



Explore API Documentation

SelfService_Estimate_CostItem CalculatedTopLevelCategoryValues

Version 1.0

Last Modified: 11/14/2023

Last Modified By: Aaron Cohen

Change Log

This changelog only contains significant or notable changes to the revision. Any editorial type changes or minor changes are not included.

Revision	Change Date	Description	Modified By
1.0	6/6/2022	Initial draft	Aaron Cohen

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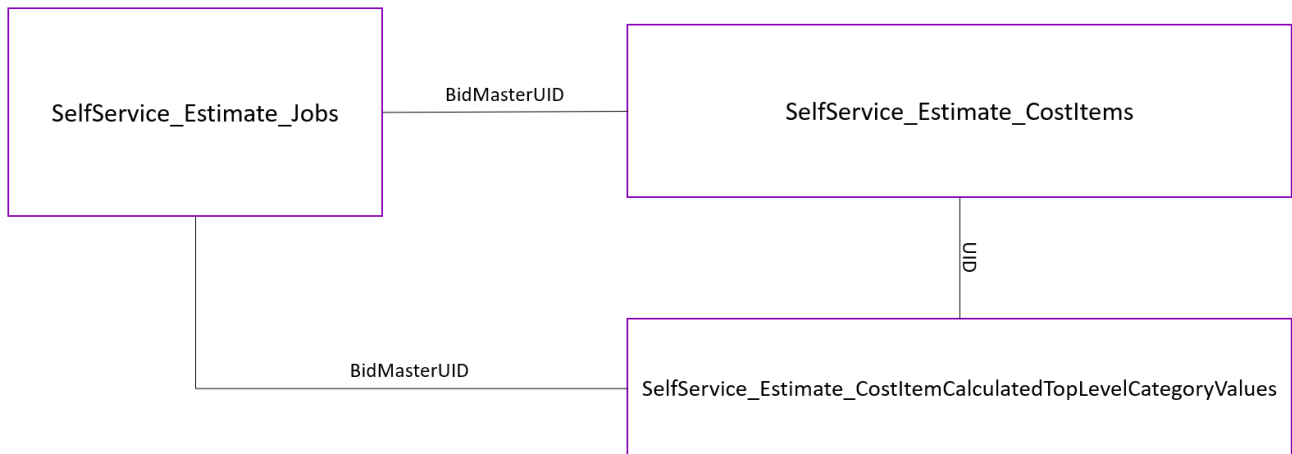
Overview

The **SelfService_Estimate_CostItemCalculatedTopLevelCategoryValues** API is one of multiple APIs comprising the data contained in the Estimate Cost Item entity. A Cost Item is an item representing an activity for a scope of work being estimated. It is commonly a collection of resource employments, labor, equipment, material, etc., whose quantities are related to the amount or work or duration of the activity. The total cost of a Cost Item can be based on its detailed resource employments, or it can be a plug cost, or it can be determined from the proportional amount of an awarded quote. Cost Items have a position in a hierarchy of costs, all or which roll up to the Job level, which is the top level cost item representing the projects total estimated cost. Terminal level cost items are where all the costs in an estimate exist, either as detailed, plugged or quoted costs, and superior cost items are cost items having subordinate and/or terminal cost items belonging to them. Superior Cost Items do not contribute to the cost of the estimate but rather roll up the costs of all cost items belonging to them.

Data fields included in the **SelfService_Estimate_CostItemCalculatedTopLevelCategoryValues** are the Top level Costs by Category for Total Cost, Total Billing Amounts and Total Adjustment Amounts and Percentages for both Costs and Billing Amounts. These values can be found in both the CBS Register and on the Cost Item Summary Tab of the Cost Item record.

Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality ¹	Comment
CostItemCalculatedTopLevelCategoryValues (CICTLCV)	Jobs (J)	CICTLCV.BidMasterJobUID = J.BidMasterJobUID	M:1	
CostItemCalculatedTopLevelCategoryValues (CICTLCV)	CostItems (CI)	CICTLCV.UIID = CI.UIID	1:1	



¹ 1:M = One to Many, 1:1 = One to One, M:1 = Many to one



API Detail

Direction	From Project Suite	
Pagination	50,000 Rows	
Frequency	All Reporting APIs are used by calling a GET method at an interval determined by the customer. InEight suggests using these APIs on an infrequent basis (once per day) to avoid potential performance impact to live systems when the returned data set could be large.	
Trigger Method(s)	All default OData filters are supported	
Average Payload Size	Depends on date range selected	
APIM Name	SelfService_Estimate_CostItemCalculatedTopLevelCategoryValues	
Data Refresh/Delta/Incremental Loads		
Project Suite	Starting Version	23.4
	Ending Version	N/A

Supported Filters

All default OData filters are supported by this API.

Fields

Name	Type	Char Max Length	Numeric Precision	Date Precision	Product	PK
EstimateCostItemCalculatedTopLevelCategoryValueId	bigint	8	19	0	Estimate	X
EstimateCostItemCalculatedTopLevelCategoryValueUF	uniqueidentifier	16	0	0	Estimate	
EstimateCostItemCalculatedValueUID	uniqueidentifier	16	0	0	Estimate	
C_TopLevelCategoryAdjustmentAmount_0	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmount_1	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmount_2	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmount_3	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmount_4	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmount_5	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmount_6	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmount_7	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmount_8	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmount_9	float	8	53	0	Estimate	

					e	
C_TopLevelCategoryAdjustmentAmountBilling_0	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmountBilling_1	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmountBilling_2	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmountBilling_3	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmountBilling_4	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmountBilling_5	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmountBilling_6	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmountBilling_7	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmountBilling_8	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentAmountBilling_9	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercent_0	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercent_1	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercent_2	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercent_3	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercent_4	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercent_5	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercent_6	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercent_7	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercent_8	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercent_9	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercentBilling_0	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercentBilling_1	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercentBilling_2	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercentBilling_3	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercentBilling_4	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercentBilling_5	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercentBilling	float	8	53	0	Estimate	



_6					e	
C_TopLevelCategoryAdjustmentPercentBilling_7	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercentBilling_8	float	8	53	0	Estimate	
C_TopLevelCategoryAdjustmentPercentBilling_9	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCost_0	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCost_1	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCost_2	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCost_3	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCost_4	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCost_5	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCost_6	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCost_7	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCost_8	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCost_9	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCostBilling_0	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCostBilling_1	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCostBilling_2	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCostBilling_3	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCostBilling_4	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCostBilling_5	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCostBilling_6	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCostBilling_7	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCostBilling_8	float	8	53	0	Estimate	
C_TopLevelCategoryTotalCostBilling_9	float	8	53	0	Estimate	
C_TopLevelCategoryUnitCost_0	float	8	53	0	Estimate	
C_TopLevelCategoryUnitCost_1	float	8	53	0	Estimate	
C_TopLevelCategoryUnitCost_2	float	8	53	0	Estimate	
C_TopLevelCategoryUnitCost_3	float	8	53	0	Estimate	

C_TopLevelCategoryUnitCost_4	float	8	53	0	Estimate
C_TopLevelCategoryUnitCost_5	float	8	53	0	Estimate
C_TopLevelCategoryUnitCost_6	float	8	53	0	Estimate
C_TopLevelCategoryUnitCost_7	float	8	53	0	Estimate
C_TopLevelCategoryUnitCost_8	float	8	53	0	Estimate
C_TopLevelCategoryUnitCost_9	float	8	53	0	Estimate
C_TopLevelCategoryUnitCostBilling_0	float	8	53	0	Estimate
C_TopLevelCategoryUnitCostBilling_1	float	8	53	0	Estimate
C_TopLevelCategoryUnitCostBilling_2	float	8	53	0	Estimate
C_TopLevelCategoryUnitCostBilling_3	float	8	53	0	Estimate
C_TopLevelCategoryUnitCostBilling_4	float	8	53	0	Estimate
C_TopLevelCategoryUnitCostBilling_5	float	8	53	0	Estimate
C_TopLevelCategoryUnitCostBilling_6	float	8	53	0	Estimate
C_TopLevelCategoryUnitCostBilling_7	float	8	53	0	Estimate
C_TopLevelCategoryUnitCostBilling_8	float	8	53	0	Estimate
C_TopLevelCategoryUnitCostBilling_9	float	8	53	0	Estimate
BidMasterJobUID	uniqueidentifier	16	0	0	Estimate
LastUpdateID	int	4	10	0	Estimate
IsActive	bit	1	1	0	Estimate
CreatedByld	bigint	8	19	0	Estimate
CreatedDate	datetimeoffset	10	34	7	Estimate
ModifiedByld	bigint	8	19	0	Estimate
ModifiedDate	datetimeoffset	10	34	7	Estimate

Field Descriptions

Name	Description	Example
EstimateCostItemCalculatedTopLevelCategoryValueId	Unique identifier assigned to each record in the table	2386702
EstimateCostItemCalculatedTopLevelCategoryValueId	System generated field, for	2d9ae57b-e145-0e47-



goryValueUF	internal use only	05c5-102db00ebb11
EstimateCostItemCalculatedValueUID	Unique identifier for the Cost Item. Not visible in the Interface	f35992fc-451c-487c-a0a2-cdad40f9bea2
C_TopLevelCategoryAdjustmentAmount_0	Labor Cost Adjustment Amount column value on the CBS Register and the Labor field value in the Cost Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmount_1	Owned Equipment Cost Adjustment Amount column value on the CBS Register and the Owned Equipment field value in the Cost Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmount_2	Rented Equipment Cost Adjustment Amount column value on the CBS Register and the Rented Equipment field value in the Cost Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmount_3	Supplies Cost Adjustment Amount column value on the CBS Register and the Supplies field value in the Cost Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmount_4	Materials Cost Adjustment Amount column value on the CBS Register and the Materials field value in the Cost Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmount_5	Subcontract Cost Adjustment Amount column value on the CBS Register and the Subcontract field value in the Cost Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmount_6	Fees Cost Adjustment Amount column value on the CBS Register and the Fees field value in the Cost Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0

C_TopLevelCategoryAdjustmentAmount_7	Allowance Cost Adjustment Amount column value on the CBS Register and the Allowance field value in the Cost Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmount_8	Custom Category 1 Cost Adjustment Amount column value on the CBS Register and the Custom Category 1 field value in the Cost Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmount_9	Undefined Cost Adjustment Amount column value on the CBS Register and the Undefined field value in the Cost Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmountBilling_0	Labor Billing Adjustment Amount column value on the CBS Register and the Labor field value in the Billing Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmountBilling_1	Owned Equipment Billing Adjustment Amount column value on the CBS Register and the Owned Equipment field value in the Billing Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmountBilling_2	Rented Equipment Billing Adjustment Amount column value on the CBS Register and the Rented Equipment field value in the Billing Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmountBilling_3	Supplies Billing Adjustment Amount column value on the CBS Register and the Supplies field value in the Billing Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmountBilling_4	Materials Billing Adjustment Amount column value on the CBS Register and the Materials field	0



	value in the Billing Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	
C_TopLevelCategoryAdjustmentAmountBilling_5	Subcontract Billing Adjustment Amount column value on the CBS Register and the Subcontract field value in the Billing Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmountBilling_6	Fees Billing Adjustment Amount column value on the CBS Register and the Fees field value in the Billing Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmountBilling_7	Allowance Billing Adjustment Amount column value on the CBS Register and the Allowance field value in the Billing Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmountBilling_8	Custom Category 1 Billing Adjustment Amount column value on the CBS Register and the Custom Category 1 field value in the Billing Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentAmountBilling_9	Undefined Billing Adjustment Amount column value on the CBS Register and the Undefined field value in the Billing Adjustment Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercent_0	Labor Cost Adjustment Percent column value on the CBS Register and the Labor field value in the Cost Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercent_1	Owned Equipment Cost Adjustment Percent column value on the CBS Register and the Owned Equipment field value in the Cost Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0

C_TopLevelCategoryAdjustmentPercent_2	Rented Equipment Cost Adjustment Percent column value on the CBS Register and the Rented Equipment field value in the Cost Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercent_3	Supplies Cost Adjustment Percent column value on the CBS Register and the Supplies field value in the Cost Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercent_4	Materials Cost Adjustment Percent column value on the CBS Register and the Materials field value in the Cost Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercent_5	Subcontract Cost Adjustment Percent column value on the CBS Register and the Subcontract field value in the Cost Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercent_6	Fees Cost Adjustment Percent column value on the CBS Register and the Fees field value in the Cost Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercent_7	Allowance Cost Adjustment Percent column value on the CBS Register and the Allowance field value in the Cost Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercent_8	Custom Category 1 Cost Adjustment Percent column value on the CBS Register and the Custom Category 1 field value in the Cost Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercent_9	Undefined Cost Adjustment Percent column value on the CBS Register and the Undefined field value in the Cost Adjustment	0



	Percent column on the Cost Item Summary tab of the Cost Item record	
C_TopLevelCategoryAdjustmentPercentBilling_0	Labor Billing Adjustment Percent column value on the CBS Register and the Labor field value in the Billing Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercentBilling_1	Owned Equipment Billing Adjustment Percent column value on the CBS Register and the Owned Equipment field value in the Billing Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercentBilling_2	Rented Equipment Billing Adjustment Percent column value on the CBS Register and the Rented Equipment field value in the Billing Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercentBilling_3	Supplies Billing Adjustment Percent column value on the CBS Register and the Supplies field value in the Billing Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercentBilling_4	Materials Billing Adjustment Percent column value on the CBS Register and the Materials field value in the Billing Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercentBilling_5	Subcontract Billing Adjustment Percent column value on the CBS Register and the Subcontract field value in the Billing Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercentBilling_6	Fees Billing Adjustment Percent column value on the CBS Register and the Fees field value in the Billing Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercentBilling_7	Allowance Billing Adjustment Percent column value on the CBS	0

	Register and the Allowance field value in the Billing Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	
C_TopLevelCategoryAdjustmentPercentBilling_8	Custom Category 1 Billing Adjustment Percent column value on the CBS Register and the Custom Category 1 field value in the Billing Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryAdjustmentPercentBilling_9	Undefined Billing Adjustment Percent column value on the CBS Register and the Undefined field value in the Billing Adjustment Percent column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCost_0	Labor Total Cost column value on the CBS Register and the Labor field value in the Total Cost column on the Cost Item Summary tab of the Cost Item record	33884.916
C_TopLevelCategoryTotalCost_1	Owned Equipment Total Cost column value on the CBS Register and the Owned Equipment field value in the Total Cost column on the Cost Item Summary tab of the Cost Item record	39576
C_TopLevelCategoryTotalCost_2	Rented Equipment Total Cost column value on the CBS Register and the Rented Equipment field value in the Total Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCost_3	Supplies Total Cost column value on the CBS Register and the Supplies field value in the Total Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCost_4	Materials Total Cost column value on the CBS Register and the Materials field value in the Total Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCost_5	Subcontract Total Cost column value on the CBS Register and the Subcontract field value in the	0



	Total Cost column on the Cost Item Summary tab of the Cost Item record	
C_TopLevelCategoryTotalCost_6	Fees Total Cost column value on the CBS Register and the Fees field value in the Total Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCost_7	Allowance Total Cost column value on the CBS Register and the Allowance field value in the Total Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCost_8	Custom Category 1 Total Cost column value on the CBS Register and the Custom Category 1 field value in the Total Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCost_9	Undefined Total Cost column value on the CBS Register and the Undefined field value in the Total Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCostBilling_0	Labor Total Billing Amount column value on the CBS Register and the Labor field value in the Total Billing Amount column on the Cost Item Summary tab of the Cost Item record	47438.88209704524
C_TopLevelCategoryTotalCostBilling_1	Owned Equipment Total Billing Amount column value on the CBS Register and the Owned Equipment field value in the Total Billing Amount column on the Cost Item Summary tab of the Cost Item record	39796.799995064735
C_TopLevelCategoryTotalCostBilling_2	Rented Equipment Total Billing Amount column value on the CBS Register and the Rented Equipment field value in the Total Billing Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCostBilling_3	Supplies Total Billing Amount column value on the CBS Register and the Supplies field value in the Total Billing Amount column on the Cost Item Summary tab of the Cost Item record	0

C_TopLevelCategoryTotalCostBilling_4	Materials Total Billing Amount column value on the CBS Register and the Materials field value in the Total Billing Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCostBilling_5	Subcontract Total Billing Amount column value on the CBS Register and the Subcontract field value in the Total Billing Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCostBilling_6	Fees Total Billing Amount column value on the CBS Register and the Fees field value in the Total Billing Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCostBilling_7	Allowance Total Billing Amount column value on the CBS Register and the Allowance field value in the Total Billing Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCostBilling_8	Custom Category 1 Total Billing Amount column value on the CBS Register and the Custom Category 1 field value in the Total Billing Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryTotalCostBilling_9	Undefined Total Billing Amount column value on the CBS Register and the Undefined field value in the Total Billing Amount column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCost_0	Labor Unit Cost column value on the CBS Register and the Labor field value in the Unit Cost column on the Cost Item Summary tab of the Cost Item record	8.300383960767121e-7
C_TopLevelCategoryUnitCost_1	Owned Equipment Unit Cost column value on the CBS Register and the Owned Equipment field value in the Unit Cost column on the Cost Item Summary tab of the Cost Item record	9.694460969928909e-7
C_TopLevelCategoryUnitCost_2	Rented Equipment Unit Cost	0



	column value on the CBS Register and the Rented Equipment field value in the Unit Cost column on the Cost Item Summary tab of the Cost Item record	
C_TopLevelCategoryUnitCost_3	Supplies Unit Cost column value on the CBS Register and the Supplies field value in the Unit Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCost_4	Materials Unit Cost column value on the CBS Register and the Materials field value in the Unit Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCost_5	Subcontract Unit Cost column value on the CBS Register and the Subcontract field value in the Unit Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCost_6	Fees Unit Cost column value on the CBS Register and the Fees field value in the Unit Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCost_7	Allowance Unit Cost column value on the CBS Register and the Allowance field value in the Unit Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCost_8	Custom Category 1 Unit Cost column value on the CBS Register and the Custom Category 1 field value in the Unit Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCost_9	Undefined Unit Cost column value on the CBS Register and the Undefined field value in the Unit Cost column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCostBilling_0	Labor Billing Unit Rate column value on the CBS Register and the Labor field value in the Billing Unit Rate column on the Cost Item Summary tab of the Cost Item record	0.0000011620537470862755

C_TopLevelCategoryUnitCostBilling_1	Owned Equipment Billing Unit Rate column value on the CBS Register and the Owned Equipment field value in the Billing Unit Rate column on the Cost Item Summary tab of the Cost Item record	9.748547712760816e-7
C_TopLevelCategoryUnitCostBilling_2	Rented Equipment Billing Unit Rate column value on the CBS Register and the Rented Equipment field value in the Billing Unit Rate column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCostBilling_3	Supplies Billing Unit Rate column value on the CBS Register and the Supplies field value in the Billing Unit Rate column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCostBilling_4	Materials Billing Unit Rate column value on the CBS Register and the Materials field value in the Billing Unit Rate column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCostBilling_5	Subcontract Billing Unit Rate column value on the CBS Register and the Subcontract field value in the Billing Unit Rate column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCostBilling_6	Fees Billing Unit Rate column value on the CBS Register and the Fees field value in the Billing Unit Rate column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCostBilling_7	Allowance Billing Unit Rate column value on the CBS Register and the Allowance field value in the Billing Unit Rate column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCostBilling_8	Custom Category 1 Billing Unit Rate column value on the CBS Register and the Custom Category 1 field value in the Billing Unit Rate column on the Cost Item Summary tab of the Cost Item record	0
C_TopLevelCategoryUnitCostBilling_9	Undefined Billing Unit Rate column value on the CBS	0



	Register and the Undefined field value in the Billing Unit Rate column on the Cost Item Summary tab of the Cost Item record	
BidMasterJobUID	Identifier of the Job record from the Jobs table in the BidMaster database. This field is not unique in this table but is unique to an instance of a Job. Not visible in the application	dec37787-a459-463b-a567-dd80f0f705b3
LastUpdateID	Field for internal use only	727
IsActive	Indicates if record is active. Please note: records will become inactive if a user un-syncs a job from Estimate application	true
CreatedById	System generated Id, will always represent the system, not actual users. This field is for internal use only	1
CreatedDate	Date/timestamp record is entered	2023-06-05T20:53:47.2982174Z
ModifiedById	System generated Id, will always represent the system, not actual users. This field is for internal use only	1
ModifiedDate	Date/timestamp record is modified	2023-06-05T20:53:47.2982174Z

Sample

```

{
  "EstimateCostItemCalculatedTopLevelCategoryId": 2386702,
  "EstimateCostItemCalculatedTopLevelCategoryValueUF": "2d9ae57b-e145-0e47-05c5-102db00ebb11",
  "EstimateCostItemCalculatedValueUID": "f35992fc-451c-487c-a0a2-cdad40f9bea2",
  "C_TopLevelCategoryAdjustmentAmount_0": 0.0,
  "C_TopLevelCategoryAdjustmentAmount_1": 0.0,
  "C_TopLevelCategoryAdjustmentAmount_2": 0.0,
  "C_TopLevelCategoryAdjustmentAmount_3": 0.0,
  "C_TopLevelCategoryAdjustmentAmount_4": 0.0,
  "C_TopLevelCategoryAdjustmentAmount_5": 0.0,
  "C_TopLevelCategoryAdjustmentAmount_6": 0.0,
  "C_TopLevelCategoryAdjustmentAmount_7": 0.0,
  "C_TopLevelCategoryAdjustmentAmount_8": 0.0,
  "C_TopLevelCategoryAdjustmentAmount_9": 0.0,
  "C_TopLevelCategoryAdjustmentAmountBilling_0": 0.0,
  "C_TopLevelCategoryAdjustmentAmountBilling_1": 0.0,
  "C_TopLevelCategoryAdjustmentAmountBilling_2": 0.0,
  "C_TopLevelCategoryAdjustmentAmountBilling_3": 0.0,
  "C_TopLevelCategoryAdjustmentAmountBilling_4": 0.0,
}
    
```

"C_TopLevelCategoryAdjustmentAmountBilling_5": 0.0,
"C_TopLevelCategoryAdjustmentAmountBilling_6": 0.0,
"C_TopLevelCategoryAdjustmentAmountBilling_7": 0.0,
"C_TopLevelCategoryAdjustmentAmountBilling_8": 0.0,
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Data Validation

Coat Item data can be validated by opening a Cost Item Record in an open job in the Estimate Application

Figure 1: Costs by Top level Cost Categories in the CBS Register

Cost Breakdown Structure (CBS) Register		Cost Item Record									
Drag columns here to group											
CBS Position Code	Description	Unit Cost	Total Cost (Forecast)	Currency	Labor Total Cost	Owmed Equipment Total Cost	Rented Equipment Total Cost	Supplies Total Cost	Materials Total Cost	Subcontract Total Cost	
	JOB	\$905,080.05	\$18,101,601.00	U.S. Dollar	\$3,755,527.59	\$9,642,094.37	\$13,541.82	\$27,008.00	\$3,339,857.75	\$108,863.60	
+	Prime Bond	\$111,966.31	\$111,966.31	U.S. Dollar	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	Price % Add-On	\$896,871.61	\$896,871.61	U.S. Dollar	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	Job Financing	\$0.00	\$0.00	U.S. Dollar	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	Direct Cost Escalation	\$479.64	\$479.64	U.S. Dollar	\$479.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	Indirect Cost Escalation	\$0.00	\$0.00	U.S. Dollar	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	Direct Cost Add-On	\$357,401.86	\$357,401.86	U.S. Dollar	\$357,401.86	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	Indirect Cost Add-On	\$0.00	\$0.00	U.S. Dollar	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	Job Management & Equipment	\$157,096.28	\$157,096.28	U.S. Dollar	\$91,176.28	\$65,920.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	General Expense	\$4,200.00	\$4,200.00	U.S. Dollar	\$0.00	\$0.00	\$0.00	\$1,200.00	\$0.00	\$0.00	
+	1 Mobilization	\$12,709.51	\$12,709.51	U.S. Dollar	\$3,249.51	\$8,960.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	2 Clearing & Grubbing	\$3,918.50	\$39,184.97	U.S. Dollar	\$13,880.57	\$24,254.40	\$0.00	\$0.00	\$0.00	\$0.00	
+	3 Unclassified Excavation	\$2.89	\$144,552.52	U.S. Dollar	\$32,536.52	\$112,016.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	3.1 Excavation	\$3.44	\$144,552.52	U.S. Dollar	\$32,536.52	\$112,016.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	3.2 Embankment	\$16.76	\$837,829.55	U.S. Dollar	\$289,869.55	\$547,960.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	4 Aggregate Base	\$268.29	\$12,072,852.00	U.S. Dollar	\$2,735,696.65	\$8,913,272.00	\$0.00	\$0.00	\$403,698.75	\$0.00	
+	4.1 Furnish & Haul Base Material	\$264.43	\$11,899,436.00	U.S. Dollar	\$2,645,472.96	\$8,830,080.00	\$0.00	\$0.00	\$403,698.75	\$0.00	
+	4.2 Finegrade Subgrade	\$0.19	\$75,848.36	U.S. Dollar	\$39,464.36	\$36,384.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	4.3 Install Aggregate Base	\$2.17	\$97,567.33	U.S. Dollar	\$50,759.33	\$46,808.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	4.3.1 Place Aggregate Base	\$1.63	\$73,460.92	U.S. Dollar	\$33,884.92	\$39,576.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	4.3.2 Blue Top Aggregate Base	\$0.06	\$24,106.42	U.S. Dollar	\$16,874.42	\$7,232.00	\$0.00	\$0.00	\$0.00	\$0.00	
+	5 Asphalt Concrete Hot Mix Type A	\$42.62	\$1,491,580.59	U.S. Dollar	\$108,952.25	\$225,003.33	\$0.00	\$0.00	\$1,102,500.00	\$0.00	
+	5.1 Furnish & Haul Hot Mix	\$39.27	\$1,374,562.54	U.S. Dollar	\$50,010.87	\$166,926.67	\$0.00	\$0.00	\$1,102,500.00	\$0.00	
+	5.2 Install Hot Mix Type A	\$3.34	\$117,018.05	U.S. Dollar	\$58,941.38	\$58,076.67	\$0.00	\$0.00	\$0.00	\$0.00	
+	6 36 Inch RCP Culvert Class III	\$69.85	\$71,525.51	U.S. Dollar	\$20,073.46	\$13,802.73	\$992.00	\$0.00	\$32,725.16	\$13,802.73	
+	6.1 Furnish RCP Materials	\$35.75	\$36,607.72	U.S. Dollar	\$0.00	\$0.00	\$0.00	\$0.00	\$32,725.16	\$0.00	
+	6.2 Excavate RCP Trench	\$4.51	\$8,379.59	U.S. Dollar	\$4,963.56	\$3,416.03	\$0.00	\$0.00	\$0.00	\$0.00	
+	6.3 Install RCP Pipe	\$11.74	\$12,017.60	U.S. Dollar	\$6,605.19	\$5,412.41	\$0.00	\$0.00	\$0.00	\$0.00	
+	6.4 Backfill RCP Pipe	\$9.15	\$14,520.59	U.S. Dollar	\$8,504.71	\$4,974.28	\$992.00	\$0.00	\$0.00	\$0.00	
+	7 10 Inch PVC Force Main (SDR21)	\$25.09	\$301,064.09	U.S. Dollar	\$54,705.77	\$56,697.60	\$0.00	\$0.00	\$164,178.56	\$0.00	
+	7.1 Furnish 10 Inch PVC Materials	\$15.81	\$189,660.73	U.S. Dollar	\$0.00	\$0.00	\$0.00	\$0.00	\$164,178.56	\$0.00	
+	7.2 Excavate-Install-Backfill 10 Inch PVC	\$9.28	\$111,403.37	U.S. Dollar	\$54,705.77	\$56,697.60	\$0.00	\$0.00	\$0.00	\$0.00	
+	8 24 Inch PVC Gravity Sewer (SDR...)	\$51.25	\$153,745.87	U.S. Dollar	\$40,869.88	\$34,371.68	\$2,825.00	\$0.00	\$67,695.23	\$0.00	
+	8.1 Excavate 24 Inch PVC	\$3.00	\$9,005.49	U.S. Dollar	\$2,973.89	\$6,031.60	\$0.00	\$0.00	\$0.00	\$0.00	
128			\$18,101,601.00		\$3,755,527.59	\$9,642,094.37	\$13,541.82	\$27,008.00	\$3,339,857.75	\$108,863.60	



Figure 2: Cost Item Summary tab of the Cost Item Record

Cost Breakdown Structure (CBS) Register **Cost Item Record**

CBS Code: 303 5912 Optional Code: 303 5912 Description: AggregateBase

4.3 4.3 Install AggregateBase

4.3.1 4.3.1 Place AggregateBase

PI Assignment: 303 5912 PI Line Number: 40 PI Description: AggregateBase

Forecast (T/O) Qty: 45,000.00 Unit of Measure: Ton Unit Cost: \$268.29 Total Cost: \$12,072,852.34 Currency: U.S. Dollar

45,000.00 Ton \$2.17 \$97,567.33 U.S. Dollar

45,000.00 Ton \$1.63 \$73,460.92 U.S. Dollar

Cost Segment: Direct Cost Pay Quantity: 40,000.00 Cost Source: Detail Alternate: BASE

Cost Category	Unit Cost	Total Cost	Unadjusted Total Cost	Cost Adjustment Percent	Cost Adjustment Amount	Billing Unit Rate	Total Billing Amount	Unadjusted Total Billing Amount	Billing Adjustment Percent	Billing Adjustment Amount
Total	\$1.63	\$73,460.92	\$73,460.92	0.00	\$0.00	\$1.94	\$87,235.68	\$87,235.68	0.00	\$0.00
Labor	\$0.75	\$33,884.92	\$33,884.92	0.00	\$0.00	\$1.05	\$47,438.88	\$47,438.88	0.00	\$0.00
Labor Base	\$0.58	\$25,896.00	\$25,896.00	0.00	\$0.00	\$0.81	\$36,254.40	\$36,254.40	0.00	\$0.00
Labor Burden	\$0.18	\$7,988.92	\$7,988.92	0.00	\$0.00	\$0.25	\$11,184.48	\$11,184.48	0.00	\$0.00
Labor Fringes	\$0.05	\$2,330.64	\$2,330.64	0.00	\$0.00	\$0.07	\$3,262.90	\$3,262.90	0.00	\$0.00
Labor Insurance	\$0.05	\$2,330.64	\$2,330.64	0.00	\$0.00	\$0.07	\$3,262.90	\$3,262.90	0.00	\$0.00
Labor Taxes	\$0.07	\$3,327.64	\$3,327.64	0.00	\$0.00	\$0.10	\$4,658.69	\$4,658.69	0.00	\$0.00
FICA	\$0.05	\$2,032.84	\$2,032.84	0.00	\$0.00	\$0.06	\$2,845.97	\$2,845.97	0.00	\$0.00
FUTA	\$0.01	\$517.92	\$517.92	0.00	\$0.00	\$0.02	\$725.09	\$725.09	0.00	\$0.00
SUTA	\$0.02	\$776.88	\$776.88	0.00	\$0.00	\$0.02	\$1,087.63	\$1,087.63	0.00	\$0.00
Undefined Tax1	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00
Undefined Labor T...	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00
Undefined Labor Burd...	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00
Undefined Labor	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00
Owned Equipment	\$0.88	\$39,576.00	\$39,576.00	0.00	\$0.00	\$0.88	\$39,796.80	\$39,796.80	0.00	\$0.00
OE Ownership	\$0.22	\$10,080.00	\$10,080.00	0.00	\$0.00	\$0.22	\$10,080.00	\$10,080.00	0.00	\$0.00
OE Operation	\$0.66	\$29,496.00	\$29,496.00	0.00	\$0.00	\$0.66	\$29,716.80	\$29,716.80	0.00	\$0.00
Undefined Owned Equipm...	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00
Rented Equipment	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00
Supplies	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00
Materials	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00
Subcontract	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00
Fees	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00
Allowance	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00
Custom Category1	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00
Undefined	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00

Cost Item Setup

Default Pay Rules

Composite Wage Scale: Scale 1: 100.00, Scale 2: 0.00, Scale 3: 0.00

For every 8.00 hours worked, pay 8.00 hours

Default Shift Arrangements

Work Hours per Shift: 8.00, Shifts per Day: 1.00, Days per Week: 5.00

Default Properties

Account Code: 1120.200

Cost Curve: Linear

Worker's Comp Override: Superior CI

Quantity Driver: Superior CI

Quantity Roll-Up: 1

Quote Group Tag: []

Minority Goal Allowance: 100.00

Phase Code: 1018

When man-count changes: Change UM / Man-Hour, Change Days

Suspend:

Security

Last Changed By: aaron cohen

Last Changed On: 6/5/2023 4:32:23 PM

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