



Explore API Documentation

SelfService_Estimate_CostItemNote

Version 1.0

Last Modified: 11/14/2023

Last Modified By: Natalie Takacs



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	3/18/2020	Initial draft	Natalie Takacs

Contents

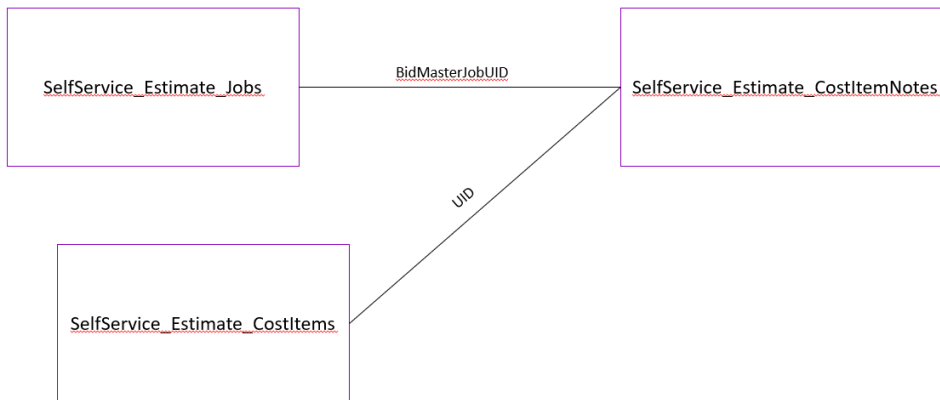
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Overview

The **SelfService_Estimate_CostItemNotes** API provides the data contained in the Notes field on a Cost Item Record. Because this can be a rather large amount of data, it is stored in a separate table rather than being included as a field in the Cost Items table.

Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality ¹	Comment
CostItemNotes (CIN)	Jobs (J)	CIN.BidMasterJobUID = J.BidMasterJobUID	M:1	
CostItemNotes (CIN)	CostItems (CI)	CIN.ParentUID = CI.UID	M:1	



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_CostItemNote

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

Data Refresh/Delta/Incremental Loads		
Project Suite	Starting Version	21.5
	Ending Version	N/A

Supported Filters

All default OData filters are supported by this API.

Fields

Name	Type	CharMaxLength	NumericPrecision	DatePrecision	Product	PK
EstimateCostItemNoteId	bigint	8	19	0	Estimate	X
EstimateCostItemNoteUF	uniqueidentifier	16	0	0	Estimate	
EstimateCostItemNoteUID	uniqueidentifier	16	0	0	Estimate	
ParentUID	uniqueidentifier	16	0	0	Estimate	
SaveID	int	4	10	0	Estimate	
Text	nvarchar	8000	0	0	Estimate	
BidMasterJobUID	uniqueidentifier	16	0	0	Estimate	
LastUpdateID	int	4	10	0	Estimate	
IsActive	bit	1	1	0	Report	
CreatedById	bigint	8	19	0	Report	
CreatedDate	datetimeoffset	10	34	7	Report	
ModifiedById	bigint	8	19	0	Report	
ModifiedDate	datetimeoffset	10	34	7	Report	

Field Descriptions

Name	Description	Example
EstimateCostItemNoteId	Unique identifier assigned to each record in the table	1
EstimateCostItemNoteUF	System generated field, for internal use only	N/A
EstimateCostItemNoteUID	Unique identifier for Cost Item Note record in the CostItemNotes table. Not unique in this table but unique to an instance of a Job. Not visible in the interface	02D0A02F-8019-4A8C-9FA0-980965602DB1

ParentUID	Unique identifier for Cost Item record in the Cost Items table. Not unique in this table but unique to an instance of a Job. Not visible in the interface	5376AA5E-8C85-43E8-9ACB-D7422000E832
SaveID	Field for internal use only	282
Text	Text field appearing in the Notes field on the Cost Item Record and in the CBS Register for a particular Cost Item	It is mostly shrubs and small trees that can be hauled off.
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 interface.	5376AA5E-8C85-43E8-9ACB-D7422000E832
LastUpdateID	Field for internal use only	430
IsActive	Indicates if record is active. Please note: records will become inactive if a user un-syncs a job from Estimate application	1
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	2022-02-21 17:47:05.4923658 +00:00
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	2022-02-21 17:47:05.4923658 +00:00

Commented [AC1]: used to determine if a record has changed and needs to be updated when a save is invoked, prevents updating all data on a save event

Commented [AC2]: Similar to SaveID, but used across multiple jobs. May be used in the ODS sync to see if changes need to be pushed

Sample

```
{ "EstimateCostItemNoteId":5008,"EstimateCostItemNoteUF":"9e1ba643-97ea-06b5-0011-dfc0d086b782","EstimateCostItemNoteUID":"00544a95-eb54-4694-9aa4-8f64cf8e5a88","ParentUID":"f918a95f-378b-4ae3-9d4f-85ecbf3d7767","SaveID":476,"Text":null,"BidMasterJobUID":"9e4fec6-7cbe-4021-9ab5-50a41f08ed0a","LastUpdateID":83,"IsActive":false,"CreatedById":1,"CreatedDate":"2021-12-02T20:24:42.7948131Z","ModifiedById":1,"ModifiedDate":"2021-12-16T17:53:17.7307246Z"}
```

Data Validation

This data can be validated by expanding the Notes field of a Cost Item either in the CBS Register or viewing the Notes data block of a Cost Item Record

Figure 1: Cost Item Notes data block on a Cost Item Record

The screenshot displays the 'Training Job - Reporting - Training Job - Maricopa County No. TM2924 - Estimate' window. The 'Cost Item Record' tab is active, showing details for CBS Code 2010102, Description 'Clearing & Grubbing', and a Total Cost of \$39,184.97. The 'Cost Item Summary' shows a total of \$3,918.50. The 'Notes' field is expanded, displaying the text: 'It is mostly shrubs and small trees that can be hauled off.' Below the notes, a table lists various cost items with their respective codes, descriptions, quantities, and units.

Row Number	Code	Resource Type	Description	Quantity	Cost Driver	Unit of Measure	Prod Fact
1	LL2	Labor Rate	Laborer	2.00	CI Duration	Each	
2	LO4	Labor Rate	Operator Foreman	1.00	CI Duration	Each	
3	LT1	Labor Rate	Teamster	1.00	CI Duration	Each	
4	LO1	Labor Rate	Operator Class 1	2.00	CI Duration	Each	
5	ED6	Constructo...	Dozer D6	1.00	CI Duration	Each	
6	ETFT	Constructo...	Flatbed Truck	1.00	CI Duration	Each	
7	ETDT	Constructo...	Dump Truck	1.00	CI Duration	Each	
8	EL950	Constructo...	Loader 950	1.00	CI Duration	Each	
9	UDUMP	Unique Rate	Dump Fees	10.00	CI Quantity	Load	

Figure 2: Cost Item Notes field expanded on the CBS Register



Training Job - Reporting - Training Job - Maricopa County No. TM2924 - Estimate

File Setup Estimate Quote Price Execution System Actions More Actions

Print Open Cut Fill Down Toggle Suspended Link Field Cost Item Assembly Resource
 Preview New Copy Split Indent Unlink Field Subordinate Cost Item Subordinate Assembly Resource Assembly
 Export to Excel Delete Paste Split by Cost Type Outdent Dependent Cost Item Insert Expand / Collapse Filter Clear Filter

Cost Breakdown Structure (CBS) Register

Drag columns here to group Saved views: Previous View

CBS Position Code	Description	Notes	Optional Code	Forecast (T/D) Quantity	Unit of Measure	Unit Cost	Total Cost (Forecast)	Subject Cost	Subject Cost Rate	Allocated
	JOB			20.00	Mile	\$293,095.93	\$5,861,918.63			
+	Prime Bond		PRIME BOND	1.00	Lump Sum	\$47,069.88	\$47,069.88			
+	Price % Add-On		PRICE % ADD-ON	1.00	Lump Sum	\$294,928.95	\$294,928.95			
+	Job Financing		FINANCE EXPENSE	1.00	Lump Sum	\$0.00	\$0.00			
+	Indirect Cost Escalation		INDIRECT COST ESCALATION	1.00	Lump Sum	\$0.00	\$0.00			
+	Direct Cost Escalation		DIRECT COST ESCALATION	1.00	Lump Sum	\$18,837.35	\$18,837.35			
+	Indirect Cost Add-On		INDIRECT COST ADD-ON	1.00	Lump Sum	\$0.00	\$0.00			
+	Job Management & Equipment		JOB MANAGEMENT & EQUIPMENT	1.00	Lump Sum	\$157,096.28	\$157,096.28			
+	General Expense		GENERAL EXPENSE	1.00	Lump Sum	\$4,200.00	\$4,200.00			
+	Direct Cost Add-On		DIRECT COST ADD-ON	1.00	Lump Sum	\$104,301.10	\$104,301.10	\$5,215,054.94	2.00	
+	1 Mobilization		641 0100	1.00	Lump Sum	\$11,909.51	\$11,909.51			
+	2 Clearing & Grubbing		201 0102	10.00	Acre	\$5,918.50	\$59,184.97			
+	3 Unclassified Excavation	It is mostly shrubs and small trees that can be hauled off.		00	Cubic Yard	\$4.68	\$233,915.81			
+	3.1 Excavation			00	Cubic Yard	\$3.00	\$149,922.88			
+	3.2 Embankment			00	Cubic Yard	\$1.68	\$83,992.94			
+	4 Aggregate Base			00	Ton	\$15.40	\$692,928.99			
+	4.1 Furnish & Haul Base Material			00	Ton	\$11.54	\$519,513.30			
+	4.2 Finegrade Subgrade			00	Square Yard	\$0.19	\$75,848.36			
+	4.3 Install Aggregate Base			00	Ton	\$2.17	\$97,567.33			
+	4.3.1 Place Aggregate Base		4.3.1	45,000.00	Ton	\$1.63	\$73,460.92			
+	4.3.2 Blue Top Aggregate Base		4.3.2	400,000.00	Square Yard	\$0.06	\$24,106.42			
+	5 Asphalt Concrete Hot Mix Type A		303 4263	35,000.00	Ton	\$42.62	\$1,491,580.59			
+	5.1 Furnish & Haul Hot Mix		5.1	35,000.00	Ton	\$39.27	\$1,374,562.54			
+	5.2 Install Hot Mix Type A		5.2	35,000.00	Ton	\$3.34	\$117,018.05			
+	6		413R1 004	1,034.00	Linear Foot	\$67.54	\$69,819.48			
							106			\$5,861,918.63

As-Entered Currency As-Entered Units Training Job - Reporting - Training Job - Maricopa County No. TM2924 Accrued Costs OFF

