



Specialty Plan Items In iPDWeb

Project and Program Delivery Manual Chapter 5 Cost Estimating Originally Issued: 11-07-24 Revised: xx-xx-xx

Specialty Plan Items are categorized as Percentage (PCT-), Percentage Lump Sum (LS), Parametric (PARA-), and Composite (COMP-). These plan items can be used to generate a high-level conceptual estimate early in the development of a project or when the standard plan items and quantities have not been fully defined. <u>Specialty plan items can NOT be entered in Masterworks</u>. <u>Specialty plan items can only be entered in iPDWeb and these items will not be able to be used for final plan turn-in to Contracts</u>.



NOTE: Special care needs to be taken when using specialty plan items to make surer that plan items are not being duplicated in the estimate. This can occur where a plan item is already included in the specialty plan item and then added again as a standard plan item into the estimate.

This chapter contains the following sections:

Percentage Based Plan Items: Labeled as PCT- and are mainly used to identify pricing for elements in the design that have not been fully determined.

Percentage Lump Sum Items: Lump Sum items that are percentage based pricing.

Parametric Plan Items: Labeled as PARA- and can be used to develop early conceptual estimates when only a rough approximation of the project's dimensions are known.

Composite Plan Items: Labeled as COMP- and these plan items will be assigned quantities based on typical design sections. Composite items are built and maintained by each Bureau.

Percentage Based Plan Items

Percentage based plan items begin with "PCT- "and are searchable in the same method as standard plan items. Percentage items are composed of groups of standard plan items based on work type.



NOTE: A division must be selected for percent-based items to calculate correctly

			Add Item(s)		
Select Item(s):	pct		📀		
Item Number	Item Number	UOM	Description		
	PCT-020	% of Project	STRUCTURES (020)	Add	
o records to displ	PCT-020-000	% of Project	STRUCTURE REMOVALS (020-000)	Add	^
	PCT-020-010	% of Project	EARTHWORK (020-010)	Add	
	PCT-020-010-010	% of Project	STRUCTURE BACKFILL (020-010-010)	Add	
	PCT-020-010-020	% of Project	TEMPORARY SHORING (020-010-020)	Add	
	PCT-020-010-030	% of Project	DEWATERING (020-010-030)	Add	
	PCT-020-010-040	% of Project	FOUNDATION IMPROVEMENTS (020-010-040)	Add	
	PCT-020-020	% of Project	BRIDGES (020-020)	Add	~
	PCT-020-020-000	% of Project	SUPERSTRUCTURE (020-020-000)	Add	•
					K Canc

It is important to understand the structure and what plan items are being included in a percentage-based item in order to avoid adding duplicate plan items to an estimate. This can occur when a standard plan item is already being included in the Percentage plan item and then was added as a separate plan item to the estimate. To view the components that make up a percentage-based item, right click on the PCT plan item and choose "Expand Item".

IMN-029-3(252)530E-78 IMN-029-3(76)540E-78	Division Header										
■ IMN-029-3(78)530E-78	* Name:	Bridge Items				Rep	ort				
IMN-029-3(84)540E-78	Description:	PSS: Division 1					^				
IMN-029-3(85)540E-78		1									
IMN-480-1(158)00E-78	Alternate:			Alternate Name:							
IMN-480-1(159)00E-78	Design County:		- 📀	Use Suggestion: 🗹	Update Sugg	ested Price	04/22/2019				
IM-NHS-029-3(190)5303-78	Use Division Total:	Use Project Total	: 🗌	Use Office Total:							
IM-NHS-029-3(191)5303-78	Group by Level One:	Group by Level Two		Current Total: \$0.00	Previous	Total:					
IM-NHS-029-3(192)5403-78	Group by Eever One.		· 🗆	Current Total. 90.00	i i i cvious i	otal.					
■ IM-NHS-029-3(193)5403-78	Item Number	Description				UOM	Quantity		Unit Price		Use
Office Of Bridges & Structures	PCT-020	STRUCTURES (020) 🥓				% of Project		.000		0.00%	1
🗐 😡 Annu2017 Annual Estimate			9	Expand Item							
Annu2018 Annual Estimate				Add Item(s)							
🗈 🕤 Annu2019 Annual Estimate			×	Delete Item(s)							
B01-12/2017-Layout				Copy Item(s)							
📦 1320 78-Pottawattamie				tem Trend Filter							
Bridge Items			e,	tem Trend Lookup							

Clicking on the arrow will expand the percentage item showing the hierarchy of subcategories down to the standard plan items that make up the percentage-based plan item.

				Expand Item	
Iter	m #	UOM	De	scription	Include
PCT	T-020-000	% of Project	ST	RUCTURE REMOVALS (020-000)	
PCT	T-020-010	% of Project	EA	RTHWORK (020-010)	
	ltem #	UOM		Description	Include
Г	PCT-020-010-010	% of Proje	ect	STRUCTURE BACKFILL (020-010-010)	
F	PCT-020-010-020	% of Proje	ct	TEMPORARY SHORING (020-010-020)	
	Item #	UOM		Description	Include
	2501-8400170	LS		TEMP SHEET PILE+SHORING	
	2501-8400171	LS		TEMP SHEET PILE, RETAIN WALL	
	2501-8400172	LS		TEMP SHORING	
	2501-8400179	LS		TEMP SUPRT	
Б	PCT-020-010-030	% of Proje	ect	DEWATERING (020-010-030)	
Б	PCT-020-010-040	% of Proje	ct	FOUNDATION IMPROVEMENTS (020-010-040)	
PCT	T-020-020	% of Project	BR	IDGES (020-020)	
PCT	T-020-030	% of Project	BO	X CULVERT (020-030)	
PCT	T-020-040	% of Project	RE	TAINING WALLS (020-040)	

The expanded screen also allows for the existing percentage item to be sub divided into more detailed categories and further down to the individual plan items. This can be done by selecting the box in the include column. Once finished click on "OK".

				Expand Item	
lten	n #	UOM	D	escription	Include
PCT	-020-000	% of Project	ST	RUCTURE REMOVALS (020-000)	
PCT	-020-010	% of Project	E/	ARTHWORK (020-010)	
	ltem #	UOM		Description	Include
Г	PCT-020-010-010	% of Pro	ject	STRUCTURE BACKFILL (020-010-010)	V
F	PCT-020-010-020	% of Pro	ject	TEMPORARY SHORING (020-010-020)	
	ltem #	UOM		Description	Include
	2501-8400170	LS		TEMP SHEET PILE+SHORING	V
	2501-8400171	LS		TEMP SHEET PILE, RETAIN WALL	V
	2501-8400172	LS		TEMP SHORING	
	2501-8400179	LS		TEMP SUPRT	
Б	PCT-020-010-030	% of Pro	ject	DEWATERING (020-010-030)	
Б	PCT-020-010-040	% of Pro	ject	FOUNDATION IMPROVEMENTS (020-010-040)	
PCT	-020-020	% of Project	BF	RIDGES (020-020)	
PCT	-020-030	% of Project	BC	DX CULVERT (020-030)	
PCT	-020-040	% of Project	RE	TAINING WALLS (020-040)	



NOTE: Expanding a PCT based item is permanent and cannot be undone. Make sure that the expanding of the item is necessary, and all items are selected before clicking on "OK".

In this example, the original PCT-020-010 Earthwork item has now been expanded and broken out into the selected plan items. Care should be taken when moving forward to make sure that additional PCT items are not added that already include the plan items and other PCT items already in the estimate. Once an estimate is marked as complete the software will run a duplicate plan item analysis to check for any possible duplicate plan items in the estimate.



Percentage-based plan items are calculated based on the value of the total price of the division. Therefore, it is necessary to have other items in the estimate with an assigned price for the percentagebased items to be analyzed correctly. In this example, a bridge project is currently priced at \$1,751,989.63, but needs to have temporary shoring added. No design information is currently available for this item so a percentage-based item will be used at this stage to price shoring. Adding a percentage plan item uses the same process as described in Chapter 5.2.1.3 Add Or Delete Plan Items.

Historically we added a percentage to the total project. It now makes the item a % of the total project by running iterations. Example of the old method: 100×1.2 would be the add for a 20% item. The system now runs iterations to make the item exactly 20% of the project total. The reason for the change is to better align with the history of the item.

* Name	E Design 1031		Report							
Description	κ Γ		0							
Alternate	Alternate Name:									
Design County	: 🚺 🥥 Use Suggestion: 🗹 🕕	pdate Suggested Price	05/14/2019							
Use Division Total	Use Project Total: Use Office Total:									
Group by Level One	Group by Level Two: Current Total: \$1,761,989	.63 Previous T	otal: \$1,790,974.0	8						
Item Number	Description	UOM	Quantity	Unit Price	Use Suggestion	Suggestion	Suggestion Range	Ext. Price	-	Doc
2104-2710020	EXCAVATION, CL 10, CHANNEL /	CY	650.000	\$9.82	V	\$9.82	\$8.35 - \$11.54	\$6,383.00	NA	D
2402-2720000	EXCAVATION, CL 20 X	CY	500.000	\$24.89		\$24.89	\$21.87 - \$28.33	\$12,445.00	NA	D
2403-0100010	STRUCT CONC (BRIDGE) 🗡	CY	600.000	\$542.55	V	\$542.55	\$510.42 - \$576.70	\$325,530.00	NA	
2403-7000210	HIGH PERFORMANCE STRUC CONC 🗡	CY	600.000	\$663.70		\$663.70	\$643.54 - \$684.49	\$398,220.00	NA	
2404-7775005	REINFORC STEEL, EPOXY COATED 🖊	LB	115,000.000	\$1.00		\$1.00	\$0.94 - \$1.06	\$115,000.00	NA	
2404-7775009	REINF STEEL, STAINLESS STEEL 🖉	LB	110,000.000	\$2.63		\$2.63	\$2.46 - \$2.81	\$289,300.00	NA	
2414-6424110	CONC BARRIER RAIL 2	LF	500.000	\$70.16	V	\$70.16	\$63.62 - \$77.38	\$35,080.00	NA	
2501-0201473	PILE, STEEL, HP 14X73 🖉	LF	5,000.000	\$52.67	V	\$52.67	\$47.65 - \$58.23	\$263,350.00	NA	
2507-2638650	BRIDGE WING ARMORING - EROSION STONE 🗡	SY	200.000	\$25.06	V	\$25.06	\$5.52 - \$113.81	\$5,012.00	NA	D
2507-3250005	ENGINEER FABRIC 🗡	SY	500.000	\$3.37	2	\$3.37	\$3.15 - \$3.61	\$1,685.00	NA	
2507-6800061	REVETMENT, CLASS E 💉	TON	6,000.000	\$35.63	2	\$35.63	\$31.93 - \$39.77	\$213,780.00	NA	D
2526-8285000	CONSTRUCTION SURVEY /	LS	1.000	\$11,452.93	2	0.65%	0.40% - 1.20%	\$11,452.93	NA	D
2533-4980005	MOBILIZATION /	LS	1.000	\$84,751.70	R	4.81%	3.50% - 6.50%	\$84,751,70	NA	D

The Temporary Shoring plan item is now shown on the plan item page with the suggested price. For percentage-based items the suggestion and suggestion range will be shown as a percentage and the quantity will be the dollar value of the "Current Total".

Division Header				0	2					
* Name	2. Design 1031		Report							
Description	1.		0							
Alternate	Alternate Name:		-							
Design Numbe		uggested Price 05/1	4/2019							
Group by Level One		Previous Total: \$1,								
Item Number	Description	UOM	Quantity	Unit Price	Use Suggestion	Suggestion	Suggestion Range	Ext. Price		Doc
2104-2710020	EXCAVATION, CL 10, CHANNEL	cv	650.000	\$9.82	2	\$9.82	\$8.35 - \$11.54	\$6,383.00	NA	D
2402-2720000	EXCAVATION, CL 20 X	CY	500.000	\$24.89	8	\$24.89	\$21.87 - \$28.33	\$12,445.00	NA	
2403-0100010	STRUCT CONC (BRIDGE) 2	CY	600.000	\$542.55	2	\$542.55	\$510.42 - \$576.70	\$325,530.00	NA	D
2403-7000210	HIGH PERFORMANCE STRUC CONC -	CY	600.000	\$663.70	2	\$663.70	\$643.54 - \$684.49	\$398,220.00	NA	
2404-7775005	REINFORC STEEL, EPOXY COATED 🖉	LB	115,000.000	\$1.00	2	\$1.00	\$0.94 - \$1.06	\$115,000.00	NA	D
2404-7775009	REINF STEEL, STAINLESS STEEL	LB	110,000.000	\$2.63	2	\$2.63	\$2.46 - \$2.81	\$289,300.00	NA	
2414-6424110	CONC BARRIER RAIL	LF	500.000	\$70.16		\$70.16	\$63.62 - \$77.38	\$35,080.00	NA	0
2501-0201473	PILE, STEEL, HP 14X73 /	UF	5,000.000	\$52.67	2	\$52.67	\$47.65 - \$58.23	\$263,350.00	NA	
2507-2638650	BRIDGE WING ARMORING - EROSION STONE 🗡	SY	200.000	\$25.06	2	\$25.06	\$5.52 - \$113.81	\$5,012.00	NA	0
2507-3250005	ENGINEER FABRIC 🖉	SY	500.000	\$3.37	2	\$3.37	\$3.15 - \$3.61	\$1,685.00	NA	
2507-6800061	REVETMENT, CLASS E /	TON	6,000.000	\$35.63		\$35.63	\$31.93 - \$39.77	\$213,780.00	NA	0
2526-8285000	CONSTRUCTION SURVEY /	LS	1.000	\$11.641.33		0.65%	0.40% - 1.20%	\$11,641.33	NA	D
2533-4980005	MOBILIZATION /	LS	1.000	\$86,145.85	Z	4.81%	3.50% - 6.50%	\$86,145.85	NA	D
PCT-020-010-020	TEMPORARY SHORING (020-010-020)	% of Project	1,790,974 090	1.53%		1.53%	0.20% - 27.80%	\$27,401.90	NA	D



NOTE: The Ext Price of the PCT plan item is also calculated into the Current Total.

Analyzing and modifying the price for percentage-based plan items uses the same method described in Chapter <u>5.2.2.4.5 Item Trend Filters In iPDWeb</u>. The only difference is the regression analysis is based on the total project price and the percentage of the project that is associated with the percentage plan item.



Percentage Lump Sum Items

For most Lump Sum Items pricing cannot have a suggested price calculated by the software due to varying quantity and materials that are usually found in such plan items. However, the 4 Lump Sum Items shown above differ in the fact that there is no variance in the quantity or the materials. These plan items are known as Percentage Lump Sum Items.

Item Number	Description	UOM
2526-8285000	CONSTRUCTION SURVEY 🖉	LS
2528-8445110	TRAFFIC CONTROL 🖊	LS
2533-4980005	MOBILIZATION 🥖	LS
2590-0000020	PROJECT MANAGEMENT 🖍	LS

The Percentage Lump Sum Items are calculated using a method similar to the Percentage Based Plan Items described earlier in this chapter. When generating a suggested percentage price, the software analyzes other projects that contain the Percentage Lump Sum Item and runs a regression analysis based on the Project Total and the % of the Project for the Lump Sum Item.

Item Number	Description	UOM	Quantity	Unit Price	Use Suggestion	Suggestion	Suggestion Range
2526-8285000	CONSTRUCTION SURVEY 🖊	LS	1.000	\$0.00	\checkmark	0.00%	0.00% - 0.00%
2528-8445110	TRAFFIC CONTROL 🖍	LS	1.000	\$0.00	\checkmark	0.00%	0.00% - 0.00%
2533-4980005	MOBILIZATION /	LS	1.000	\$0.00	\checkmark	0.00%	0.00% - 0.00%
2590-0000020	PROJECT MANAGEMENT 🖉	LS	1.000	\$0.00	\checkmark	0.00%	0.00% - 0.00%
2590-0000020	PROJECT MANAGEMENT 🖋	LS	1.000	\$0.00	\checkmark	0.00%	0.00% - 0.00%

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NOTE: Since the suggested percentage is based on total project value it is necessary to have other plan items priced out in the estimate for the Percentage Based Lump Sum Items to calculate correctly.

Once the suggested price is calculated the percentage used can be modified by right clicking on the plan item and selecting "Modify Lumpsum Percent". It is a good idea to document the reason for manual changes in the notes for that item.

		Suggested Price	06/19/2019							
Group by Level One.		Previous Tota								
Item Number	Description	UOM	Quantity	Unit Price	Use Suggestion	Suggestion	Suggestion Range	Est. Price	-	Dec
2402-2720000	EXCAVATION, CL 20 -	CY	3,000.000	\$21.81	V	\$21.81	\$17.23 - \$27.60	\$65,424.30	NA	D
2403-0100010	STRUCT CONC (BRIDGE)	CY	2,400.000	\$467.20	R.	\$467.20	\$435.83 - \$500.83	\$1,121,288.88	NA	D
2403-7000210	HIGH PERFORMANCE STRUC CONC 🧭	CY	1,700.000	\$628.84	R	\$628.84	\$603.48 - \$655.28	\$1,069,035.82	NA	D
2404-7775000	REINFORC STEEL /	LB	510,000.000	\$0.87	×.	\$0.87	\$0.80 - \$0.94	\$443,445.00	NA	D
2404-7775005	REINFORC STEEL, EPOXY COATED -	LB	87,000.000	\$0.91	2	\$0.91	\$0.88 - \$0.93	\$78,830.70	NA	D
2526-8285000	CONSTRUCTION SURVEY 2	LS	1.000	\$11,110.86	Ø	0.36%	0.10% - 1.60%	\$11,110.86	NA	D
2528-8445110	TRAFFIC CONTROL /	LS	1.000	\$6,481.34		0.21%	0.00% - 1.00%	\$6,481.34	NA	D
2533-4980005	MOBILIZATION Z	LS	1.000	\$208,328.70	2	6.75%	3.10% - 14.70%	\$208,328.70	NA	D
2590-0000020	PROJECT MANAGEMENT /	LS	1.000	\$82,405.58	Z	Modify	y Lumpsum Percent	\$82,405.58	NA	D
						Add Is Delete Copy I Item T Rem T	ltem(s) tem(s)			

This will open a pop-up window and will allow for a new percentage to be input by the estimator.

Modify Lumpsum Percent
Enter Percent(%): OK Cancel

Parametric Plan Items

Adding a parametric plan item uses the same process described in Chapter 5.X.X.X: Adding Plan Items. This example is for a 6,000 square foot PPCB bridge.

Division Header				1	~					
* Nam	e: [Design 1031		Report)							
Descriptio	n. Parametric Example		0							
Alternal	e: 🗌 Alternate Name:		-							
Design Numb	er. 🔽 🥥 Use Suggestion. 🗹 🛛 💭 🖓	ggested Price 05/1	6/2019							
Group by Level On	e: Group by Level Two: Current Total: \$1,606,648.00	Previous Total: \$0.0	0							
item Number	Description	UOM	Quantity	Unit Price	Use Suggestion	Suggestion	Suggestion Range	Ext. Price	5 0	Docs
PARA-020-020	Bridges 🖉	Parametric (Square Feet of Deck)	6,600,000	\$228.28	Ø	\$228.28	\$97.70 - \$533.35	\$1,506,648,00	NA	D

Parametric plan items begin with "PARA-"and can be used to develop early conceptual estimates when only a rough approximation of the projects dimensions are known such as square yards of paving or square footage of bridge deck. They are searchable similar to standard plan items.

Parametric plan items are composed of a hierarchy of standard plan items that have been grouped together similar to the percent-based plan items. As with the Percentage Based Plan Items, care should be taken when adding Parametric based plan items to avoid duplicating any existing plan items in the estimate.

Select Item(s): [PARA- Item Number PARA-010	er UOM	Add Item(s)	
Item Number PARA-010		>	
Item Number PARA-010	Nr LIOM		
PARA-010	a UUW	Description	
	Parametric	Roadway	Add
lo records to displ PARA-010(SY) Parametric	Roadway parametric by SY	Add
PARA-010-	000 Parametric	ROADWAY REMOVALS	Add
PARA-010-	010 Parametric	Earthwork	Add
PARA-010-	020 Parametric	Surfacing	Add
PARA-010-	040 Parametric	Barrier	Add
PARA-010-	050 Parametric	Drainage	Add
PARA-010-	060 Parametric	Fencing	Add 🧹
PARA-010-	070 Parametric	Noise Wall	Add

When working with Parametric plan items it is important to select filters that are similar to the material of construction. In this scenario we only want the price for PPCB and will need to adjust the assigned work types. It will be necessary to clear all existing work types. To do this, select all the items shown in the Assigned Work Type box and then click on "Remove" to clear out all existing filters. Then click on 010-PPCB and "Add" to have those filters applied to the Assigned Work Type box. Click on "Lookup" to go to the Item Trend Filter Screen.

ameters
* Assigned Work Type
2013 - BRIDGE NEW - PPCB 2023 - BRIDGE REPLACEMENT - PPCB 2053 - BRIDGE AND APPROACHES - PPCB

The Item Trend Lookup screen will display the analysis of other PPCB bridges based on the size and unit cost. Additional analysis of the price and modification of the filters can be done as described in Chapter <u>5.2.2.4.5 Item Trend Filters In iPDWeb</u>.



Additional costs may need to be added to the base parametric cost to have a better estimate of the total bridge costs. Some items such as bridge removal, revetment, and mobilization can be accounted for by adding the appropriate plan item.

Division Header	: Design 1031			eport)							
	Parametric Example			0							
Alternate: Design Number Group by Level One:	c 🔽 🔘	Alternate Name: Use Suggestion: Current Total: \$997,648,43	Nete Suggested Price 05/1 Previous Total: \$942,	6/2019							
	Description		UCM	Quantity	Unit Price	Use Suggestion	Suggestion	Suggestion Range	Ext. Price	-	D
tem Number			Lorenza de la composición de	Land	Unit Price \$0.00	Use Suggestion	Suggestion \$0.00	Suggestion Range	Ext. Price \$0.00	NA	-
tem Number 401-6745625	Description		UOM .	Quantity				Suggestion Range		N A	1
tem Number 2401-6745625 2507-6800061	Description RMVL OF EXISTING BRIDGE 🛩		UOM LS	Quantity	\$0.00	Z	\$0.00	Suggestion Range 0.40% - 1.60%	\$0.00		-
tem Number 2401-6745625 1507-6800061 2526-8285000	Description RMVL OF EXISTING BRIDGE / REVETMENT, CLASS E /		LS TON	Ousnitity 1.000 000	\$0.00 \$0.00	N N	\$0.00 \$0.00		\$0.00 \$0.00	NA	 []

Composite Plan Items

Composite plan items are a set of plan items that have been grouped together for estimating purposes. These plan items will form a larger component of a project. These plan items will be assigned quantities based on typical design sections. They begin with "COMP- "and are searchable like standard plan items. Composite items are built and maintained by each Bureau.

			Add Item(s)		
Select Item(s):	COMP-		🔮		
ltem Number	Item Number	UOM	Description		
tem Number	COMP-1112	EA	Composite Major Right Turn Lane (72,787.72)	Add	
records to displ	COMP-1113	EA	Composite Minor Right Turn Lane (35,255.94)	Add	\sim
	COMP-1114	EA	Composite Maximum Left Turn Lane (141,110.51)	Add	
	COMP-1115	EA	Composite Minimum Left Turn Lane (95,347.99)	Add	
	COMP-1600	EA	Composite 50' Median Dual Crossover (224,419.06)	Add	
	COMP-1601	EA	Composite 64' Median Dual Crossover (269,382.89)	Add	
	COMP-1602	EA	Composite 68.24' Median Dual Crossover (297,297.11)	Add	
	COMP-1603	EA	Composite 50' Median Interchange Crossover (178,9021	5) <u>Add</u>	
	COMP-1605	EA	Composite 64' Median Interchange Crossover (220,665.35) Add	~
	COMP-1605	EA	Composite 64' Median Interchange Crossover (220,665.35	i) <u>Add</u>	
					ок)

The individual plan items that make up a composite item can be viewed by right clicking on the composite item and clicking "Composite Items".

Division Header						5					
* Name	Design 1031		Report								
Description	Composite Example			0							
Alternate Design Number Group by Level One	Use :	aate Name Buggestion: I Update Suge Irrent Total: \$0.00 Previous		16/2019							
nem Number	Description		UOM	Quantity	Unit Price	Use Suggestion	Suggestion	Suggestion Range	Ext. Price		Docs
COMP-1112	Composite Major Right Turn Lane (72,787.72)	Composite Items	EA	.000	\$0.00	2	\$0.00		\$0.	00	D

Composite items have pre-assigned typical quantities that are based on experience with the type of work, however these quantities can be adjusted in the Composite Items screen. The software will analyze and assign a price for each of the plan items.

EXCAVATION, CL 10, RDWY+BORROW EXCAVATION, CL 10, WASTE	CY	1,222.000	1,222.000
EXCAVATION, CL 10, WASTE			
	CY	668.000	668.000
GRANULAR SUBBASE	SY	1,136.000	1,136.000
GRANULAR SHLD, TYPE A	TON	159.000	159.000
STD/S-F PCC PAV'T, CL C CL 3, 9"	SY	913.000	913.000
SEED+FERTILIZE (URBAN)	ACRE	.750	.750
	STD/S-F PCC PAV'T, CL C CL 3, 9"	STD/S-F PCC PAV'T, CL C CL 3, 9" SY	GRANULAR SHLD, TYPE A TON 159.000 STD/S-F PCC PAV'T, CL C CL 3, 9" SY 913.000

This price is then combined into an overall price for the composite item. Composite items can also be expanded into the individual plan items by right clicking on the composite item and then selecting "Expand Item".

Division Header											
Name	Design 1031		Repl	ort							
Description	Composite Example			0							
Alternate Design Number Group by Level One	Use Si	ate Name: Update Suggestion: I Update Suggestion: P Update Suggester Previ	ested Price 05/16 ious Total: \$0.00	2019							
ttem Number	Description		NON	Quentity	Unit Price	Use Suggestion	Suggestion	Suggestion Range	Edt. Price	~	Docs
COMP-1112	Composite Major Right Turn Lane (72,787.72) 🗡	Ci. Expand Item	-	1.000	\$87,392.97	×	\$87,392.97	\$79,508.66 - \$101,468.60	\$87,392.97	NA	۵
		Composite Items Add Item(s) Delete Item(s) Copy Item(s) Item Trend Filter									

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NOTE: It is a good idea to review the attached document on the far right of the item information. That document should explain the assumptions and dimensions used for the component item. If a document is not attached to the item, please contact Design Methods Section.

These plan items can then be adjusted and analyzed separately.

* Nar	me. Design 1031	R	eport							
Descripti	On. Composite Example		0							
Altern Design Numt Group by Level O	ver. 🔽 🥝 Use Suggestion: 🗹 🛛 🖓 Update Suggest	us Total: \$0.00	16/2019							
item Number	Description	UOM	Quantity	Unit Price	Use Suggestion	Suggestion	Suggestion Range	Ext. Price	inte:	Dos
mane setter c	Description EXCAVATION, CL 10, RDWY+BORROW (Composite Major Right Turn Lane (72,787.72))	uom CY	Quantity 1,222,000	Unit Price	Use Suggestion	Suggestion \$10.30	Suggestion Range \$9.13 - \$11.61	Ext. Price \$12,585.38	-	1996
2102-2710070		102302	The Brooks	010000000	- And the set of the distance		\$9.13 - \$11.61	10400000000000000000000000000000000000	-	D
2102-2710070 2102-2710090	EXCAVATION, CL 10, RDWY+BORROW (Composite Major Right Turn Lane (72,787.72))	CY	1,222.000	\$10.30	Ø	\$10.30	\$9.13 - \$11.61 \$7.63 - \$14.17	\$12,585.38	NA	
2102-2710070 2102-2710090 2111-8174100	EXCAVATION, CL 10, RDWY+BORROW (Composite Major Right Turn Lane (72,787.72)) EXCAVATION, CL 10, WASTE (Composite Major Right Turn Lane (72,787.72))	er er	1,222,000	\$10.30 \$10.40	N N	\$10.30 \$10.40	\$9.13 - \$11.61 \$7.63 - \$14.17 \$6.49 - \$10.74	\$12,585,38 \$6,948,54	NA NA	
Hern Number 2102-2710070 2102-2710090 2111-8174100 2121-7425010 2301-1033090	EXCAVATION, CL 10, RDWY+BORROW (Composite Major Right Turn Lane (72,787,72)) EXCAVATION, CL 10, WASTE (Composite Major Right Turn Lane (72,787,72)) GRANULAR SUBBASE (Composite Major Right Turn Lane (72,787,72))	CY CY SY	1,222,000 668.000 1,136.000	\$10.30 \$10.40 \$8.35	N N N	\$10.30 \$10.40 \$8.35	\$9.13 - \$11.61 \$7.63 - \$14.17 \$6.49 - \$10.74	\$12,585.38 \$6,948.54 \$9,482.19	N A N A	

Chronology of Changes to Manual Section:

5.1.2 Specialty Plan Items in iPDWeb 11/07/2024 NEW