## 31 62 Driven Piles

24	60	16	- Cto	el Piles	
31	U // 4	10	- 316		ð

	Daily Lab		Labor-		2022 Bare Costs				Total		
31 62 16.1	3 Steel Piles	Crew	Output	Hours	Unit	Material		Labor	Equipment	Total	Incl O&P
0800	HP12 x 74	B-19A	590	.108	V.L.F.	33		6.40	5.10	44.50	52
1000	HP14 x 73	and the second	540	.119		35		7 - 1	5.55	47.55	55.50
1100	HP14 x 89		540	.119	1	45		7 .	5.55	57.55	66.50
1300	HP14 x 102		510	.125		51		7.45	5.90	64.35	74.50
1400	HP14 x 117	1 +	510	.125	+	59		7.45	5.90	72.35	83
1600	Splice on standard points, not in leads, 8" or 10"	1 Sswl	5	1.600	Ea.	113	1	99		212	277
1700	12" or 14"	11	4	2	1	159	1	124	-	283	365
1900	Heavy duty points, not in leads, 10" wide		4	2		180		124		304	390
2100	14" wide	1 1	3.50	2.286	4	222	* 5	142	,	364	465

## 31 62 19 - Timber Piles

## 31 62 19.10 Wood Piles

Priction or end bearing, not including   Priction or end bearing, activity, priorits   Priction or end bearing, activity, priction or en	0010	WOOD PILES								
D100   ACZA frented piles, 1.0 lb/C.F., up to 30' long, 12" butts, 8" points   1 / 700   .091   1   15.30   5.40   3   23.70   28.50	0011	Friction or end bearing, not including								
	0050	mobilization or demobilization								
0300   40° to 49° long, 12" butts, 7" points   10   720   0.89   1   16.10   5.25   2.92   24.27   29	0100	ACZA treated piles, 1.0 lb/C.F., up to 30' long, 12" butts, 8" points	B-19	625	.102 V.L.F.	14.50	6.05	3.36	23.91	29
0400   50° to 59° long, 13" butts, 7" points   8-19 840 0.76 VLE 26   4.51 2.50 3.3.01 38 50 600	0200	30' to 39' long, 12" butts, 8" points		700	.091	15.30	5.40	3	23.70	28.50
	0300	40' to 49' long, 12" butts, 7" points		720	.089	16.10	5.25	2.92	24.27	29
	0400	50' to 59' long, 13" butts, 7" points	1 + 1	800	.080   🔟	22.50	4.74	2.63	29.87	35
National Color	0500	60' to 69' long, 13" butts, 7" points .	B-19	840	.076   V.L.F.	26	4.51	2.50	33.01	38
National Contract Decision of Micros Reserved   National Contract Reserv		70' to 80' long, 13" butts, 6" points	3 77	840	.076 "	. 26	4.51	2.50	33.01	38.50
1000	0800	, , ,								
1100   30' to 39' long, 12" butts, 8" points   700   .091   17.80   5.40   3   26.20   31     1200   40' to 49' long, 12" butts, 7" points   720   .089   24.50   5.25   2.92   32.67   38.50     1300   50' to 59' long, 13" butts, 7" points   819   800   .080   26.50   4.74   2.63   33.87   39     1400   60' to 69' long, 13" butts, 6" points   819   800   .076   25   4.51   3.58   33.09   37.50     1500   70' to 80' long, 13" butts, 6" points   819   800   .076   25   4.51   3.58   33.09   37.50     1500   ACZA treated piles, 2.5 lb, /C.E.		friction or end bearing, ASTM class B								
1200   40' to 49' long, 12" butts, 7" points   720   0.89   24.50   5.25   2.92   32.67   38.50     1300   50' to 59' long, 13" butts, 7" points   8.19   800   0.80   26.50   4.74   2.63   33.87   39     1400   60' to 69' long, 13" butts, 6" points   8.19   840   0.76   24   4.51   3.58   32.09   37.50     1500   70' to 80' long, 13" butts, 6" points   8.19   840   0.76   25   4.51   3.58   33.09   38.50     1600   ACZA treated piles, 2.5 lb./C.F.     1610   8" butts, 10' long   8.19   400   1.60   V.L.F.   7.75   9.50   5.25   22.50   29     1620   11' to 16' long   500   1.28   7.75   7.60   4.21   19.56   24.50     1630   17' to 20' long   500   1.28   22.50   7.60   4.21   19.56   24.50     1640   10" butts, 10' to 16' long   500   1.28   22.50   7.60   4.21   34.31   41     1650   17' to 20' long   575   1.11   22.50   6.60   3.66   32.76   39     1660   21' to 40' long   575   1.11   22.50   6.60   3.66   32.76   39     1670   12" butts, 10' to 20' long   575   1.11   22.50   5.40   3   30.90   36.50     1680   21' to 40' long   575   1.11   22.50   5.40   3   30.90   36.50     1690   36' to 40' long   500   28   28   5.85   3.24   37.09   43.50     1690   36' to 40' long   700   0.91   28.50   5.40   3   36.90   43     1695   14" butts, to 40' long   700   0.91   28.50   5.40   3   36.90   43     1695   14" butts, to 40' long   700   0.91   700   0.91   70.50   70.50     1800   Maximum   1 Pile   27   296   80   45.50   17.25   62.75   76.50     1800   Maximum   1 Pile   27   296   80   45.50   23.50   69   86     2100   Maximum   4 15   5.33   163   31   194   228     2300   Splice for piles over 50' long, minimum   4 20   2.400   74.50   125   2.52   20.02   276     2400   Maximum   4 20   2.400   74.50   125   2.52   20.02   276     2400   Concrete encosement with wire mesh and tube   4 33   1.45   V.L.F.   74.50   75.5   1.5   82.20   93.50     2400   Concrete encosement with wire mesh and tube   4 35   31.145   V.L.F.   74.50   75.55   1.55   82.20   93.50     2500   2500   2500   2500   2500   2		Up to 30' long, 12" butts, 8" points	· B-19		.102 V.L.F.		6.05	3.36	26.61	32
1300								- 1		
1400   60' to 69' long, 13" butts, 6" points   B-19A 840   .0.76   24   4.51   3.58   32.09   37.50     1500   70' to 80' long, 13" butts, 6" points   "840 .0.76   25   4.51   3.58   33.09   38.50     1600   ACZA treated piles, 2.5 lb./C.E.		40' to 49' long, 12" butts, 7" points								
1500   70' to 80' long, 13" butts, 6" points   "840   .076   25   4.51   3.58   33.09   38.50     1600   ACZA treated piles, 2.5 lb./C.F.     1610   8" butts, 10' long   8-19   400   .160   V.L.F.   7.75   9.50   5.25   22.50   29     1620   11' to 16' long   500   .128   7.75   7.60   4.21   19.56   24.50     1630   17' to 20' long   575   .111   7.75   6.60   3.66   18.01   22.50     1640   10" butts, 10' to 16' long   575   .111   22.50   6.60   3.66   32.76   39     1650   17' to 20' long   700   .091   22.50   5.40   3   30.99   36.50     1670   12" butts, 10' to 20' long   575   .111   28   6.60   3.66   38.26   44.50     1680   21' to 35' long   575   .111   28   6.60   3.66   38.26   44.50     1690   36' to 40' long   700   .091   28.50   5.40   3   36.90   43.50     1695   14" butts, to 40' long   700   .091   28.50   5.40   3   36.90   43.50     1695   14" butts, to 40' long   700   .091   28.50   5.40   3   36.90   43.50     1690   8oot for pile tip, minimum   1 Pile   27   .296   Ea.   45.50   17.25   62.75   76.50     1800   Maximum   1 Pile   27   .296   Ea.   45.50   23.50   69   86     2000   Point for pile tip, minimum   8-46   35   1.371   57   71.50   1.44   129.94   173     2400   Maximum   20   2.400   74.50   125   2.52   20.202   276     2600   Concrete encasement with wire mesh and tube   331   .145   V.L.F.   74.50   7.55   .15   82.20   93.50		50' to 59' long, 13" butts, 7" points	1 + :		1 2	26.50			33.87	39
1600       ACZA treated piles, 2.5 lb, /C.F.         1610       8" butts, 10' long       B-19       400       .160       V.L.F.       7.75       9.50       5.25       22.50       29         1620       11' to 16' long       500       .128       7.75       7.60       4.21       19.56       24.50         1630       17' to 20' long       575       .111       7.75       6.60       3.66       18.01       22.50         1640       10" butts, 10' to 16' long       500       .128       22.50       7.60       4.21       34.31       41         1650       17' to 20' long       575       .111       22.50       6.60       3.66       32.76       39         1660       21' to 40' long       700       .091       22.50       5.40       3       30.90       36.50         1670       12" butts, 10' to 20' long       575       .111       28       6.60       3.66       38.26       44.50         1680       21' to 35' long       650       .098       28       5.85       3.24       37.09       43.50         1695       14' butts, to 40' long       700       .091       28.50       5.40       3       36.90       43		60' to 69' long, 13" butts, 6" points	B-19A			,				
1610			. > H	840	.076	25	4.51	3.58	33.09	38.50
1620										
1630   17' to 20' long		The state of the s	B-19							
1640       10" butts, 10' to 16' long         500   .128     22.50   7.60   4.21   34.31   41         1650       17' to 20' long         575   .111     22.50   6.60   3.66   32.76   39         1660       21' to 40' long         700   .091   22.50   5.40   3   30.90   36.50         1670       12" butts, 10' to 20' long       575   .111   28   6.60   3.66   38.26   44.50         1680       21' to 35' long       650   .098   28   5.85   3.24   37.09   43.50         1690       36' to 40' long       700   .091   28.50   5.40   3   36.90   43         1695       14" butts, to 40' long       700   .091   28.50   5.40   3   24.45   29         1700   Boot for pile tip, minimum       1 Pile   27   .296   Ea.   45.50   17.25   62.75   76.50         1800   Maximum       1   21   .381   36   22   158   185         2000   Point for pile tip, minimum       20   .400   45.50   23.50   69   86         2100   Maximum       8-46   35   1.371   57   71.50   1.44   129.94   173         2400   Maximum       20   2.400   74.50   125   2.52   202.02   276         2600   Concrete encasement with wire mesh and tube       331   .145   V.L.E.   74.50   7.55   .15   82.20   93.50		•	Track							
1650         17' to 20' long         575   .111         22.50         6.60         3.66         32.76         39           1660         21' to 40' long         700   .091         22.50         5.40         3         30.90         36.50           1670         12" butts, 10' to 20' long       575   .111         28         6.60         3.66         38.26         44.50           1680         21' to 35' long       650   .098         28         5.85         3.24         37.09         43.50           1690         36' to 40' long       700   .091         28.50         5.40         3         36.90         43           1695         14" butts, to 40' long       700   .091         16.05         5.40         3         24.45         29           1700         Boot for pile tip, minimum       1 Pile   27   .296   Ea.         45.50         17.25         62.75         76.50           1800         Maximum         21   .381         136         22         158         185           2000         Point for pile tip, minimum         20   .400         45.50         23.50         69         86           2100         Maximum         20   .400         74.50         1.55         1.44         129.9					1 1 1 1					
1660       21' to 40' long       700       .091       22.50       5.40       3       30.90       36.50         1670       12" butts, 10' to 20' long       575       .111       28       6.60       3.66       38.26       44.50         1680       21' to 35' long       650       .098       28       5.85       3.24       37.09       43.50         1690       36' to 40' long       700       .091       28.50       5.40       3       36.90       43         1695       14" butts, to 40' long       700       .091       16.05       5.40       3       24.45       29         1700       Boot for pile tip, minimum       1 Pile       27       .296       Eo.       45.50       17.25       62.75       76.50         1800       Maximum       20       .400       45.50       23.50       69       86         2000       Point for pile tip, minimum       20       .400       45.50       23.50       69       86         2300       Splice for piles over 50' long, minimum       8-46       35       1.371       57       71.50       1.44       129.94       173         2400       Maximum       20       2.400       74.		·								
1670       12" butts, 10' to 20' long       575       .111       28       6.60       3.66       38.26       44.50         1680       21' to 35' long       650       .098       28       5.85       3.24       37.09       43.50         1690       36' to 40' long       700       .091       28.50       5.40       3       36.90       43         1695       14" butts, to 40' long       700       .091       16.05       5.40       3       24.45       29         1700       Boot for pile tip, minimum       1 Pile       27       .296       Ea.       45.50       17.25       62.75       76.50         1800       Maximum       1 21       .381       1 36       22       158       185         2000       Point for pile tip, minimum       1 20       .400       45.50       23.50       69       86         2100       Maximum       1 5       .533       1 63       31       194       228         2300       Splice for piles over 50' long, minimum       8-46       35       1.371       57       71.50       1.44       129.94       173         2400       Maximum       20       2.400       74.50       75.5		,								
1680       21' to 35' long       650       .098       28       5.85       3.24       37.09       43.50         1690       36' to 40' long       700       .091       28.50       5.40       3       36.90       43         1695       14" butts, to 40' long       700       .091       16.05       5.40       3       24.45       29         1700   Boot for pile tip, minimum       1 Pile       27       .296       Ea.       45.50       17.25       62.75       76.50         1800   Maximum       1   21       .381       1   136       22       158       185         2000   Point for pile tip, minimum       20       .400       45.50       23.50       69       86         2100   Maximum       15       .533       163       31       194       228         2300   Splice for piles over 50' long, minimum       8-46       35       1.371       57       71.50       1.44       129.94       173         2400   Maximum       20       2.400       74.50       125       2.52       202.02       276         2600   Concrete encasement with wire mesh and tube       331       .145       V.L.E.       74.50       7.55       .15       82.20       93										
1690       36' to 40' long       700       .091       28.50       5.40       3       36.90       43         1695       14" butts, to 40' long       700       .091       16.05       5.40       3       24.45       29         1700       Boot for pile tip, minimum       1 Pile       27       .296       Ea.       45.50       17.25       62.75       76.50         1800       Maximum       1 21       .381       136       22       158       185         2000       Point for pile tip, minimum       1 20       .400       45.50       23.50       69       86         2100       Maximum       15       .533       163       31       194       228         2300       Splice for piles over 50' long, minimum       8-46       35       1.371       57       71.50       1.44       129.94       173         2400       Maximum       20       2.400       74.50       125       2.52       202.02       276         2600       Concrete encasement with wire mesh and tube       331       .145       V.L.E.       74.50       7.55       .15       82.20       93.50										
1695       14" butts, to 40' long       700       .091       16.05       5.40       3       24.45       29         1700   Boot for pile tip, minimum       1 Pile       27       .296       Ea.       45.50       17.25       62.75       76.50         1800   Maximum       1   20       .381       1   36       22       158       185         2000   Point for pile tip, minimum       1   20       .400       45.50       23.50       69       86         2100   Maximum       8-46       35       1.371       57       71.50       1.44       129.94       173         2400   Maximum       20       2.400       74.50       125       2.52       202.02       276         2600   Concrete encasement with wire mesh and tube       331       .145       V.L.E.       74.50       7.55       .15       82.20       93.50		•	* 1							
1700   Boot for pile tip, minimum         1 Pile   27   .296   Ea.   45.50   17.25   62.75   76.50         1800   Maximum           21   .381     136   22   158   185         2000   Point for pile tip, minimum           20   .400     45.50   23.50   69   86         2100   Maximum           15   .533     163   31   194   228         2300   Splice for piles over 50' long, minimum         8-46   35   1.371   57   71.50   1.44   129.94   173         2400   Maximum         20   2.400   74.50   125   2.52   202.02   276         2600   Concrete encasement with wire mesh and tube         331   .145   V.L.F.   74.50   7.55   .15   82.20   93.50										
1800       Maximum       [		14" butts, to 40' long	· •					3 ;		
2000   Point for pile tip, minimum         20   .400     45.50   23.50   69   86         2100   Maximum         15   .533     163   31   194   228         2300   Splice for piles over 50' long, minimum         8-46   35   1.371   57   71.50   1.44   129.94   173         2400   Maximum         20   2.400   74.50   125   2.52   202.02   276         2600   Concrete encasement with wire mesh and tube         331   .145   V.I.F.   74.50   7.55   .15   82.20   93.50		Boot for pile tip, minimum	1 Pile		1					
2100   Maximum       [										
2300     Splice for piles over 50' long, minimum     B-46     35     1.371     57     71.50     1.44     129.94     173       2400     Maximum     20     2.400     74.50     125     2.52     202.02     276       2600     Concrete encasement with wire mesh and tube     331     .145     V.I.E.     74.50     7.55     .15     82.20     93.50		Point for pile tip, minimum	Manage of the second							
2400       Maximum       20       2.400       74.50       125       2.52       202.02       276         2600       Concrete encasement with wire mesh and tube       331       .145       V.L.E.       74.50       7.55       .15       82.20       93.50										
2600 Concrete encasement with wire mesh and tube			B-46							
			1							
2700 Mobilization for 10 000 LE pile job add R-19 2300 019 115 64 1.79 2.45						74.50				
	2700	Mobilization for 10,000 L.F. pile job, add	B-19	3300	.019		1.15	.64	1.79	2.45
2800   25,000 L.F. pile job, add   "   8500   .008   \           .45   .25   .70   .95	2800	25,000 L.F. pile job, add	"	8500	.008		.45	.25	.70	.95