



Explore API Documentation

SelfService_Estimate_PayItem

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	3/30/2022	Initial draft	Natalie Takacs

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Overview

The **SelfService_Estimate_PayItem** API is one of multiple APIs comprising the data contained in the Estimate Pay Item entity. A Pay Item is business object commonly representing a Bid Item on an owners Bid Form or a line item on a Schedule of Values and the sum of all Pay Item prices commonly represents the total Bid Amount of an Estimate. In a locked job the Pay Item automatically creates a corresponding Level 1 Cost Item which it is assigned to. In an unlocked job, Pay Items and Cost Items can be created independently of each other and assignments can be made regardless of an items position in the hierarchy.

The Estimate Pay Item entity mainly includes three tables, *SelfService_Estimate_PayItem*, *SelfService_Estimate_PayItemCalculatedValues* and *SelfService_Estimate_PayItemReferencedData*.

The *SelfService_Estimate_PayItem* table contains Pay Items as created and managed within the Estimate application.

The *SelfService_Estimate_PayItemCalculatedValues* table contains Pay Item data commonly calculated in some way for display purposes in the application and can provide a convenient way to reference data as it appears in the application without needing to transform it for display purposes.

The *SelfService_Estimate_PayItemReferencedData* contains the values of the many foreign key lookup values stored in reference tables and can provide a convenient way to reference data as it appears in the application without needing to lookup the foreign key values from a lookup table.

Monetary values stored in the database are stored in their base currency and corresponding values displayed in the application have been modified based on the conversion factor of the items assigned currency.

Quantity values stored in the database are stored in their base measurement units and corresponding values displayed in the application are potentially modified based on the conversation factor of the items unit of measure

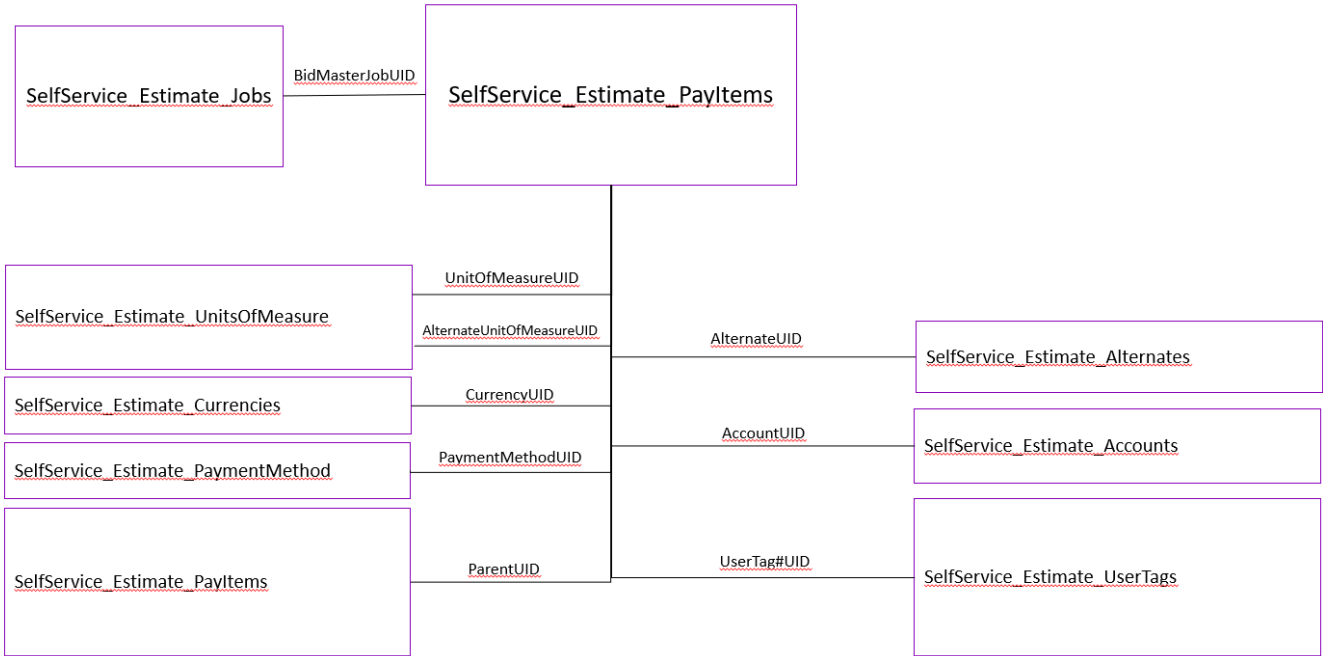
Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality ¹	Comment
PayItems (PI)	Jobs (J)	PI.BidMasterJobUID = J.BidMasterJobUID	M:1	
PayItems (PI)	Pay Items (PIP)	PI.ParentUID = PIP.UID	M:1	
PayItems (PI)	Alternates (A)	PI.AlternateUID = A.UID	M:1	
PayItems (PI)	UnitsOfMeasure (UM)	PI.UnitOfMeasureUID = UM.UID	M:1	
PayItems (PI)	UnitsOfMeasure (BUM)	PI.AlternateUnitOfMeasureUID = BUM.UID	M:1	
PayItems (PI)	Currencies (C)	PI.CurrencyUID = C.UID	M:1	
PayItems (PI)	PaymentMethod (PM)	PI.PaymentMethodUID = PM.UID	M:1	
PayItems (PI)	Accounts (A)	PI.AccountUID = A.UID	M:1	
PayItems (PI)	UserTags (UT)	PI.UserTag#UID = UT.UID	M:1	

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



SelfService_Estimate_PayItems



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_PayItem	
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	Char Max Length	Numeric Precision	Date Precision	Product	PK
EstimatePayItemId	bigint		19		Estimate	X
EstimatePayItemUF	uniqueidentifier				Estimate	
EstimatePayItemUID	uniqueidentifier				Estimate	
EstimateAccountCodeUID	uniqueidentifier				Estimate	
AlertJobMax	float		53		Estimate	
AlertJobMin	float		53		Estimate	
AlertPriceMax	float		53		Estimate	
AlertPriceMin	float		53		Estimate	
AlternateUID	uniqueidentifier				Estimate	
AlternateUnitOfMeasureUID	uniqueidentifier				Estimate	
AssignedDirectCost	float		53		Estimate	
AssignedEarningsAmount	float		53		Estimate	
AssignedEarningsPercent	float		53		Estimate	
BalancedDirectProfit	float		53		Estimate	
BalancedIndirectProfit	float		53		Estimate	
BalancedUnitPrice	float		53		Estimate	
CalculatedBalancedPrice	float		53		Estimate	
CalculatedUnitPrice	float		53		Estimate	
EstimateCurrencyUID	uniqueidentifier				Estimate	
DataSource	nvarchar	200			Estimate	
Description	nvarchar	-1			Estimate	
IsSuspended	bit				Estimate	
IsSuspendedByUser	bit				Estimate	
LineID	nvarchar	100			Estimate	
Margin	float		53		Estimate	
Notes	nvarchar	4000			Estimate	
OriginalForecastQuantity	float		53		Estimate	
OriginalPayQuantity	float		53		Estimate	
PayItemID	nvarchar	100			Estimate	
EstimatePaymentMethodUID	uniqueidentifier				Estimate	
PriceLocked	bit				Estimate	
ProposalSubtotal	bit				Estimate	
ProposalSubtotalDescription	nvarchar	100			Estimate	
QtyVariance	float		53		Estimate	
QtyVarianceGroup	nvarchar	10			Estimate	
QtyVariancePercentage	float		53		Estimate	
QuantityLocked	bit				Estimate	
ReferenceNumber	nvarchar	100			Estimate	
RoundingPrecision	int		10		Estimate	
RunningSubtotalAmount	float		53		Estimate	
SaveID	int		10		Estimate	



SubtotalAmount	float		53		Estimate	
TotalPrice	float		53		Estimate	
UnassignedDirectCost	float		53		Estimate	
EstimateUnitOfMeasureUID	uniqueidentifier				Estimate	
UnitPrice	float		53		Estimate	
UseDefaultEarningsRules	bit				Estimate	
UserDefined1	nvarchar	250			Estimate	
UserDefined2	nvarchar	250			Estimate	
UserDefined3	nvarchar	250			Estimate	
UserDefined4	nvarchar	250			Estimate	
UserDefined5	nvarchar	250			Estimate	
UserDefined6	nvarchar	250			Estimate	
UserDefined7	nvarchar	250			Estimate	
UserDefined8	nvarchar	250			Estimate	
UserDefined9	nvarchar	250			Estimate	
UserDefined10	nvarchar	250			Estimate	
EstimateUserTag1UID	uniqueidentifier				Estimate	
EstimateUserTag2UID	uniqueidentifier				Estimate	
EstimateUserTag3UID	uniqueidentifier				Estimate	
EstimateUserTag4UID	uniqueidentifier				Estimate	
EstimateUserTag5UID	uniqueidentifier				Estimate	
EstimateUserTag6UID	uniqueidentifier				Estimate	
EstimateUserTag7UID	uniqueidentifier				Estimate	
EstimateUserTag8UID	uniqueidentifier				Estimate	
EstimateUserTag9UID	uniqueidentifier				Estimate	
EstimateUserTag10UID	uniqueidentifier				Estimate	
BidMasterJobUID	uniqueidentifier				Estimate	
LastUpdateID	int		10		Estimate	
IsActive	bit				Estimate	
CreatedById	bigint		19		Estimate	
CreatedDate	datetimeoffset			7	Estimate	
ModifiedById	bigint		19		Estimate	
ModifiedDate	datetimeoffset			7	Estimate	
AssignedBusinessOverhead	float		53		Estimate	
AssignedJobOverhead	float		53		Estimate	
CurrentMarkup	float		53		Estimate	
HiddenSort	nvarchar	100			Estimate	
ParentUID	uniqueidentifier				Estimate	
PositionCode	nvarchar	100			Estimate	
UnassignedBusinessOverhead	float		53		Estimate	
UnassignedJobOverhead	float		53		Estimate	

Field Descriptions

Name	Description	Example
EstimatePayItemId	Unique identifier assigned to each record in the table	2386741
EstimatePayItemUF	System generated field, for internal use only	e329eae8-3337-059a-2e7d-1c869d2cdada
EstimatePayItemUID	Unique Identifier for Pay item entries. Not visible in the Interface.	3dea9d6f-976e-43a1-8b1a-c1066ddbdf69
EstimateAccountCodeUID	Account Code identifier of the Pay Item entries. Account Code value from the Accounts table.	4113afd0-3287-403c-8fde-dc6ae6d5aab5
AlertJobMax	Maximum Alert/Alarm value based on percentage of the Job	0.0
AlertJobMin	Minimum Alert/Alarm value based on percentage of the Job	0.0
AlertPriceMax	Maximum Alert/Alarm Limit value for Unit Price	0.0
AlertPriceMin	Minimum Alert/Alarm Limit value for Unit Price	0.0
AlternateUID	Alternate Scenario identifier of the Pay Item entries. Alternate Scenario value from the Alternates table.	3f3b2f4f-c14f-4eca-ba08-b1d1ba785dbc
AlternateUnitOfMeasureUID	Identifier of the Pay Items Base Unit of Measure entry in the UnitsOfMeasure table. This value is not displayed in the UI	368653b4-9b1c-48ad-8453-f39177660063
AssignedDirectCost	Assigned Direct Total Cost field value for the Pay Item	10731424.30
AssignedEarningsAmount	Assigned Earnings (Forecast) Amount field value found on the Earning Rules tab of the Pay Item record	990000.0
AssignedEarningsPercent	Assigned Earnings (Forecast) % field value found on the Earning Rules tab of the Pay Item record	100.0
BalancedDirectProfit	Value of the jobs calculated amount from the Direct Cost Markup item in the PBS for this Pay Items portion of the markup amount	2093498.26
BalancedIndirectProfit	Value of the jobs calculated amount from the Indirect Cost Markup item in the PBS for this Pay Items portion of the markup amount	125988.22



BalancedUnitPrice	Pay Items Unit Price (balanced) field value. Since quantities are stored in their base values, multiply the Unit Price (balanced) field value by the items corresponding Unit of Measure Factor to obtain the applications display value.	0.00038736323485173414
CalculatedBalancedPrice	Field for internal use only	0.00038736030467393994
CalculatedUnitPrice	Field for internal use only	1.5261028683E-05
EstimateCurrencyUID	Currency identifier of the Pay Item entries Currency value from the Currencies table	58687bb8-8107-4b88-ae04-f236c3050e58
DataSource	The source of the pay item. For E.g. DOT, Template Job code.	null
Description	Description of the Pay Item entries in pay item & proposal record and register	Aggregate Base
IsSuspended	Indicates the state of the Suspend checkbox field for a pay item. Suspended pay items does not contribute to the Job's price. There are multiple ways of suspending pay items in the application. The suspended state of a pay item is visible by the data fields displaying the systems suspended color, grey by default.	1 – True 0 – False
IsSuspendedByUser	Indicates if a suspended pay item has been suspended by the user. Pay items can be suspended by checking the Suspend checkbox field in the pay item record or using the Toggle Suspend command on a Pay item & Proposal Register. Not visible in the application.	1 – True 0 – False
LineID	It is the Pay Item 'Line Number' in the UI	40
Margin	It is pay item's margin expressed as a whole number percent. Calculated using $1 - (\text{Total Cost} \div \text{Total Price (current)})$. This value is not visible in the interface	-1245.092
Notes	Multi-line text field for storing Notes on Pay Item entries	null
OriginalForecastQuantity	Forecast (T/O) Quantity field value for the Pay Item. Since quantities are stored in their base values, divide the Forecast (T/O) Quantity field value by the Pay Items assigned Unit of Measure	40823311500.0

	Factor to obtain the applications display value. When Pay Quantity and Forecast (T/O) Quantity field values are different, an over-run or under-run conditions exists	
OriginalPayQuantity	Pay Quantity field value for the Pay Item. Since quantities are stored in their base values, divide the Pay Quantity field value by the Pay Items assigned Unit of Measure Factor to obtain the applications display value.	36287388000.0
PayItemID	Pay Item Number field value for the Pay Item	303 5912
EstimatePaymentMethodUID	It is the Identifier of the Pay Items Payment Method entry	6eb5b002-a636-4cd7-8a7b-a202df0e6c97
PriceLocked	Locking pay item prices prevents the pay item prices from being changed by other operations in the system	1- true 0- False
ProposalSubtotal	It is a Boolean field for the pay item in pay item record and pay item & proposal register.	1- True 0- False
ProposalSubtotalDescription	It is the description field for a pay item in pay item record and pay item & proposal register. It is editable when the ProposalSubtotal field is set to True	Page 1
QtyVariance	Quantity Variance field value for the Pay Item. Is the difference between Pay Item's Forecast (T/O) Quantity and Pay Quantity. Since quantities are stored in their base values, divide the QtyVariance field value by the Pay Items assigned Unit of Measure Factor to obtain the applications display value.	4535923500.0
QtyVarianceGroup	Quantity Variance Group field value for the Pay Item. The value in this field is related to the QtyVariance and if QtyVariance is negative value, then it is it Under Run If the QtyVariance is positive value, then it is Over Run If the quantity variance is zero '0', then it is Even Run	Under Run Over Run Even Run
QtyVariancePercentage	Quantity Variance field value for the Pay Item. It is the Percentage	12.5

	difference between Pay Item's Forecast (T/O) Quantity and Pay Quantity	
QuantityLocked	Lock Quantity field value for the Pay Item. Locking pay item quantity prevents the Pay Quantity and Forecast (T/O) Quantity field values from being directly edited in the Pay Item and Proposal register and record	1- true 0- False
ReferenceNumber	Value of the Pay Items <i>Reference Number</i> field. It is commonly used to store a foreign key field value when importing data from external applications. This Field is read-only.	null
RoundingPrecision	It is numerical field for a pay item in pay item & proposal register and pay item record. It is used to set the rounding precision for a pay item's unit price.	2
RunningSubtotalAmount	It is the Running Subtotal Amount field in pay item & proposal and pay item record. It is the sum of multiple pay item groups	0.0
SaveID	Field for internal use only	537
SubtotalAmount	It is the Subtotal Amount field in pay item & proposal and pay item record. It is the sum of all the pay items in group	0.0
TotalPrice	Pay items <i>Total Price (current)</i> field value. Found on the pay item & proposal register and pay item record.	880000.0
UnassignedDirectCost	Unassigned Direct Total Cost Distribution field value of the pay item	700.65163426863762
EstimateUnitOfMeasureUID	Identifier of the Pay Items <i>Unit of Measure</i> in the UnitsOfMeasure table.	c985403d-620f-4af0-96da-3c2df9edac6c
UnitPrice	Pay items <i>Unit Price (current)</i> field value. Since quantities are stored in their base values, multiply the Unit Price by the items corresponding Unit of Measure Factor to obtain the applications display value. Found on the pay item & proposal register and pay item record.	2.4250849909615979E-05

UseDefaultEarningsRules	Default Earnings Rules field value in pay item record	1- true 0- False
UserDefined1	Value of the 'User Defined 1' text type data field on the Tags/ User Defined fields of the Pay Item Record	Base Courses
UserDefined2	Value of the 'User Defined 2' text type data field on the Tags/ User Defined fields of the Pay Item Record	null
UserDefined3	Value of the 'User Defined 3' text type data field on the Tags/ User Defined fields of the Pay Item Record	null
UserDefined4	Value of the 'User Defined 4' text type data field on the Tags/ User Defined fields of the Pay Item Record	null
UserDefined5	Value of the 'User Defined 5' text type data field on the Tags/ User Defined fields of the Pay Item Record	null
UserDefined6	Value of the 'User Defined 6' text type data field on the Tags/ User Defined fields of the Pay Item Record	null
UserDefined7	Value of the 'User Defined 7' text type data field on the Tags/ User Defined fields of the Pay Item Record	null
UserDefined8	Value of the 'User Defined 8' text type data field on the Tags/ User Defined fields of the Pay Item Record	null
UserDefined9	Value of the 'User Defined 9' text type data field on the Tags/ User Defined fields of the Pay Item Record	null
UserDefined10	Value of the 'User Defined 10' text type data field on the Tags/ User Defined fields of the Pay Item Record	null
EstimateUserTag1UID	Tag field identifier for the value of Tag 1 from the UserTags table	ccf9aa68-464f-44a2-9080-24081d37cefa
EstimateUserTag2UID	Tag field identifier for the value of Tag 2 from the UserTags table	null
EstimateUserTag3UID	Tag field identifier for the value of Tag 3 from the UserTags table	null
EstimateUserTag4UID	Tag field identifier for the value of Tag 4 from the UserTags table	null



EstimateUserTag5UID	Tag field identifier for the value of Tag 5 from the UserTags table	null
EstimateUserTag6UID	Tag field identifier for the value of Tag 6 from the UserTags table	null
EstimateUserTag7UID	Tag field identifier for the value of Tag 7 from the UserTags table	null
EstimateUserTag8UID	Tag field identifier for the value of Tag 8 from the UserTags table	null
EstimateUserTag9UID	Tag field identifier for the value of Tag 9 from the UserTags table	null
EstimateUserTag10UID	Tag field identifier for the value of Tag 10 from the UserTags table	null
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.	dec37787-a459-463b-a567-dd80f0f705b3
LastUpdateID	Field for internal use only	628
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	2023-05-08T21:57:36.2033812Z
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	2023-05-08T21:57:36.2033812Z
AssignedBusinessOverhead	Value of the Assigned Business Overhead Cost appearing in the Total Price (balanced) column of the Item Recap on the Pay Item & Proposal register	0.0
AssignedJobOverhead	Value of the Assigned Job Overhead Cost appearing in the Total Price (balanced) column of the Item Recap on the Pay Item & Proposal register	0.0

CurrentMarkup	Total Markup (current) field value for the Pay Item	-10956807.19
HiddenSort	Value indicating the ordinal position of the Pay Items in the Pay Item & Proposal register when the register is sorted by the Position Code. Can be used for sorting. Not visible in the application.	4
ParentUID	For subordinate Pay Items, identifier of the Pay Items <i>Parent Pay Item</i> as used to establish the pay item hierarchy in the Pay Item & Proposal register	null
PositionCode	Pay Items <i>Position Code</i> field value. Is automatically calculated based on the Pay Items hierarchical position in the Pay Item & Proposal register	4
UnassignedBusinessOverhead	Value of the Unassigned Business Overhead Cost appearing in the Total Price (balanced) column of the Item Recap on the Pay Item & Proposal register	706995.94
UnassignedJobOverhead	Value of the Unassigned Job Overhead Cost appearing in the Total Price (balanced) column of the Item Recap on the Pay Item & Proposal register	397686.29

Sample

```
{
  "EstimatePayItemId": 2386741,
  "EstimatePayItemUF": "e329eae8-3337-059a-2e7d-1c869d2cdada",
  "EstimatePayItemUID": "3dea9d6f-976e-43a1-8b1a-c1066ddbdf69",
  "EstimateAccountCodeUID": "4113afd0-3287-403c-8fde-dc6ae6d5aab5",
  "AlertJobMax": 0.0,
  "AlertJobMin": 0.0,
  "AlertPriceMax": 0.0,
  "AlertPriceMin": 0.0,
  "AlternateUID": "3f3b2f4f-c14f-4eca-ba08-b1d1ba785dbc",
  "AlternateUnitOfMeasureUID": "368653b4-9b1c-48ad-8453-f39177660063",
  "AssignedDirectCost": 10731424.3017619,
  "AssignedEarningsAmount": 990000.0,
  "AssignedEarningsPercent": 100.0,
  "BalancedDirectProfit": 2093498.2587800205,
  "BalancedIndirectProfit": 125988.22431152867,
  "BalancedUnitPrice": 0.00038736323485173414,
  "CalculatedBalancedPrice": 0.00038736030467393994,
  "CalculatedUnitPrice": 1.5261028683E-05,
```



```
"EstimateCurrencyUID": "58687bb8-8107-4b88-ae04-f236c3050e58",
"DataSource": null,
>Description": "Aggregate Base",
"IsSuspended": false,
"IsSuspendedByUser": false,
"LineID": "40",
"Margin": -1245.092,
"Notes": null,
"OriginalForecastQuantity": 40823311500.0,
"OriginalPayQuantity": 36287388000.0,
"PayItemID": "303 5912",
"EstimatePaymentMethodUID": "6eb5b002-a636-4cd7-8a7b-a202df0e6c97",
"PriceLocked": false,
"ProposalSubtotal": true,
"ProposalSubtotalDescription": "Page 1",
"QtyVariance": 4535923500.0,
"QtyVarianceGroup": "Over Run",
"QtyVariancePercentage": 12.5,
"QuantityLocked": false,
"ReferenceNumber": null,
"RoundingPrecision": 2,
"RunningSubtotalAmount": 0.0,
"SaveID": 537,
"SubtotalAmount": 0.0,
"TotalPrice": 880000.0,
"UnassignedDirectCost": 700.65163426863762,
"EstimateUnitOfMeasureUID": "c985403d-620f-4af0-96da-3c2df9edac6c",
"UnitPrice": 2.4250849909615979E-05,
"UseDefaultEarningsRules": true,
>UserDefined1": "Base Courses",
>UserDefined2": null,
>UserDefined3": null,
>UserDefined4": null,
>UserDefined5": null,
>UserDefined6": null,
>UserDefined7": null,
>UserDefined8": null,
>UserDefined9": null,
>UserDefined10": null,
"EstimateUserTag1UID": "ccf9aa68-464f-44a2-9080-24081d37cefa",
"EstimateUserTag2UID": null,
"EstimateUserTag3UID": null,
"EstimateUserTag4UID": null,
"EstimateUserTag5UID": null,
"EstimateUserTag6UID": null,
"EstimateUserTag7UID": null,
"EstimateUserTag8UID": null,
"EstimateUserTag9UID": null,
"EstimateUserTag10UID": null,
"BidMasterJobUID": "dec37787-a459-463b-a567-dd80f0f705b3",
"LastUpdateID": 628,
```

```

    "IsActive": true,
    "CreatedById": 1,
    "CreatedDate": "2023-05-08T21:57:36.2033812Z",
    "ModifiedById": 1,
    "ModifiedDate": "2023-05-08T21:57:36.2033812Z",
    "AssignedBusinessOverhead": 0.0,
    "AssignedJobOverhead": 0.0,
    "CurrentMarkup": -10956807.188409923,
    "HiddenSort": "4",
    "ParentUID": null,
    "PositionCode": "4",
    "UnassignedBusinessOverhead": 706995.94259101187,
    "UnassignedJobOverhead": 397686.29242274334
}
    
```

Data Validation

This data can be validated by viewing Pay Items in the Pay Item & Proposal register or opening a Pay Item Record directly from the register

Figure 1: Pay Items in the Pay Item & Proposal Register

Position Code	Pay Item Number	Description	Pay Quantity	Forecast (T/O) Quantity	Unit of Measure	Unit Price (current)	Total Price (current)	Un (lb)
1	200	SITWORK & ROADWAY					\$3,402,700.00	
+ 1.1	641 0100	Mobilization	1.00	1.00	Lump Sum	\$395,600.00	\$395,600.00	
+ 1.2	201 0102	Clearing & Grubbing	10.00	10.00	Acre	\$5,900.00	\$59,000.00	
+ 1.3	202 0183	Unclassified Excavation	50,000.00	50,000.00	Cubic Yard	\$5.50	\$275,000.00	
+ 1.4	303 5912	Aggregate Base	40,000.00	45,000.00	Ton	\$26.50	\$1,060,000.00	
+ 1.5	303 4263	Asphalt Concrete Hot Mix Type A	38,000.00	35,000.00	Ton	\$42.45	\$1,613,100.00	
2	400	WATER & SEWER					\$718,550.00	
+ 2.1	413(B) 0464	36 Inch RCP Culvert Class III	1,000.00	1,024.00	Linear Feet	\$97.45	\$97,450.00	
+ 2.2	800 0220	10 Inch PVC Force Main (SDR21)	12,000.00	12,000.00	Linear Feet	\$29.50	\$354,000.00	
+ 2.3	800 0330	24 Inch PVC Gravity Sewer (SDR35)	3,000.00	3,000.00	Linear Feet	\$64.50	\$193,500.00	
+ 2.4	800 0400	4 Foot Diameter Manhole	16.00	16.00	Each	\$4,600.00	\$73,600.00	
3	500	STRUCTURAL CONCRETE & BRIDGES					\$631,895.00	
+ 3.1	501(A) 1306	Structural Excavation & Backfill	800.00	800.00	Cubic Yard	\$28.00	\$22,400.00	
+ 3.2	506(A) 1322	Steel Reinforcement	30,000.00	30,000.00	Pound	\$1.70	\$51,000.00	
+ 3.3	503(A) 1313	Retaining Wall	850.00	850.00	Cubic Yard	\$545.00	\$463,250.00	
+ 3.4	600 0300	Paint Existing Steel Bridge Structure	1.00	1.00	Lump Sum	\$95,245.00	\$95,245.00	
4	700	INDUSTRIAL & REMEDIATION					\$1,737,020.00	
+ 4.1	700	Process Equipment	1.00	1.00	Each	\$1,690,850.00	\$1,690,850.00	
+ 4.2	1000	Removal of Underground Storage Tanks	2.00	2.00	Each	\$12,685.00	\$25,370.00	
							\$6,569,735.00	

Description	Unit Price (balanced)	Total Price (balanced)	Unit Price (current)	Total Price (current)
Price	\$5,891.65	\$58,916.50	\$5,900.00	\$59,000.00
Distribution	\$1,973.15	\$19,731.53	\$1,981.50	\$19,815.03
Markup	\$696.49	\$6,964.89	\$704.84	\$7,048.36
Profit (Markup records)	\$696.49	\$6,964.89	\$704.84	\$7,048.36
Unassigned Cost	\$1,276.67	\$12,766.68	\$1,276.67	\$12,766.68
Business Overhead	\$314.92	\$3,149.23	\$314.92	\$3,149.23
Job Overhead	\$961.00	\$9,609.98		
Direct Cost	\$0.75	\$7.46		
Assigned	\$3,918.50	\$39,184.97	\$3,918.50	\$39,184.97
Cost	\$3,918.50	\$39,184.97	\$3,918.50	\$39,184.97
Business Overhead	\$0.00	\$0.00		
Job Overhead	\$0.00	\$0.00		
Direct Cost	\$3,918.50	\$39,184.97		

	Current	Target	Forecast	Variance	
Price:	\$6,569,735.00	\$6,569,736.28	\$6,577,223.80	\$1.28	ADD
Markup:	\$638,195.04	\$638,196.32	\$698,417.31	\$60,220.99	CUT
Margin%:	9.71	9.71	10.62	\$65,894.78	CUT

Figure 2: Pay Item record



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

File Setup Estimate Quote Price Execution System

Job Properties
Initialize

Foundation Setup Data

Pay Item & Proposal

Bid Wizard

Resources
Resources

Labor
Equipment
Materials

Resource Assemblies

Cost Item Assemblies
Standard Tables

Reports

Pay Item & Proposal Register
Pay Item Record

Pay Item Number: * Line Number:

Description: Alternate:

Suspend:

Quantity

Lock Quantity: Pay Quantity: Forecast (T/O) Qty: Unit of Measure: Qty Variance: Qty Variance %: Qty Variance Group:

Price

Lock Price: Unit Price Precision: Unit Price: Total Price: Currency: Payment Method: % Margin:

Overview Earnings Rules Tags / User Defined Fields

Alarm Limits

	Minimum	Maximum
Percentage of Job:	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
Unit Price:	<input type="text" value="\$0.00"/>	<input type="text" value="\$0.00"/>

Assignments

Account:

Proposal Layout Settings

Insert Subtotal after this Pay Item? Subtotal Description:

Notes

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