

ITEM SHEET COSTS  
WORK SHEET

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  
 Units / Day: 625.35  
 Days Reqd: 5.00  
 Total Man-Hours: 280.00  
 Man-Hours per Unit: 0.0895  
 Units / MH: 11.1670

Cost Detail for Item 101

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		5.00		
L LAB0002	Skilled laborer	1.00		5.00		
L OPR0001	Class A Operator	1.00		5.00		
L OPR0002	Class B Operator	1.00		5.00		
E LRW-014	Komatsu 220 Backhoe	1.00		5.00		
R DOZER550	Case 550 Dozer	1.00		5.00		
R ROL-DIRT	Roller - Dirt	1.00		5.00		
<b>Based on swell factor 1.25</b>						
O TRK0001	haul 1 mile from job site	500.00	cys	1.00		
S SMC 5402-3760	CERTIFIED WBE	10.00	EA	1.00		
<b>Inspector by the book</b>						
L LAB0002	Skilled laborer	3.00		5.00		

ITEM SHEET COSTS  
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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  
 Units / Day: 300.00  
 Days Req'd: 5.77  
 Total Man-Hours: 356.00  
 Man-Hours per Unit: 0.2058  
 Units / MH: 4.8596

Items Combined into Item: 201.01

ITEM#	DESCRIPTION	U/M	Bid Qty	T/O Qty	Time Units	Time Req'd
201.01.1	8 in SDR 35 PVC 10 ft deep	LF	0.00	500.00	200.00 (D)	2.50
201.01.2	8 in SDR 35 PVC 15 ft deep		0.00	250.00	125.00 (D)	2.00

Cost Detail for Item 201.01

R Code	Description	QTY	U/M	Factor	Rate	Cost
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Cost Detail for Combined Items in 201.01

R Code	Description	QTY	U/M	Factor	Rate	Cost
I 201.01.1	8 in SDR 35 PVC 10 ft deep	1.00	LF	1.00		
I 201.01.2	8 in SDR 35 PVC 15 ft deep	1.00		1.00		

ITEM SHEET COSTS  
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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  
Units / Day: 200.00  
Days Req'd: 2.50  
Total Man-Hours: 212.00  
Man-Hours per Unit: 0.4240  
Units / MH: 2.3585

Items Combined into Item: 201.01.1

ITEM#	DESCRIPTION	U/M	Bid Qty	T/O Qty	Time Units	Time Req'd
sawcut	Sawing pavt	lf	0.00	1.00	250.00 (D)	4.00

Cost Detail for Item 201.01.1

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		2.50		
L LAB0004	Pipe Layer	2.00		2.50		
L LAB0002	Skilled laborer	2.00		2.50		
L LAB0003	Basic Laborer	1.00		2.50		
L OPR0001	Class A Operator	1.00		2.50		
L OPR0002	Class B Operator	1.00		2.50		
L TEA0001	Group 2 Teamster	1.00		2.50		
E LRW-001	Pickup, 3/4 ton	1.00		2.50		
E LRW-013	10 wh Dump Truck	4.00		2.50		
R HOE-300	Komatsu 300	1.00		2.50		
R LOADER930	Cat 930 RT Loader	1.00		2.50		
R DOZER550	Case 550 Dozer	1.00		2.50		
R ROL-BOMAG	Roller Bomag walk behind	1.00		2.50		
M PVC0001	8 in SDR 35 cl2	500.00	lf	1.00		
M AGGR00004	Pea Gravel	61.87	ton	1.00		
M AGGR00005	Screened Sand	165.37	ton	1.00		
M AGGR00001	Crusher Gravel	2112.33	ton	1.00		
M ASPH00003	Type 3 Binder Asphalt Concrete	218.75	ton	1.00		
O TRK0001	haul 1 mile from job site	1703.70	cys	1.00		

Cost Detail for Combined Items in 201.01.1

R Code	Description	QTY	U/M	Factor	Rate	Cost
I sawcut	Sawing pavt	1.00	lf	1.00		

ITEM SHEET COSTS  
WORK SHEET

Item: sawcut  
 Description: Sawing pavt  
 Cost Code:  
 Production: DAYS  
 Hours per Day: 8  
 Alternate:

Unit of Measure: lf  
 Bid Quantity: 0.00  
 Take-off Quantity: 1.000  
 Units / Day: 250.00  
 Days Reqd: 0.00  
 Total Man-Hours: 0.03  
 Man-Hours per Unit: 0.0320  
 Units / MH: 31.2500

<b>Cost Detail for Item sawcut</b>
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R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0002	Skilled laborer	1.00		0.00		
E LRW-007	Road Saw	1.00		0.00		
M SAW000001	Saw Blades Abrasive 18in conc.	0.01	ea	1.00		

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  
 Units / Day: 125.00  
 Days Req'd: 2.00  
 Total Man-Hours: 144.00  
 Man-Hours per Unit: 0.5760  
 Units / MH: 1.7361

Cost Detail for Item 201.01.2						
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R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		2.00		
L LAB0004	Pipe Layer	2.00		2.00		
L LAB0002	Skilled laborer	2.00		2.00		
L LAB0003	Basic Laborer	1.00		2.00		
L OPR0001	Class A Operator	1.00		2.00		
L OPR0002	Class B Operator	1.00		2.00		
L TEA0001	Group 2 Teamster	1.00		2.00		
E LRW-001	Pickup, 3/4 ton	1.00		2.00		
E LRW-013	10 wh Dump Truck	4.00		2.00		
R HOE-300	Komatsu 300	1.00		2.00		
R LOADER930	Cat 930 RT Loader	1.00		2.00		
R DOZER550	Case 550 Dozer	1.00		2.00		
R ROL-BOMAG	Roller Bomag walk behind	1.00		2.00		
M PVC0001	8 in SDR 35 cl2	250.00	lf	1.00		
M AGGR00004	Pea Gravel	30.94	ton	1.00		
M AGGR00005	Screened Sand	82.69	ton	1.00		
M AGGR00001	Crusher Gravel	1056.16	ton	1.00		
M ASPH00003	Type 3 Binder Asphalt Concrete	109.38	ton	1.00		
O TRK0001	haul 1 mile from job site	851.85	cys	1.00		

ITEM SHEET COSTS  
WORK SHEET

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  
Units / Day: 0.00  
Days Req'd: 0.00  
Total Man-Hours: 280.00  
Man-Hours per Unit: 0.0418  
Units / MH: 23.9286

Items Combined into Item: 301.05

ITEM#	DESCRIPTION	U/M	Bid Qty	T/O Qty	Time Units	Time Req'd
301.05.1	Rough grade	SY	0.00	6,700.00	2,680.00 (D)	2.50
301.05.2	Fine Grade	SY	0.00	6,700.00	1,675.00 (D)	4.00

Cost Detail for Item 301.05

R Code	Description	QTY	U/M	Factor	Rate	Cost
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Cost Detail for Combined Items in 301.05

R Code	Description	QTY	U/M	Factor	Rate	Cost
I 301.05.1	Rough grade	1.00	SY	1.00		
I 301.05.2	Fine Grade	1.00	SY	1.00		

ITEM SHEET COSTS  
WORK SHEET

Item: 301.05.1  
 Description: Rough grade  
 Cost Code:  
 Production: DAYS  
 Hours per Day: 8  
 Alternate:

Unit of Measure: SY  
 Bid Quantity: 0.00  
 Take-off Quantity: 6,700.000  
 Units / Day: 2,680.00  
 Days Reqd: 2.50  
 Total Man-Hours: 120.00  
 Man-Hours per Unit: 0.0179  
 Units / MH: 55.8333

Cost Detail for Item 301.05.1

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		2.50		
L LAB0003	Basic Laborer	1.00		2.50		
L LAB0002	Skilled laborer	1.00		2.50		
L OPR0001	Class A Operator	1.00		2.50		
L OPR0002	Class B Operator	2.00		2.50		
E LRW-001	Pickup, 3/4 ton	1.00		2.50		
R DOZER-D6	Cat D6 Dozer	1.00		2.50		
R LOADER930	Cat 930 RT Loader	1.00		2.50		
R ROL-DIRT	Roller - Dirt	1.00		2.50		
M AGGR00001	Crusher Gravel	1954.00	ton	1.00		

ITEM SHEET COSTS  
WORK SHEET

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  
 Units / Day: 1,675.00  
 Days Req'd: 4.00  
 Total Man-Hours: 160.00  
 Man-Hours per Unit: 0.0239  
 Units / MH: 41.8750

Cost Detail for Item 301.05.2

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		4.00		
L LAB0002	Skilled laborer	1.00		4.00		
L OPR0001	Class A Operator	1.00		4.00		
L OPR0002	Class B Operator	2.00		4.00		
E LRW-001	Pickup, 3/4 ton	1.00		4.00		
R GRADER12G	Cat 12G Grader	1.00		4.00		
R LOADER930	Cat 930 RT Loader	1.00		4.00		
R ROL-DIRT	Roller - Dirt	1.00		4.00		



ITEM SHEET COSTS  
WORK SHEET

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  
 Units / Day: 500.00  
 Days Req'd: 2.00  
 Total Man-Hours: 128.00  
 Man-Hours per Unit: 0.1280  
 Units / MH: 7.8125

Cost Detail for Item 401.01

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		2.00		
L LAB0002	Skilled laborer	2.00		2.00		
L LAB0003	Basic Laborer	1.00		2.00		
L LAB0005	Asphalt Raker	1.00		2.00		
L OPR0001	Class A Operator	1.00		2.00		
L OPR0002	Class B Operator	2.00		2.00		
E LRW-001	Pickup, 3/4 ton	1.00		2.00		
R ROL-ASPH	Roller - Asphalt	2.00		2.00		
R PAVER-ASP	Asphalt Paver	1.00		2.00		
M ASPH00003	Type 3 Binder Asphalt Concrete	1000.00	ton	1.00		
	<b>3 inches of Base Asphalt</b>					
S HAUL00001	Ton Trailers	1000.00	ton	1.00		

ITEM SHEET COSTS  
WORK SHEET

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  
 Units / Day: 136.67  
 Days Req'd: 3.00  
 Total Man-Hours: 264.00  
 Man-Hours per Unit: 0.6439  
 Units / MH: 1.5530

Cost Detail for Item 501.01

R Code	Description	QTY	U/M	Factor	Rate	Cost
L LAB0001	Foreman	1.00		3.00		
L LAB0002	Skilled laborer	2.00		3.00		
L LAB0003	Basic Laborer	2.00		3.00		
L LAB0005	Asphalt Raker	2.00		3.00		
L OPR0001	Class A Operator	1.00		3.00		
L OPR0002	Class B Operator	3.00		3.00		
E LRW-001	Pickup, 3/4 ton	2.00		3.00		
R PAVER-ASP	Asphalt Paver	1.00		3.00		
R ROL-ASPH	Roller - Asphalt	3.00		3.00		
M ASPH0007F	Type 7F Top Course (HF) Asph.	430.50	ton	1.00		
	<b>1 1/2 inches of top</b>					
S SMC 5402-3760€	CERTIFIED WBE	4.00	EA	1.00		

ITEM SHEET COSTS  
WORK SHEET

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  
Units / Day: 0.00  
Days Req'd: 0.00  
Total Man-Hours: 0.00  
Man-Hours per Unit: 0.0000  
Units / MH: 0.0000

Cost Detail for Item 600

R Code	Description	QTY	U/M	Factor	Rate	Cost
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ITEM SHEET COSTS  
WORK SHEET

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  
Units / Day: 0.00  
Days Req'd: 0.00  
Total Man-Hours: 0.00  
Man-Hours per Unit: 0.0000  
Units / MH: 0.0000

Cost Detail for Item INDIRECT

R Code	Description	QTY	U/M	Factor	Rate	Cost
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