

ITEM SHEET COSTS  
AS SHOWN

Item: 101  
 Description: Box out excavation  
 Cost Code:  
 Production: DAYS  
 Hours per Day: 8  
 Alternate:

Unit of Measure: CYS  
 Bid Quantity: 2,800.00  
 Take-off Quantity: 3,126.752  
 Total Man-Hours: 280.00  
 Man-Hours per Unit: 0.0895  
 Units / MH: 11.1670

Item Production

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
101	Box out excavation	CYS	3,126.75	625.35 (D)	5.00

Cost Detail for Item 101

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		5.00	256.13	1,280.64
L LAB0002	Skilled laborer	1.00		5.00	246.77	1,233.85
L OPR0001	Class A Operator	1.00		5.00	322.85	1,614.23
L OPR0002	Class B Operator	1.00		5.00	314.53	1,572.63
E LRW-014	Komatsu 220 Backhoe	1.00		5.00	307.00	1,535.00
R DOZER550	Case 550 Dozer	1.00		5.00	333.18	1,665.88
R ROL-DIRT	Roller - Dirt	1.00		5.00	410.63	2,053.13
Z Z	Based on swell factor 1.25					
O TRK0001	haul 1 mile from job site	500.00	cys	1.00	1.66	830.00
S SMC 5402-3760	CERTIFIED WBE	10.00	EA	1.00	425.00	4,250.00
Z Z	Inspector by the book					
L LAB0002	Skilled laborer	3.00		5.00	246.77	3,701.54
<b>Item Unit Cost:</b>		<b>6.31</b>				
					<b>Item Total Cost:</b>	<b>19,736.89</b>

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	9,402.88	1,535.00	3,719.01	0.00	4,250.00	830.00
Unit:	3.01	0.49	1.19	0.00	1.36	0.27

Bid Data for Item: 101

	Quantity	Bid Unit	Bid Amount	Total Cost	Prof & Ovhd	Windfall
Bid Qty:	2,800.00	8.04	22,512.00	17,674.35	4,837.65	
Take-off Qty:	3,126.75	8.04	25,139.09	19,736.89	5,402.19	564.54

ITEM SHEET COSTS  
AS SHOWN

Item: 201.01  
 Description: 8in SDR 35 PVC  
 Cost Code:  
 Production: DAYS  
 Hours per Day: 8  
 Alternate:

Unit of Measure: LF  
 Bid Quantity: 1,730.00  
 Take-off Quantity: 1,730.000  
 Total Man-Hours: 356.00  
 Man-Hours per Unit: 0.2058  
 Units / MH: 4.8596

**Item Production**

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
201.01	8in SDR 35 PVC	LF	1,730.00	300.00 (D)	5.77
201.01.1	8 in SDR 35 PVC 10 ft deep	LF	500.00	200.00	2.50
201.01.2	8 in SDR 35 PVC 15 ft deep		250.00	125.00	2.00
<b>Total Time Req'd:</b>					<b>10.27</b>

**Cost Detail for Item 201.01**

R Code	Description	QTY	U/M	Factor	Rate	Cost
I 201.01.1	8 in SDR 35 PVC 10 ft deep	500.00	LF	1.00	120.04	60,020.54
I 201.01.2	8 in SDR 35 PVC 15 ft deep	250.00		1.00	130.50	32,626.12
<b>Item Unit Cost:</b>		<b>53.55</b>				
					<b>Item Total Cost:</b>	<b>92,646.66</b>

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	11,589.78	2,896.22	8,113.05	65,805.39	0.00	4,242.22
Unit:	6.70	1.67	4.69	38.04	0.00	2.45

**Bid Data for Item: 201.01**

	Quantity	Bid Unit	Bid Amount	Total Cost	Prof & Ovhd	Windfall
Bid Qty:	1,730.00	53.55	92,641.50	92,646.66	-5.16	
Take-off Qty:	1,730.00	53.55	92,641.50	92,646.66	-5.16	0.00

ITEM SHEET COSTS  
AS SHOWN

Item: 201.01.1  
 Description: 8 in SDR 35 PVC 10 ft deep  
 Cost Code:  
 Production: DAYS  
 Hours per Day: 8  
 Alternate:

Unit of Measure: LF  
 Bid Quantity: 0.00  
 Take-off Quantity: 500.000  
 Total Man-Hours: 212.00  
 Man-Hours per Unit: 0.4240  
 Units / MH: 2.3585

**Item Production**

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
201.01.1	8 in SDR 35 PVC 10 ft deep	LF	500.00	200.00 (D)	2.50
sawcut	Sawing pavt	lf	1,000.00	250.00	4.00
<b>Total Time Req'd:</b>					<b>6.50</b>

**Cost Detail for Item 201.01.1**

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		2.50	256.13	640.32
L LAB0004	Pipe Layer	2.00		2.50	249.40	1,247.01
L LAB0002	Skilled laborer	2.00		2.50	246.77	1,233.85
L LAB0003	Basic Laborer	1.00		2.50	238.58	596.45
L OPR0001	Class A Operator	1.00		2.50	322.85	807.11
L OPR0002	Class B Operator	1.00		2.50	314.53	786.32
L TEA0001	Group 2 Teamster	1.00		2.50	231.73	579.33
E LRW-001	Pickup, 3/4 ton	1.00		2.50	37.16	92.90
E LRW-013	10 wh Dump Truck	4.00		2.50	130.00	1,300.00
R HOE-300	Komatsu 300	1.00		2.50	936.88	2,342.19
R LOADER930	Cat 930 RT Loader	1.00		2.50	414.41	1,036.02
R DOZER550	Case 550 Dozer	1.00		2.50	333.18	832.94
R ROL-BOMAG	Roller Bomag walk behind	1.00		2.50	118.44	296.10
M PVC0001	8 in SDR 35 cl2	500.00	lf	1.00	5.25	2,625.00
M AGGR00004	Pea Gravel	61.87	ton	1.00	14.00	866.19
M AGGR00005	Screened Sand	165.37	ton	1.00	7.00	1,157.61
M AGGR00001	Crusher Gravel	2,112.33	ton	1.00	12.00	25,347.92
M ASPH00003	Type 3 Binder Asphalt Concrete	218.75	ton	1.00	62.00	13,562.50
O TRK0001	haul 1 mile from job site	1,703.70	cys	1.00	1.66	2,828.15
I sawcut	Sawing pavt	1,000.00	lf	1.00	1.84	1,842.63
<b>Item Unit Cost:</b>		<b>120.04</b>	<b>Item Total Cost:</b>		<b>60,020.54</b>	

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	6,877.47	1,781.90	4,507.25	44,025.78	0.00	2,828.15
Unit:	13.75	3.56	9.01	88.05	0.00	5.66

ITEM SHEET COSTS  
AS SHOWN

Item:	sawcut	Unit of Measure:	lf
Description:	Sawing pavt	Bid Quantity:	0.00
Cost Code:		Take-off Quantity:	1.000
Production:	DAYS	Total Man-Hours:	0.03
Hours per Day:	8	Man-Hours per Unit:	0.0320
Alternate:		Units / MH:	31.2500

**Item Production**

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
sawcut	Sawing pavt	lf	1.00	250.00 (D)	0.00

**Cost Detail for Item sawcut**

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0002	Skilled laborer	1.00		0.00	246.77	0.99
E LRW-007	Road Saw	1.00		0.00	97.25	0.39
M SAW000001	Saw Blades Abrasive 18in conc.	0.01	ea	1.00	35.00	0.47
<b>Item Unit Cost:</b>		<b>1.84</b>	<b>Item Total Cost:</b>		<b>1.84</b>	

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	987.08	389.00	0.00	466.55	0.00	0.00
Unit:	987.08	389.00	0.00	466.55	0.00	0.00

ITEM SHEET COSTS  
AS SHOWN

Item: 201.01.2  
 Description: 8 in SDR 35 PVC 15 ft deep  
 Cost Code:  
 Production: DAYS  
 Hours per Day: 8  
 Alternate:

Unit of Measure:  
 Bid Quantity: 0.00  
 Take-off Quantity: 250.000  
 Total Man-Hours: 144.00  
 Man-Hours per Unit: 0.5760  
 Units / MH: 1.7361

**Item Production**

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
201.01.2	8 in SDR 35 PVC 15 ft deep		250.00	125.00 (D)	2.00

**Cost Detail for Item 201.01.2**

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		2.00	256.13	512.26
L LAB0004	Pipe Layer	2.00		2.00	249.40	997.61
L LAB0002	Skilled laborer	2.00		2.00	246.77	987.08
L LAB0003	Basic Laborer	1.00		2.00	238.58	477.16
L OPR0001	Class A Operator	1.00		2.00	322.85	645.69
L OPR0002	Class B Operator	1.00		2.00	314.53	629.05
L TEA0001	Group 2 Teamster	1.00		2.00	231.73	463.47
E LRW-001	Pickup, 3/4 ton	1.00		2.00	37.16	74.32
E LRW-013	10 wh Dump Truck	4.00		2.00	130.00	1,040.00
R HOE-300	Komatsu 300	1.00		2.00	936.88	1,873.75
R LOADER930	Cat 930 RT Loader	1.00		2.00	414.41	828.82
R DOZER550	Case 550 Dozer	1.00		2.00	333.18	666.35
R ROL-BOMAG	Roller Bomag walk behind	1.00		2.00	118.44	236.88
M PVC0001	8 in SDR 35 cl2	250.00	lf	1.00	5.25	1,312.50
M AGGR00004	Pea Gravel	30.94	ton	1.00	14.00	433.10
M AGGR00005	Screened Sand	82.69	ton	1.00	7.00	578.81
M AGGR00001	Crusher Gravel	1,056.16	ton	1.00	12.00	12,673.96
M ASPH00003	Type 3 Binder Asphalt Concrete	109.38	ton	1.00	62.00	6,781.25
O TRK0001	haul 1 mile from job site	851.85	cys	1.00	1.66	1,414.07
<b>Item Unit Cost:</b>		<b>130.50</b>			<b>Item Total Cost:</b>	<b>32,626.12</b>

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	4,712.31	1,114.32	3,605.80	21,779.61	0.00	1,414.07
Unit:	18.85	4.46	14.42	87.12	0.00	5.66

ITEM SHEET COSTS  
AS SHOWN

Item: 301.05  
Description: Subbase  
Cost Code:  
Production: DAYS  
Hours per Day: 8  
Alternate:

Unit of Measure: SY  
Bid Quantity: 6,700.00  
Take-off Quantity: 6,700.000  
Total Man-Hours: 280.00  
Man-Hours per Unit: 0.0418  
Units / MH: 23.9286

**Item Production**

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
301.05	Subbase	SY	6,700.00	0.00 (D)	0.00
301.05.1	Rough grade	SY	6,700.00	2,680.00	2.50
301.05.2	Fine Grade	SY	6,700.00	1,675.00	4.00
<b>Total Time Req'd:</b>					<b>6.50</b>

**Cost Detail for Item 301.05**

R Code	Description	QTY	U/M	Factor	Rate	Cost
I 301.05.1	Rough grade	6,700.00	SY	1.00	4.65	31,178.79
I 301.05.2	Fine Grade	6,700.00	SY	1.00	1.74	11,685.84
<b>Item Unit Cost:</b>		<b>6.40</b>	<b>Item Total Cost:</b>		<b>42,864.63</b>	

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	10,052.62	241.54	9,122.46	23,448.00	0.00	0.00
Unit:	1.50	0.04	1.36	3.50	0.00	0.00

**Bid Data for Item: 301.05**

	Quantity	Bid Unit	Bid Amount	Total Cost	Prof & Ovhd	Windfall
Bid Qty:	6,700.00	6.40	42,880.00	42,864.63	15.37	
Take-off Qty:	6,700.00	6.40	42,880.00	42,864.63	15.37	0.00

ITEM SHEET COSTS  
AS SHOWN

Item:	301.05.1	Unit of Measure:	SY
Description:	Rough grade	Bid Quantity:	0.00
Cost Code:		Take-off Quantity:	6,700.000
Production:	DAYS	Total Man-Hours:	120.00
Hours per Day:	8	Man-Hours per Unit:	0.0179
Alternate:		Units / MH:	55.8333

**Item Production**

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
301.05.1	Rough grade	SY	6,700.00	2,680.00 (D)	2.50

**Cost Detail for Item 301.05.1**

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		2.50	256.13	640.32
L LAB0003	Basic Laborer	1.00		2.50	238.58	596.45
L LAB0002	Skilled laborer	1.00		2.50	246.77	616.92
L OPR0001	Class A Operator	1.00		2.50	322.85	807.11
L OPR0002	Class B Operator	2.00		2.50	314.53	1,572.63
E LRW-001	Pickup, 3/4 ton	1.00		2.50	37.16	92.90
R DOZER-D6	Cat D6 Dozer	1.00		2.50	536.75	1,341.87
R LOADER930	Cat 930 RT Loader	1.00		2.50	414.41	1,036.02
R ROL-DIRT	Roller - Dirt	1.00		2.50	410.63	1,026.56
M AGGR00001	Crusher Gravel	1,954.00	ton	1.00	12.00	23,448.00
<b>Item Unit Cost:</b>		<b>4.65</b>			<b>Item Total Cost:</b>	<b>31,178.79</b>

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	4,233.44	92.90	3,404.45	23,448.00	0.00	0.00
Unit:	0.63	0.01	0.51	3.50	0.00	0.00

ITEM SHEET COSTS  
AS SHOWN

Item: 301.05.2  
Description: Fine Grade  
Cost Code:  
Production: DAYS  
Hours per Day: 8  
Alternate:

Unit of Measure: SY  
Bid Quantity: 0.00  
Take-off Quantity: 6,700.000  
Total Man-Hours: 160.00  
Man-Hours per Unit: 0.0239  
Units / MH: 41.8750

**Item Production**

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
301.05.2	Fine Grade	SY	6,700.00	1,675.00 (D)	4.00

**Cost Detail for Item 301.05.2**

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		4.00	256.13	1,024.51
L LAB0002	Skilled laborer	1.00		4.00	246.77	987.08
L OPR0001	Class A Operator	1.00		4.00	322.85	1,291.38
L OPR0002	Class B Operator	2.00		4.00	314.53	2,516.21
E LRW-001	Pickup, 3/4 ton	1.00		4.00	37.16	148.64
R GRADER12G	Cat 12G Grader	1.00		4.00	604.47	2,417.88
R LOADER930	Cat 930 RT Loader	1.00		4.00	414.41	1,657.63
R ROL-DIRT	Roller - Dirt	1.00		4.00	410.63	1,642.50
<b>Item Unit Cost:</b>		<b>1.74</b>			<b>Item Total Cost:</b>	<b>11,685.84</b>

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	5,819.18	148.64	5,718.01	0.00	0.00	0.00
Unit:	0.87	0.02	0.85	0.00	0.00	0.00



ITEM SHEET COSTS  
AS SHOWN

Item: 401.01  
Description: Base Asphalt  
Cost Code:  
Production: DAYS  
Hours per Day: 8  
Alternate:

Unit of Measure: TONS  
Bid Quantity: 1,120.00  
Take-off Quantity: 1,000.000  
Total Man-Hours: 128.00  
Man-Hours per Unit: 0.1280  
Units / MH: 7.8125

Item Production

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
401.01	Base Asphalt	TONS	1,000.00	500.00 (D)	2.00

Cost Detail for Item 401.01

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		2.00	256.13	512.26
L LAB0002	Skilled laborer	2.00		2.00	246.77	987.08
L LAB0003	Basic Laborer	1.00		2.00	238.58	477.16
L LAB0005	Asphalt Raker	1.00		2.00	249.40	498.80
L OPR0001	Class A Operator	1.00		2.00	322.85	645.69
L OPR0002	Class B Operator	2.00		2.00	314.53	1,258.11
E LRW-001	Pickup, 3/4 ton	1.00		2.00	37.16	74.32
R ROL-ASPH	Roller - Asphalt	2.00		2.00	464.63	1,858.50
R PAVER-ASP	Asphalt Paver	1.00		2.00	969.90	1,939.80
M ASPH00003	Type 3 Binder Asphalt Concrete	1,000.00	ton	1.00	62.00	62,000.00
Z Z	3 inches of Base Asphalt					
S HAUL00001	Ton Trailers	1,000.00	ton	1.00	2.50	2,500.00
<b>Item Unit Cost:</b>		<b>72.75</b>			<b>Item Total Cost:</b>	<b>72,751.71</b>

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	4,379.09	74.32	3,798.30	62,000.00	2,500.00	0.00
Unit:	4.38	0.07	3.80	62.00	2.50	0.00

Bid Data for Item: 401.01

	Quantity	Bid Unit	Bid Amount	Total Cost	Prof & Ovhd	Windfall
Bid Qty:	1,120.00	72.75	81,480.00	81,481.92	-1.92	
Take-off Qty:	1,000.00	72.75	72,750.00	72,751.71	-1.71	0.21

ITEM SHEET COSTS  
AS SHOWN

Item: 501.01  
 Description: Top Asphalt Course  
 Cost Code:  
 Production: DAYS  
 Hours per Day: 8  
 Alternate:

Unit of Measure: TONS  
 Bid Quantity: 410.00  
 Take-off Quantity: 410.000  
 Total Man-Hours: 264.00  
 Man-Hours per Unit: 0.6439  
 Units / MH: 1.5530

**Item Production**

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
501.01	Top Asphalt Course	TONS	410.00	136.67 (D)	3.00

**Cost Detail for Item 501.01**

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		3.00	256.13	768.38
L LAB0002	Skilled laborer	2.00		3.00	246.77	1,480.61
L LAB0003	Basic Laborer	2.00		3.00	238.58	1,431.48
L LAB0005	Asphalt Raker	2.00		3.00	249.40	1,496.41
L OPR0001	Class A Operator	1.00		3.00	322.85	968.54
L OPR0002	Class B Operator	3.00		3.00	314.53	2,830.74
E LRW-001	Pickup, 3/4 ton	2.00		3.00	37.16	222.96
R PAVER-ASP	Asphalt Paver	1.00		3.00	969.90	2,909.70
R ROL-ASPH	Roller - Asphalt	3.00		3.00	464.63	4,181.63
M ASPH0007F	Type 7F Top Course (HF) Asph.	430.50	ton	1.00	78.00	33,579.00
Z Z	1 1/2 inches of top					
S SMC 5402-3760	CERTIFIED WBE	4.00	EA	1.00	325.00	1,300.00
<b>Item Unit Cost:</b>		<b>124.80</b>			<b>Item Total Cost:</b>	<b>51,169.45</b>

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	8,976.17	222.96	7,091.33	33,579.00	1,300.00	0.00
Unit:	21.89	0.54	17.30	81.90	3.17	0.00

**Bid Data for Item: 501.01**

	Quantity	Bid Unit	Bid Amount	Total Cost	Prof & Ovhd	Windfall
Bid Qty:	410.00	119.61	49,040.10	51,169.45	-2,129.35	
Take-off Qty:	410.00	119.61	49,040.10	51,169.45	-2,129.35	0.00

ITEM SHEET COSTS  
AS SHOWN

Item: 600  
 Description: Fixed price Item  
 Cost Code:  
 Production: DAYS  
 Hours per Day: 8  
 Alternate: Alternate #1

Unit of Measure: Fixed Price  
 Bid Quantity: 1.00  
 Take-off Quantity: 1.000  
 Total Man-Hours: 0.00  
 Man-Hours per Unit: 0.0000  
 Units / MH: 0.0000

**Item Production**

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
600	Fixed price Item	Fixed Price	1.00	0.00 (D)	0.00

**Cost Detail for Item 600**

R Code	Description	QTY	U/M	Factor	Rate	Cost
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Item Unit Cost: 0.00

Item Total Cost:

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	0.00	0.00	0.00	0.00	0.00	0.00
Unit:	0.00	0.00	0.00	0.00	0.00	0.00

**Bid Data for Item: 600**

	Quantity	Bid Unit	Bid Amount	Total Cost	Prof & Ovhd	Windfall
Bid Qty:	1.00	300.00	300.00	0.00	300.00	
Take-off Qty:	1.00	300.00	300.00	0.00	300.00	0.00

ITEM SHEET COSTS  
AS SHOWN

Item: INDIRECT  
 Description: INDIRECT ITEM  
 Cost Code:  
 Production: DAYS  
 Hours per Day: 8  
 Alternate:

Unit of Measure:  
 Bid Quantity: 1.00  
 Take-off Quantity: 1.000  
 Total Man-Hours: 0.00  
 Man-Hours per Unit: 0.0000  
 Units / MH: 0.0000

**Item Production**

ITEM#	DESCRIPTION	U/M	QTY	Time Units	Time Req'd
INDIRECT	INDIRECT ITEM		1.00	0.00 (D)	0.00

**Cost Detail for Item INDIRECT**

R Code	Description	QTY	U/M	Factor	Rate	Cost
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Item Unit Cost: 0.00

Item Total Cost: \_\_\_\_\_

	Labor	Equipment	Rental Eq	Material	Subcontract	Other
Total:	0.00	0.00	0.00	0.00	0.00	0.00
Unit:	0.00	0.00	0.00	0.00	0.00	0.00