

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew A-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Building Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$21.35	\$33.65
1 Gas Eng. Power Tool		68.65		75.50	8.58	9.44
8 L.H., Daily Totals		\$239.45		\$344.70	\$29.93	\$43.09
Crew A-1A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Skilled Worker	\$27.75	\$222.00	\$43.55	\$348.40	\$27.75	\$43.55
1 Shot Blaster, 20"		131.90		145.10	16.49	18.14
8 L.H., Daily Totals		\$353.90		\$493.50	\$44.24	\$61.69
Crew A-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$21.35	\$341.60	\$33.65	\$538.40	\$22.28	\$34.68
1 Truck Driver (light)	24.15	193.20	36.75	294.00		
1 Light Truck, 1.5 Ton		171.95		189.15	7.16	7.88
24 L.H., Daily Totals		\$706.75		\$1021.55	\$29.44	\$42.56
Crew A-2A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$21.35	\$341.60	\$33.65	\$538.40	\$22.28	\$34.68
1 Truck Driver (light)	24.15	193.20	36.75	294.00		
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		\$817.40		\$1143.25	\$34.06	\$47.63
Crew A-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$24.65	\$197.20	\$37.50	\$300.00	\$24.65	\$37.50
1 Dump Truck, 12 Ton		364.30		400.75	45.54	50.09
8 L.H., Daily Totals		\$561.50		\$700.75	\$70.19	\$87.59
Crew A-3A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (light)	\$24.15	\$193.20	\$36.75	\$294.00	\$24.15	\$36.75
1 Pickup truck (4x4)		145.50		160.05	18.19	20.01
8 L.H., Daily Totals		\$338.70		\$454.05	\$42.34	\$56.76
Crew A-3B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (medium)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.70	\$40.53
1 Truck Driver (heavy)	24.65	197.20	37.50	300.00		
1 Dump Truck, 16 Ton		442.25		486.50	27.64	30.40
16 L.H., Daily Totals		\$869.45		\$1134.90	\$54.34	\$70.93
Crew A-3C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (light)	\$28.10	\$224.80	\$42.55	\$340.40	\$28.10	\$42.55
1 Wheeled Skid Steer Loader		230.25		253.30	28.78	31.66
8 L.H., Daily Totals		\$455.05		\$593.70	\$56.88	\$74.21
Crew A-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$26.35	\$421.60	\$41.55	\$664.80	\$25.07	\$39.30
1 Painter, Ordinary	22.50	180.00	34.80	278.40		
24 L.H., Daily Totals		\$601.60		\$943.20	\$25.07	\$39.30
Crew A-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$21.35	\$341.60	\$33.65	\$538.40	\$21.66	\$33.99
.25 Truck Driver (light)	24.15	48.30	36.75	73.50		
.25 Light Truck, 1.5 Ton		42.99		47.30	2.39	2.63
18 L.H., Daily Totals		\$432.89		\$659.20	\$24.05	\$36.62
Crew A-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Chief Of Party	\$28.10	\$224.80	\$42.55	\$340.40	\$27.23	\$41.23
1 Instrument Man	26.35	210.80	39.90	319.20		
16 L.H., Daily Totals		\$435.60		\$659.60	\$27.23	\$41.23

Crew A-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Chief Of Party	\$28.10	\$224.80	\$42.55	\$340.40	\$24.97	\$38.18
1 Instrument Man	26.35	210.80	39.90	319.20		
1 Rodman/Chainman	20.45	163.60	32.10	256.80		
24 L.H., Daily Totals		\$599.20		\$916.40	\$24.97	\$38.18
Crew A-8	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Chief Of Party	\$28.10	\$224.80	\$42.55	\$340.40	\$23.84	\$36.66
1 Instrument Man	26.35	210.80	39.90	319.20		
2 Rodmen/Chainmen	20.45	327.20	32.10	513.60		
32 L.H., Daily Totals		\$762.80		\$1173.20	\$23.84	\$36.66
Crew A-9	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Asbestos Foreman	\$31.60	\$252.80	\$51.05	\$408.40	\$31.16	\$50.35
7 Asbestos Workers	31.10	1741.60	50.25	2814.00		
64 L.H., Daily Totals		\$1994.40		\$3222.40	\$31.16	\$50.35
Crew A-10	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Asbestos Foreman	\$31.60	\$252.80	\$51.05	\$408.40	\$31.16	\$50.35
7 Asbestos Workers	31.10	1741.60	50.25	2814.00		
64 L.H., Daily Totals		\$1994.40		\$3222.40	\$31.16	\$50.35
Crew A-10A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Asbestos Foreman	\$31.60	\$252.80	\$51.05	\$408.40	\$31.27	\$50.52
2 Asbestos Workers	31.10	497.60	50.25	804.00		
24 L.H., Daily Totals		\$750.40		\$1212.40	\$31.27	\$50.52
Crew A-10B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Asbestos Foreman	\$31.60	\$252.80	\$51.05	\$408.40	\$31.23	\$50.45
3 Asbestos Workers	31.10	746.40	50.25	1206.00		
32 L.H., Daily Totals		\$999.20		\$1614.40	\$31.23	\$50.45
Crew A-10C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Asbestos Workers	\$31.10	\$746.40	\$50.25	\$1206.00	\$31.10	\$50.25
1 Flatbed truck		171.95		189.15	7.16	7.88
24 L.H., Daily Totals		\$918.35		\$1395.15	\$38.26	\$58.13
Crew A-10D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Asbestos Workers	\$31.10	\$497.60	\$50.25	\$804.00	\$29.50	\$46.25
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hydraulic crane, 33 ton		694.95		764.45	21.72	23.89
32 L.H., Daily Totals		\$1638.95		\$2244.45	\$51.22	\$70.14
Crew A-11	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Asbestos Foreman	\$31.60	\$252.80	\$51.05	\$408.40	\$31.16	\$50.35
7 Asbestos Workers	31.10	1741.60	50.25	2814.00		
2 Chipping Hammers		25.90		28.50	.40	.45
64 L.H., Daily Totals		\$2020.30		\$3250.90	\$31.56	\$50.80
Crew A-12	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Asbestos Foreman	\$31.60	\$252.80	\$51.05	\$408.40	\$31.16	\$50.35
7 Asbestos Workers	31.10	1741.60	50.25	2814.00		
1 Large Prod. Vac. Loader		524.90		577.40	8.20	9.02
64 L.H., Daily Totals		\$2519.30		\$3799.80	\$39.36	\$59.37
Crew A-13	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (light)	\$28.10	\$224.80	\$42.55	\$340.40	\$28.10	\$42.55
1 Large Prod. Vac. Loader		524.90		577.40	65.61	72.17
8 L.H., Daily Totals		\$749.70		\$917.80	\$93.71	\$114.72

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.02	\$34.70
2 Laborers	21.35	341.60	33.65	538.40		
24 L.H., Daily Totals		\$528.40		\$832.80	\$22.02	\$34.70
Crew B-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$21.75	\$34.28
4 Laborers	21.35	683.20	33.65	1076.80		
40 L.H., Daily Totals		\$870.00		\$1371.20	\$21.75	\$34.28
Crew B-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.02	\$37.11
2 Laborers	21.35	341.60	33.65	538.40		
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
2 Truck Drivers (heavy)	24.65	394.40	37.50	600.00		
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		\$2902.40		\$3705.75	\$60.47	\$77.21
Crew B-3A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
4 Laborers	\$21.35	\$683.20	\$33.65	\$1076.80	\$22.83	\$35.63
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
1 Hyd. Excavator, 1.5 C.Y.		712.70		783.95	17.82	19.60
40 L.H., Daily Totals		\$1625.90		\$2209.15	\$40.65	\$55.23
Crew B-3B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$21.35	\$341.60	\$33.65	\$538.40	\$24.02	\$37.09
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
1 Truck Drivers (heavy)	24.65	197.20	37.50	300.00		
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		\$1501.15		\$1992.40	\$46.91	\$62.26
Crew B-3C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Laborers	\$21.35	\$512.40	\$33.65	\$807.60	\$23.20	\$36.13
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
1 F.E. Loader, 3.75 C.Y.		576.90		634.60	18.03	19.83
32 L.H., Daily Totals		\$1319.30		\$1790.60	\$41.23	\$55.96
Crew B-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.23	\$34.82
4 Laborers	21.35	683.20	33.65	1076.80		
1 Truck Driver (heavy)	24.65	197.20	37.50	300.00		
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		\$1541.95		\$2193.40	\$32.12	\$45.70
Crew B-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$23.75	\$36.93
4 Laborers	21.35	683.20	33.65	1076.80		
2 Equip. Oper. (med.)	28.75	460.00	43.55	696.80		
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		
1 F.E. Loader, T.M., 2.5 C.Y.		865.10		951.60	18.67	20.53
56 L.H., Daily Totals		\$2375.40		\$3217.95	\$42.42	\$57.46

Crew B-5A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$23.86	\$36.95
6 Laborers	21.35	1024.80	33.65	1615.20		
2 Equip. Oper. (med.)	28.75	460.00	43.55	696.80		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
2 Truck Drivers (heavy)	24.65	394.40	37.50	600.00		
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		\$3274.30		\$4628.65	\$34.10	\$48.22
Crew B-5B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Powderman	\$27.75	\$222.00	\$43.55	\$348.40	\$26.53	\$40.52
2 Equip. Oper. (med.)	28.75	460.00	43.55	696.80		
3 Truck Drivers (heavy)	24.65	591.60	37.50	900.00		
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		\$3225.15		\$4091.95	\$67.19	\$85.24
Crew B-5C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Laborers	\$21.35	\$512.40	\$33.65	\$807.60	\$24.74	\$38.00
1 Equip. Oper. (medium)	28.75	230.00	43.55	348.40		
2 Truck Drivers (heavy)	24.65	394.40	37.50	600.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
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		\$4157.60		\$5263.85	\$64.97	\$82.25
Crew B-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$21.35	\$341.60	\$33.65	\$538.40	\$23.60	\$36.62
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Backhoe Loader, 48 H.P.		218.80		240.70	9.12	10.03
24 L.H., Daily Totals		\$785.20		\$1119.50	\$32.72	\$46.65
Crew B-6A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.5 Labor Foreman (outside)	\$23.35	\$93.40	\$36.80	\$147.20	\$24.71	\$38.24
1 Laborers	21.35	170.80	33.65	269.20		
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
1 Vacuum Trk., 5000 Gal		320.15		352.15	16.01	17.61
20 L.H., Daily Totals		\$814.35		\$1116.95	\$40.72	\$55.85
Crew B-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.92	\$35.83
4 Laborers	21.35	683.20	33.65	1076.80		
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
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		\$2285.30		\$3023.40	\$47.61	\$62.99
Crew B-7A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$21.35	\$341.60	\$33.65	\$538.40	\$23.60	\$36.62
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
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		\$839.90		\$1179.65	\$35.00	\$49.16

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-8	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.90	\$38.26
2 Laborers	21.35	341.60	33.65	538.40		
2 Equip. Oper. (med.)	28.75	460.00	43.55	696.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
2 Truck Drivers (heavy)	24.65	394.40	37.50	600.00		
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	35.92	39.51
64 L.H., Daily Totals		\$3892.55		\$4977.65	\$60.82	\$77.77
Crew B-9	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$21.75	\$34.28
4 Laborers	21.35	683.20	33.65	1076.80		
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		\$1050.30		\$1569.55	\$26.26	\$39.24
Crew B-9A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$21.35	\$341.60	\$33.65	\$538.40	\$22.45	\$34.93
1 Truck Driver (heavy)	24.65	197.20	37.50	300.00		
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		\$1078.75		\$1432.35	\$44.95	\$59.68
Crew B-9B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$21.35	\$341.60	\$33.65	\$538.40	\$22.45	\$34.93
1 Truck Driver (heavy)	24.65	197.20	37.50	300.00		
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		\$1134.15		\$1493.30	\$47.26	\$62.22
Crew B-9C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$21.75	\$34.28
4 Laborers	21.35	683.20	33.65	1076.80		
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		\$1050.30		\$1569.55	\$26.26	\$39.24
Crew B-10	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
12 L.H., Daily Totals		\$315.40		\$483.00	\$26.28	\$40.25
Crew B-10A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Roll. Compact., 2K Lbs.		93.05		102.35	7.75	8.53
12 L.H., Daily Totals		\$408.45		\$585.35	\$34.03	\$48.78
Crew B-10B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Dozer, 200 H.P.		838.95		922.85	69.91	76.90
12 L.H., Daily Totals		\$1154.35		\$1405.85	\$96.19	\$117.15

Crew B-10C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Dozer, 200 H.P.		838.95		922.85		
1 Vibratory Roller, Towed		112.90		124.20	79.32	87.25
12 L.H., Daily Totals		\$1267.25		\$1530.05	\$105.60	\$127.50
Crew B-10D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Dozer, 200 H.P.		838.95		922.85		
1 Sheepsft. Roller, Towed		124.90		137.40	80.32	88.35
12 L.H., Daily Totals		\$1279.25		\$1543.25	\$106.60	\$128.60
Crew B-10E	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Tandem Roller, 5 Ton		152.85		168.15	12.74	14.01
12 L.H., Daily Totals		\$468.25		\$651.15	\$39.02	\$54.26
Crew B-10F	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Tandem Roller, 10 Ton		245.10		269.60	20.43	22.47
12 L.H., Daily Totals		\$560.50		\$752.60	\$46.71	\$62.72
Crew B-10G	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Sheepsft. Roll., 130 H.P.		558.70		614.55	46.56	51.21
12 L.H., Daily Totals		\$874.10		\$1097.55	\$72.84	\$91.46
Crew B-10H	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
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	3.70	4.07
12 L.H., Daily Totals		\$359.85		\$531.90	\$29.98	\$44.32
Crew B-10I	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
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	7.83	8.61
12 L.H., Daily Totals		\$409.30		\$586.30	\$34.11	\$48.86
Crew B-10J	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
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	4.85	5.34
12 L.H., Daily Totals		\$373.60		\$547.05	\$31.13	\$45.59

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-10K	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
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	18.33	20.16
12 L.H., Daily Totals		\$535.35		\$724.95	\$44.61	\$60.41
Crew B-10L	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Dozer, 75 H.P.		307.75		338.50	25.65	28.21
12 L.H., Daily Totals		\$623.15		\$821.50	\$51.93	\$68.46
Crew B-10M	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Dozer, 300 H.P.		1131.00		1244.10	94.25	103.68
12 L.H., Daily Totals		\$1446.40		\$1727.10	\$120.53	\$143.93
Crew B-10N	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 F.E. Loader, T.M., 1.5 C.Y.		350.10		385.10	29.18	32.09
12 L.H., Daily Totals		\$665.50		\$868.10	\$55.46	\$72.34
Crew B-10O	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 F.E. Loader, T.M., 2.25 C.Y.		510.40		561.45	42.53	46.79
12 L.H., Daily Totals		\$825.80		\$1044.45	\$68.81	\$87.04
Crew B-10P	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 F.E. Loader, T.M., 2.5 C.Y.		865.10		951.60	72.09	79.30
12 L.H., Daily Totals		\$1180.50		\$1434.60	\$98.37	\$119.55
Crew B-10Q	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 F.E. Loader, T.M., 5 C.Y.		1142.00		1256.20	95.17	104.68
12 L.H., Daily Totals		\$1457.40		\$1739.20	\$121.45	\$144.93
Crew B-10R	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 F.E. Loader, W.M., 1 C.Y.		244.65		269.10	20.39	22.43
12 L.H., Daily Totals		\$560.05		\$752.10	\$46.67	\$62.68
Crew B-10S	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 F.E. Loader, W.M., 1.5 C.Y.		320.10		352.10	26.68	29.34
12 L.H., Daily Totals		\$635.50		\$835.10	\$52.96	\$69.59
Crew B-10T	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 F.E. Ldr, W.M., 2.5CY		450.50		495.55	37.54	41.30
12 L.H., Daily Totals		\$765.90		\$978.55	\$63.82	\$81.55

Crew B-10U	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 F.E. Loader, W.M., 5.5 C.Y.		926.50		1019.15	77.21	84.93
12 L.H., Daily Totals		\$1241.90		\$1502.15	\$103.49	\$125.18
Crew B-10V	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Dozer, 700 H.P.		2765.00		3041.50	230.42	253.46
12 L.H., Daily Totals		\$3080.40		\$3524.50	\$256.70	\$293.71
Crew B-10W	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Dozer, 105 H.P.		417.45		459.20	34.79	38.27
12 L.H., Daily Totals		\$732.85		\$942.20	\$61.07	\$78.52
Crew B-10X	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Dozer, 410 H.P.		1380.00		1518.00	115.00	126.50
12 L.H., Daily Totals		\$1695.40		\$2001.00	\$141.28	\$166.75
Crew B-10Y	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Vibratory Drum Roller		351.85		387.05	29.32	32.25
12 L.H., Daily Totals		\$667.25		\$870.05	\$55.60	\$72.50
Crew B-11	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$25.05	\$38.60
1 Laborer	21.35	170.80	33.65	269.20		
16 L.H., Daily Totals		\$400.80		\$617.60	\$25.05	\$38.60
Crew B-11A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$25.05	\$38.60
1 Laborer	21.35	170.80	33.65	269.20		
1 Dozer, 200 H.P.		838.95		922.85	52.43	57.68
16 L.H., Daily Totals		\$1239.75		\$1540.45	\$77.48	\$96.28
Crew B-11B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$25.05	\$38.60
1 Laborer	21.35	170.80	33.65	269.20		
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		\$1445.25		\$1766.55	\$90.33	\$110.41
Crew B-11C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$25.05	\$38.60
1 Laborer	21.35	170.80	33.65	269.20		
1 Backhoe Loader, 48 H.P.		218.80		240.70	13.68	15.04
16 L.H., Daily Totals		\$619.60		\$858.30	\$38.73	\$53.64
Crew B-11K	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$25.05	\$38.60
1 Laborer	21.35	170.80	33.65	269.20		
1 Trencher, 8' D., 16" W.		535.90		589.50	33.49	36.84
16 L.H., Daily Totals		\$936.70		\$1207.10	\$58.54	\$75.44

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-11L	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$25.05	\$38.60
1 Laborer	21.35	170.80	33.65	269.20		
1 Grader, 30,000 Lbs.		575.55		633.10	35.97	39.57
16 L.H., Daily Totals		\$976.35		\$1250.70	\$61.02	\$78.17
Crew B-11M	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$25.05	\$38.60
1 Laborer	21.35	170.80	33.65	269.20		
1 Backhoe Loader, 80 H.P.		290.10		319.10	18.13	19.94
16 L.H., Daily Totals		\$690.90		\$936.70	\$43.18	\$58.54
Crew B-11N	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$25.42	\$38.77
2 Equipment Operators (med.)	28.75	460.00	43.55	696.80		
6 Truck Drivers (hvy.)	24.65	1183.20	37.50	1800.00		
1 F.E. Loader, 5.5 C.Y.		926.50		1019.15		
1 Dozer, 400 H.P.		1380.00		1518.00		
6 Off Hwy. Tks. 50 Ton		8400.00		9240.00	148.70	163.57
72 L.H., Daily Totals		\$12536.50		\$14568.35	\$174.12	\$202.34
Crew B-11Q	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Operator (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Dozer, 140 H.P.		506.00		556.60	42.17	46.38
12 L.H., Daily Totals		\$821.40		\$1039.60	\$68.45	\$86.63
Crew B-11R	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Operator (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Dozer, 215 H.P.		838.95		922.85	69.91	76.90
12 L.H., Daily Totals		\$1154.35		\$1405.85	\$96.19	\$117.15
Crew B-11S	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Operator	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Dozer, 285 H.P.		1131.00		1244.10	94.25	103.68
12 L.H., Daily Totals		\$1446.40		\$1727.10	\$120.53	\$143.93
Crew B-11T	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Operator (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Dozer, 370 H.P.		1380.00		1518.00	115.00	126.50
12 L.H., Daily Totals		\$1695.40		\$2001.00	\$141.28	\$166.75
Crew B-11U	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Operator (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.28	\$40.25
.5 Laborer	21.35	85.40	33.65	134.60		
1 Dozer, 520 H.P.		1720.00		1892.00	143.33	157.67
12 L.H., Daily Totals		\$2035.40		\$2375.00	\$169.61	\$197.92
Crew B-11V	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Laborer	\$21.35	\$512.40	\$33.65	\$807.60	\$21.35	\$33.65
1 Roll. Compact., 2K Lbs.		93.05		102.35	3.88	4.26
24 L.H., Daily Totals		\$605.45		\$909.95	\$25.23	\$37.91
Crew B-12	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
16 L.H., Daily Totals		\$446.40		\$676.00	\$27.90	\$42.25

Crew B-12A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hyd. Excavator, 1 C.Y.		547.60		602.35	34.23	37.65
16 L.H., Daily Totals		\$994.00		\$1278.35	\$62.13	\$79.90
Crew B-12B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hyd. Excavator, 1.5 C.Y.		712.70		783.95	44.54	49.00
16 L.H., Daily Totals		\$1159.10		\$1459.95	\$72.44	\$91.25
Crew B-12C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hyd. Excavator, 2 C.Y.		1023.00		1125.30	63.94	70.33
16 L.H., Daily Totals		\$1469.40		\$1801.30	\$91.84	\$112.58
Crew B-12D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hyd. Excavator, 3.5 C.Y.		2156.00		2371.60	134.75	148.23
16 L.H., Daily Totals		\$2602.40		\$3047.60	\$162.65	\$190.48
Crew B-12E	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hyd. Excavator, .5 C.Y.		336.45		370.10	21.03	23.13
16 L.H., Daily Totals		\$782.85		\$1046.10	\$48.93	\$65.38
Crew B-12F	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hyd. Excavator, .75 C.Y.		449.10		494.00	28.07	30.88
16 L.H., Daily Totals		\$895.50		\$1170.00	\$55.97	\$73.13
Crew B-12G	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Power Shovel, .5 C.Y.		472.00		519.20		
1 Clamshell Bucket, .5 C.Y.		49.90		54.90	32.62	35.88
16 L.H., Daily Totals		\$968.30		\$1250.10	\$60.52	\$78.13
Crew B-12H	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Power Shovel, 1 C.Y.		506.80		557.50		
1 Clamshell Bucket, 1 C.Y.		67.10		73.80	35.87	39.46
16 L.H., Daily Totals		\$1020.30		\$1307.30	\$63.77	\$81.71
Crew B-12I	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Power Shovel, .75 C.Y.		491.60		540.75		
1 Dragline Bucket, .75 C.Y.		33.55		36.90	32.82	36.10
16 L.H., Daily Totals		\$971.55		\$1253.65	\$60.72	\$78.35

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-12J	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Gradall, 3 Ton, .5 C.Y.		636.75		700.40	39.80	43.78
16 L.H., Daily Totals		\$1083.15		\$1376.40	\$67.70	\$86.03
Crew B-12K	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Gradall, 3 Ton, 1 C.Y.		805.75		886.35	50.36	55.40
16 L.H., Daily Totals		\$1252.15		\$1562.35	\$78.26	\$97.65
Crew B-12L	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Power Shovel, .5 C.Y.		472.00		519.20		
1 F.E. Attachment, .5 C.Y.		55.05		60.55	32.94	36.23
16 L.H., Daily Totals		\$973.45		\$1255.75	\$60.84	\$78.48
Crew B-12M	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Power Shovel, .75 C.Y.		491.60		540.75		
1 F.E. Attachment, .75 C.Y.		102.50		112.75	37.13	40.84
16 L.H., Daily Totals		\$1040.50		\$1329.50	\$65.03	\$83.09
Crew B-12N	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Power Shovel, 1 C.Y.		506.80		557.50		
1 F.E. Attachment, 1 C.Y.		131.00		144.10	39.86	43.85
16 L.H., Daily Totals		\$1084.20		\$1377.60	\$67.76	\$86.10
Crew B-12O	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Power Shovel, 1.5 C.Y.		704.30		774.75		
1 F.E. Attachment, 1.5 C.Y.		159.70		175.65	54.00	59.40
16 L.H., Daily Totals		\$1310.40		\$1626.40	\$81.90	\$101.65
Crew B-12P	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Crawler Crane, 40 Ton		704.30		774.75		
1 Dragline Bucket, 1.5 C.Y.		48.15		52.95	47.03	51.73
16 L.H., Daily Totals		\$1198.85		\$1503.70	\$74.93	\$93.98
Crew B-12Q	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hyd. Excavator, 5/8 C.Y.		394.25		433.70	24.64	27.10
16 L.H., Daily Totals		\$840.65		\$1109.70	\$52.54	\$69.35
Crew B-12R	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hyd. Excavator, 1.5 C.Y.		712.70		783.95	44.54	49.00
16 L.H., Daily Totals		\$1159.10		\$1459.95	\$72.44	\$91.25

Crew B-12S	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hyd. Excavator, 2.5 C.Y.		1695.00		1864.50	105.94	116.53
16 L.H., Daily Totals		\$2141.40		\$2540.50	\$133.84	\$158.78
Crew B-12T	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Crawler Crane, 75 Ton		929.30		1022.25		
1 F.E. Attachment, 3 C.Y.		300.15		330.15	76.84	84.52
16 L.H., Daily Totals		\$1675.85		\$2028.40	\$104.74	\$126.77
Crew B-12V	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$27.90	\$42.25
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Crawler Crane, 75 Ton		929.30		1022.25		
1 Dragline Bucket, 3 C.Y.		82.70		90.95	63.25	69.58
16 L.H., Daily Totals		\$1458.40		\$1789.20	\$91.15	\$111.83
Crew B-13	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$23.51	\$36.56
4 Laborers	21.35	683.20	33.65	1076.80		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hyd. Crane, 25 Ton		549.35		604.30	9.81	10.79
56 L.H., Daily Totals		\$1865.75		\$2651.50	\$33.32	\$47.35
Crew B-13A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$24.69	\$38.03
2 Laborers	21.35	341.60	33.65	538.40		
2 Equipment Operator	28.75	460.00	43.55	696.80		
2 Truck Drivers (heavy)	24.65	394.40	37.50	600.00		
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		\$4182.70		\$5209.50	\$74.69	\$93.03
Crew B-13B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$23.51	\$36.56
4 Laborers	21.35	683.20	33.65	1076.80		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hyd. Crane, 55 Ton		793.10		872.40	14.16	15.58
56 L.H., Daily Totals		\$2109.50		\$2919.60	\$37.67	\$52.14
Crew B-13C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$23.51	\$36.56
4 Laborers	21.35	683.20	33.65	1076.80		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Crawler Crane, 100 Ton		1131.00		1244.10	20.20	22.22
56 L.H., Daily Totals		\$2447.40		\$3291.30	\$43.71	\$58.78
Crew B-14	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.81	\$35.66
4 Laborers	21.35	683.20	33.65	1076.80		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Backhoe Loader, 48 H.P.		218.80		240.70	4.56	5.01
48 L.H., Daily Totals		\$1313.60		\$1952.30	\$27.37	\$40.67

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-15	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Oper. (med)	\$28.75	\$230.00	\$43.55	\$348.40	\$25.35	\$38.68
.5 Laborer	21.35	85.40	33.65	134.60		
2 Truck Drivers (heavy)	24.65	394.40	37.50	600.00		
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		\$2433.25		\$2978.80	\$86.90	\$106.39
Crew B-16	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.68	\$35.40
2 Laborers	21.35	341.60	33.65	538.40		
1 Truck Driver (heavy)	24.65	197.20	37.50	300.00		
1 Dump Truck, 16 Ton		442.25		486.50	13.82	15.20
32 L.H., Daily Totals		\$1167.85		\$1619.30	\$36.50	\$50.60
Crew B-17	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$21.35	\$341.60	\$33.65	\$538.40	\$23.86	\$36.84
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Truck Driver (heavy)	24.65	197.20	37.50	300.00		
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		\$1346.70		\$1820.25	\$42.08	\$56.88
Crew B-18	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.02	\$34.70
2 Laborers	21.35	341.60	33.65	538.40		
1 Vibrating Compactor		52.00		57.20	2.17	2.38
24 L.H., Daily Totals		\$580.40		\$890.00	\$24.19	\$37.08
Crew B-19	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Pile Driver Foreman	\$29.30	\$234.40	\$49.15	\$393.20	\$27.97	\$45.18
4 Pile Drivers	27.30	873.60	45.80	1465.60		
2 Equip. Oper. (crane)	29.45	471.20	44.60	713.60		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
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	22.46	24.71
64 L.H., Daily Totals		\$3227.65		\$4473.05	\$50.43	\$69.89
Crew B-19A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Pile Driver Foreman	\$29.30	\$234.40	\$49.15	\$393.20	\$27.97	\$45.18
4 Pile Drivers	27.30	873.60	45.80	1465.60		
2 Equip. Oper. (crane)	29.45	471.20	44.60	713.60		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Crawler Crane, 75 Ton		929.30		1022.25		
60 L.F. 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		\$3201.25		\$4444.00	\$50.02	\$69.44
Crew B-20	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (out)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.15	\$38.00
1 Skilled Worker	27.75	222.00	43.55	348.40		
1 Laborer	21.35	170.80	33.65	269.20		
24 L.H., Daily Totals		\$579.60		\$912.00	\$24.15	\$38.00

Crew B-20A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$26.09	\$40.21
1 Laborer	21.35	170.80	33.65	269.20		
1 Plumber	33.15	265.20	50.25	402.00		
1 Plumber Apprentice	26.50	212.00	40.15	321.20		
32 L.H., Daily Totals		\$834.80		\$1286.80	\$26.09	\$40.21
Crew B-21	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (out)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.91	\$38.94
1 Skilled Worker	27.75	222.00	43.55	348.40		
1 Laborer	21.35	170.80	33.65	269.20		
.5 Equip. Oper. (crane)	29.45	117.80	44.60	178.40		
.5 S.P. Crane, 5 Ton		135.73		149.30	4.85	5.33
28 L.H., Daily Totals		\$833.13		\$1239.70	\$29.76	\$44.27
Crew B-21A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$26.76	\$41.09
1 Laborer	21.35	170.80	33.65	269.20		
1 Plumber	33.15	265.20	50.25	402.00		
1 Plumber Apprentice	26.50	212.00	40.15	321.20		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 S.P. Crane, 12 Ton		391.35		430.50	9.78	10.76
40 L.H., Daily Totals		\$1461.75		\$2074.10	\$36.54	\$51.85
Crew B-22	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (out)	\$23.35	\$186.80	\$36.80	\$294.40	\$25.21	\$39.32
1 Skilled Worker	27.75	222.00	43.55	348.40		
1 Laborer	21.35	170.80	33.65	269.20		
.75 Equip. Oper. (crane)	29.45	176.70	44.60	267.60		
.75 S.P. Crane, 5 Ton		203.59		223.95	6.79	7.46
30 L.H., Daily Totals		\$959.89		\$1403.55	\$32.00	\$46.78
Crew B-22A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (out)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.40	\$38.13
1 Skilled Worker	27.75	222.00	43.55	348.40		
2 Laborers	21.35	341.60	33.65	538.40		
.75 Equipment Oper. (crane)	29.45	176.70	44.60	267.60		
.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		\$1177.04		\$1723.75	\$30.98	\$45.37
Crew B-22B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Skilled Worker	\$27.75	\$222.00	\$43.55	\$348.40	\$24.55	\$38.60
1 Laborer	21.35	170.80	33.65	269.20		
1 Electro Fusion Machine		.45		.50	.03	.03
16 L.H., Daily Totals		\$393.25		\$618.10	\$24.58	\$38.63
Crew B-23	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$21.75	\$34.28
4 Laborers	21.35	683.20	33.65	1076.80		
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		\$2825.45		\$3522.20	\$70.64	\$88.05
Crew B-23A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.48	\$38.00
1 Laborers	21.35	170.80	33.65	269.20		
1 Equip. Operator, medium	28.75	230.00	43.55	348.40		
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		\$2492.55		\$3007.45	\$103.85	\$125.31

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-23B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.48	\$38.00
1 Laborers	21.35	170.80	33.65	269.20		
1 Equip. Operator, medium	28.75	230.00	43.55	348.40		
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		\$2652.00		\$3182.85	\$110.50	\$132.62
Crew B-24	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Cement Finisher	\$25.05	\$200.40	\$37.35	\$298.80	\$24.25	\$37.52
1 Laborer	21.35	170.80	33.65	269.20		
1 Carpenter	26.35	210.80	41.55	332.40		
24 L.H., Daily Totals		\$582.00		\$900.40	\$24.25	\$37.52
Crew B-25	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$23.55	\$36.64
7 Laborers	21.35	1195.60	33.65	1884.40		
3 Equip. Oper. (med.)	28.75	690.00	43.55	1045.20		
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		\$3860.70		\$5191.10	\$43.87	\$58.99
Crew B-25B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$23.98	\$37.21
7 Laborers	21.35	1195.60	33.65	1884.40		
4 Equip. Oper. (medium)	28.75	920.00	43.55	1393.60		
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		\$4335.80		\$5809.10	\$45.16	\$60.51
Crew B-25C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$24.15	\$37.48
3 Laborers	21.35	512.40	33.65	807.60		
2 Equip. Oper. (medium)	28.75	460.00	43.55	696.80		
1 Asphalt Paver, 130 H.P.		1299.00		1428.90		
1 Rollers, Steel Wheel		245.10		269.60	32.17	35.39
48 L.H., Daily Totals		\$2703.30		\$3497.30	\$56.32	\$72.87
Crew B-26	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.03	\$37.63
6 Laborers	21.35	1024.80	33.65	1615.20		
2 Equip. Oper. (med.)	28.75	460.00	43.55	696.80		
1 Rodman (reinf.)	30.30	242.40	50.75	406.00		
1 Cement Finisher	25.05	200.40	37.35	298.80		
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		\$4010.95		\$5397.40	\$45.58	\$61.34
Crew B-27	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$21.85	\$34.44
3 Laborers	21.35	512.40	33.65	807.60		
1 Berm Machine		70.30		77.35	2.20	2.42
32 L.H., Daily Totals		\$769.50		\$1179.35	\$24.05	\$36.86
Crew B-28	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$26.35	\$421.60	\$41.55	\$664.80	\$24.68	\$38.92
1 Laborer	21.35	170.80	33.65	269.20		
24 L.H., Daily Totals		\$592.40		\$934.00	\$24.68	\$38.92

Crew B-29	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$23.51	\$36.56
4 Laborers	21.35	683.20	33.65	1076.80		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Gradall, 3 Ton, 1/2 C.Y.		636.75		700.40	11.37	12.51
56 L.H., Daily Totals		\$1953.15		\$2747.60	\$34.88	\$49.07
Crew B-30	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.02	\$39.52
2 Truck Drivers (heavy)	24.65	394.40	37.50	600.00		
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		\$2221.60		\$2705.30	\$92.57	\$112.73
Crew B-31	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.75	\$35.86
3 Laborers	21.35	512.40	33.65	807.60		
1 Carpenter	26.35	210.80	41.55	332.40		
1 Air Compr., 250 C.F.M.		124.90		137.40		
1 Sheetting 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		\$1062.50		\$1602.15	\$26.56	\$40.05
Crew B-32	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$26.90	\$41.08
3 Equip. Oper. (med.)	28.75	690.00	43.55	1045.20		
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		\$2520.40		\$3139.95	\$78.76	\$98.13
Crew B-32A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$26.28	\$40.25
2 Equip. Oper. (medium)	28.75	460.00	43.55	696.80		
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		\$1628.10		\$2063.05	\$67.83	\$85.96
Crew B-32B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$26.28	\$40.25
2 Equip. Oper. (medium)	28.75	460.00	43.55	696.80		
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		\$1891.50		\$2352.80	\$78.81	\$98.03
Crew B-32C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$25.38	\$39.13
2 Laborers	21.35	341.60	33.65	538.40		
3 Equip. Oper. (medium)	28.75	690.00	43.55	1045.20		
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		\$2878.00		\$3703.55	\$59.96	\$77.16
Crew B-33	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.64	\$40.72
.5 Laborer	21.35	85.40	33.65	134.60		
.25 Equip. Oper. (med.)	28.75	57.50	43.55	87.10		
14 L.H., Daily Totals		\$372.90		\$570.10	\$26.64	\$40.72

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-33A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.64	\$40.72
.5 Laborer	21.35	85.40	33.65	134.60		
.25 Equip. Oper. (med.)	28.75	57.50	43.55	87.10		
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	106.52	117.17
14 L.H., Daily Totals		\$1864.15		\$2210.45	\$133.16	\$157.89
Crew B-33B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.64	\$40.72
.5 Laborer	21.35	85.40	33.65	134.60		
.25 Equip. Oper. (med.)	28.75	57.50	43.55	87.10		
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	115.44	126.99
14 L.H., Daily Totals		\$1989.10		\$2347.90	\$142.08	\$167.71
Crew B-33C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.64	\$40.72
.5 Laborer	21.35	85.40	33.65	134.60		
.25 Equip. Oper. (med.)	28.75	57.50	43.55	87.10		
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	115.44	126.99
14 L.H., Daily Totals		\$1989.10		\$2347.90	\$142.08	\$167.71
Crew B-33D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.64	\$40.72
.5 Laborer	21.35	85.40	33.65	134.60		
.25 Equip. Oper. (med.)	28.75	57.50	43.55	87.10		
1 S.P. Scraper, 14 C.Y.		1617.00		1778.70		
.25 Dozer, 300 H.P.		282.75		311.00	135.70	149.27
14 L.H., Daily Totals		\$2272.65		\$2659.80	\$162.34	\$189.99
Crew B-33E	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.64	\$40.72
.5 Laborer	21.35	85.40	33.65	134.60		
.25 Equip. Oper. (med.)	28.75	57.50	43.55	87.10		
1 S.P. Scraper, 24 C.Y.		1912.00		2103.20		
.25 Dozer, 300 H.P.		282.75		311.00	156.77	172.44
14 L.H., Daily Totals		\$2567.65		\$2984.30	\$183.41	\$213.16
Crew B-33F	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.64	\$40.72
.5 Laborer	21.35	85.40	33.65	134.60		
.25 Equip. Oper. (med.)	28.75	57.50	43.55	87.10		
1 Elev. Scraper, 11 C.Y.		688.55		757.40		
.25 Dozer, 300 H.P.		282.75		311.00	69.38	76.32
14 L.H., Daily Totals		\$1344.20		\$1638.50	\$96.02	\$117.04
Crew B-33G	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.64	\$40.72
.5 Laborer	21.35	85.40	33.65	134.60		
.25 Equip. Oper. (med.)	28.75	57.50	43.55	87.10		
1 Elev. Scraper, 20 C.Y.		984.55		1083.00		
.25 Dozer, 300 H.P.		282.75		311.00	90.52	99.57
14 L.H., Daily Totals		\$1640.20		\$1964.10	\$117.16	\$140.29

Crew B-33H	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.25 Laborer	\$21.35	\$42.70	\$33.65	\$67.30	\$27.47	\$41.84
1 Equipment Operator (med.)	28.75	230.00	43.55	348.40		
.2 Equipment Operator (med.)	28.75	46.00	43.55	69.68		
1 Scraper, 32-44 C.Y.		2328.00		2560.80		
.2 Dozer, 298 kw		276.00		303.60	224.48	246.93
11 L.H., Daily Totals		\$2922.70		\$3349.78	\$251.95	\$288.77
Crew B-33J	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equipment Operator (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$28.75	\$43.55
1 Scraper 17 C.Y.		1617.00		1778.70	202.13	222.34
8 L.H., Daily Totals		\$1847.00		\$2127.10	\$230.88	\$265.89
Crew B-34A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$24.65	\$197.20	\$37.50	\$300.00	\$24.65	\$37.50
1 Dump Truck, 12 Ton		364.30		400.75	45.54	50.09
8 L.H., Daily Totals		\$561.50		\$700.75	\$70.19	\$87.59
Crew B-34B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$24.65	\$197.20	\$37.50	\$300.00	\$24.65	\$37.50
1 Dump Truck, 16 Ton		442.25		486.50	55.28	60.81
8 L.H., Daily Totals		\$639.45		\$786.50	\$79.93	\$98.31
Crew B-34C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$24.65	\$197.20	\$37.50	\$300.00	\$24.65	\$37.50
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		\$756.10		\$914.80	\$94.51	\$114.35
Crew B-34D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$24.65	\$197.20	\$37.50	\$300.00	\$24.65	\$37.50
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		\$758.60		\$917.55	\$94.83	\$114.69
Crew B-34E	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$24.65	\$197.20	\$37.50	\$300.00	\$24.65	\$37.50
1 Truck, Off Hwy., 25 Ton		699.00		768.90	87.38	96.11
8 L.H., Daily Totals		\$896.20		\$1068.90	\$112.03	\$133.61
Crew B-34F	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$24.65	\$197.20	\$37.50	\$300.00	\$24.65	\$37.50
1 Truck, Off Hwy., 22 C.Y.		1038.00		1141.80	129.75	142.73
8 L.H., Daily Totals		\$1235.20		\$1441.80	\$154.40	\$180.23
Crew B-34G	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$24.65	\$197.20	\$37.50	\$300.00	\$24.65	\$37.50
1 Truck, Off Hwy., 34 C.Y.		1400.00		1540.00	175.00	192.50
8 L.H., Daily Totals		\$1597.20		\$1840.00	\$199.65	\$230.00
Crew B-34H	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$24.65	\$197.20	\$37.50	\$300.00	\$24.65	\$37.50
1 Truck, Off Hwy., 42 C.Y.		1598.00		1757.80	199.75	219.73
8 L.H., Daily Totals		\$1795.20		\$2057.80	\$224.40	\$257.23
Crew B-34J	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$24.65	\$197.20	\$37.50	\$300.00	\$24.65	\$37.50
1 Truck, Off Hwy., 60 C.Y.		2238.00		2461.80	279.75	307.73
8 L.H., Daily Totals		\$2435.20		\$2761.80	\$304.40	\$345.23

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-34K	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$24.65	\$197.20	\$37.50	\$300.00	\$24.65	\$37.50
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		\$1111.15		\$1305.35	\$138.89	\$163.17
Crew B-35	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer Foreman (out)	\$23.35	\$186.80	\$36.80	\$294.40	\$26.90	\$41.46
1 Skilled Worker	27.75	222.00	43.55	348.40		
1 Welder (plumber)	33.15	265.20	50.25	402.00		
1 Laborer	21.35	170.80	33.65	269.20		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Electric Welding Mach.		49.70		54.65		
1 Hyd. Excavator, .75 C.Y.		449.10		494.00	10.39	11.43
48 L.H., Daily Totals		\$1790.00		\$2538.65	\$37.29	\$52.89
Crew B-35A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer Foreman (out)	\$23.35	\$186.80	\$36.80	\$294.40	\$26.11	\$40.34
2 Laborers	21.35	341.60	33.65	538.40		
1 Skilled Worker	27.75	222.00	43.55	348.40		
1 Welder (plumber)	33.15	265.20	50.25	402.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
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		\$2473.65		\$3372.05	\$44.18	\$60.21
Crew B-36	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.71	\$38.24
2 Laborers	21.35	341.60	33.65	538.40		
2 Equip. Oper. (med.)	28.75	460.00	43.55	696.80		
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		\$2143.50		\$2800.20	\$53.59	\$70.01
Crew B-36A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$25.86	\$39.76
2 Laborers	21.35	341.60	33.65	538.40		
4 Equip. Oper. (med.)	28.75	920.00	43.55	1393.60		
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		\$2847.70		\$3765.60	\$50.85	\$67.25
Crew B-36B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$25.71	\$39.47
2 Laborers	21.35	341.60	33.65	538.40		
4 Equip. Oper. (medium)	28.75	920.00	43.55	1393.60		
1 Truck Driver, Heavy	24.65	197.20	37.50	300.00		
1 Grader, 30,000 Lbs.		575.55		633.10		
1 F.E. Loader, crt, 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		\$4908.90		\$6116.00	\$76.70	\$95.56

Crew B-37	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.81	\$35.66
4 Laborers	21.35	683.20	33.65	1076.80		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Tandem Roller, 5 Ton		152.85		168.15	3.18	3.50
48 L.H., Daily Totals		\$1247.65		\$1879.75	\$25.99	\$39.16
Crew B-38	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.58	\$38.04
2 Laborers	21.35	341.60	33.65	538.40		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Equip. Oper. (medium)	28.75	230.00	43.55	348.40		
1 Backhoe Loader, 48 H.P.		218.80		240.70		
1 Demol. Hammer, (1200 l		180.15		198.15		
1 F.E. Loader (170 H.P.)		576.90		634.60		
1 Pavt. Rem. Bucket		44.45		48.90	25.51	28.06
40 L.H., Daily Totals		\$2003.50		\$2643.95	\$50.09	\$66.10
Crew B-39	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.81	\$35.66
4 Laborers	21.35	683.20	33.65	1076.80		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
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	3.76	4.13
48 L.H., Daily Totals		\$1275.10		\$1909.95	\$26.57	\$39.79
Crew B-40	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Pile Driver Foreman	\$29.30	\$234.40	\$49.15	\$393.20	\$27.97	\$45.18
4 Pile Drivers	27.30	873.60	45.80	1465.60		
2 Equip. Oper. (crane)	29.45	471.20	44.60	713.60		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Crane, 40 Ton		704.30		774.75		
1 Vibratory Hammer & Gen.		1219.00		1340.90	30.05	33.06
64 L.H., Daily Totals		\$3713.30		\$5007.25	\$58.02	\$78.24
Crew B-41	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.31	\$35.00
4 Laborers	21.35	683.20	33.65	1076.80		
.25 Equip. Oper. (crane)	29.45	58.90	44.60	89.20		
.25 Equip. Oper. Oiler	26.35	52.70	39.90	79.80		
.25 Crawler Crane, 40 Ton		176.07		193.70	4.00	4.40
44 L.H., Daily Totals		\$1157.67		\$1733.90	\$26.31	\$39.40
Crew B-42	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.36	\$38.83
4 Laborers	21.35	683.20	33.65	1076.80		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Welder	30.30	242.40	54.75	438.00		
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	17.54	19.29
64 L.H., Daily Totals		\$2681.20		\$3719.85	\$41.90	\$58.12
Crew B-43	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$23.87	\$37.04
3 Laborers	21.35	512.40	33.65	807.60		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Drill Rig & Augers		1776.00		1953.60	37.00	40.70
48 L.H., Daily Totals		\$2921.60		\$3731.60	\$60.87	\$77.74

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-44	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Pile Driver Foreman	\$29.30	\$234.40	\$49.15	\$393.20	\$27.34	\$44.40
4 Pile Drivers	27.30	873.60	45.80	1465.60		
2 Equip. Oper. (crane)	29.45	471.20	44.60	713.60		
1 Laborer	21.35	170.80	33.65	269.20		
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		\$2533.05		\$3703.00	\$39.58	\$57.86
Crew B-45	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$26.70	\$40.53
1 Truck Driver (heavy)	24.65	197.20	37.50	300.00		
1 Dist. Tank Truck, 3K Gal.		364.95		401.45		
1 Tractor, 4 x 2, 250 H.P.		380.00		418.00	46.56	51.22
16 L.H., Daily Totals		\$1172.15		\$1467.85	\$73.26	\$91.75
Crew B-46	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Pile Driver Foreman	\$29.30	\$234.40	\$49.15	\$393.20	\$24.66	\$40.28
2 Pile Drivers	27.30	436.80	45.80	732.80		
3 Laborers	21.35	512.40	33.65	807.60		
1 Chain Saw, 36" Long		53.05		58.35	1.11	1.22
48 L.H., Daily Totals		\$1236.65		\$1991.95	\$25.77	\$41.50
Crew B-47	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Blast Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$24.27	\$37.67
1 Driller	21.35	170.80	33.65	269.20		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
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	25.76	28.33
24 L.H., Daily Totals		\$1200.55		\$1583.95	\$50.03	\$66.00
Crew B-47A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Drilling Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$26.38	\$40.43
1 Equip. Oper. (heavy)	29.45	235.60	44.60	356.80		
1 Oiler	26.35	210.80	39.90	319.20		
1 Quarry Drill		482.05		530.25	20.09	22.09
24 L.H., Daily Totals		\$1115.25		\$1500.65	\$46.47	\$62.52
Crew B-47C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$24.73	\$38.10
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
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		\$1029.40		\$1306.75	\$64.34	\$81.67
Crew B-47E	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer Forman	\$23.35	\$186.80	\$36.80	\$294.40	\$21.85	\$34.44
3 Laborers	21.35	512.40	33.65	807.60		
1 Truck, Flatbed, 3 ton		179.45		197.40	5.61	6.17
32 L.H., Daily Totals		\$878.65		\$1299.40	\$27.46	\$40.61

Crew B-48	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.47	\$37.83
3 Laborers	21.35	512.40	33.65	807.60		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
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	35.29	38.82
56 L.H., Daily Totals		\$3346.85		\$4292.50	\$59.76	\$76.65
Crew B-49	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$25.61	\$40.08
3 Laborers	21.35	512.40	33.65	807.60		
2 Equip. Oper. (crane)	29.45	471.20	44.60	713.60		
2 Equip. Oper. Oilers	26.35	421.60	39.90	638.40		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
2 Pile Drivers	27.30	436.80	45.80	732.80		
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	28.70	31.57
88 L.H., Daily Totals		\$4779.40		\$6305.60	\$54.31	\$71.65
Crew B-50	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Pile Driver Foremen	\$29.30	\$468.80	\$49.15	\$786.40	\$26.55	\$43.08
6 Pile Drivers	27.30	1310.40	45.80	2198.40		
2 Equip. Oper. (crane)	29.45	471.20	44.60	713.60		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
3 Laborers	21.35	512.40	33.65	807.60		
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	13.31	14.64
112 L.H., Daily Totals		\$4464.30		\$6465.00	\$39.86	\$57.72
Crew B-51	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.15	\$34.69
4 Laborers	21.35	683.20	33.65	1076.80		
1 Truck Driver (light)	24.15	193.20	36.75	294.00		
1 Light Truck, 1.5 Ton		171.95		189.15	3.58	3.94
48 L.H., Daily Totals		\$1235.15		\$1854.35	\$25.73	\$38.63
Crew B-52	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman	\$28.35	\$226.80	\$44.70	\$357.60	\$24.76	\$38.81
1 Carpenter	26.35	210.80	41.55	332.40		
3 Laborers	21.35	512.40	33.65	807.60		
1 Cement Finisher	25.05	200.40	37.35	298.80		
.5 Rodman (reinf.)	30.30	121.20	50.75	203.00		
.5 Equip. Oper. (med.)	28.75	115.00	43.55	174.20		
.5 F.E. Ldr., T.M., 2.5 C.Y.		432.55		475.80	7.72	8.50
56 L.H., Daily Totals		\$1819.15		\$2649.40	\$32.48	\$47.31
Crew B-53	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (light)	\$28.10	\$224.80	\$42.55	\$340.40	\$28.10	\$42.55
1 Trencher, Chain, 12 H.P.		97.30		107.05	12.16	13.38
8 L.H., Daily Totals		\$322.10		\$447.45	\$40.26	\$55.93

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-54	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (light)	\$28.10	\$224.80	\$42.55	\$340.40	\$28.10	\$42.55
1 Trencher, Chain, 40 H.P.		210.90		232.00	26.36	29.00
8 L.H., Daily Totals		\$435.70		\$572.40	\$54.46	\$71.55
Crew B-54A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.17 Labor Foreman	\$23.35	\$31.76	\$36.80	\$50.05	\$27.97	\$42.57
1 Equipment Operator (med.)	28.75	230.00	43.55	348.40		
1 Wheel Trencher, 67HP		399.35		439.30	42.67	46.93
9.36 L.H., Daily Totals		\$661.11		\$837.75	\$70.64	\$89.50
Crew B-54B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.25 Labor Foreman	\$23.35	\$46.70	\$36.80	\$73.60	\$27.67	\$42.20
1 Equipment Operator (med.)	28.75	230.00	43.55	348.40		
1 Wheel Trencher, 150HP		565.20		621.70	56.52	62.17
10 L.H., Daily Totals		\$841.90		\$1043.70	\$84.19	\$104.37
Crew B-55	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$21.35	\$341.60	\$33.65	\$538.40	\$22.28	\$34.68
1 Truck Driver (light)	24.15	193.20	36.75	294.00		
1 Auger, 4" to 36" Dia		459.30		505.25		
1 Flatbed 3 Ton Truck		179.45		197.40	26.61	29.28
24 L.H., Daily Totals		\$1173.55		\$1535.05	\$48.89	\$63.96
Crew B-56	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$24.73	\$38.10
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
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		\$996.90		\$1271.05	\$62.31	\$79.44
Crew B-57	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.99	\$38.53
2 Laborers	21.35	341.60	33.65	538.40		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
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	23.85	26.24
48 L.H., Daily Totals		\$2344.45		\$3108.55	\$48.84	\$64.77
Crew B-58	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$21.35	\$341.60	\$33.65	\$538.40	\$23.60	\$36.62
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
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		\$4295.20		\$4980.50	\$178.97	\$207.52
Crew B-59	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Truck Driver (heavy)	\$24.65	\$197.20	\$37.50	\$300.00	\$24.65	\$37.50
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		\$726.35		\$882.05	\$90.79	\$110.26

Crew B-59A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$21.35	\$341.60	\$33.65	\$538.40	\$22.45	\$34.93
1 Truck Driver (heavy)	24.65	197.20	37.50	300.00		
1 Water tank, 5K w/pum		205.10		225.60		
1 Truck, 30 Ton		324.05		356.45	22.05	24.25
24 L.H., Daily Totals		\$1067.95		\$1420.45	\$44.50	\$59.18
Crew B-60	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$25.44	\$39.10
2 Laborers	21.35	341.60	33.65	538.40		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
2 Equip. Oper. (light)	28.10	449.60	42.55	680.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
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	17.89	19.68
56 L.H., Daily Totals		\$2426.25		\$3291.70	\$43.33	\$58.78
Crew B-61	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$23.10	\$36.06
3 Laborers	21.35	512.40	33.65	807.60		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
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		\$1280.85		\$1834.95	\$32.02	\$45.87
Crew B-62	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Laborers	\$21.35	\$341.60	\$33.65	\$538.40	\$23.60	\$36.62
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Loader, Skid Steer		111.25		122.40	4.64	5.10
24 L.H., Daily Totals		\$677.65		\$1001.20	\$28.24	\$41.72
Crew B-63	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
4 Laborers	\$21.35	\$683.20	\$33.65	\$1076.80	\$22.70	\$35.43
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Loader, Skid Steer		111.25		122.40	2.78	3.06
40 L.H., Daily Totals		\$1019.25		\$1539.60	\$25.48	\$38.49
Crew B-64	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$22.75	\$35.20
1 Truck Driver (light)	24.15	193.20	36.75	294.00		
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		\$650.90		\$878.80	\$40.68	\$54.92
Crew B-65	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$22.75	\$35.20
1 Truck Driver (light)	24.15	193.20	36.75	294.00		
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		\$818.30		\$1062.95	\$51.14	\$66.43
Crew B-66	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (light)	\$28.10	\$224.80	\$42.55	\$340.40	\$28.10	\$42.55
1 Backhoe Ldr. w/Attchmt.		200.50		220.55	25.06	27.57
8 L.H., Daily Totals		\$425.30		\$560.95	\$53.16	\$70.12

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-67	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Millwright	\$28.20	\$225.60	\$42.10	\$336.80	\$28.15	\$42.33
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Forklift		171.10		188.20	10.69	11.76
16 L.H., Daily Totals		\$621.50		\$865.40	\$38.84	\$54.09
Crew B-68	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Millwrights	\$28.20	\$451.20	\$42.10	\$673.60	\$28.17	\$42.25
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Forklift		171.10		188.20	7.13	7.84
24 L.H., Daily Totals		\$847.10		\$1202.20	\$35.30	\$50.09
Crew B-69	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$23.87	\$37.04
3 Laborers	21.35	512.40	33.65	807.60		
1 Equip Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip Oper. Oiler	26.35	210.80	39.90	319.20		
1 Truck Crane, 80 Ton		1098.00		1207.80	22.88	25.16
48 L.H., Daily Totals		\$2243.60		\$2985.80	\$46.75	\$62.20
Crew B-69A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$23.53	\$36.44
3 Laborers	21.35	512.40	33.65	807.60		
1 Equip. Oper. (medium)	28.75	230.00	43.55	348.40		
1 Concrete Finisher	25.05	200.40	37.35	298.80		
1 Curb Paver		453.90		499.30	9.46	10.40
48 L.H., Daily Totals		\$1583.50		\$2248.50	\$32.99	\$46.84
Crew B-69B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$23.53	\$36.44
3 Laborers	21.35	512.40	33.65	807.60		
1 Equip. Oper. (medium)	28.75	230.00	43.55	348.40		
1 Cement Finisher	25.05	200.40	37.35	298.80		
1 Curb/Gutter Paver		905.75		996.35	18.87	20.76
48 L.H., Daily Totals		\$2035.35		\$2745.55	\$42.40	\$57.20
Crew B-70	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.81	\$38.34
3 Laborers	21.35	512.40	33.65	807.60		
3 Equip. Oper. (med.)	28.75	690.00	43.55	1045.20		
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		\$2542.05		\$3415.35	\$45.40	\$60.99
Crew B-71	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.81	\$38.34
3 Laborers	21.35	512.40	33.65	807.60		
3 Equip. Oper. (med.)	28.75	690.00	43.55	1045.20		
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		\$5334.60		\$6487.15	\$95.26	\$115.84

Crew B-72	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$25.30	\$38.99
3 Laborers	21.35	512.40	33.65	807.60		
4 Equip. Oper. (med.)	28.75	920.00	43.55	1393.60		
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		\$8825.25		\$10422.25	\$137.89	\$162.84
Crew B-73	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$26.23	\$40.23
2 Laborers	21.35	341.60	33.65	538.40		
5 Equip. Oper. (med.)	28.75	1150.00	43.55	1742.00		
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		\$5092.82		\$6330.65	\$79.58	\$98.92
Crew B-74	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$26.13	\$39.96
1 Laborer	21.35	170.80	33.65	269.20		
4 Equip. Oper. (med.)	28.75	920.00	43.55	1393.60		
2 Truck Drivers (heavy)	24.65	394.40	37.50	600.00		
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		\$4934.20		\$6145.65	\$77.10	\$96.03
Crew B-75	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$26.34	\$40.31
1 Laborer	21.35	170.80	33.65	269.20		
4 Equip. Oper. (med.)	28.75	920.00	43.55	1393.60		
1 Truck Driver (heavy)	24.65	197.20	37.50	300.00		
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		\$4294.05		\$5358.40	\$76.68	\$95.69
Crew B-76	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Dock Builder Foreman	\$29.30	\$234.40	\$49.15	\$393.20	\$27.89	\$45.25
5 Dock Builders	27.30	1092.00	45.80	1832.00		
2 Equip. Oper. (crane)	29.45	471.20	44.60	713.60		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
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		
2-50 Ft. Air Hoses, 3" Dia.		33.70		37.05	28.20	31.02
72 L.H., Daily Totals		\$4039.10		\$5491.75	\$56.09	\$76.27

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-77	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$22.31	\$34.90
3 Laborers	21.35	512.40	33.65	807.60		
1 Truck Driver (light)	24.15	193.20	36.75	294.00		
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		\$1293.10		\$1836.80	\$32.33	\$45.92
Crew B-78	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$22.15	\$34.69
4 Laborers	21.35	683.20	33.65	1076.80		
1 Truck Driver (light)	24.15	193.20	36.75	294.00		
1 Paint Striper, 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	10.67	11.74
48 L.H., Daily Totals		\$1575.35		\$2228.60	\$32.82	\$46.43
Crew B-79	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$22.31	\$34.90
3 Laborers	21.35	512.40	33.65	807.60		
1 Truck Driver (light)	24.15	193.20	36.75	294.00		
1 Thermo. Striper, 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	17.03	18.73
40 L.H., Daily Totals		\$1573.45		\$2145.15	\$39.34	\$53.63
Crew B-80	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$24.24	\$37.44
1 Laborer	21.35	170.80	33.65	269.20		
1 Truck Driver (light)	24.15	193.20	36.75	294.00		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Flatbed Truck, 3 Ton		179.45		197.40		
1 Fence Post Auger, TM		360.00		396.00	16.86	18.54
32 L.H., Daily Totals		\$1315.05		\$1791.40	\$41.10	\$55.98
Crew B-80A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Laborer	\$21.35	\$512.40	\$33.65	\$807.60	\$21.35	\$33.65
1 Flatbed Truck, 3 Ton		179.45		197.40	7.48	8.22
24 L.H., Daily Totals		\$691.85		\$1005.00	\$28.83	\$41.87
Crew B-80B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Laborer	\$21.35	\$512.40	\$33.65	\$807.60	\$23.04	\$35.88
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Crane, flatbed mnt		282.80		311.10	8.84	9.72
32 L.H., Daily Totals		\$1020.00		\$1459.10	\$31.88	\$45.60
Crew B-81	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$24.92	\$38.23
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
1 Truck Driver (heavy)	24.65	197.20	37.50	300.00		
1 Hydromulcher, T.M.		281.75		309.95		
1 Tractor Truck, 4x2		324.05		356.45	25.24	27.77
24 L.H., Daily Totals		\$1203.80		\$1584.00	\$50.16	\$66.00
Crew B-82	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$24.73	\$38.10
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Horiz. Borer, 6 H.P.		47.80		52.60	2.99	3.29
16 L.H., Daily Totals		\$443.40		\$662.20	\$27.72	\$41.39

Crew B-83	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Tugboat Captain	\$28.75	\$230.00	\$43.55	\$348.40	\$25.05	\$38.60
1 Tugboat Hand	21.35	170.80	33.65	269.20		
1 Tugboat, 250 H.P.		438.50		482.35	27.41	30.15
16 L.H., Daily Totals		\$839.30		\$1099.95	\$52.46	\$68.75
Crew B-84	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$28.75	\$43.55
1 Rotary Mower/Tractor		208.50		229.35	26.06	28.67
8 L.H., Daily Totals		\$438.50		\$577.75	\$54.81	\$72.22
Crew B-85	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Laborers	\$21.35	\$512.40	\$33.65	\$807.60	\$23.49	\$36.40
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
1 Truck Driver (heavy)	24.65	197.20	37.50	300.00		
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		\$1747.35		\$2344.50	\$43.68	\$58.61
Crew B-86	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$28.75	\$43.55
1 Stump Chipper, S.P.		162.40		178.65	20.30	22.33
8 L.H., Daily Totals		\$392.40		\$527.05	\$49.05	\$65.88
Crew B-86A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (medium)	\$28.75	\$230.00	\$43.55	\$348.40	\$28.75	\$43.55
1 Grader, 30,000 Lbs.		575.55		633.10	71.94	79.14
8 L.H., Daily Totals		\$805.55		\$981.50	\$100.69	\$122.69
Crew B-86B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (medium)	\$28.75	\$230.00	\$43.55	\$348.40	\$28.75	\$43.55
1 Dozer, 200 H.P.		838.95		922.85	104.87	115.36
8 L.H., Daily Totals		\$1068.95		\$1271.25	\$133.62	\$158.91
Crew B-87	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$27.27	\$41.57
4 Equip. Oper. (med.)	28.75	920.00	43.55	1393.60		
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		\$4273.40		\$5163.65	\$106.84	\$129.09
Crew B-88	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$27.69	\$42.14
6 Equip. Oper. (med.)	28.75	1380.00	43.55	2090.40		
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		\$5477.70		\$6679.20	\$97.81	\$119.28
Crew B-89	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (light)	\$28.10	\$224.80	\$42.55	\$340.40	\$26.13	\$39.65
1 Truck Driver (light)	24.15	193.20	36.75	294.00		
1 Truck, Stake Body, 3 Ton		179.45		197.40		
1 Concrete Saw		110.65		121.70		
1 Water Tank, 65 Gal.		12.00		13.20	18.88	20.77
16 L.H., Daily Totals		\$720.10		\$966.70	\$45.01	\$60.42

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew B-89A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Skilled Worker	\$27.75	\$222.00	\$43.55	\$348.40	\$24.55	\$38.60
1 Laborer	21.35	170.80	33.65	269.20		
1 Core Drill (large)		61.35		67.50	3.83	4.22
16 L.H., Daily Totals		\$454.15		\$685.10	\$28.38	\$42.82
Crew B-89B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (light)	\$28.10	\$224.80	\$42.55	\$340.40	\$26.13	\$39.65
1 Truck Driver, Light	24.15	193.20	36.75	294.00		
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		\$946.20		\$1215.40	\$59.14	\$75.96
Crew B-90	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.11	\$37.23
3 Laborers	21.35	512.40	33.65	807.60		
2 Equip. Oper. (light)	28.10	449.60	42.55	680.80		
2 Truck Drivers (heavy)	24.65	394.40	37.50	600.00		
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		\$2876.65		\$3849.60	\$44.95	\$60.15
Crew B-90A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$25.86	\$39.76
2 Laborers	21.35	341.60	33.65	538.40		
4 Equip. Oper. (medium)	28.75	920.00	43.55	1393.60		
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		\$3088.80		\$4030.80	\$55.15	\$71.98
Crew B-90B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$25.38	\$39.13
2 Laborers	21.35	341.60	33.65	538.40		
3 Equip. Oper. (medium)	28.75	690.00	43.55	1045.20		
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		\$2700.85		\$3508.65	\$56.26	\$73.10
Crew B-91	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$25.71	\$39.47
2 Laborers	21.35	341.60	33.65	538.40		
4 Equip. Oper. (med.)	28.75	920.00	43.55	1393.60		
1 Truck Driver (heavy)	24.65	197.20	37.50	300.00		
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		\$3135.35		\$4165.10	\$48.99	\$65.08
Crew B-92	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$21.85	\$34.44
3 Laborers	21.35	512.40	33.65	807.60		
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		\$1054.80		\$1493.20	\$32.96	\$46.66

Crew B-93	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (med.)	\$28.75	\$230.00	\$43.55	\$348.40	\$28.75	\$43.55
1 Feller Buncher, 50 H.P.		389.90		428.90	48.74	53.61
8 L.H., Daily Totals		\$619.90		\$777.30	\$77.49	\$97.16
Crew B-94A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$21.35	\$33.65
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		\$215.25		\$318.10	\$26.91	\$39.76
Crew B-94B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$21.35	\$33.65
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		\$264.70		\$372.50	\$33.09	\$46.56
Crew B-94C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$21.35	\$33.65
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		\$229.00		\$333.25	\$28.63	\$41.65
Crew B-94D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$21.35	\$33.65
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		\$390.75		\$511.15	\$48.84	\$63.89
Crew B-95	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$25.40	\$39.13
1 Laborer	21.35	170.80	33.65	269.20		
16 L.H., Daily Totals		\$406.40		\$626.00	\$25.40	\$39.13
Crew B-95A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$25.40	\$39.13
1 Laborer	21.35	170.80	33.65	269.20		
1 Hyd. Excavator, 5/8 C.Y.		394.25		433.70	24.64	27.10
16 L.H., Daily Totals		\$800.65		\$1059.70	\$50.04	\$66.23
Crew B-95B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$25.40	\$39.13
1 Laborer	21.35	170.80	33.65	269.20		
1 Hyd. Excavator, 1.5 C.Y.		712.70		783.95	44.54	49.00
16 L.H., Daily Totals		\$1119.10		\$1409.95	\$69.94	\$88.13
Crew B-95C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Equip. Oper. (crane)	\$29.45	\$235.60	\$44.60	\$356.80	\$25.40	\$39.13
1 Laborer	21.35	170.80	33.65	269.20		
1 Hyd. Excavator, 2.5 C.Y.		1695.00		1864.50	105.94	116.53
16 L.H., Daily Totals		\$2101.40		\$2490.50	\$131.34	\$155.66
Crew C-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Carpenters	\$26.35	\$632.40	\$41.55	\$997.20	\$25.10	\$39.58
1 Laborer	21.35	170.80	33.65	269.20		
32 L.H., Daily Totals		\$803.20		\$1266.40	\$25.10	\$39.58

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew C-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$28.35	\$226.80	\$44.70	\$357.60	\$25.85	\$40.76
4 Carpenters	26.35	843.20	41.55	1329.60		
1 Laborer	21.35	170.80	33.65	269.20		
48 L.H., Daily Totals		\$1240.80		\$1956.40	\$25.85	\$40.76
Crew C-2A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman	\$28.35	\$226.80	\$44.70	\$357.60	\$25.63	\$40.06
3 Carpenters	26.35	632.40	41.55	997.20		
1 Cement Finisher	25.05	200.40	37.35	298.80		
1 Laborer	21.35	170.80	33.65	269.20		
48 L.H., Daily Totals		\$1230.40		\$1922.80	\$25.63	\$40.06
Crew C-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Rodman Foreman	\$32.30	\$258.40	\$54.10	\$432.80	\$28.04	\$45.87
4 Rodmen (reinf.)	30.30	969.60	50.75	1624.00		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
2 Laborers	21.35	341.60	33.65	538.40		
3 Stressing Equipment		40.50		44.55		
.5 Grouting Equipment		117.63		129.40	2.47	2.72
64 L.H., Daily Totals		\$1952.53		\$3109.55	\$30.51	\$48.59
Crew C-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Rodman Foreman	\$32.30	\$258.40	\$54.10	\$432.80	\$30.80	\$51.59
3 Rodmen (reinf.)	30.30	727.20	50.75	1218.00		
3 Stressing Equipment		40.50		44.55	1.27	1.39
32 L.H., Daily Totals		\$1026.10		\$1695.35	\$32.07	\$52.98
Crew C-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Rodman Foreman	\$32.30	\$258.40	\$54.10	\$432.80	\$29.90	\$48.80
4 Rodmen (reinf.)	30.30	969.60	50.75	1624.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hyd. Crane, 25 Ton		549.35		604.30	9.81	10.79
56 L.H., Daily Totals		\$2223.75		\$3337.10	\$39.71	\$59.59
Crew C-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.30	\$34.79
4 Laborers	21.35	683.20	33.65	1076.80		
1 Cement Finisher	25.05	200.40	37.35	298.80		
2 Gas Engine Vibrators		74.90		82.40	1.56	1.72
48 L.H., Daily Totals		\$1145.30		\$1752.40	\$23.86	\$36.51
Crew C-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$23.36	\$36.21
5 Laborers	21.35	854.00	33.65	1346.00		
1 Cement Finisher	25.05	200.40	37.35	298.80		
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
1 Equip. Oper. (oiler)	26.35	210.80	39.90	319.20		
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		\$2574.45		\$3588.50	\$35.76	\$49.84
Crew C-7A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.42	\$35.01
5 Laborers	21.35	854.00	33.65	1346.00		
2 Truck Driver (Heavy)	24.65	394.40	37.50	600.00		
2 Conc. Transit Mixers		1822.40		2004.65	28.48	31.32
64 L.H., Daily Totals		\$3257.60		\$4245.05	\$50.90	\$66.33

Crew C-7B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$23.24	\$36.19
5 Laborers	21.35	854.00	33.65	1346.00		
1 Equipment Operator (heavy)	29.45	235.60	44.60	356.80		
1 Equipment Oiler	26.35	210.80	39.90	319.20		
1 Conc. Bucket, 2 C.Y.		32.10		35.30		
1 Truck Crane, 165 Ton		1941.00		2135.10	30.83	33.91
64 L.H., Daily Totals		\$3460.30		\$4486.80	\$54.07	\$70.10
Crew C-7C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$23.45	\$36.52
5 Laborers	21.35	854.00	33.65	1346.00		
2 Equipment Operator (Medium)	28.75	460.00	43.55	696.80		
2 Wheel Loader, 4 C.Y.		1153.80		1269.20	18.03	19.83
64 L.H., Daily Totals		\$2654.60		\$3606.40	\$41.48	\$56.35
Crew C-7D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$22.69	\$35.51
5 Laborers	21.35	854.00	33.65	1346.00		
1 Equipment Operator (med.)	28.75	230.00	43.55	348.40		
1 Concrete Conveyer		180.90		199.00	3.23	3.55
56 L.H., Daily Totals		\$1451.70		\$2187.80	\$25.92	\$39.06
Crew C-8	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$23.75	\$36.57
3 Laborers	21.35	512.40	33.65	807.60		
2 Cement Finishers	25.05	400.80	37.35	597.60		
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
1 Concrete Pump (small)		645.60		710.15	11.53	12.68
56 L.H., Daily Totals		\$1975.60		\$2758.15	\$35.28	\$49.25
Crew C-8A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.92	\$35.41
3 Laborers	21.35	512.40	33.65	807.60		
2 Cement Finishers	25.05	400.80	37.35	597.60		
48 L.H., Daily Totals		\$1100.00		\$1699.60	\$22.92	\$35.41
Crew C-8B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$23.23	\$36.26
3 Laborers	21.35	512.40	33.65	807.60		
1 Equipment Operator	28.75	230.00	43.55	348.40		
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		\$2237.30		\$2889.35	\$55.93	\$72.23
Crew C-8C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Forman	\$23.35	\$186.80	\$36.80	\$294.40	\$23.53	\$36.44
3 Laborers	21.35	512.40	33.65	807.60		
1 Cement Finisher	25.05	200.40	37.35	298.80		
1 Equipment Operator (med.)	28.75	230.00	43.55	348.40		
1 Shotcrete Rig, 12 CY/hr		376.00		413.60	7.83	8.62
48 L.H., Daily Totals		\$1505.60		\$2162.80	\$31.36	\$45.06
Crew C-8D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$24.46	\$37.59
1 Laborers	21.35	170.80	33.65	269.20		
1 Cement Finisher	25.05	200.40	37.35	298.80		
1 Equipment Operator (light)	28.10	224.80	42.55	340.40		
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		\$918.10		\$1351.65	\$28.69	\$42.24

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew C-8E	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$24.46	\$37.59
1 Laborers	21.35	170.80	33.65	269.20		
1 Cement Finisher	25.05	200.40	37.35	298.80		
1 Equipment Operator (light)	28.10	224.80	42.55	340.40		
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		\$1563.70		\$2061.80	\$48.86	\$64.43
Crew C-10	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer	\$21.35	\$170.80	\$33.65	\$269.20	\$23.82	\$36.12
2 Cement Finishers	25.05	400.80	37.35	597.60		
24 L.H., Daily Totals		\$571.60		\$866.80	\$23.82	\$36.12
Crew C-11	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Struc. Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$29.99	\$52.37
6 Struc. Steel Workers	30.30	1454.40	54.75	2628.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Truck Crane, 150 Ton		1553.00		1708.30	21.57	23.73
72 L.H., Daily Totals		\$3712.20		\$5479.10	\$51.56	\$76.10
Crew C-12	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$28.35	\$226.80	\$44.70	\$357.60	\$26.37	\$41.27
3 Carpenters	26.35	632.40	41.55	997.20		
1 Laborer	21.35	170.80	33.65	269.20		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Hyd. Crane, 12 Ton		443.45		487.80	9.24	10.16
48 L.H., Daily Totals		\$1709.05		\$2468.60	\$35.61	\$51.43
Crew C-13	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Struc. Steel Worker	\$30.30	\$242.40	\$54.75	\$438.00	\$28.98	\$50.35
1 Welder	30.30	242.40	54.75	438.00		
1 Carpenter	26.35	210.80	41.55	332.40		
1 Gas Welding Machine		82.35		90.60	3.43	3.77
24 L.H., Daily Totals		\$777.95		\$1299.00	\$32.41	\$54.12
Crew C-14	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$28.35	\$226.80	\$44.70	\$357.60	\$26.26	\$41.63
5 Carpenters	26.35	1054.00	41.55	1662.00		
4 Laborers	21.35	683.20	33.65	1076.80		
4 Rodmen (reinf.)	30.30	969.60	50.75	1624.00		
2 Cement Finishers	25.05	400.80	37.35	597.60		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Crane, 80 Ton, & Tools		1098.00		1207.80	7.63	8.39
144 L.H., Daily Totals		\$4878.80		\$7201.80	\$33.89	\$50.02
Crew C-14A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$28.35	\$226.80	\$44.70	\$357.60	\$26.71	\$42.43
16 Carpenters	26.35	3372.80	41.55	5318.40		
4 Rodmen (reinf.)	30.30	969.60	50.75	1624.00		
2 Laborers	21.35	341.60	33.65	538.40		
1 Cement Finisher	25.05	200.40	37.35	298.80		
1 Equip. Oper. (med)	28.75	230.00	43.55	348.40		
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		\$6024.25		\$9236.95	\$30.13	\$46.19

Crew C-14B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$28.35	\$226.80	\$44.70	\$357.60	\$26.64	\$42.23
16 Carpenters	26.35	3372.80	41.55	5318.40		
4 Rodmen (reinf.)	30.30	969.60	50.75	1624.00		
2 Laborers	21.35	341.60	33.65	538.40		
2 Cement Finishers	25.05	400.80	37.35	597.60		
1 Equip. Oper. (med)	28.75	230.00	43.55	348.40		
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		\$6224.65		\$9535.75	\$29.92	\$45.84
Crew C-14C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$28.35	\$226.80	\$44.70	\$357.60	\$25.54	\$40.53
6 Carpenters	26.35	1264.80	41.55	1994.40		
2 Rodmen (reinf.)	30.30	484.80	50.75	812.00		
4 Laborers	21.35	683.20	33.65	1076.80		
1 Cement Finisher	25.05	200.40	37.35	298.80		
1 Gas Engine Vibrator		37.45		41.20	.33	.37
112 L.H., Daily Totals		\$2897.45		\$4580.80	\$25.87	\$40.90
Crew C-14D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$28.35	\$226.80	\$44.70	\$357.60	\$26.39	\$41.69
18 Carpenters	26.35	3794.40	41.55	5983.20		
2 Rodmen (reinf.)	30.30	484.80	50.75	812.00		
2 Laborers	21.35	341.60	33.65	538.40		
1 Cement Finisher	25.05	200.40	37.35	298.80		
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
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		\$5961.05		\$9089.75	\$29.81	\$45.45
Crew C-14E	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$28.35	\$226.80	\$44.70	\$357.60	\$26.49	\$42.65
2 Carpenters	26.35	421.60	41.55	664.80		
4 Rodmen (reinf.)	30.30	969.60	50.75	1624.00		
3 Laborers	21.35	512.40	33.65	807.60		
1 Cement Finisher	25.05	200.40	37.35	298.80		
1 Gas Engine Vibrator		37.45		41.20	.43	.47
88 L.H., Daily Totals		\$2368.25		\$3794.00	\$26.92	\$43.12
Crew C-14F	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer Foreman (out)	\$23.35	\$186.80	\$36.80	\$294.40	\$24.04	\$36.47
2 Laborers	21.35	341.60	33.65	538.40		
6 Cement Finishers	25.05	1202.40	37.35	1792.80		
1 Gas Engine Vibrator		37.45		41.20	.52	.57
72 L.H., Daily Totals		\$1768.25		\$2666.80	\$24.56	\$37.04
Crew C-14G	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Laborer Foreman	\$23.35	\$186.80	\$36.80	\$294.40	\$23.75	\$36.21
2 Laborers	21.35	341.60	33.65	538.40		
4 Cement Finishers	25.05	801.60	37.35	1195.20		
1 Gas Engine Vibrator		37.45		41.20	.67	.74
56 L.H., Daily Totals		\$1367.45		\$2069.20	\$24.42	\$36.95
Crew C-14H	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$28.35	\$226.80	\$44.70	\$357.60	\$26.29	\$41.59
2 Carpenters	26.35	421.60	41.55	664.80		
1 Rodman (reinf.)	30.30	242.40	50.75	406.00		
1 Laborer	21.35	170.80	33.65	269.20		
1 Cement Finisher	25.05	200.40	37.35	298.80		
1 Gas Engine Vibrator		37.45		41.20	.78	.86
48 L.H., Daily Totals		\$1299.45		\$2037.60	\$27.07	\$42.45

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew C-15	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (out)	\$28.35	\$226.80	\$44.70	\$357.60	\$25.06	\$39.36
2 Carpenters	26.35	421.60	41.55	664.80		
3 Laborers	21.35	512.40	33.65	807.60		
2 Cement Finishers	25.05	400.80	37.35	597.60		
1 Rodman (reinf.)	30.30	242.40	50.75	406.00		
72 L.H., Daily Totals		\$1804.00		\$2833.60	\$25.06	\$39.36
Crew C-16	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$25.21	\$39.72
3 Laborers	21.35	512.40	33.65	807.60		
2 Cement Finishers	25.05	400.80	37.35	597.60		
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
2 Rodmen (reinf.)	30.30	484.80	50.75	812.00		
1 Concrete Pump (small)		645.60		710.15	8.97	9.86
72 L.H., Daily Totals		\$2460.40		\$3570.15	\$34.18	\$49.58
Crew C-17	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$29.75	\$476.00	\$46.70	\$747.20	\$28.15	\$44.18
8 Skilled Workers	27.75	1776.00	43.55	2787.20		
80 L.H., Daily Totals		\$2252.00		\$3534.40	\$28.15	\$44.18
Crew C-17A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$29.75	\$476.00	\$46.70	\$747.20	\$28.17	\$44.19
8 Skilled Workers	27.75	1776.00	43.55	2787.20		
.125 Equip. Oper. (crane)	29.45	29.45	44.60	44.60		
.125 Crane, 80 Ton, & Tools		137.25		151.00	1.69	1.86
81 L.H., Daily Totals		\$2418.70		\$3730.00	\$29.86	\$46.05
Crew C-17B	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$29.75	\$476.00	\$46.70	\$747.20	\$28.18	\$44.19
8 Skilled Workers	27.75	1776.00	43.55	2787.20		
.125 Equip. Oper. (crane)	29.45	58.90	44.60	89.20		
.125 Crane, 80 Ton, & Tools		274.50		301.95		
.125 Walk Behind Power Tools		12.24		13.45	3.50	3.85
82 L.H., Daily Totals		\$2597.64		\$3939.00	\$31.68	\$48.04
Crew C-17C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$29.75	\$476.00	\$46.70	\$747.20	\$28.20	\$44.20
8 Skilled Workers	27.75	1776.00	43.55	2787.20		
.375 Equip. Oper. (crane)	29.45	88.35	44.60	133.80		
.375 Crane, 80 Ton & Tools		411.75		452.95	4.96	5.46
83 L.H., Daily Totals		\$2752.10		\$4121.15	\$33.16	\$49.66
Crew C-17D	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$29.75	\$476.00	\$46.70	\$747.20	\$28.21	\$44.20
8 Skilled Workers	27.75	1776.00	43.55	2787.20		
.5 Equip. Oper. (crane)	29.45	117.80	44.60	178.40		
.5 Crane, 80 Ton & Tools		549.00		603.90	6.54	7.19
84 L.H., Daily Totals		\$2918.80		\$4316.70	\$34.75	\$51.39
Crew C-17E	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$29.75	\$476.00	\$46.70	\$747.20	\$28.15	\$44.18
8 Skilled Workers	27.75	1776.00	43.55	2787.20		
1 Hyd. Jack with Rods		60.50		66.55	.76	.83
80 L.H., Daily Totals		\$2312.50		\$3600.95	\$28.91	\$45.01

Crew C-18	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.125 Labor Foreman (out)	\$23.35	\$23.35	\$36.80	\$36.80	\$21.57	\$34.00
1 Laborer	21.35	170.80	33.65	269.20		
1 Concrete Cart, 10 C.F.		49.90		54.90	5.54	6.10
9 L.H., Daily Totals		\$244.05		\$360.90	\$27.11	\$40.10
Crew C-19	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.125 Labor Foreman (out)	\$23.35	\$23.35	\$36.80	\$36.80	\$21.57	\$34.00
1 Laborer	21.35	170.80	33.65	269.20		
1 Concrete Cart, 18 C.F.		83.35		91.70	9.26	10.19
9 L.H., Daily Totals		\$277.50		\$397.70	\$30.83	\$44.19
Crew C-20	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.99	\$35.74
5 Laborers	21.35	854.00	33.65	1346.00		
1 Cement Finisher	25.05	200.40	37.35	298.80		
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
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		\$2191.70		\$3080.15	\$34.25	\$48.12
Crew C-21	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.99	\$35.74
5 Laborers	21.35	854.00	33.65	1346.00		
1 Cement Finisher	25.05	200.40	37.35	298.80		
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
2 Gas Engine Vibrators		74.90		82.40		
1 Concrete Conveyer		180.90		199.00	4.00	4.40
64 L.H., Daily Totals		\$1727.00		\$2569.00	\$26.99	\$40.14
Crew C-22	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Rodman Foreman	\$32.30	\$258.40	\$54.10	\$432.80	\$30.57	\$50.98
4 Rodmen (reinf.)	30.30	969.60	50.75	1624.00		
.125 Equip. Oper. (crane)	29.45	29.45	44.60	44.60		
.125 Equip. Oper. Oiler	26.35	26.35	39.90	39.90		
.125 Hyd. Crane, 25 Ton		68.67		75.55	1.63	1.80
42 L.H., Daily Totals		\$1352.47		\$2216.85	\$32.20	\$52.78
Crew C-23	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$29.75	\$476.00	\$46.70	\$747.20	\$28.18	\$43.92
6 Skilled Workers	27.75	1332.00	43.55	2090.40		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Crane, 90 Ton		1012.00		1113.20	12.65	13.92
80 L.H., Daily Totals		\$3266.40		\$4626.80	\$40.83	\$57.84
Crew C-24	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Worker Foremen	\$29.75	\$476.00	\$46.70	\$747.20	\$28.18	\$43.92
6 Skilled Workers	27.75	1332.00	43.55	2090.40		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Truck Crane, 150 Ton		1553.00		1708.30	19.41	21.35
80 L.H., Daily Totals		\$3807.40		\$5221.90	\$47.59	\$65.27
Crew C-25	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Rodmen (reinf.)	\$30.30	\$484.80	\$50.75	\$812.00	\$23.52	\$39.73
2 Rodmen Helpers	16.75	268.00	28.70	459.20		
32 L.H., Daily Totals		\$752.80		\$1271.20	\$23.52	\$39.73

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew D-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Bricklayer	\$26.65	\$213.20	\$41.45	\$331.60	\$24.25	\$37.73
1 Bricklayer Helper	21.85	174.80	34.00	272.00		
16 L.H., Daily Totals		\$388.00		\$603.60	\$24.25	\$37.73
Crew D-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Bricklayers	\$26.65	\$639.60	\$41.45	\$994.80	\$24.88	\$38.75
2 Bricklayer Helpers	21.85	349.60	34.00	544.00		
.5 Carpenter	26.35	105.40	41.55	166.20		
44 L.H., Daily Totals		\$1094.60		\$1705.00	\$24.88	\$38.75
Crew D-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Bricklayers	\$26.65	\$639.60	\$41.45	\$994.80	\$24.81	\$38.62
2 Bricklayer Helpers	21.85	349.60	34.00	544.00		
.25 Carpenter	26.35	52.70	41.55	83.10		
42 L.H., Daily Totals		\$1041.90		\$1621.90	\$24.81	\$38.62
Crew D-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Bricklayer	\$26.65	\$213.20	\$41.45	\$331.60	\$24.61	\$38.00
2 Bricklayer Helpers	21.85	349.60	34.00	544.00		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Grout Pump, 50 C.F./hr		67.35		74.10		
1 Hoses & Hopper		31.50		34.65		
1 Accessories		10.50		11.55	3.42	3.76
32 L.H., Daily Totals		\$896.95		\$1336.30	\$28.03	\$41.76
Crew D-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Bricklayer	\$26.65	\$213.20	\$41.45	\$331.60	\$26.65	\$41.45
8 L.H., Daily Totals		\$213.20		\$331.60	\$26.65	\$41.45
Crew D-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Bricklayers	\$26.65	\$639.60	\$41.45	\$994.80	\$24.33	\$37.88
3 Bricklayer Helpers	21.85	524.40	34.00	816.00		
.25 Carpenter	26.35	52.70	41.55	83.10		
50 L.H., Daily Totals		\$1216.70		\$1893.90	\$24.33	\$37.88
Crew D-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Tile Layer	\$25.40	\$203.20	\$37.25	\$298.00	\$22.63	\$33.17
1 Tile Layer Helper	19.85	158.80	29.10	232.80		
16 L.H., Daily Totals		\$362.00		\$530.80	\$22.63	\$33.17
Crew D-8	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Bricklayers	\$26.65	\$639.60	\$41.45	\$994.80	\$24.73	\$38.47
2 Bricklayer Helpers	21.85	349.60	34.00	544.00		
40 L.H., Daily Totals		\$989.20		\$1538.80	\$24.73	\$38.47
Crew D-9	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Bricklayers	\$26.65	\$639.60	\$41.45	\$994.80	\$24.25	\$37.73
3 Bricklayer Helpers	21.85	524.40	34.00	816.00		
48 L.H., Daily Totals		\$1164.00		\$1810.80	\$24.25	\$37.73
Crew D-10	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Bricklayer Foreman	\$28.65	\$229.20	\$44.55	\$356.40	\$25.69	\$39.72
1 Bricklayer	26.65	213.20	41.45	331.60		
2 Bricklayer Helpers	21.85	349.60	34.00	544.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Truck Crane, 12.5 Ton		391.35		430.50	9.78	10.76
40 L.H., Daily Totals		\$1418.95		\$2019.30	\$35.47	\$50.48

Crew D-11	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Bricklayer Foreman	\$28.65	\$229.20	\$44.55	\$356.40	\$25.72	\$40.00
1 Bricklayer	26.65	213.20	41.45	331.60		
1 Bricklayer Helper	21.85	174.80	34.00	272.00		
24 L.H., Daily Totals		\$617.20		\$960.00	\$25.72	\$40.00
Crew D-12	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Bricklayer Foreman	\$28.65	\$229.20	\$44.55	\$356.40	\$24.75	\$38.50
1 Bricklayer	26.65	213.20	41.45	331.60		
2 Bricklayer Helpers	21.85	349.60	34.00	544.00		
32 L.H., Daily Totals		\$792.00		\$1232.00	\$24.75	\$38.50
Crew D-13	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Bricklayer Foreman	\$28.65	\$229.20	\$44.55	\$356.40	\$25.80	\$40.02
1 Bricklayer	26.65	213.20	41.45	331.60		
2 Bricklayer Helpers	21.85	349.60	34.00	544.00		
1 Carpenter	26.35	210.80	41.55	332.40		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Truck Crane, 12.5 Ton		391.35		430.50	8.15	8.97
48 L.H., Daily Totals		\$1629.75		\$2351.70	\$33.95	\$48.99
Crew E-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Welder Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$30.23	\$51.88
1 Welder	30.30	242.40	54.75	438.00		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Gas Welding Machine		82.35		90.60	3.43	3.77
24 L.H., Daily Totals		\$807.95		\$1335.80	\$33.66	\$55.65
Crew E-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Struc. Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$29.90	\$51.69
4 Struc. Steel Workers	30.30	969.60	54.75	1752.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Crane, 90 Ton		1012.00		1113.20	18.07	19.88
56 L.H., Daily Totals		\$2686.40		\$4008.00	\$47.97	\$71.57
Crew E-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Struc. Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$30.97	\$55.95
1 Struc. Steel Worker	30.30	242.40	54.75	438.00		
1 Welder	30.30	242.40	54.75	438.00		
1 Gas Welding Machine		82.35		90.60	3.43	3.77
24 L.H., Daily Totals		\$825.55		\$1433.40	\$34.40	\$59.72
Crew E-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Struc. Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$30.80	\$55.65
3 Struc. Steel Workers	30.30	727.20	54.75	1314.00		
1 Gas Welding Machine		82.35		90.60	2.57	2.83
32 L.H., Daily Totals		\$1067.95		\$1871.40	\$33.37	\$58.48
Crew E-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Struc. Steel Foremen	\$32.30	\$516.80	\$58.35	\$933.60	\$30.22	\$52.97
5 Struc. Steel Workers	30.30	1212.00	54.75	2190.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Welder	30.30	242.40	54.75	438.00		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Crane, 90 Ton		1012.00		1113.20		
1 Gas Welding Machine		82.35		90.60	13.68	15.05
80 L.H., Daily Totals		\$3511.95		\$5441.40	\$43.90	\$68.02

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew E-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Struc. Steel Foremen	\$32.30	\$775.20	\$58.35	\$1400.40	\$30.24	\$53.10
9 Struc. Steel Workers	30.30	2181.60	54.75	3942.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Welder	30.30	242.40	54.75	438.00		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
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	9.76	10.74
128 L.H., Daily Totals		\$5119.75		\$8171.10	\$40.00	\$63.84
Crew E-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Struc. Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$30.22	\$52.97
4 Struc. Steel Workers	30.30	969.60	54.75	1752.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Welder Foreman	32.30	258.40	58.35	466.80		
2 Welders	30.30	484.80	54.75	876.00		
1 Crane, 90 Ton		1012.00		1113.20		
2 Gas Welding Machines		164.70		181.15	14.71	16.18
80 L.H., Daily Totals		\$3594.30		\$5531.95	\$44.93	\$69.15
Crew E-8	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Struc. Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$30.07	\$52.44
4 Struc. Steel Workers	30.30	969.60	54.75	1752.00		
1 Welder Foreman	32.30	258.40	58.35	466.80		
4 Welders	30.30	969.60	54.75	1752.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Crane, 90 Ton		1012.00		1113.20		
4 Gas Welding Machines		329.40		362.35	12.90	14.19
104 L.H., Daily Totals		\$4468.60		\$6929.55	\$42.97	\$66.63
Crew E-9	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Struc. Steel Foremen	\$32.30	\$516.80	\$58.35	\$933.60	\$30.24	\$53.10
5 Struc. Steel Workers	30.30	1212.00	54.75	2190.00		
1 Welder Foreman	32.30	258.40	58.35	466.80		
5 Welders	30.30	1212.00	54.75	2190.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
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		\$5294.15		\$8362.95	\$41.36	\$65.34
Crew E-10	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Welder Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$31.30	\$56.55
1 Welder	30.30	242.40	54.75	438.00		
4 Gas Welding Machines		329.40		362.35		
1 Truck, 3 Ton		179.45		197.40	31.80	34.98
16 L.H., Daily Totals		\$1009.65		\$1464.55	\$63.10	\$91.53
Crew E-11	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Painters, Struc. Steel	\$23.00	\$368.00	\$42.90	\$686.40	\$23.86	\$40.50
1 Building Laborer	21.35	170.80	33.65	269.20		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
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	5.22	5.74
32 L.H., Daily Totals		\$930.50		\$1479.60	\$29.08	\$46.24

Crew E-12	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Welder Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$30.20	\$50.45
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Gas Welding Machine		82.35		90.60	5.15	5.66
16 L.H., Daily Totals		\$565.55		\$897.80	\$35.35	\$56.11
Crew E-13	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Welder Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$30.90	\$53.08
.5 Equip. Oper. (light)	28.10	112.40	42.55	170.20		
1 Gas Welding Machine		82.35		90.60	6.86	7.55
12 L.H., Daily Totals		\$453.15		\$727.60	\$37.76	\$60.63
Crew E-14	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Welder Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$32.30	\$58.35
1 Gas Welding Machine		82.35		90.60	10.29	11.32
8 L.H., Daily Totals		\$340.75		\$557.40	\$42.59	\$69.67
Crew E-16	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Welder Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$31.30	\$56.55
1 Welder	30.30	242.40	54.75	438.00		
1 Gas Welding Machine		82.35		90.60	5.15	5.66
16 L.H., Daily Totals		\$583.15		\$995.40	\$36.45	\$62.21
Crew E-17	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Structural Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$31.30	\$56.55
1 Structural Steel Worker	30.30	242.40	54.75	438.00		
1 Power Tool		2.00		2.20	.13	.14
16 L.H., Daily Totals		\$502.80		\$907.00	\$31.43	\$56.69
Crew E-18	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Structural Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$30.39	\$53.23
3 Structural Steel Workers	30.30	727.20	54.75	1314.00		
1 Equipment Operator (med.)	28.75	230.00	43.55	348.40		
1 Crane, 20 Ton		512.55		563.80	12.81	14.10
40 L.H., Daily Totals		\$1728.15		\$2693.00	\$43.20	\$67.33
Crew E-19	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Structural Steel Worker	\$30.30	\$242.40	\$54.75	\$438.00	\$30.23	\$51.88
1 Structural Steel Foreman	32.30	258.40	58.35	466.80		
1 Equip. Oper. (light)	28.10	224.80	42.55	340.40		
1 Power Tool		2.00		2.20		
1 Crane, 20 ton		512.55		563.80	21.44	23.58
24 L.H., Daily Totals		\$1240.15		\$1811.20	\$51.67	\$75.46
Crew E-20	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Structural Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$29.95	\$52.08
5 Structural Steel Workers	30.30	1212.00	54.75	2190.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Oiler	26.35	210.80	39.90	319.20		
1 Power Tool		2.00		2.20		
1 Crane, 40 ton		694.70		764.15	10.89	11.97
64 L.H., Daily Totals		\$2613.50		\$4099.15	\$40.84	\$64.05
Crew E-22	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Skilled Worker Foreman	\$29.75	\$238.00	\$46.70	\$373.60	\$28.42	\$44.60
2 Skilled Worker	27.75	444.00	43.55	696.80		
24 L.H., Daily Totals		\$682.00		\$1070.40	\$28.42	\$44.60

Crews

Crew No.	Bare Costs		Incl. Sub O & P		Cost Per Labor-Hour	
Crew E-24	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Structural Steel Worker	\$30.30	\$727.20	\$54.75	\$1314.00	\$29.91	\$51.95
1 Equipment Operator (medium)	28.75	230.00	43.55	348.40		
1-25 ton crane		549.35		604.30	17.17	18.88
32 L.H., Daily Totals		\$1506.55		\$2266.70	\$47.08	\$70.83
Crew F-2A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$26.35	\$421.60	\$41.55	\$664.80	\$26.35	\$41.55
16 L.H., Daily Totals		\$421.60		\$664.80	\$26.35	\$41.55
Crew F-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
4 Carpenters	\$26.35	\$843.20	\$41.55	\$1329.60	\$26.97	\$42.16
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Hyd. Crane, 12 Ton		443.45		487.80	11.09	12.19
40 L.H., Daily Totals		\$1522.25		\$2174.20	\$38.06	\$54.35
Crew F-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
4 Carpenters	\$26.35	\$843.20	\$41.55	\$1329.60	\$26.87	\$41.78
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Equip. Oper. Oiler	26.35	210.80	39.90	319.20		
1 Hyd. Crane, 55 Ton		793.10		872.40	16.52	18.18
48 L.H., Daily Totals		\$2082.70		\$2878.00	\$43.39	\$59.96
Crew F-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman	\$28.35	\$226.80	\$44.70	\$357.60	\$26.85	\$42.34
3 Carpenters	26.35	632.40	41.55	997.20		
32 L.H., Daily Totals		\$859.20		\$1354.80	\$26.85	\$42.34
Crew F-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$26.35	\$421.60	\$41.55	\$664.80	\$24.97	\$39.00
2 Building Laborers	21.35	341.60	33.65	538.40		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Hyd. Crane, 12 Ton		443.45		487.80	11.09	12.19
40 L.H., Daily Totals		\$1442.25		\$2047.80	\$36.06	\$51.19
Crew F-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$26.35	\$421.60	\$41.55	\$664.80	\$23.85	\$37.60
2 Building Laborers	21.35	341.60	33.65	538.40		
32 L.H., Daily Totals		\$763.20		\$1203.20	\$23.85	\$37.60
Crew G-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Roofer Foreman	\$24.05	\$192.40	\$41.20	\$329.60	\$20.82	\$35.66
4 Roofers, Composition	22.05	705.60	37.75	1208.00		
2 Roofer Helpers	16.75	268.00	28.70	459.20		
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		\$1574.90		\$2446.60	\$28.12	\$43.69
Crew G-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plasterer	\$25.25	\$202.00	\$38.85	\$310.80	\$23.00	\$35.65
1 Plasterer Helper	22.40	179.20	34.45	275.60		
1 Building Laborer	21.35	170.80	33.65	269.20		
1 Grouting Equipment		235.25		258.75	9.80	10.78
24 L.H., Daily Totals		\$787.25		\$1114.35	\$32.80	\$46.43
Crew G-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Sheet Metal Workers	\$31.85	\$509.60	\$49.20	\$787.20	\$26.60	\$41.43
2 Building Laborers	21.35	341.60	33.65	538.40		
32 L.H., Daily Totals		\$851.20		\$1325.60	\$26.60	\$41.43

Crew G-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (outside)	\$23.35	\$186.80	\$36.80	\$294.40	\$22.02	\$34.70
2 Building Laborers	21.35	341.60	33.65	538.40		
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		\$797.75		\$1129.10	\$33.24	\$47.05
Crew G-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Roofer Foreman	\$24.05	\$192.40	\$41.20	\$329.60	\$20.33	\$34.82
2 Roofers, Composition	22.05	352.80	37.75	604.00		
2 Roofer Helpers	16.75	268.00	28.70	459.20		
1 Application Equipment		165.70		182.25	4.14	4.56
40 L.H., Daily Totals		\$978.90		\$1575.05	\$24.47	\$39.38
Crew G-6A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Roofers Composition	\$22.05	\$352.80	\$37.75	\$604.00	\$22.05	\$37.75
1 Small Compressor		20.95		23.05		
2 Pneumatic Nailers		39.90		43.90	3.80	4.18
16 L.H., Daily Totals		\$413.65		\$670.95	\$25.85	\$41.93
Crew G-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter	\$26.35	\$210.80	\$41.55	\$332.40	\$26.35	\$41.55
1 Small Compressor		20.95		23.05		
1 Pneumatic Nailer		19.95		21.95	5.11	5.62
8 L.H., Daily Totals		\$251.70		\$377.40	\$31.46	\$47.17
Crew H-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Glaziers	\$25.20	\$403.20	\$38.15	\$610.40	\$27.75	\$46.45
2 Struc. Steel Workers	30.30	484.80	54.75	876.00		
32 L.H., Daily Totals		\$888.00		\$1486.40	\$27.75	\$46.45
Crew H-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Glaziers	\$25.20	\$403.20	\$38.15	\$610.40	\$23.92	\$36.65
1 Building Laborer	21.35	170.80	33.65	269.20		
24 L.H., Daily Totals		\$574.00		\$879.60	\$23.92	\$36.65
Crew H-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Glazier	\$25.20	\$201.60	\$38.15	\$305.20	\$22.83	\$35.13
1 Helper	20.45	163.60	32.10	256.80		
16 L.H., Daily Totals		\$365.20		\$562.00	\$22.83	\$35.13
Crew J-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Plasterers	\$25.25	\$606.00	\$38.85	\$932.40	\$24.11	\$37.09
2 Plasterer Helpers	22.40	358.40	34.45	551.20		
1 Mixing Machine, 6 C.F.		42.45		46.70	1.06	1.17
40 L.H., Daily Totals		\$1006.85		\$1530.30	\$25.17	\$38.26
Crew J-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Plasterers	\$25.25	\$606.00	\$38.85	\$932.40	\$24.38	\$37.33
2 Plasterer Helpers	22.40	358.40	34.45	551.20		
1 Lather	25.75	206.00	38.55	308.40		
1 Mixing Machine, 6 C.F.		42.45		46.70	.88	.97
48 L.H., Daily Totals		\$1212.85		\$1838.70	\$25.26	\$38.30
Crew J-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Terrazzo Worker	\$26.05	\$208.40	\$38.20	\$305.60	\$23.25	\$34.10
1 Terrazzo Helper	20.45	163.60	30.00	240.00		
1 Terrazzo Grinder, Electric		45.70		50.25		
1 Terrazzo Mixer		52.80		58.10	6.16	6.77
16 L.H., Daily Totals		\$470.50		\$653.95	\$29.41	\$40.87

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew J-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Tile Layer	\$25.40	\$203.20	\$37.25	\$298.00	\$22.63	\$33.17
1 Tile Layer Helper	19.85	158.80	29.10	232.80		
16 L.H., Daily Totals		\$362.00		\$530.80	\$22.63	\$33.17
Crew K-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter	\$26.35	\$210.80	\$41.55	\$332.40	\$25.25	\$39.15
1 Truck Driver (light)	24.15	193.20	36.75	294.00		
1 Truck w/Power Equip.		179.45		197.40	11.22	12.34
16 L.H., Daily Totals		\$583.45		\$823.80	\$36.47	\$51.49
Crew K-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Struc. Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$28.92	\$49.95
1 Struc. Steel Worker	30.30	242.40	54.75	438.00		
1 Truck Driver (light)	24.15	193.20	36.75	294.00		
1 Truck w/Power Equip.		179.45		197.40	7.48	8.22
24 L.H., Daily Totals		\$873.45		\$1396.20	\$36.40	\$58.17
Crew L-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician	\$30.50	\$244.00	\$45.70	\$365.60	\$31.83	\$47.98
1 Plumber	33.15	265.20	50.25	402.00		
16 L.H., Daily Totals		\$509.20		\$767.60	\$31.83	\$47.98
Crew L-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter	\$26.35	\$210.80	\$41.55	\$332.40	\$23.40	\$36.83
1 Carpenter Helper	20.45	163.60	32.10	256.80		
16 L.H., Daily Totals		\$374.40		\$589.20	\$23.40	\$36.83
Crew L-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter	\$26.35	\$210.80	\$41.55	\$332.40	\$28.76	\$44.50
.5 Electrician	30.50	122.00	45.70	182.80		
.5 Sheet Metal Worker	31.85	127.40	49.20	196.80		
16 L.H., Daily Totals		\$460.20		\$712.00	\$28.76	\$44.50
Crew L-3A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman (outside)	\$28.35	\$226.80	\$44.70	\$357.60	\$29.52	\$46.20
.5 Sheet Metal Worker	31.85	127.40	49.20	196.80		
12 L.H., Daily Totals		\$354.20		\$554.40	\$29.52	\$46.20
Crew L-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Skilled Workers	\$27.75	\$444.00	\$43.55	\$696.80	\$25.32	\$39.73
1 Helper	20.45	163.60	32.10	256.80		
24 L.H., Daily Totals		\$607.60		\$953.60	\$25.32	\$39.73
Crew L-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Struc. Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$30.46	\$53.81
5 Struc. Steel Workers	30.30	1212.00	54.75	2190.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Hyd. Crane, 25 Ton		549.35		604.30	9.81	10.79
56 L.H., Daily Totals		\$2255.35		\$3617.90	\$40.27	\$64.60
Crew L-5A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Structural Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$30.59	\$53.11
2 Structural Steel Worker	30.30	484.80	54.75	876.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Crane, SP, 25 Ton		547.90		602.70	17.12	18.83
32 L.H., Daily Totals		\$1526.70		\$2302.30	\$47.71	\$71.94

Crew L-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plumber	\$33.15	\$265.20	\$50.25	\$402.00	\$32.27	\$48.73
.5 Electrician	30.50	122.00	45.70	182.80		
12 L.H., Daily Totals		\$387.20		\$584.80	\$32.27	\$48.73
Crew L-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$26.35	\$421.60	\$41.55	\$664.80	\$25.51	\$39.89
1 Building Laborer	21.35	170.80	33.65	269.20		
.5 Electrician	30.50	122.00	45.70	182.80		
28 L.H., Daily Totals		\$714.40		\$1116.80	\$25.51	\$39.89
Crew L-8	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Carpenters	\$26.35	\$421.60	\$41.55	\$664.80	\$27.71	\$43.29
.5 Plumber	33.15	132.60	50.25	201.00		
20 L.H., Daily Totals		\$554.20		\$865.80	\$27.71	\$43.29
Crew L-9	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Labor Foreman (inside)	\$21.85	\$174.80	\$34.45	\$275.60	\$24.47	\$39.86
2 Building Laborers	21.35	341.60	33.65	538.40		
1 Struc. Steel Worker	30.30	242.40	54.75	438.00		
.5 Electrician	30.50	122.00	45.70	182.80		
36 L.H., Daily Totals		\$880.80		\$1434.80	\$24.47	\$39.86
Crew L-10	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Structural Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$30.68	\$52.57
1 Structural Steel Worker	30.30	242.40	54.75	438.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Hyd. Crane, 12 Ton		443.45		487.80	18.48	20.32
24 L.H., Daily Totals		\$1179.85		\$1749.40	\$49.16	\$72.89
Crew M-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
3 Elevator Constructors	\$35.75	\$858.00	\$53.60	\$1286.40	\$33.96	\$50.91
1 Elevator Apprentice	28.60	228.80	42.85	342.80		
5 Hand Tools		85.00		93.50	2.66	2.92
32 L.H., Daily Totals		\$1171.80		\$1722.70	\$36.62	\$53.83
Crew M-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$32.50	\$260.00	\$48.70	\$389.60	\$29.50	\$44.63
1 Common Laborer	21.35	170.80	33.65	269.20		
.25 Equipment Operator, Medium	28.75	57.50	43.55	87.10		
1 Elevator Constructor	35.75	286.00	53.60	428.80		
1 Elevator Apprentice	28.60	228.80	42.85	342.80		
.25 Crane, SP, 4 x 4, 20 ton		111.03		122.15	3.27	3.59
34 L.H., Daily Totals		\$1114.13		\$1639.65	\$32.77	\$48.22
Crew M-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$32.50	\$260.00	\$48.70	\$389.60	\$29.37	\$44.43
1 Common Laborer	21.35	170.80	33.65	269.20		
.25 Equipment Operator, Crane or Shovel	29.45	58.90	44.60	89.20		
.25 Equipment Operator, Oiler	26.35	52.70	39.90	79.80		
1 Elevator Constructor	35.75	286.00	53.60	428.80		
1 Elevator Apprentice	28.60	228.80	42.85	342.80		
.25 Crane, hydraulic, SP, 4WD, 40 ton		195.20		214.70	5.42	5.96
36 L.H., Daily Totals		\$1252.40		\$1814.10	\$34.79	\$50.39
Crew Q-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plumber	\$33.15	\$265.20	\$50.25	\$402.00	\$29.83	\$45.20
1 Plumber Apprentice	26.50	212.00	40.15	321.20		
16 L.H., Daily Totals		\$477.20		\$723.20	\$29.83	\$45.20

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew Q-1C	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plumber	\$33.15	\$265.20	\$50.25	\$402.00	\$29.47	\$44.65
1 Plumber Apprentice	26.50	212.00	40.15	321.20		
1 Equip. Oper. (medium)	28.75	230.00	43.55	348.40		
1 Trencher, Chain		535.90		589.50	22.33	24.56
24 L.H., Daily Totals		\$1243.10		\$1661.10	\$51.80	\$69.21
Crew Q-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Plumbers	\$33.15	\$530.40	\$50.25	\$804.00	\$30.93	\$46.88
1 Plumber Apprentice	26.50	212.00	40.15	321.20		
24 L.H., Daily Totals		\$742.40		\$1125.20	\$30.93	\$46.88
Crew Q-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plumber Foreman (ins)	\$33.65	\$269.20	\$51.00	\$408.00	\$31.61	\$47.91
2 Plumbers	33.15	530.40	50.25	804.00		
1 Plumber Apprentice	26.50	212.00	40.15	321.20		
32 L.H., Daily Totals		\$1011.60		\$1533.20	\$31.61	\$47.91
Crew Q-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plumber Foreman (ins)	\$33.65	\$269.20	\$51.00	\$408.00	\$31.61	\$47.91
1 Plumber	33.15	265.20	50.25	402.00		
1 Welder (plumber)	33.15	265.20	50.25	402.00		
1 Plumber Apprentice	26.50	212.00	40.15	321.20		
1 Electric Welding Mach.		49.70		54.65	1.55	1.71
32 L.H., Daily Totals		\$1061.30		\$1587.85	\$33.16	\$49.62
Crew Q-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Steamfitter	\$33.20	\$265.60	\$50.35	\$402.80	\$29.88	\$45.30
1 Steamfitter Apprentice	26.55	212.40	40.25	322.00		
16 L.H., Daily Totals		\$478.00		\$724.80	\$29.88	\$45.30
Crew Q-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Steamfitters	\$33.20	\$531.20	\$50.35	\$805.60	\$30.98	\$46.98
1 Steamfitter Apprentice	26.55	212.40	40.25	322.00		
24 L.H., Daily Totals		\$743.60		\$1127.60	\$30.98	\$46.98
Crew Q-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Steamfitter Foreman (ins)	\$33.70	\$269.60	\$51.10	\$408.80	\$31.66	\$48.01
2 Steamfitters	33.20	531.20	50.35	805.60		
1 Steamfitter Apprentice	26.55	212.40	40.25	322.00		
32 L.H., Daily Totals		\$1013.20		\$1536.40	\$31.66	\$48.01
Crew Q-8	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Steamfitter Foreman (ins)	\$33.70	\$269.60	\$51.10	\$408.80	\$31.66	\$48.01
1 Steamfitter	33.20	265.60	50.35	402.80		
1 Welder (steamfitter)	33.20	265.60	50.35	402.80		
1 Steamfitter Apprentice	26.55	212.40	40.25	322.00		
1 Electric Welding Mach.		49.70		54.65	1.55	1.71
32 L.H., Daily Totals		\$1062.90		\$1591.05	\$33.21	\$49.72
Crew Q-9	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Sheet Metal Worker	\$31.85	\$254.80	\$49.20	\$393.60	\$28.68	\$44.28
1 Sheet Metal Apprentice	25.50	204.00	39.35	314.80		
16 L.H., Daily Totals		\$458.80		\$708.40	\$28.68	\$44.28
Crew Q-10	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Sheet Metal Workers	\$31.85	\$509.60	\$49.20	\$787.20	\$29.73	\$45.92
1 Sheet Metal Apprentice	25.50	204.00	39.35	314.80		
24 L.H., Daily Totals		\$713.60		\$1102.00	\$29.73	\$45.92

Crew Q-11	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Sheet Metal Foreman (ins)	\$32.35	\$258.80	\$49.95	\$399.60	\$30.39	\$46.92
2 Sheet Metal Workers	31.85	509.60	49.20	787.20		
1 Sheet Metal Apprentice	25.50	204.00	39.35	314.80		
32 L.H., Daily Totals		\$972.40		\$1501.60	\$30.39	\$46.92
Crew Q-12	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Sprinkler Installer	\$32.40	\$259.20	\$49.00	\$392.00	\$29.15	\$44.08
1 Sprinkler Apprentice	25.90	207.20	39.15	313.20		
16 L.H., Daily Totals		\$466.40		\$705.20	\$29.15	\$44.08
Crew Q-13	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Sprinkler Foreman (ins)	\$32.90	\$263.20	\$49.75	\$398.00	\$30.90	\$46.73
2 Sprinkler Installers	32.40	518.40	49.00	784.00		
1 Sprinkler Apprentice	25.90	207.20	39.15	313.20		
32 L.H., Daily Totals		\$988.80		\$1495.20	\$30.90	\$46.73
Crew Q-14	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Asbestos Worker	\$31.10	\$248.80	\$50.25	\$402.00	\$28.00	\$45.23
1 Asbestos Apprentice	24.90	199.20	40.20	321.60		
16 L.H., Daily Totals		\$448.00		\$723.60	\$28.00	\$45.23
Crew Q-15	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plumber	\$33.15	\$265.20	\$50.25	\$402.00	\$29.83	\$45.20
1 Plumber Apprentice	26.50	212.00	40.15	321.20		
1 Electric Welding Mach.		49.70		54.65	3.11	3.42
16 L.H., Daily Totals		\$526.90		\$777.85	\$32.94	\$48.62
Crew Q-16	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Plumbers	\$33.15	\$530.40	\$50.25	\$804.00	\$30.93	\$46.88
1 Plumber Apprentice	26.50	212.00	40.15	321.20		
1 Electric Welding Mach.		49.70		54.65	2.07	2.28
24 L.H., Daily Totals		\$792.10		\$1179.85	\$33.00	\$49.16
Crew Q-17	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Steamfitter	\$33.20	\$265.60	\$50.35	\$402.80	\$29.88	\$45.30
1 Steamfitter Apprentice	26.55	212.40	40.25	322.00		
1 Electric Welding Mach.		49.70		54.65	3.11	3.42
16 L.H., Daily Totals		\$527.70		\$779.45	\$32.99	\$48.72
Crew Q-17A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Steamfitter	\$33.20	\$265.60	\$50.35	\$402.80	\$29.73	\$45.07
1 Steamfitter Apprentice	26.55	212.40	40.25	322.00		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
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		\$1206.75		\$1624.05	\$50.28	\$67.67
Crew Q-18	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Steamfitters	\$33.20	\$531.20	\$50.35	\$805.60	\$30.98	\$46.98
1 Steamfitter Apprentice	26.55	212.40	40.25	322.00		
1 Electric Welding Mach.		49.70		54.65	2.07	2.28
24 L.H., Daily Totals		\$793.30		\$1182.25	\$33.05	\$49.26
Crew Q-19	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Steamfitter	\$33.20	\$265.60	\$50.35	\$402.80	\$30.08	\$45.43
1 Steamfitter Apprentice	26.55	212.40	40.25	322.00		
1 Electrician	30.50	244.00	45.70	365.60		
24 L.H., Daily Totals		\$722.00		\$1090.40	\$30.08	\$45.43

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew Q-20	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Sheet Metal Worker	\$31.85	\$254.80	\$49.20	\$393.60	\$29.04	\$44.56
1 Sheet Metal Apprentice	25.50	204.00	39.35	314.80		
.5 Electrician	30.50	122.00	45.70	182.80		
20 L.H., Daily Totals		\$580.80		\$891.20	\$29.04	\$44.56
Crew Q-21	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
2 Steamfitters	\$33.20	\$531.20	\$50.35	\$805.60	\$30.86	\$46.66
1 Steamfitter Apprentice	26.55	212.40	40.25	322.00		
1 Electrician	30.50	244.00	45.70	365.60		
32 L.H., Daily Totals		\$987.60		\$1493.20	\$30.86	\$46.66
Crew Q-22	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plumber	\$33.15	\$265.20	\$50.25	\$402.00	\$29.83	\$45.20
1 Plumber Apprentice	26.50	212.00	40.15	321.20		
1 Truck Crane, 12 Ton		443.45		487.80	27.72	30.49
16 L.H., Daily Totals		\$920.65		\$1211.00	\$57.55	\$75.69
Crew Q-22A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plumber	\$33.15	\$265.20	\$50.25	\$402.00	\$27.61	\$42.16
1 Plumber Apprentice	26.50	212.00	40.15	321.20		
1 Laborer	21.35	170.80	33.65	269.20		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 Truck Crane, 12 Ton		443.45		487.80	13.86	15.24
32 L.H., Daily Totals		\$1327.05		\$1837.00	\$41.47	\$57.40
Crew Q-23	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Plumber Foreman	\$35.15	\$281.20	\$53.30	\$426.40	\$32.35	\$49.03
1 Plumber	33.15	265.20	50.25	402.00		
1 Equip. Oper. (medium)	28.75	230.00	43.55	348.40		
1 Power Tools		2.00		2.20		
1 Crane, 20 Ton		512.55		563.80	21.44	23.58
24 L.H., Daily Totals		\$1290.95		\$1742.80	\$53.79	\$72.61
Crew R-1	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$31.00	\$248.00	\$46.45	\$371.60	\$27.23	\$41.29
3 Electricians	30.50	732.00	45.70	1096.80		
2 Helpers	20.45	327.20	32.10	513.60		
48 L.H., Daily Totals		\$1307.20		\$1982.00	\$27.23	\$41.29
Crew R-1A	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician	\$30.50	\$244.00	\$45.70	\$365.60	\$25.48	\$38.90
1 Helper	20.45	163.60	32.10	256.80		
16 L.H., Daily Totals		\$407.60		\$622.40	\$25.48	\$38.90
Crew R-2	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$31.00	\$248.00	\$46.45	\$371.60	\$27.55	\$41.76
3 Electricians	30.50	732.00	45.70	1096.80		
2 Helpers	20.45	327.20	32.10	513.60		
1 Equip. Oper. (crane)	29.45	235.60	44.60	356.80		
1 S.P. Crane, 5 Ton		271.45		298.60	4.85	5.33
56 L.H., Daily Totals		\$1814.25		\$2637.40	\$32.40	\$47.09
Crew R-3	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$31.00	\$248.00	\$46.45	\$371.60	\$30.49	\$45.78
1 Electrician	30.50	244.00	45.70	365.60		
.5 Equip. Oper. (crane)	29.45	117.80	44.60	178.40		
.5 S.P. Crane, 5 Ton		135.73		149.30	6.79	7.46
20 L.H., Daily Totals		\$745.53		\$1064.90	\$37.28	\$53.24

Crew R-4	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Struc. Steel Foreman	\$32.30	\$258.40	\$58.35	\$466.80	\$30.74	\$53.66
3 Struc. Steel Workers	30.30	727.20	54.75	1314.00		
1 Electrician	30.50	244.00	45.70	365.60		
1 Gas Welding Machine		82.35		90.60	2.06	2.26
40 L.H., Daily Totals		\$1311.95		\$2237.00	\$32.80	\$55.92
Crew R-5	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$31.00	\$248.00	\$46.45	\$371.60	\$26.89	\$40.82
4 Electrician Linemen	30.50	976.00	45.70	1462.40		
2 Electrician Operators	30.50	488.00	45.70	731.20		
4 Electrician Groundmen	20.45	654.40	32.10	1027.20		
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		\$3804.21		\$5174.00	\$43.23	\$58.79
Crew R-6	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$31.00	\$248.00	\$46.45	\$371.60	\$26.89	\$40.82
4 Electrician Linemen	30.50	976.00	45.70	1462.40		
2 Electrician Operators	30.50	488.00	45.70	731.20		
4 Electrician Groundmen	20.45	654.40	32.10	1027.20		
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		\$5173.36		\$6680.05	\$58.79	\$75.91
Crew R-7	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$31.00	\$248.00	\$46.45	\$371.60	\$22.21	\$34.49
5 Electrician Groundmen	20.45	818.00	32.10	1284.00		
1 Crew Truck		197.30		217.05	4.11	4.52
48 L.H., Daily Totals		\$1263.30		\$1872.65	\$26.32	\$39.01
Crew R-8	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$31.00	\$248.00	\$46.45	\$371.60	\$27.23	\$41.29
3 Electrician Linemen	30.50	732.00	45.70	1096.80		
2 Electrician Groundmen	20.45	327.20	32.10	513.60		
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		\$1633.45		\$2340.90	\$34.03	\$48.77
Crew R-9	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$31.00	\$248.00	\$46.45	\$371.60	\$25.54	\$38.99
1 Electrician Lineman	30.50	244.00	45.70	365.60		
2 Electrician Operators	30.50	488.00	45.70	731.20		
4 Electrician Groundmen	20.45	654.40	32.10	1027.20		
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		\$1960.65		\$2854.50	\$30.64	\$44.60

Crews

Crew No. Bare Costs Incl. Sub O & P Cost Per Labor-Hour

Crew R-10	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$31.00	\$248.00	\$46.45	\$371.60	\$28.91	\$43.56
4 Electrician Linemen	30.50	976.00	45.70	1462.40		
1 Electrician Groundman	20.45	163.60	32.10	256.80		
1 Crew Truck		197.30		217.05		
3 Tram Cars		528.75		581.65	15.13	16.64
48 L.H., Daily Totals		\$2113.65		\$2889.50	\$44.04	\$60.20
Crew R-11	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$31.00	\$248.00	\$46.45	\$371.60	\$27.83	\$42.14
4 Electricians	30.50	976.00	45.70	1462.40		
1 Helper	20.45	163.60	32.10	256.80		
1 Common Laborer	21.35	170.80	33.65	269.20		
1 Crew Truck		197.30		217.05		
1 Crane, 12 Ton		443.45		487.80	11.44	12.59
56 L.H., Daily Totals		\$2199.15		\$3064.85	\$39.27	\$54.73
Crew R-12	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Carpenter Foreman	\$26.85	\$214.80	\$42.35	\$338.80	\$25.15	\$40.13
4 Carpenters	26.35	843.20	41.55	1329.60		
4 Common Laborers	21.35	683.20	33.65	1076.80		
1 Equip. Oper. (med.)	28.75	230.00	43.55	348.40		
1 Steel Worker	30.30	242.40	54.75	438.00		
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		\$3181.50		\$4596.30	\$36.15	\$52.23
Crew R-13	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$31.00	\$248.00	\$46.45	\$371.60	\$29.72	\$44.68
3 Electricians	30.50	732.00	45.70	1096.80		
1 Equipment Operator	29.45	235.60	44.60	356.80		
1 Equipment Oiler	26.35	210.80	39.90	319.20		
.25-1 Hyd Crane, 33 Ton		173.74		191.10	3.62	3.98
48 L.H., Daily Totals		\$1600.14		\$2335.50	\$33.34	\$48.66
Crew R-15	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$31.00	\$248.00	\$46.45	\$371.60	\$30.18	\$45.30
4 Electricians	30.50	976.00	45.70	1462.40		
1 Equipment Operator	28.10	224.80	42.55	340.40		
1 Aerial Lift Truck		281.35		309.50	5.86	6.45
48 L.H., Daily Totals		\$1730.15		\$2483.90	\$36.04	\$51.75
Crew R-18	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.25 Electrician Foreman	\$31.00	\$62.00	\$46.45	\$92.90	\$24.35	\$37.39
1 Electrician	30.50	244.00	45.70	365.60		
2 Helpers	20.45	327.20	32.10	513.60		
26 L.H., Daily Totals		\$633.20		\$972.10	\$24.35	\$37.39
Crew R-19	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.5 Electrician Foreman	\$31.00	\$124.00	\$46.45	\$185.80	\$30.60	\$45.85
2 Electricians	30.50	488.00	45.70	731.20		
20 L.H., Daily Totals		\$612.00		\$917.00	\$30.60	\$45.85
Crew R-21	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
1 Electrician Foreman	\$31.00	\$248.00	\$46.45	\$371.60	\$30.58	\$45.83
3 Electricians	30.50	732.00	45.70	1096.80		
.1 Equip. Oper. (med.)	28.75	23.00	43.55	34.84		
.1 Hyd. Crane 25 Ton		54.79		60.25	1.67	1.84
32 L.H., Daily Totals		\$1057.79		\$1563.49	\$32.25	\$47.67

Crew R-22	Hr.	Daily	Hr.	Daily	Bare Costs	Incl. O&P
.66 Electrician Foreman	\$31.00	\$163.68	\$46.45	\$245.26	\$26.26	\$39.97
2 Helpers	20.45	327.20	32.10	513.60		
2 Electricians	30.50	488.00	45.70	731.20		
37.28 L.H., Daily Totals		\$978.88		\$1490.06	\$26.26	\$39.97