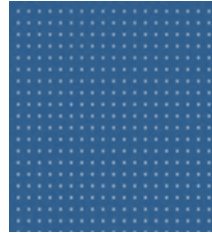




# Success Estimator<sup>®</sup>

from the cost management professionals at USCOST

## Reporting Guide



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This manual provides materials to assist generating the U.S. Cost Success Estimator Reports. Samples and step by step instructions on printing reports are provided.

## **Product Document**

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# Contents

<b>Chapter 1 Introduction</b> .....	<b>1</b>
Objectives .....	1
About this Guide .....	1
Setup .....	1
Printing Reports .....	2
Navigation .....	3
<b>Chapter 2 General</b> .....	<b>5</b>
Report List.....	5
General Tab Reporting.....	5
Detail Report Template 1 .....	6
Level Report 1 (Crystal Reporting Sample) .....	7
Level Report 2 (Crystal Reporting Sample) .....	8
<b>Chapter 3 Detail Items</b> .....	<b>10</b>
Report List.....	10
Detail Items Reporting.....	10
Detail Report 1A.....	11
Detail Report 1B.....	12
Detail Report 1B - Distributions .....	13
Detail Report 2A.....	14
Detail Report 2A - Distributions .....	15
Detail Report 3A.....	16
Detail Report 4A.....	17
Detail Report Contractor Grouped .....	18
Detail Report Contractor Grouped Filtered .....	19
Detail Report CSI Grouped.....	20
<b>Chapter 4 Levels</b> .....	<b>23</b>
Report List.....	23
Levels Tab Reporting .....	23
Level Detail Report 1 .....	24
Level Detail Report 1 - Dist .....	25
Level Markup Assignment Report.....	26
Level Report 1 .....	27
Level Report 2 .....	28

<b>Chapter 5 Other.....</b>	<b>31</b>
Reports List .....	31
Other Tab Reporting.....	31
Bill of Material Report .....	32
CSI Level 1 Summary .....	33
Facility X CSI Summary.....	34
Productivity Factor Assignments .....	35
Zero Cost Detail Items.....	36
<b>Chapter 6 Parametrics.....</b>	<b>39</b>
Reports List .....	39
Parametrics Tab Reporting.....	39
Formula Assignments to Level and Details.....	40
Variables Details .....	41
<b>Chapter 7 Resources .....</b>	<b>43</b>
Report List.....	43
Resources Tab Reporting .....	43
1st Layer Markup Summary Report.....	44
2nd Layer Markup Summary Report.....	45
Contractor Markup Make-up Report .....	46
Contractor Report A .....	47
Contractor Summary .....	48
Crew Make-up Report.....	49
Crew Resource Report 1 .....	50
Equipment Make-up Report.....	51
Equipment Resource Report 1 .....	52
Labor Make-up Report .....	53
Labor Resource Report 1 .....	54
Material Resource Report 1 .....	55
Prime Contractor Summary Report .....	56
<b>Appendix .....</b>	<b>59</b>
About U.S. Cost, Inc. ....	59
The Success Enterprise Tool.....	61
The Company Web Site .....	61
Technical Support .....	61
Table A – Report Data Matrix .....	62
Table B – Cost Structure .....	63

# Chapter 1 Introduction

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## Objectives

This guide the end of this training program, you will be able to:

- Provide basic guide for selecting the correct data to report.
  - Determine the report best suited for your needs.
- 

## About this Guide

This guide is designed to provide new users with a sampling of each report available in Success Estimator “out of the box” version. It does not make any provisions for clients who have customized reporting.

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## Setup

When Success Estimator is installed a file called “Storage Shed Sample Estimate” is included as an example. This file has been used for the screen shots provided. In instances where the sample file did not provide information needed to create a report additional data was included to complete the demonstration.

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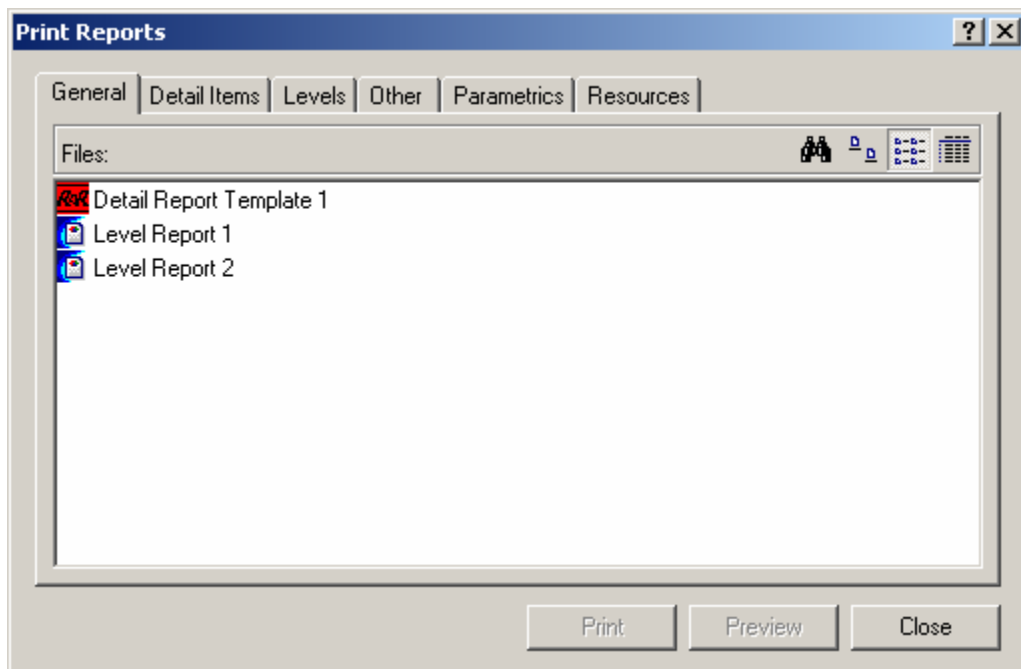
## Printing Reports

The Success Estimator tree structure not only is a method of organizing cost, but also a control over reporting. There are some basic rules to remember when running reports:

- Prior to initiating the Print Reports dialog box, make sure you have selected the desired level. If you want to report on the entire estimate select the root level, also called the project level.
- Expanded sub-folders containing cost you wish to see printed. Any collapsed levels containing Detail Item Assignments (DIAs) will NOT show up on reports.
- Only levels that contain DIAs generating cost will appear on reports. If your estimate has no cost, a report will NOT run.

To print a report, complete the following steps:

1. Select the tree level according to the report information you want to see.
2. Check that any child levels are expanded if you want the data to show up on a report.
3. In the Menu Bar, select the **File | Print → Reports**. The system displays the **Print Reports** dialog box.



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*Note: If the totals are not calculated, the system displays the **Needs Totaling** dialog box.*

---

4. Chose the tab where the report is located.

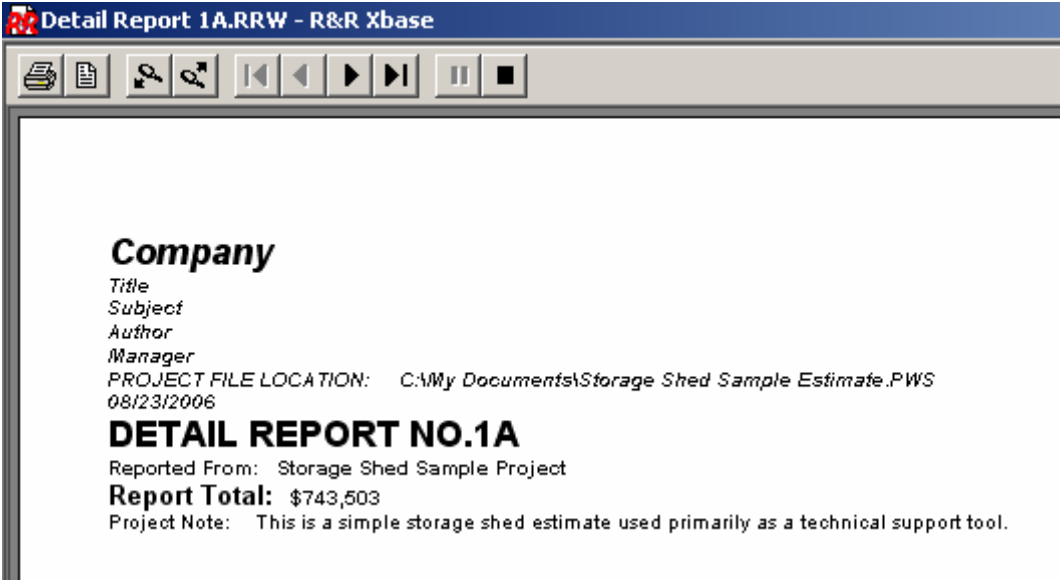
- 5. Select a report.
- 6. Click the **Preview** button to view the report prior to printing.
- 7. Click the **Print** button to print.

---


## Navigation

If previewing, some reports will include a cover page and the data you are looking for is on another page. In the upper left are navigation buttons that will allow you to page forward and back through the report with additional buttons to go to the first or last pages.

You can also zoom in or out of any area of a report preview by clicking on it.



## Canceling Print Jobs

To cancel a print job, click the “do not” symbol  in the Status Bar while the report is in progress.





## Chapter 2 General

---

### Report List

Reports available in the General tab:

- Detail Report Template 1
- Level Report 1 (Crystal Reporting)
- Level Report 2 (Crystal Reporting)

---

### General Tab Reporting

While the information in these reports can be useful, their primary purpose is to serve as a starting point for users to customize their own reporting. Reporting in Success Estimator uses the program R&R Report Writer, a Liveware Publishing program. However, Success Estimator also works well with Crystal Reporting as demonstrated by Level Reports 1 and 2.

This guide will describe and demonstrate the reports included with Success Estimator, but reports can be customized by the user or U.S. COST can do it for you.

## Detail Report Template 1

This report is almost identical to Detail Report 1A in the Detail Item tab. The only difference is Productivity is not included. This report is provided to be a template for user customization.

Title		DETAIL REPORT NO.1						
Subject		Reported From: Storage Shed Sample Project						
Author		Report Total: \$738,079						
Manager								
LEVEL	QTY	Hrs.	Crew	LABOR	MATERIAL	EQUIPMENT	OTHERS	TOTAL
				<u>Estimate Tree Structure Rollups</u>				
				02 Perimeter Road Paving				\$538,757
<b>Earthworks</b>								
022101002	Subcontractor: EW SUBGRADE - FINE GRADING +/- .1FT	U.C. per CSY --> 1,312.00	Tree Depth= 2 1 COFGA	14.63 \$19,195		12.757 \$16,738		27,388 \$36,933
022211102	Subcontractor: EW TRENCH EXCAVATION BY GRADALL, 90 CY/HR MEDIUM SOIL	U.C. per CY --> 2,350.00	0.086 203 CODGD	1,636 \$3,845		2,121 \$4,995		3,758 \$8,830
022252122	Subcontractor: EW EXCAVATE & LOAD BY 1-1/2 CY EXCAV, 60 CY/HR MEDIUM MATERIAL	U.C. per CY --> 692.00	0.022 15 CODES	0,418 \$289		0,453 \$313		0,87 \$602
022253106	Subcontractor: EW HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	U.C. per CY --> 3,803.00	0.041 165 COEID	0,33 \$1,263		0,882 \$3,363		1,211 \$4,606
022253106	Subcontractor: EW HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	U.C. per CY --> 5,644.00	0.041 230 COEID	0,33 \$1,860		0,882 \$4,976		1,211 \$6,836
028201002	Subcontractor: EW REMOVE 6IN DEEP TOPSOIL, STOCKPILE ON-SITE	U.C. per CY --> 17,788.00	0.025 446 CODTG	0,486 \$8,640		0,968 \$17,220		1,454 \$25,860
Subtotal				\$35,083	\$0	\$47,585	\$0	\$82,668
Subcontractor Markups				\$8,569	\$0	\$8,910	\$0	\$16,479
Prime Contractor GC Markups				\$8,250	\$0	\$11,189	\$0	\$19,439
Level Markups				\$10,346	\$0	\$14,053	\$0	\$24,399
TOTAL Earthworks			2,362	\$60,248	\$0	\$81,717	\$0	\$141,965
3,042.00 CY			Level Unit Cost-->	\$19.81		\$26.86		\$46.67
				<u>Estimate Tree Structure Rollups</u>				
				02 Perimeter Road Paving				\$538,757
<b>Pavement</b>								
022212203	HAND EXCAVATE TRENCH TO 2 FT DEEP, MEDIUM CLAY	U.C. per CY --> 2.50	Tree Depth= 2 1,333 ULABA	12,488 \$31		0,207 \$1		12,694 \$32
022215001	BACKFILL TRENCH BY HAND	U.C. per CY --> 1.50	0,789 1 ULABA	7,204 \$11		0,117 \$1		7,321 \$11

# Level Report 1 (Crystal Reporting Sample)

This is a static sample report that is unrelated to the estimate (It is always the same report of Storage Shed Sample). It serves only as an example of how Success Estimator can work with Crystal Reports. Both Crystal reports 1 and 2 are versions of reports found in the Levels tab.

## LEVEL SAMPLE REPORT 1



SOFTWARE VERSION: 6.05.00.00	ESTIMATOR: Company
DATE OF ESTIMATE: 18July2006	A/E NAME: Author
PRINTING DATE: 18July2006	PROJECT NAME: Title

LEVEL DESCRIPTION	HOURS	LABOR	MATERIAL	EQUIPMENT	OTHERS	TOTAL
<b>STORAGE SHED SAMPLE PROJECT</b>	<b>7,926.85</b>	<b>182,513.69</b>	<b>470,746.96</b>	<b>144,817.97</b>	<b>0.00</b>	<b>798,078.62</b>
LEVEL OVERHEAD	0.00	19,741.00	17,522.00	12,250.00	0.00	49,513.00
PERIMETER ROAD PAVING	4,995.30	111,658.76	305,941.94	121,156.33	0.00	538,756.03
EARTHWORKS	2,361.92	60,247.82	0.00	81,717.31	0.00	141,965.13
PAVEMENT	1,134.77	23,616.96	161,927.76	23,211.46	0.00	208,756.19
STORM DRAINAGE / EROSION	734.40	10,233.67	121,687.23	4,956.01	0.00	136,876.91
GATES	16.00	229.78	0.00	154.49	0.00	384.27
LANDSCAPING	748.21	17,330.52	22,326.95	11,117.06	0.00	50,774.53
RANGE ROAD	933.51	15,795.44	33,679.52	10,508.23	0.00	59,983.19
WIDEN RANGE ROAD	933.51	15,795.44	33,679.52	10,508.23	0.00	59,983.19
VEHICLE STORAGE SHED	1,734.84	37,772.76	114,452.25	8,979.96	0.00	161,204.97
STRUCTURAL	548.75	11,151.05	45,547.33	1,337.07	0.00	58,035.46
ARCHITECTURAL	359.92	8,286.63	47,889.19	1,239.72	0.00	57,415.54
ELECTRICAL	92.10	7,369.31	8,991.66	36.18	0.00	16,397.15
DEMOLITION	494.72	7,022.02	0.00	5,652.03	0.00	12,674.05
FENCING	31.14	425.10	370.43	165.96	0.00	961.48
PAVEMENT	208.22	3,518.66	11,653.64	548.99	0.00	15,721.28
METAL CEILING	263.20	6,627.71	31,365.46	140.26	0.00	38,133.43
LINEAR METAL CEILING	263.20	6,627.71	31,365.46	140.26	0.00	38,133.43

## Level Report 2 (Crystal Reporting Sample)

This is another static sample report that is unrelated to the estimate. It serves only as an example of how Success Estimator can work with Crystal Reports. Both Crystal reports 1 and 2 are versions of reports found in the Levels tab.

### LEVEL SAMPLE REPORT 2

Powered By  
**SuccessEstimator**

SOFTWARE VERSION: 6.05.00.00  
DATE OF ESTIMATE: 18July2006  
PRINTING DATE: 18July2006

ESTIMATOR: Company  
A/E NAME: Author  
PROJECT NAME: Title

LEVEL DESCRIPTION	QUANTITY	UNIT of MEASURE	UNIT COST	TOTAL
<b>STORAGE SHED SAMPLE PROJECT</b>	<b>1.00</b>	<b>EA</b>	<b>798,078.62</b>	<b>798,078.62</b>
LEVEL OVERHEAD	1.00	EA	49,513.00	49,513.00
- This level is distributed				
PERIMETER ROAD PAVING	1.00	EA	538,757.03	538,757.03
EARTHWORKS	3,042.00	CY	46.67	141,965.13
PAVEMENT	26,930.00	SY	7.75	208,756.19
STORM DRAINAGE / EROSION	7,180.00	SY	19.06	136,876.91
GATES	7.00	EA	54.90	384.27
LANDSCAPING	1.00	LS	50,774.53	50,774.53
RANGE ROAD	1.00	EA	59,983.19	59,983.19
WIDEN RANGE ROAD	3,716.00	LF	16.14	59,983.19
VEHICLE STORAGE SHED	1.00	EA	161,204.97	161,204.97
STRUCTURAL	1.00	EA	58,035.46	58,035.46



## Chapter 3 Detail Items

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### Report List

Reports available in the Detail Items tab:

- Detail Report 1A
- Detail Report 1B
- Detail Report 1B – Distributions
- Detail Report 2A
- Detail Report 2A - Distributions
- Detail Report 3A
- Detail Report 4A
- Detail Report Contractor Grouped
- Detail Report Contractor Grouped Filtered
- Detail Report CSI Grouped

---

### Detail Items Reporting

Detail Item reports, as advertised by the name, reflect cost data of the Detail Item Assignments. The different reports show different levels of information. Generally, the lower the number the more detailed the report.

It is mandatory that the lower tree levels are expanded out in order to run these reports. If a folder containing DIA's is NOT expanded prior to running the report the costs for that level will not appear.

Any DIA's in a distributed level will only show in reports marked "Distributions." The costs of any distributed levels are in the mark ups.

# Detail Report 1A

Grouped by level, report 1A provides Direct Cost detail with mark ups summarized below. Data is provided for all DIAs generating cost.

DETAIL REPORT NO.1A									
Title	Reported From: Storage Shed Sample Project								
Subject	Report Total: \$798,079								
Author									
Manager									
LEVEL	QTY	Hrs	Crew/ProdFact	LABOR	MATERIAL	EQUIPMENT	OTHERS	TOTAL	
				<del>Estimate Tree Structure Rollups</del>				\$538,757	
				<del>02 Perimeter Road Paving</del>					
<b>Earthworks</b>									
Subcontractor: EW									
022101002	SUBGRADE - FINE GRADING +/- .1FT	U.C. per CSY -->	1	C0FGA	14.63		12.757		27.388
		1,312	1,312	1.000	\$19,195	\$0	\$16,738	\$0	\$35,933
Tree Depth= 2									
022211102	TRENCH EXCAVATION BY GRADALL, 80 CY/HR MEDIUM SOIL	U.C. per CY -->	0.086	C0D0D	1.636		2.121		3.758
		2,350	203	1.000	\$3,846	\$0	\$4,985	\$0	\$8,830
Subcontractor: EW									
022252122	EXCAVATE & LOAD BY 1-1/2 CY EXCAV, 60 CY/HR MEDIUM MATERIAL	U.C. per CY -->	0.022	C0DES	0.418		0.453		0.87
		692	15	1.000	\$289	\$0	\$313	\$0	\$602
Subcontractor: EW									
022253106	HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	U.C. per CY -->	0.041	C0EID	0.33		0.882		1.211
		3,803	155	1.000	\$1,253	\$0	\$3,353	\$0	\$4,606
Subcontractor: EW									
022253106	HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	U.C. per CY -->	0.041	C0EID	0.33		0.882		1.211
		5,644	230	1.000	\$1,860	\$0	\$4,976	\$0	\$6,836
Subcontractor: EW									
028201002	REMOVE 6IN DEEP TOPSOIL, STOCKPILE ON-SITE	U.C. per CY -->	0.025	C0DTG	0.486		0.968		1.454
		17,788	446	1.000	\$8,640	\$0	\$17,220	\$0	\$25,860
Subtotal					\$35,083	\$0	\$47,565	\$0	\$82,648
1st Layer Markups assigned to Detail Items					\$0,569	\$0	\$8,910	\$0	\$15,479
2nd Layer Branch Markups from GC					\$8,250	\$0	\$11,189	\$0	\$19,439
3rd Layer Level Markups					\$10,346	\$0	\$14,033	\$0	\$24,379
TOTAL Earthworks			2,362		\$60,248	\$0	\$81,717	\$0	\$141,965
3,042.00 CY		Level Unit Cost-->			\$19.87		\$26.86		\$46.67
				<del>Estimate Tree Structure Rollups</del>				\$538,757	
				<del>02 Perimeter Road Paving</del>					
<b>Pavement</b>									
Subcontractor: EW									
022212203	HAND EXCAVATE TRENCH TO 2 FT DEEP, MEDIUM CLAY	U.C. per CY -->	1.333	ULABA	12.488		0.207		12.694
		2.50	3	1.000	\$31	\$0	\$1	\$0	\$32
022215001		U.C. per CY -->	0.769	ULABA	7.204		0.117		7.321

# Detail Report 1B

Grouped my level, report 1B provides more detail than any other report by including markup data on individual DIA's. Only DIA's generating cost are listed.

LEVEL	QTY	Hrs.	Crew/ProdFact	LABOR	MATERIAL	EQUIPMENT	OTHERS	TAXES	DIRECT COST	SUB M/U	PRIME M/U	TOTAL
<b>DETAIL REPORT NO.1B</b>												
Reported From: Storage Shed Sample Project												
Report Total: \$798,079												
<i>Estimate Tree Structure Rollups</i>												
02 Perimeter Road Paving												
\$538,757												
<b>Earthworks</b>												
Tree Depth= 2												
022101002	Sub: EW	U.C. per CSY -->	1	COFGA	14.63		12.757		27.388	5.128	6.44	38.956
SUBGRADE - FINE GRADING +/- .1FT		1,312	1,312	1.000	\$19,195	\$0	\$16,738	\$0	\$35,933	\$6,728	\$8,449	\$61,110
022211102	Sub: EW	U.C. per CY -->	0.086	CODGD	1.636		2.121		3.758	0.704	0.884	5.345
TRENCH EXCAVATION BY GRADALL, 80 CY/HR MEDIUM SOIL		2,350	203	1.000	\$3,845	\$0	\$4,985	\$0	\$8,830	\$1,653	\$2,076	\$12,560
022252122	Sub: EW	U.C. per CY -->	0.022	CODES	0.418		0.453		0.87	0.163	0.205	1.238
EXCAVATE & LOAD BY 1-1/2 CY EXCAV, 60 CY/HR MEDIUM MATERIAL		692	15	1.000	\$289	\$0	\$313	\$0	\$602	\$113	\$142	\$857
022253106	Sub: EW	U.C. per CY -->	0.041	COEID	0.33		0.882		1.211	0.227	0.285	1.723
HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR		3,803	155	1.000	\$1,253	\$0	\$3,353	\$0	\$4,606	\$963	\$1,053	\$6,552
022253106	Sub: EW	U.C. per CY -->	0.041	COEID	0.33		0.882		1.211	0.227	0.285	1.723
HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR		5,644	230	1.000	\$1,860	\$0	\$4,976	\$0	\$6,836	\$1,280	\$1,608	\$9,724
028201002	Sub: EW	U.C. per CY -->	0.025	CODTG	0.486		0.968		1.454	0.272	0.342	2.068
REMOVE 6IN DEEP TOPSOIL, STOCKPILE ON-SITE		17,788	446	1.000	\$8,840	\$0	\$17,220	\$0	\$25,860	\$4,842	\$6,081	\$36,783
Subtotal					\$35,083	\$0	\$47,585	\$0	\$82,668	\$15,479	\$19,439	\$117,586
Subcontractor Markups					\$6,669	\$0	\$8,910	\$0				
Prime Contractor Markups from GC					\$8,250	\$0	\$11,189	\$0				
Level Markups					\$10,346	\$0	\$14,033	\$0				\$24,379
TOTAL Earthworks				2,362	\$60,248	\$0	\$81,717	\$0	\$82,668	\$15,479	\$19,439	\$141,965
3,042.00 CY			Level Unit Cost-->		\$19.81		\$26.86		\$27.18	\$5.09	\$6.39	\$46.67
<i>Estimate Tree Structure Rollups</i>												
02 Perimeter Road Paving												
\$538,757												
<b>Pavement</b>												
Tree Depth= 2												
022212203		U.C. per CY -->	1.333	ULABA	12.488		0.207		12.694		2.514	15.208
HAND EXCAVATE TRENCH TO 2 FT DEEP, MEDIUM CLAY		2.50	3	1.000	\$31	\$0	\$1	\$0	\$32	\$0	\$6	\$38
022215001		U.C. per CY -->	0.769	ULABA	7.204		0.117		7.321		1.45	8.771
BACKFILL TRENCH, BY HAND		1.50	1	1.000	\$11	\$0	\$0	\$0	\$11	\$0	\$2	\$13
022217001		U.C. per CY -->	0.1	CLACA	0.939		0.25		1.189		0.235	1.424
COMPACTION BY HAND WITH AIR TAMER		1.50	1	1.000	\$9	\$0	\$0	\$0	\$9	\$0	\$0	\$9



# Detail Report 1B - Distributions

Similar in all regards to Report 1B this report also includes DIA's contained in "distributed" levels.

Title  
Subject  
Author  
Manager

**DETAIL REPORT NO.1B showing Distributions**  
Reported From: Storage Shed Sample Project  
Report Total: \$798,079

LEVEL	QTY	Hrs	Crew/ProdFact	LABOR	MATERIAL	EQUIPMENT	OTHERS	TAXES	DIRECT COST	SUB M/U	PRIME M/U	TOTAL	
						<i>Estimate Tree Structure Rollups</i>							\$798,079
						<i>Storage Shed Sample Project</i>							
Tree Depth= 1													
<b>01 Level Overhead</b>													
<i>This level is distributed</i>													
010200001 HOME OFFICE COST	U.C. per LS -->	1		1.000	\$0	\$15,000	\$0	\$0	\$0	\$15,000	\$0	\$0	\$15,000
010200002 INSURANCE/SOC.SEC./TAX	U.C. per LS -->	1		1.000	\$3,011	\$97	\$0	\$0	\$0	\$3,108	\$0	\$0	\$3,108
010200003 MISC. INSURANCE	U.C. per EA-->	600		1.000	\$0	\$1,500	\$0	\$0	\$0	\$1,500	\$0	\$0	\$1,500
010500001 PROJECT SUPERINTENDENT	U.C. per LS -->	6		1.000	\$13,200	\$0	\$0	\$0	\$0	\$13,200	\$0	\$0	\$13,200
010500002 PROJECT LAYOUT TEAM	U.C. per LS -->	10		1.000	\$1,500	\$500	\$0	\$0	\$0	\$2,000	\$0	\$0	\$2,000
010900001 PROJECT SIGN	U.C. per EA-->	1		1.000	\$80	\$150	\$0	\$0	\$0	\$230	\$0	\$0	\$230
014000001 FIELD AND LAB TESTING	U.C. per LS -->	1		1.000	\$0	\$0	\$2,500	\$0	\$0	\$2,500	\$0	\$0	\$2,500
015000001 TEMPORARY TOILETS (2 AT 6. MO.)	U.C. per LS -->	12		1.000	\$0	\$0	\$960	\$0	\$0	\$960	\$0	\$0	\$960
015000002 TEMPORARY UTILITIES - WATER	U.C. per LS -->	6		1.000	\$0	\$0	\$120	\$0	\$0	\$120	\$0	\$0	\$120
015000003 TEMPORARY UTILITIES - ELECTRICITY	U.C. per LS -->	6		1.000	\$0	\$0	\$85	\$0	\$0	\$85	\$0	\$0	\$85
016000001 MOBILIZATION & DEMOBILIZATION	U.C. per EA-->	2		1.000	\$1,400	\$0	\$3,000	\$0	\$0	\$4,400	\$0	\$0	\$4,400
016000002 PROJECT VEHICLE	U.C. per LS -->	6		1.000	\$0	\$0	\$3,000	\$0	\$0	\$3,000	\$0	\$0	\$3,000
018000010 STORAGE TOOL TRAILER	U.C. per LS -->	6		1.000	\$0	\$0	\$160	\$0	\$0	\$160	\$0	\$0	\$160
016000003 FIELD OFFICE SUPPLIES	U.C. per LS -->	6		1.000	\$0	\$0	\$300	\$0	\$0	\$300	\$0	\$0	\$300
016000004 MISC. SAFETY FIELD SUPPLIES	U.C. per LS -->	6		1.000	\$0	\$0	\$50	\$0	\$0	\$50	\$0	\$0	\$50

## Detail Report 2A

Grouped by level, the report shows the breakout of the different cost categories.

Title  
Subject  
Author  
Manager

**DETAIL REPORT NO.2A**  
Reported From: Storage Shed Sample Project  
Report Total: \$743,503

LEVEL	QTY	Hrs	Crew	LABOR	MATERIAL	EQUIPMENT	OTHERS	TOTAL
<b>Earthworks</b>								
Tree Depth= 2								
022101002 SUBGRADE - FINE GRADING +/- .1FT	U.C. per CSY --> 1,312	1	COFGA	15,654 \$20,539		13,128 \$17,224	\$0	28,783 \$37,763
022211102 TRENCH EXCAVATION BY GRADALL, 80 CY/HR MEDIUM SOIL	U.C. per CY --> 2,350	0.086 203	CODGD	1,751 \$4,115		2,183 \$5,130	\$0	3,934 \$9,244
022252122 EXCAVATE & LOAD BY 1-1/2 CY EXCAV, 60 CY/HR MEDIUM MATERIAL	U.C. per CY --> 692	0.022 15	CODES	0,447 \$309		0,466 \$322	\$0	0,913 \$632
022253106 HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	U.C. per CY --> 3,803	0.041 155	COEID	0,353 \$1,341		0,907 \$3,450	\$0	1,26 \$4,792
022253106 HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	U.C. per CY --> 5,644	0.041 230	COEID	0,353 \$1,990		0,907 \$5,121	\$0	1,26 \$7,111
028201002 REMOVE 6IN DEEP TOPSOIL, STOCKPILE ON-SITE	U.C. per CY --> 17,788	0.025 446	CODTG	0,52 \$9,246		0,996 \$17,720	\$0	1,518 \$26,965
Subtotal				\$37,538	\$0	\$48,968	\$0	\$86,507
2nd Layer Branch Markups from AA				\$7,435	\$0	\$9,699	\$0	\$17,133
3rd Layer Level Markups				\$9,324	\$0	\$12,164	\$0	\$21,488
TOTAL Earthworks		2,362		\$54,298	\$0	\$70,830	\$0	\$125,128
3,042.00 CY	Level Unit Cost-->			\$17.85		\$23.28		\$41.13

### Pavement

Tree Depth= 2								
022212203 HAND EXCAVATE TRENCH TO 2 FT DEEP, MEDIUM CLAY	U.C. per CY --> 2.50	1.333 3	ULABA	13,618 \$34		0,217 \$1	\$0	13,834 \$35
022215001 BACKFILL TRENCH, BY HAND	U.C. per CY --> 1.50	0.769 1	ULABA	7,856 \$12		0,123 \$0	\$0	7,979 \$12
022217001 COMPACTION, BY HAND WITH AIR TAMP	U.C. per CY --> 1.50	0.1	CLACA	1,023 \$2		0,262 \$0	\$0	1,285 \$2

# Detail Report 2A - Distributions

Grouped by level, the report shows the breakout of the different cost categories and includes DIA's in distributed levels.

**DETAIL REPORT NO.2A Distributions**  
 Reported From: Storage Shed Sample Project  
 Report Total: \$798,079

LEVEL	QTY	Hrs	Crew	LABOR	MATERIAL	EQUIPMENT	OTHERS	TOTAL
<b>01 Level Overhead</b>								
<i>This level is distributed</i>								
01020001	U.C. per LS -->				15000			15000
HOME OFFICE COST	1.00			\$0	\$15,000	\$0	\$0	\$15,000
01020002	U.C. per LS -->			3011	97			3108
INSURANCE/SOC.SEC./TAX	1.00			\$3,011	\$97	\$0	\$0	\$3,108
01020003	U.C. per EA -->				2.5			2.5
MISC. INSURANCE	600.00			\$0	\$1,500	\$0	\$0	\$1,500
01050001	U.C. per LS -->			2200				2200
PROJECT SUPERINTENDENT	6.00			\$13,200	\$0	\$0	\$0	\$13,200
01050002	U.C. per LS -->			150	50			200
PROJECT LAYOUT TEAM	10.00			\$1,500	\$500	\$0	\$0	\$2,000
01080001	U.C. per EA -->			80	160			230
PROJECT SIGN	1.00			\$80	\$160	\$0	\$0	\$230
01400001	U.C. per LS -->					2500		2500
FIELD AND LAB TESTING	1.00			\$0	\$0	\$2,500	\$0	\$2,500
01500001	U.C. per LS -->					80		80
TEMPORARY TOILETS (2 AT 0. MO.)	12.00			\$0	\$0	\$960	\$0	\$960
01500002	U.C. per LS -->					120		120
TEMPORARY UTILITIES - WATER	6.00			\$0	\$0	\$720	\$0	\$720
01500003	U.C. per LS -->					85		85
TEMPORARY UTILITIES - ELECTRICITY	6.00			\$0	\$0	\$510	\$0	\$510
01600001	U.C. per EA -->			700	1500			2200
MOBILIZATION & DEMOBILIZATION	2.00			\$1,400	\$0	\$3,000	\$0	\$4,400
01600002	U.C. per LS -->					500		500
PROJECT VEHICLE	6.00			\$0	\$0	\$3,000	\$0	\$3,000
01600010	U.C. per LS -->					160		160
STORAGE TOOL TRAILER	6.00			\$0	\$0	\$960	\$0	\$960
01600003	U.C. per LS -->					50		50
FIELD OFFICE SUPPLIES	6.00			\$0	\$0	\$300	\$0	\$300
01600004	U.C. per LS -->					50		50
MISC. SAFETY/FIELD SUPPLIES	6.00			\$0	\$0	\$300	\$0	\$300
01600005	U.C. per LS -->					75		75
FIRST AID	1.00			\$0	\$0	\$75	\$0	\$75

## Detail Report 3A

Grouped by level, report 3A is similar to 2A showing the breakout of the different cost categories, but does not display DIA codes.

Title		DETAIL REPORT NO.3A							
Subject		Reported From: Storage Shed Sample Project							
Author		Report Total: \$798,079							
Manager									
LEVEL	QTY	Hrs	Crew	LABOR	MATERIAL	EQUIPMENT	OTHERS	TOTAL	
				<u>Estimate Tree Structure Rollups</u>				\$538,757	
				<u>02 Perimeter Road Paving</u>					
<b>Earthworks</b>					Tree Depth= 2				
SUBGRADE - FINE GRADING +/- .1FT	1,312.00	1,312	COFGA	\$19,195	\$0	\$16,738	\$0	\$35,933	
TRENCH EXCAVATION BY GRADALL, 80 CY/HR MEDIUM SOIL	2,350.00	203	CODGD	\$3,846	\$0	\$4,985	\$0	\$8,830	
EXCAVATE & LOAD BY 1-1/2 CY EXCAV, 60 CY/HR MEDIUM MATERIAL	692.00	15	CODES	\$289	\$0	\$313	\$0	\$602	
HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	3,803.00	155	COEID	\$1,253	\$0	\$3,353	\$0	\$4,606	
HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	5,644.00	230	COEID	\$1,860	\$0	\$4,976	\$0	\$6,836	
REMOVE 6IN DEEP TOPSOIL, STOCKPILE ON-SITE	17,788.00	446	CODTG	\$8,640	\$0	\$17,220	\$0	\$25,860	
Subtotal				\$35,083	\$0	\$47,585	\$0	\$82,668	
1st Layer Markups assigned to Detail Items				\$8,569	\$0	\$8,910	\$0	\$17,479	
2nd Layer Branch Markups from GC				\$8,250	\$0	\$11,189	\$0	\$19,439	
3rd Layer Level Markups				\$10,346	\$0	\$14,033	\$0	\$24,379	
TOTAL Earthworks		2,362		\$60,248	\$0	\$81,717	\$0	\$141,965	
3,042.00 CY		Level Unit Cost-->		\$19.81		\$26.86		\$46.67	
				<u>Estimate Tree Structure Rollups</u>				\$538,757	
				<u>02 Perimeter Road Paving</u>					
<b>Pavement</b>					Tree Depth= 2				
HAND EXCAVATE TRENCH TO 2 FT DEEP, MEDIUM CLAY	2.50	3	ULABA	\$31	\$0	\$1	\$0	\$32	
BACKFILL TRENCH, BY HAND	1.50	1	ULABA	\$11	\$0	\$0	\$0	\$11	
COMPACTION, BY HAND WITH AIR TAMP	1.50		CLACA	\$1	\$0	\$0	\$0	\$2	
PREP AND ROLL SUBBASE, LARGE AREA	46,516.00	638	XSGRA	\$8,791	\$0	\$9,584	\$0	\$18,375	
CRUSHED BASE #2 DEPTH, GRADE AND COMPACT	28,000.00	411	XCDBA	\$8,156	\$48,000	\$5,000	\$0	\$57,156	

## Detail Report 4A

Grouped by level, the report focuses on the Unit Cost of each DIA.

Title  
Subject  
Author  
Manager

**DETAIL REPORT NO.4A**  
Reported From: Storage Shed Sample Project  
Report Total: \$743,503

<u>LEVEL</u>		<u>QTY</u>		<u>UNIT COST</u>	<u>TOTAL</u>
	<i>Estimate Tree Structure Rollups</i>				\$496,821
	02 Perimeter Road Paving				
<b>Earthworks</b>					
				Tree Depth= 2	
022101002	SUBGRADE - FINE GRADING +/- .1FT	1,312	CSY	\$28.78	\$37,763
022211102	TRENCH EXCAVATION BY GRADALL, 80 CY/HR MEDIUM SOIL	2,350	CY	\$3.93	\$9,244
022252122	EXCAVATE & LOAD BY 1-1/2 CY EXCAV, 60 CY/HR MEDIUM MATERIAL	692	CY	\$0.91	\$632
022253106	HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	3,803	CY	\$1.26	\$4,792
022253106	HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	5,644	CY	\$1.26	\$7,111
028201002	REMOVE 6IN DEEP TOPSOIL, STOCKPILE ON-SITE	17,788	CY	\$1.52	\$26,965
Subtotal					\$86,507
2nd Layer Branch Markups from AA					\$17,133
3rd Layer Level Markups					\$21,488
<b>TOTAL Earthworks</b>		<b>3,042.00</b>	<b>CY</b>	<b>\$41.13</b>	<b>\$125,128</b>

*Estimate Tree Structure Rollups*  
02 Perimeter Road Paving \$496,821

<b>Pavement</b>					
				Tree Depth= 2	
022212203	HAND EXCAVATE TRENCH TO 2 FT DEEP, MEDIUM CLAY	2.50	CY	\$13.83	\$35
022215001	BACKFILL TRENCH, BY HAND	1.50	CY	\$7.98	\$12
022217001	COMPACTION, BY HAND WITH AIR TAMP	1.50	CY	\$1.28	\$2

## Detail Report Contractor Grouped

Grouped by Contractor, this report shows the breakout of the different cost categories. It begins with DIA's that do NOT have a Contractor individually assigned (typically Prime Contractor work).

Title  
Subject  
Author  
Manager

**DETAIL REPORT by Contractor**  
Reported From: Storage Shed Sample Project  
Report Total: \$743,503

DESCRIPTION	QTY	Hrs	Crew	LABOR	MATERIAL	EQUIPMENT	OTHERS	TOTAL
<b>Unassigned Contractor Items</b>								
021121101 DEMOLISH AND REMOVE PAVING AND BASE COURSE, BITUMINOUS ROAD	U.C. per SY --> 206	0.088 18	CODEF	0.957 \$197	\$0	0.903 \$186	\$0	1.86 \$383
021121203 DEMOLISH AND REMOVE CONCRETE 7 TO 24" THICK REINFORCED	U.C. per CY --> 135	2.737 369	CODEF	29.718 \$4,012	\$0	28.049 \$3,787	\$0	57.766 \$7,798
021125001 REMOVE CHAIN LINK FENCE, FOR REUSE	U.C. per LF --> 133	0.065 9	ULAB9	0.659 \$88	\$0	0.011 \$1	\$0	0.67 \$89
021126001 SAW CUT BITUMINOUS PAVING	U.C. per LF --> 14,864	0.023 342	ULABE	0.235 \$3,490	\$0	0.029 \$433	\$0	0.264 \$3,922
021126005 SAW CUT CONCRETE SLABS - MESH REINF	U.C. per LF --> 3,010	0.037 111	ULABE	0.378 \$1,138	\$0	0.047 \$141	\$0	0.425 \$1,280
021126005 SAW CUT CONCRETE SLABS - MESH REINF	U.C. per LF --> 1,278	0.037 47	ULABE	0.378 \$483	\$0	0.047 \$60	\$0	0.425 \$543
022101002 SUBGRADE - FINE GRADING +/- .1FT	U.C. per CSY --> 1,312	1 1,312	COFGA	15.654 \$20,539	\$0	13.128 \$17,224	\$0	28.783 \$37,763
022101002 SUBGRADE - FINE GRADING +/- .1FT	U.C. per CSY --> 33	1 33	COFGA	15.654 \$517	\$0	13.128 \$433	\$0	28.783 \$950
022121024 SHOULDER MATERIAL	U.C. per CY --> 944	0.003 2	COFCP	0.048 \$46	3.863 \$3,646	0.091 \$86	\$0	4.002 \$3,778
022211102 TRENCH EXCAVATION BY GRADALL, 80 CY/HR MEDIUM SOIL	U.C. per CY --> 2,350	0.086 203	CODGD	1.751 \$4,115	\$0	2.183 \$5,130	\$0	3.934 \$9,244
022211102 TRENCH EXCAVATION BY GRADALL, 80 CY/HR MEDIUM SOIL	U.C. per CY --> 95	0.086 8	CODGD	1.751 \$166	\$0	2.183 \$207	\$0	3.934 \$374

## Detail Report Contractor Grouped Filtered

Grouped by Contractor, this report shows the breakout of the different cost categories. It only provides information on DIA's that have a Contractor assigned.

**DETAIL REPORT by Contractor (Filtered)**  
 Reported From: Storage Shed Sample Project  
 Report Total: \$743,503

<u>DESCRIPTION</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew</u>	<u>LABOR</u>	<u>MATERIAL</u>	<u>EQUIPMENT</u>	<u>OTHERS</u>	<u>TOTAL</u>
<b>EL ELECTRICAL</b>								
161113104 3/4" PVC CONDUIT W/COUPLING - DIRECT BURIAL	U.C. per LF --> 160	0.041 7	EELEC	0.723 \$116	0.134 \$22	\$0	\$0	0.858 \$137
161113104 3/4" PVC CONDUIT W/COUPLING - DIRECT BURIAL	U.C. per LF --> 20	0.041 1	EELEC	0.724 \$14	0.134 \$3	\$0	\$0	0.858 \$17
161113105 3/4" PVC ELBOW - DIRECT BURIAL	U.C. per EA --> 12	0.257 3	EELEC	4.541 \$54	0.37 \$4	\$0	\$0	4.911 \$59
161113106 3/4" PVC ADAPTER - DIRECT BURIAL	U.C. per EA --> 12	0.184 2	EELEC	3.253 \$39	0.269 \$3	\$0	\$0	3.522 \$42
161113106 3/4" PVC ADAPTER - DIRECT BURIAL	U.C. per EA --> 2	0.185 2	EELEC	3.252 \$7	0.269 \$1	\$0	\$0	3.521 \$7
161200001 REMOVE #10 WIRE	U.C. per MLF --> 1.10	0.04	EELEB	1.162 \$1	\$0	0.01 \$0	\$0	1.172 \$1
161201212 NO.10 AWG CONDUCTOR, SINGLE STRANDED - TYPE THHN INSULATION	U.C. per MLF --> 2	6.803 14	EELEF	180.224 \$360	134.035 \$268	1.058 \$2	\$0	315.317 \$631
161201212 NO.10 AWG CONDUCTOR, SINGLE STRANDED - TYPE THHN INSULATION	U.C. per MLF --> 0.05	6.8	EELEF	180.2 \$9	134.02 \$7	0.98 \$0	\$0	315.2 \$16
161403201 SPST SWITCH 120V/20A W/P - EXPOSED	U.C. per EA --> 1	0.323	EELEB	9.36 \$9	36.226 \$36	0.048 \$0	\$0	45.634 \$46
164501114 COPPER AIR TERMINAL 1/2" X 24"	U.C. per EA --> 16	0.268 4	EELEB	7.777 \$124	7.037 \$113	0.04 \$1	\$0	14.853 \$238
164501212 BOLTED BASE FOR TERM. 1/2" CU	U.C. per EA --> 16	0.858 14	EELEB	24.899 \$398	7.732 \$124	0.128 \$2	\$0	32.759 \$524
164501312 3/4" PVC ADAPTER W/COUPLING	U.C. per EA --> 1	1.613 1	EELEB	46.786 \$74	13.379 \$21	0.239 \$0	\$0	60.403 \$95

## Detail Report CSI Grouped

This report groups DIA's by Code, regardless of Levels or Work Breakdown Structure. It then reports the breakout of the different cost categories.

		DETAIL REPORT by CSI							
		Reported From: Storage Shed Sample Project							
		Report Total: \$743,503							
		QTY	Hrs	Crew	LABOR	MATERIAL	EQUIPMENT	OTHERS	TOTAL
<b>02 Site Work</b>									
022101002	U.C. per CSY -->	1	COFGA	15,654		13,128			28,783
SUBGRADE - FINE GRADING +/- .1FT	1,312	1,312		\$20,539	\$0	\$17,224	\$0		\$37,763
022211102	U.C. per CY -->	0.088	CODGD	1,751		2,183			3,934
TRENCH EXCAVATION BY GRADALL, 80 CY/HR MEDIUM SOIL	2,350	203		\$4,115	\$0	\$5,130	\$0		\$9,244
022252122	U.C. per CY -->	0.022	CODES	0,447		0,466			0,913
EXCAVATE & LOAD BY 1-1/2 CY EXCAV, 60 CY/HR MEDIUM MATERIAL	692	15		\$309	\$0	\$322	\$0		\$632
022253106	U.C. per CY -->	0.041	COEID	0,353		0,907			1,26
HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	3,803	155		\$1,341	\$0	\$3,450	\$0		\$4,792
022253106	U.C. per CY -->	0.041	COEID	0,353		0,907			1,26
HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	5,644	230		\$1,990	\$0	\$5,121	\$0		\$7,111
028201002	U.C. per CY -->	0.025	CODTG	0,52		0,986			1,516
REMOVE 6IN DEEP TOPSOIL, STOCKPILE ON-SITE	17,788	446		\$9,245	\$0	\$17,720	\$0		\$26,965
022212203	U.C. per CY -->	1.333	ULABA	13,618		0,217			13,834
HAND EXCAVATE TRENCH TO 2 FT DEEP, MEDIUM CLAY	2,50	3		\$34	\$0	\$1	\$0		\$35
022215001	U.C. per CY -->	0.789	ULABA	7,856		0,123			7,979
BACKFILL TRENCH, BY HAND	1,50	1		\$12	\$0	\$0	\$0		\$12
022217001	U.C. per CY -->	0.1	CLACA	1,023		0,262			1,285
COMPACTION, BY HAND WITH AIR TAMP	1,50			\$2	\$0	\$0	\$0		\$2
026111002	U.C. per SY -->	0.014	XSGRA	0,206		0,216			0,422
PREP AND ROLL SUBBASE, LARGE AREA	46,516	638		\$9,587	\$0	\$10,051	\$0		\$19,638
026112111	U.C. per SY -->	0.016	XSABA	0,249	1,38	0,206			1,834
CRUSHED BASE 4" DEPTH, GRADE AND COMPACT	26,930	431		\$6,713	\$37,151	\$5,538	\$0		\$49,402
026122004	U.C. per MI -->	13.659	COKBJ	189,288	14299,365	282,779			14771,432
DOUBLE COURSE	4,17	57		\$789	\$59,628	\$1,179	\$0		\$61,597
022611002	U.C. per CY -->	0.213	COETF	2,232	17,934	1,414			21,581
RIP RAP, 10 TO 100 LB PIECES, DUMPED & MACHINE PLACED	2,488	531		\$5,554	\$44,620	\$3,519	\$0		\$53,694
022642002	U.C. per LF -->	0.053	ULABB	0,545	1,104	0,009			1,657







## Chapter 4 Levels

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### Report List

Reports available in the Levels tab:

- Level Detail Report 1
- Level Detail Report 1 – Dist
- Level Markup Assignment Report
- Level Report 1
- Level Report 2

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### Levels Tab Reporting

The reports in Levels focus on the costs grouped by the folder tree or Work Breakdown Structure (WBS).

## Level Detail Report 1

This report gives a cost matrix of each level's cost categories with their markups.

Title  
Subject  
Author  
Manager

### LEVEL DETAIL REPORT 1

LEVEL	HOURS	LABOR	MATERIAL	EQUIPMENT	OTHERS	TOTAL
<i>DEPTH=0</i>						
<b>- Storage Shed Sample Project</b>						
Direct Costs	7,927	\$117,925	\$303,255	\$91,724	\$0	\$512,904
Subcontractor Markups		\$508	\$603	\$2	\$0	\$1,114
Subtotal		\$118,433	\$303,858	\$91,727	\$0	\$514,018
AA GENERAL CONTRACTOR Markups		\$23,457	\$60,182	\$18,167	\$0	\$101,806
BOND	0.80 %					
PROFIT	8.05 %					
SITE OVERHEAD	10.00 %					
Level Markups		\$29,418	\$75,477	\$22,785	\$0	\$127,680
ESCALATION	2.10 %					
CONTINGENCIES	10.00 %					
SIOH	7.50 %					
<b>LEVEL TOTAL</b>	<b>7,927</b>	<b>\$171,308</b>	<b>\$439,517</b>	<b>\$132,678</b>	<b>\$0</b>	<b>\$743,503</b>
<i>NOTE:</i> This is a simple storage shed estimate used primarily as a technical support tool.						

<i>DEPTH=1</i>						
<b>- 02 Perimeter Road Paving</b>						
Direct Costs	4,995	\$75,698	\$190,270	\$77,507	\$0	\$343,475
AA GENERAL CONTRACTOR Markups		\$14,993	\$37,685	\$15,351	\$0	\$68,028
Level Markups		\$18,803	\$47,262	\$19,252	\$0	\$85,318
<b>LEVEL TOTAL</b>	<b>4,995</b>	<b>\$109,493</b>	<b>\$275,217</b>	<b>\$112,110</b>	<b>\$0</b>	<b>\$496,821</b>

# Level Detail Report 1 - Dist

The same report as Level Detail Report 1, but any distributed level costs are included both as a level and as part of the markups.

<i>Title</i>		<b>LEVEL DETAIL REPORT 1 With DISTRIBUTIONS</b>					
<i>Subject</i>							
<i>Author</i>							
<i>Manager</i>							
<u>LEVEL</u>	<u>HOURS</u>	<u>LABOR</u>	<u>MATERIAL</u>	<u>EQUIPMENT</u>	<u>OTHERS</u>	<u>TOTAL</u>	
<i>DEPTH=0</i>							
<b>- Storage Shed Sample Project</b>							
Direct Costs	7,927	\$98,184	\$285,733	\$79,474	\$0	\$463,391	
Subcontractor Markups		\$508	\$603	\$2	\$0	\$1,114	
Distributions		\$19,741	\$17,522	\$12,250	\$0	\$49,513	
Subtotal		\$118,433	\$303,858	\$91,727	\$0	\$514,018	
AA GENERAL CONTRACTOR Markups		\$23,457	\$60,182	\$18,167	\$0	\$101,806	
BOND	0.80 %						
PROFIT	8.05 %						
SITE OVERHEAD	10.00 %						
Level Markups		\$29,418	\$75,477	\$22,785	\$0	\$127,680	
ESCALATION	2.10 %						
CONTINGENCIES	10.00 %						
SIOH	7.50 %						
<b>LEVEL TOTAL</b>	<b>7,927</b>	<b>\$171,308</b>	<b>\$439,517</b>	<b>\$132,678</b>	<b>\$0</b>	<b>\$743,503</b>	
<i>NOTE:</i> This is a simple storage shed estimate used primarily as a technical support tool.							
<i>DEPTH=1</i>							
<b>01 Level Overhead</b>							
Direct Costs	0	\$19,741	\$17,522	\$12,250	\$0	\$49,513	
	\$s						
<i>DEPTH=1</i>							
<b>-02 Perimeter Road Paving</b>							
Direct Costs	4,995	\$63,080	\$179,298	\$67,156	\$0	\$309,534	
Distributions		\$12,618	\$10,972	\$10,351	\$0	\$33,941	

## Level Markup Assignment Report

This report will display any tree folders that have Level Markups assigned.

Title  
Subject  
Author  
Manager

### LEVEL MARKUP ASSIGNMENT REPORT

Reported From: Storage Shed Sample Project  
Project Total: \$743,503

Level Code	Level/Markup Description	Markup Amount	Applied to					
			Labor	Equip	Material	Other1	Other2	Other3
Storage Shed Sample Project								
<i>Note: This is a simple storage shed estimate used primarily as a technical support tool.</i>								
	SIDH	7.500%	Yes	Yes	Yes	Yes	Yes	Yes
	CONTINGENCIES	10.000%	Yes	Yes	Yes	Yes	Yes	Yes
	ESCALATION	2.100%	Yes	Yes	Yes	Yes	Yes	Yes

# Level Report 1

Grouped my level, this is a simple report of Total Cost for each cost category.

*Title*  
*Subject*  
*Author*  
*Manager*

## LEVEL REPORT 1

<u>LEVEL DESCRIPTION</u>	<u>HOURS</u>	<u>LABOR</u>	<u>MATERIAL</u>	<u>EQUIPMENT</u>	<u>OTHERS</u>	<u>TOTAL</u>
<b>- Storage Shed Sample Project</b>	7,927	\$171,308	\$439,517	\$132,678	\$0	\$743,503
<b>-02 Perimeter Road Paving</b>	4,995	\$109,493	\$275,217	\$112,110	\$0	\$496,821
Earthworks	2,362	\$54,298	\$0	\$70,830	\$0	\$125,128
Pavement	1,135	\$24,886	\$140,175	\$24,261	\$0	\$189,322
Storm Drainage / Erosion Control	734	\$11,160	\$114,106	\$5,198	\$0	\$130,464
Gates	16	\$251	\$0	\$162	\$0	\$413
Landscaping	748	\$18,899	\$20,936	\$11,660	\$0	\$51,494
<b>-03 Range Road</b>	934	\$17,225	\$31,581	\$11,021	\$0	\$59,827
Widen Range Road	934	\$17,225	\$31,581	\$11,021	\$0	\$59,827
<b>-04 Vehicle Storage Shed</b>	1,735	\$37,362	\$103,307	\$9,400	\$0	\$150,070
Structural	549	\$12,160	\$42,710	\$1,402	\$0	\$56,272
Architectural	360	\$9,037	\$44,906	\$1,300	\$0	\$55,243

## Level Report 2

This report shows Unit Cost along with the Total Cost of each level.

*Title*  
*Subject*  
*Author*  
*Manager*

### LEVEL REPORT 2

<u>LEVEL DESCRIPTION</u>	<u>QTY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>TOTAL</u>
<b>- Storage Shed Sample Project</b>	1	EA	-----	\$743,503
<b>- 02 Perimeter Road Paving</b>	1	EA	-----	\$496,821
Earthworks	3,042	CY	\$41.13	\$125,128
Pavement	26,930	SY	\$7.03	\$189,322
Storm Drainage / Erosion Control	7,180	SY	\$18.17	\$130,464
Gates	7	EA	\$58.94	\$413
Landscaping	1	LS	-----	\$51,494
<b>- 03 Range Road</b>	1	EA	-----	\$59,827
Widen Range Road	3,716	LF	\$16.10	\$59,827
<b>- 04 Vehicle Storage Shed</b>	1	EA	-----	\$150,070
Structural	1	EA	-----	\$56,272
Architectural	1	EA	-----	\$55,243
Electrical	1	EA	-----	\$8,646







## Chapter 5 Other

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### Reports List

Reports available in the Other tab:

- Bill of Material Report
- CSI Level 1 Summary
- Facility X CSI Summary
- Productivity Factor Assignments
- Zero Cost Detail Items

---

### Other Tab Reporting

The reports in this tab offer various types of information that may be helpful to the user. They generally do not focus on the standard reporting by level so, as with all reports, it is important to pay attention to the level you have selected prior to running these reports. The majority of these reports rely on the Code field for DIA's, and uses the first two numbers to group costs.

## Bill of Material Report

Any DIA in the estimate that has a value in the Material cost category shows up in this report. The grouping is by CSI code and utilizes the first two numbers in each DIAs Code.

<i>Title</i>		<b>BILL OF MATERIAL REPORT</b>					
<i>Subject</i>		Reported From:					
<i>Author</i>		Storage Shed Sample Project					
<i>Manager</i>							
				<u>Direct Material</u>			
<b>Code</b>	<b>Description</b>	<b>Qty</b>	<b>UM</b>	<b>Unit Cost</b>	<b>Cost</b>	<b>Markups</b>	<b>Total</b>
<b>01</b>							
010200003	MISC. INSURANCE	600	EA	2.50	\$1,500	\$0	\$1,500
010500002	PROJECT LAYOUT TEAM	10	LS	50.00	\$500	\$0	\$500
016000005	FIRST AID	1	LS	75.00	\$75	\$0	\$75
010200002	INSURANCE/SOC.SEC./TAX	1	LS	97.00	\$97	\$0	\$97
010800001	PROJECT SIGN	1	EA	150.00	\$150	\$0	\$150
017000001	PUNCH LIST	1	LS	200.00	\$200	\$0	\$200
010200001	HOME OFFICE COST	1	LS	15000.00	\$15,000	\$0	\$15,000
<b>Category 01 Subtotal</b>					<b>\$17,522</b>	<b>\$0</b>	<b>\$17,522</b>
<b>02</b>							
027113401	BARBED WIRE, GALV. STEEL	480	LF	0.08	\$38	\$21	\$60
022642002	VINYL FENCE 3 FT HIGH WITH 7.5 FT POST	2,158	LF	1.04	\$2,244	\$1,201	\$2,353
026112111	CRUSHED BASE 4" DEPTH, GRADE AND COMPACT	26,930	SY	1.30	\$35,009	\$18,729	\$53,738
026121400	TACK COAT, 1/2" GYPSUM	6,000	SF	1.74	\$10,440	\$0	\$10,440

## CSI Level 1 Summary

The first two numbers in each DIA are used to group costs into the sixteen CSI codes. Any DIAs that do not have a code, or use a code that is unrecognized, are put into a NON-CATEGORIZED ITEMS group. The Total Cost for each cost category is then shown along with a summary at the bottom.

<i>Title</i>		<b>CSI LEVEL 1 SUMMARY</b>					
<i>Subject</i>		Reported From: Storage Shed Sample Project					
<i>Author</i>							
<i>Manager</i>							
<u>CSI CODE OF ACCOUNTS</u>		<u>LABOR</u>	<u>MATERIAL</u>	<u>EQUIPMENT</u>	<u>OTHERS</u>	<u>TOTAL</u>	<u>%</u>
02	Site Work	\$127,158	\$311,045	\$129,766	\$0	\$567,969	63.95%
03	Concrete	\$4,079	\$14,412	\$307	\$0	\$18,798	2.12%
04	Masonry	\$3,428	\$4,786	\$62	\$0	\$8,276	0.93%
05	Metals	\$6,866	\$35,302	\$1,136	\$0	\$43,304	4.88%
07	Thermal And Moisture Protection	\$4,834	\$40,103	\$1,238	\$0	\$46,175	5.20%
09	Finishes	\$6,713	\$29,452	\$150	\$0	\$36,315	4.09%
16	Electrical	\$3,858	\$4,417	\$20	\$0	\$8,295	0.93%
<b>NON-CATEGORIZED ITEMS</b>		\$159,017	\$0	\$0	\$0	\$159,017	17.90%
<b>TOTAL PROJECT</b>		\$315,953 35.57%	\$439,517 49.49%	\$132,678 14.94%	\$0	\$888,149	

## Facility X CSI Summary

The first two numbers in each DIA are used to group costs into the sixteen CSI codes. The report then groups costs by the 2<sup>nd</sup> Level (or child to the Project level). DIAs costs with an unrecognized Code are put into a group called OTHER ACCOUNTS.

Title  
Subject  
Author  
Manager

**FACILITY BY CSI SUMMARY MATRIX**  
Reported From: Storage Shed Sample Project

CSI CODE OF ACCOUNTS	Perimeter Road Paving 1 EA	Range Road 1 EA	Vehicle Storage 1 EA	Metal Ceiling 1 EA	TOTAL
02 SITE WORK	\$406,530	\$59,827	\$23,256		\$579,613
03 CONCRETE	\$291		\$18,881		\$19,172
04 MASONRY			\$8,590		\$8,590
05 METALS			\$43,933		\$43,933
07 THERMAL & MOISTURE PROT.			\$46,618		\$46,618
09 FINISHES			\$144	\$36,786	\$36,930
16 ELECTRICAL			\$8,648		\$8,648
<b>TOTALS</b>	<b>\$496,821</b>	<b>\$59,827</b>	<b>\$150,070</b>	<b>\$36,786</b>	<b>\$743,503</b>

## Productivity Factor Assignments

This report generates a list of all DIAs that have a Difficulty Factor that does not equal 1.00.

### ASSIGNED PRODUCTIVITY FACTORS TO DETAIL ITEMS

Title  
Subject  
Author  
Manager

Reported From:  
Storage Shed Sample Project

Code	Description	Qty	UM	Baseline Unit Hours	Adjusted Hours Unit	Total	Unit Cost	Total	
<b>Earthworks</b>									
022211102	TRENCH EXCAVATION BY GRADALL, 80 CY/HR MEDIUM SOIL	2350.00	CY	0.108	Resource: CODGD				
				<b>Productivity Factor--&gt;</b>	<b>1.250</b>	<b>0.09</b>	<b>203</b>	\$5.69	\$13,372
022253106	HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	3803.00	CY	0.061	Resource: COEID				
				<b>Productivity Factor--&gt;</b>	<b>1.500</b>	<b>0.04</b>	<b>155</b>	\$1.82	\$6,931
022253106	HAUL USING 12 LCY TRUCK - 6 MI AT 40 MI/HR	5644.00	CY	0.061	Resource: COEID				
				<b>Productivity Factor--&gt;</b>	<b>1.500</b>	<b>0.04</b>	<b>230</b>	\$1.82	\$10,286
028201002	REMOVE 6IN DEEP TOPSOIL, STOCKPILE ON-SITE	17788.00	CY	0.031	Resource: CODTG				
				<b>Productivity Factor--&gt;</b>	<b>1.250</b>	<b>0.03</b>	<b>446</b>	\$2.19	\$39,004

## Zero Cost Detail Items

This report provides a quick check to find any DIA's that are NOT generating cost; whether it is because the Quantity was left blank or no cost categories have dollar amounts.

<i>Title</i>		<b>ZERO COST DETAILS ITEMS</b>					
<i>Subject</i>		Reported From:					
<i>Author</i>		Storage Shed Sample Project					
<i>Manager</i>							
<b>Code</b>	<b>Description</b>	<b>Qty</b>	<b>UM</b>	<b>Hours</b>		<b>Unit Cost</b>	<b>Total</b>
				<b>Unit</b>	<b>Total</b>		
	<b>Gates</b>						
027110001	ADJUST HEIGHT OF GATES	0.00	EA	0.00	0	\$0.00	\$0
	<b>Fencing</b>						
027113401	BARBED WIRE, GALV. STEEL	0.00	LF	0.00	0	\$0.00	\$0







## Chapter 6 Parametrics

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### Reports List

Reports available in the Parametrics tab:

- Formula Assignments to Level and Details
- Variable Details

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### Parametrics Tab Reporting

If your version of Success Estimator has been customized, whether by U.S. COST or your company, it is likely that Formulas and/or Variables are used in some way. The reports in the Parametric tab will give insight to the custom work.

---

## Formula Assignments to Level and Details

This report lists each level and/or DIA utilizing a formula.

### FORMULA ASSIGNMENTS TO LEVEL AND DETAIL ITEMS

*Title*  
*Subject*  
*Author*  
*Manager*

Reported From:  
Storage Shed Sample Project

ID	Code	Description	Qty	Factor	Formula
3		Chain Link Fence, 8' feet	693.00		Round([Perimeter of Site]+5)
3		Barbed Wire	6.93		If ([Barbed Wire]="Yes",[Perimeter of Site]/100, 0)
3		Fence Posts	70.00		[No of Posts]

# Variables Details

Grouped by level, this report lists each Variable in the estimate.

*Title*  
*Subject*  
*Author*  
*Manager*

**VARIABLE DETAILS**  
Reported From: Storage Shed Sample Project

Code/FORMID	Description	Type	Factor/Data	Formula	Min	Max	Trigger	Default
<i>Memo:</i> Storage Shed Sample Project								
100	Site Area SF		30000.00		1000.000	10000000.000		
104	Fence No of Posts		70.00	Round (([Perimeter of Site] / [Post Distance])* .5, 0)				
103	Barbed Wire			Yes				
102	Post Distance		10.00		6.000	15.000		
101	Perimeter of Site		692.82	Sqrt ([Site Area SF]*4)				



## Chapter 7 Resources

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### Report List

Reports available in the Resources tab:

- 1<sup>st</sup> Layer Markup Summary Report
- 2<sup>nd</sup> Layer Markup Summary Report
- Contractor Markup Make-up Report
- Contractor Report A
- Contractor Summary
- Crew Make-up Report
- Crew Resource Report 1
- Equipment Make-up Report
- Equipment Resource Report 1
- Labor Make-up Report
- Labor Resource Report 1
- Material Resource Report 1
- Prime Contractor Summary Report

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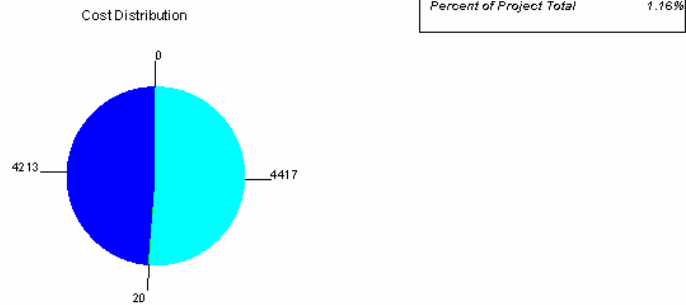
### Resources Tab Reporting

The Resources reports comprise not only resources (Labor, Equipment, Crews, etc.) but also contractor markups that go into Total Costs. Resources reporting offers different methods to track costs separate from levels.

# 1st Layer Markup Summary Report

The cost data in this report is grouped by Contractors assigned to DIAs and broken out by cost category. While the focus is on Subcontractors (1<sup>st</sup> Layer Markups) the report shows a breakdown of all markups that make up Total Cost.

Title		<b>1st LAYER MARKUP SUMMARY REPORT</b>							
Subject		Reported From: Storage Shed Sample Project							
Author		Project Total: \$743,004							
Manager									
Code	Contractor Description	Hours	Labor	Equip	Material	Other1	Other2	Other3	Total
EL	ELECTRICAL								
	Direct Cost	92	\$1,918	\$9	\$2,275	\$0	\$0	\$0	\$4,202
	Distributions		\$486	\$2	\$176	\$0	\$0	\$0	\$664
	Subtotal		\$2,404	\$11	\$2,451	\$0	\$0	\$0	\$4,866
			21.14%	22.18%	24.60%				22.88%
	1st Layer Markups assigned to Detail Items		\$508	\$2	\$603	\$0	\$0	\$0	\$1,114
	Subtotal (Cost to Prime)		\$2,913	\$14	\$3,053	\$0	\$0	\$0	\$5,980
	2nd Layer Branch Markups		\$577	\$3	\$605	\$0	\$0	\$0	\$1,184
	3rd Layer Level Markups		\$723	\$3	\$758	\$0	\$0	\$0	\$1,485
<b>Total Cost for ELECTRICAL</b>			<b>\$4,213</b>	<b>\$20</b>	<b>\$4,417</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,649</b>
			49%	0%	51%	0%	0%	0%	100%



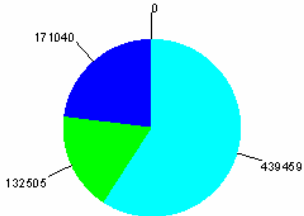


## 2nd Layer Markup Summary Report

The 2<sup>nd</sup> Layer represents cost data for the contractor(s) selected as Prime in Level Properties. This is normally used for the General Contractor, but if multiple Primes are selected amongst peer levels then this report would give a summary for each.

Title		<b>2nd LAYER MARKUP SUMMARY REPORT</b>							
Subject		Reported From: Storage Shed Sample Project							
Author		Project Total: \$743,004							
Manager									
Code	Contractor Description	Hours	Labor	Equip	Material	Other1	Other2	Other3	Total
AA	GENERAL CONTRACTOR								
	Direct Cost	7,906	\$97,998	\$79,354	\$285,694	\$0	\$0	\$0	\$463,046
	Distributions		\$19,741	\$12,250	\$17,522	\$0	\$0	\$0	\$49,513
	Subtotal		\$117,739	\$91,604	\$303,216	\$0	\$0	\$0	\$512,559
	1st Layer Markups assigned to Detail Items		\$508	\$2	\$603	\$0	\$0	\$0	\$1,114
	Subtotal (Cost to Prime)		\$118,247	\$91,607	\$303,818	\$0	\$0	\$0	\$513,672
			19.81%	19.81%	19.81%				19.81%
	2nd Layer Branch Markups		\$23,420	\$18,143	\$60,174	\$0	\$0	\$0	\$101,737
			2.1%	2.1%	2.1%				2.1%
	3rd Layer Level Markups		\$29,372	\$22,755	\$75,467	\$0	\$0	\$0	\$127,594
	<b>Total Cost for GENERAL CONTRACTOR</b>		<b>\$171,040</b>	<b>\$132,505</b>	<b>\$439,459</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$743,004</b>
			23%	18%	59%	0%	0%	0%	100%

Cost Distribution



Percent of Project Total	100.00%
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## Contractor Markup Make-up Report

Each contractor in the estimate is listed regardless of whether or not they have been assigned. All associated markups are listed along with the total compounded percentage.

Code		Contractor/Markup Description	Markup	Add-On Amount	Applied to				
					Labor	Equip	Material	Other1	Other2
AA	GENERAL CONTRACTOR								
	BOND		0.800%		Yes	Yes	Yes	Yes	Yes
	PROFIT		8.050%		Yes	Yes	Yes	Yes	Yes
	SITE OVERHEAD		10.000%		Yes	Yes	Yes	Yes	Yes
* AA	GENERAL CONTRACTOR		Percentages-->	19.81%	19.81%	19.81%	19.81%	19.81%	19.81%
EL	ELECTRICAL								
	HOME OFFICE COST		15.000%		Yes	Yes	Yes	Yes	Yes
	PROFIT		10.000%		Yes	Yes	Yes	Yes	Yes
* EL	ELECTRICAL		Percentages-->	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%

# Contractor Report A

This report first gives a breakdown of costs for each contractor assigned in the estimate (unassigned contractors will not appear). Markups by contractor are then summarized before being totaled.

Title		<b>CONTRACTOR DISTRIBUTION REPORT</b>									
Subject		Reported From: Storage Shed Sample Project									
Author											
Manager											
CONTRACTOR	MARK-UP PERCENT	LABOR HOURS	LABOR	MATERIAL	EQUIPMENT	OTHERS	SUBTOTAL	% MARKUP	% DIRECT COST	% TOTAL COST	
<b>PRIME CONTRACTOR</b>											
DIRECT COST			\$116,007	\$300,981	\$91,715	\$0	\$508,702				
TOTAL FOR PRIME CONTRACTOR		7,835	\$116,007	\$300,981	\$91,715	\$0	\$508,702		99.18%	68.42%	
<b>ELECTRICAL - EL</b>											
DIRECT COST			\$1,918	\$2,275	\$9	\$0	\$4,202				
PROFIT	10.00%		\$192	\$227	\$1	\$0	\$420	10.00%			
HOME OFFICE COST	15.00%		\$316	\$375	\$2	\$0	\$693	15.00%			
TOTAL FOR ELECTRICAL - EL		92	\$2,426	\$2,877	\$12	\$0	\$5,316	26.50%	0.82%	0.57%	
TOTAL DIRECT COST		7,927	\$117,925	\$303,255	\$91,724	\$0	\$512,904		100.00%		
TOTAL SUBCONTRACTOR MARKUPS			\$508	\$603	\$2	\$0	\$1,114			0.15%	
TOTAL COST TO PRIME			\$118,433	\$303,858	\$91,727	\$0	\$514,018				
PRIME CONTRACTOR MARKUP	19.81%		\$23,457	\$60,182	\$18,167	\$0	\$101,806			13.69%	
<b>PROJECT COST BEFORE LEVEL MARK</b>			<b>\$141,890</b>	<b>\$327,315</b>	<b>\$91,727</b>	<b>\$0</b>	<b>\$615,823</b>				
LEVEL MARKUPS	20.73%		\$29,418	\$75,477	\$22,785	\$0	\$127,680			17.17%	
<b>TOTAL PROJECT COST W/LEVEL MARKUPS</b>			<b>\$171,308</b>	<b>\$402,792</b>	<b>\$114,511</b>	<b>\$0</b>	<b>\$743,503</b>				

## Contractor Summary

Each assigned subcontractor is shown with a cost category breakdown of the DIA's they are assigned to.

**CONTRACTOR SUMMARY**  
 Reported From: Storage Shed Sample Project  
 Report Total: \$743,503

<u>DESCRIPTION</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew</u>	<u>LABOR</u>	<u>MATERIAL</u>	<u>EQUIPMENT</u>	<u>OTHERS</u>	<u>TOTAL</u>
<b>EL ELECTRICAL</b>				<i>Percent of Total: 1.16%</i>				
Subtotal				\$2,403	\$2,461	\$11	\$0	\$4,865
1st Layer Markups assigned to Detail Items EL				\$508	\$603	\$2	\$0	\$1,114
2nd Layer Branch Markups (Prime)				\$577	\$605	\$3	\$0	\$1,184
3rd Layer Level Markups				\$723	\$758	\$3	\$0	\$1,485
<b>Subtotal EL ELECTRICAL</b>		92		\$4,212	\$4,417	\$20	\$0	\$8,648

# Crew Make-up Report

Each Crew is displayed with members and hourly contributions.

Title  
Subject  
Author  
Manager

**CREW MAKE-UP REPORT**  
Reported From: Storage Shed Sample Project

Type	Code	Crew/Member Description	Hrs	Adjustment Code	Rate/Hr	Rate \$/Hr	Shift Cost	Productivity Factor
<b>ACARA SMALL TOOLS</b>								
E	EM120	SMALL TOOLS	2.48			\$1.35	\$3.35	1.000
L	LCARP	CARPENTERS	8.00			\$15.72	\$125.76	1.000
L	LCARP	CARPENTERS	2.00	FORM	\$0.50	\$16.22	\$32.44	1.000
* ACARA SMALL TOOLS			10.00			\$16.15	\$162	
<b>ACARB SMALL TOOLS</b>								
E	EM120	SMALL TOOLS	5.28			\$1.35	\$7.13	1.000
L	LCARP	CARPENTERS	16.00			\$15.72	\$251.52	1.000
L	LCARP	CARPENTERS	4.00	FORM	\$0.50	\$16.22	\$64.88	1.000
* ACARB SMALL TOOLS			20.00			\$16.18	\$324	
<b>ACARJ MISC. POWER TOOLS</b>								
E	EM120	SMALL TOOLS	5.04			\$1.35	\$6.80	1.000
E	EM110	MISC. POWER TOOLS	2.00			\$5.68	\$11.36	1.000
L	LLABR	LABORER/HELPER	8.00			\$8.41	\$67.28	1.000
L	LCARP	CARPENTERS	16.00			\$15.72	\$251.52	1.000
L	LCARP	CARPENTERS	8.00	FORM	\$0.50	\$16.22	\$129.76	1.000
* ACARJ MISC. POWER TOOLS			32.00			\$14.59	\$467	
<b>ACARL MISC. POWER TOOLS</b>								
E	EM120	SMALL TOOLS	6.32			\$1.35	\$8.53	1.000
E	EM110	MISC. POWER TOOLS	2.56			\$5.68	\$14.54	1.000
L	LCARP	CARPENTERS	8.00	APPR	(\$3.14)	\$12.58	\$100.61	1.000
L	LLABR	LABORER/HELPER	8.00			\$8.41	\$67.28	1.000

## Crew Resource Report 1

Each Crew assigned as a Resource is summarized in Hours, Rate, Direct and Total Cost.

*Title*  
*Subject*  
*Author*  
*Manager*

**CREW RESOURCE REPORT**  
Reported From: Storage Shed Sample Project

Code	Description	Crew Hours	Crew Rate \$/Hr	Direct Cost Crew	Total Cost Crew	% of Total
ACARA	SMALL TOOLS	211	\$20.19	\$4,252	\$6,528	2.40%
ACARB	SMALL TOOLS	14	\$40.44	\$548	\$841	0.31%
ACARJ	MISC. POWER TOOLS	9	\$58.34	\$523	\$803	0.30%
ACARL	MISC. POWER TOOLS	1	\$71.52	\$54	\$82	0.03%
ACMAC	N/A	74	\$15.69	\$1,168	\$1,791	0.66%
ALABE	SMALL TOOLS	11	\$36.55	\$662	\$1,015	0.37%
ALABM	MISC. POWER TOOLS	3	\$72.91	\$233	\$358	0.13%
AMABA	N/A	2	\$17.52	\$29	\$45	0.02%
AMABG	SMALL TOOLS	31	\$4.33	\$2,163	\$3,321	1.22%
APTRA	N/A	4	\$14.83	\$59	\$91	0.03%
CLACA	AIR COMPR 375CFM W/1 IN. HOSE(20	5	\$53.73	\$293	\$449	0.17%
CODEB	N/A	1	\$61.62	\$61	\$93	0.03%
CODEF	BACKHOE LOADER, 55HP, 1.0 CY F.	119	\$55.54	\$6,950	\$10,602	3.90%
CODEJ	BACKHOE LOADER, 55HP, 1.0 CY F.	1	\$40.16	\$32	\$49	0.02%

# Equipment Make-up Report

All Equipment is displayed in this report. If any items have a markup(s), both the Base Rate and markups are listed along with a summary.

Title  
Subject  
Author  
Manager

**EQUIPMENT MAKE-UP REPORT**  
Reported From: Storage Shed Sample Project

Code	Equipment/Markup Description	Markup	Rate \$/Hr	Productivity Factor
EAI20	AIR COMPR 375CFM W/1 IN. HOSE(20 0FT) (1095)	No Markups; Extended Rate	\$10.02	1.000
EAI70	AIR POWERED TAMPER, 41CFM (1205)	No Markups; Extended Rate	\$0.60	1.000
EBA10	BACKHOE LOADER, 55HP, 1.0 CY F. E. BUCKET (6620)	No Markups; Extended Rate	\$10.58	1.000
EBS10	STREET BROOM 7 FT. TOWED MOTOR D RIVEN SPRINKLER 30 HP. (1435)	No Markups; Extended Rate	\$3.68	1.000
ECR25	CRANE, 22 TON, HYDRAULIC, SP (34 75)	No Markups; Extended Rate	\$23.28	1.000
ECR30	CRANE, 35 TON, TRUCK MTD.(3570)	No Markups; Extended Rate	\$29.26	1.000
ECR50	CRANE, 55 TON, HYDRAULIC, TRK MT D. (3700)	No Markups; Extended Rate	\$38.10	1.000
EDO20	DOZER, 200HP, CAT D-7 W/ U BLADE (8935)+(8950)	No Markups; Extended Rate	\$43.05	1.000
EDU10	DUMP TRUCK, 8 CY, 2AX 29900 GVW (9885)+(10120)	No Markups; Extended Rate	\$11.90	1.000
EDU20	DUMP TRUCK, 12 CY (9895)+(10130)	No Markups; Extended Rate	\$19.26	1.000
EFR10	FRONT END LDR, 1-1/2 CY, TRK. MT D. (5905)	No Markups; Extended Rate	\$18.17	1.000
EFR20	FRONT END LDR, 1-1/2 CY, WHEEL ( 6195)	No Markups; Extended Rate	\$14.08	1.000
EGR20	GRADALL, 1.25CY,TRK MTD (5370)	No Markups; Extended Rate	\$43.59	1.000
EGR30	GRADER, CAT 12G 135 HP (4670)	No Markups; Extended Rate	\$22.75	1.000
EHY20	HYDR. EXCAVATOR, 1 CY, SP, CRAWL ER (5030)	No Markups; Extended Rate	\$27.74	1.000
EHY40	HYDR. EXCAVATOR, 1-1/2CY, SP, CR AWLER (5185)	No Markups; Extended Rate	\$36.44	1.000
EMI10	MISC. POWER TOOLS	No Markups; Extended Rate	\$5.68	1.000
EMI20	SMALL TOOLS	No Markups; Extended Rate	\$1.35	1.000

## Equipment Resource Report 1

Any Equipment items used in the project are displayed with a cost breakdown.

*Title*  
*Subject*  
*Author*  
*Manager*

### EQUIPMENT RESOURCE REPORT

Reported From: Storage Shed Sample Project

Code	Description	Base Rate \$/Hr	Extended Rate \$/Hr	Hours	Crew Adjustments	Direct Cost Equipment	Total Cost Equipment
EAI20	AIR COMPR 375CFM W/1 IN. HOSE(20 0FT) (1095)	\$10.02	\$10.02	6	\$0	\$54	\$82
EAI70	AIR POWERED TAMPER, 41CFM (1205)	\$0.60	\$0.60	104	\$0	\$7	\$10
EBA10	BACKHOE LOADER, 55HP, 1.0 CY F. E. BUCKET (6620)	\$10.58	\$10.58	620	\$0	\$2,707	\$4,102
EBS10	STREET BROOM 7 FT. TOWED MOTOR D RIVEN SPRINKLER 30 HP. (1435)	\$3.68	\$3.68	369	\$0	\$51	\$78
ECR25	CRANE, 22 TON, HYDRAULIC, SP (34 75)	\$23.28	\$23.28	32	\$0	\$677	\$1,025
ECR30	CRANE, 35 TON, TRUCK MTD.(3570)	\$29.26	\$29.26	4	\$0	\$92	\$139
ECR50	CRANE, 55 TON, HYDRAULIC, TRK MT D. (3700)	\$38.10	\$38.10	13	\$0	\$469	\$710
EDO20	DOZER, 200HP, CAT D-7 W U BLADE (8935)+(8950)	\$43.05	\$43.05	357	\$0	\$15,354	\$23,265
EDU10	DUMP TRUCK, 8 CY, 2AX 29900 GVW (9885)+(10120)	\$11.90	\$11.90	260	\$0	\$1,599	\$2,423
EDU20	DUMP TRUCK, 12 CY (9895)+(10130)	\$19.26	\$19.26	497	\$0	\$9,180	\$13,910



# Labor Make-up Report

All Labor rates are displayed in this report. If any Labor items have markup(s), both the Base Rate and markups are listed along with a summary.

Title  
Subject  
Author  
Manager

**LABOR MAKE-UP REPORT**  
Reported From: Storage Shed Sample Project

Code	Labor/Markup Description	Markup	Rate \$/Hr	Productivity Factor
LCARP	CARPENTERS	No Markups; Extended Rate	\$15.72	1.000
LCMAS	CEMENT FINISHERS	No Markups; Extended Rate	\$12.91	1.000
LELEC	ELECTRICIANS	No Markups; Extended Rate	\$23.05	1.000
LIWRE	RODMEN (REINFORCING)	No Markups; Extended Rate	\$12.04	1.000
LIWSS	STRUCT STL WORKERS	No Markups; Extended Rate	\$16.86	1.000
LIWWE	WELDERS, STRUCT STL	No Markups; Extended Rate	\$16.86	1.000
LLABR	LABORER/HELPER	No Markups; Extended Rate	\$8.41	1.000
LMABL	BRICKLAYERS	No Markups; Extended Rate	\$13.70	1.000
LMAHE	BRICKLAYERS HELPER	No Markups; Extended Rate	\$9.59	1.000
LOEHO	EQ OPER, CRANE/SHOVL	No Markups; Extended Rate	\$18.91	1.000
LOELE	EQ OPER, LIGHT	No Markups; Extended Rate	\$10.36	1.000
LOEME	EQ OPER, MEDIUM	No Markups; Extended Rate	\$17.18	1.000
LOEOL	EQ OPER, OILERS	No Markups; Extended Rate	\$14.83	1.000
LPTRO	PAINTERS, ORDINARY	No Markups; Extended Rate	\$11.47	1.000
LSHMT	SHEET METAL WORKERS	No Markups; Extended Rate	\$18.67	1.000
LTDHY	TRUCK DRIVERS, HEAVY	No Markups; Extended Rate	\$7.20	1.000
LXLAB	OUTSIDE LABORER	No Markups; Extended Rate	\$11.54	1.000
LXOEM	OUTSIDE EQUIP. OP. MEDIUM	No Markups; Extended Rate	\$17.18	1.000
LXTDH	OUTSIDE TRUCK DR. HEAVY	No Markups; Extended Rate	\$8.60	1.000
LXTDL	OUTSIDE TRUCK DR. LIGHT	No Markups; Extended Rate	\$8.60	1.000

## Labor Resource Report 1

Any Labor used in the project is displayed with a cost breakdown.

*Title*  
*Subject*  
*Author*  
*Manager*

**LABOR RESOURCE REPORT**  
Reported From: Storage Shed Sample Project

Code	Description	Base Rate \$/Hr	Extended Rate \$/Hr	Hours	Crew Adjustments	Direct Cost Labor	Total Cost Labor
LCARP	CARPENTERS	\$15.72	\$15.72	349	\$34	\$5,518	\$8,474
LCMAS	CEMENT FINISHERS	\$12.91	\$12.91	95	\$4	\$1,224	\$1,880
LELEC	ELECTRICIANS	\$23.05	\$23.05	81	(\$47)	\$1,827	\$3,549
LIWRE	RODMEN (REINFORCING)	\$12.04	\$12.04	9	\$1	\$113	\$173
LIWSS	STRUCT STL WORKERS	\$16.86	\$16.86	336	(\$268)	\$5,406	\$8,302
LIWWE	WELDERS, STRUCT STL	\$16.86	\$16.86	6	\$0	\$106	\$163
LLABR	LABORER/HELPER	\$8.41	\$8.41	2,597	\$132	\$21,976	\$33,788
LMABL	BRICKLAYERS	\$13.70	\$13.70	95	\$16	\$1,318	\$2,024
LMAHE	BRICKLAYERS HELPER	\$9.59	\$9.59	62	\$0	\$594	\$913
LOEHO	EQ OPER, CRANE/SHOVL	\$18.91	\$18.91	162	\$0	\$3,055	\$4,692
LOELE	EQ OPER, LIGHT	\$10.36	\$10.36	266	\$67	\$2,828	\$4,343
LOEME	EQ OPER, MEDIUM	\$17.18	\$17.18	1,652	\$639	\$29,019	\$44,566
LOEOL	EQ OPER, OILERS	\$14.83	\$14.83	129	\$0	\$1,919	\$2,946
LPTRO	PAINTERS, ORDINARY	\$11.47	\$11.47	5	\$1	\$58	\$89
LSHMT	SHEET METAL WORKERS	\$18.67	\$18.67	12	\$1	\$222	\$340
LTDHY	TRUCK DRIVERS, HEAVY	\$7.20	\$7.20	611	\$0	\$4,402	\$6,760
LXLAB	OUTSIDE LABORER	\$11.54	\$11.54	547	\$0	\$6,318	\$9,703

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## Material Resource Report 1

Any Material used in the project is displayed with a cost breakdown. Only Material items with a Base Rate show on the report. If you are using Material Adjustments without a Base Rate, those items will not appear.

*Title*  
*Subject*  
*Author*  
*Manager*

### MATERIAL RESOURCE REPORT

Reported From: Storage Shed Sample Project

Code	Description	Base Rate \$/UM	Extended Rate \$/UM	Qty	UM	Direct Cost Material	Total Cost Material
CT3K	Concrete 3000 PSI	\$85.00	\$85.00	2	CY	\$139	\$212
<b>Total Material Cost</b>						<b>\$139</b>	<b>\$212</b>

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## Prime Contractor Summary Report

This report gives a summary of costs of the Prime contractor. It does NOT include Level markups.

### PRIME CONTRACTOR SUMMARY REPORT

Project Element: Storage Shed Sample Project  
Prime Contractor: GENERAL CONTRACTOR

*Title*  
*Subject*  
*Author*  
*Manager*

Markup Description	Markup	Total
<b>Storage Shed Sample Project</b>		
Cost to Prime for AA GENERAL CONTRACTOR		<b>\$514,018</b>
BOND	0.800%	\$4,112
PROFIT	8.050%	\$41,709
SITE OVERHEAD	10.000%	\$55,984
<b>Total Estimate with Prime Contractor Markups</b>	<b>19.806%</b>	<b>\$615,823</b>

Project Element Note: This is a simple storage shed estimate used primarily as a technical support tool.





## Appendix

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### About U.S. Cost, Inc.

Since 1983, U.S. Cost, Inc. has been in the business of providing construction cost estimating, scheduling and value engineering services, and leading edge computer software to facility owners, designers, and contractors throughout the world.

Our clients—architects, engineers, contractors, government agencies, utilities, and Fortune 500 companies—rely on construction cost management information that is accurate, up-to-date, and easy to access. U.S. Cost, Inc.'s Consulting Services and Integrated Cost Management software puts the information where it belongs—in your hands.

Our services include:

- Construction Cost Estimating
- Value Engineering
- Scheduling
- Software Application Development
- Price Database Development and Conversion
- Software Integration
- Life-Cycle Costing
- Parametric Model Development
- Parametric Estimating
- Construction Inspection/Field Quantity Survey

Our products include The Success Estimator Estimating and Cost Management System for Windows™, the Value Engineering Data Information System (VEDIS), the Cost-To-Complete Environmental Cost Estimating System (CTC), Hazard Analysis System, and other software applications.

U.S. Cost, Inc. is an authorized software developer of Microsoft Corporation, Primavera, Inc., and Autodesk, Inc., as well as resellers of RSMMeans databases, AspenTech Richardson databases, and GTCO digitizers.

U.S. Cost, Inc. has spent the last fourteen years perfecting our team of construction cost management professionals and supplying them with the technology and resources necessary to provide our clients reliable cost information. Cost estimating and management is all about value. Accurate estimates assist engineers, architects, designers, planners, and owners in making decisions that save millions of dollars. If a cost estimate is not based on solid information, the result can be devastating. U.S. Cost, Inc. is a leader in supplying cost estimating to help users manage the cost of their projects and stay within budgets, schedule controls to make sure each job is delivered on time, and provide the software tools that help cost management and project control professionals do their jobs most efficiently.

U.S. Cost, Inc. maintains membership in the following trade associations:

- AACE International – The Association for the Advancement of Cost Engineering
- Society of American Value Engineers (SAVE)
- American Institute of Architects (AIA)
- American Society of Professional Estimators (ASPE)
- American Society of Civil Engineers (ASCE)
- Society of Military Engineers (SAME)
- Construction Specifications Institute (CSI)
- Operations Research Society of America
- American Waterworks Association
- Authorized Developer, Microsoft Corporation
- Authorized Developer, Primavera, Inc.
- Authorized Developer, Autodesk, Inc.

Offices:

- Atlanta, Georgia (Headquarters)
- Dallas, Texas
- Arlington, Virginia
- New York, New York



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## The Success Enterprise Tool

U.S. Cost, Inc. continually updates and improves the Success Enterprise web site at <http://www.esuccessestimator.com>. The site contains up-to-date information about Success Enterprise and other related products, as well as press releases and notices. If you would like to receive information from U.S. Cost, Inc. via e-mail, please drop us a note to [sales@uscost.com](mailto:sales@uscost.com). We will keep you informed of any upcoming service announcements and product releases.

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## The Company Web Site

### **[www.uscost.com](http://www.uscost.com)**

U.S. Cost, Inc. continually updates and improves the corporate Web site. The site contains up-to-date information about our services and products, as well as press releases and notices. Registered users can download product updates directly from the site at any time. If you would like to receive information from U.S. Cost, Inc. via e-mail, please drop us a note to [sales@uscost.com](mailto:sales@uscost.com). We will keep you informed of any upcoming service announcements and product releases.

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## Technical Support

### **Email us**

Send us an email at [techsupport@uscost.com](mailto:techsupport@uscost.com) with as much information about your question or concern as possible and one of our customer service specialists will get back to you as soon as possible.

### **Call us**

We can be reached at 770.481.1600 or toll-free at 1.800.955.1385 between the hours of 8:00 a.m. and 5:00 p.m. Eastern Time, Monday through Friday. In most cases you will be connected directly to one of our customer service specialists. If you are asked to leave a message for call back, please provide as much information as possible about your question or concern so that we can try to resolve your problem in one phone call. If you want to show us a problem you are experiencing on a report, you can also print it out and fax it to us at 770.481.1640.

Table A – Report Data Matrix

Report Name	Levels	D/As	Resources	Cost Category	Unit Cost/Rate	Productivity	Direct Cost	Sub Markups	Distributed	Prime Markup	Level Markups	Total Cost
Detail Report Template 1	x	x	x	x			x	x		x	x	x
Level Report 1 (Crystal)												
Level Report 2 (Crystal)												
Detail Report 1A	x	x	x	x		x	x	x		x	x	x
Detail Report 1B	x	x	x	x		x	x	x		x	x	x
Detail Report 1B – Distributions	x	x	x	x		x	x	x	x	x	x	x
Detail Report 2A	x	x	x	x						x	x	x
Detail Report 2A – Distributions	x	x	x	x				x		x	x	x
Detail Report 3A	x	x	x	x			x	x		x	x	x
Detail Report 4A	x	x			x		x			x	x	x
Detail Report Contractor Grouped		x	x	x								
Detail Report Contractor Grouped Filtered		x	x	x								
Detail Report CSI Grouped		x	x	x								
Level Detail Report 1	x	x		x			x	x		x	x	x
Level Detail Report 1 – Dist	x	x		x			x	x	x	x	x	x
Level Markup Assignment Report	x										x	
Level Report 1	x			x								x
Level Report 2	x				x							x
Bill of Material Report			M		x							
CSI Level 1 Summary				x								x
Facility X CSI Summary	x											x
Productivity Factor Assignments	x				x	x						
Zero Cost Detail Items	x				x							
Formula Assignments to Levels and Details												
Variable Details	x											
1st Layer Markup Summary Report				x			x	X	x	x	x	x
2nd Layer Markup Summary Report				x			x	x	x	X	x	x
Contractor Markup Make-up Report				x				x		x		
Contractor Report A				x			x	x	x	x	x	x
Contractor Summary				x			x	x		x	x	x
Crew Make-Up Report			C		x	x						
Crew Resource Report 1			C		x		x					x
Equipment Make-up Report			E		x	x						
Equipment Resource Report			E		x		x					x
Labor Make-up Report			L		x	x						
Labor Resource Report 1			L		x		x					x
Material Resource Report 1			M		x		x					x
Prime Contractor Summary Report										x		

Table B – Cost Structure

