



Construction Contract Change Orders

Interscope + Training



Project Types and Approval Levels

PROJECT TYPE	PROJECT DESCRIPTION	OBJECT	OBJECT SUBTYPE
A1	Agency Project > \$500K	CHANGE ORDER	CHANGE ORDER SCO
A2	Agency Project < \$500K (State Debt)	CHANGE ORDER	CHANGE ORDER AGENCY
A3	Agency Project < \$500K (No State Debt)	CHANGE ORDER	CHANGE ORDER NO WORKFLOW
C1	CC Project < \$500K	CHANGE ORDER	CHANGE ORDER AGENCY (*)
C2	CC Project > \$500K	CHANGE ORDER	CHANGE ORDER SCO
C3	CC Project > \$500K <= \$4M	CHANGE ORDER	CHANGE ORDER AGENCY
C4	CC Project > 4M (State Debt)	CHANGE ORDER	CHANGE ORDER SCO
C5	CC Project > 4M (No State Debt)	CHANGE ORDER	CHANGE ORDER AGENCY
F1	Foundation Project/Other	CHANGE ORDER	CHANGE ORDER NO WORKFLOW
F2	Foundation Project/Other	CHANGE ORDER	CHANGE ORDER NO WORKFLOW
G	Federal Oversight Project	CHANGE ORDER	CHANGE ORDER NO WORKFLOW
H1	Hospital Project > \$500K	CHANGE ORDER	CHANGE ORDER SCO
H2	Hospital Project < \$500K	CHANGE ORDER	CHANGE ORDER AGENCY (*)
P1	Performance Contracts	CHANGE ORDER	CHANGE ORDER NO WORKFLOW
P2	Performance Contracts	CHANGE ORDER	CHANGE ORDER NO WORKFLOW
U1	UNC Project > \$2M	CHANGE ORDER	CHANGE ORDER SCO
U2	UNC Project > \$500K < \$2M	CHANGE ORDER	CHANGE ORDER AGENCY
U3	UNC Project > \$500K < \$1M	CHANGE ORDER	CHANGE ORDER AGENCY
U4	UNC Project < \$500K	CHANGE ORDER	CHANGE ORDER NO WORKFLOW
U5	UNC Project < \$500K	CHANGE ORDER	CHANGE ORDER NO WORKFLOW

Construction Contract Change Order For Formal Projects

The construction change order process provides an electronic process for submitting and approving changes to projects with construction costs over \$500,000 and is controlled by a work flow that requires the sequential execution of the steps by the respective parties. Change orders for smaller projects are not processed electronically, but use a simple spreadsheet shown at the end of this section, to record change order information.

Only Designers (or InterscopePlus users given the appropriate permission) are allowed to create and submit change orders for review, processing and approval. The electronic change order process is used for all formal projects, both those subject to SCO oversight and University "download" projects.

NOTE University change orders follow a slightly different approval process, with the final approval being at the University level rather than at SCO.

Construction Contract Change Order Processing Steps with SCO Final Approval

Actors: The Designer, the Contractor, the Owner project manager, the SCO project manager (Monitor)

Prerequisites:

- 1. A project exists with a Project Type that defines SCO final approval for change Orders
- 2. A design contract has been executed under this project and is "Active"
- 3. A construction contract has been executed under this project and is "Under Construction"

Workflow Steps:

- 1. The Designer creates a change order
- 2. The Designer submits the change order for approval
- 3. The Contractor reviews and approves it
- 4. The Designer reviews and approves the Contractor's approval
- 5. The Owner Project Manager reviews and approves it
- 6. The SCO Project Manager reviews and approves it

Construction Contract Change Order Processing Steps with Owner Final Approval

Actors: The Designer, the Contractor, the Owner project manager

Prerequisites:

- 1. A project exists with a Project Type that defines Owner final approval for change Orders
- 2. A design contract has been executed under this project and is "Active"
- 3. A construction contract has been executed under this project and is "Under Construction"

Workflow Steps:

- 1. The Designer creates a change order
- 2. The Designer submits the change order for approval
- 3. The Contractor reviews and approves it
- 4. The Designer reviews and approves the Contractor's approval
- 5. The Owner Project Manager reviews and approves it

Construction Contract Change Order Change Order Entry (no workflow)

Actors: the Owner project manager

- 1. A project exists with a Project Type that defines no workflow approval for change orders
- 2. A design contract has been executed under this project and is "Active"
- 3. A construction contract has been executed under this project and is "Under Construction" Steps:
- 1. The Owner Project Manager enters all change orders using a spreadsheet data entry screen.

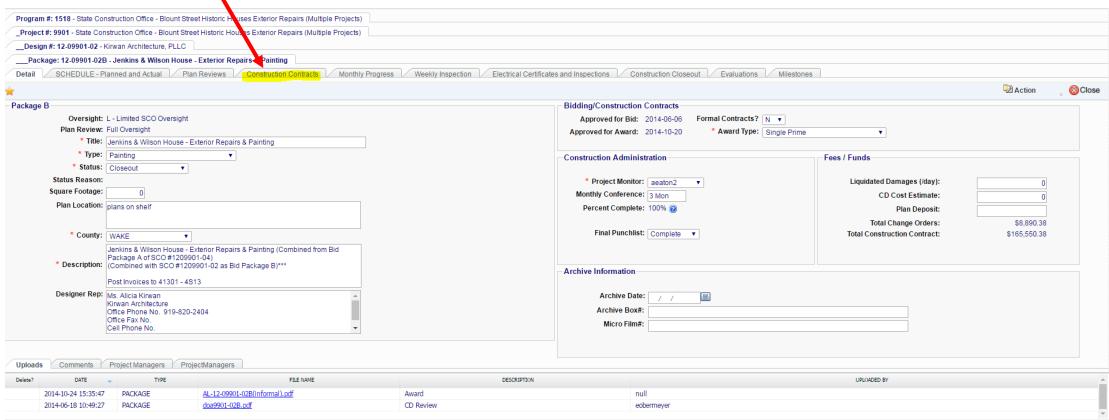
NOTE: Each Proposed Change Order (PCO) requires supporting documentation to be uploaded for review and acceptance. A PCO cannot be added without supporting documentation. It is recommended that all supporting documentation be gathered prior to change order entry.

After logging in, the designer selects the Active Construction Contracts tab on his/her Home screen, then selects the contract for which the Change Order (CO) will be entered and clicks on it.

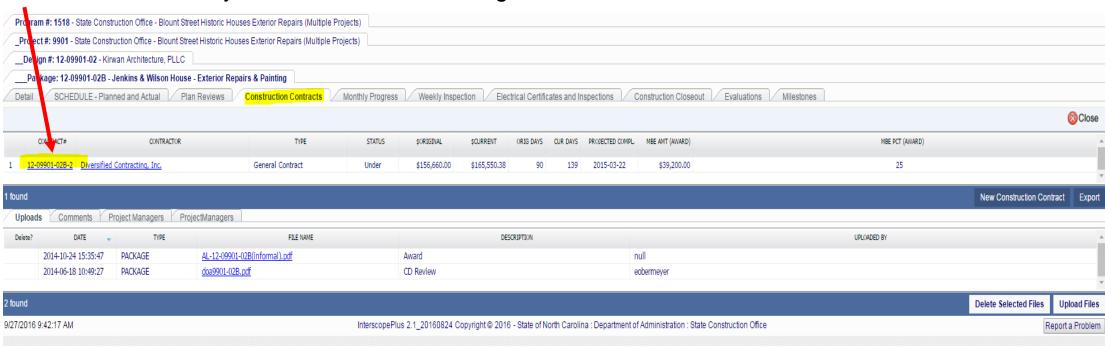


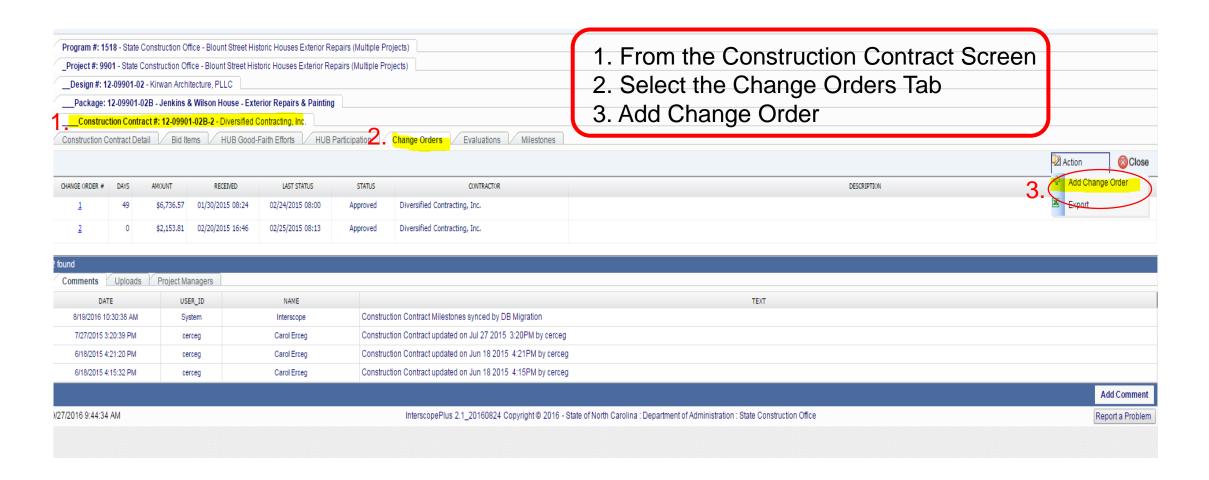
Use the SCO File# to identify the correct Construction Contract and double click to open.

Select the Construction Contracts Tab



Select the Contract you wish to create a change order.

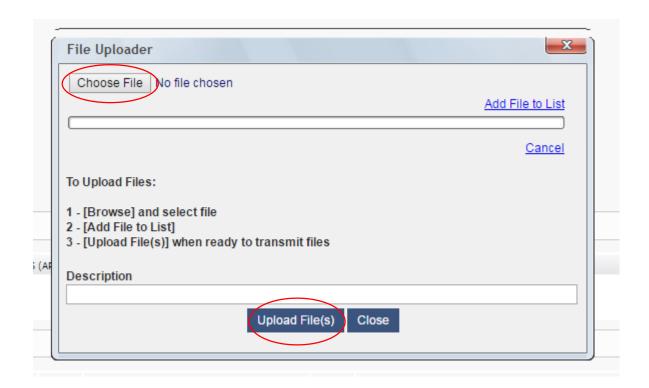




Fields in Red are required Creating the Change Order

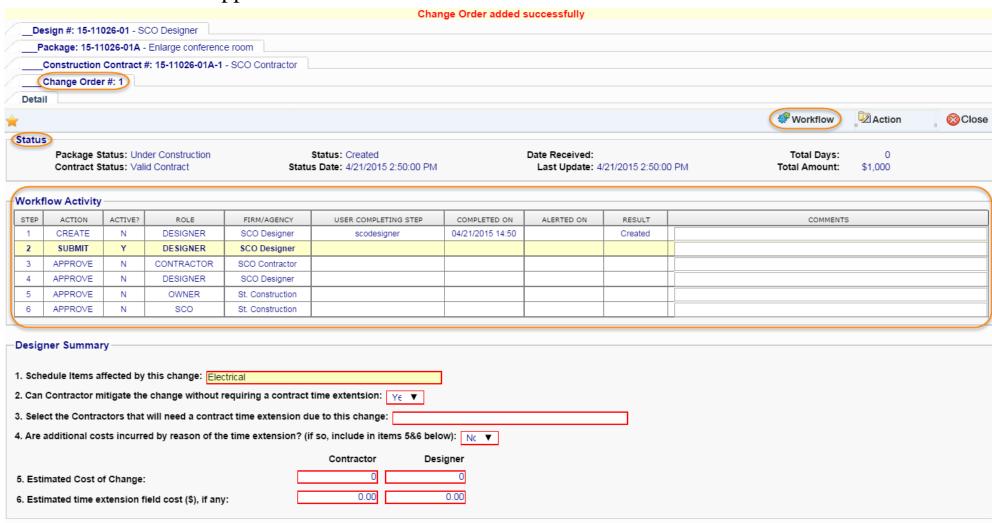
Program #: 1518 - State Construction Office - Blount Street Historic Houses Exterior Repairs (Multiple Projects)			
Particular anna di la construcción de la construcci			
_Project #: 9901 - State Construction Office - Blount Street Historic Houses Exterior Repairs (Multiple Projects)			
Design #: 12-09901-02 - Kirwan Architecture, PLLC			
Package: 12-09901-02B - Jenkins & Wilson House - Exterior Repairs & Painting			
Construction Contract #: 12-09901-02B-2 - Diversified Contracting, Inc.			
NEW CHANGE ORDER:			
Detail			
			Action OCIOSE
C4-4			Ereten o
- Status	Status: Creating	Date Received:	Total Days: 0
Contract Status: Under Construction	Status: Creating Status Date:	Last Update:	Total Amount:
	Status Batts.	Euot o punto.	
Designer Summary			
1. Schedule Items affected by this change: Required *	Description:		
2. Can Contractor mitigate the change without requiring a contract time extension:			
3. List contractors needing a contract time extension due to this change:			
4. Are additional costs incurred by reason of the time extension? (if so, include in items 5&6 below): ▼			
Contractor Designer			
5. Estimated Cost of Change:			
6. Estimated time extension field cost (\$), if any:			
o. Estimated time extension near cost (4), if tiny.			
Project Financial Worksheet Summary			
Assigned Funds \$0			
Total Committed: \$956,003.08		To unlocal files	and of "I belond Eiler"
		TO UDIOAG TILES.	select "Upload Files"
Available to Commit: -\$956,003.08		, ,	o production
This Change:			▲
Available to Commit After this Change: -\$956,003.08			1
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Available to Commit After this Change: -\$956,003.08			
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Available to Commit After this Change: -\$956,003.08 **Morksheet Detail** Cost Summary - Note: "Revised Contract" days and amounts are pending final approval. Construction Days Cost (s) \$156,600 + **Schedule Summary - Note: "Revised Completion" date is pending final approval.	0 = 90 (+/-) 0 = \$156,660 (+/-)	- 139 - \$165,550.38 PLETION DATE + THIS ORDER -	Revised Completion (Pit DING) 02/01/2015
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Available to Commit After this Change: -\$956,003.08	0 = 90 (+/-) 0 = \$156,660 (+/-) FE + PRIOR APPROVED CO DAYS - PRIOR APPROVED COM + 0 - 02/01/20*	= 139 - \$165,550.38 PLETION DATE + THIS ORDER - 15 + 0 =	02/01/2015
Available to Commit After this Change: -\$956,003.08	0 = 90 (+/-) 0 = \$156,660 (+/-) FE + PRIOR APPROVED CO DAYS - PRIOR APPROVED COM	= 139 - \$165,550.38 PLETION DATE + THIS ORDER - 15 + 0 =	
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Available to Commit After this Change: -\$956,003.08 **Morksheet Detail** Cost Summary - Note: "Revised Contract" days and amounts are pending final approval. Construction Days Cost (5) **Cost (5) **Cost (6) **Cost (6) **Contract Start Contract	0 = 90 (+/-) 0 = \$156,660 (+/-) FE + PRIOR APPROVED CO DAYS - PRIOR APPROVED.COM + 0 0 2/01/20	= 139 - \$165,550.38 PLETION DATE + THIS ORDER - 15 + 0 =	02/01/2015 DAYS CAUSE (For SCO Use Only)
Available to Commit After this Change: -\$956,003.08 -\$95	0 = 90 (+/-) 0 = \$156,660 (+/-) FE + PRIOR APPROVED CO DAYS - PRIOR APPROVED.COM + 0 0 2/01/20	= 139 - \$165,550.38 PLETION DATE + THIS ORDER - 15 + 0 =	DAYS CAUSE (For SCO Use Only) Unassigned

In the File Uploader window, select Choose File to browse for the file to upload.

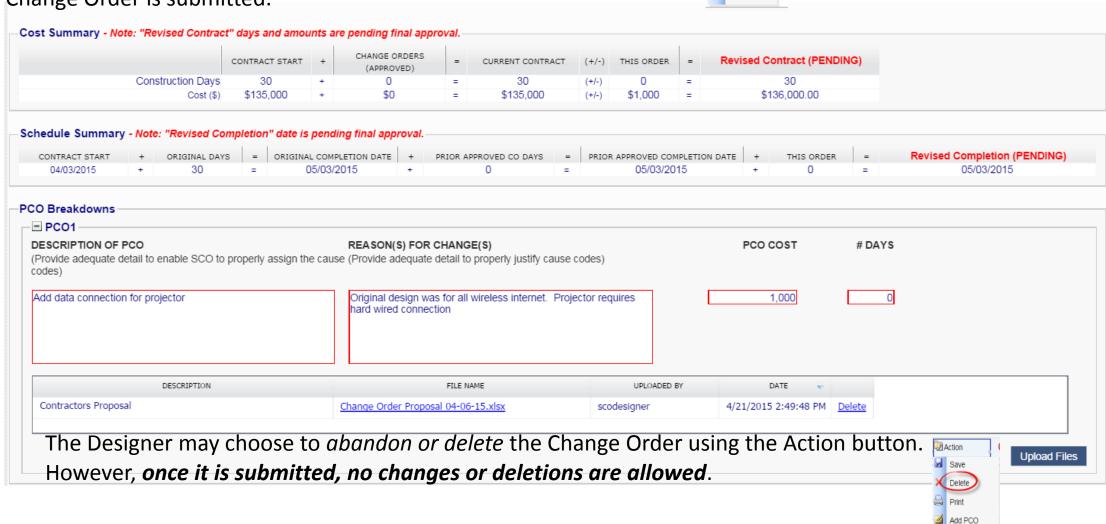


When the file is selected, it will be uploaded to the window. Upload as many files as necessary. Add a description and click "Upload Files".

After it is saved, it will show as Change Order # (with the next sequential number) under status and the Work Flow icon appears.



The Designer may continue to make changes to the Change Order using up until the time that the Change Order is submitted.



Formal Projects-Change Orders Submitting the Change Order for Review

- To complete this workflow step, the Designer must submit the Change Order to initiate its review and approval by other Project participants. Up to this point, no other Project participant has been involved in the Change Order processing.
- ❖ Submit the Change Order by selecting the ♣ Submit the Change Order by selecting the ♠ Submit the Order by selecting the Orde continue or **No** to return.

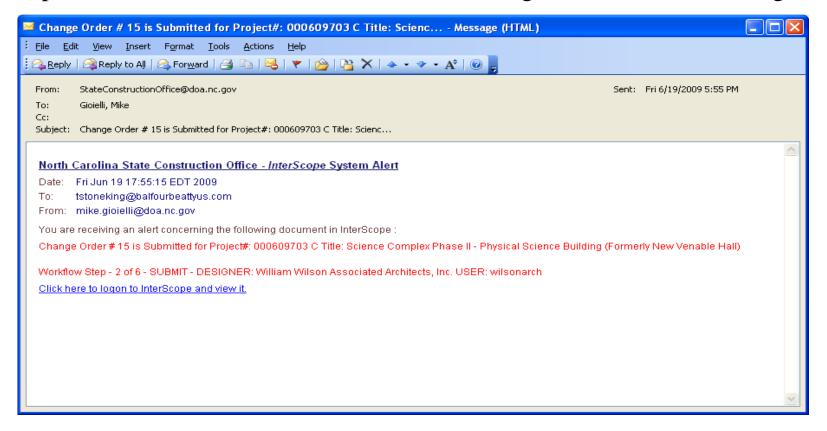


- . A Confirmation window will appear to confirm this action. Select Yes to
- * The Change Order workflow is updated and processes any Alerts that are defined for this step.
- The system is configured to send Alerts to the Owner, Contractor and Project Monitor. An Alert is sent for each logon associated with each project role.



Formal Projects-Change Orders Receiving and Responding to the Alert

Each participant will receive an alert via email concerning actions for each Change Order.



To access the Change Order, simply click on the link at the bottom of the Alert Email. You will be prompted to Logon and are then directed immediately to the Change Order page.

Formal Projects-Change Orders Reviewing and Approving Change Orders

- Each participant will receive an alert via email concerning actions for each Change Order.
- When the Contractor logs on to InterscopePlus, he/she sees a "Change Orders In Progress" clipboard on his/her Home screen. By selecting a Change Order, he/she can view the Work Flow Activity of that Change Order. Change Orders that are awaiting their action are highlighted in yellow. At this workflow step there are only 2 options that can be performed *Approve* or *Reject*. They are available from the
- Approving the Change Order moves the process along to the next step in the Workflow.
- Rejecting the Change Order at any step in the Workflow causes the Change Order to be returned to Step 2 where the originator (Designer) can change and resubmit. The workflow is then reset and the audit trail (found at the bottom of the page) maintains a record of the prior workflow events.
- This process continues until the final Workflow Step is completed and the Change Order is marked as Approved (See Status field).
- Alerts are sent to all Project participants as a notification that the Change Order has been officially approved.

Formal Projects-Change Orders Reviewing and Approving Change Orders

Construction Contract #: 15-11026-01A-1 - SCO Contractor													
	Change Order #: 1												
-	Detail												
÷									₩ Workflow Action © Close				
Status Approve													
ı	Package Sta	tus: Un	der Constructio	n St	tatus: Subm	nitted	Date Received: ys: 0						
(Contract Status: Valid Contract Status Date: 4/21/2015 2:50:00 PM Last Update: 4/21/2015 2:50:00 \$1,000												
Workflow Activity													
ST	EP ACTION	ACTIVE?	ROLE	FIRM/AGENCY	USER COMPLETING STEP	COMPLETED ON	ALERTED ON	RESULT	COMMENTS				
1	CREATE	N	DESIGNER	SCO Designer	scodesigner	04/21/2015 14:50		Created					
2	SUBMIT	N	DESIGNER	SCO Designer	scodesigner	04/21/2015 15:41		Submitted					
3	APPROVE	Y	CONTRACTOR	SCO Contractor									
4	APPROVE	N	DESIGNER	SCO Designer									
5	APPROVE	N	OWNER	St. Construction									
6	APPROVE	N	SCO	St. Construction									

Formal Projects-Change Orders Reviewing and Approving Change Orders

The owner must certify that sufficient funds are available for the change order before approving. Sufficient funding must be reflected in the InterscopePlus system before the change will be approved by SCO.

Project Financial Worksheet Summary			
Assigned Funds	\$150,000		
Total Committed:	\$145,000		
Available to Commit:	\$5,000	The owner certifies that the project's Assigned Funds are adequate to support this change order:	Yes
This Change:	\$1,000		
Available to Commit After this Change:	\$4,000		
Worksheet Detail			

Formal Projects-Change Orders Change Order Sequencing

- Change orders must be entered, submitted and approved in sequence. There are safeguards in place to check for any outstanding prior change orders before a newer change order can be approved.
- Change orders may also be deleted at any time before submission. The system will review the current sequence of change orders and re-sequence them as appropriate to maintain a consistent ordering.

Informal Project Change Orders

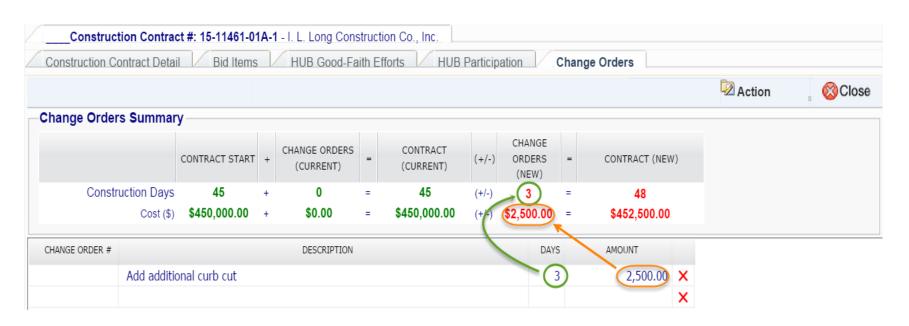
The change order process for informal projects involves making entries to identify the nature of the change, cost, and impact on contract days into a spreadsheet format on the 'Change Order' tab on the construction contract.

Construction Contract #: 15-11461-01A-1 - I. L. Long Construction Co., Inc.												
Construction Contract Detail Bid Items HUB Good-Faith Efforts HUB Participation Change Orders												
										Action	⊚ Clo	se
Change Orders Summary	/											
	CONTRACT START	+	CHANGE ORDERS (CURRENT)	=	CONTRACT (CURRENT)	(+/-)	CHANGE ORDERS (NEW)	=	CONTRACT (NEW)			
Construction Days	45	+	0	=	45	(+/-)	0	=	45			
Cost (\$)	\$450,000.00	+	\$0.00	=	\$450,000.00	(+/-)	\$0.00	=	\$450,000.00			
CHANGE ORDER # DESCRIPTION							DAY	s	AMOUNT			
									×			

Click in the *Description* block and enter the description of the change. Tab to fill in any additional days and tab to enter amount of change. Change orders are automatically numbered in the order entered. You may enter as many change orders as necessary, then Action. The changes are reflected in the Change Orders Summary.

Save

Informal Project Change Orders



On the 'Construction Contract Detail' tab, the total of all change order amounts are also shown.





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And search under "Training Materials"







Construction Contract Change Orders

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