'Non Construction Cost Amount', 'Calculated Amount', 'Non Construction Cost Type', and 'Non Construction Cost Group'. The 'Active' checkbox (6) is checked. A 'Save' button (7) is located in the top right corner 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)

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: INCIDTEST - Asset Category Template

General

Cost Summary

Categories

Cost Estimate Items

Variables

Adhoc Pricing

Non-Construction Costs

Markups

Item Pricing Worksheet

Annualization

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

New

Incidentals INCID 27,968.00 Yes

New Non Construction Cost

Non Construction Cost Name

Non Construction Cost Description

Non Construction Cost Type

Non Construction Cost Group

Percent of Total Estimate

Non Construction Cost Amount

Calculated Amount

Active

Save

Add Inflation

The markup tab can be used to enter direct future inflation values. 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. See the following steps below:

1. Select Markups

Home Previous My Pages Actions Help Log off

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

Cost Estimate Summary

Cost Estimate: 0103-0277EE - TEST

General

Cost Summary

Categories

Cost Estimate Items

Non-Construction Costs

Markups

Item Pricing Worksheet

Parent Attributes

Associated Type

Proposal

Entry

Entity Description

Spec Book

Estimate Information

Design Build

Profile

Budget Class

Lanemiles

Estimate Type

Vendor Access

2. Select New (1)

3. Select "Inflation" from the dropdown (2)

4. Enter Inflation Value (3)
5. Select Save (4)

Cost Estimate Summary

Cost Estimate: 0103-0277EE - TEST

General

Cost Summary

Categories

Cost Estimate Items

Non-Construction Costs

Markups

Item Pricing Worksheet

New

Markup Supplemental Description

Non-bid

Non-const

Amount

0 added | 0 marked for deletion | 1 changed

0001 - Inflation

1.00

Save

6. View Inflation Markup value by selecting Cost Summary

Cost Estimate Summary

Cost Estimate: 0103-0277EE - TEST

General

Cost Summary

Categories

Cost Estimate Items

Non-Construction Costs

Markups

Item Pricing Worksheet

New

Markup Supplemental Description

Non-bid

Non-const

Amount

0 added | 0 marked for deletion | 0 changed

0001 - Inflation

1.00

Save

Cost Estimate Summary

Cost Estimate: 0103-0277EE - TEST

General

Cost Summary

Categories

Cost Estimate Items

Non-Construction Costs

Markups

Item Pricing Worksheet

Cost Estimate Total

3,742,366.04

Base Cost Estimate

Total Cost Estimate Items

3,742,365.04

Total AdHoc Pricing

0.00

Total Typical Section Pricing

0.00

Other Costs

Total Contingency

0.00

Total Markups

1.00

Cost Category Breakdown

Total Construction Costs

3,742,366.04

Total Bid Costs

3,742,366.04

Total Non Construction Costs

0.00

Total Non Bid Costs

0.00

Total Preliminary Engineering Costs

0.00

Build Project Items

After the cost estimate has been finalized Project Items can be built.

1. Navigate to the Cost Estimate General tab

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: 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 Desc: Big Bridge over small river
Estimate Phase: [Dropdown]
Estimated By: [Search]
Cost Estimate Total: 0.00
Previous Snapshot Total

Design Build: [Checkbox]
Profile: No
Budget Class: [Dropdown]
Lanemies: [Search]
Estimate Type: [Dropdown]
Vendor Access: [Search]

2. Select the action dropdown arrow to the right of the save button (1)
3. Select Build Project Items (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: 0103-0277TEST - Big Bridge over small river 1 ?

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

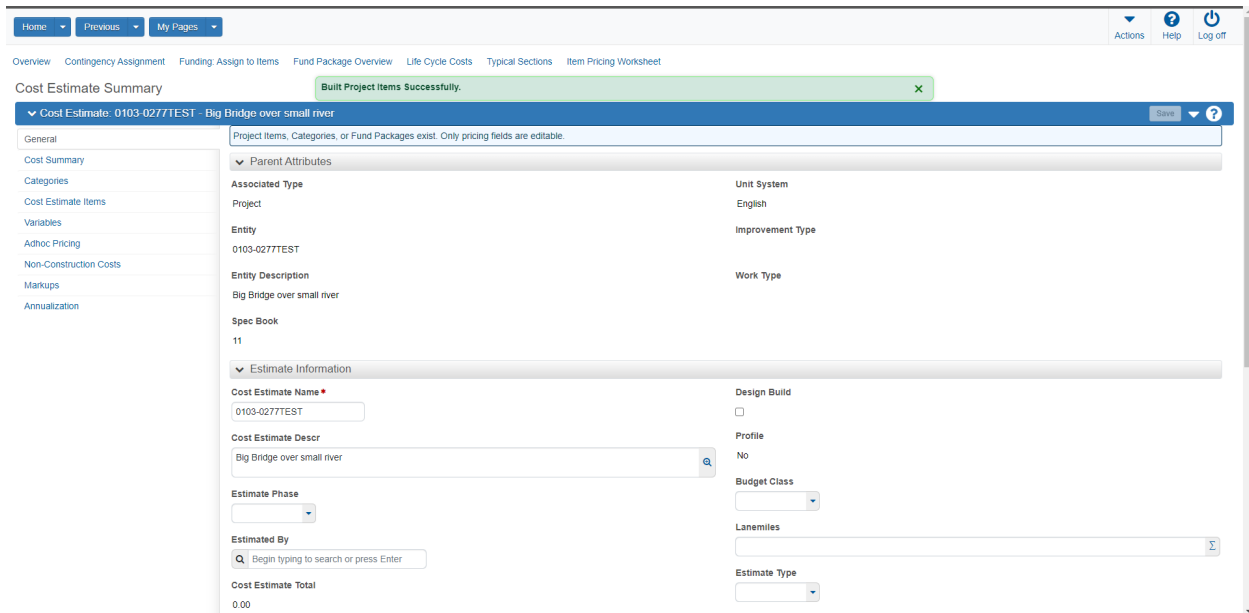
Estimate Information

Cost Estimate Name: 0103-0277TEST
Cost Estimate Desc: Big Bridge over small river
Estimate Phase: [Dropdown]
Estimated By: [Search]
Cost Estimate Total: 0.00
Previous Snapshot Total

Design Build: [Checkbox]
Profile: No
Budget Class: [Dropdown]
Lanemies: [Search]
Estimate Type: [Dropdown]
Vendor Access: [Search]

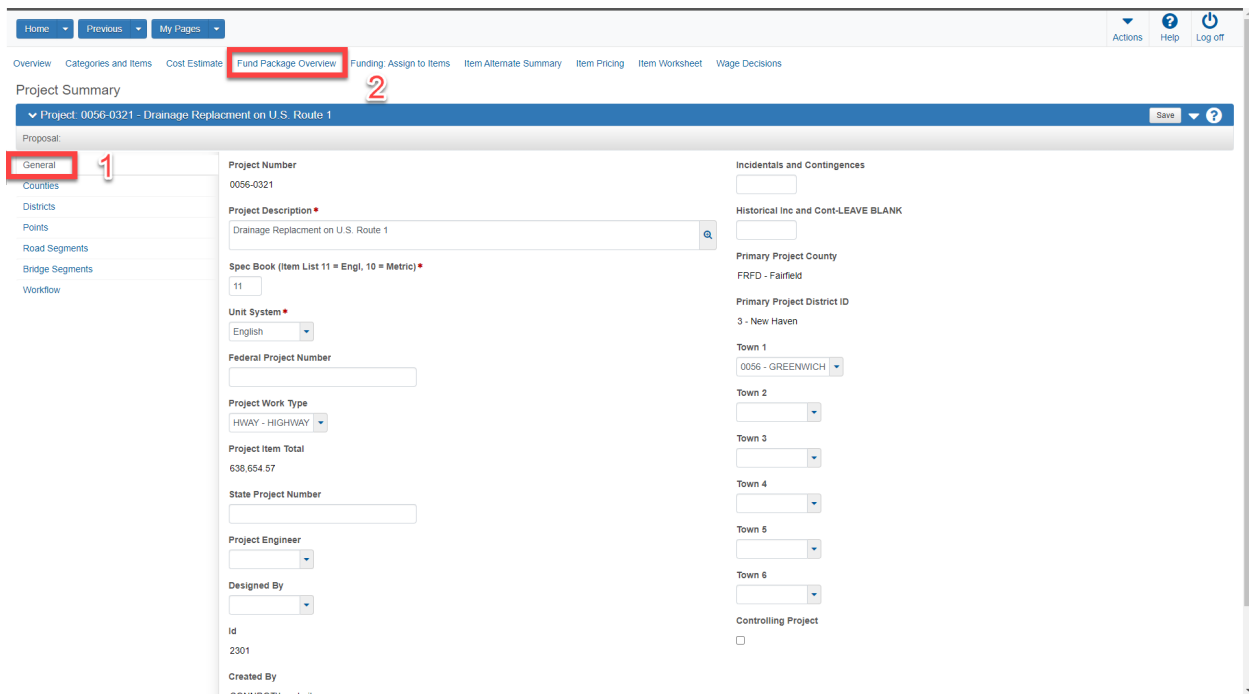
Actions

- Select Item Bid History Profile...
- Tasks
- Build Project Items**
- Calculate Bid Budgets 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
- Cost Estimate Summary Report

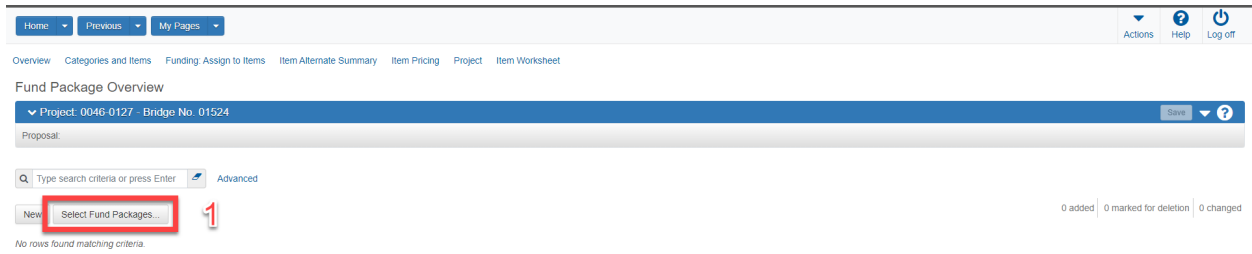


Update Project Fund Packages

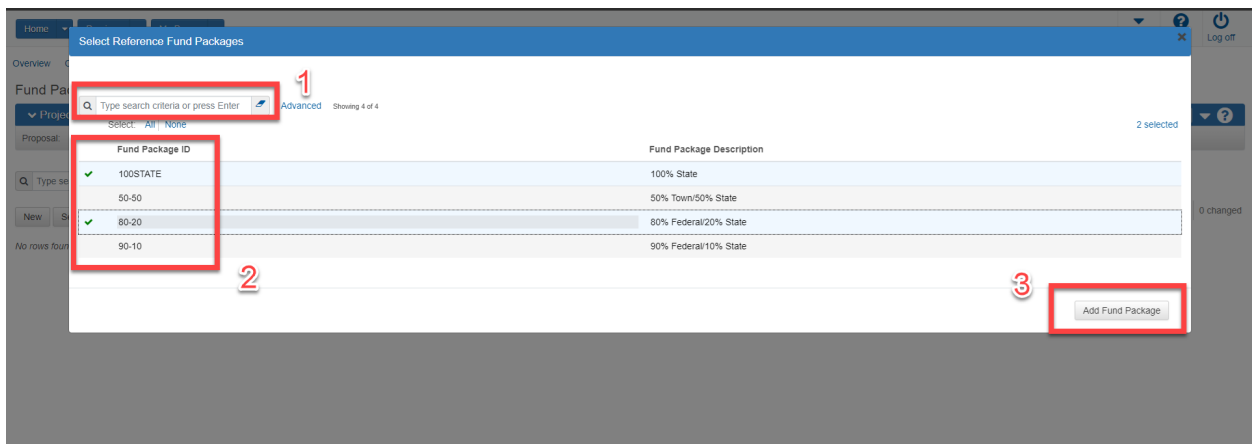
1. Navigate to the General Tab on the Project Summary Screen (1)
2. Select "Fund Package Overview" along the main navigation header (2)



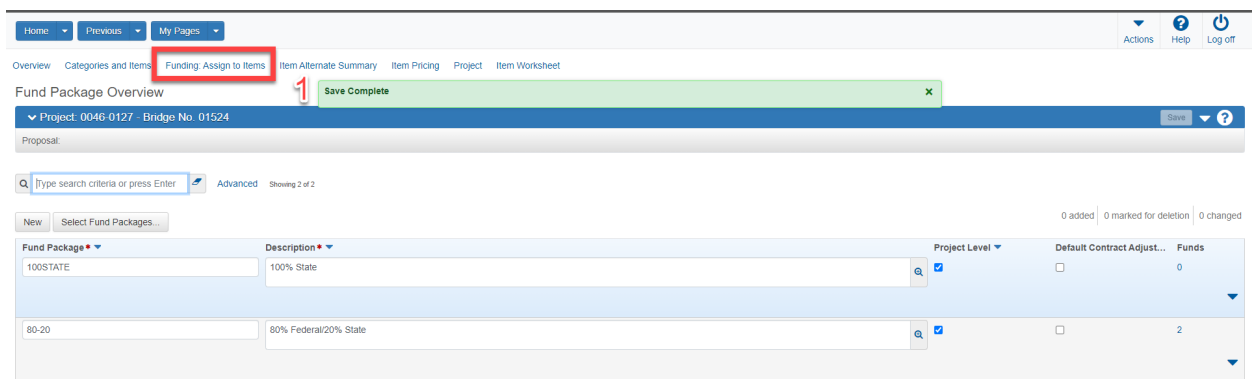
3. Click on "Select Fund Packages" button (1)



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

Save ?

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

0 changed Expand All

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