

31 06 Schedules for Earthwork

31 06 60 – Schedules for Special Foundations and Load Bearing Elements

| 31 06 60.15 Mobilization | | Crew | Daily Output | Labor-Hours | Unit | Material | 2022 Bare Costs | | Total | Total Incl O&P |
|--------------------------|--|------|--------------|-------------|------|----------|-----------------|-----------|--------|----------------|
| | | | | | | | Labor | Equipment | | |
| 0010 | MOBILIZATION | | | | | | | | | |
| 0020 | Set up & remove, air compressor, 600 CFM | A-5 | 3.30 | 5.455 | Ea. | | 252 | 26 | 278 | 405 |
| 0100 | 1,200 CFM | " | 2.20 | 8.182 | | | 375 | 38.50 | 413.50 | 605 |
| 0200 | Crane, with pile leads and pile hammer, 75 ton | B-19 | .60 | 107 | | | 6,325 | 3,500 | 9,825 | 13,500 |
| 0300 | 150 ton | " | .36 | 178 | ↓ | | 10,500 | 5,850 | 16,350 | 22,500 |
| 0500 | Drill rig, for coissons, to 36", minimum | B-43 | 2 | 24 | Ea. | | 1,200 | 395 | 1,595 | 2,225 |
| 0520 | Maximum | | .50 | 96 | | | 4,825 | 1,575 | 6,400 | 8,925 |
| 0600 | Up to 84" | ↓ | 1 | 48 | | | 2,425 | 785 | 3,210 | 4,475 |
| 0800 | Auxiliary boiler, for steam small | A-5 | 1.66 | 10.843 | | | 500 | 51 | 551 | 800 |
| 0900 | Large | " | .83 | 21.687 | | | 1,000 | 102 | 1,102 | 1,625 |
| 1100 | Rule of thumb: complete pile driving set up, small | B-19 | .45 | 142 | | | 8,425 | 4,675 | 13,100 | 18,000 |
| 1200 | Large | " | .27 | 237 | ↓ | | 14,000 | 7,800 | 21,800 | 30,000 |
| 1500 | Mobilization, barge, by tug boat | B-83 | .25 | .640 | Mile | | 34 | 30 | 64 | 83.50 |

31 11 Clearing and Grubbing

31 11 10 – Clearing and Grubbing Land

31 11 10.10 Clear and Grub Site

| | | | | | | | | | | |
|------|---|------|-----|--------|------|--|-------|-------|--------|--------|
| 0010 | CLEAR AND GRUB SITE | | | | | | | | | |
| 0020 | Cut & chip light trees to 6" diam. | B-7 | 1 | 48 | Acre | | 2,325 | 1,800 | 4,125 | 5,425 |
| 0150 | Grub stumps and remove | B-30 | 2 | 12 | | | 665 | 1,250 | 1,915 | 2,400 |
| 0200 | Cut & chip medium trees to 12" diam. | B-7 | .70 | 68.571 | | | 3,325 | 2,550 | 5,875 | 7,750 |
| 0250 | Grub stumps and remove | B-30 | 1 | 24 | | | 1,325 | 2,525 | 3,850 | 4,750 |
| 0300 | Cut & chip heavy trees to 24" diam. | B-7 | .30 | 160 | | | 7,750 | 5,975 | 13,725 | 18,100 |
| 0350 | Grub stumps and remove | B-30 | .50 | 48 | | | 2,675 | 5,050 | 7,725 | 9,525 |
| 0400 | If burning is allowed, deduct cut & chip | | | | ↓ | | | | 40% | 40% |
| 3000 | Chipping stumps, to 18" deep, 12" diam. | B-86 | 20 | .400 | Ea. | | 24 | 13 | 37 | 50.50 |
| 3040 | 18" diameter | | 16 | .500 | | | 30 | 16.25 | 46.25 | 63 |
| 3080 | 24" diameter | | 14 | .571 | | | 34.50 | 18.55 | 53.05 | 72 |
| 3100 | 30" diameter | | 12 | .667 | | | 40.50 | 21.50 | 62 | 84 |
| 3120 | 36" diameter | | 10 | .800 | | | 48.50 | 26 | 74.50 | 101 |
| 3160 | 48" diameter | ↓ | 8 | 1 | ↓ | | 60.50 | 32.50 | 93 | 126 |
| 5000 | Tree thinning, feller buncher, conifer | | | | | | | | | |
| 5080 | Up to 8" diameter | B-93 | 240 | .033 | Ea. | | 2.01 | 4.65 | 6.66 | 8.10 |
| 5120 | 12" diameter | | 160 | .050 | | | 3.02 | 7 | 10.02 | 12.20 |
| 5240 | Hardwood, up to 4" diameter | | 240 | .033 | | | 2.01 | 4.65 | 6.66 | 8.10 |
| 5280 | 8" diameter | | 180 | .044 | | | 2.68 | 6.20 | 8.88 | 10.85 |
| 5320 | 12" diameter | ↓ | 120 | .067 | ↓ | | 4.03 | 9.30 | 13.33 | 16.25 |
| 7000 | Tree removal, congested area, aerial lift truck | | | | | | | | | |
| 7040 | 8" diameter | B-85 | 7 | 5.714 | Ea. | | 286 | 169 | 455 | 610 |
| 7080 | 12" diameter | | 6 | 6.667 | | | 335 | 198 | 533 | 710 |
| 7120 | 18" diameter | | 5 | 8 | | | 400 | 237 | 637 | 855 |
| 7160 | 24" diameter | | 4 | 10 | | | 500 | 296 | 796 | 1,075 |
| 7240 | 36" diameter | | 3 | 13.333 | | | 665 | 395 | 1,060 | 1,425 |
| 7280 | 48" diameter | ↓ | 2 | 20 | ↓ | | 1,000 | 595 | 1,595 | 2,150 |