

OVERVIEW – COST BREAKDOWN STRUCTURE (CBS) REGISTER

The screenshot shows the software interface for the Cost Breakdown Structure (CBS) Register. It features a top menu bar with options like File, Setup, Estimate, Quote, Price, System, Integrations, Actions, and More Actions. Below the menu is a toolbar with various icons for actions such as Print, New, Copy, Split, Indent, Link Field, Cost Item, Assembly, Resource, etc. A 'CBS Tree Filter Mode (drop-down)' panel is visible on the right, containing options like Expand/Collapse, Filter, Clear Filter, and Expand CBS Tree. The main area is divided into two registers: a 'Left CBS register' showing a hierarchical tree of cost items and a 'Right CBS register' showing a detailed table of cost items with columns for Description, Optional Code, Forecast (T/O) Quantity, Unit of Measure, Unit Cost, Total Cost (Forecast), Subject Cost, and Subject Rate. The total cost for the entire structure is \$5,835,106.09.

CBS Position Code	Description	Optional Code	Forecast (T/O) Quantity	Unit of Measure	Unit Cost	Total Cost (Forecast)	Subject Cost	Subject Rate
+ 14.1.4			1.00	Each	\$0.00	\$0.00		
7	10 Inch PVC Force Main (SDR21)	800 0220	12,000.00	Linear Feet	\$23.62	\$283,393.37		
8	24 Inch PVC Gravity Sewer (SDR35)	800 0330	3,000.00	Linear Feet	\$49.67	\$149,011.37		
6	36 Inch RCP Culvert Class III	413(B) 0464	1,024.00	Linear Feet	\$67.54	\$69,159.49		
9	4 Foot Diameter Manhole	800 0400	16.00	Each	\$3,594.03	\$57,504.47		
4	Aggregate Base	303 5912	45,000.00	Ton	\$15.40	\$692,928.99		
+ 13.4	Apply Primer	13.4	25,000.00	Square Feet	\$0.99	\$24,658.61		
5	Asphalt Concrete Hot Mix Type A	303 4263	35,000.00	Ton	\$42.62	\$1,491,580.59		
+ 10.2	Backfill & Furnish Materials	10.2	800.00	Cubic Yard	\$19.47	\$15,575.58		
103						\$5,835,106.09		

1 ACTIONS MENU

Shortcut icons allow you to edit cost items and import items from other sources such as Excel.

2a CBS TREE FILTER MODE (DROP-DOWN)

Shows the CBS hierarchy and can quickly filter cost items. Choose between a filter mode or a new navigation mode.

3 LEFT CBS REGISTER

This side contains all the estimate activities (cost items) that you create or import, organized into a parent-child hierarchy.

2b CBS TREE FILTER OR NAVIGATION MODE

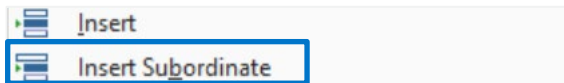
Gives you visibility to your CBS structure and the option to navigate and filter the CBS estimate.

4 RIGHT CBS REGISTER

This side of the register contains numerous columns for cost detail, production values, and user-defined tags and fields.

CREATE A SUBORDINATE COST ITEM

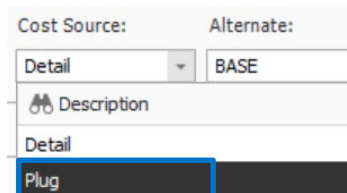
1. Select **Cost Breakdown Structure (CBS)**.
2. Right click on a cost item and select **Insert Subordinate**.



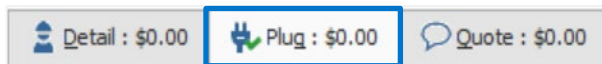
3. For the subordinate cost item, enter a **Description**.
4. Add a quantity and select your **Unit of Measure**.

DEFINE A PLUGGED COST

1. Select **Cost Breakdown Structure (CBS)**.
2. Right click on the **row header** for a cost item and select **Open**.
3. In the **Cost Source** drop-down field select **Plug**.

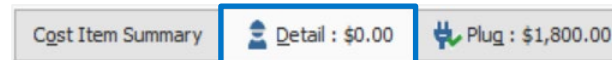



4. In the left section of the Cost Item, select the **Plug** tab.
5. Click in a unit or total cost field and enter a numeric value.



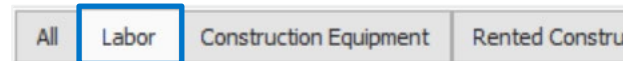
ADD COST DETAIL

1. Select **Cost Breakdown Structure (CBS)**.
2. Right click on the **row header** for a terminal cost item and select **Open**.
3. Select the **Detail** tab.
4. In the empty row, and with your cursor in the **Code** field, click the **Resource Selection** icon.



Row Number	Code	Resource Assembly	Description
			

5. On the **Labor** tab, select a **labor resource**.
6. Select **OK**.
7. On the **Construction Equipment** tab, select an **equipment resource**.

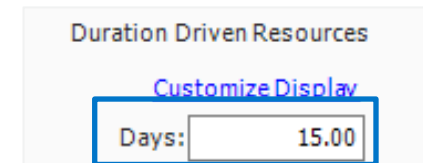


8. Click **OK**.

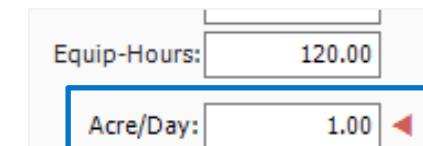
9. Because these are duration-based resources, you need to enter a Production value. From the lower-right section of the form, select the **Production** tab.



10. Enter a **numeric value** in the Days field, then press **Tab**.



11. Next, adjust the production by entering a **numeric value** in the Acre/Day field (or field appropriate to your equipment).



12. Click **OK** to close the record.