

# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew A-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Building Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$13.95	\$23.90
1 Gas Eng. Power Tool		68.65		75.50	8.58	9.44
8 L.H., Daily Totals		\$180.25		\$266.70	\$22.53	\$33.34
Crew A-1A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Skilled Worker	\$19.25	\$154.00	\$33.05	\$264.40	\$19.25	\$33.05
1 Shot Blaster, 20"		131.90		145.10	16.49	18.14
8 L.H., Daily Totals		\$285.90		\$409.50	\$35.74	\$51.19
Crew A-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$13.95	\$223.20	\$23.90	\$382.40	\$14.45	\$24.53
1 Truck Driver (light)	15.45	123.60	25.80	206.40		
1 Light Truck, 1.5 Ton		171.95		189.15	7.16	7.88
24 L.H., Daily Totals		\$518.75		\$777.95	\$21.61	\$32.41
Crew A-2A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$13.95	\$223.20	\$23.90	\$382.40	\$14.45	\$24.53
1 Truck Driver (light)	15.45	123.60	25.80	206.40		
1 Light Truck, 1.5 ton		171.95		189.15		
1 Concrete Saw		110.65		121.70	11.78	12.95
24 L.H., Daily Totals		\$629.40		\$899.65	\$26.23	\$37.48
Crew A-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$15.70	\$125.60	\$26.25	\$210.00	\$15.70	\$26.25
1 Dump Truck, 12 Ton		364.30		400.75	45.54	50.09
8 L.H., Daily Totals		\$489.90		\$610.75	\$61.24	\$76.34
Crew A-3A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (light)	\$15.45	\$123.60	\$25.80	\$206.40	\$15.45	\$25.80
1 Pickup truck (4x4)		145.50		160.05	18.19	20.01
8 L.H., Daily Totals		\$269.10		\$366.45	\$33.64	\$45.81
Crew A-3B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (medium)	\$19.60	\$156.80	\$32.55	\$260.40	\$17.65	\$29.40
1 Truck Driver (heavy)	15.70	125.60	26.25	210.00		
1 Dump Truck, 16 Ton		442.25		486.50	27.64	30.40
16 L.H., Daily Totals		\$724.65		\$956.90	\$45.29	\$59.80
Crew A-3C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (light)	\$18.75	\$150.00	\$31.15	\$249.20	\$18.75	\$31.15
1 Wheeled Skid Steer Loader		230.25		253.30	28.78	31.66
8 L.H., Daily Totals		\$380.25		\$502.50	\$47.53	\$62.81
Crew A-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$19.10	\$305.60	\$32.75	\$524.00	\$18.63	\$31.70
1 Painter, Ordinary	17.70	141.60	29.60	236.80		
24 L.H., Daily Totals		\$447.20		\$760.80	\$18.63	\$31.70
Crew A-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$13.95	\$223.20	\$23.90	\$382.40	\$14.12	\$24.11
.25 Truck Driver (light)	15.45	30.90	25.80	51.60		
.25 Light Truck, 1.5 Ton		42.99		47.30	2.39	2.63
18 L.H., Daily Totals		\$297.09		\$481.30	\$16.51	\$26.74
Crew A-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Chief Of Party	\$18.75	\$150.00	\$31.15	\$249.20	\$17.68	\$29.35
1 Instrument Man	16.60	132.80	27.55	220.40		
16 L.H., Daily Totals		\$282.80		\$469.60	\$17.68	\$29.35

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew A-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Chief Of Party	\$18.75	\$150.00	\$31.15	\$249.20	\$16.57	\$27.75
1 Instrument Man	16.60	132.80	27.55	220.40		
1 Rodman/Chainman	14.35	114.80	24.55	196.40		
24 L.H., Daily Totals		\$397.60		\$666.00	\$16.57	\$27.75
Crew A-8	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Chief Of Party	\$18.75	\$150.00	\$31.15	\$249.20	\$16.01	\$26.95
1 Instrument Man	16.60	132.80	27.55	220.40		
2 Rodmen/Chainmen	14.35	229.60	24.55	392.80		
32 L.H., Daily Totals		\$512.40		\$862.40	\$16.01	\$26.95
Crew A-9	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Asbestos Foreman	\$20.60	\$164.80	\$36.15	\$289.20	\$20.16	\$35.36
7 Asbestos Workers	20.10	1125.60	35.25	1974.00		
64 L.H., Daily Totals		\$1290.40		\$2263.20	\$20.16	\$35.36
Crew A-10	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Asbestos Foreman	\$20.60	\$164.80	\$36.15	\$289.20	\$20.16	\$35.36
7 Asbestos Workers	20.10	1125.60	35.25	1974.00		
64 L.H., Daily Totals		\$1290.40		\$2263.20	\$20.16	\$35.36
Crew A-10A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Asbestos Foreman	\$20.60	\$164.80	\$36.15	\$289.20	\$20.27	\$35.55
2 Asbestos Workers	20.10	321.60	35.25	564.00		
24 L.H., Daily Totals		\$486.40		\$853.20	\$20.27	\$35.55
Crew A-10B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Asbestos Foreman	\$20.60	\$164.80	\$36.15	\$289.20	\$20.23	\$35.48
3 Asbestos Workers	20.10	482.40	35.25	846.00		
32 L.H., Daily Totals		\$647.20		\$1135.20	\$20.23	\$35.48
Crew A-10C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Asbestos Workers	\$20.10	\$482.40	\$35.25	\$846.00	\$20.10	\$35.25
1 Flatbed truck		171.95		189.15	7.16	7.88
24 L.H., Daily Totals		\$654.35		\$1035.15	\$27.26	\$43.13
Crew A-10D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Asbestos Workers	\$20.10	\$321.60	\$35.25	\$564.00	\$19.26	\$32.92
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Equip. Oper. Oiler	16.60	132.80	27.55	220.40		
1 Hydraulic crane, 33 ton		694.95		764.45	21.72	23.89
32 L.H., Daily Totals		\$1311.35		\$1818.05	\$40.98	\$56.81
Crew A-11	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Asbestos Foreman	\$20.60	\$164.80	\$36.15	\$289.20	\$20.16	\$35.36
7 Asbestos Workers	20.10	1125.60	35.25	1974.00		
2 Chipping Hammers		25.90		28.50	.40	.45
64 L.H., Daily Totals		\$1316.30		\$2291.70	\$20.56	\$35.81
Crew A-12	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Asbestos Foreman	\$20.60	\$164.80	\$36.15	\$289.20	\$20.16	\$35.36
7 Asbestos Workers	20.10	1125.60	35.25	1974.00		
1 Large Prod. Vac. Loader		524.90		577.40	8.20	9.02
64 L.H., Daily Totals		\$1815.30		\$2840.60	\$28.36	\$44.38
Crew A-13	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (light)	\$18.75	\$150.00	\$31.15	\$249.20	\$18.75	\$31.15
1 Large Prod. Vac. Loader		524.90		577.40	65.61	72.17
8 L.H., Daily Totals		\$674.90		\$826.60	\$84.36	\$103.32



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-1</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.62	\$25.05
2 Laborers	13.95	223.20	23.90	382.40		
24 L.H., Daily Totals		\$350.80		\$601.20	\$14.62	\$25.05
<b>Crew B-2</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.35	\$24.59
4 Laborers	13.95	446.40	23.90	764.80		
40 L.H., Daily Totals		\$574.00		\$983.60	\$14.35	\$24.59
<b>Crew B-3</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.81	\$26.70
2 Laborers	13.95	223.20	23.90	382.40		
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
2 Truck Drivers (heavy)	15.70	251.20	26.25	420.00		
1 F.E. Loader, T.M., 2.5 C.Y.		865.10		951.60		
2 Dump Trucks, 16 Ton		884.50		972.95	36.45	40.10
48 L.H., Daily Totals		\$2508.40		\$3206.15	\$52.26	\$66.80
<b>Crew B-3A</b>						
4 Laborers	\$13.95	\$446.40	\$23.90	\$764.80	\$15.08	\$25.63
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
1 Hyd. Excavator, 1.5 C.Y.		712.70		783.95	17.82	19.60
40 L.H., Daily Totals		\$1315.90		\$1809.15	\$32.90	\$45.23
<b>Crew B-3B</b>						
2 Laborers	\$13.95	\$223.20	\$23.90	\$382.40	\$15.80	\$26.65
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
1 Truck Drivers (heavy)	15.70	125.60	26.25	210.00		
1 Backhoe Loader, 80 H.P.		290.10		319.10		
1 Dump Trucks, 16 Ton		442.25		486.50	22.89	25.17
32 L.H., Daily Totals		\$1237.95		\$1658.40	\$38.69	\$51.82
<b>Crew B-3C</b>						
3 Laborers	\$13.95	\$334.80	\$23.90	\$573.60	\$15.36	\$26.06
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
1 F.E. Loader, 3.75 C.Y.		576.90		634.60	18.03	19.83
32 L.H., Daily Totals		\$1068.50		\$1468.60	\$33.39	\$45.89
<b>Crew B-4</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.57	\$24.87
4 Laborers	13.95	446.40	23.90	764.80		
1 Truck Driver (heavy)	15.70	125.60	26.25	210.00		
1 Tractor, 4 x 2, 195 H.P.		324.05		356.45		
1 Platform Trailer		150.70		165.75	9.89	10.88
48 L.H., Daily Totals		\$1174.35		\$1715.80	\$24.46	\$35.75
<b>Crew B-5</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.48	\$26.32
3 Laborers	13.95	334.80	23.90	573.60		
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
1 Air Compr., 250 C.F.M.		124.90		137.40		
2 Air Tools & Accessories		39.00		42.90		
2-50 Ft. Air Hoses, 1.5" Dia.		16.40		18.05		
1 F.E. Loader, T.M., 2.5 C.Y.		865.10		951.60	26.14	28.75
40 L.H., Daily Totals		\$1664.60		\$2202.75	\$41.62	\$55.07

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-5A</b>						
1 Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$15.75	\$26.63
6 Laborers	13.95	669.60	23.90	1147.20		
2 Equip. Oper. (med.)	19.60	313.60	32.55	520.80		
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
2 Truck Drivers (heavy)	15.70	251.20	26.25	420.00		
1 Air Compr. 365 C.F.M.		174.30		191.75		
2 Pavement Breakers		39.00		42.90		
8 Air Hoses w/Coup., 1"		41.60		45.75		
2 Dump Trucks, 12 Ton		728.60		801.45	10.24	11.27
96 L.H., Daily Totals		\$2495.50		\$3637.85	\$25.99	\$37.90
<b>Crew B-5B</b>						
1 Powderman	\$19.25	\$154.00	\$33.05	\$264.40	\$17.59	\$29.48
2 Equip. Oper. (med.)	19.60	313.60	32.55	520.80		
3 Truck Drivers (heavy)	15.70	376.80	26.25	630.00		
1 F.E. Ldr. 2-1/2 CY		450.50		495.55		
3 Dump Trucks, 16 Ton		1326.75		1459.45		
1 Air Compr. 365 C.F.M.		174.30		191.75	40.66	44.72
48 L.H., Daily Totals		\$2795.95		\$3561.95	\$58.25	\$74.20
<b>Crew B-5C</b>						
3 Laborers	\$13.95	\$334.80	\$23.90	\$573.60	\$16.21	\$27.24
1 Equip. Oper. (medium)	19.60	156.80	32.55	260.40		
2 Truck Drivers (heavy)	15.70	251.20	26.25	420.00		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Equip. Oper. Oiler	16.60	132.80	27.55	220.40		
2 Dump Truck, 16 Ton		884.50		972.95		
1 F.E. Ldr. 3.75 C.Y.		1142.00		1256.20		
1 Hyd. Crane, 25 Ton		547.90		602.70	40.23	44.25
64 L.H., Daily Totals		\$3612.00		\$4575.45	\$56.44	\$71.49
<b>Crew B-6</b>						
2 Laborers	\$13.95	\$223.20	\$23.90	\$382.40	\$15.55	\$26.32
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Backhoe Loader, 48 H.P.		218.80		240.70	9.12	10.03
24 L.H., Daily Totals		\$592.00		\$872.30	\$24.67	\$36.35
<b>Crew B-7</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.22	\$25.92
4 Laborers	13.95	446.40	23.90	764.80		
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
1 Chipping Machine		214.10		235.50		
1 F.E. Loader, T.M., 2.5 C.Y.		865.10		951.60		
2 Chain Saws, 36"		106.10		116.70	24.69	27.16
48 L.H., Daily Totals		\$1916.10		\$2547.80	\$39.91	\$53.08
<b>Crew B-7A</b>						
2 Laborers	\$13.95	\$223.20	\$23.90	\$382.40	\$15.55	\$26.32
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Rake w/Tractor		218.90		240.80		
2 Chain Saws, 18"		54.60		60.05	11.40	12.54
24 L.H., Daily Totals		\$646.70		\$932.45	\$26.95	\$38.86



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Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew B-8	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$16.35	\$27.54
2 Laborers	13.95	223.20	23.90	382.40		
2 Equip. Oper. (med.)	19.60	313.60	32.55	520.80		
2 Truck Drivers (heavy)	15.70	251.20	26.25	420.00		
1 Hyd. Crane, 25 Ton		549.35		604.30		
1 F.E. Loader, T.M., 2.5 C.Y.		865.10		951.60		
2 Dump Trucks, 16 Ton		884.50		972.95	41.05	45.16
56 L.H., Daily Totals		\$3214.55		\$4070.85	\$57.40	\$72.70
Crew B-9	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.35	\$24.59
4 Laborers	13.95	446.40	23.90	764.80		
1 Air Compr., 250 C.F.M.		124.90		137.40		
2 Air Tools & Accessories		39.00		42.90		
2-50 Ft. Air Hoses, 1.5" Dia.		16.40		18.05	4.51	4.96
40 L.H., Daily Totals		\$754.30		\$1181.95	\$18.86	\$29.55
Crew B-9A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$13.95	\$223.20	\$23.90	\$382.40	\$14.53	\$24.68
1 Truck Driver (heavy)	15.70	125.60	26.25	210.00		
1 Water Tanker		205.10		225.60		
1 Tractor		324.05		356.45		
2-50 Ft. Disch. Hoses		10.80		11.90	22.50	24.75
24 L.H., Daily Totals		\$888.75		\$1186.35	\$37.03	\$49.43
Crew B-9B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$13.95	\$223.20	\$23.90	\$382.40	\$14.53	\$24.68
1 Truck Driver (heavy)	15.70	125.60	26.25	210.00		
2-50 Ft. Disch. Hoses		10.80		11.90		
1 Water Tanker		205.10		225.60		
1 Tractor		324.05		356.45		
1 Pressure Washer		55.40		60.95	24.81	27.29
24 L.H., Daily Totals		\$944.15		\$1247.30	\$39.34	\$51.97
Crew B-9C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.35	\$24.59
4 Laborers	13.95	446.40	23.90	764.80		
1 Air Compr., 250 C.F.M.		124.90		137.40		
2-50 Ft. Air Hoses, 1.5" Dia.		16.40		18.05		
2 Breaker, Pavement, 60 lb.		39.00		42.90	4.51	4.96
40 L.H., Daily Totals		\$754.30		\$1181.95	\$18.86	\$29.55
Crew B-10	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
8 L.H., Daily Totals		\$156.80		\$260.40	\$19.60	\$32.55
Crew B-10A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Roll. Compact., 2K Lbs.		93.05		102.35	11.63	12.79
8 L.H., Daily Totals		\$249.85		\$362.75	\$31.23	\$45.34
Crew B-10B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Dozer, 200 H.P.		838.95		922.85	104.87	115.36
8 L.H., Daily Totals		\$995.75		\$1183.25	\$124.47	\$147.91

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Crew B-10C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Dozer, 200 H.P.		838.95		922.85		
1 Vibratory Roller, Towed		112.90		124.20	118.98	130.88
8 L.H., Daily Totals		\$1108.65		\$1307.45	\$138.58	\$163.43
Crew B-10D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Dozer, 200 H.P.		838.95		922.85		
1 Sheepsft. Roller, Towed		124.90		137.40	120.48	132.53
8 L.H., Daily Totals		\$1120.65		\$1320.65	\$140.08	\$165.08
Crew B-10E	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Tandem Roller, 5 Ton		152.85		168.15	19.11	21.02
8 L.H., Daily Totals		\$309.65		\$428.55	\$38.71	\$53.57
Crew B-10F	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Tandem Roller, 10 Ton		245.10		269.60	30.64	33.70
8 L.H., Daily Totals		\$401.90		\$530.00	\$50.24	\$66.25
Crew B-10G	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Sheepsft. Roll., 130 H.P.		558.70		614.55	69.84	76.82
8 L.H., Daily Totals		\$715.50		\$874.95	\$89.44	\$109.37
Crew B-10H	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Diaphr. Water Pump, 2"		29.15		32.05		
1-20 Ft. Suction Hose, 2"		6.50		7.15		
2-50 Ft. Disch. Hoses, 2"		8.80		9.70	5.56	6.11
8 L.H., Daily Totals		\$201.25		\$309.30	\$25.16	\$38.66
Crew B-10I	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Diaphr. Water Pump, 4"		64.40		70.85		
1-20 Ft. Suction Hose, 4"		12.50		13.75		
2-50 Ft. Disch. Hoses, 4"		17.00		18.70	11.74	12.91
8 L.H., Daily Totals		\$250.70		\$363.70	\$31.34	\$45.46
Crew B-10J	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Centr. Water Pump, 3"		37.90		41.70		
1-20 Ft. Suction Hose, 3"		9.50		10.45		
2-50 Ft. Disch. Hoses, 3"		10.80		11.90	7.28	8.00
8 L.H., Daily Totals		\$215.00		\$324.45	\$26.88	\$40.55
Crew B-10K	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Centr. Water Pump, 6"		159.45		175.40		
1-20 Ft. Suction Hose, 6"		21.50		23.65		
2-50 Ft. Disch. Hoses, 6"		39.00		42.90	27.49	30.24
8 L.H., Daily Totals		\$376.75		\$502.35	\$47.09	\$62.79
Crew B-10L	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Dozer, 75 H.P.		307.75		338.50	38.47	42.32
8 L.H., Daily Totals		\$464.55		\$598.90	\$58.07	\$74.87



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew B-10M	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Dozer, 300 H.P.		1131.00		1244.10	141.38	155.51
8 L.H., Daily Totals		\$1287.80		\$1504.50	\$160.98	\$188.06
Crew B-10N	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 F.E. Loader, T.M., 1.5 C.Y.		350.10		385.10	43.76	48.14
8 L.H., Daily Totals		\$506.90		\$645.50	\$63.36	\$80.69
Crew B-10O	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 F.E. Loader, T.M., 2.25 C.Y.		510.40		561.45	63.80	70.18
8 L.H., Daily Totals		\$667.20		\$821.85	\$83.40	\$102.73
Crew B-10P	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 F.E. Loader, T.M., 2.5 C.Y.		865.10		951.60	108.14	118.95
8 L.H., Daily Totals		\$1021.90		\$1212.00	\$127.74	\$151.50
Crew B-10Q	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 F.E. Loader, T.M., 5 C.Y.		1142.00		1256.20	142.75	157.03
8 L.H., Daily Totals		\$1298.80		\$1516.60	\$162.35	\$189.58
Crew B-10R	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 F.E. Loader, W.M., 1 C.Y.		244.65		269.10	30.58	33.64
8 L.H., Daily Totals		\$401.45		\$529.50	\$50.18	\$66.19
Crew B-10S	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 F.E. Loader, W.M., 1.5 C.Y.		320.10		352.10	40.01	44.01
8 L.H., Daily Totals		\$476.90		\$612.50	\$59.61	\$76.56
Crew B-10T	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 F.E. Ldr, W.M., 2.5CY		450.50		495.55	56.31	61.94
8 L.H., Daily Totals		\$607.30		\$755.95	\$75.91	\$94.49
Crew B-10U	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 F.E. Loader, W.M., 5.5 C.Y.		926.50		1019.15	115.81	127.39
8 L.H., Daily Totals		\$1083.30		\$1279.55	\$135.41	\$159.94
Crew B-10V	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Dozer, 700 H.P.		2765.00		3041.50	345.63	380.19
8 L.H., Daily Totals		\$2921.80		\$3301.90	\$365.23	\$412.74
Crew B-10W	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Dozer, 105 H.P.		417.45		459.20	52.18	57.40
8 L.H., Daily Totals		\$574.25		\$719.60	\$71.78	\$89.95
Crew B-10X	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Dozer, 410 H.P.		1380.00		1518.00	172.50	189.75
8 L.H., Daily Totals		\$1536.80		\$1778.40	\$192.10	\$222.30

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew B-10Y	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Vibratory Drum Roller		351.85		387.05	43.98	48.38
8 L.H., Daily Totals		\$508.65		\$647.45	\$63.58	\$80.93
Crew B-11	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$16.77	\$28.23
1 Laborer	13.95	111.60	23.90	191.20		
16 L.H., Daily Totals		\$268.40		\$451.60	\$16.77	\$28.23
Crew B-11A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$16.77	\$28.23
1 Laborer	13.95	111.60	23.90	191.20		
1 Dozer, 200 H.P.		838.95		922.85	52.43	57.68
16 L.H., Daily Totals		\$1107.35		\$1374.45	\$69.20	\$85.91
Crew B-11B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$16.77	\$28.23
1 Laborer	13.95	111.60	23.90	191.20		
1 Dozer, 200 H.P.		838.95		922.85		
1 Air Powered Tamper		14.80		16.30		
1 Air Compr. 365 C.F.M.		174.30		191.75		
2.50 Ft. Air Hoses, 1.5" Dia.		16.40		18.05	65.28	71.81
16 L.H., Daily Totals		\$1312.85		\$1600.55	\$82.05	\$100.04
Crew B-11C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$16.77	\$28.23
1 Laborer	13.95	111.60	23.90	191.20		
1 Backhoe Loader, 48 H.P.		218.80		240.70	13.68	15.04
16 L.H., Daily Totals		\$487.20		\$692.30	\$30.45	\$43.27
Crew B-11K	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$16.77	\$28.23
1 Laborer	13.95	111.60	23.90	191.20		
1 Trencher, 8' D., 16" W.		535.90		589.50	33.49	36.84
16 L.H., Daily Totals		\$804.30		\$1041.10	\$50.26	\$65.07
Crew B-11L	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$16.77	\$28.23
1 Laborer	13.95	111.60	23.90	191.20		
1 Grader, 30,000 Lbs.		575.55		633.10	35.97	39.57
16 L.H., Daily Totals		\$843.95		\$1084.70	\$52.74	\$67.80
Crew B-11M	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$16.77	\$28.23
1 Laborer	13.95	111.60	23.90	191.20		
1 Backhoe Loader, 80 H.P.		290.10		319.10	18.13	19.94
16 L.H., Daily Totals		\$558.50		\$770.70	\$34.90	\$48.17
Crew B-12	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
8 L.H., Daily Totals		\$162.00		\$269.20	\$20.25	\$33.65
Crew B-12A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Hyd. Excavator, 1 C.Y.		547.60		602.35	68.45	75.30
8 L.H., Daily Totals		\$709.60		\$871.55	\$88.70	\$108.95



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew B-12B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Hyd. Excavator, 1.5 C.Y.		712.70		783.95	89.09	98.00
8 L.H., Daily Totals		\$874.70		\$1053.15	\$109.34	\$131.65
Crew B-12C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Hyd. Excavator, 2 C.Y.		1023.00		1125.30	127.88	140.66
8 L.H., Daily Totals		\$1185.00		\$1394.50	\$148.13	\$174.31
Crew B-12D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Hyd. Excavator, 3.5 C.Y.		2156.00		2371.60	269.50	296.45
8 L.H., Daily Totals		\$2318.00		\$2640.80	\$289.75	\$330.10
Crew B-12E	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Hyd. Excavator, .5 C.Y.		336.45		370.10	42.06	46.26
8 L.H., Daily Totals		\$498.45		\$639.30	\$62.31	\$79.91
Crew B-12F	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Hyd. Excavator, .75 C.Y.		449.10		494.00	56.14	61.75
8 L.H., Daily Totals		\$611.10		\$763.20	\$76.39	\$95.40
Crew B-12G	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Power Shovel, .5 C.Y.		472.00		519.20		
1 Clamshell Bucket, .5 C.Y.		49.90		54.90	65.24	71.76
8 L.H., Daily Totals		\$683.90		\$843.30	\$85.49	\$105.41
Crew B-12H	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Power Shovel, 1 C.Y.		506.80		557.50		
1 Clamshell Bucket, 1 C.Y.		67.10		73.80	71.74	78.91
8 L.H., Daily Totals		\$735.90		\$900.50	\$91.99	\$112.56
Crew B-12I	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Power Shovel, .75 C.Y.		491.60		540.75		
1 Dragline Bucket, .75 C.Y.		33.55		36.90	65.64	72.21
8 L.H., Daily Totals		\$687.15		\$846.85	\$85.89	\$105.86
Crew B-12J	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Gradall, 3 Ton, .5 C.Y.		636.75		700.40	79.59	87.55
8 L.H., Daily Totals		\$798.75		\$969.60	\$99.84	\$121.20
Crew B-12K	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Gradall, 3 Ton, 1 C.Y.		805.75		886.35	100.72	110.79
8 L.H., Daily Totals		\$967.75		\$1155.55	\$120.97	\$144.44
Crew B-12L	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Power Shovel, .5 C.Y.		472.00		519.20		
1 F.E. Attachment, .5 C.Y.		55.05		60.55	65.88	72.47
8 L.H., Daily Totals		\$689.05		\$848.95	\$86.13	\$106.12

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew B-12M	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Power Shovel, .75 C.Y.		491.60		540.75		
1 F.E. Attachment, .75 C.Y.		102.50		112.75	74.26	81.69
8 L.H., Daily Totals		\$756.10		\$922.70	\$94.51	\$115.34
Crew B-12N	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Power Shovel, 1 C.Y.		506.80		557.50		
1 F.E. Attachment, 1 C.Y.		131.00		144.10	79.73	87.70
8 L.H., Daily Totals		\$799.80		\$970.80	\$99.98	\$121.35
Crew B-12O	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Power Shovel, 1.5 C.Y.		704.30		774.75		
1 F.E. Attachment, 1.5 C.Y.		159.70		175.65	108.00	118.80
8 L.H., Daily Totals		\$1026.00		\$1219.60	\$128.25	\$152.45
Crew B-12P	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Crawler Crane, 40 Ton		704.30		774.75		
1 Dragline Bucket, 1.5 C.Y.		48.15		52.95	94.06	103.46
8 L.H., Daily Totals		\$914.45		\$1096.90	\$114.31	\$137.11
Crew B-12Q	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Hyd. Excavator, 5/8 C.Y.		394.25		433.70	49.28	54.21
8 L.H., Daily Totals		\$556.25		\$702.90	\$69.53	\$87.86
Crew B-12R	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Hyd. Excavator, 1.5 C.Y.		712.70		783.95	89.09	98.00
8 L.H., Daily Totals		\$874.70		\$1053.15	\$109.34	\$131.65
Crew B-12S	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Hyd. Excavator, 2.5 C.Y.		1695.00		1864.50	211.88	233.06
8 L.H., Daily Totals		\$1857.00		\$2133.70	\$232.13	\$266.71
Crew B-12T	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Crawler Crane, 75 Ton		929.30		1022.25		
1 F.E. Attachment, 3 C.Y.		300.15		330.15	153.68	169.05
8 L.H., Daily Totals		\$1391.45		\$1621.60	\$173.93	\$202.70
Crew B-12V	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$20.25	\$33.65
1 Crawler Crane, 75 Ton		929.30		1022.25		
1 Dragline Bucket, 3 C.Y.		82.70		90.95	126.50	139.15
8 L.H., Daily Totals		\$1174.00		\$1382.40	\$146.75	\$172.80
Crew B-13	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.33	\$26.10
4 Laborers	13.95	446.40	23.90	764.80		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Hyd. Crane, 25 Ton		549.35		604.30	11.44	12.59
48 L.H., Daily Totals		\$1285.35		\$1857.10	\$26.77	\$38.69



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-13A</b>						
1 Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$16.35	\$27.54
2 Laborers	13.95	223.20	23.90	382.40		
2 Equipment Operator	19.60	313.60	32.55	520.80		
2 Truck Drivers (heavy)	15.70	251.20	26.25	420.00		
1 Crane, 75 Ton		929.30		1022.25		
1 F.E. Lder, 3.75 C.Y.		1142.00		1256.20		
2 Dump Trucks, 12 Ton		728.60		801.45	50.00	55.00
56 L.H., Daily Totals		\$3715.50		\$4621.90	\$66.35	\$82.54
<b>Crew B-13B</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.51	\$26.31
4 Laborers	13.95	446.40	23.90	764.80		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Equip. Oper. Oiler	16.60	132.80	27.55	220.40		
1 Hyd. Crane, 55 Ton		793.10		872.40	14.16	15.58
56 L.H., Daily Totals		\$1661.90		\$2345.60	\$29.67	\$41.89
<b>Crew B-13C</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.51	\$26.31
4 Laborers	13.95	446.40	23.90	764.80		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Equip. Oper. Oiler	16.60	132.80	27.55	220.40		
1 Crawler Crane, 100 Ton		1131.00		1244.10	20.20	22.22
56 L.H., Daily Totals		\$1999.80		\$2717.30	\$35.71	\$48.53
<b>Crew B-14</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.08	\$25.68
4 Laborers	13.95	446.40	23.90	764.80		
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Backhoe Loader, 48 H.P.		218.80		240.70	4.56	5.01
48 L.H., Daily Totals		\$942.80		\$1473.50	\$19.64	\$30.69
<b>Crew B-15</b>						
1 Equipment Oper. (med)	\$19.60	\$156.80	\$32.55	\$260.40	\$16.56	\$27.71
.5 Laborer	13.95	55.80	23.90	95.60		
2 Truck Drivers (heavy)	15.70	251.20	26.25	420.00		
2 Dump Trucks, 16 Ton		884.50		972.95		
1 Dozer, 200 H.P.		838.95		922.85	61.55	67.71
28 L.H., Daily Totals		\$2187.25		\$2671.80	\$78.11	\$95.42
<b>Crew B-16</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.89	\$25.35
2 Laborers	13.95	223.20	23.90	382.40		
1 Truck Driver (heavy)	15.70	125.60	26.25	210.00		
1 Dump Truck, 16 Ton		442.25		486.50	13.82	15.20
32 L.H., Daily Totals		\$918.65		\$1297.70	\$28.71	\$40.55
<b>Crew B-17</b>						
2 Laborers	\$13.95	\$223.20	\$23.90	\$382.40	\$15.59	\$26.30
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Truck Driver (heavy)	15.70	125.60	26.25	210.00		
1 Backhoe Loader, 48 H.P.		218.80		240.70		
1 Dump Truck, 12 Ton		364.30		400.75	18.22	20.04
32 L.H., Daily Totals		\$1081.90		\$1483.05	\$33.81	\$46.34
<b>Crew B-18</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.62	\$25.05
2 Laborers	13.95	223.20	23.90	382.40		
1 Vibrating Compactor		52.00		57.20	2.17	2.38
24 L.H., Daily Totals		\$402.80		\$658.40	\$16.79	\$27.43

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-19</b>						
1 Pile Driver Foreman	\$21.05	\$168.40	\$39.30	\$314.40	\$18.78	\$34.18
4 Pile Drivers	19.05	609.60	35.60	1139.20		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Building Laborer	13.95	111.60	23.90	191.20		
1 Crane, 40 Ton & Access.		704.30		774.75		
60 L.F. Leads, 15K Ft. Lbs.		105.00		115.50		
1 Hammer, 15K Ft. Lbs.		321.75		353.95		
1 Air Compr., 600 C.F.M.		272.90		300.20		
2-50 Ft. Air Hoses, 3" Dia.		33.70		37.05	25.67	28.24
56 L.H., Daily Totals		\$2489.25		\$3495.45	\$44.45	\$62.42
<b>Crew B-19A</b>						
1 Pile Driver Foreman	\$21.05	\$168.40	\$39.30	\$314.40	\$19.29	\$34.57
4 Pile Drivers	19.05	609.60	35.60	1139.20		
2 Equip. Oper. (crane)	20.25	324.00	33.65	538.40		
1 Equip. Oper. Oiler	16.60	132.80	27.55	220.40		
1 Crawler Crane, 75 Ton		929.30		1022.25		
60 Leads, 25K ft.lbs		126.00		138.60		
1 Air Compressor, 750 CFM		288.55		317.40		
4-50 Ft. Air Hose, 3" Dia.		67.40		74.15	22.05	24.26
64 L.H., Daily Totals		\$2646.05		\$3764.80	\$41.34	\$58.83
<b>Crew B-20</b>						
1 Labor Foreman (out)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.62	\$25.05
2 Laborer	13.95	223.20	23.90	382.40		
24 L.H., Daily Totals		\$350.80		\$601.20	\$14.62	\$25.05
<b>Crew B-20A</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$17.15	\$28.83
1 Laborer	13.95	111.60	23.90	191.20		
1 Plumber	21.50	172.00	35.60	284.80		
1 Plumber Apprentice	17.20	137.60	28.45	227.60		
32 L.H., Daily Totals		\$548.80		\$922.40	\$17.15	\$28.83
<b>Crew B-21</b>						
1 Labor Foreman (out)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.42	\$26.28
2 Laborer	13.95	223.20	23.90	382.40		
.5 Equip. Oper. (crane)	20.25	81.00	33.65	134.60		
.5 S.P. Crane, 5 Ton		135.73		149.30	4.85	5.33
28 L.H., Daily Totals		\$567.53		\$885.10	\$20.27	\$31.61
<b>Crew B-21A</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$17.77	\$29.79
1 Laborer	13.95	111.60	23.90	191.20		
1 Plumber	21.50	172.00	35.60	284.80		
1 Plumber Apprentice	17.20	137.60	28.45	227.60		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 S.P. Crane, 12 Ton		391.35		430.50	9.78	10.76
40 L.H., Daily Totals		\$1102.15		\$1622.10	\$27.55	\$40.55
<b>Crew B-22</b>						
1 Labor Foreman (out)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.74	\$26.77
2 Laborer	13.95	223.20	23.90	382.40		
.75 Equip. Oper. (crane)	20.25	121.50	33.65	201.90		
.75 S.P. Crane, 5 Ton		203.59		223.95	6.79	7.46
30 L.H., Daily Totals		\$675.89		\$1027.05	\$22.53	\$34.23



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew B-22A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (out)	\$15.95	\$127.60	\$27.35	\$218.80	\$16.48	\$28.09
1 Skilled Worker	19.25	154.00	33.05	264.40		
2 Laborers	13.95	223.20	23.90	382.40		
.75 Equipment Oper. (crane)	20.25	121.50	33.65	201.90		
.75 Crane, 5 Ton		203.59		223.95		
1 Generator, 5 KW		45.90		50.50		
1 Butt Fusion Machine		.45		.50	6.58	7.24
38 L.H., Daily Totals		\$876.24		\$1342.45	\$23.06	\$35.33
Crew B-22B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Skilled Worker	\$19.25	\$154.00	\$33.05	\$264.40	\$16.60	\$28.48
1 Laborer	13.95	111.60	23.90	191.20		
1 Electro Fusion Machine		.45		.50	.03	.03
16 L.H., Daily Totals		\$266.05		\$456.10	\$16.63	\$28.51
Crew B-23	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.35	\$24.59
4 Laborers	13.95	446.40	23.90	764.80		
1 Drill Rig, Wells		1776.00		1953.60		
1 Light Truck, 3 Ton		179.45		197.40	48.89	53.77
40 L.H., Daily Totals		\$2529.45		\$3134.60	\$63.24	\$78.36
Crew B-23A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$16.50	\$27.93
1 Laborers	13.95	111.60	23.90	191.20		
1 Equip. Operator, medium	19.60	156.80	32.55	260.40		
1 Drill Rig, Wells		1776.00		1953.60		
1 Pickup Truck, 3/4 Ton		128.95		141.85	79.37	87.31
24 L.H., Daily Totals		\$2300.95		\$2765.85	\$95.87	\$115.24
Crew B-23B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$16.50	\$27.93
1 Laborers	13.95	111.60	23.90	191.20		
1 Equip. Operator, medium	19.60	156.80	32.55	260.40		
1 Drill Rig, Wells		1776.00		1953.60		
1 Pickup Truck, 3/4 Ton		128.95		141.85		
1 Pump, Cntfgl, 6"		159.45		175.40	86.02	94.62
24 L.H., Daily Totals		\$2460.40		\$2941.25	\$102.52	\$122.55
Crew B-24	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Cement Finisher	\$18.30	\$146.40	\$29.85	\$238.80	\$17.12	\$28.83
1 Laborer	13.95	111.60	23.90	191.20		
1 Carpenter	19.10	152.80	32.75	262.00		
24 L.H., Daily Totals		\$410.80		\$692.00	\$17.12	\$28.83
Crew B-25	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$15.67	\$26.57
7 Laborers	13.95	781.20	23.90	1338.40		
3 Equip. Oper. (med.)	19.60	470.40	32.55	781.20		
1 Asphalt Paver, 130 H.P.		1299.00		1428.90		
1 Tandem Roller, 10 Ton		245.10		269.60		
1 Roller, Pneumatic Wheel		244.20		268.60	20.32	22.35
88 L.H., Daily Totals		\$3167.50		\$4305.50	\$35.99	\$48.92

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew B-25B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$16.00	\$27.07
7 Laborers	13.95	781.20	23.90	1338.40		
4 Equip. Oper. (medium)	19.60	627.20	32.55	1041.60		
1 Asphalt Paver, 130 H.P.		1299.00		1428.90		
2 Rollers, Steel Wheel		490.20		539.20		
1 Roller, Pneumatic Wheel		244.20		268.60	21.18	23.30
96 L.H., Daily Totals		\$3569.40		\$4835.50	\$37.18	\$50.37
Crew B-26	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$16.14	\$27.61
6 Laborers	13.95	669.60	23.90	1147.20		
2 Equip. Oper. (med.)	19.60	313.60	32.55	520.80		
1 Rodman (reinf.)	20.35	162.80	38.05	304.40		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Grader, 30,000 Lbs.		575.55		633.10		
1 Paving Mach. & Equip.		1321.00		1453.10	21.55	23.71
88 L.H., Daily Totals		\$3316.55		\$4516.20	\$37.69	\$51.32
Crew B-27	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.45	\$24.76
3 Laborers	13.95	334.80	23.90	573.60		
1 Berm Machine		70.30		77.35	2.20	2.42
32 L.H., Daily Totals		\$532.70		\$869.75	\$16.65	\$27.18
Crew B-28	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$19.10	\$305.60	\$32.75	\$524.00	\$17.38	\$29.80
1 Laborer	13.95	111.60	23.90	191.20		
24 L.H., Daily Totals		\$417.20		\$715.20	\$17.38	\$29.80
Crew B-29	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.33	\$26.10
4 Laborers	13.95	446.40	23.90	764.80		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Gradall, 3 Ton, 1/2 C.Y.		636.75		700.40	13.27	14.59
48 L.H., Daily Totals		\$1372.75		\$1953.20	\$28.60	\$40.69
Crew B-30	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$17.00	\$28.35
2 Truck Drivers (heavy)	15.70	251.20	26.25	420.00		
1 Hyd. Excavator, 1.5 C.Y.		712.70		783.95		
2 Dump Trucks, 16 Ton		884.50		972.95	66.55	73.21
24 L.H., Daily Totals		\$2005.20		\$2437.30	\$83.55	\$101.56
Crew B-31	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.35	\$24.59
4 Laborers	13.95	446.40	23.90	764.80		
1 Air Compr., 250 C.F.M.		124.90		137.40		
1 Sheeting Driver		11.20		12.30		
2-50 Ft. Air Hoses, 1.5" Dia.		16.40		18.05	3.81	4.19
40 L.H., Daily Totals		\$726.50		\$1151.35	\$18.16	\$28.78
Crew B-32	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$18.19	\$30.39
3 Equip. Oper. (med.)	19.60	470.40	32.55	781.20		
1 Grader, 30,000 Lbs.		575.55		633.10		
1 Tandem Roller, 10 Ton		245.10		269.60		
1 Dozer, 200 H.P.		838.95		922.85	51.86	57.05
32 L.H., Daily Totals		\$2241.60		\$2797.95	\$70.05	\$87.44



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-32A</b>						
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$17.72	\$29.67
2 Equip. Oper. (medium)	19.60	313.60	32.55	520.80		
1 Grader, 30,000 Lbs.		575.55		633.10		
1 Roller, Vibratory, 29,000 Lbs.		421.75		463.95	41.55	45.71
24 L.H., Daily Totals		\$1422.50		\$1809.05	\$59.27	\$75.38
<b>Crew B-32B</b>						
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$17.72	\$29.67
2 Equip. Oper. (medium)	19.60	313.60	32.55	520.80		
1 Dozer, 200 H.P.		838.95		922.85		
1 Roller, Vibratory, 29,000 Lbs.		421.75		463.95	52.53	57.78
24 L.H., Daily Totals		\$1685.90		\$2098.80	\$70.25	\$87.45
<b>Crew B-32C</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$17.11	\$28.80
2 Laborers	13.95	223.20	23.90	382.40		
3 Equip. Oper. (medium)	19.60	470.40	32.55	781.20		
1 Grader, 30,000 Lbs.		575.55		633.10		
1 Roller, Steel Wheel		245.10		269.60		
1 Dozer, 200 H.P.		838.95		922.85	34.58	38.03
48 L.H., Daily Totals		\$2480.80		\$3207.95	\$51.69	\$66.83
<b>Crew B-33</b>						
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
.25 Equip. Oper. (med.)	19.60	39.20	32.55	65.10		
10 L.H., Daily Totals		\$196.00		\$325.50	\$19.60	\$32.55
<b>Crew B-33A</b>						
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
.25 Equip. Oper. (med.)	19.60	39.20	32.55	65.10		
1 Scraper, Towed, 7 C.Y.		77.50		85.25		
1 Dozer, 300 H.P.		1131.00		1244.10		
.25 Dozer, 300 H.P.		282.75		311.00	149.13	164.04
10 L.H., Daily Totals		\$1687.25		\$1965.85	\$168.73	\$196.59
<b>Crew B-33B</b>						
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
.25 Equip. Oper. (med.)	19.60	39.20	32.55	65.10		
1 Scraper, Towed, 10 C.Y.		202.45		222.70		
1 Dozer, 300 H.P.		1131.00		1244.10		
.25 Dozer, 300 H.P.		282.75		311.00	161.62	177.78
10 L.H., Daily Totals		\$1812.20		\$2103.30	\$181.22	\$210.33
<b>Crew B-33C</b>						
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
.25 Equip. Oper. (med.)	19.60	39.20	32.55	65.10		
1 Scraper, Towed, 12 C.Y.		202.45		222.70		
1 Dozer, 300 H.P.		1131.00		1244.10		
.25 Dozer, 300 H.P.		282.75		311.00	161.62	177.78
10 L.H., Daily Totals		\$1812.20		\$2103.30	\$181.22	\$210.33
<b>Crew B-33D</b>						
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
.25 Equip. Oper. (med.)	19.60	39.20	32.55	65.10		
1 S.P. Scraper, 14 C.Y.		1617.00		1778.70		
.25 Dozer, 300 H.P.		282.75		311.00	189.98	208.97
10 L.H., Daily Totals		\$2095.75		\$2415.20	\$209.58	\$241.52

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-33E</b>						
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
.25 Equip. Oper. (med.)	19.60	39.20	32.55	65.10		
1 S.P. Scraper, 24 C.Y.		1912.00		2103.20		
.25 Dozer, 300 H.P.		282.75		311.00	219.48	241.42
10 L.H., Daily Totals		\$2390.75		\$2739.70	\$239.08	\$273.97
<b>Crew B-33F</b>						
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
.25 Equip. Oper. (med.)	19.60	39.20	32.55	65.10		
1 Elev. Scraper, 11 C.Y.		688.55		757.40		
.25 Dozer, 300 H.P.		282.75		311.00	97.13	106.84
10 L.H., Daily Totals		\$1167.30		\$1393.90	\$116.73	\$139.39
<b>Crew B-33G</b>						
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
.25 Equip. Oper. (med.)	19.60	39.20	32.55	65.10		
1 Elev. Scraper, 20 C.Y.		984.55		1083.00		
.25 Dozer, 300 H.P.		282.75		311.00	126.73	139.40
10 L.H., Daily Totals		\$1463.30		\$1719.50	\$146.33	\$171.95
<b>Crew B-34A</b>						
1 Truck Driver (heavy)	\$15.70	\$125.60	\$26.25	\$210.00	\$15.70	\$26.25
1 Dump Truck, 12 Ton		364.30		400.75	45.54	50.09
8 L.H., Daily Totals		\$489.90		\$610.75	\$61.24	\$76.34
<b>Crew B-34B</b>						
1 Truck Driver (heavy)	\$15.70	\$125.60	\$26.25	\$210.00	\$15.70	\$26.25
1 Dump Truck, 16 Ton		442.25		486.50	55.28	60.81
8 L.H., Daily Totals		\$567.85		\$696.50	\$70.98	\$87.06
<b>Crew B-34C</b>						
1 Truck Driver (heavy)	\$15.70	\$125.60	\$26.25	\$210.00	\$15.70	\$26.25
1 Truck Tractor, 40 Ton		426.30		468.95		
1 Dump Trailer, 16.5 C.Y.		132.60		145.85	69.86	76.85
8 L.H., Daily Totals		\$684.50		\$824.80	\$85.56	\$103.10
<b>Crew B-34D</b>						
1 Truck Driver (heavy)	\$15.70	\$125.60	\$26.25	\$210.00	\$15.70	\$26.25
1 Truck Tractor, 40 Ton		426.30		468.95		
1 Dump Trailer, 20 C.Y.		135.10		148.60	70.18	77.19
8 L.H., Daily Totals		\$687.00		\$827.55	\$85.88	\$103.44
<b>Crew B-34E</b>						
1 Truck Driver (heavy)	\$15.70	\$125.60	\$26.25	\$210.00	\$15.70	\$26.25
1 Truck, Off Hwy., 25 Ton		699.00		768.90	87.38	96.11
8 L.H., Daily Totals		\$824.60		\$978.90	\$103.08	\$122.36
<b>Crew B-34F</b>						
1 Truck Driver (heavy)	\$15.70	\$125.60	\$26.25	\$210.00	\$15.70	\$26.25
1 Truck, Off Hwy., 22 C.Y.		1038.00		1141.80	129.75	142.73
8 L.H., Daily Totals		\$1163.60		\$1351.80	\$145.45	\$168.98
<b>Crew B-34G</b>						
1 Truck Driver (heavy)	\$15.70	\$125.60	\$26.25	\$210.00	\$15.70	\$26.25
1 Truck, Off Hwy., 34 C.Y.		1400.00		1540.00	175.00	192.50
8 L.H., Daily Totals		\$1525.60		\$1750.00	\$190.70	\$218.75



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-34H</b>						
1 Truck Driver (heavy)	\$15.70	\$125.60	\$26.25	\$210.00	\$15.70	\$26.25
1 Truck, Off Hwy., 42 C.Y.		1598.00		1757.80	199.75	219.73
8 L.H., Daily Totals		\$1723.60		\$1967.80	\$215.45	\$245.98
<b>Crew B-34J</b>						
1 Truck Driver (heavy)	\$15.70	\$125.60	\$26.25	\$210.00	\$15.70	\$26.25
1 Truck, Off Hwy., 60 C.Y.		2238.00		2461.80	279.75	307.73
8 L.H., Daily Totals		\$2363.60		\$2671.80	\$295.45	\$333.98
<b>Crew B-34K</b>						
1 Truck Driver (heavy)	\$15.70	\$125.60	\$26.25	\$210.00	\$15.70	\$26.25
1 Truck Tractor, 240 H.P.		530.20		583.20		
1 Low Bed Trailer		383.75		422.15	114.24	125.67
8 L.H., Daily Totals		\$1039.55		\$1215.35	\$129.94	\$151.92
<b>Crew B-35</b>						
1 Laborer Foreman (out)	\$15.95	\$127.60	\$27.35	\$218.80	\$18.18	\$30.71
1 Skilled Worker	19.25	154.00	33.05	264.40		
1 Welder (plumber)	21.50	172.00	35.60	284.80		
1 Laborer	13.95	111.60	23.90	191.20		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Electric Welding Mach.		49.70		54.65		
1 Hyd. Excavator, .75 C.Y.		449.10		494.00	12.47	13.72
40 L.H., Daily Totals		\$1226.00		\$1777.05	\$30.65	\$44.43
<b>Crew B-35A</b>						
1 Laborer Foreman (out)	\$15.95	\$127.60	\$27.35	\$218.80	\$17.35	\$29.29
2 Laborers	13.95	223.20	23.90	382.40		
1 Skilled Worker	19.25	154.00	33.05	264.40		
1 Welder (plumber)	21.50	172.00	35.60	284.80		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Equip. Oper. Oiler	16.60	132.80	27.55	220.40		
1 Welder, 300 amp		82.35		90.60		
1 Crane, 75 Ton		929.30		1022.25	18.07	19.87
56 L.H., Daily Totals		\$1983.25		\$2752.85	\$35.42	\$49.16
<b>Crew B-36</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$16.61	\$28.05
2 Laborers	13.95	223.20	23.90	382.40		
2 Equip. Oper. (med.)	19.60	313.60	32.55	520.80		
1 Dozer, 200 H.P.		838.95		922.85		
1 Aggregate Spreader		71.05		78.15		
1 Tandem Roller, 10 Ton		245.10		269.60	28.88	31.77
40 L.H., Daily Totals		\$1819.50		\$2392.60	\$45.49	\$59.82
<b>Crew B-36A</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$17.46	\$29.34
2 Laborers	13.95	223.20	23.90	382.40		
4 Equip. Oper. (med.)	19.60	627.20	32.55	1041.60		
1 Dozer, 200 H.P.		838.95		922.85		
1 Aggregate Spreader		71.05		78.15		
1 Roller, Steel Wheel		245.10		269.60		
1 Roller, Pneumatic Wheel		244.20		268.60	24.99	27.49
56 L.H., Daily Totals		\$2377.30		\$3182.00	\$42.45	\$56.83

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-36B</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$17.24	\$28.95
2 Laborers	13.95	223.20	23.90	382.40		
4 Equip. Oper. (medium)	19.60	627.20	32.55	1041.60		
1 Truck Driver, Heavy	15.70	125.60	26.25	210.00		
1 Grader, 30,000 Lbs.		575.55		633.10		
1 F.E. Loader, cri, 1.5 C.Y.		399.70		439.65		
1 Dozer, 300 H.P.		1131.00		1244.10		
1 Roller, vibratory		421.75		463.95		
1 Truck, Tractor, 240 H.P.		530.20		583.20		
1 Water Tanker, 5000 Gal.		205.10		225.60	50.99	56.09
64 L.H., Daily Totals		\$4366.90		\$5442.40	\$68.23	\$85.04
<b>Crew B-37</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.08	\$25.68
4 Laborers	13.95	446.40	23.90	764.80		
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Tandem Roller, 5 Ton		152.85		168.15	3.18	3.50
48 L.H., Daily Totals		\$876.85		\$1400.95	\$18.26	\$29.18
<b>Crew B-38</b>						
2 Laborers	\$13.95	\$223.20	\$23.90	\$382.40	\$15.55	\$26.32
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Backhoe Loader, 48 H.P.		218.80		240.70		
1 Demol.Hammer,(1200 l		180.15		198.15	16.62	18.29
24 L.H., Daily Totals		\$772.15		\$1070.45	\$32.17	\$44.61
<b>Crew B-39</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.28	\$24.48
5 Laborers	13.95	558.00	23.90	956.00		
1 Air Compr., 250 C.F.M.		124.90		137.40		
2 Air Tools & Accessories		39.00		42.90		
2-50 Ft. Air Hoses, 1.5" Dia.		16.40		18.05	3.76	4.13
48 L.H., Daily Totals		\$865.90		\$1373.15	\$18.04	\$28.61
<b>Crew B-40</b>						
1 Pile Driver Foreman	\$21.05	\$168.40	\$39.30	\$314.40	\$18.78	\$34.18
4 Pile Drivers	19.05	609.60	35.60	1139.20		
1 Building Laborer	13.95	111.60	23.90	191.20		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Crane, 40 Ton		704.30		774.75		
1 Vibratory Hammer & Gen.		1219.00		1340.90	34.34	37.78
56 L.H., Daily Totals		\$2974.90		\$4029.65	\$53.12	\$71.96
<b>Crew B-41</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.72	\$25.14
4 Laborers	13.95	446.40	23.90	764.80		
.25 Equip. Oper. (crane)	20.25	40.50	33.65	67.30		
.25 Equip. Oper. Oiler	16.60	33.20	27.55	55.10		
.25 Crawler Crane, 40 Ton		176.07		193.70	4.00	4.40
44 L.H., Daily Totals		\$823.77		\$1299.70	\$18.72	\$29.54
<b>Crew B-42</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$16.21	\$27.46
4 Laborers	13.95	446.40	23.90	764.80		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Welder	21.50	172.00	35.60	284.80		
1 Hyd. Crane, 25 Ton		549.35		604.30		
1 Gas Welding Machine		82.35		90.60		
1 Horz. Boring Csg. Mch.		490.70		539.75	20.04	22.05
56 L.H., Daily Totals		\$2030.40		\$2772.25	\$36.25	\$49.51



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-43</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.35	\$24.59
4 Laborers	13.95	446.40	23.90	764.80		
1 Drill Rig & Augers		1776.00		1953.60	44.40	48.84
40 L.H., Daily Totals		\$2350.00		\$2937.20	\$58.75	\$73.43
<b>Crew B-44</b>						
1 Pile Driver Foreman	\$21.05	\$168.40	\$39.30	\$314.40	\$18.17	\$32.89
4 Pile Drivers	19.05	609.60	35.60	1139.20		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
2 Laborer	13.95	223.20	23.90	382.40		
1 Crane, 40 Ton, & Access.		704.30		774.75		
45 L.F. Leads, 15K Ft. Lbs.		78.75		86.65	12.24	13.46
64 L.H., Daily Totals		\$1946.25		\$2966.60	\$30.41	\$46.35
<b>Crew B-45</b>						
1 Building Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$14.82	\$25.08
1 Truck Driver (heavy)	15.70	125.60	26.25	210.00		
1 Dist. Tank Truck, 3K Gal.		364.95		401.45	22.81	25.09
16 L.H., Daily Totals		\$602.15		\$802.65	\$37.63	\$50.17
<b>Crew B-46</b>						
1 Pile Driver Foreman	\$21.05	\$168.40	\$39.30	\$314.40	\$16.83	\$30.37
2 Pile Drivers	19.05	304.80	35.60	569.60		
3 Laborers	13.95	334.80	23.90	573.60		
1 Chain Saw, 36" Long		53.05		58.35	1.11	1.22
48 L.H., Daily Totals		\$861.05		\$1515.95	\$17.94	\$31.59
<b>Crew B-47</b>						
1 Blast Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$14.95	\$25.63
1 Driller	13.95	111.60	23.90	191.20		
1 Crawler Type Drill, 4"		311.55		342.70		
1 Air Compr., 600 C.F.M.		272.90		300.20		
2-50 Ft. Air Hoses, 3" Dia.		33.70		37.05	38.63	42.50
16 L.H., Daily Totals		\$857.35		\$1089.95	\$53.58	\$68.13
<b>Crew B-47A</b>						
1 Drilling Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$17.60	\$29.52
1 Equip. Oper. (heavy)	20.25	162.00	33.65	269.20		
1 Oiler	16.60	132.80	27.55	220.40		
1 Quarry Drill		482.05		530.25	20.09	22.09
24 L.H., Daily Totals		\$904.45		\$1238.65	\$37.69	\$51.61
<b>Crew B-47C</b>						
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$16.35	\$27.52
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Air Compressor, 750 CFM		288.55		317.40		
2-50' Air Hose, 3"		33.70		37.05		
1 Air Track Drill, 4"		311.55		342.70	39.61	43.57
16 L.H., Daily Totals		\$895.40		\$1137.55	\$55.96	\$71.09
<b>Crew B-47E</b>						
1 Laborer Forman	\$15.95	\$127.60	\$27.35	\$218.80	\$14.45	\$24.76
3 Laborers	13.95	334.80	23.90	573.60		
1 Truck, Flatbed, 3 ton		179.45		197.40	5.61	6.17
32 L.H., Daily Totals		\$641.85		\$989.80	\$20.06	\$30.93

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-48</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.33	\$26.10
4 Laborers	13.95	446.40	23.90	764.80		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Centr. Water Pump, 6"		159.45		175.40		
1-20 Ft. Suction Hose, 6"		21.50		23.65		
1-50 Ft. Disch. Hose, 6"		19.50		21.45		
1 Drill Rig & Augers		1776.00		1953.60	41.18	45.29
48 L.H., Daily Totals		\$2712.45		\$3426.90	\$56.51	\$71.39
<b>Crew B-49</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$16.01	\$27.97
5 Laborers	13.95	558.00	23.90	956.00		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
2 Pile Drivers	19.05	304.80	35.60	569.60		
1 Hyd. Crane, 25 Ton		549.35		604.30		
1 Centr. Water Pump, 6"		159.45		175.40		
1-20 Ft. Suction Hose, 6"		21.50		23.65		
1-50 Ft. Disch. Hose, 6"		19.50		21.45		
1 Drill Rig & Augers		1776.00		1953.60	35.08	38.59
72 L.H., Daily Totals		\$3678.20		\$4792.00	\$51.09	\$66.56
<b>Crew B-50</b>						
1 Pile Driver Foreman	\$21.05	\$168.40	\$39.30	\$314.40	\$17.33	\$31.23
6 Pile Drivers	19.05	914.40	35.60	1708.80		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
5 Laborers	13.95	558.00	23.90	956.00		
1 Crane, 40 Ton		704.30		774.75		
60 L.F. Leads, 15K Ft. Lbs.		105.00		115.50		
1 Hammer, 15K Ft. Lbs.		321.75		353.95		
1 Air Compr., 600 C.F.M.		272.90		300.20		
2-50 Ft. Air Hoses, 3" Dia.		33.70		37.05		
1 Chain Saw, 36" Long		53.05		58.35	14.33	15.77
104 L.H., Daily Totals		\$3293.50		\$4888.20	\$31.66	\$47.00
<b>Crew B-51</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.53	\$24.79
4 Laborers	13.95	446.40	23.90	764.80		
1 Truck Driver (light)	15.45	123.60	25.80	206.40		
1 Light Truck, 1.5 Ton		171.95		189.15	3.58	3.94
48 L.H., Daily Totals		\$869.55		\$1379.15	\$18.11	\$28.73
<b>Crew B-52</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$15.83	\$27.29
1 Carpenter	19.10	152.80	32.75	262.00		
4 Laborers	13.95	446.40	23.90	764.80		
.5 Rodman (reinf.)	20.35	81.40	38.05	152.20		
.5 Equip. Oper. (med.)	19.60	78.40	32.55	130.20		
.5 F.E. Ldr., T.M., 2.5 C.Y.		432.55		475.80	7.72	8.50
56 L.H., Daily Totals		\$1319.15		\$2003.80	\$23.55	\$35.79
<b>Crew B-53</b>						
1 Building Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$13.95	\$23.90
1 Trencher, Chain, 12 H.P.		97.30		107.05	12.16	13.38
8 L.H., Daily Totals		\$208.90		\$298.25	\$26.11	\$37.28
<b>Crew B-54</b>						
1 Equip. Oper. (light)	\$18.75	\$150.00	\$31.15	\$249.20	\$18.75	\$31.15
1 Trencher, Chain, 40 H.P.		210.90		232.00	26.36	29.00
8 L.H., Daily Totals		\$360.90		\$481.20	\$45.11	\$60.15



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew B-54A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.17 Labor Foreman	\$15.95	\$21.69	\$27.35	\$37.20	\$19.07	\$31.79
1 Equipment Operator (med.)	19.60	156.80	32.55	260.40		
1 Wheel Trencher, 67HP		399.35		439.30	42.67	46.93
9.36 L.H., Daily Totals		\$577.84		\$736.90	\$61.74	\$78.72
Crew B-54B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.25 Labor Foreman	\$15.95	\$31.90	\$27.35	\$54.70	\$18.87	\$31.51
1 Equipment Operator (med.)	19.60	156.80	32.55	260.40		
1 Wheel Trencher, 150HP		565.20		621.70	56.52	62.17
10 L.H., Daily Totals		\$753.90		\$936.80	\$75.39	\$93.68
Crew B-55	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborers	\$13.95	\$111.60	\$23.90	\$191.20	\$14.70	\$24.85
1 Truck Driver (light)	15.45	123.60	25.80	206.40		
1 Auger, 4" to 36" Dia		459.30		505.25		
1 Flatbed 3 Ton Truck		179.45		197.40	39.92	43.91
16 L.H., Daily Totals		\$873.95		\$1100.25	\$54.62	\$68.76
Crew B-56	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborer	\$13.95	\$223.20	\$23.90	\$382.40	\$13.95	\$23.90
1 Crawler Type Drill, 4"		311.55		342.70		
1 Air Compr., 600 C.F.M.		272.90		300.20		
1-50 Ft. Air Hose, 3" Dia.		16.85		18.55	37.58	41.34
16 L.H., Daily Totals		\$824.50		\$1043.85	\$51.53	\$65.24
Crew B-57	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.61	\$26.54
3 Laborers	13.95	334.80	23.90	573.60		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Barge, 400 Ton		452.65		497.90		
1 Power Shovel, 1 C.Y.		506.80		557.50		
1 Clamshell Bucket, 1 C.Y.		67.10		73.80		
1 Centr. Water Pump, 6"		159.45		175.40		
1-20 Ft. Suction Hose, 6"		21.50		23.65		
20-50 Ft. Disch. Hoses, 6"		390.00		429.00	39.94	43.93
40 L.H., Daily Totals		\$2221.90		\$2818.85	\$55.55	\$70.47
Crew B-58	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$13.95	\$223.20	\$23.90	\$382.40	\$15.55	\$26.32
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Backhoe Loader, 48 H.P.		218.80		240.70		
1 Small Helicopter		3510.00		3861.00	155.37	170.90
24 L.H., Daily Totals		\$4102.00		\$4733.30	\$170.92	\$197.22
Crew B-59	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$15.70	\$125.60	\$26.25	\$210.00	\$15.70	\$26.25
1 Truck, 30 Ton		324.05		356.45		
1 Water tank, 5000 Gal.		205.10		225.60	66.14	72.76
8 L.H., Daily Totals		\$654.75		\$792.05	\$81.84	\$99.01
Crew B-60	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$16.13	\$27.31
3 Laborers	13.95	334.80	23.90	573.60		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Crawler Crane, 40 Ton		704.30		774.75		
45 L.F. Leads, 15K Ft. Lbs.		78.75		86.65		
1 Backhoe Loader, 48 H.P.		218.80		240.70	20.87	22.96
48 L.H., Daily Totals		\$1776.25		\$2412.90	\$37.00	\$50.27

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew B-61	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.35	\$24.59
4 Laborers	13.95	446.40	23.90	764.80		
1 Cement Mixer, 2 C.Y.		259.45		285.40		
1 Air Compr., 160 C.F.M.		97.40		107.15	8.92	9.81
40 L.H., Daily Totals		\$930.85		\$1376.15	\$23.27	\$34.40
Crew B-62	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$13.95	\$223.20	\$23.90	\$382.40	\$15.55	\$26.32
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Loader, Skid Steer		111.25		122.40	4.64	5.10
24 L.H., Daily Totals		\$484.45		\$754.00	\$20.19	\$31.42
Crew B-63	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
5 Laborers	\$13.95	\$558.00	\$23.90	\$956.00	\$13.95	\$23.90
1 Loader, Skid Steer		111.25		122.40	2.78	3.06
40 L.H., Daily Totals		\$669.25		\$1078.40	\$16.73	\$26.96
Crew B-64	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$14.70	\$24.85
1 Truck Driver (light)	15.45	123.60	25.80	206.40		
1 Power Mulcher (small)		114.95		126.45		
1 Light Truck, 1.5 Ton		171.95		189.15	17.93	19.72
16 L.H., Daily Totals		\$522.10		\$713.20	\$32.63	\$44.57
Crew B-65	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$14.70	\$24.85
1 Truck Driver (light)	15.45	123.60	25.80	206.40		
1 Power Mulcher (large)		282.35		310.60		
1 Light Truck, 1.5 Ton		171.95		189.15	28.39	31.23
16 L.H., Daily Totals		\$689.50		\$897.35	\$43.09	\$56.08
Crew B-66	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (light)	\$18.75	\$150.00	\$31.15	\$249.20	\$18.75	\$31.15
1 Backhoe Ldr. w/Attchmt.		200.50		220.55	25.06	27.57
8 L.H., Daily Totals		\$350.50		\$469.75	\$43.81	\$58.72
Crew B-67	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Millwright	\$20.15	\$161.20	\$32.95	\$263.60	\$19.45	\$32.05
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Forklift		171.10		188.20	10.69	11.76
16 L.H., Daily Totals		\$482.30		\$701.00	\$30.14	\$43.81
Crew B-68	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Millwrights	\$20.15	\$322.40	\$32.95	\$527.20	\$19.68	\$32.35
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Forklift		171.10		188.20	7.13	7.84
24 L.H., Daily Totals		\$643.50		\$964.60	\$26.81	\$40.19
Crew B-69	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.78	\$26.71
3 Laborers	13.95	334.80	23.90	573.60		
1 Equip Oper. (crane)	20.25	162.00	33.65	269.20		
1 Equip Oper. Oiler	16.60	132.80	27.55	220.40		
1 Truck Crane, 80 Ton		1098.00		1207.80	22.88	25.16
48 L.H., Daily Totals		\$1855.20		\$2489.80	\$38.66	\$51.87



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-69A</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$15.95	\$26.91
3 Laborers	13.95	334.80	23.90	573.60		
1 Equip. Oper. (medium)	19.60	156.80	32.55	260.40		
1 Concrete Finisher	18.30	146.40	29.85	238.80		
1 Curb Paver		453.90		499.30	9.46	10.40
48 L.H., Daily Totals		\$1219.50		\$1790.90	\$25.41	\$37.31
<b>Crew B-69B</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$15.95	\$26.91
3 Laborers	13.95	334.80	23.90	573.60		
1 Equip. Oper. (medium)	19.60	156.80	32.55	260.40		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Curb/Gutter Paver		905.75		996.35	18.87	20.76
48 L.H., Daily Totals		\$1671.35		\$2287.95	\$34.82	\$47.67
<b>Crew B-70</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$16.66	\$28.10
3 Laborers	13.95	334.80	23.90	573.60		
3 Equip. Oper. (med.)	19.60	470.40	32.55	781.20		
1 Motor Grader, 30,000 Lb.		575.55		633.10		
1 Grader Attach., Ripper		62.90		69.20		
1 Road Sweeper, S.P.		194.30		213.75		
1 F.E. Loader, 1-3/4 C.Y.		320.10		352.10	20.59	22.65
56 L.H., Daily Totals		\$2085.65		\$2841.75	\$37.25	\$50.75
<b>Crew B-71</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$16.66	\$28.10
3 Laborers	13.95	334.80	23.90	573.60		
3 Equip. Oper. (med.)	19.60	470.40	32.55	781.20		
1 Pvm. Profiler, 450 H.P.		3431.00		3774.10		
1 Road Sweeper, S.P.		194.30		213.75		
1 F.E. Loader, 1-3/4 C.Y.		320.10		352.10	70.45	77.50
56 L.H., Daily Totals		\$4878.20		\$5913.55	\$87.11	\$105.60
<b>Crew B-72</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$17.02	\$28.66
3 Laborers	13.95	334.80	23.90	573.60		
4 Equip. Oper. (med.)	19.60	627.20	32.55	1041.60		
1 Pvm. Profiler, 450 H.P.		3431.00		3774.10		
1 Hammermill, 250 H.P.		1176.00		1293.60		
1 Windrow Loader		919.85		1011.85		
1 Mix Paver 165 H.P.		1435.00		1578.50		
1 Roller, Pneu. Tire, 12 T.		244.20		268.60	112.59	123.85
64 L.H., Daily Totals		\$8295.65		\$9760.65	\$129.61	\$152.51
<b>Crew B-73</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$17.73	\$29.74
2 Laborers	13.95	223.20	23.90	382.40		
5 Equip. Oper. (med.)	19.60	784.00	32.55	1302.00		
1 Road Mixer, 310 H.P.		993.15		1092.45		
1 Roller, Tandem, 12 Ton		245.10		269.60		
1 Hammermill, 250 H.P.		1176.00		1293.60		
1 Motor Grader, 30,000 Lb.		575.55		633.10		
.5 F.E. Loader, 1-3/4 C.Y.		160.05		176.05		
.5 Truck, 30 Ton		162.02		178.25		
.5 Water Tank 5000 Gal.		102.55		112.80	53.35	58.69
64 L.H., Daily Totals		\$4549.22		\$5659.05	\$71.08	\$88.43

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-74</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$17.46	\$29.24
1 Laborer	13.95	111.60	23.90	191.20		
4 Equip. Oper. (med.)	19.60	627.20	32.55	1041.60		
2 Truck Drivers (heavy)	15.70	251.20	26.25	420.00		
1 Motor Grader, 30,000 Lb.		575.55		633.10		
1 Grader Attach., Ripper		62.90		69.20		
2 Stabilizers, 310 H.P.		1394.10		1533.50		
1 Flatbed Truck, 3 Ton		179.45		197.40		
1 Chem. Spreader, Towed		99.30		109.25		
1 Vibr. Roller, 29,000 Lb.		421.75		463.95		
1 Water Tank 5000 Gal.		205.10		225.60		
1 Truck, 30 Ton		324.05		356.45	50.97	56.07
64 L.H., Daily Totals		\$4379.80		\$5460.05	\$68.43	\$85.31
<b>Crew B-75</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$17.71	\$29.67
1 Laborer	13.95	111.60	23.90	191.20		
4 Equip. Oper. (med.)	19.60	627.20	32.55	1041.60		
1 Truck Driver (heavy)	15.70	125.60	26.25	210.00		
1 Motor Grader, 30,000 Lb.		575.55		633.10		
1 Grader Attach., Ripper		62.90		69.20		
2 Stabilizers, 310 H.P.		1394.10		1533.50		
1 Dist. Truck, 3000 Gal.		364.95		401.45		
1 Vibr. Roller, 29,000 Lb.		421.75		463.95	50.34	55.38
56 L.H., Daily Totals		\$3811.25		\$4762.80	\$68.05	\$85.05
<b>Crew B-76</b>						
1 Dock Builder Foreman	\$21.05	\$168.40	\$39.30	\$314.40	\$19.27	\$34.68
5 Dock Builders	19.05	762.00	35.60	1424.00		
2 Equip. Oper. (crane)	20.25	324.00	33.65	538.40		
1 Equip. Oper. Oiler	16.60	132.80	27.55	220.40		
1 Crawler Crane, 50 Ton		844.70		929.15		
1 Barge, 400 Ton		452.65		497.90		
1 Hammer, 15K Ft. Lbs.		321.75		353.95		
60 L.F. Leads, 15K Ft. Lbs.		105.00		115.50		
1 Air Compr., 600 C.F.M.		272.90		300.20		
250 Ft. Air Hoses, 3" Dia.		33.70		37.05	28.20	31.02
72 L.H., Daily Totals		\$3417.90		\$4730.95	\$47.47	\$65.70
<b>Crew B-77</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$14.65	\$24.97
3 Laborers	13.95	334.80	23.90	573.60		
1 Truck Driver (light)	15.45	123.60	25.80	206.40		
1 Crack Cleaner, 25 H.P.		76.90		84.60		
1 Crack Filler, Trailer Mtd.		144.35		158.80		
1 Flatbed Truck, 3 Ton		179.45		197.40	10.02	11.02
40 L.H., Daily Totals		\$986.70		\$1439.60	\$24.67	\$35.99
<b>Crew B-78</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$14.35	\$24.59
4 Laborers	13.95	446.40	23.90	764.80		
1 Paint Stripper, S.P.		203.75		224.15		
1 Flatbed Truck, 3 Ton		179.45		197.40		
1 Pickup Truck, 3/4 Ton		128.95		141.85	12.80	14.08
40 L.H., Daily Totals		\$1086.15		\$1547.00	\$27.15	\$38.67



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-79</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$14.45	\$24.76
3 Laborers	13.95	334.80	23.90	573.60		
1 Thermo. Stripper, T.M.		243.70		268.05		
1 Flatbed Truck, 3 Ton		179.45		197.40		
2 Pickup Truck, 3/4 Ton		257.90		283.70	21.28	23.41
32 L.H., Daily Totals		\$1143.45		\$1541.55	\$35.73	\$48.17
<b>Crew B-80</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$14.62	\$25.05
2 Laborer	13.95	223.20	23.90	382.40		
1 Flatbed Truck, 3 Ton		179.45		197.40		
1 Fence Post Auger, TM		360.00		396.00	22.48	24.72
24 L.H., Daily Totals		\$890.25		\$1194.60	\$37.10	\$49.77
<b>Crew B-80A</b>						
3 Laborer	\$13.95	\$334.80	\$23.90	\$573.60	\$13.95	\$23.90
1 Flatbed Truck, 3 Ton		179.45		197.40	7.48	8.22
24 L.H., Daily Totals		\$514.25		\$771.00	\$21.43	\$32.12
<b>Crew B-80B</b>						
3 Laborer	\$13.95	\$334.80	\$23.90	\$573.60	\$15.15	\$25.71
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Crane, flatbed mnt		282.80		311.10	8.84	9.72
32 L.H., Daily Totals		\$767.60		\$1133.90	\$23.99	\$35.43
<b>Crew B-81</b>						
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$14.82	\$25.08
1 Truck Driver (heavy)	15.70	125.60	26.25	210.00		
1 Hydromulcher, T.M.		281.75		309.95		
1 Tractor Truck, 4x2		324.05		356.45	37.86	41.65
16 L.H., Daily Totals		\$843.00		\$1067.60	\$52.68	\$66.73
<b>Crew B-82</b>						
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$16.35	\$27.52
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Horiz. Borer, 6 H.P.		47.80		52.60	2.99	3.29
16 L.H., Daily Totals		\$309.40		\$493.00	\$19.34	\$30.81
<b>Crew B-83</b>						
1 Tugboat Captain	\$19.60	\$156.80	\$32.55	\$260.40	\$16.77	\$28.23
1 Tugboat Hand	13.95	111.60	23.90	191.20		
1 Tugboat, 250 H.P.		438.50		482.35	27.41	30.15
16 L.H., Daily Totals		\$706.90		\$933.95	\$44.18	\$58.38
<b>Crew B-84</b>						
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Rotary Mower/Tractor		208.50		229.35	26.06	28.67
8 L.H., Daily Totals		\$365.30		\$489.75	\$45.66	\$61.22
<b>Crew B-85</b>						
3 Laborers	\$13.95	\$334.80	\$23.90	\$573.60	\$15.43	\$26.10
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
1 Truck Driver (heavy)	15.70	125.60	26.25	210.00		
1 Aerial Lift Truck		569.50		626.45		
1 Brush Chipper, 130 H.P.		214.10		235.50		
1 Pruning Saw, Rotary		24.15		26.55	20.19	22.21
40 L.H., Daily Totals		\$1424.95		\$1932.50	\$35.62	\$48.31

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-86</b>						
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Stump Chipper, S.P.		162.40		178.65	20.30	22.33
8 L.H., Daily Totals		\$319.20		\$439.05	\$39.90	\$54.88
<b>Crew B-86A</b>						
1 Equip. Oper. (medium)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Grader, 30,000 Lbs.		575.55		633.10	71.94	79.14
8 L.H., Daily Totals		\$732.35		\$893.50	\$91.54	\$111.69
<b>Crew B-86B</b>						
1 Equip. Oper. (medium)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Dozer, 200 H.P.		838.95		922.85	104.87	115.36
8 L.H., Daily Totals		\$995.75		\$1183.25	\$124.47	\$147.91
<b>Crew B-87</b>						
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$18.47	\$30.82
4 Equip. Oper. (med.)	19.60	627.20	32.55	1041.60		
2 Feller Bunchers, 50 H.P.		779.80		857.80		
1 Log Chipper, 22" Tree		2042.00		2246.20		
1 Dozer, 105 H.P.		307.75		338.50		
1 Chainsaw, Gas, 36" Long		53.05		58.35	79.57	87.52
40 L.H., Daily Totals		\$3921.40		\$4733.65	\$98.04	\$118.34
<b>Crew B-88</b>						
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$18.79	\$31.31
6 Equip. Oper. (med.)	19.60	940.80	32.55	1562.40		
2 Feller Bunchers, 50 H.P.		779.80		857.80		
1 Log Chipper, 22" Tree		2042.00		2246.20		
2 Log Skidders, 50 H.P.		744.30		818.75		
1 Dozer, 105 H.P.		307.75		338.50		
1 Chainsaw, Gas, 36" Long		53.05		58.35	70.12	77.14
56 L.H., Daily Totals		\$4979.30		\$6073.20	\$88.91	\$108.45
<b>Crew B-89</b>						
1 Skilled Worker	\$19.25	\$154.00	\$33.05	\$264.40	\$16.60	\$28.48
1 Building Laborer	13.95	111.60	23.90	191.20		
1 Cutting Machine		45.30		49.85	2.83	3.11
16 L.H., Daily Totals		\$310.90		\$505.45	\$19.43	\$31.59
<b>Crew B-89A</b>						
1 Skilled Worker	\$19.25	\$154.00	\$33.05	\$264.40	\$16.60	\$28.48
1 Laborer	13.95	111.60	23.90	191.20		
1 Core Drill (large)		61.35		67.50	3.83	4.22
16 L.H., Daily Totals		\$326.95		\$523.10	\$20.43	\$32.70
<b>Crew B-89B</b>						
1 Equip. Oper. (light)	\$18.75	\$150.00	\$31.15	\$249.20	\$17.10	\$28.48
1 Truck Driver, Light	15.45	123.60	25.80	206.40		
1 Wall Saw, Hydraulic, 10 H.P.		133.05		146.35		
1 Generator, Diesel, 100 KW		203.70		224.05		
1 Water Tank, 65 Gal.		12.00		13.20		
1 Flatbed Truck, 3 Ton		179.45		197.40	33.01	36.31
16 L.H., Daily Totals		\$801.80		\$1036.60	\$50.11	\$64.79



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-90</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.84	\$26.73
3 Laborers	13.95	334.80	23.90	573.60		
2 Equip. Oper. (light)	18.75	300.00	31.15	498.40		
2 Truck Drivers (heavy)	15.70	251.20	26.25	420.00		
1 Road Mixer, 310 H.P.		993.15		1092.45		
1 Dist. Truck, 2000 Gal.		340.30		374.35	20.84	22.92
64 L.H., Daily Totals		\$2347.05		\$3177.60	\$36.68	\$49.65
<b>Crew B-90A</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$17.46	\$29.34
2 Laborers	13.95	223.20	23.90	382.40		
4 Equip. Oper. (medium)	19.60	627.20	32.55	1041.60		
2 Graders, 30,000 Lbs.		1151.10		1266.20		
1 Roller, Steel Wheel		245.10		269.60		
1 Roller, Pneumatic Wheel		244.20		268.60	29.29	32.22
56 L.H., Daily Totals		\$2618.40		\$3447.20	\$46.75	\$61.56
<b>Crew B-90B</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$17.11	\$28.80
2 Laborers	13.95	223.20	23.90	382.40		
3 Equip. Oper. (medium)	19.60	470.40	32.55	781.20		
1 Roller, Steel Wheel		245.10		269.60		
1 Roller, Pneumatic Wheel		244.20		268.60		
1 Road Mixer, 310 H.P.		993.15		1092.45	30.88	33.97
48 L.H., Daily Totals		\$2303.65		\$3013.05	\$47.99	\$62.77
<b>Crew B-91</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$17.24	\$28.95
2 Laborers	13.95	223.20	23.90	382.40		
4 Equip. Oper. (med.)	19.60	627.20	32.55	1041.60		
1 Truck Driver (heavy)	15.70	125.60	26.25	210.00		
1 Dist. Truck, 3000 Gal.		364.95		401.45		
1 Aggreg. Spreader, S.P.		635.50		699.05		
1 Roller, Pneu. Tire, 12 Ton		244.20		268.60		
1 Roller, Steel, 10 Ton		245.10		269.60	23.28	25.61
64 L.H., Daily Totals		\$2593.35		\$3491.50	\$40.52	\$54.56
<b>Crew B-92</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.45	\$24.76
3 Laborers	13.95	334.80	23.90	573.60		
1 Crack Cleaner, 25 H.P.		76.90		84.60		
1 Air Compressor		76.30		83.95		
1 Tar Kettle, T.M.		22.95		25.25		
1 Flatbed Truck, 3 Ton		179.45		197.40	11.11	12.22
32 L.H., Daily Totals		\$818.00		\$1183.60	\$25.56	\$36.98
<b>Crew B-93</b>						
1 Equip. Oper. (med.)	\$19.60	\$156.80	\$32.55	\$260.40	\$19.60	\$32.55
1 Feller Buncher, 50 H.P.		389.90		428.90	48.74	53.61
8 L.H., Daily Totals		\$546.70		\$689.30	\$68.34	\$86.16
<b>Crew B-94A</b>						
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$13.95	\$23.90
1 Diaph. Water Pump, 2"		29.15		32.05		
1-20 Ft. Suction Hose, 2"		6.50		7.15		
2-50 Ft. Disch. Hoses, 2"		8.80		9.70	5.56	6.11
8 L.H., Daily Totals		\$156.05		\$240.10	\$19.51	\$30.01

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew B-94B</b>						
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$13.95	\$23.90
1 Diaph. Water Pump, 4"		64.40		70.85		
1-20 Ft. Suction Hose, 4"		12.50		13.75		
2-50 Ft. Disch. Hoses, 4"		17.00		18.70	11.74	12.91
8 L.H., Daily Totals		\$205.50		\$294.50	\$25.69	\$36.81
<b>Crew B-94C</b>						
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$13.95	\$23.90
1 Centr. Water Pump, 3"		37.90		41.70		
1-20 Ft. Suction Hose, 3"		9.50		10.45		
2-50 Ft. Disch. Hoses, 3"		10.80		11.90	7.28	8.00
8 L.H., Daily Totals		\$169.80		\$255.25	\$21.23	\$31.90
<b>Crew B-94D</b>						
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$13.95	\$23.90
1 Centr. Water Pump, 6"		159.45		175.40		
1-20 Ft. Suction Hose, 6"		21.50		23.65		
2-50 Ft. Disch. Hoses, 6"		39.00		42.90	27.49	30.24
8 L.H., Daily Totals		\$331.55		\$433.15	\$41.44	\$54.14
<b>Crew B-95</b>						
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$17.10	\$28.78
1 Laborer	13.95	111.60	23.90	191.20		
16 L.H., Daily Totals		\$273.60		\$460.40	\$17.10	\$28.78
<b>Crew B-95A</b>						
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$17.10	\$28.78
1 Laborer	13.95	111.60	23.90	191.20		
1 Hyd. Excavator, 5/8 C.Y.		394.25		433.70	24.64	27.10
16 L.H., Daily Totals		\$667.85		\$894.10	\$41.74	\$55.88
<b>Crew B-95B</b>						
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$17.10	\$28.78
1 Laborer	13.95	111.60	23.90	191.20		
1 Hyd. Excavator, 1.5 C.Y.		712.70		783.95	44.54	49.00
16 L.H., Daily Totals		\$986.30		\$1244.35	\$61.64	\$77.78
<b>Crew B-95C</b>						
1 Equip. Oper. (crane)	\$20.25	\$162.00	\$33.65	\$269.20	\$17.10	\$28.78
1 Laborer	13.95	111.60	23.90	191.20		
1 Hyd. Excavator, 2.5 C.Y.		1695.00		1864.50	105.94	116.53
16 L.H., Daily Totals		\$1968.60		\$2324.90	\$123.04	\$145.31
<b>Crew C-1</b>						
2 Carpenters	\$19.10	\$305.60	\$32.75	\$524.00	\$16.63	\$28.49
1 Carpenter Helper	14.35	114.80	24.55	196.40		
1 Laborer	13.95	111.60	23.90	191.20		
32 L.H., Daily Totals		\$532.00		\$911.60	\$16.63	\$28.49
<b>Crew C-2</b>						
1 Carpenter Foreman (out)	\$21.10	\$168.80	\$36.15	\$289.20	\$16.99	\$29.11
2 Carpenters	19.10	305.60	32.75	524.00		
2 Carpenter Helpers	14.35	229.60	24.55	392.80		
1 Laborer	13.95	111.60	23.90	191.20		
48 L.H., Daily Totals		\$815.60		\$1397.20	\$16.99	\$29.11



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew C-2A</b>						
1 Carpenter Foreman	\$21.10	\$168.80	\$36.15	\$289.20	\$18.44	\$31.36
3 Carpenters	19.10	458.40	32.75	786.00		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Laborer	13.95	111.60	23.90	191.20		
48 L.H., Daily Totals		\$885.20		\$1505.20	\$18.44	\$31.36
<b>Crew C-3</b>						
1 Rodman Foreman	\$22.35	\$178.80	\$41.80	\$334.40	\$18.00	\$32.35
3 Rodmen (reinf.)	20.35	488.40	38.05	913.20		
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
3 Laborers	13.95	334.80	23.90	573.60		
3 Stressing Equipment		40.50		44.55		
.5 Grouting Equipment		117.63		129.40	2.47	2.72
64 L.H., Daily Totals		\$1310.13		\$2244.35	\$20.47	\$35.07
<b>Crew C-4</b>						
1 Rodman Foreman	\$22.35	\$178.80	\$41.80	\$334.40	\$19.25	\$35.45
2 Rodmen (reinf.)	20.35	325.60	38.05	608.80		
1 Building Laborer	13.95	111.60	23.90	191.20		
3 Stressing Equipment		40.50		44.55	1.27	1.39
32 L.H., Daily Totals		\$656.50		\$1178.95	\$20.52	\$36.84
<b>Crew C-5</b>						
1 Rodman Foreman	\$22.35	\$178.80	\$41.80	\$334.40	\$18.53	\$33.23
2 Rodmen (reinf.)	20.35	325.60	38.05	608.80		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
2 Building Laborers	13.95	223.20	23.90	382.40		
1 Hyd. Crane, 25 Ton		549.35		604.30	11.44	12.59
48 L.H., Daily Totals		\$1438.95		\$2199.10	\$29.97	\$45.82
<b>Crew C-6</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.01	\$25.47
4 Laborers	13.95	446.40	23.90	764.80		
1 Cement Finisher	18.30	146.40	29.85	238.80		
2 Gas Engine Vibrators		74.90		82.40	1.56	1.72
48 L.H., Daily Totals		\$795.30		\$1304.80	\$16.57	\$27.19
<b>Crew C-7</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.58	\$26.31
5 Laborers	13.95	558.00	23.90	956.00		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
1 Equip. Oper. (oiler)	16.60	132.80	27.55	220.40		
2 Gas Engine Vibrators		74.90		82.40		
1 Concrete Bucket, 1 C.Y.		24.45		26.90		
1 Hyd. Crane, 55 Ton		793.10		872.40	12.40	13.63
72 L.H., Daily Totals		\$2014.05		\$2876.10	\$27.98	\$39.94
<b>Crew C-8</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$16.29	\$27.33
3 Laborers	13.95	334.80	23.90	573.60		
2 Cement Finishers	18.30	292.80	29.85	477.60		
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
1 Concrete Pump (small)		645.60		710.15	11.53	12.68
56 L.H., Daily Totals		\$1557.60		\$2240.55	\$27.82	\$40.01
<b>Crew C-8A</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.73	\$26.46
3 Laborers	13.95	334.80	23.90	573.60		
2 Cement Finishers	18.30	292.80	29.85	477.60		
48 L.H., Daily Totals		\$755.20		\$1270.00	\$15.73	\$26.46

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew C-8B</b>						
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.48	\$26.32
3 Laborers	13.95	334.80	23.90	573.60		
1 Equipment Operator	19.60	156.80	32.55	260.40		
1 Vibrating Screed		47.40		52.15		
1 Vibratory Roller		421.75		463.95		
1 Dozer, 200 HP		838.95		922.85	32.70	35.97
40 L.H., Daily Totals		\$1927.30		\$2491.75	\$48.18	\$62.29
<b>Crew C-8C</b>						
1 Labor Forman	\$15.95	\$127.60	\$27.35	\$218.80	\$15.95	\$26.91
3 Laborers	13.95	334.80	23.90	573.60		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Equipment Operator (med.)	19.60	156.80	32.55	260.40		
1 Shotcrete Rig, 12 CY/hr		376.00		413.60	7.83	8.62
48 L.H., Daily Totals		\$1141.60		\$1705.20	\$23.78	\$35.53
<b>Crew C-8D</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$16.74	\$28.06
1 Laborers	13.95	111.60	23.90	191.20		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Equipment Operator (light)	18.75	150.00	31.15	249.20		
1 Compressor, 250 CFM		124.90		137.40		
2 Hoses, 1", 50'		10.40		11.45	4.23	4.65
32 L.H., Daily Totals		\$670.90		\$1046.85	\$20.97	\$32.71
<b>Crew C-8E</b>						
1 Labor Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$16.74	\$28.06
1 Laborers	13.95	111.60	23.90	191.20		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Equipment Operator (light)	18.75	150.00	31.15	249.20		
1 Compressor, 250 CFM		124.90		137.40		
2 Hoses, 1", 50'		10.40		11.45		
1 Concrete Pump (small)		645.60		710.15	24.40	26.84
32 L.H., Daily Totals		\$1316.50		\$1757.00	\$41.14	\$54.90
<b>Crew C-10</b>						
1 Laborer	\$13.95	\$111.60	\$23.90	\$191.20	\$16.85	\$27.87
2 Cement Finishers	18.30	292.80	29.85	477.60		
24 L.H., Daily Totals		\$404.40		\$668.80	\$16.85	\$27.87
<b>Crew C-11</b>						
1 Skilled Worker Foreman	\$21.25	\$170.00	\$36.50	\$292.00	\$19.68	\$33.63
5 Skilled Worker	19.25	770.00	33.05	1322.00		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Truck Crane, 150 Ton		1553.00		1708.30	27.73	30.51
56 L.H., Daily Totals		\$2655.00		\$3591.50	\$47.41	\$64.14
<b>Crew C-12</b>						
1 Carpenter Foreman (out)	\$21.10	\$168.80	\$36.15	\$289.20	\$18.77	\$31.99
3 Carpenters	19.10	458.40	32.75	786.00		
1 Laborer	13.95	111.60	23.90	191.20		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Hyd. Crane, 12 Ton		443.45		487.80	9.24	10.16
48 L.H., Daily Totals		\$1344.25		\$2023.40	\$28.01	\$42.15
<b>Crew C-13</b>						
2 Struc. Steel Worker	\$20.50	\$328.00	\$40.45	\$647.20	\$20.03	\$37.88
1 Carpenter	19.10	152.80	32.75	262.00		
1 Gas Welding Machine		82.35		90.60	3.43	3.77
24 L.H., Daily Totals		\$563.15		\$999.80	\$23.46	\$41.65



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew C-14	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$21.10	\$168.80	\$36.15	\$289.20	\$17.01	\$29.27
3 Carpenters	19.10	458.40	32.75	786.00		
2 Carpenter Helpers	14.35	229.60	24.55	392.80		
4 Laborers	13.95	446.40	23.90	764.80		
2 Rodmen (reinf.)	20.35	325.60	38.05	608.80		
2 Rodman Helpers	14.35	229.60	24.55	392.80		
2 Cement Finishers	18.30	292.80	29.85	477.60		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Crane, 80 Ton, & Tools		1098.00		1207.80	8.07	8.88
136 L.H., Daily Totals		\$3411.20		\$5189.00	\$25.08	\$38.15
Crew C-14A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$21.10	\$168.80	\$36.15	\$289.20	\$18.96	\$32.90
16 Carpenters	19.10	2444.80	32.75	4192.00		
4 Rodmen (reinf.)	20.35	651.20	38.05	1217.60		
2 Laborers	13.95	223.20	23.90	382.40		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Equip. Oper. (med)	19.60	156.80	32.55	260.40		
1 Gas Engine Vibrator		37.45		41.20		
1 Concrete Pump (small)		645.60		710.15	3.42	3.76
200 L.H., Daily Totals		\$4474.25		\$7331.75	\$22.38	\$36.66
Crew C-14B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$21.10	\$168.80	\$36.15	\$289.20	\$18.93	\$32.78
16 Carpenters	19.10	2444.80	32.75	4192.00		
4 Rodmen (reinf.)	20.35	651.20	38.05	1217.60		
2 Laborers	13.95	223.20	23.90	382.40		
2 Cement Finishers	18.30	292.80	29.85	477.60		
1 Equip. Oper. (med)	19.60	156.80	32.55	260.40		
1 Gas Engine Vibrator		37.45		41.20		
1 Concrete Pump (small)		645.60		710.15	3.28	3.61
208 L.H., Daily Totals		\$4620.65		\$7570.55	\$22.21	\$36.39
Crew C-14C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$21.10	\$168.80	\$36.15	\$289.20	\$17.89	\$31.01
6 Carpenters	19.10	916.80	32.75	1572.00		
2 Rodmen (reinf.)	20.35	325.60	38.05	608.80		
4 Laborers	13.95	446.40	23.90	764.80		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Gas Engine Vibrator		37.45		41.20	.33	.37
112 L.H., Daily Totals		\$2041.45		\$3514.80	\$18.22	\$31.38
Crew C-14D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$21.10	\$168.80	\$36.15	\$289.20	\$18.86	\$32.48
18 Carpenters	19.10	2750.40	32.75	4716.00		
2 Rodmen (reinf.)	20.35	325.60	38.05	608.80		
2 Laborers	13.95	223.20	23.90	382.40		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
1 Gas Engine Vibrator		37.45		41.20		
1 Concrete Pump (small)		645.60		710.15	3.42	3.76
200 L.H., Daily Totals		\$4454.25		\$7246.95	\$22.28	\$36.24
Crew C-14E	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$21.10	\$168.80	\$36.15	\$289.20	\$18.26	\$32.31
2 Carpenters	19.10	305.60	32.75	524.00		
4 Rodmen (reinf.)	20.35	651.20	38.05	1217.60		
3 Laborers	13.95	334.80	23.90	573.60		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Gas Engine Vibrator		37.45		41.20	.43	.47
88 L.H., Daily Totals		\$1644.25		\$2884.40	\$18.69	\$32.78

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew C-14F	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer Foreman (out)	\$15.95	\$127.60	\$27.35	\$218.80	\$17.07	\$28.25
2 Laborers	13.95	223.20	23.90	382.40		
6 Cement Finishers	18.30	878.40	29.85	1432.80		
1 Gas Engine Vibrator		37.45		41.20	.52	.57
72 L.H., Daily Totals		\$1266.65		\$2075.20	\$17.59	\$28.82
Crew C-14G	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer Foreman	\$15.95	\$127.60	\$27.35	\$218.80	\$16.72	\$27.79
2 Laborers	13.95	223.20	23.90	382.40		
4 Cement Finishers	18.30	585.60	29.85	955.20		
1 Gas Engine Vibrator		37.45		41.20	.67	.74
56 L.H., Daily Totals		\$973.85		\$1597.60	\$17.39	\$28.53
Crew C-14H	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$21.10	\$168.80	\$36.15	\$289.20	\$18.65	\$32.24
2 Carpenters	19.10	305.60	32.75	524.00		
1 Rodman (reinf.)	20.35	162.80	38.05	304.40		
1 Laborer	13.95	111.60	23.90	191.20		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Gas Engine Vibrator		37.45		41.20	.78	.86
48 L.H., Daily Totals		\$932.65		\$1588.80	\$19.43	\$33.10
Crew C-15	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$21.10	\$168.80	\$36.15	\$289.20	\$17.57	\$30.12
2 Carpenters	19.10	305.60	32.75	524.00		
3 Laborers	13.95	334.80	23.90	573.60		
2 Cement Finishers	18.30	292.80	29.85	477.60		
1 Rodman (reinf.)	20.35	162.80	38.05	304.40		
72 L.H., Daily Totals		\$1264.80		\$2168.80	\$17.57	\$30.12
Crew C-16	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$17.19	\$29.71
3 Laborers	13.95	334.80	23.90	573.60		
2 Cement Finishers	18.30	292.80	29.85	477.60		
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
2 Rodmen (reinf.)	20.35	325.60	38.05	608.80		
1 Concrete Pump (small)		645.60		710.15	8.97	9.86
72 L.H., Daily Totals		\$1883.20		\$2849.35	\$26.16	\$39.57
Crew C-17	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$21.25	\$340.00	\$36.50	\$584.00	\$19.65	\$33.74
8 Skilled Workers	19.25	1232.00	33.05	2115.20		
80 L.H., Daily Totals		\$1572.00		\$2699.20	\$19.65	\$33.74
Crew C-17A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$21.25	\$340.00	\$36.50	\$584.00	\$19.66	\$33.74
8 Skilled Workers	19.25	1232.00	33.05	2115.20		
.125 Equip. Oper. (crane)	20.25	20.25	33.65	33.65		
.125 Crane, 80 Ton, & Tools		137.25		151.00	1.69	1.86
81 L.H., Daily Totals		\$1729.50		\$2883.85	\$21.35	\$35.60
Crew C-17B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$21.25	\$340.00	\$36.50	\$584.00	\$19.66	\$33.74
8 Skilled Workers	19.25	1232.00	33.05	2115.20		
.25 Equip. Oper. (crane)	20.25	40.50	33.65	67.30		
.25 Crane, 80 Ton, & Tools		274.50		301.95		
.25 Walk Behind Power Tools		12.24		13.45	3.50	3.85
82 L.H., Daily Totals		\$1899.24		\$3081.90	\$23.16	\$37.59



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew C-17C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$21.25	\$340.00	\$36.50	\$584.00	\$19.67	\$33.74
8 Skilled Workers	19.25	1232.00	33.05	2115.20		
.375 Equip. Oper. (crane)	20.25	60.75	33.65	100.95		
.375 Crane, 80 Ton & Tools		411.75		452.95	4.96	5.46
83 L.H., Daily Totals		\$2044.50		\$3253.10	\$24.63	\$39.20
Crew C-17D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$21.25	\$340.00	\$36.50	\$584.00	\$19.68	\$33.74
8 Skilled Workers	19.25	1232.00	33.05	2115.20		
.5 Equip. Oper. (crane)	20.25	81.00	33.65	134.60		
.5 Crane, 80 Ton & Tools		549.00		603.90	6.54	7.19
84 L.H., Daily Totals		\$2202.00		\$3437.70	\$26.22	\$40.93
Crew C-17E	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$21.25	\$340.00	\$36.50	\$584.00	\$19.65	\$33.74
8 Skilled Workers	19.25	1232.00	33.05	2115.20		
1 Hyd. Jack with Rods		60.50		66.55	.76	.83
80 L.H., Daily Totals		\$1632.50		\$2765.75	\$20.41	\$34.57
Crew C-18	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.125 Labor Foreman (out)	\$15.95	\$15.95	\$27.35	\$27.35	\$14.17	\$24.28
1 Laborer	13.95	111.60	23.90	191.20		
1 Concrete Cart, 10 C.F.		49.90		54.90	5.54	6.10
9 L.H., Daily Totals		\$177.45		\$273.45	\$19.71	\$30.38
Crew C-19	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.125 Labor Foreman (out)	\$15.95	\$15.95	\$27.35	\$27.35	\$14.17	\$24.28
1 Laborer	13.95	111.60	23.90	191.20		
1 Concrete Cart, 18 C.F.		83.35		91.70	9.26	10.19
9 L.H., Daily Totals		\$210.90		\$310.25	\$23.43	\$34.47
Crew C-20	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.45	\$26.16
5 Laborers	13.95	558.00	23.90	956.00		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
2 Gas Engine Vibrators		74.90		82.40		
1 Concrete Pump (small)		645.60		710.15	11.26	12.38
64 L.H., Daily Totals		\$1709.30		\$2466.55	\$26.71	\$38.54
Crew C-21	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$15.45	\$26.16
5 Laborers	13.95	558.00	23.90	956.00		
1 Cement Finisher	18.30	146.40	29.85	238.80		
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
2 Gas Engine Vibrators		74.90		82.40		
1 Concrete Conveyer		180.90		199.00	4.00	4.40
64 L.H., Daily Totals		\$1244.60		\$1955.40	\$19.45	\$30.56
Crew C-22	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Rodman Foreman	\$22.35	\$178.80	\$41.80	\$334.40	\$20.64	\$38.41
4 Rodmen (reinf.)	20.35	651.20	38.05	1217.60		
.125 Equip. Oper. (crane)	20.25	20.25	33.65	33.65		
.125 Equip. Oper. Oiler	16.60	16.60	27.55	27.55		
.125 Hyd. Crane, 25 Ton		68.67		75.55	1.63	1.80
42 L.H., Daily Totals		\$935.52		\$1688.75	\$22.27	\$40.21

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew C-23	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$21.25	\$340.00	\$36.50	\$584.00	\$19.49	\$33.25
6 Skilled Workers	19.25	924.00	33.05	1586.40		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Equip. Oper. Oiler	16.60	132.80	27.55	220.40		
1 Crane, 90 Ton		1012.00		1113.20	12.65	13.92
80 L.H., Daily Totals		\$2570.80		\$3773.20	\$32.14	\$47.17
Crew C-24	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$21.25	\$340.00	\$36.50	\$584.00	\$19.49	\$33.25
6 Skilled Workers	19.25	924.00	33.05	1586.40		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Equip. Oper. Oiler	16.60	132.80	27.55	220.40		
1 Truck Crane, 150 Ton		1553.00		1708.30	19.41	21.35
80 L.H., Daily Totals		\$3111.80		\$4368.30	\$38.90	\$54.60
Crew C-25	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Rodmen (reinf.)	\$20.35	\$325.60	\$38.05	\$608.80	\$16.43	\$30.65
2 Rodmen Helpers	12.50	200.00	23.25	372.00		
32 L.H., Daily Totals		\$525.60		\$980.80	\$16.43	\$30.65
Crew D-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Bricklayer	\$19.30	\$154.40	\$32.70	\$261.60	\$17.20	\$29.15
1 Bricklayer Helper	15.10	120.80	25.60	204.80		
16 L.H., Daily Totals		\$275.20		\$466.40	\$17.20	\$29.15
Crew D-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Bricklayers	\$19.30	\$463.20	\$32.70	\$784.80	\$17.62	\$29.86
2 Bricklayer Helpers	15.10	241.60	25.60	409.60		
40 L.H., Daily Totals		\$704.80		\$1194.40	\$17.62	\$29.86
Crew D-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Bricklayers	\$19.30	\$463.20	\$32.70	\$784.80	\$17.69	\$30.00
2 Bricklayer Helpers	15.10	241.60	25.60	409.60		
.25 Carpenter	19.10	38.20	32.75	65.50		
42 L.H., Daily Totals		\$743.00		\$1259.90	\$17.69	\$30.00
Crew D-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Bricklayer	\$19.30	\$154.40	\$32.70	\$261.60	\$15.71	\$26.68
3 Bricklayer Helpers	15.10	362.40	25.60	614.40		
1 Building Laborer	13.95	111.60	23.90	191.20		
1 Grout Pump, 50 C.F./hr		67.35		74.10		
1 Hoses & Hopper		31.50		34.65		
1 Accessories		10.50		11.55	2.73	3.01
40 L.H., Daily Totals		\$737.75		\$1187.50	\$18.44	\$29.69
Crew D-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Block Mason Helper	\$15.10	\$120.80	\$25.60	\$204.80	\$15.10	\$25.60
8 L.H., Daily Totals		\$120.80		\$204.80	\$15.10	\$25.60
Crew D-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Bricklayers	\$19.30	\$463.20	\$32.70	\$784.80	\$17.20	\$29.15
3 Bricklayer Helpers	15.10	362.40	25.60	614.40		
48 L.H., Daily Totals		\$825.60		\$1399.20	\$17.20	\$29.15
Crew D-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Tile Layer	\$18.65	\$149.20	\$30.20	\$241.60	\$16.83	\$27.23
1 Tile Layer Helper	15.00	120.00	24.25	194.00		
16 L.H., Daily Totals		\$269.20		\$435.60	\$16.83	\$27.23



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew D-8</b>						
3 Bricklayers	\$19.30	\$463.20	\$32.70	\$784.80	\$17.62	\$29.86
2 Bricklayer Helpers	15.10	241.60	25.60	409.60		
40 L.H., Daily Totals		\$704.80		\$1194.40	\$17.62	\$29.86
<b>Crew D-9</b>						
3 Block Masons	\$19.30	\$463.20	\$32.70	\$784.80	\$17.20	\$29.15
3 Block Mason Helpers	15.10	362.40	25.60	614.40		
48 L.H., Daily Totals		\$825.60		\$1399.20	\$17.20	\$29.15
<b>Crew D-10</b>						
1 Stone Mason Foreman	\$20.85	\$166.80	\$35.35	\$282.80	\$18.03	\$30.43
1 Stone Mason	18.85	150.80	31.95	255.60		
2 Stone Mason Helpers	15.10	241.60	25.60	409.60		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Truck Crane, 12.5 Ton		391.35		430.50	9.78	10.76
40 L.H., Daily Totals		\$1112.55		\$1647.70	\$27.81	\$41.19
<b>Crew D-11</b>						
2 Stone Masons	\$18.85	\$301.60	\$31.95	\$511.20	\$17.60	\$29.83
1 Stone Mason Helper	15.10	120.80	25.60	204.80		
24 L.H., Daily Totals		\$422.40		\$716.00	\$17.60	\$29.83
<b>Crew D-12</b>						
2 Stone Masons	\$18.85	\$301.60	\$31.95	\$511.20	\$16.98	\$28.78
2 Stone Mason Helpers	15.10	241.60	25.60	409.60		
32 L.H., Daily Totals		\$543.20		\$920.80	\$16.98	\$28.78
<b>Crew D-13</b>						
1 Stone Mason Foreman	\$20.85	\$166.80	\$35.35	\$282.80	\$18.17	\$30.68
2 Stone Masons	18.85	301.60	31.95	511.20		
2 Stone Mason Helpers	15.10	241.60	25.60	409.60		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Truck Crane, 12.5 Ton		391.35		430.50	8.15	8.97
48 L.H., Daily Totals		\$1263.35		\$1903.30	\$26.32	\$39.65
<b>Crew E-1</b>						
2 Struc. Steel Workers	\$20.50	\$328.00	\$40.45	\$647.20	\$20.50	\$40.45
1 Gas Welding Machine		82.35		90.60	5.15	5.66
16 L.H., Daily Totals		\$410.35		\$737.80	\$25.65	\$46.11
<b>Crew E-2</b>						
1 Struc. Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$20.79	\$39.98
4 Struc. Steel Workers	20.50	656.00	40.45	1294.40		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Crane, 90 Ton		1012.00		1113.20	21.08	23.19
48 L.H., Daily Totals		\$2010.00		\$3032.00	\$41.87	\$63.17
<b>Crew E-3</b>						
1 Struc. Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$21.17	\$41.77
2 Struc. Steel Worker	20.50	328.00	40.45	647.20		
1 Gas Welding Machine		82.35		90.60	3.43	3.77
24 L.H., Daily Totals		\$590.35		\$1093.00	\$24.60	\$45.54
<b>Crew E-4</b>						
1 Struc. Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$21.00	\$41.44
3 Struc. Steel Workers	20.50	492.00	40.45	970.80		
1 Gas Welding Machine		82.35		90.60	2.57	2.83
32 L.H., Daily Totals		\$754.35		\$1416.60	\$23.57	\$44.27

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew E-5</b>						
1 Struc. Steel Foremen	\$22.50	\$180.00	\$44.40	\$355.20	\$20.69	\$40.13
7 Struc. Steel Workers	20.50	1148.00	40.45	2265.20		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Crane, 90 Ton		1012.00		1113.20		
1 Gas Welding Machine		82.35		90.60	15.20	16.72
72 L.H., Daily Totals		\$2584.35		\$4093.40	\$35.89	\$56.85
<b>Crew E-6</b>						
1 Struc. Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$20.50	\$39.64
12 Struc. Steel Workers	20.50	1968.00	40.45	3883.20		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Crane, 90 Ton		1012.00		1113.20		
1 Gas Welding Machine		82.35		90.60		
1 Air Compr., 160 C.F.M.		97.40		107.15		
2 Impact Wrenches		57.60		63.35	10.41	11.45
120 L.H., Daily Totals		\$3709.35		\$6131.10	\$30.91	\$51.09
<b>Crew E-7</b>						
1 Struc. Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$20.69	\$40.13
7 Struc. Steel Workers	20.50	1148.00	40.45	2265.20		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Crane, 90 Ton		1012.00		1113.20		
2 Gas Welding Machines		164.70		181.15	16.34	17.98
72 L.H., Daily Totals		\$2666.70		\$4183.95	\$37.03	\$58.11
<b>Crew E-8</b>						
1 Struc. Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$20.66	\$40.19
9 Struc. Steel Workers	20.50	1476.00	40.45	2912.40		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Crane, 90 Ton		1012.00		1113.20		
4 Gas Welding Machines		329.40		362.35	15.24	16.77
88 L.H., Daily Totals		\$3159.40		\$5012.35	\$35.90	\$56.96
<b>Crew E-9</b>						
2 Struc. Steel Foremen	\$22.50	\$360.00	\$44.40	\$710.40	\$20.51	\$39.38
5 Struc. Steel Workers	20.50	820.00	40.45	1618.00		
1 Welder Foreman	22.50	180.00	44.40	355.20		
5 Welders	20.50	820.00	40.45	1618.00		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Equip. Oper. Oiler	16.60	132.80	27.55	220.40		
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Crane, 90 Ton		1012.00		1113.20		
5 Gas Welding Machines		411.75		452.95	11.12	12.24
128 L.H., Daily Totals		\$4048.55		\$6606.55	\$31.63	\$51.62
<b>Crew E-10</b>						
1 Struc. Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$21.17	\$41.77
2 Struc. Steel Workers	20.50	328.00	40.45	647.20		
4 Gas Welding Machines		329.40		362.35		
1 Truck, 3 Ton		179.45		197.40	21.20	23.32
24 L.H., Daily Totals		\$1016.85		\$1562.15	\$42.37	\$65.09
<b>Crew E-11</b>						
2 Painters, Struc. Steel	\$18.45	\$295.20	\$37.45	\$599.20	\$16.95	\$32.93
1 Building Laborer	13.95	111.60	23.90	191.20		
1 Air Compressor 250 C.F.M.		124.90		137.40		
1 Sand Blaster		31.50		34.65		
1 Sand Blasting Accessories		10.50		11.55	6.95	7.65
24 L.H., Daily Totals		\$573.70		\$974.00	\$23.90	\$40.58



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew E-12	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Welder Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$20.63	\$37.78
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Gas Welding Machine		82.35		90.60	5.15	5.66
16 L.H., Daily Totals		\$412.35		\$695.00	\$25.78	\$43.44
Crew E-13	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Welder Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$21.25	\$39.98
.5 Equip. Oper. (light)	18.75	75.00	31.15	124.60		
1 Gas Welding Machine		82.35		90.60	6.86	7.55
12 L.H., Daily Totals		\$337.35		\$570.40	\$28.11	\$47.53
Crew E-14	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Struc. Steel Worker	\$20.50	\$164.00	\$40.45	\$323.60	\$20.50	\$40.45
1 Gas Welding Machine		82.35		90.60	10.29	11.32
8 L.H., Daily Totals		\$246.35		\$414.20	\$30.79	\$51.77
Crew E-16	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Welder Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$21.50	\$42.43
1 Welder	20.50	164.00	40.45	323.60		
1 Gas Welding Machine		82.35		90.60	5.15	5.66
16 L.H., Daily Totals		\$426.35		\$769.40	\$26.65	\$48.09
Crew E-17	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Structural Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$21.50	\$42.43
1 Structural Steel Worker	20.50	164.00	40.45	323.60		
1 Power Tool		2.00		2.20	.13	.14
16 L.H., Daily Totals		\$346.00		\$681.00	\$21.63	\$42.57
Crew E-18	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Structural Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$20.72	\$39.66
3 Structural Steel Workers	20.50	492.00	40.45	970.80		
1 Equipment Operator (med.)	19.60	156.80	32.55	260.40		
1 Crane, 20 Ton		512.55		563.80	12.81	14.10
40 L.H., Daily Totals		\$1341.35		\$2150.20	\$33.53	\$53.76
Crew E-19	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Structural Steel Worker	\$20.50	\$164.00	\$40.45	\$323.60	\$20.58	\$38.67
1 Structural Steel Foreman	22.50	180.00	44.40	355.20		
1 Equip. Oper. (light)	18.75	150.00	31.15	249.20		
1 Power Tool		2.00		2.20		
1 Crane, 20 ton		512.55		563.80	21.44	23.58
24 L.H., Daily Totals		\$1008.55		\$1494.00	\$42.02	\$62.25
Crew E-20	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Structural Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$20.23	\$38.48
5 Structural Steel Workers	20.50	820.00	40.45	1618.00		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Oiler	16.60	132.80	27.55	220.40		
1 Power Tool		2.00		2.20		
1 Crane, 40 ton		694.70		764.15	10.89	11.97
64 L.H., Daily Totals		\$1991.50		\$3229.15	\$31.12	\$50.45
Crew E-22	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Skilled Worker Foreman	\$21.25	\$170.00	\$36.50	\$292.00	\$19.92	\$34.20
2 Skilled Worker	19.25	308.00	33.05	528.80		
24 L.H., Daily Totals		\$478.00		\$820.80	\$19.92	\$34.20

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew E-24	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Structural Steel Worker	\$20.50	\$492.00	\$40.45	\$970.80	\$20.27	\$38.48
1 Equipment Operator (medium)	19.60	156.80	32.55	260.40		
1-25 ton crane		549.35		604.30	17.17	18.88
32 L.H., Daily Totals		\$1198.15		\$1835.50	\$37.44	\$57.36
Crew F-2A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenters	\$19.10	\$152.80	\$32.75	\$262.00	\$16.73	\$28.65
1 Carpenter Helper	14.35	114.80	24.55	196.40		
16 L.H., Daily Totals		\$267.60		\$458.40	\$16.73	\$28.65
Crew F-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$19.10	\$305.60	\$32.75	\$524.00	\$17.43	\$29.65
2 Carpenter Helpers	14.35	229.60	24.55	392.80		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Hyd. Crane, 12 Ton		443.45		487.80	11.09	12.19
40 L.H., Daily Totals		\$1140.65		\$1673.80	\$28.52	\$41.84
Crew F-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$19.10	\$305.60	\$32.75	\$524.00	\$17.43	\$29.65
2 Carpenter Helpers	14.35	229.60	24.55	392.80		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Hyd. Crane, 55 Ton		793.10		872.40	19.83	21.81
40 L.H., Daily Totals		\$1490.30		\$2058.40	\$37.26	\$51.46
Crew F-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$19.10	\$305.60	\$32.75	\$524.00	\$16.73	\$28.65
2 Carpenter Helpers	14.35	229.60	24.55	392.80		
32 L.H., Daily Totals		\$535.20		\$916.80	\$16.73	\$28.65
Crew F-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$19.10	\$305.60	\$32.75	\$524.00	\$17.27	\$29.39
2 Building Laborers	13.95	223.20	23.90	382.40		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Hyd. Crane, 12 Ton		443.45		487.80	11.09	12.19
40 L.H., Daily Totals		\$1134.25		\$1663.40	\$28.36	\$41.58
Crew F-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$19.10	\$305.60	\$32.75	\$524.00	\$16.52	\$28.33
2 Building Laborers	13.95	223.20	23.90	382.40		
32 L.H., Daily Totals		\$528.80		\$906.40	\$16.52	\$28.33
Crew G-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Roofer Foreman	\$18.65	\$149.20	\$34.70	\$277.60	\$15.75	\$29.31
4 Roofers, Composition	16.65	532.80	31.00	992.00		
2 Roofer Helpers	12.50	200.00	23.25	372.00		
1 Application Equipment		165.70		182.25		
1 Tar Kettle/Pot		45.90		50.50		
1 Crew Truck		197.30		217.05	7.30	8.03
56 L.H., Daily Totals		\$1290.90		\$2091.40	\$23.05	\$37.34
Crew G-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plasterer	\$18.00	\$144.00	\$30.10	\$240.80	\$15.68	\$26.42
1 Plasterer Helper	15.10	120.80	25.25	202.00		
1 Building Laborer	13.95	111.60	23.90	191.20		
1 Grouting Equipment		235.25		258.75	9.80	10.78
24 L.H., Daily Totals		\$611.65		\$892.75	\$25.48	\$37.20



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew G-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Sheet Metal Workers	\$20.95	\$335.20	\$35.45	\$567.20	\$17.45	\$29.68
2 Building Laborers	13.95	223.20	23.90	382.40		
32 L.H., Daily Totals		\$558.40		\$949.60	\$17.45	\$29.68
Crew G-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$15.95	\$127.60	\$27.35	\$218.80	\$14.62	\$25.05
2 Building Laborers	13.95	223.20	23.90	382.40		
1 Light Truck, 1.5 Ton		171.95		189.15		
1 Air Compr., 160 C.F.M.		97.40		107.15	11.22	12.35
24 L.H., Daily Totals		\$620.15		\$897.50	\$25.84	\$37.40
Crew G-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Roofer Foreman	\$18.65	\$149.20	\$34.70	\$277.60	\$15.39	\$28.64
2 Roofers, Composition	16.65	266.40	31.00	496.00		
2 Roofer Helpers	12.50	200.00	23.25	372.00		
1 Application Equipment		165.70		182.25	4.14	4.56
40 L.H., Daily Totals		\$781.30		\$1327.85	\$19.53	\$33.20
Crew G-6A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Roofers Composition	\$16.65	\$266.40	\$31.00	\$496.00	\$16.65	\$31.00
1 Small Compressor		20.95		23.05		
2 Pneumatic Nailers		39.90		43.90	3.80	4.18
16 L.H., Daily Totals		\$327.25		\$562.95	\$20.45	\$35.18
Crew G-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter	\$19.10	\$152.80	\$32.75	\$262.00	\$19.10	\$32.75
1 Small Compressor		20.95		23.05		
1 Pneumatic Nailer		19.95		21.95	5.11	5.62
8 L.H., Daily Totals		\$193.70		\$307.00	\$24.21	\$38.37
Crew H-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Glaziers	\$18.90	\$302.40	\$31.40	\$502.40	\$19.70	\$35.92
2 Struc. Steel Workers	20.50	328.00	40.45	647.20		
32 L.H., Daily Totals		\$630.40		\$1149.60	\$19.70	\$35.92
Crew H-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Glaziers	\$18.90	\$302.40	\$31.40	\$502.40	\$17.25	\$28.90
1 Building Laborer	13.95	111.60	23.90	191.20		
24 L.H., Daily Totals		\$414.00		\$693.60	\$17.25	\$28.90
Crew H-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Glazier	\$18.90	\$151.20	\$31.40	\$251.20	\$16.63	\$27.98
1 Helper	14.35	114.80	24.55	196.40		
16 L.H., Daily Totals		\$266.00		\$447.60	\$16.63	\$27.98
Crew J-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Plasterers	\$18.00	\$432.00	\$30.10	\$722.40	\$16.84	\$28.16
2 Plasterer Helpers	15.10	241.60	25.25	404.00		
1 Mixing Machine, 6 C.F.		42.45		46.70	1.06	1.17
40 L.H., Daily Totals		\$716.05		\$1173.10	\$17.90	\$29.33
Crew J-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Plasterers	\$18.00	\$432.00	\$30.10	\$722.40	\$17.16	\$28.59
2 Plasterer Helpers	15.10	241.60	25.25	404.00		
1 Lather	18.75	150.00	30.75	246.00		
1 Mixing Machine, 6 C.F.		42.45		46.70	.88	.97
48 L.H., Daily Totals		\$866.05		\$1419.10	\$18.04	\$29.56

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew J-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Terrazzo Worker	\$18.60	\$148.80	\$30.10	\$240.80	\$16.93	\$27.38
1 Terrazzo Helper	15.25	122.00	24.65	197.20		
1 Terrazzo Grinder, Electric		45.70		50.25		
1 Terrazzo Mixer		52.80		58.10	6.16	6.77
16 L.H., Daily Totals		\$369.30		\$546.35	\$23.09	\$34.15
Crew J-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Tile Layer	\$18.65	\$149.20	\$30.20	\$241.60	\$16.83	\$27.23
1 Tile Layer Helper	15.00	120.00	24.25	194.00		
16 L.H., Daily Totals		\$269.20		\$435.60	\$16.83	\$27.23
Crew K-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter	\$19.10	\$152.80	\$32.75	\$262.00	\$17.27	\$29.27
1 Truck Driver (light)	15.45	123.60	25.80	206.40		
1 Truck w/Power Equip.		179.45		197.40	11.22	12.34
16 L.H., Daily Totals		\$455.85		\$665.80	\$28.49	\$41.61
Crew K-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Struc. Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$19.48	\$36.88
1 Struc. Steel Worker	20.50	164.00	40.45	323.60		
1 Truck Driver (light)	15.45	123.60	25.80	206.40		
1 Truck w/Power Equip.		179.45		197.40	7.48	8.22
24 L.H., Daily Totals		\$647.05		\$1082.60	\$26.96	\$45.10
Crew L-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.25 Electrician	\$21.35	\$42.70	\$34.90	\$69.80	\$21.47	\$35.46
1 Plumber	21.50	172.00	35.60	284.80		
10 L.H., Daily Totals		\$214.70		\$354.60	\$21.47	\$35.46
Crew L-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter	\$19.10	\$152.80	\$32.75	\$262.00	\$16.73	\$28.65
1 Carpenter Helper	14.35	114.80	24.55	196.40		
16 L.H., Daily Totals		\$267.60		\$458.40	\$16.73	\$28.65
Crew L-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter	\$19.10	\$152.80	\$32.75	\$262.00	\$19.55	\$33.18
.25 Electrician	21.35	42.70	34.90	69.80		
10 L.H., Daily Totals		\$195.50		\$331.80	\$19.55	\$33.18
Crew L-3A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (outside)	\$21.10	\$168.80	\$36.15	\$289.20	\$21.05	\$35.92
.5 Sheet Metal Worker	20.95	83.80	35.45	141.80		
12 L.H., Daily Totals		\$252.60		\$431.00	\$21.05	\$35.92
Crew L-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Skilled Workers	\$19.25	\$154.00	\$33.05	\$264.40	\$16.80	\$28.80
1 Helper	14.35	114.80	24.55	196.40		
16 L.H., Daily Totals		\$268.80		\$460.80	\$16.80	\$28.80
Crew L-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Struc. Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$20.75	\$40.04
5 Struc. Steel Workers	20.50	820.00	40.45	1618.00		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Hyd. Crane, 25 Ton		549.35		604.30	9.81	10.79
56 L.H., Daily Totals		\$1711.35		\$2846.70	\$30.56	\$50.83



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew L-5A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Structural Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$20.94	\$39.74
2 Structural Steel Worker	20.50	328.00	40.45	647.20		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Crane, SP, 25 Ton		547.90		602.70	17.12	18.83
32 L.H., Daily Totals		\$1217.90		\$1874.30	\$38.06	\$58.57
Crew L-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plumber	\$21.50	\$172.00	\$35.60	\$284.80	\$21.45	\$35.37
.5 Electrician	21.35	85.40	34.90	139.60		
12 L.H., Daily Totals		\$257.40		\$424.40	\$21.45	\$35.37
Crew L-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenters	\$19.10	\$152.80	\$32.75	\$262.00	\$16.35	\$27.87
2 Carpenter Helpers	14.35	229.60	24.55	392.80		
.25 Electrician	21.35	42.70	34.90	69.80		
26 L.H., Daily Totals		\$425.10		\$724.60	\$16.35	\$27.87
Crew L-8	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenters	\$19.10	\$152.80	\$32.75	\$262.00	\$17.68	\$30.04
1 Carpenter Helper	14.35	114.80	24.55	196.40		
.5 Plumber	21.50	86.00	35.60	142.40		
20 L.H., Daily Totals		\$353.60		\$600.80	\$17.68	\$30.04
Crew L-9	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Skilled Worker Foreman	\$21.25	\$170.00	\$36.50	\$292.00	\$17.75	\$30.24
1 Skilled Worker	19.25	154.00	33.05	264.40		
2 Helpers	14.35	229.60	24.55	392.80		
.5 Electrician	21.35	85.40	34.90	139.60		
36 L.H., Daily Totals		\$639.00		\$1088.80	\$17.75	\$30.24
Crew L-10	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Structural Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$21.08	\$39.50
1 Structural Steel Worker	20.50	164.00	40.45	323.60		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Hyd. Crane, 12 Ton		443.45		487.80	18.48	20.32
24 L.H., Daily Totals		\$949.45		\$1435.80	\$39.56	\$59.82
Crew M-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Elevator Constructors	\$22.20	\$532.80	\$36.70	\$880.80	\$21.09	\$34.86
1 Elevator Apprentice	17.75	142.00	29.35	234.80		
5 Hand Tools		85.00		93.50	2.66	2.92
32 L.H., Daily Totals		\$759.80		\$1209.10	\$23.75	\$37.78
Crew Q-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plumber	\$21.50	\$172.00	\$35.60	\$284.80	\$19.35	\$32.03
1 Plumber Apprentice	17.20	137.60	28.45	227.60		
16 L.H., Daily Totals		\$309.60		\$512.40	\$19.35	\$32.03
Crew Q-1C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plumber	\$21.50	\$172.00	\$35.60	\$284.80	\$19.43	\$32.20
1 Plumber Apprentice	17.20	137.60	28.45	227.60		
1 Equip. Oper. (medium)	19.60	156.80	32.55	260.40		
1 Trencher, Chain		535.90		589.50	22.33	24.56
24 L.H., Daily Totals		\$1002.30		\$1362.30	\$41.76	\$56.76
Crew Q-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plumber	\$21.50	\$172.00	\$35.60	\$284.80	\$18.63	\$30.83
2 Plumber Apprentices	17.20	275.20	28.45	455.20		
24 L.H., Daily Totals		\$447.20		\$740.00	\$18.63	\$30.83

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew Q-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Plumbers	\$21.50	\$344.00	\$35.60	\$569.60	\$19.35	\$32.03
2 Plumber Apprentices	17.20	275.20	28.45	455.20		
32 L.H., Daily Totals		\$619.20		\$1024.80	\$19.35	\$32.03
Crew Q-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Plumbers	\$21.50	\$344.00	\$35.60	\$569.60	\$20.43	\$33.81
1 Welder (plumber)	21.50	172.00	35.60	284.80		
1 Plumber Apprentice	17.20	137.60	28.45	227.60		
1 Electric Welding Mach.		49.70		54.65	1.55	1.71
32 L.H., Daily Totals		\$703.30		\$1136.65	\$21.98	\$35.52
Crew Q-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Steamfitter	\$21.60	\$172.80	\$35.75	\$286.00	\$19.45	\$32.20
1 Steamfitter Apprentice	17.30	138.40	28.65	229.20		
16 L.H., Daily Totals		\$311.20		\$515.20	\$19.45	\$32.20
Crew Q-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Steamfitters	\$21.60	\$172.80	\$35.75	\$286.00	\$18.73	\$31.02
2 Steamfitter Apprentices	17.30	276.80	28.65	458.40		
24 L.H., Daily Totals		\$449.60		\$744.40	\$18.73	\$31.02
Crew Q-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Steamfitters	\$21.60	\$345.60	\$35.75	\$572.00	\$19.45	\$32.20
2 Steamfitter Apprentices	17.30	276.80	28.65	458.40		
32 L.H., Daily Totals		\$622.40		\$1030.40	\$19.45	\$32.20
Crew Q-8	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Steamfitters	\$21.60	\$345.60	\$35.75	\$572.00	\$20.52	\$33.97
1 Welder (steamfitter)	21.60	172.80	35.75	286.00		
1 Steamfitter Apprentice	17.30	138.40	28.65	229.20		
1 Electric Welding Mach.		49.70		54.65	1.55	1.71
32 L.H., Daily Totals		\$706.50		\$1141.85	\$22.07	\$35.68
Crew Q-9	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Sheet Metal Worker	\$20.95	\$167.60	\$35.45	\$283.60	\$18.85	\$31.90
1 Sheet Metal Apprentice	16.75	134.00	28.35	226.80		
16 L.H., Daily Totals		\$301.60		\$510.40	\$18.85	\$31.90
Crew Q-10	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Sheet Metal Workers	\$20.95	\$335.20	\$35.45	\$567.20	\$19.55	\$33.08
1 Sheet Metal Apprentice	16.75	134.00	28.35	226.80		
24 L.H., Daily Totals		\$469.20		\$794.00	\$19.55	\$33.08
Crew Q-11	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Sheet Metal Workers	\$20.95	\$335.20	\$35.45	\$567.20	\$18.85	\$31.90
2 Sheet Metal Apprentices	16.75	268.00	28.35	453.60		
32 L.H., Daily Totals		\$603.20		\$1020.80	\$18.85	\$31.90
Crew Q-12	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Sprinkler Installer	\$21.45	\$171.60	\$35.50	\$284.00	\$19.30	\$31.95
1 Sprinkler Apprentice	17.15	137.20	28.40	227.20		
16 L.H., Daily Totals		\$308.80		\$511.20	\$19.30	\$31.95
Crew Q-13	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Sprinkler Installers	\$21.45	\$343.20	\$35.50	\$568.00	\$19.30	\$31.95
2 Sprinkler Apprentices	17.15	274.40	28.40	454.40		
32 L.H., Daily Totals		\$617.60		\$1022.40	\$19.30	\$31.95



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew Q-14</b>						
1 Asbestos Worker	\$20.10	\$160.80	\$35.25	\$282.00	\$18.10	\$31.75
1 Asbestos Apprentice	16.10	128.80	28.25	226.00		
16 L.H., Daily Totals		\$289.60		\$508.00	\$18.10	\$31.75
<b>Crew Q-15</b>						
1 Plumber	\$21.50	\$172.00	\$35.60	\$284.80	\$19.35	\$32.03
1 Plumber Apprentice	17.20	137.60	28.45	227.60		
1 Electric Welding Mach.		49.70		54.65	3.11	3.42
16 L.H., Daily Totals		\$359.30		\$567.05	\$22.46	\$35.45
<b>Crew Q-16</b>						
2 Plumbers	\$21.50	\$344.00	\$35.60	\$569.60	\$20.07	\$33.22
1 Plumber Apprentice	17.20	137.60	28.45	227.60		
1 Electric Welding Mach.		49.70		54.65	2.07	2.28
24 L.H., Daily Totals		\$531.30		\$851.85	\$22.14	\$35.50
<b>Crew Q-17</b>						
1 Steamfitter	\$21.60	\$172.80	\$35.75	\$286.00	\$19.45	\$32.20
1 Steamfitter Apprentice	17.30	138.40	28.65	229.20		
1 Electric Welding Mach.		49.70		54.65	3.11	3.42
16 L.H., Daily Totals		\$360.90		\$569.85	\$22.56	\$35.62
<b>Crew Q-17A</b>						
1 Steamfitter	\$21.60	\$172.80	\$35.75	\$286.00	\$19.72	\$32.68
1 Steamfitter Apprentice	17.30	138.40	28.65	229.20		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Truck Crane, 12 Ton		443.45		487.80		
1 Electric Welding Mach.		49.70		54.65	20.55	22.60
24 L.H., Daily Totals		\$966.35		\$1326.85	\$40.27	\$55.28
<b>Crew Q-18</b>						
2 Steamfitters	\$21.60	\$345.60	\$35.75	\$572.00	\$20.17	\$33.38
1 Steamfitter Apprentice	17.30	138.40	28.65	229.20		
1 Electric Welding Mach.		49.70		54.65	2.07	2.28
24 L.H., Daily Totals		\$533.70		\$855.85	\$22.24	\$35.66
<b>Crew Q-19</b>						
1 Steamfitter	\$21.60	\$172.80	\$35.75	\$286.00	\$20.08	\$33.10
1 Steamfitter Apprentice	17.30	138.40	28.65	229.20		
1 Electrician	21.35	170.80	34.90	279.20		
24 L.H., Daily Totals		\$482.00		\$794.40	\$20.08	\$33.10
<b>Crew Q-20</b>						
1 Sheet Metal Worker	\$20.95	\$167.60	\$35.45	\$283.60	\$19.35	\$32.50
1 Sheet Metal Apprentice	16.75	134.00	28.35	226.80		
.5 Electrician	21.35	85.40	34.90	139.60		
20 L.H., Daily Totals		\$387.00		\$650.00	\$19.35	\$32.50
<b>Crew Q-21</b>						
2 Steamfitters	\$21.60	\$345.60	\$35.75	\$572.00	\$20.46	\$33.76
1 Steamfitter Apprentice	17.30	138.40	28.65	229.20		
1 Electrician	21.35	170.80	34.90	279.20		
32 L.H., Daily Totals		\$654.80		\$1080.40	\$20.46	\$33.76
<b>Crew Q-22</b>						
1 Plumber	\$21.50	\$172.00	\$35.60	\$284.80	\$19.35	\$32.03
1 Plumber Apprentice	17.20	137.60	28.45	227.60		
1 Truck Crane, 12 Ton		443.45		487.80	27.72	30.49
16 L.H., Daily Totals		\$753.05		\$1000.20	\$47.07	\$62.52

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
<b>Crew Q-22A</b>						
1 Plumber	\$21.50	\$172.00	\$35.60	\$284.80	\$18.23	\$30.40
1 Plumber Apprentice	17.20	137.60	28.45	227.60		
1 Laborer	13.95	111.60	23.90	191.20		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 Truck Crane, 12 Ton		443.45		487.80	13.86	15.24
32 L.H., Daily Totals		\$1026.65		\$1460.60	\$32.09	\$45.64
<b>Crew Q-23</b>						
1 Plumber Foreman	\$23.50	\$188.00	\$38.90	\$311.20	\$21.53	\$35.68
1 Plumber	21.50	172.00	35.60	284.80		
1 Equip. Oper. (medium)	19.60	156.80	32.55	260.40		
1 Power Tools		2.00		2.20		
1 Crane, 20 Ton		512.55		563.80	21.44	23.58
24 L.H., Daily Totals		\$1031.35		\$1422.40	\$42.97	\$59.26
<b>Crew R-1</b>						
1 Electrician Foreman	\$21.85	\$174.80	\$35.70	\$285.60	\$19.10	\$31.58
3 Electricians	21.35	512.40	34.90	837.60		
2 Helpers	14.35	229.60	24.55	392.80		
48 L.H., Daily Totals		\$916.80		\$1516.00	\$19.10	\$31.58
<b>Crew R-1A</b>						
1 Electrician	\$21.35	\$170.80	\$34.90	\$279.20	\$17.85	\$29.73
1 Helper	14.35	114.80	24.55	196.40		
16 L.H., Daily Totals		\$285.60		\$475.60	\$17.85	\$29.73
<b>Crew R-2</b>						
1 Electrician Foreman	\$21.85	\$174.80	\$35.70	\$285.60	\$19.26	\$31.88
3 Electricians	21.35	512.40	34.90	837.60		
2 Helpers	14.35	229.60	24.55	392.80		
1 Equip. Oper. (crane)	20.25	162.00	33.65	269.20		
1 S.P. Crane, 5 Ton		271.45		298.60	4.85	5.33
56 L.H., Daily Totals		\$1350.25		\$2083.80	\$24.11	\$37.21
<b>Crew R-3</b>						
1 Electrician Foreman	\$21.85	\$174.80	\$35.70	\$285.60	\$21.33	\$34.97
1 Electrician	21.35	170.80	34.90	279.20		
.5 Equip. Oper. (crane)	20.25	81.00	33.65	134.60		
.5 S.P. Crane, 5 Ton		135.73		149.30	6.79	7.46
20 L.H., Daily Totals		\$562.33		\$848.70	\$28.12	\$42.43
<b>Crew R-4</b>						
1 Struc. Steel Foreman	\$22.50	\$180.00	\$44.40	\$355.20	\$21.07	\$40.13
3 Struc. Steel Workers	20.50	492.00	40.45	970.80		
1 Electrician	21.35	170.80	34.90	279.20		
1 Gas Welding Machine		82.35		90.60	2.06	2.26
40 L.H., Daily Totals		\$925.15		\$1695.80	\$23.13	\$42.39
<b>Crew R-5</b>						
1 Electrician Foreman	\$21.85	\$174.80	\$35.70	\$285.60	\$18.85	\$31.21
4 Electrician Linemen	21.35	683.20	34.90	1116.80		
2 Electrician Operators	21.35	341.60	34.90	558.40		
4 Electrician Groundmen	14.35	459.20	24.55	785.60		
1 Crew Truck		197.30		217.05		
1 Tool Van		212.10		233.30		
1 Pickup Truck, 3/4 Ton		128.95		141.85		
.2 Crane, 55 Ton		158.62		174.50		
.2 Crane, 12 Ton		88.69		97.55		
.2 Auger, Truck Mtd.		355.20		390.70		
1 Tractor w/Winch		296.95		326.65	16.34	17.97
88 L.H., Daily Totals		\$3096.61		\$4328.00	\$35.19	\$49.18



# Crews

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew R-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$21.85	\$174.80	\$35.70	\$285.60	\$18.85	\$31.21
4 Electrician Linemen	21.35	683.20	34.90	1116.80		
2 Electrician Operators	21.35	341.60	34.90	558.40		
4 Electrician Groundmen	14.35	459.20	24.55	785.60		
1 Crew Truck		197.30		217.05		
1 Tool Van		212.10		233.30		
1 Pickup Truck, 3/4 Ton		128.95		141.85		
.2 Crane, 55 Ton		158.62		174.50		
.2 Crane, 12 Ton		88.69		97.55		
.2 Auger, Truck Mtd.		355.20		390.70		
1 Tractor w/Winch		296.95		326.65		
3 Cable Trailers		419.70		461.65		
.5 Tensioning Rig		135.95		149.55		
.5 Cable Pulling Rig		813.50		894.85	31.90	35.09
88 L.H., Daily Totals		\$4465.76		\$5834.05	\$50.75	\$66.30
Crew R-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$21.85	\$174.80	\$35.70	\$285.60	\$15.60	\$26.41
5 Electrician Groundmen	14.35	574.00	24.55	982.00		
1 Crew Truck		197.30		217.05	4.11	4.52
48 L.H., Daily Totals		\$946.10		\$1484.65	\$19.71	\$30.93
Crew R-8	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$21.85	\$174.80	\$35.70	\$285.60	\$19.10	\$31.58
3 Electrician Linemen	21.35	512.40	34.90	837.60		
2 Electrician Groundmen	14.35	229.60	24.55	392.80		
1 Pickup Truck, 3/4 Ton		128.95		141.85		
1 Crew Truck		197.30		217.05	6.80	7.48
48 L.H., Daily Totals		\$1243.05		\$1874.90	\$25.90	\$39.06
Crew R-9	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$21.85	\$174.80	\$35.70	\$285.60	\$17.91	\$29.83
1 Electrician Lineman	21.35	170.80	34.90	279.20		
2 Electrician Operators	21.35	341.60	34.90	558.40		
4 Electrician Groundmen	14.35	459.20	24.55	785.60		
1 Pickup Truck, 3/4 Ton		128.95		141.85		
1 Crew Truck		197.30		217.05	5.10	5.61
64 L.H., Daily Totals		\$1472.65		\$2267.70	\$23.01	\$35.44
Crew R-10	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$21.85	\$174.80	\$35.70	\$285.60	\$20.27	\$33.31
4 Electrician Linemen	21.35	683.20	34.90	1116.80		
1 Electrician Groundman	14.35	114.80	24.55	196.40		
1 Crew Truck		197.30		217.05		
3 Tram Cars		528.75		581.65	15.13	16.64
48 L.H., Daily Totals		\$1698.85		\$2397.50	\$35.40	\$49.95
Crew R-11	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$21.85	\$174.80	\$35.70	\$285.60	\$19.36	\$31.96
4 Electricians	21.35	683.20	34.90	1116.80		
1 Helper	14.35	114.80	24.55	196.40		
1 Common Laborer	13.95	111.60	23.90	191.20		
1 Crew Truck		197.30		217.05		
1 Crane, 12 Ton		443.45		487.80	11.44	12.59
56 L.H., Daily Totals		\$1725.15		\$2494.85	\$30.80	\$44.55

Crew No.	Bare Costs		Incl. Subs O & P		Cost Per Labor-Hour	
Crew R-12	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman	\$19.60	\$156.80	\$33.60	\$268.80	\$17.45	\$30.29
4 Carpenters	19.10	611.20	32.75	1048.00		
4 Common Laborers	13.95	446.40	23.90	764.80		
1 Equip. Oper. (med.)	19.60	156.80	32.55	260.40		
1 Steel Worker	20.50	164.00	40.45	323.60		
1 Dozer, 200 H.P.		838.95		922.85		
1 Pickup Truck, 3/4 Ton		128.95		141.85	11.00	12.10
88 L.H., Daily Totals		\$2503.10		\$3730.30	\$28.45	\$42.39
Crew R-15	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$21.85	\$174.80	\$35.70	\$285.60	\$21.00	\$34.41
4 Electricians	21.35	683.20	34.90	1116.80		
1 Equipment Operator	18.75	150.00	31.15	249.20		
1 Aerial Lift Truck		281.35		309.50	5.86	6.45
48 L.H., Daily Totals		\$1289.35		\$1961.10	\$26.86	\$40.86
Crew R-18	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.25 Electrician Foreman	\$21.85	\$43.70	\$35.70	\$71.40	\$17.08	\$28.59
1 Electrician	21.35	170.80	34.90	279.20		
2 Helpers	14.35	229.60	24.55	392.80		
26 L.H., Daily Totals		\$444.10		\$743.40	\$17.08	\$28.59
Crew R-19	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.5 Electrician Foreman	\$21.85	\$87.40	\$35.70	\$142.80	\$21.45	\$35.06
2 Electricians	21.35	341.60	34.90	558.40		
20 L.H., Daily Totals		\$429.00		\$701.20	\$21.45	\$35.06
Crew R-21	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$21.85	\$174.80	\$35.70	\$285.60	\$21.43	\$35.04
3 Electricians	21.35	512.40	34.90	837.60		
.1 Equip. Oper. (med.)	19.60	15.68	32.55	26.04		
.1 Hyd. Crane 25 Ton		54.79		60.25	1.67	1.84
32 L.H., Daily Totals		\$757.67		\$1209.49	\$23.10	\$36.88
Crew R-22	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.66 Electrician Foreman	\$21.85	\$115.37	\$35.70	\$188.50	\$18.42	\$30.57
2 Helpers	14.35	229.60	24.55	392.80		
2 Electricians	21.35	341.60	34.90	558.40		
37.28 L.H., Daily Totals		\$686.57		\$1139.70	\$18.42	\$30.57