



SOFTWARE

B2W Software, Inc.
 Martingale Wharf
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SAMPLE REPORT

Crew Template Resource Detail

Equipment Rate Class: Standard
Labor Rate Class: Standard 2019

Crew Name	Work Type Work Rule	Job Cost ID	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: (None)

Abrasives Blasting Crew (small)		Blasting	8.00	8.00	10.00
		6 Ten Hour Days	1,333.33 SF/DY		
<u>Description</u>		<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>	
Foreman		Same as Lab. HR/DY	HR	\$63.75	
Laborer		Same as Lab. HR/DY	HR	\$39.76	
Painter/Blaster [2]		Same as Lab. HR/DY	HR	\$37.71	
AIR COMPRESSOR 375		Same as Eq. HR/DY	HR	\$14.41	
				Per HR	Per DY
Equipment Total				\$14.41	\$115.31
Labor Total				\$223.66	\$1,789.26
Crew Total				\$238.07	\$1,904.57

Aggregate Base Placement Crew		Earthwork	8.00	8.00	10.00
			900.00 TON/DY		
<u>Description</u>		<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>	
JD 550 Excavator		Same as Eq. HR/DY	HR	\$92.55	
Excavator Operator		Same as Lab. HR/DY	HR	\$40.74	
CAT 560 Loader		Same as Eq. HR/DY	HR	\$78.66	
Loader Operator		Same as Lab. HR/DY	HR	\$42.43	
Laborer		Same as Lab. HR/DY	HR	\$37.72	
Foreman		Same as Lab. HR/DY	HR	\$58.83	
				Per HR	Per DY
Equipment Total				\$171.21	\$1,369.71
Labor Total				\$224.66	\$1,797.26
Crew Total				\$395.87	\$3,166.97

Asbestos Abatement Crew		Abatement	8.00	10.00	10.00
			500.00 SF/DY		
<u>Description</u>		<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>	
HEPA Vac		Same as Eq. HR/DY	HR	\$63.29	
Scissor Lift		Same as Eq. HR/DY	HR	\$46.79	
Negative Air Machine (HOG)		Same as Eq. HR/DY	HR	\$39.09	
Foreman		Same as Lab. HR/DY	HR	\$58.83	
Laborer		Same as Lab. HR/DY	HR	\$37.72	
Operator [2]		Same as Lab. HR/DY	HR	\$35.37	







Crew Name	Work Type Work Rule	Job Cost ID Default Production Rates	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: (None) (Continued)

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$186.46	\$1,491.67
Labor Total	\$209.11	\$1,672.88
Crew Total	\$395.57	\$3,164.55

 Cabling/Conduit Crew Electrical 10.00 10.00 10.00




600.00 LF/DY

Description	HR/DY	Per	Unit Cost
 Foreman	Same as Lab. HR/DY	HR	\$58.83
 Laborer	Same as Lab. HR/DY	HR	\$37.72
 Operator	Same as Lab. HR/DY	HR	\$35.37
 Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74
 E337 Mini Excavator	Same as Eq. HR/DY	HR	\$83.54
 Operator	Same as Lab. HR/DY	HR	\$35.37

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$100.28	\$1,002.78
Labor Total	\$167.29	\$1,672.88
Crew Total	\$267.57	\$2,675.66





 Compaction / Proof Rolling Earthwork 10.00 10.00 10.00

1.00 PH/HR, 300.00 SY/PH

Description	HR/DY	Per	Unit Cost
 CAT Roller 10 Ton	Same as Eq. HR/DY	HR	\$44.24
 Roller Operator	Same as Lab. HR/DY	HR	\$36.25
 Foreman	Same as Lab. HR/DY	HR	\$58.83

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$44.24	\$442.39
Labor Total	\$95.08	\$950.83
Crew Total	\$139.32	\$1,393.22




 Concrete Cure Concrete 10.00 10.00 10.00

Description	HR/DY	Per	Unit Cost
 4000 Gallon Water Truck	Same as Eq. HR/DY	HR	\$50.14
 Water Distribution (hoses/sprinklers)	Same as Eq. HR/DY	HR	\$10.00
 Foreman	Same as Lab. HR/DY	HR	\$58.83
 Laborer [3]	Same as Lab. HR/DY	HR	\$37.72

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$60.14	\$601.39
Labor Total	\$172.00	\$1,719.97
Crew Total	\$232.14	\$2,321.36

 Concrete Pour Crew Concrete 1200 10.00 10.00

50.00 CY/DY

Description	HR/DY	Per	Unit Cost
 Foreman	Same as Lab. HR/DY	HR	\$58.83
 Laborer [2]	Same as Lab. HR/DY	HR	\$37.72
 Concrete Mixer	Same as Eq. HR/DY	HR	\$69.59

Crew Name	Work Type Work Rule	Job Cost ID	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: (None) (Continued)

Description	HR/DY	Per	Unit Cost
Concrete Finisher	Same as Lab. HR/DY	HR	\$45.08
Ford F-350 Pick Up	Same as Eq. HR/DY	HR	\$30.50

	Per HR	Per DY
Equipment Total	\$100.09	\$1,000.89
Labor Total	\$179.36	\$1,793.59
Crew Total	\$279.45	\$2,794.48

Demolition Crew **Demolition** **8.00** **8.00** **10.00**
4 Ten Hour Days **150.00 SF/PH, 2,000.00 CY/DY**

Description	HR/DY	Per	Unit Cost
Foreman	Same as Lab. HR/DY	HR	\$56.67
Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$17.36
2011 LINK-BELT CONST. TCC-750 W / Wrecking Ball	Same as Eq. HR/DY	HR	\$176.31
Crane Operator	Same as Lab. HR/DY	HR	\$37.47
CAT 963 Loader	Same as Eq. HR/DY	HR	\$59.91
Loader Operator	Same as Lab. HR/DY	HR	\$41.75
Excavator Operator	Same as Lab. HR/DY	HR	\$40.22
CAT D 10N Dozer	Same as Eq. HR/DY	HR	\$69.81
Dozer Operator	Same as Lab. HR/DY	DY	\$314.48
Laborer	Same as Lab. HR/DY	HR	\$37.47

	Per HR	Per DY
Equipment Total	\$323.41	\$2,587.25
Labor Total	\$306.29	\$2,450.36
Crew Total	\$629.70	\$5,037.61

Ductile Iron Pipe Crew **Pipe** **10.00** **10.00** **10.00**

Description	HR/DY	Per	Unit Cost
Foreman	Same as Lab. HR/DY	HR	\$58.83
E320 Excavator	Same as Eq. HR/DY	HR	\$41.75
Operator	Same as Lab. HR/DY	HR	\$35.37
938 Wheeled Loader	Same as Eq. HR/DY	HR	\$111.04
Operator	Same as Lab. HR/DY	HR	\$35.37
C305 Walk Behind Compactor	Same as Eq. HR/DY	HR	\$39.54
Operator	Same as Lab. HR/DY	HR	\$35.37

	Per HR	Per DY
Equipment Total	\$192.33	\$1,923.28
Labor Total	\$164.93	\$1,649.34
Crew Total	\$357.26	\$3,572.62

Erect Structures **Misc** **10.00** **10.00** **10.00**
3.00 EACH/DY

Description	HR/DY	Per	Unit Cost
50 Ton Crane	Same as Eq. HR/DY	HR	\$171.90
Crew Truck [3]	Same as Eq. HR/DY	HR	\$15.99
Forklift	Same as Eq. HR/DY	HR	\$15.26
Foreman	Same as Lab. HR/DY	HR	\$58.83
Lineman [3]	Same as Lab. HR/DY	HR	\$45.08

Crew Name	Work Type Work Rule	Job Cost ID Default Production Rates	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: (None) (Continued)

Description	HR/DY	Per	Unit Cost
Apprentice [2]	Same as Lab. HR/DY	HR	\$13.00
Groundmen [2]	Same as Lab. HR/DY	HR	\$38.21

	Per HR	Per DY
Equipment Total	\$235.13	\$2,351.31
Labor Total	\$296.50	\$2,965.02
Crew Total	\$531.63	\$5,316.33

Erosion Control Material Placement Crew **Erosion Control** **10.00** **10.00** **10.00**

2,000.00 LF/DY, 8,000.00 SY/DY

Description	HR/DY	Per	Unit Cost
Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74
Foreman	Same as Lab. HR/DY	HR	\$58.83
Laborer [2]	Same as Lab. HR/DY	HR	\$37.72

	Per HR	Per DY
Equipment Total	\$16.74	\$167.39
Labor Total	\$134.28	\$1,342.76
Crew Total	\$151.01	\$1,510.15

Horizontal Drilling (Medium) **Drilling** **10.00** **10.00** **10.00**

175.00 LF/PH

Description	HR/DY	Per	Unit Cost
American Augers, 880,000	Same as Eq. HR/DY	HR	\$280.90
Cat 320C (pipe Attachment)	Same as Eq. HR/DY	HR	\$125.40
Flatbed Truck	Same as Eq. HR/DY	HR	\$22.55
Foreman	Same as Lab. HR/DY	HR	\$58.83
Laborer [2]	Same as Lab. HR/DY	HR	\$37.72
Operator [2]	Same as Lab. HR/DY	HR	\$35.37
Pipe Laborer	Same as Lab. HR/DY	HR	\$35.92
Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74

	Per HR	Per DY
Equipment Total	\$445.59	\$4,455.88
Labor Total	\$240.93	\$2,409.26
Crew Total	\$686.51	\$6,865.14

Hydro Excavation **Earthwork** **10.00** **10.00** **10.00**

Description	HR/DY	Per	Unit Cost
Hydro Vac	Same as Eq. HR/DY	HR	\$122.04
Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74
Foreman	Same as Lab. HR/DY	HR	\$58.83
Laborer	Same as Lab. HR/DY	HR	\$37.72
Operator	Same as Lab. HR/DY	HR	\$35.37

	Per HR	Per DY
Equipment Total	\$138.78	\$1,387.78
Labor Total	\$131.92	\$1,319.21
Crew Total	\$270.70	\$2,706.99

Crew Name	Work Type Work Rule	Job Cost ID Default Production Rates	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: (None) (Continued)

Landscaping Crew (Trees)	Landscaping	2.00 EACH/PH	10.00	10.00	10.00
Description	HR/DY	Per	Unit Cost		
Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74		
E337 Mini Excavator	Same as Eq. HR/DY	HR	\$83.54		
Operator	Same as Lab. HR/DY	HR	\$35.37		
B853 Skid Steer	Same as Eq. HR/DY	HR	\$94.14		
Operator	Same as Lab. HR/DY	HR	\$35.37		
Foreman	Same as Lab. HR/DY	HR	\$58.83		
Laborer [2]	Same as Lab. HR/DY	HR	\$37.72		
				Per HR	Per DY
		Equipment Total		\$194.42	\$1,944.17
		Labor Total		\$205.01	\$2,050.09
		Crew Total		\$399.43	\$3,994.26

Lawn Care	Landscaping	10,000.00 SY/DY	10.00	10.00	10.00
Description	HR/DY	Per	Unit Cost		
Kubota BX1860	Same as Eq. HR/DY	HR	\$29.36		
Broadcast Spreader	Same as Eq. HR/DY	HR	\$7.50		
Laborer	Same as Lab. HR/DY	HR	\$37.72		
Foreman	Same as Lab. HR/DY	HR	\$58.83		
				Per HR	Per DY
		Equipment Total		\$36.86	\$368.58
		Labor Total		\$96.55	\$965.55
		Crew Total		\$133.41	\$1,334.13








Lining Crew	Pipe	500.00 LF/DY	10.00	10.00	10.00
Description	HR/DY	Per	Unit Cost		
Light Train UV Cure	Same as Eq. HR/DY	HR	\$127.50		
Truck - 1 Ton	Same as Eq. HR/DY	HR	\$24.79		
Foreman	Same as Lab. HR/DY	HR	\$58.83		
Laborer	Same as Lab. HR/DY	HR	\$37.72		
Technician	Same as Lab. HR/DY	HR	\$53.10		
				Per HR	Per DY
		Equipment Total		\$152.29	\$1,522.89
		Labor Total		\$149.66	\$1,496.59
		Crew Total		\$301.95	\$3,019.48










Micro Pile Crew	Piling	100.00 LF/PH	10.00	10.00	10.00
Description	HR/DY	Per	Unit Cost		
Cat 305	Same as Eq. HR/DY	HR	\$94.10		
Mechanical Dial Torque Indicator	Same as Eq. HR/DY	HR	\$17.79		
Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74		
Foreman	Same as Lab. HR/DY	HR	\$58.83		
Excavator Operator	Same as Lab. HR/DY	HR	\$40.74		
Laborer	Same as Lab. HR/DY	HR	\$37.72		









Crew Name	Work Type	Job Cost ID	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
	Work Rule	Default Production Rates			

Category: (None) (Continued)

	Per HR	Per DY
Equipment Total	\$128.63	\$1,286.28
Labor Total	\$137.30	\$1,372.96
Crew Total	\$265.92	\$2,659.24

 Milling Crew	Paving	10.00	10.00	10.00
		250.00 TON/DY		
<u>Description</u>	<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>	
 Cat PM 565B Milling	Same as Eq. HR/DY	HR	\$250.00	
 4000 Gallon Water Truck	Same as Eq. HR/DY	HR	\$50.14	
 Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74	
 Foreman	Same as Lab. HR/DY	HR	\$58.83	
 Laborer	Same as Lab. HR/DY	HR	\$37.72	
 Operator [2]	Same as Lab. HR/DY	HR	\$35.37	
			Per HR	Per DY
		Equipment Total	\$316.88	\$3,168.78
		Labor Total	\$167.29	\$1,672.88
		Crew Total	\$484.17	\$4,841.66

 Overhead Electrical Crew	Electrical	1700	10.00	10.00	10.00
		2.00 EACH/DY, 20.00 LF/MH			
<u>Description</u>	<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>		
 Bucket Truck	Same as Eq. HR/DY	HR	\$41.69		
 Bucket Truck Leadman	Same as Lab. HR/DY	HR	\$38.90		
 Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74		
 Electrician [2]	Same as Lab. HR/DY	HR	\$46.77		
 Laborer	Same as Lab. HR/DY	HR	\$37.72		
 Lineman [2]	Same as Lab. HR/DY	HR	\$45.08		
 30 Ton Crane	Same as Eq. HR/DY	DY	\$1,913.33		
 Crane Operator	Same as Lab. HR/DY	HR	\$37.72		
			Per HR	Per DY	
		Equipment Total	\$249.76	\$2,497.61	
		Labor Total	\$298.05	\$2,980.52	
		Crew Total	\$547.81	\$5,478.12	

 Overhead Structure Crew	Signalization	10.00	10.00	10.00
		3.00 EACH/DY		
<u>Description</u>	<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>	
 Bucket Truck	Same as Eq. HR/DY	HR	\$41.69	
 Bucket Truck Leadman	Same as Lab. HR/DY	HR	\$38.90	
 Ford F150 Pick Up Truck	Same as Eq. HR/DY	HR	\$16.74	
 Foreman	Same as Lab. HR/DY	HR	\$58.83	
 Electrician	Same as Lab. HR/DY	HR	\$46.77	
 30 Ton Crane	Same as Eq. HR/DY	DY	\$1,913.33	
 Crane Operator	Same as Lab. HR/DY	HR	\$37.72	

Crew Name	Work Type Work Rule	Job Cost ID Default Production Rates	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: (None) (Continued)

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$249.76	\$2,497.61
Labor Total	\$182.23	\$1,822.25
Crew Total	\$431.99	\$4,319.86

PE Fusion Team	Pipe	10.00	10.00	10.00
		2.00 EACH/PH		
<u>Description</u>	<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>	
Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74	
Butt Fusion Machine	Same as Eq. HR/DY	HR	\$15.99	
Heat Plate	Same as Eq. HR/DY	HR	\$9.39	
Foreman	Same as Lab. HR/DY	HR	\$58.83	
Pipelayer	Same as Lab. HR/DY	HR	\$35.06	
Technician	Same as Lab. HR/DY	HR	\$53.10	
			<u>Per HR</u>	<u>Per DY</u>
		Equipment Total	\$42.12	\$421.17
		Labor Total	\$147.00	\$1,469.96
		Crew Total	\$189.11	\$1,891.13

PFF		10.00	10.00	10.00
		2.00 MH/LF		
<u>Description</u>	<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>	
Pipelayer	Same as Lab. HR/DY	HR	\$35.06	
			<u>Per HR</u>	<u>Per DY</u>
		Equipment Total	\$0.00	\$0.00
		Labor Total	\$35.06	\$350.57
		Crew Total	\$35.06	\$350.57

Pile Driving Crew	Bridge	10.00	10.00	10.00
		60.00 LF/DY		
<u>Description</u>	<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>	
Foreman	Same as Lab. HR/DY	HR	\$58.83	
Cat 385C L Hydraulic Excavator (BH30)	Same as Eq. HR/DY	HR	\$193.54	
Hydraulic Impact Hammer	Same as Eq. HR/DY	HR	\$77.64	
30 Ton Crane	Same as Eq. HR/DY	DY	\$1,913.33	
Crane Operator	Same as Lab. HR/DY	HR	\$37.72	
Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74	
Excavator Operator	Same as Lab. HR/DY	HR	\$40.74	
Laborer [2]	Same as Lab. HR/DY	HR	\$37.72	
			<u>Per HR</u>	<u>Per DY</u>
		Equipment Total	\$479.25	\$4,792.50
		Labor Total	\$212.74	\$2,127.38
		Crew Total	\$691.99	\$6,919.88

Pipe / Tie In Crew	Pipe	8.00	8.00	10.00
		2.00 EACH/DY, 500.00 LF/DY		

Crew Name	Work Type Work Rule	Job Cost ID Default Production Rates	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: (None) (Continued)

Description	HR/DY	Per	Unit Cost
SIDEBOOM CAT561	Same as Eq. HR/DY	HR	\$30.91
SIDEBOOM CAT561	Same as Eq. HR/DY	HR	\$30.91
Backhoe 1.5CY/225HP Cat 330L	Same as Eq. HR/DY	HR	\$103.96
Backhoe 1.5CY/225HP Cat 330L	Same as Eq. HR/DY	HR	\$103.96
Flatbed Truck	Same as Eq. HR/DY	HR	\$23.17
Operator	Same as Lab. HR/DY	HR	\$35.37
Operator	Same as Lab. HR/DY	HR	\$35.37
Operator	Same as Lab. HR/DY	HR	\$35.37
Operator	Same as Lab. HR/DY	HR	\$35.37
Foreman	Same as Lab. HR/DY	HR	\$58.83
Laborer [3]	Same as Lab. HR/DY	HR	\$37.72
Ford F-350 Pick Up	Same as Eq. HR/DY	HR	\$30.75

	Per HR	Per DY
Equipment Total	\$323.68	\$2,589.44
Labor Total	\$391.83	\$3,134.63
Crew Total	\$715.51	\$5,724.08

Portable Message System **Signalization** **10.00** **10.00** **10.00**

Description	HR/DY	Per	Unit Cost
Portable Programmable Messge Display System	Same as Eq. HR/DY	DY	\$54.50

	Per HR	Per DY
Equipment Total	\$5.45	\$54.50
Labor Total	\$0.00	\$0.00
Crew Total	\$5.45	\$54.50

Post Crew **Guardrail** **1950** **10.00** **10.00** **10.00**

100.00 LF/PH

Description	HR/DY	Per	Unit Cost
Post Driver Truck	Same as Eq. HR/DY	HR	\$64.09
Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74
Operator	Same as Lab. HR/DY	HR	\$35.37
Laborer [2]	Same as Lab. HR/DY	HR	\$37.72
Foreman	Same as Lab. HR/DY	HR	\$58.83

	Per HR	Per DY
Equipment Total	\$80.83	\$808.28
Labor Total	\$169.64	\$1,696.42
Crew Total	\$250.47	\$2,504.70

Rip Rap Placement Crew **Erosion Control** **10.00** **10.00** **10.00**

1,000.00 TON/DY

Description	HR/DY	Per	Unit Cost
E337 Mini Excavator	Same as Eq. HR/DY	HR	\$83.54
Operator	Same as Lab. HR/DY	HR	\$35.37
Supervisor	Same as Lab. HR/DY	HR	\$47.38
Laborer	Same as Lab. HR/DY	HR	\$37.72





Crew Name	Work Type Work Rule	Job Cost ID	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: (None) (Continued)

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$83.54	\$835.39
Labor Total	\$120.46	\$1,204.63
Crew Total	\$204.00	\$2,040.02

 Silt Fence Installation Crew **Erosion Control** **10.00** **10.00** **10.00**



1,000.00 LF/DY

Description	HR/DY	Per	Unit Cost
 Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74
 Laborer	Same as Lab. HR/DY	HR	\$37.72
 Operator	Same as Lab. HR/DY	HR	\$35.37
 E337 Mini Excavator	Same as Eq. HR/DY	HR	\$83.54

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$100.28	\$1,002.78
Labor Total	\$73.09	\$730.88
Crew Total	\$173.37	\$1,733.66

 Small Demolition Crew **Demolition** **10.00** **10.00** **10.00**






1,000.00 CY/DY

Description	HR/DY	Per	Unit Cost
 330 Excavator	Same as Eq. HR/DY	HR	\$64.38
 Operator	Same as Lab. HR/DY	HR	\$35.37

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$64.38	\$643.75
Labor Total	\$35.37	\$353.67
Crew Total	\$99.74	\$997.42

 Spray Paint Crew **Painting** **10.00** **10.00** **10.00**





5,000.00 SF/DY

Description	HR/DY	Per	Unit Cost
 Graco Ultra-Max 1095 Sprayer	Same as Eq. HR/DY	HR	\$11.32
 Ford F150 Pick Up Truck	Same as Eq. HR/DY	HR	\$16.74
 Foreman	Same as Lab. HR/DY	HR	\$58.83
 Painter/Blaster	Same as Lab. HR/DY	HR	\$35.92
 Painter/Blaster	Same as Lab. HR/DY	HR	\$35.92

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$28.06	\$280.59
Labor Total	\$130.67	\$1,306.67
Crew Total	\$158.73	\$1,587.26

 Steel/Iron Crew **Steel** **10.00** **10.00** **10.00**

15,000.00 LB/DY

Description	HR/DY	Per	Unit Cost
 Foreman	Same as Lab. HR/DY	HR	\$58.83
 Iron Worker Apprentice	Same as Lab. HR/DY	HR	\$33.63
 Iron Worker I [2]	Same as Lab. HR/DY	HR	\$43.94
 DC Arc Welder [2]	Same as Eq. HR/DY	HR	\$11.59

Crew Name	Work Type Work Rule	Job Cost ID Default Production Rates	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: (None) (Continued)

Description	HR/DY	Per	Unit Cost
CCH50T Mini Crane	Same as Eq. HR/DY	HR	\$182.54
Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74

	Per HR	Per DY
Equipment Total	\$222.46	\$2,224.56
Labor Total	\$180.33	\$1,803.34
Crew Total	\$402.79	\$4,027.90

Storm Sewer Crew	Pipe		10.00	10.00	10.00
<u>Description</u>	<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>		
JD 550 Excavator	Same as Eq. HR/DY	HR	\$92.30		
Excavator Operator	Same as Lab. HR/DY	HR	\$40.74		
CAT 560 Loader	Same as Eq. HR/DY	HR	\$78.04		
Loader Operator	Same as Lab. HR/DY	HR	\$42.43		
Laborer	Same as Lab. HR/DY	HR	\$37.72		
Foreman	Same as Lab. HR/DY	HR	\$58.83		

	Per HR	Per DY
Equipment Total	\$170.34	\$1,703.39
Labor Total	\$179.73	\$1,797.26
Crew Total	\$350.07	\$3,500.65

Survey Team	Misc		10.00	10.00	10.00
					0.50 LS/DY
<u>Description</u>	<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>		
Truck - 1 Ton	Same as Eq. HR/DY	HR	\$24.79		
Supervisor	Same as Lab. HR/DY	HR	\$47.38		
Laborer	Same as Lab. HR/DY	HR	\$37.72		

	Per HR	Per DY
Equipment Total	\$24.79	\$247.89
Labor Total	\$85.10	\$850.96
Crew Total	\$109.89	\$1,098.85

Trenching Crew	Earthwork		10.00	10.00	10.00
					500.00 LF/DY
<u>Description</u>	<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>		
John Deer 75C	Same as Eq. HR/DY	HR	\$56.04		
Operator	Same as Lab. HR/DY	HR	\$35.37		
Ford F150 Pick Up Truck	Same as Eq. HR/DY	HR	\$16.74		
Flagger	Same as Lab. HR/DY	HR	\$33.01		
Foreman	Same as Lab. HR/DY	HR	\$58.83		

	Per HR	Per DY
Equipment Total	\$72.78	\$727.78
Labor Total	\$127.21	\$1,272.13
Crew Total	\$199.99	\$1,999.91

Two Man Crew	Stripe		8.00	10.00	10.00
					500.00 LF/PH

Crew Name	Work Type Work Rule	Job Cost ID Default Production Rates	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: (None) (Continued)

Description	HR/DY	Per	Unit Cost
Laborer [2]	Same as Lab. HR/DY	HR	\$37.72

	Per HR	Per DY
Equipment Total	\$0.00	\$0.00
Labor Total	\$94.30	\$754.42
Crew Total	\$94.30	\$754.42

Two Man Electrical Crew **Electrical** **10.00** **10.00** **10.00**
30.00 LF/MH

Description	HR/DY	Per	Unit Cost
Electrician	Same as Lab. HR/DY	HR	\$46.77
General Helper	Same as Lab. HR/DY	HR	\$26.75

	Per HR	Per DY
Equipment Total	\$0.00	\$0.00
Labor Total	\$73.52	\$735.22
Crew Total	\$73.52	\$735.22

Welding Crew **Electrical** **10.00** **10.00** **10.00**
2.00 MH/EACH

Description	HR/DY	Per	Unit Cost
Welder	Same as Lab. HR/DY	HR	\$58.83
Pipe Laborer	Same as Lab. HR/DY	HR	\$35.92
DC Arc Welder	Same as Eq. HR/DY	HR	\$11.59

	Per HR	Per DY
Equipment Total	\$11.59	\$115.89
Labor Total	\$94.75	\$947.51
Crew Total	\$106.34	\$1,063.40

Wiring Crew **Electrical** **10.00** **10.00** **10.00**

Description	HR/DY	Per	Unit Cost
Electrician	Same as Lab. HR/DY	HR	\$46.77
Laborer	Same as Lab. HR/DY	HR	\$37.72
Laborer	Same as Lab. HR/DY	HR	\$37.72

	Per HR	Per DY
Equipment Total	\$0.00	\$0.00
Labor Total	\$122.21	\$1,222.14
Crew Total	\$122.21	\$1,222.14

Wrecking Asphalt Crew **Demolition** **10.00** **10.00** **10.00**

Description	HR/DY	Per	Unit Cost
JD 550 Excavator	Same as Eq. HR/DY	HR	\$92.30
Excavator Operator	Same as Lab. HR/DY	HR	\$40.74
CAT 560 Loader	Same as Eq. HR/DY	HR	\$78.04
Loader Operator	Same as Lab. HR/DY	HR	\$42.43
Laborer	Same as Lab. HR/DY	HR	\$37.72
Foreman	Same as Lab. HR/DY	HR	\$58.83

Crew Name	Work Type Work Rule	Job Cost ID Default Production Rates	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: (None) (Continued)

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$170.34	\$1,703.39
Labor Total	\$179.73	\$1,797.26
Crew Total	\$350.07	\$3,500.65

 **Wrecking Concrete Crew**

Demolition

10.00

10.00

10.00

Description

HR/DY

Per

Unit Cost

 JD 550 Excavator	Same as Eq. HR/DY	HR	\$92.30
 Excavator Operator	Same as Lab. HR/DY	HR	\$40.74
 CAT 560 Loader	Same as Eq. HR/DY	HR	\$78.04
 Loader Operator	Same as Lab. HR/DY	HR	\$42.43
 Laborer	Same as Lab. HR/DY	HR	\$37.72
 Foreman	Same as Lab. HR/DY	HR	\$58.83

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$170.34	\$1,703.39
Labor Total	\$179.73	\$1,797.26
Crew Total	\$350.07	\$3,500.65

Category: Example

 **Bucket Truck Crew**

Signalization

8.00

10.00

10.00








1,000.00 LF/DY, 2.00 EACH/DY

Description

HR/DY

Per

Unit Cost

 Bucket Truck	Same as Eq. HR/DY	HR	\$41.69
 Bucket Truck Leadman	Same as Lab. HR/DY	HR	\$38.90
 Laborer	Same as Lab. HR/DY	HR	\$37.72
 Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74
 Electrician	Same as Lab. HR/DY	HR	\$46.77
 Trailer Lowbody	Same as Eq. HR/DY	HR	\$43.49
 Pole Trailer	Same as Eq. HR/DY	HR	\$25.20

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$158.90	\$1,271.17
Labor Total	\$154.24	\$1,233.91
Crew Total	\$313.14	\$2,505.09

 **Excavation Crew**

Earthwork

1800

8.00

8.00

10.00








850.00 CY/DY

Description

HR/DY

Per

Unit Cost

 Foreman	Same as Lab. HR/DY	HR	\$58.83
 Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$17.36
 Loader Operator	Same as Lab. HR/DY	HR	\$42.43
 CAT 560 Loader	Same as Eq. HR/DY	HR	\$78.66
 Excavator Operator	Same as Lab. HR/DY	HR	\$40.74
 JD 550 Excavator	Same as Eq. HR/DY	HR	\$92.55
 Laborer [2]	Same as Lab. HR/DY	HR	\$37.72

Crew Name	Work Type Work Rule	Job Cost ID Default Production Rates	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: Example (Continued)

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$188.58	\$1,508.62
Labor Total	\$271.81	\$2,174.47
Crew Total	\$460.39	\$3,683.09

Highway Paving Crew **Paving** **8.00** **8.00** **8.00**
1,000.00 TON/DY

Description	HR/DY	Per	Unit Cost
Foreman	Same as Lab. HR/DY	HR	\$57.92
Asphalt Distributor	Same as Eq. HR/DY	HR	\$54.51
Blaw-knox Road Paver	Same as Eq. HR/DY	HR	\$107.35
Paver Operator [2]	Same as Lab. HR/DY	HR	\$35.99
CAT Roller 10 Ton	Same as Eq. HR/DY	HR	\$44.86
Roller Operator	Same as Lab. HR/DY	HR	\$37.39
CAT Roller 5 Ton	Same as Eq. HR/DY	HR	\$33.86
Roller Operator [2]	Same as Lab. HR/DY	HR	\$37.39
Lowbed	Same as Eq. HR/DY	DY	\$215.93
Operator	Same as Lab. HR/DY	HR	\$36.58
Laborer [6]	Same as Lab. HR/DY	HR	\$38.72

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$267.58	\$2,140.66
Labor Total	\$510.97	\$4,087.79
Crew Total	\$778.56	\$6,228.46

Pipe Crew, Standard **Pipe** **8.00** **8.00** **10.00**
200.00 LF/DY

Description	HR/DY	Per	Unit Cost
JD 550 Excavator	Same as Eq. HR/DY	HR	\$92.55
Excavator Operator	Same as Lab. HR/DY	HR	\$40.74
CAT 560 Loader	Same as Eq. HR/DY	HR	\$78.66
Loader Operator	Same as Lab. HR/DY	HR	\$42.43
Foreman	Same as Lab. HR/DY	HR	\$58.83
Laborer	Same as Lab. HR/DY	HR	\$37.72

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$171.21	\$1,369.71
Labor Total	\$224.66	\$1,797.26
Crew Total	\$395.87	\$3,166.97

Category: Golf Course Crews

Landscaping Crew **Landscaping** **10.00** **10.00** **10.00**
10.00 EACH/PH, 500.00 SF/DY

Description	HR/DY	Per	Unit Cost
Foreman	Same as Lab. HR/DY	HR	\$58.83
Hand Tools	Same as Eq. HR/DY	HR	\$8.29
Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74
Laborer [2]	Same as Lab. HR/DY	HR	\$37.72
Shovel	Same as Eq. HR/DY	HR	\$5.06

Crew Name	Work Type Work Rule	Job Cost ID	Prod. HR/DY Default Production Rates	Equip. HR/DY	Labor HR/DY
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Category: Golf Course Crews (Continued)

		<u>Per HR</u>	<u>Per DY</u>
Equipment Total		\$30.09	\$300.88
Labor Total		\$134.28	\$1,342.76
Crew Total		\$164.36	\$1,643.64

Sod Crew **Landscaping** **10.00** **10.00** **10.00**

10.00 ROLL/MH

Description	HR/DY	Per	Unit Cost
Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74
Laborer [2]	Same as Lab. HR/DY	HR	\$37.72
Foreman	Same as Lab. HR/DY	HR	\$58.83

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$16.74	\$167.39
Labor Total	\$134.28	\$1,342.76
Crew Total	\$151.01	\$1,510.15

Category: Private

Clearing Crew **Clearing & Grubbing** **8.00** **10.00** **10.00**

3.00 ACRE/DY

Description	HR/DY	Per	Unit Cost
Bobcat	Same as Eq. HR/DY	DY	\$258.33
Operator	Same as Lab. HR/DY	HR	\$35.37
CAT D 10N Dozer	Same as Eq. HR/DY	HR	\$69.19
Dozer Operator	Same as Lab. HR/DY	DY	\$314.48
Foreman	Same as Lab. HR/DY	HR	\$58.83
Laborer [3]	Same as Lab. HR/DY	HR	\$37.72

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$118.78	\$950.22
Labor Total	\$298.51	\$2,388.11
Crew Total	\$417.29	\$3,338.33

Category: Public

Concrete Paving Crew **Concrete** **8.00** **10.00** **10.00**

100.00 TON/PH, 5.00 CY/MH

Description	HR/DY	Per	Unit Cost
Gomaco SP 3000	Same as Eq. HR/DY	HR	\$149.14
Paver Operator	Same as Lab. HR/DY	HR	\$34.71
Power Broom	Same as Eq. HR/DY	HR	\$27.74
Operator	Same as Lab. HR/DY	HR	\$35.37
Foreman	Same as Lab. HR/DY	HR	\$58.83
Laborer [5]	Same as Lab. HR/DY	HR	\$37.72

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$221.10	\$1,768.78
Labor Total	\$396.90	\$3,175.16
Crew Total	\$617.99	\$4,943.94

Crew Name	Work Type Work Rule	Job Cost ID	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: Public (Continued)

Deck Stripping Crew	Bridge		8.00	10.00	10.00
		200.00 SF/PH			
Description	HR/DY	Per	Unit Cost		
Carpenter	Same as Lab. HR/DY	HR	\$35.37		
Laborer [2]	Same as Lab. HR/DY	HR	\$37.72		
			Per HR	Per DY	
		Equipment Total	\$0.00	\$0.00	
		Labor Total	\$138.51	\$1,108.09	
		Crew Total	\$138.51	\$1,108.09	

Fine Grading Crew	Earthwork		8.00	10.00	10.00
		10.00 ST/DY, 2,000.00 SY/DY, 500.00 TON/PH			
Description	HR/DY	Per	Unit Cost		
CAT 623 Grader	Same as Eq. HR/DY	HR	\$58.19		
Grader Operator	Same as Lab. HR/DY	HR	\$35.37		
CAT Vibratory Roller	Same as Eq. HR/DY	HR	\$44.24		
Roller Operator	Same as Lab. HR/DY	HR	\$36.25		
Water Truck - WT	Same as Eq. HR/DY	HR	\$20.00		
Operator	Same as Lab. HR/DY	HR	\$35.37		
Foreman	Same as Lab. HR/DY	HR	\$58.83		
Laborer	Same as Lab. HR/DY	HR	\$37.72		
Bobcat	Same as Eq. HR/DY	DY	\$258.33		
Operator	Same as Lab. HR/DY	HR	\$35.37		
			Per HR	Per DY	
		Equipment Total	\$185.33	\$1,482.61	
		Labor Total	\$298.63	\$2,389.04	
		Crew Total	\$483.96	\$3,871.65	

Form Crew	Bridge		8.00	10.00	10.00
		0.50 MH/LF			
Description	HR/DY	Per	Unit Cost		
JD 550 Excavator	Same as Eq. HR/DY	HR	\$92.30		
Excavator Operator	Same as Lab. HR/DY	HR	\$40.74		
Carpenter	Same as Lab. HR/DY	HR	\$35.37		
Detailed Carpenter	Same as Lab. HR/DY	HR	\$43.98		
Foreman	Same as Lab. HR/DY	HR	\$58.83		
Laborer	Same as Lab. HR/DY	HR	\$37.72		
			Per HR	Per DY	
		Equipment Total	\$115.38	\$923.00	
		Labor Total	\$270.80	\$2,166.42	
		Crew Total	\$386.18	\$3,089.42	

Grubbing Crew	Clearing & Grubbing		8.00	10.00	10.00
		3.00 ACRE/DY			
Description	HR/DY	Per	Unit Cost		
Bobcat	Same as Eq. HR/DY	DY	\$258.33		
Operator	Same as Lab. HR/DY	HR	\$35.37		
CAT D 10N Dozer	Same as Eq. HR/DY	HR	\$69.19		
Dozer Operator	Same as Lab. HR/DY	DY	\$314.48		

Crew Name	Work Type Work Rule	Job Cost ID Default Production Rates	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: Public (Continued)

Description	HR/DY	Per	Unit Cost
Foreman	Same as Lab. HR/DY	HR	\$58.83
Laborer [3]	Same as Lab. HR/DY	HR	\$37.72

	Per HR	Per DY
Equipment Total	\$118.78	\$950.22
Labor Total	\$298.51	\$2,388.11
Crew Total	\$417.29	\$3,338.33

Guardrail Placement/Removal Crew	Guardrail		8.00	10.00	10.00
Description	HR/DY	Per	Unit Cost		
Backhoe	Same as Eq. HR/DY	HR	\$39.35		
Operator	Same as Lab. HR/DY	HR	\$35.37		
Six Wheel Dump	Same as Eq. HR/DY	HR	\$33.59		
Flagger	Same as Lab. HR/DY	HR	\$33.01		
Foreman	Same as Lab. HR/DY	HR	\$58.83		
Laborer [2]	Same as Lab. HR/DY	HR	\$37.72		

	Per HR	Per DY
Equipment Total	\$91.17	\$729.39
Labor Total	\$253.32	\$2,026.55
Crew Total	\$344.49	\$2,755.94

Hand Paving Crew	Paving		8.00	8.00	10.00
Description	HR/DY	Per	Unit Cost		
Bobcat	Same as Eq. HR/DY	DY	\$256.13		
Operator	Same as Lab. HR/DY	HR	\$35.37		
CAT Roller 5 Ton	Same as Eq. HR/DY	HR	\$33.86		
Roller Operator	Same as Lab. HR/DY	HR	\$36.25		
Foreman	Same as Lab. HR/DY	HR	\$58.83		
Laborer [5]	Same as Lab. HR/DY	HR	\$37.72		






	Per HR	Per DY
Equipment Total	\$65.88	\$527.04
Labor Total	\$398.82	\$3,190.55
Crew Total	\$464.70	\$3,717.59







Material Grading Crew	Grading		8.00	10.00	10.00
Description	HR/DY	Per	Unit Cost		
CAT 560 Loader	Same as Eq. HR/DY	HR	\$78.04		
Loader Operator	Same as Lab. HR/DY	HR	\$42.43		
CAT D 4 Dozer CD4	Same as Eq. HR/DY	HR	\$104.80		
Dozer Operator	Same as Lab. HR/DY	DY	\$314.48		
CAT Vibratory Roller	Same as Eq. HR/DY	HR	\$44.24		
Roller Operator	Same as Lab. HR/DY	HR	\$36.25		
Foreman	Same as Lab. HR/DY	HR	\$58.83		











Crew Name	Work Type Work Rule	Job Cost ID	Prod. HR/DY Default Production Rates	Equip. HR/DY	Labor HR/DY
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Category: Public (Continued)

	<u>Per HR</u>	<u>Per DY</u>
Equipment Total	\$283.85	\$2,270.78
Labor Total	\$211.20	\$1,689.61
Crew Total	\$495.05	\$3,960.39

 Mobilization Crew	Mobilization	2100	8.00	10.00	10.00
1.00 LOAD/DY, 2.00 DY/LS					
<u>Description</u>	<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>		
 Lowbed	Same as Eq. HR/DY	DY	\$221.83		
 Lowbed Driver	Same as Lab. HR/DY	HR	\$34.19		
 Ford 250 Pick Up	Same as Eq. HR/DY	HR	\$16.74		
 Foreman	Same as Lab. HR/DY	HR	\$58.83		
				<u>Per HR</u>	<u>Per DY</u>
				Equipment Total	\$48.65 \$389.22
				Labor Total	\$116.28 \$930.23
				Crew Total	\$164.93 \$1,319.45

 Pour Substructure Crew	Bridge		8.00	10.00	10.00
<u>Description</u>	<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>		
 JD 550 Excavator	Same as Eq. HR/DY	HR	\$92.30		
 Excavator Operator	Same as Lab. HR/DY	HR	\$40.74		
 Finisher	Same as Lab. HR/DY	HR	\$28.84		
 Foreman	Same as Lab. HR/DY	HR	\$58.83		
 Laborer	Same as Lab. HR/DY	HR	\$37.72		
				<u>Per HR</u>	<u>Per DY</u>
				Equipment Total	\$115.38 \$923.00
				Labor Total	\$207.67 \$1,661.38
				Crew Total	\$323.05 \$2,584.38





 Road Paving Crew	Paving		8.00	10.00	10.00
1,500.00 SY/PH, 150.00 TON/PH					
<u>Description</u>	<u>HR/DY</u>	<u>Per</u>	<u>Unit Cost</u>		
 Blaw-knox Road Paver	Same as Eq. HR/DY	HR	\$107.10		
 Paver Operator	Same as Lab. HR/DY	HR	\$34.71		
 CAT Roller 10 Ton	Same as Eq. HR/DY	HR	\$44.24		
 Roller Operator [2]	Same as Lab. HR/DY	HR	\$36.25		
 CAT Roller 5 Ton	Same as Eq. HR/DY	HR	\$33.24		
 Water Truck - WT	Same as Eq. HR/DY	HR	\$20.00		
 Operator	Same as Lab. HR/DY	HR	\$35.37		
 Foreman	Same as Lab. HR/DY	HR	\$58.83		
 Laborer [6]	Same as Lab. HR/DY	HR	\$37.72		
				<u>Per HR</u>	<u>Per DY</u>
				Equipment Total	\$255.72 \$2,045.78
				Labor Total	\$534.67 \$4,277.36
				Crew Total	\$790.39 \$6,323.14

Crew Name	Work Type Work Rule	Job Cost ID Default Production Rates	Prod. HR/DY	Equip. HR/DY	Labor HR/DY
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Category: Public (Continued)

 **Structure Excavation Crew** **Bridge** **8.00** **10.00** **10.00**

225.00 CY/DY

Description	HR/DY	Per	Unit Cost
 CAT 560 Loader	Same as Eq. HR/DY	HR	\$78.04
 Loader Operator	Same as Lab. HR/DY	HR	\$42.43
 Foreman	Same as Lab. HR/DY	HR	\$58.83
 Laborer	Same as Lab. HR/DY	HR	\$37.72

	Per HR	Per DY
Equipment Total	\$97.55	\$780.39
Labor Total	\$173.73	\$1,389.85
Crew Total	\$271.28	\$2,170.24