

State of California
Business, Transportation, and Housing Agency

Department of Transportation
Division of Construction

Labor Surcharge and Equipment Rental Rates

(Cost of Equipment Ownership)



Effective April 1, 2013 through March 31, 2014

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FOR DOUBLE-SIDED PRINTING

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**USER'S GUIDE
FOR LABOR SURCHARGE AND EQUIPMENT RENTAL RATES
April 1, 2013 - March 31, 2014**

Equipment Rental Rates are available on the Internet at:

<http://www.dot.ca.gov/hq/construc/equipmnt.html>

Miscellaneous Equipment Rental Rates are available on the Internet at:

<http://www.dot.ca.gov/hq/construc/misceqrr/index.htm>

The miscellaneous listing is updated daily.

Changes

Books are no longer available in hard copy and should be downloaded from the internet and printed.

Changes to the equipment rates in the April 1, 2013 book are the result of: 1) fuel costs increased; 2) interest rates decreased; 3) Producers' Price Index increased; 4) increase in sales tax; and 5) no change in freight (F.O.B.) rates.

Labor Surcharge

The labor surcharge compensates the contractor for statutory payroll items stipulated by various governmental agencies. The six items included are worker's compensation, social security, Medicare, Federal unemployment insurance, State unemployment insurance, and State training taxes. The general rate is an average of the job classifications common to Caltrans projects. Changes to the labor surcharge in the April 1, 2013 book were the result of a decrease in worker's compensation rates. The rates were derived from using the pure premium rate approved by the Insurance Commissioner effective January 1, 2013 and increasing it by the historical statewide average expense. In the calculation of the labor surcharge for overtime work, the worker's compensation is not included on the premium portion of overtime, as provided by worker's compensation regulations.

The surcharge percentage to be applied to the actual wages paid as provided in Section 9-1.04B [9-1.03A(1b)] of the *Standard Specifications* will **be 12 percent for regular time (RT) and 11 percent for overtime (OT).**

Exceptions to the general rate are listed below. These classifications were chosen because of high worker's compensation insurance costs. Forward questions, regarding worker's compensation rating and proper labor surcharge usage, to the rental rate personnel in the Division of Construction.

EXCEPTIONS

<u>Type of Work Performed</u>	<u>Labor Surcharge Percent</u>	
	RT	OT
Concrete Construction - Bridge	14	13
Drilling	14	13
Fence & Guardrail Construction	14	13
Erection of structural metal for metal bridges, excluding sign bridge	18	16
Landscape Gardener	12	11
Mobil Crane & Hoist Service	16	15
Painting Steel Structures or Bridges	18	16
Pile Driving, not including drilled, cast-in-place concrete piles	14	13
Sign Erection or Repair	19	17
Wrecking & Demolition	14	13

An appropriate labor surcharge will be established by the Division of Construction for work that is determined by the resident engineer to be covered by Longshoreman and Harbor Worker's Act.

Background

By the authority described in Section 9-1.04 [9-1.03A] of the *Standard Specifications*, compensation for work paid by force account is determined to be the total of the direct equipment costs (rental rate) plus a 15 percent markup for all overhead not included as direct costs. The direct costs include fuel, oil, lubrication, supplies, small tools, necessary attachments, repairs and maintenance, depreciation, storage, cost of facilities capital, overhaul and all incidentals. The labor costs required to provide the above listed items are also included. The operator cost is not included in the equipment rate.

The calculated rate represents the cost of owning and operating the equipment, which is likely to be lower than the rate charged by a rental yard. The rental yard rate may include additional overhead and profit as well as a premium for short-term rentals. In certain situations, factors are applied to the calculated rates to provide ownership-only rates for delay situations or operating-only rates for overtime situations. The rates are calculated using factors for the direct cost items described above. The factors represent an average and are applied to all makes and models of equipment within the class. **All rates are hourly, unless stated otherwise.**

Overtime and Multiple Shifts

Certain equipment costs are fixed on an annual basis, no matter how many hours are worked. Once an estimate of the costs and hours of use is made, a rate can be determined. When more than the estimated number of hours are worked (Overtime or Multiple Shift), a duplication of payment occurs on the fixed cost portion of the equipment rate.

In order to avoid this duplication, Caltrans uses a reduced rate for the Overtime or Multiple Shift situations. The definition of Overtime or Multiple Shift periods is:

Overtime hours occur after the equipment has worked at force account, eight hours per day (or after the daily equivalent of forty hours per week for special work schedules - 4/10 or 9/80). Multiple shift hours will be paid at the same rate as overtime hours.

The hours shown on the Daily Extra Work Bill will determine when the Overtime and Multiple Shift is to be used. **When the hours worked on force account are eight or less, straight time rates will be used.** When the hours worked on force account are more than eight, Overtime and Multiple Shifts rates will be used. Saturday, Sunday or holiday work will be paid at the overtime rate except in those cases where these days are considered working days in the special provisions.

Be advised the computed overtime rates are no longer rounded and now equal the product of the straight time rate and overtime factor. The Overtime and Multiple Shift Factors are recalculated annually to reflect changes in the operating costs.

Delays

As described in Section 8-1.07C [8-1.09] of the *Standard Specifications*, the Delay Factor may be applied to the equipment rental rate. The Delay Factor may be the basis for compensation for idle equipment time on an excusable delay. The factor has been calculated to include the ownership costs without including operating costs. The Delay Factor recovers all the contractor's non-operating costs in an eight hour day. If payment is made for equipment on an excusable delay, it is limited to eight hours per day or forty hours per week maximum.

The NONOP class for non-operated items and the TRAFc class for traffic safety devices have been separated from traditional "rolling stock" equipment when calculating the Delay Factor. These classes are comprised of items whose depreciable lives are related to the number of uses per year, rather than the number of hours per year. Accordingly, the reasonable compensation for the contractor's actual loss has been estimated to equal the cost of facilities capital. **It should be recognized that these items must be out of service before the Delay Factor is applied. For example, if work behind K-rail is delayed, the K-rail should be paid straight time until it is no longer controlling traffic.**

Any use of this factor must have the prior approval of the resident engineer. The Delay Factor is recalculated annually to reflect changes in the operating costs.

Use of Daily Extra Work Bill

Identification codes and rates are intended to be used with the Department's Internet change order billing system. The class is abbreviated using a 5 digit alpha-code, the make (manufacturer), a 4 digit alpha-code, and the code a 7 digit alpha-numeric code. All three codes must be used to define the equipment when using the automated pay system. Since the majority of items are described by per hour rates, each line has an entry for hours with an allowable maximum of 24. Special items with other than hourly rates should be appropriately checked and then entered in the Regular Hours column. For example, 50 Traffic Cones used 3 days (converts to 1.5, 100-cone-days) requires 1.5 be entered in the Regular Hours column. Note that any entry in the Delay Factor column will automatically apply the Delay Factor to every equipment entry on the current report.

Whenever an identification code cannot be found or the rate for a particular date of work performed is not available, updated information should be requested from the resident engineer. It is the resident engineer's responsibility to establish rates for equipment not found in the *Labor Surcharge and Equipment Rental Rates* publication. Support for this determination is available from both District and Headquarters Construction Offices. **Rates are regularly superseded during contract periods, so avoid the use of old publications or expired rates.**

The equipment is presented with a standard configuration capable of performing work commonly encountered on Caltrans projects. Special attachments or accessories are described under the classification heading in the *Labor Surcharge and Equipment Rental Rates* publication. Attachments other than those described by these remarks will be paid only upon direction of the resident engineer.

EQUIPMENT RENTAL RATE

NOTE--THE FOLLOWING RATES ARE IN EFFECT FROM APRIL 1, 2013 THROUGH MARCH 31, 2014

ATTACHMENTS

TRACTOR ATTACHMENTS -including power control units and accessories necessary to provide a functional attachment. Dozer blades are included in the standard configuration for both crawler and heavy, rubber tire tractors.

Rippers are listed from R1 to R8 and Winches for logging or towing are listed from S1 to S5. Equipment model groups are as follows:

1. Case 300 Thru 800 Series, Cat D-2 thru D-4, Deere 400 & 450, Dresser TD-7, TD-8 and TD-9, Fiat-Allis FD-5 Thru FD-7, Komatsu D21E Thru D37P, Liebherr PR711 & PR721.
2. Case 1150, Cat D-5, Deere 750, Dresser TD-12, Fiat-Allis FD9 & 10, Komatsu D58P, Liebherr PR731.
3. Case 1450 and 1550, Cat D-6, Deere 850, Dresser TD-15, Komatsu D63PE Thru D68P, Liebherr PR741.
4. Cat D-7 & 814, Dresser TD-20, Fiat-Allis 14 & FD14, Komatsu D83P, Terex 82-30
5. Cat D-8 & 824, Dresser TD-25, Fiat-Allis FD20 Komatsu D135A, Terex 82-40 Michigan 280, Raygo CHD 17 & CD-500.
6. Cat D-9 & 834, Fiat-Allis FD30, Raygo CHD 24 & CD 800.
7. Cat D-10, Dresser TD-40, Fiat-Allis FD40, Komatsu 375, Michigan 380, Raygo CDH 30.
8. Cat D-11, Fiat-Allis FD50, Komatsu 475

Model	Code	Rate
Clam action bucket 1 CY & Less	C1	\$3.68
Clam action Over 1 CY to 2 CY	C2	\$6.48
Clam action Over 2 CY to 3.5 CY	C3	\$9.38
Clam action Over 3.5 CY to 5 CY	C4	\$13.38
Clam action bucket Over 5 CY	C5	\$18.49
Ripper on No. 1 models	R1	\$2.21
Ripper on No. 2 models	R2	\$2.90
Ripper on No. 3 models	R3	\$4.83
Ripper on No. 4 models	R4	\$5.48
Ripper on No. 5 models	R5	\$9.00
Ripper on No. 6 models	R6	\$14.22
Ripper on No. 7 models	R7	\$16.49
Ripper on No. 8 models	R8	\$27.42
Winch on No. 1 models	S1	\$2.62
Winch on No. 2 models	S2	\$3.91
Winch on No. 3 models	S3	\$5.18
Winch on No. 4 models	S4	\$6.65
Winch on No. 5 models	S5	\$11.64
Lift gate	TG	\$0.76
Pump, water truck only	TP	\$5.19
Winch, truck	TW	\$0.28
Gas welding hose per 15.2 m (50 lf)	WH	\$0.02
Elec welding lead per 30.5 m (100 lf)	WL	\$0.16

AIR COMPRESSOR

[AIRCP]

DELAY FACTOR = 0.11

OVERTIME FACTOR = 0.90

All types of self contained units, regardless of power (gas, diesel and lpg) or type of compression (reciprocating, screw and vane). The listed rates include 15.2 meters (50 lineal feet) of hose, all hose whips, fittings, couplings and any compressor attachments. Listed in accordance with mfr's rated capacity in liters per second (cubic feet per minute) at 7 bar (100 psi).

PORTABLE

[PORT]

OVER	TO	Code	Rate
0	19 (40)	000-004	\$5.36
19 (40)	76 (160)	004-016	\$19.90
76 (160)	118 (250)	016-025	\$21.23
118 (250)	212 (450)	025-045	\$36.25
212 (450)	354 (750)	045-075	\$60.63
354 (750)	566 (1200)	075-120	\$87.25
566 (1200)	708 (1500)	120-150	\$114.26

AIR DRILLS, CRAWLER

[AIRDL]

DELAY FACTOR = 0.48

OVERTIME FACTOR = 0.57

All types, pneumatically propelled, including attachments. Expendable carbon drill steel, bits and shanks shall be paid by separate invoice. Rated in accordance with the cylinder bore diameter in millimeters(inches).

CRAWLER DRILLS

[CLR]

OVER	TO	Code	Rate
0	100 (4)	0-4	\$22.75
100 (4)	& Over	5	\$23.27

AIR TOOLS

[AIRTO]

DELAY FACTOR = 0.60

OVERTIME FACTOR = 0.42

All types including paving breakers, clay spades and diggers, sinker rock drills, trench diggers, sheeting/spike drivers, backfill tampers and hand held grinding tools. Expendable drill steel, bits and breakers points, grinding wheels and shanks shall be paid by separate invoice. Rated by tool weight in kilograms (pounds), determined in accordance with the mfr's specifications.

AIR TOOLS

[ATOL]

OVER	TO	Code	Rate
0	4.5 (10)	0-10	\$0.38
4.5 (10)	9.1 (20)	10-20	\$0.41
9.1 (20)	13.6 (30)	20-30	\$0.75
13.6 (30)	18.1 (40)	30-40	\$0.87
18.1 (40)	27.2 (60)	40-60	\$0.94
27.2 (60)	& Over	60	\$1.33

ASPHALT DIKE & SHOULDER PAVERS [ASDSP]

DELAY FACTOR = 0.11 OVERTIME FACTOR = 0.92

Includes all attachments, accessories and automatic grade and line control.

A.C. DIKE COMPANY [ACDC]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
No. 1	4050	\$81.87
No. 2	4052	\$63.95
Nos. 43, 44	4054	\$82.82

ASPHALT PAVING COMPANY [APCO]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
E-1	4000	\$108.02
E-2, E3	4002	\$193.64

BLAW-KNOX [B-K]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
RW-35 / 38	4075	\$74.75
RW-85	4077	\$40.85
RW-95	4079	\$65.38
RW-100	4081	\$109.07
RW-195D	4083	\$150.87

DELTA [DLTA]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
DC-1	4095	\$150.96

ASPHALT PAVERS [ASPAV]

DELAY FACTOR = 0.16 OVERTIME FACTOR = 0.88

Includes all attachments, accessories and automatic grade and line control.

BARBER-GREENE [B-G]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BG 220	0805	\$93.32
BG 225	0810	\$100.73
BG 240	0815	\$110.24
BG 245	0820	\$119.96
BG 260	0825	\$143.19
BG 260B	0826	\$181.56
BG 265	0830	\$160.44
RT 435, 4wd	0905	\$118.67
RT 445, 4wd	0925	\$114.23
RT 455, 4wd	0945	\$112.30
RT 455, 4wd, 10-20' screed	0955	\$116.02
RT 465, 4wd	0965	\$149.77
SA 125	1419E	\$89.43
SB 131	1420	\$110.60
SB 140	1425	\$137.71
SA 141	1430	\$95.20
SA 145	1432	\$117.51
SA 150	1435	\$149.19

SB 170 **1440** \$152.89

BLAW-KNOX [B-K]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
PF-22	1490	\$42.15
PF-35	1550	\$75.42
PF-115	1750	\$116.87
PF-120H	2010	\$108.31
PF-171	2090	\$162.77
PF-180	2100	\$74.93
PF-180H	2204	\$171.29
PF-200	2250	\$171.60
PF-200, 18' screed	2252	\$174.48
PF-220	2300	\$175.15
PF-400A	2350	\$151.28
PF-500	2404	\$189.85
PF-500, 18' screed	2406	\$192.93
PF-510, 18' screed	2407	\$199.12
PF-3172, 18' screed	2408	\$163.84
PF-3200	2410	\$221.90
PF-5510	2415	\$232.63

CATERPILLAR [CAT]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
AP-200	2420	\$47.79
AP-800	2430	\$118.94
AP-1050	2431	\$184.71
AP-1000	2435	\$181.27
AP-1000 4wd	2436	\$187.23
AP-1055B	2438	\$230.68
AP-1055D	2438D	\$284.29
AP-1200	2440	\$152.72

CEDAR RAPIDS [CEDR]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BSF-2H	2550	\$99.85
BSF-3R	2600	\$110.61
CR-351	2668A	\$155.44
CR-351 4wd	2668B	\$160.18
CR-361R (RUBBER TRACK)	2668R	\$189.28
CR-431	2669	\$131.28
CR-551	2670	\$209.30
CR-461	2672	\$207.18
CR-561	2674	\$219.20

LAYTON [LYTN]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
F-525	2680	\$23.78
D-550	2682	\$26.26
H-500B	2684	\$7.11

ASPHALT WINDROW PICKUP MACHINE [ASPWP]**DELAY FACTOR = 0.07 OVERTIME FACTOR = 0.95**

Includes all attachments and accessories.

ATHEY [ATHY]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
7-11	5000	\$100.74

BARBER-GREENE [B-G]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BG-610H	5100	\$69.01

CATERPILLAR [CAT]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
WE-601B	5200	\$77.74

CLARK'S WELDING COMPANY [CLAR]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
500	5300	\$59.25
601	5304	\$55.28
Lincoln 660	5305	\$104.50

C.M.I. [CMI]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
851	5405	\$98.31

AUGERS, CRAWLER MOUNTED [AUGCL]**DELAY FACTOR = 0.27 OVERTIME FACTOR = 0.76**

Includes carrier, attachments and accessories with up to 6.1 meters(20 feet) of auger flights. Consumable bits or tips to be paid by separate invoice.

BAYSHORE [BYSH]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
8400 TD limited access	1500	\$121.24

TEXOMA [TXMA]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TAURUS	2010	\$249.42
700CL	2100	\$141.30

WATSON [WATS]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2000CM	2500	\$110.14
2500CM	2505	\$169.27
3000CM	2510	\$192.04
3100CM	2515	\$199.01

AUGERS, HORIZONTAL [AUGHZ]**DELAY FACTOR = 0.25 OVERTIME FACTOR = 0.77**

Includes all attachments and accessories with up to 9.1 meters(30 feet) of auger flight, track and/or pipe pusher. Consumable bits or tips shall be paid by separate invoice. Power unit is included.

AKKERMAN [AKMN]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
360	5000	\$111.33
420 series 1250	5002	\$114.17

AMERICAN AUGER [AMAU]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
36-350	5014	\$31.27

BORZALL [BORZ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2300-10	5040	\$10.87
4265-10	5042	\$15.17

DITCH WITCH [D-W]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2510	5040	\$48.32

AUGERS, TRUCK MOUNTED [AUGTK]**DELAY FACTOR = 0.21 OVERTIME FACTOR = 0.81**

Includes truck/carrier, all attachments and accessories with up to 6.1 meters(20 feet) of auger flight. Consumable bits or tips shall be paid by separate invoice.

ATLANTIC [ATLN]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
LDH-80	5000	\$182.71
LDH-100	5005	\$154.26
LLDH-80	5010	\$196.16
LLDH-120	5015	\$208.98

CALWELD [CALW]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
150-A	5050	\$94.34
200	5052	\$116.43
4500LH	5054	\$201.35

HUGHES [HUGH]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
EZ 112	5070	\$65.81
EZ 120	5071	\$74.30
LDH-100	5072	\$119.76
LDH-80	5074	\$118.25
LLDH-120	5076	\$173.52
LLDH-80	5078	\$161.08

P.D.E.	[PDE]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
M -100	5084	\$48.97	
M-400 with hammer	5085	\$36.30	

TEXOMA	[TXMA]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
Economatic 115	5087	\$94.20	
Super Economatic	5089	\$96.28	
80	5090	\$139.81	
270	5093	\$94.84	
330	5095	\$100.03	
330 with hammer	5095B	\$115.45	
500 with hammer	5096B	\$117.27	
600	5097	\$122.67	
700	5099	\$191.67	

WATSON	[WATS]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
1000	6010	\$81.61	
2000	6012	\$156.65	
3000	6014	\$184.22	

BITUMINOUS DISTRIBUTORS [BITDT]

DELAY FACTOR = 0.12 OVERTIME FACTOR = 0.89
Includes all equipment for handling bituminous materials under pressure. Includes pumps, spray bars and other attachments and accessories.

TRAILER MOUNTED	[TLMD]		
Does not include towing unit. Capacity rated in liters (U.S. gallons).			
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	1136 (300)	0-300	\$7.06

TRUCK MOUNTED	[TRMD]		
Including truck. Capacity rated in liters (U.S. gallons).			
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	3028 (800)	00-08	\$64.75
3028 (800)	5299 (1400)	08-14	\$82.00
5299 (1400)	6831 (1800)	14-18	\$84.42
6831 (1800)	11355 (3000)	18-30	\$86.04
11355 (3000)	15140 (4000)	30-40	\$89.46

BROOMS & SWEEPING EQUIPMENT [BRMSW]

DELAY FACTOR = 0.13 OVERTIME FACTOR = 0.88
Includes all attachments and accessories with brooms of any type. Includes broom wear.

BROOMS - MOUNTED & TOWED	[MTTD]		
Includes traction, PTO or engine driven.			
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
ALL	ALL	\$30.96	

BROOMS - SELF PROPELLED	[SFPR]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
ALL	ALL	\$44.63	

SWEEPERS - SELF PROPELLED,	[SWSP]		
PICK UP			
Rated in accordance with hopper size in cubic meters (cubic yards).			
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	2.3 (3.0)	0-3	\$102.43
2.3 (3.0)	4.6 (6.0)	3-6	\$135.35
4.6 (6.0)	6.9 (9.0)	6-9	\$160.44

BRUSH CHIPPING & SHREDDING MACHINES [BRUCP]

DELAY FACTOR = 0.06 OVERTIME FACTOR = 0.94
Includes all attachments, accessories and power unit. Rated in accordance with the cutter head width in millimeters(inches)

BRUSH CHIP & SHRED	[BCSM]		
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	230 (9)	00-09	\$31.31
230 (9)	300 (12)	09-12	\$49.48
300 (12)	405 (16)	12-16	\$48.50

COMPACTORS, HAND GUIDED [COMHG]

DELAY FACTOR = 0.16 OVERTIME FACTOR = 0.85
Includes pan, vibrating plate, rammer and jumping jack type compactors(gas or diesel). Includes all attachments and accessories. Listed in accordance with the weight in kilograms(pounds)

COMPACTORS	[COMP]		
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	113 (250)	0-250	\$4.09
113 (250)	& Higher	250	\$9.49

CONCRETE MIXERS [CONMX]

DELAY FACTOR = 0.10 OVERTIME FACTOR = 0.91

STATIONARY OR PORTABLE	[SORP]		
Rated by Mfr's capacity in cubic meters (sacks or cubic feet).			
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	0.10 (3.5)	0-3.5	\$2.30
0.10 (3.5)	0.17 (6.0)	03.5-6	\$3.30
0.17 (6.0)	0.31 (11)	06-11	\$4.22
0.31 (11)	0.45 (16)	11-16	\$5.98

TRANSIT MIX	[TRMX]		
PTO type, including carrier. Rated by Mfr's capacity in cubic meters (cubic yards).			
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
6.4 (9)	7.6 (10)	09-10	\$152.09
7.6 (10)	9.2 (12)	10-12	\$154.46

CONCRETE PUMPS**[CONPM]****DELAY FACTOR = 0.17****OVERTIME FACTOR = 0.85**

Includes truck/carrier or self powered trailer mounted units. Including attachments, accessories and hoses.

ELBA**[ELBA]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
K-8020	1000	\$94.22

MAYCO**[MACO]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
C-30HD	1020	\$18.94
LST-30/60S	1024	\$32.01

SCHWING**[SHWG]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BPA-1000	1050	\$36.86
WP-1000X	1052	\$50.81
WP-1250X	1054	\$65.91
900-1200 w/28 m boom	1055	\$90.79
900-1200 w/32 m boom	1057	\$98.17
BPL 1200 w/36 m boom	1058	\$110.93

THOMSEN**[THOM]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
A-3.75 w/ mixer	1070	\$25.19
A-7	1072	\$22.52
11 pump w/28 m boom	1078	\$103.57
12 pump w/32 m boom	1082	\$110.76
14 pump w/36 m boom	1084	\$161.01

CONCRETE SLIPFORM PAVERS**[CONSF]****DELAY FACTOR = 0.18****OVERTIME FACTOR = 0.86**

Includes all attachments and accessories. Detached, independently powered finished bridges or spray/tyne machines are not included.

C.M.I.**[CMI]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
SF-250	2002	\$167.41
SF-350 series 2	2004	\$264.84
SF-550	2006	\$356.40

GOMACO**[GOMA]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
GP-2000	2020	\$170.07
GP-2500	2022	\$191.43
GP-3500	2024	\$270.97

CONCRETE VIBRATORS**[CONVB]****DELAY FACTOR = 0.28****OVERTIME FACTOR = 0.73**

Includes all attachments and accessories. Includes vibrator motor but independent power, whether air or electric, shall be paid as a separate item.

CONCRETE VIBRATORS**[CVIB]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Each Vibrating Head	EVHD	\$1.05

CURB EXTRUSION MACHINES**[CRBEX]****DELAY FACTOR = 0.20****OVERTIME FACTOR = 0.84**

Self propelled for asphalt or concrete curb and gutter section. Includes attachments, accessories and molds. Rated by Mfr's maximum width recommendations in millimeters (inches).

CURB EXTRUSION MACHINE**[CEM]**

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	460 (18)	0-18	\$31.38
460 (18)	& Over	18 PLUS	\$90.88

CONCRETE BARRIER SLIPFORM PAVERS**[CRBSF]****DELAY FACTOR = 0.19****OVERTIME FACTOR = 0.85**

Includes all attachments, accessories and barrier or curb molds.

C.M.I.**[CMI]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
SF-175	3000	\$123.33

CURBMASTER**[CURB]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
CMT-800	3020	\$75.93

GOMACO**[GOMA]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
GT-6000-(78&90)	3040	\$85.46
COMMANDER II	3045	\$97.05
COMMANDER III	3050	\$134.66

MILLER FORMLESS**[MILL]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
M-7500	3063	\$100.26
M-8100	3065	\$140.96
M-8800	3067	\$176.04

ELECTRIC GENERATORS & LIGHT PLANTS [ELGEN]

DELAY FACTOR = 0.10 OVERTIME FACTOR = 0.91

Rates are for gas or diesel power and alternating or direct current.

GENERATOR [GEN]

Rated in accordance with Mfr's output in kilowatts.

OVER	TO	Code	Rate
0	1	000-001	\$0.89
1	3	001-003	\$2.09
3	7.5	003-008	\$4.29
7.5	15	008-015	\$9.58
15	25	015-025	\$15.07
25	50	025-050	\$15.10
50	100	050-100	\$27.44
100	200	100-200	\$55.81
200	300	200-300	\$95.68
300	400	300-400	\$130.03
400	500	400-500	\$162.69

LIGHTS [LITE]

Includes trailer, pole and generator.

Model	Code	Rate
2 Light Set	2 LIGHT	\$4.13
4 Light Set	4 LIGHT	\$8.16

ELECTRIC POWERED HAND TOOLS [ELTOL]

DELAY FACTOR = 0.61 OVERTIME FACTOR = 0.42

Includes electric powered, hand held tools not listed elsewhere in this book. Expendable bits, blades, discs, wheels, etc. shall be paid by separate invoice. Rated in accordance with Mfr's suggested retail price.

TOOLS [TOOL]

OVER	TO	Code	Rate
450	600	045-060	\$0.27
600	800	060-080	\$0.35
800	1000	080-100	\$0.45

FORK LIFT TRUCKS [FKLFT]

DELAY FACTOR = 0.19 OVERTIME FACTOR = 0.83

Includes attachments and accessories. Listed in accordance with the Mfr's maximum rated capacity in kilograms(pounds).

FORK LIFT TRUCKS [FLT]

OVER	TO	Code	Rate
454 (1000)	1814 (4000)	010-040	\$29.56
1814 (4000)	2722 (6000)	040-060	\$39.39
2722 (6000)	3629 (8000)	060-080	\$44.36
3629 (8000)	5443 (12000)	080-120	\$61.90
5443 (12000)	7258 (16000)	120-160	\$64.44
7258 (1600)	9072 (20000)	160-200	\$75.35
9072 (20000)	11340 (25000)	200-250	\$74.03

11340 (25000)	13608 (30000)	250-300	\$82.00
13608 (30000)	18144 (40000)	300-400	\$103.44
18144 (40000)	22680 (50000)	400-500	\$122.50
22680 (50000)	34020 (75000)	500-750	\$166.02

GRADERS [GRADR]

DELAY FACTOR = 0.10 OVERTIME FACTOR = 0.91

Includes ripper and scarifier attachments and all accessories. Electronic blade control and specialty cutting tools shall be paid separately.

BLADE-MOR [BMOR]

Model	Code	Rate
727	2173	\$27.98
747	2178	\$40.07

CATERPILLAR [CAT]

Model	Code	Rate
120G 87V serial	2685	\$74.20
130G 74V serial	2695	\$82.04
12E 99E serial	2710	\$53.48
12F 73G serial	2768	\$81.06
12F 13K serial	2826	\$62.16
12F 89H serial	2884	\$62.64
12G 61M serial	2890	\$83.77
12H	2895	\$90.37
14E 72G serial	3174	\$83.27
14G	3180	\$124.78
14H	3185	\$137.43
140 14U serial	3250	\$84.28
140G 72V serial	3260	\$90.79
140H	3265	\$96.66
143H	3267	\$107.93
16 49G serial	3290	\$108.54
16 49G800 serial	3348	\$158.89
16 G93U serial	3360	\$173.45
16H	3380	\$183.12
160H	3385	\$113.83
163H	3390	\$119.34

JOHN DEERE [DEER]

Model	Code	Rate
JD-570A	3890	\$49.02
JD-570B	3892	\$56.54
JD-670	3900	\$64.32
JD-670A	3905	\$70.20
JD-670CH	3907	\$90.27
JD-770	3910	\$73.11
JD-770A, 770A-H	3915	\$85.19
JD-770B	3916	\$92.28
JD-772CH	3930	\$109.78

GALION**[GALN]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
A-400E	4940	\$68.85
T-400A	4980	\$66.26
T-500C	5150	\$76.84
T-500L	5204	\$76.78
T-500M	5210	\$79.00

KOMATSU**[KOMA]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
GD 505A-2	8980	\$71.92
GD 515A-1	8986	\$74.22
GD 605A-2	9000	\$79.45
GD 615A-1	9005	\$85.85
GD 625A-1C	9007	\$109.77
GD 655A-2	9010	\$88.45

HAMMERS, DEMOLITION & PILE**[HAMMR]****DELAY FACTOR = 0.21****OVERTIME FACTOR = 0.81**

Includes attachments, accessories and power unit. Does not include carrier.

ABI**[ABI]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
HVR-60	0100	\$39.97

AMERICAN PILE DRIVING**[APE]****EQUIPMENT**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
150	0010	\$170.41
180	0050	\$236.20
200/500	0060	\$262.46
300 VIBRO	0075	\$293.03
400B VIBRO	0085	\$469.78

ALLIED STEEL & TRACTOR**[AS&T]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
800	0300	\$58.26
HYRAM 720	0310	\$6.53
HYRAM 725	0320	\$12.66
HYRAM 730	0330	\$15.13
HYRAM 740	0340	\$21.65
HYRAM 750	0350	\$23.81
HYRAM 77	0360	\$9.71
HYRAM 770	0370	\$23.49
HYRAM 780	0380	\$38.83
HYRAM 790	0390	\$50.03
HYRAM 88	0400	\$16.20

DELMAG**[DELM]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
D-12	0500	\$25.09
D-16	0510	\$37.50
D-22	0520	\$59.63
D-30	0530	\$44.29
D-30-32	0540	\$64.38
D-36-32	0560	\$83.56
D46-32	0570	\$99.15
D62-22	0580	\$161.18
D100-13	0590	\$255.71

FOSTER**[FOST]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
1700	0600	\$145.77
4030	0630	\$204.16
FNV-1800	0660	\$120.27
FNV-4150	0693	\$261.36

HYDRAULIC POWER SYS**[HPSI]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
150	0420	\$102.17
260	0430	\$161.83
300	0440	\$194.23

I.C.E.**[ICE]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
44-50	0450	\$245.07
216	0460	\$87.89
416L	0470	\$146.35
812	0480	\$230.88

KENT**[KENT]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
KHB10G	0700	\$20.46
KHB 15G	0710	\$31.88
KHB 30G	0750	\$31.91
KHB 40G	0760	\$56.16

NPK**[NPK]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4XE	0795	\$17.94
6XA	0800	\$13.96
H-10XB	0810	\$38.91
H-12X	0815	\$39.02
H-16X	0820	\$33.66
H-20X	0840	\$36.88
H4X,HXA	0860	\$11.97
H7X	0880	\$14.81

OKADA**[OKAD]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
UB-5	0900	\$8.32
UB-8	0950	\$16.48

RAMMER**[RAMR]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
S-84	1000	\$33.10
S-86	1050	\$35.87

STANLEY**[STAN]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MB250	1100	\$6.72
MB2900	1120	\$25.16
MB4900	1140	\$44.56
MB550	1160	\$10.58
MB800	1180	\$15.60

TELEDYNE**[TELD]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
950X	1190	\$37.13
TB1025	1195	\$40.97
TB1425X	1200	\$36.66
TB2225X	1220	\$68.45
TB425	1240	\$15.12
TB825X	1260	\$25.89

TRAMAC**[TRMC]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BRH1100	1300	\$39.54
BRH125	1310	\$12.36
BRH250	1320	\$13.55
BRH400	1330	\$12.90
BRH620	1340	\$26.35
BRH750	1350	\$22.96
BRV950	1360	\$24.15

TUNKER**[TUNK]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
40.01	1400	\$179.28
40.05	1450	\$179.28
60.05	1460	\$160.33

VULCAN**[VULC]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
1	1500	\$27.38
010	1520	\$39.80
100C	1540	\$42.19
2300	1560	\$156.79
80C	1580	\$32.59

HYDRAULIC CRANES & EXCAVATORS, [HCECL] CRAWLER MOUNTED

DELAY FACTOR = 0.16**OVERTIME FACTOR = 0.85**

Includes all attachments and accessories required for lifting or digging.
Pavement breaker or compactor attachments are not included.

BANTAM**[BANT]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
C 266	0680	\$89.64
C 366	0690	\$103.58
C 744	1075	\$67.17

CASE**[CASE]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
9030B	0100B	\$86.90
9040	0110	\$102.36
9060B	0120B	\$201.65
40E E-Boom	1600	\$82.31
40E Y-Boom	1601	\$82.69
50E	1602	\$104.25
125B	1602H	\$83.49
170C	1602N	\$117.02
220B	1602R	\$148.97
880B Y-Boom	1609	\$58.85
980B	1615	\$91.07
1080	1615E	\$80.26
1080B	1615J	\$81.81
1280	1616	\$109.25
1280B	1616E	\$103.31

CATERPILLAR**[CAT]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
304 CR	0200	\$32.91
305C CR	0250	\$43.27
312	0300	\$52.99
312C	0300C	\$58.02
312CL	0300CL	\$58.91
314CL CR	0302CLR	\$64.44
315L	0305	\$64.01
320	0310	\$84.15
320BL	0312	\$88.34
320C	0312C	\$87.46
320CL	0312CL	\$95.93
320L	0315	\$85.54
321C LCR	0320R	\$115.72
322L	0325	\$104.70
325	0330	\$111.02
325BL	0335	\$120.67
325L	0340	\$115.50
328D LCR	0343DR	\$142.26
330BL	0345	\$152.34

330CL	0345CL	\$166.68	690E LC	1697ELC	\$84.03
330D L	0345DL	\$194.82	790	1698	\$88.79
330L	0350	\$146.33	790D	1698D	\$94.03
345BL	0355	\$204.22	790E LC	1698ELC	\$102.56
350L	0360	\$204.87	792	1699	\$104.88
375L	0365	\$325.58	890	1700	\$142.07
205	1617	\$36.04	890A	1705	\$128.83
211	1617E	\$54.26	892D LC	1708	\$119.72
213	1617H	\$59.64	990	1720	\$154.05
215	1618	\$59.83	992D LC	1722	\$172.68
215B LC	1619E	\$67.33	30	1725	\$21.46
215C	1619F	\$74.12	50	1730	\$34.31
215D	1619G	\$82.11	70	1735	\$31.24
225	1620	\$85.67	200LC	1745	\$93.15
225LC	1621	\$86.17	DROTT	[DROT]	
225D LC	1622	\$107.83	<u>Model</u>	<u>Code</u>	<u>Rate</u>
227	1623	\$89.10	35D E boom	1835	\$62.14
229	1625	\$116.02	35D Y boom	1845	\$62.54
231D	1630	\$132.20	40D E boom	1930	\$78.81
231DLC	1635	\$133.70	40D Y boom	1965	\$83.73
235	1640	\$135.79	50D	2005	\$101.92
235B	1642	\$150.94	FIAT-ALLIS	[F-A]	
235 Front Shovel	1645	\$145.17	<u>Model</u>	<u>Code</u>	<u>Rate</u>
235B Front Shovel	1647	\$161.56	FE 18	9000	\$55.42
235C	1648	\$172.09	FE 20 HD	9010	\$69.79
235DLC	1649	\$177.69	FE 20 LC	9020	\$66.11
245	1650	\$228.52	FE 28	9030	\$93.21
245B	1650B	\$252.03	FE 40 L	9040	\$158.98
245 Front Shovel	1652	\$239.81	GRADALL	[GRAD]	
245B Front Shovel	1652B	\$266.83	<u>Model</u>	<u>Code</u>	<u>Rate</u>
E 180	1653	\$72.24	G 660	0150	\$74.95
EL 180	1654	\$73.34	G 660B	0160	\$95.98
EL 200B	1654E	\$77.91	G 660C	0170	\$96.70
E 240	1655	\$92.70	G 880B	0210	\$102.54
EL 240	1656	\$94.11	G 880C	0215	\$97.82
E 300	1657	\$116.36	G 1000	0230	\$162.04
E 300B	1657B	\$129.09	XL4200	0260	\$94.45
EL 300	1658	\$118.19	XL5200	0280	\$113.16
EL 300B	1658B	\$131.06	HITACHI	[HIT]	
JOHN DEERE	[DEER]		<u>Model</u>	<u>Code</u>	<u>Rate</u>
<u>Model</u>	<u>Code</u>	<u>Rate</u>	UH 07LC	2630	\$72.60
225D LC	1575D	\$106.75	UH 062	2660	\$80.50
330C LC	1600C	\$158.55	UH 172	2695	\$142.89
450LC	1645	\$197.84	UH 122	2750	\$95.55
490	1660	\$44.49	EX 150	2797	\$65.38
490E	1660E	\$55.95	EX 200 LC	2800	\$80.70
690A	1685	\$63.46	EX 270 LC	2806	\$118.28
690B	1695	\$76.34	EX 300LC-2	2807	\$140.06
690C	1697	\$70.59			
690D	1697D	\$73.58			

EX 300LC-3	2807A	\$143.40	KOEHRING	[KOEH]	
EX 330LC-5	2807B	\$159.34	Model	Code	Rate
EX 370-5	2807F	\$164.83	366 post 1980	4752	\$121.14
EX 400 LC	2808	\$185.47	466E	4990	\$139.58
EX 450LC-5	2808K	\$217.34	566	5160	\$150.59
EX 550LC	2809	\$268.20	666, 666E	5225	\$190.78
EX 700	2810	\$320.19	866, 866E	5235	\$222.21
EX 750-5	2815	\$334.64	6611	6000	\$45.11
EX 1100	2880	\$418.34	6614	6005	\$55.34
HYUNDAI	[HYUN]		6612	6010	\$53.79
Model	Code	Rate	6620	6015	\$76.94
200LC	2950	\$80.92	6625	6020	\$93.55
210LC-3	2952C	\$83.98	6633	6029	\$133.50
280LC	2960	\$120.15	6644	6040	\$176.69
290LC	2970	\$124.80	KOMATSU	[KOMA]	
450LC	3010	\$186.36	Model	Code	Rate
INTERNATIONAL	[INTL]		PC 120-5	9485	\$57.21
Model	Code	Rate	PC 150-1	9490	\$51.83
630	4250	\$57.83	PC 150-3	9495	\$63.55
640 HD	4260	\$75.59	PC 200 LC-2	9500	\$64.68
650 HD	4280	\$84.44	PC 200-5	9504	\$83.46
KATO	[KATO]		PC 200 LC-3	9505	\$77.62
Model	Code	Rate	PC 200 LC-5	9506	\$84.45
HD450 VII	3050	\$54.63	PC 220 LC-2	9510	\$83.46
HD700 VII LC	3060	\$78.92	PC 220 LC-3	9515	\$96.34
HD1250 VII LC	3080	\$133.26	PC 220 LC-5	9516	\$103.85
KOBELCO	[KOBL]		PC 220 LC-6	9516F	\$110.61
Model	Code	Rate	PC 220 LC-7	9516G	\$116.21
SK200LC MARK III	4687	\$84.65	PC 280 LC-3	9517	\$108.90
K 903B	4688	\$40.06	PC 300 LC-1, LC-2	9520	\$107.97
K 904D	4693	\$43.21	PC 300 LC-3	9525	\$127.92
K 904E	4694	\$45.44	PC 300 LC-5	9526	\$144.36
K 904 Mark II	4694A	\$45.13	PC 300 LC-6	9526A	\$158.92
K 905	4695	\$48.79	PC 360 LC-3	9527	\$145.35
K 905A LC	4697	\$52.50	PC 400 LC-1	9530	\$146.00
K 907C	4700	\$70.20	PC 400 LC-3	9535	\$170.83
K 907D	4702	\$75.48	PC 400 LC-5	9536	\$190.15
K 907 LC	4704	\$76.19	PC 400 LC-6	9537	\$209.12
K 909A	4710	\$97.79	PC 600 LC-6	9539	\$292.10
K 909 LC	4711	\$100.24	PC 650-1	9540	\$266.45
K 912A	4712	\$115.91	PC 650-1 Front Shovel	9550	\$280.63
K 914	4715	\$137.93	PC 650-3	9552	\$281.27
K 916	4717	\$154.72	PC 750-6	9555	\$335.30
SK270LC MARK IV	4720	\$119.77	PC 1000-1	9560	\$424.50
SK400LC MARK IV	4725	\$201.92	PC 1000 LC-1	9565	\$436.55
			PC 1100 LC-6	9575LC	\$504.87

LINK-BELT

<u>Model</u>	<u>Code</u>	<u>Rate</u>
LS 1600	5390	\$34.39
LS 2650	5395	\$47.93
LS 2700C II	5398	\$64.36
2700 QUANTUM	5399	\$67.02
LS 2800	5400	\$56.42
LS 2800A	5402	\$64.40
LS 2800A PL	5404	\$56.14
LS 2800 PL	5405	\$53.41
LS 2800B	5410	\$70.87
LS 3400	5475	\$93.63
LS 3400C II	5477	\$99.37
LS 4300	5660	\$118.06
LS 4300C II	5662	\$129.99
LS 4800	5750	\$135.62
LS 4800 PL	5755	\$122.71
LS 5400	5805	\$158.30
LS 5800	5810	\$164.31
LS 5800A	5812	\$173.16
LS 5800C II	5814	\$180.84
LS 6400	5820	\$243.02
LS 7400	5830	\$243.94
LS 7400A	5840	\$294.39

MASSEY FERGUSON

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MF 450D	6245	\$46.38
MF 450S	6250	\$50.06

MITSUBISHI

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MS 090	6290	\$32.71
MS 180-3	6295	\$62.59
MS 180 LC-8	6296	\$70.86
MS 230 LC-3	6300	\$81.62
MS 240 LC-8	6305	\$88.27
MS 280-2	6310	\$100.03
MS 380-2	6320	\$139.97
MS 450-8	6330	\$162.17

NORTHWEST

<u>Model</u>	<u>Code</u>	<u>Rate</u>
35 DH	6335	\$127.97
45 DH	6340	\$138.79
55 DH	6345	\$146.52
55 DH Series II	6360	\$252.93

[L-B]**P&H**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
H 750	6628	\$60.65
H 1250	6630	\$102.57
H 1750	6635	\$126.27
H 2500	6645	\$162.26
HS 2500	6650	\$166.89

TAKEUCHI

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TB 15	7686	\$14.00
TB 025	7686A	\$23.80
TB 045	7686E	\$39.39
TB 070	7686H	\$37.59
TB 10S	7688	\$11.23
TB 35S	7690	\$22.44
TB 68S	7692	\$32.06
TB 800	7695	\$15.73

[TAKU]

HYDRAULIC CRANES & EXCAVATORS, [HCESP] SELF PROPELLED.

DELAY FACTOR = 0.13**OVERTIME FACTOR = 0.89**

Includes all attachments and accessories required for lifting or digging.
Pavement breaker or compactor attachments are not included.

BUCYRUS-ERIE

<u>Model</u>	<u>Code</u>	<u>Rate</u>
300C/SP	1670	\$73.86
320C	1672	\$74.04
360C	1678	\$74.37

BADGER

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4425/30	1565	\$98.92
4435	1570	\$109.86
4435B	1573	\$111.05
4435C	1573C	\$119.25
4445	1574	\$149.29
4450	1575	\$116.41
4450B	1577	\$122.68
4455	1579	\$149.99

CASE

<u>Model</u>	<u>Code</u>	<u>Rate</u>
40E E-Boom, Cruz Air	1685	\$63.19
40E Y-Boom, Cruz Air	1687	\$63.40
40F E-Boom, Cruz Air	1687H	\$65.38
40F Y-Boom, Cruz Air	1687K	\$66.20
45 E-Boom, Cruz Air	1688	\$81.92
45 Y-Boom, Cruz Air	1689	\$86.55
45B E-Boom, Cruz Air	1689H	\$86.47
45B Y-Boom, Cruz Air	1689K	\$87.18

[CASE]

880R E-Boom	1690	\$57.20	RT-635	4640	\$94.14
880R Y-Boom	1695	\$57.32	RT-65 S	4700	\$99.56
1085 E-Boom, Cruz Air	1696E	\$65.27	RT-740	4710	\$110.35
1085 Y-Boom, Cruz Air	1696Y	\$65.56	RT-745	4715	\$138.19
1085B Y-Boom, Cruz Air	1696Z	\$73.49	RT-75 S	4720	\$105.41
1285 E-Boom, Cruz Air	1697E	\$82.87	RT-755	4725	\$118.27
1285 Y-Boom, Cruz Air	1697Y	\$83.02	RT-760	4727	\$168.50
3330 Low Profile	1698E	\$33.73	RT-865	4730	\$145.81
3330B	1698H	\$33.97	RT-865B	4732	\$198.00
CATERPILLAR	[CAT]		RT-875	4735	\$179.21
<u>Model</u>	<u>Code</u>	<u>Rate</u>	RT-980	4750	\$173.76
206	1699	\$45.14	RT-990	4760	\$199.57
212	1699E	\$57.91	RT-9100	4790	\$252.44
214	1699H	\$62.60	KOMATSU	[KOMA]	
224	1699J	\$76.99	<u>Model</u>	<u>Code</u>	<u>Rate</u>
GRADALL	[GRAD]		PW 210-1	9580	\$103.41
<u>Model</u>	<u>Code</u>	<u>Rate</u>	LINK-BELT	[L-B]	
G 3WD, 4x4	0110	\$95.26	<u>Model</u>	<u>Code</u>	<u>Rate</u>
GROVE	[GROV]		HSP 15	5500	\$71.68
<u>Model</u>	<u>Code</u>	<u>Rate</u>	HSP 18	5505	\$71.68
24	3820	\$36.24	HSP 20	5510	\$77.55
36	3830	\$59.54	HSP 22	5530	\$78.93
68	3850	\$68.12	HSP 25	5535	\$83.63
1012	3870	\$80.95	HSP 8015	5538	\$81.88
2535	3880	\$106.82	HSP 8018	5538E	\$81.88
RT-48	4030	\$62.83	HSP 8018XL	5538G	\$99.84
RT-49	4115	\$63.11	HSP 8018C	5538H	\$74.17
RT-58	4285	\$64.32	HSP 8025	5538P	\$85.56
RT-418	4354	\$77.32	HSP 8025 S	5538PF	\$86.39
RT-420	4356	\$77.32	HSP 8030	5538Q	\$97.86
RT-422	4358	\$77.32	HSP 8035	5538R	\$141.88
RT-500D	4359	\$106.70	HSP 8040	5538S	\$142.01
RT-525	4360	\$73.32	HSP 8050	5538T	\$144.11
RT-525B	4362	\$76.14	HSP 8055	5538V	\$130.55
RT-525C	4363	\$92.84	HSP 8060	5539	\$157.42
RT-527.5	4365	\$74.15	LORAIN	[LORN]	
RT-528B	4370	\$76.14	<u>Model</u>	<u>Code</u>	<u>Rate</u>
RT-528C	4372	\$93.33	LRT 15H	5730	\$73.23
RT-60	4520	\$74.83	LRT 15U	5735	\$74.48
RT-60S	4540	\$76.71	LRT 18U	5740	\$74.92
RT-515	4606	\$73.20	LRT 35U	5745	\$109.02
RT-518	4607	\$75.09	LRT 40U	5750	\$109.70
RT-520	4608	\$76.57	LRT 150	5755	\$72.34
RT-522	4609	\$75.83	LRT 150D	5756	\$87.18
RT-522C	4609G	\$90.93	LRT 180	5760	\$72.31
RT-625	4630	\$82.35	LRT 180D	5760D	\$87.18
RT-630	4635	\$82.35	LRT 200	5765	\$72.16
RT-630B	4637	\$87.57	LRT 200D	5765D	\$87.34

LRT 220	5767	\$74.52
LRT 230	5768	\$78.45
LRT 230D	5768D	\$87.36
LRT 250	5769	\$78.48
LRT 250D	5769D	\$87.36
LRT 275	5770	\$78.48
LRT 275D	5770D	\$87.36
LRT 330	5772	\$101.76
LRT 400	5773	\$116.32
LRT 450	5774	\$119.41
LRT 500	5775	\$122.38
LRT 550	5790	\$127.54

P&H

[P&H]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
OMEGA 14	5790	\$68.33
OMEGA 15	5792	\$68.33
OMEGA 18	5794	\$68.75
OMEGA 25	5795	\$91.29
OMEGA 20	5796	\$69.42
OMEGA 23	5796E	\$72.11
OMEGA 30	5796J	\$93.66
OMEGA 35	5796P	\$94.61
OMEGA 40	5797	\$127.17
OMEGA 45	5797E	\$128.86
OMEGA 50	5797J	\$130.21
OMEGA 60	5798	\$135.32
OMEGA 65	5799	\$157.67
OMEGA 114	5799C	\$77.29
OMEGA 114D	5799G	\$75.37
OMEGA 118	5799Q	\$78.77
OMEGA 118D	5799S	\$75.51
OMEGA 120	5799U	\$80.38
OMEGA 120D	5799W	\$76.21
OMEGA 122	5799X	\$81.35
OMEGA 122D	5799Y	\$76.77
OMEGA 125	5799Z	\$81.72
OMEGA 128	5799ZA	\$80.19
R 150	5890	\$58.69
R 150-1	5910	\$58.21
R 180	5975	\$59.01
R 200	6060	\$59.33
OMEGA S-15	6062	\$94.06
OMEGA S-18	6063	\$94.06
OMEGA S-20	6064	\$96.57
S-35	6064E	\$133.16

PETTIBONE

[PET]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
16 MK P Series	6500	\$63.64
20 MK P Series	6580	\$64.26
25	6740	\$60.59
25 MK P Series	6750	\$65.03
29 MK P Series	6880	\$66.04
30	6900	\$60.59
30 MK P Series	6903	\$67.02
30 SC, 30 SC P Series	6910	\$94.11
60 SC	6990	\$99.98
60 SC P Series	6995	\$106.39
70	7100	\$105.63
70 SC	7165	\$106.19
70 SC P Series	7170	\$112.04
80 MK P Series	7250	\$104.02
80 SC P Series	7260	\$105.39

R.O. PRODUCTS

[ROP]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MC 5A	8005	\$39.04
MC 50B	8175	\$61.90
MC 50C	8260	\$63.22

HYDRAULIC CRANES & EXCAVATORS, [HCETD] TRUCK MTD. W/ CARRIER

DELAY FACTOR = 0.12

OVERTIME FACTOR = 0.90

Includes truck/carrier. Includes all attachment and accessories required for lifting or digging. Pavement breaker or compactor attachments are not included.

BUCYRUS-ERIE

[B-E]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
25 XC	1360	\$88.07
30 XC	1370	\$88.70
40 C	1475	\$80.53
60 XC	1590	\$142.32
65 C	1592	\$123.27
90 XC	1600	\$153.46

BADGER

[BAGR]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
300 Hydro-Scopic	0550	\$60.40
460 Hydro-Scopic	0555	\$73.85
666 Hydro-Scopic	0560	\$110.17
888 Hydro-Scopic	0600	\$115.70

BANTAM

[BANT]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
T 744 Teleskoop	1285	\$71.34
T 888	1310	\$104.66
T 888B	1315	\$122.37

DEVAULT

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TK 15-10	1900	\$43.85

GRADALL

<u>Model</u>	<u>Code</u>	<u>Rate</u>
G 3W	0120	\$74.53
G 660	0170	\$72.09
G 660B	0180	\$94.15
G 660C	0190	\$90.93
G 800	0210	\$63.60
G 880B	0220	\$102.27
G 880C	0230	\$98.57
G 1000	0240	\$107.75

GROVE

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TD 520	2221	\$110.48
TD 522	2223	\$110.48
TD 525	2224	\$111.37
TMS 250	2850	\$103.41
TMS 250A	2860	\$103.88
TMS 250B	2870	\$103.88
TMS 250C	2875	\$141.96
TMS 300	2922	\$123.50
TMS 300B	2923	\$140.56
TMS 760	3180	\$215.08
TMS 865	3378	\$161.20
TM 875	3380	\$185.63
TMS 875	3385	\$186.50
TM 890	3387	\$200.12
TM 1075	3390	\$167.61

HIAB

<u>Model</u>	<u>Code</u>	<u>Rate</u>
100 AW	3850	\$39.45
1165	3852	\$36.33
170 thru 174	3854	\$34.88
175 thru 177	3855	\$35.03
550, 5501	3857	\$37.87
650	3859	\$38.75

KOEHRING

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4460 Teleskoop	4400	\$72.29
4465 Teleskoop	4405	\$73.48
4470 Teleskoop	4410	\$85.27
4475 Teleskoop	4415	\$86.44

[DVUT]**[GRAD]****[GROV]****[HIAB]****[KOEH]****LINK-BELT**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
HTC 14	4505	\$101.01
HTC 25	4507	\$101.01
HTC 35	4509	\$110.63
HTC 50	4510	\$147.16
HTC 50W	4520	\$141.71
HTC 814	4530	\$131.61
HTC 814XL	4531	\$136.48
HTC 822 S	4532	\$123.65
HTC 825	4535	\$116.09
HTC 825 S	4536	\$124.69
HTC 830	4537	\$133.49
HTC 835	4539	\$140.64
HTC 835XL	4539C	\$158.86
HTC 840	4539E	\$162.25
HTC 850	4539G	\$167.24
HTC 855	4539H	\$148.28
HTC 860	4539J	\$169.91
HTC 1040	4540	\$160.14
HTC 1050	4545	\$162.19
HTC 1055	4550	\$151.89
HTC 1060	4555	\$166.72
HTC 11100	4600	\$293.16

LORAIN

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MCH 140	4942	\$118.38
MCH 150	4946	\$111.27
MCH 180	4947	\$111.27
MCH 300	4953	\$129.46
MCH 350	4955	\$102.85
MCH 400	4957	\$141.31
MCH 500	4960	\$111.80

MANITEX

<u>Model</u>	<u>Code</u>	<u>Rate</u>
1161	4980	\$42.55
1770	4985	\$74.30
2284	4990	\$77.00
2592	4995	\$78.88

NATIONAL

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Ser 4/400, 11.3 m (37') boom	4983	\$39.08
Ser 4/400, 14.0 m (46') boom	4984	\$39.27
Ser 4/400, 16.8 m (55') boom	4985	\$39.44
Ser 5/500A/B, 14.3 m (47') boom	4986	\$44.39
Ser 5/500A/B, 17.1 m (56') boom	4987	\$44.99
Ser 6/600, 14.3 m (47') boom	4989	\$43.92
Ser 6/600, 17.1 m (56') boom	4990	\$44.27

[L-B]**[LORN]****[MANX]****[NATL]**

856	4995	\$44.76
856B	4996	\$43.94
875	4997	\$45.49
875B	4998	\$46.87
Series 85	4999	\$40.79

P&H

[P&H]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
ALPHA 100 ton	5000	\$268.71
CN T-280	5005	\$147.52
T-150	5290	\$109.16
T-180	5380	\$109.59
T-200	5470	\$110.11
T-250	5560	\$128.08
CN T-250	5561	\$149.83
OMEGA T-250	5570	\$121.09
OMEGA T-300	5580	\$124.26
OMEGA T-350	5585	\$125.45
T-300A	5665	\$119.80
OMEGA T-400	5666M	\$146.07
OMEGA T-450	5669	\$147.75
T-600 XL	5670	\$172.09
OMEGA T-500	5680	\$147.73
OMEGA T-650	5745	\$200.65
T-750	5780	\$139.06

PITMAN

[PIT]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Hydralift HL 40 thru 95	6670	\$35.27
Hydralift HL 100 thru 170	6675	\$38.66
HL 857	6685	\$43.51
HL 1200, 1545-T2 or 1580	6695	\$45.82
POLECAT	6697	\$50.11
PELICAN	6699	\$52.90

R.O. PRODUCTS

[ROP]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TC-40	6860	\$36.20
TC-50	6862	\$37.75
TC-70	6864	\$39.09
TC-80	6866	\$39.14
TC-85	6868	\$38.68
TC-110	6870	\$42.82
TC-120	6872	\$43.44
TC-125	6874	\$43.08
TC-145	6876	\$45.95
TC-150	6878	\$44.37

HYDRAULIC CRANES & EXCAVATORS, [HCETG] TRUCK MTD. LESS CARRIER.

DELAY FACTOR = 0.09

OVERTIME FACTOR = 0.92

Includes all lifting and digging attachments and accessories. Truck/carrier to be paid separately. Pavement breaker or compactor attachments are not included.

BUCYRUS-ERIE

[B-E]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
H-3 series two	1000	\$44.00
H-5 series two	1300	\$51.62

GALION

[GALN]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
125 P	1970	\$53.81
150 P	1980	\$64.89

GROVE

[GROV]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TM 100C	2020	\$77.33
TM 200C	2040	\$61.18

HYDRAULIC PERSONNEL LIFTS & [HYLFT] AERIAL WORK PLATFORMS

DELAY FACTOR = 0.19

OVERTIME FACTOR = 0.83

Includes self propelled and power take off(PTO) units whether gas, diesel or electric. Rates for any truck or carrier mounted units shall pay for the truck separately. Reach is rated by Mfr's maximum extension in meters(feet).

BOOM TYPE

[BOOM]

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	7.6 (25)	00-24	\$16.23
7.6 (25)	15.2 (50)	25-49	\$36.77
15.2 (50)	22.9 (75)	50-74	\$49.30

SCISSOR TYPE

[SCIS]

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	6.1 (20)	00-20	\$17.40
6.4 (21)	9.1 (30)	21-30	\$20.54
9.4 (31)	15.2 (50)	31-50	\$30.45

LOADERS, CRAWLER**[LDRCL]****DELAY FACTOR = 0.11****OVERTIME FACTOR = 0.91**

Includes all attachments and accessories excluding clam-action buckets and backhoe(see attachment class).

CASE**[CASE]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
350B	2370	\$36.67
450B	2610	\$33.34
455B	2620	\$35.07
455C	2620A	\$39.20
1155D	3555	\$68.23
1155E	3556	\$73.46
1450	3560	\$75.45
1450B	3565	\$83.47
1455B	3568	\$84.35

CATERPILLAR**[CAT]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
931B	3735	\$37.72
931C	3735C	\$39.99
931 LGP	3740	\$35.59
931B LGP	3745	\$38.80
935B	3845	\$44.82
935C	3845C	\$47.52
939C	3900	\$60.95
943	4130	\$57.16
943 LGP	4135	\$54.08
951C 86J 1992 serial	4200	\$51.74
951C 86J 2598 serial	4210	\$57.00
951C LGP 86J 2598 ser	4215	\$57.82
953	4220	\$77.18
953 LGP	4230	\$72.34
955L 85J 6247 serial	4675	\$73.12
955L 85J 13X10129 ser	4680	\$78.82
955L LGP 85J 13X10129	4685	\$79.15
963	4690	\$106.45
963 LGP	4693	\$97.16
973	4695	\$157.39
973 LGP	4698	\$136.75
977K	5014	\$85.57
977K 11K serial	5092	\$89.78
977L 11K 3919 serial	5170	\$104.41
977L 11K 5083 serial	5180	\$113.39
977L 14X serial	5185	\$117.70
977L LGP	5190	\$117.37
983	5248	\$160.91
983B	5265	\$172.38

JOHN DEERE**[DEER]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD 350C	5420	\$38.83
JD 450C (4 speed PS)	5805	\$38.65
JD 455D	5807	\$40.63
JD 455E	5809	\$41.25
JD 455G	5809A	\$46.73
JD 555	5810	\$43.60
JD 555A	5812	\$48.11
JD 555B	5814	\$47.35
JD 555G	5814A	\$59.98
JD 655	5815	\$68.88
JD 655B	5817	\$79.12
JD 755	5820	\$65.02
JD 755A	5822	\$80.81
JD 755B	5824	\$91.35
JD 855	5830	\$122.41

DRESSER**[DRES]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
100E (PS)	9000	\$39.97
100G	9005	\$46.05
125E (PS)	9010	\$49.22
125G	9015	\$55.55
175C (PS)	9020	\$95.04
200	9025	\$113.01
250C (PS)	9030	\$115.89
250E (PS)	9035	\$133.36

KOMATSU**[KOMA]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
D 53S-16	7878	\$65.90
D 53S-17	7878A	\$78.36
D 55S-2	7900	\$67.99
D 55S-3	7978	\$67.99
D 57S-1	8000	\$90.88
D 65S-6	8017	\$89.20
D 66S-1	8020	\$122.00
D 75S-2	8056	\$96.88
D 75S-3	8060	\$120.14
D 75S-5	8061	\$160.68
D 155S-1	8080	\$233.45

LOADERS, RUBBER TIRE**[LDRRT]****DELAY FACTOR = 0.11****OVERTIME FACTOR = 0.90**

Includes all attachments and accessories. Clam-action buckets, 4WD and backhoes are excluded unless otherwise noted.

ALLIS-CHALMERS**[A-C]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
710C	0747	\$37.66
714B	0750	\$36.79
714C w/ backhoe	0752	\$39.22
715B w/ backhoe	0765	\$38.65
715C w/ backhoe	0767	\$39.47

CASE**[CASE]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
W-11	1365	\$34.98
W-11B	1368	\$42.71
W-18	1444	\$59.59
W-18 9213140 serial	1450	\$62.95
W-18B	1460	\$67.88
W-20	1472	\$63.07
W-20B	1480	\$63.83
W-20C	1482	\$68.65
W-30	1565	\$94.19
480B	1636	\$30.26
480B w/ backhoe	1640	\$31.52
480C	1650	\$39.00
480C w/ backhoe	1660	\$40.51
480D	1662	\$43.60
480D w/ backhoe	1664	\$45.48
480E w/ backhoe	1666	\$37.14
480E LL	1667	\$35.97
480F w/ backhoe	1668	\$38.39
480F LL	1669	\$36.69
480LL	1677	\$43.65
570L XT 4WD	1690	\$42.04
580B w/ backhoe	1705	\$39.59
580C	1710	\$31.38
580C w/ backhoe	1715	\$33.22
580D	1717	\$32.68
580D w/ backhoe	1720	\$35.09
580 Super D	1725	\$35.67
580 Super D w/ backhoe	1727	\$38.13
580 Super E	1731	\$36.73
580 Super E w/ backhoe	1735	\$39.38
580K w/ backhoe	1739	\$39.66
580K 4WD w/ backhoe	1740	\$40.71
580 Super K w/ backhoe	1742	\$43.84
580L w/ backhoe	1743	\$44.09
580 Super L 4WD w/ backhoe	1744	\$51.15

590 Turbo w/ backhoe	1745	\$53.60
590 Super L 4WD w/ backhoe	1746	\$55.93
621	1750	\$72.33
721	1752	\$87.83
821	1754	\$107.37
680E w/ backhoe	1840	\$50.33
680G w/ backhoe	1850	\$49.03
680H w/ backhoe	1852	\$51.82
680K w/ backhoe	1854	\$56.67
680L w/ backhoe	1856	\$57.37
680L 4WD w/ backhoe	1857	\$58.14
780 w/ backhoe	1864	\$64.77
780B w/ backhoe	1866	\$69.21
780C w/ backhoe	1867	\$70.39
780D w/ backhoe	1868	\$71.12
780D 4WD w/ backhoe	1869	\$72.46

CATERPILLAR**[CAT]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
416 w/ backhoe	1860	\$39.59
416 Series II w/ backhoe	1860A	\$39.80
416B 4WD w/ extend-a-hoe	1861A	\$48.90
416C 4WD w/ backhoe	1861C	\$50.61
416D w/ backhoe	1861D	\$45.94
416D 4WD w/ backhoe	1861D4	\$47.00
420D w/ backhoe	1861M	\$51.56
420D 4WD w/ backhoe	1861M4	\$52.62
426 w/ backhoe	1862	\$44.74
426 Series II w/ backhoe	1862A	\$44.96
426C w/ backhoe	1862C	\$55.87
426C 4WD w/ backhoe	1862C4	\$57.24
428 w/ backhoe	1864	\$44.71
428 Series II w/ backhoe	1864A	\$44.94
430D	1865D	\$62.13
430E	1865E	\$65.31
436 w/ backhoe	1866	\$48.78
436 Series II w/ backhoe	1866A	\$48.96
446 w/ backhoe	1868	\$62.90
446B w/ backhoe	1868B	\$69.36
446D	1868D	\$71.22
450E	1869E	\$85.87
910	1870	\$42.15
910E	1870E	\$49.53
916	1885	\$56.12
920	1894	\$51.47
926	2065	\$66.09
926E	2067	\$71.30
928G	2070G	\$85.05
930 41K serial	2088	\$63.15
930G	2088G	\$100.08
936	2100	\$80.05

936E	2110	\$87.20	JOHN DEERE	[DEER]	
936F	2120	\$90.59	Model	Code	Rate
938F	2130	\$92.34	JD-210C	2485	\$33.65
938G	2130G	\$104.49	JD-210C w/ backhoe	2490	\$33.53
950 90A serial	2228	\$68.75	JD-210LE	2495	\$44.04
950 31K & 81J serial	2270	\$81.55	JD-310A w/ backhoe	2504	\$35.17
950B	2272	\$100.06	JD-310B w/ backhoe	2506	\$35.85
950E	2300	\$106.17	JD-310C w/ backhoe	2507	\$39.55
950F	2301	\$111.88	JD-310D w/ backhoe	2507D	\$44.36
950F Series II	2303	\$115.49	JD-310E w/ backhoe	2507E	\$45.37
950G	2310	\$123.96	JD-310SE w/ backhoe	2507F	\$50.83
950H	2310H	\$142.00	310G	2507G	\$46.57
962G	2320G	\$135.77	JD-315SE w/ backhoe	2507H	\$51.45
966C	2340	\$118.11	JD-410 w/ backhoe	2508	\$38.38
966D	2350	\$131.09	JD-410B w/ backhoe	2509	\$39.07
966E	2360	\$144.48	JD-410C w/ backhoe	2509F	\$45.99
966F	2361	\$147.60	JD-410D w/ backhoe	2509G	\$54.50
966G	2362	\$165.17	JD-410E w/ backhoe	2509H	\$57.27
966H	2362H	\$190.13	410G	2509J	\$58.53
970F	2370	\$172.93	JD-444	2510	\$51.18
972G	2372G	\$184.35	JD-444C	2515	\$53.13
980B	2376	\$152.62	JD-444D	2520	\$54.88
980C	2378	\$183.78	JD-444E	2521	\$59.44
980F	2381	\$189.24	JD-500C w/ backhoe	2592	\$49.80
980G	2382	\$208.43	JD-510 w/ backhoe	2620	\$46.46
980H	2382H	\$226.03	JD-510B w/ backhoe	2625	\$44.42
988 87A6868 serial	2398	\$187.00	JD-510C w/ backhoe	2630	\$52.50
988B 50W serial	2436	\$262.88	JD-510D w/ backhoe	2630D	\$61.85
992B 25K serial	2460	\$331.77	JD-544B	2660	\$63.41
992C	2470	\$500.76	JD-544C	2670	\$65.00
IT 12	2472	\$42.90	JD-544D	2672	\$63.92
IT 12B	2472B	\$49.93	JD-544E	2673	\$70.64
IT 14F	2473	\$57.77	JD-544G	2673B	\$77.51
IT 18	2474	\$54.91	JD-610B w/ backhoe	2690	\$50.79
IT 18B	2475	\$62.03	JD-610C w/ backhoe	2691	\$58.07
IT 28	2476	\$66.55	JD-624E	2700	\$84.44
IT 28B	2477	\$72.00	JD-624G	2700G	\$95.18
IT 28F	2477G	\$83.28	JD-624H	2700H	\$104.30
IT 28G	2478	\$86.42	JD-644B	2710	\$87.66
IT 38G	2480	\$99.60	JD-644C	2715	\$90.52
IT 62G	2482	\$137.03	JD-644D	2717	\$93.80
CLARK	[CLRK]		JD-644E	2719	\$101.05
Model	Code	Rate	JD-644G	2719B	\$114.22
35C	2484	\$52.71	JD-644H	2719H	\$122.29
45C	2486	\$61.59	644J	2719J	\$133.87
55C	2488	\$74.46	JD-710B w/ backhoe	2720	\$65.10
75C	2491	\$97.01	JD-710C w/ backhoe	2721	\$72.23
125B	2492	\$125.54	JD-710D w/ backhoe	2722	\$78.09
275B	2496	\$217.72	JD-710D 4WD w/ backhoe	2722D	\$79.99
275C	2497	\$235.93	710G	2722G	\$82.65

JD-744H	2723	\$166.16	INTERNATIONAL	[INTL]	
744J	2723J	\$193.56	<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD-844	2725	\$161.72	260A	2260	\$38.99
DRESSER	[DRES]		260A w/ backhoe	2270	\$40.62
<u>Model</u>	<u>Code</u>	<u>Rate</u>	270A w/ backhoe	2280	\$44.75
510B	2310	\$49.66	280A w/ backhoe	2285	\$54.71
510C	2310C	\$66.12	J C B	[JCB]	
515B	3517	\$64.57	<u>Model</u>	<u>Code</u>	<u>Rate</u>
515C	3517C	\$78.11	214S w/ backhoe	4430	\$53.30
520B	3519	\$74.58	215S w/ backhoe	4435	\$58.48
520C	3519C	\$93.03	217S w/ backhoe	4440	\$61.73
530	3520	\$104.34	3C 1550 2WD w/ hoe	4448	\$38.13
530C	3520C	\$112.90	3D 1700 4WD w/ hoe	4450	\$50.78
540	3530	\$142.23	1400B w/ backhoe	4455	\$43.19
550	3540	\$142.50	1550B w/ backhoe	4457	\$49.44
FIAT-ALLIS	[F-A]		1600B w/ backhoe	4458	\$56.85
<u>Model</u>	<u>Code</u>	<u>Rate</u>	1700B w/ backhoe	4459	\$57.88
545B	3042	\$61.15	KAWASAKI	[KAWA]	
745C	3046	\$120.09	<u>Model</u>	<u>Code</u>	<u>Rate</u>
FR 10	3049H	\$64.46	60Z IV	4300	\$72.68
FR 10B	3049I	\$69.91	65Z IV	4310	\$81.16
FR 20	3050	\$135.12	KSS 80Z II	4330	\$104.88
FR 30	3051	\$176.27	80Z III	4335	\$121.15
FR 20B	3051B	\$149.83	80Z IV	4340	\$123.17
FR 35	3052	\$233.38	85Z IV	4345	\$154.88
FORD	[FORD]		90Z III	4350	\$171.68
<u>Model</u>	<u>Code</u>	<u>Rate</u>	90Z IV	4355	\$175.69
545C	3054	\$36.26	95Z IV-2	4360	\$224.72
650 w/ backhoe	3056	\$40.18	KOMATSU	[KOMA]	
655A w/ backhoe	3056F	\$44.52	<u>Model</u>	<u>Code</u>	<u>Rate</u>
655C w/ backhoe	3056G	\$48.64	W 120-3	4520	\$122.99
750 w/ backhoe	3057	\$52.35	W 180-1	4525	\$174.12
755 w/ backhoe	3061	\$55.43	WA 200-1	4536	\$69.21
755B w/ backhoe	3063	\$62.99	WA 250-1	4537	\$94.53
755A w/ backhoe	3065	\$61.63	WA 300-1	4538	\$90.45
A-62	3114	\$54.25	WA 320-1	4539	\$110.49
A-64	3116	\$65.85	WA 350-1	4540	\$106.45
A-66	3118	\$85.62	WA 380-1	4541	\$131.54
FURUKAWA	[FURU]		WA 380-3	4541C	\$131.15
<u>Model</u>	<u>Code</u>	<u>Rate</u>	WA 400-1	4542	\$127.11
FL 320A	3120M	\$121.49	WA 420-3	4543C	\$150.64
FL 330	3120S	\$132.44	WA 450-1	4544	\$157.51
HOUGH	[HOUG]		WA 450-2	4544B	\$177.22
<u>Model</u>	<u>Code</u>	<u>Rate</u>	WA 450-3	4544C	\$179.51
H65C	3578	\$84.90	WA 470-1	4545	\$173.02
H-90E	3884	\$146.11	WA 500-1	4546	\$207.75
H-100C	3954	\$172.31	WA 600-1	4550	\$305.92
			WB 140-2 4WD	4700	\$55.87

WB 150-2 4WD 4710 \$64.33

MASSEY FERGUSON [M-F]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MF 44C	5143	\$66.06
MF 50H Series S	5150	\$39.22
MF 50H Series S, 4WD	5152	\$39.89
MF 50HX Series S	5154	\$42.33
MF 50HX Series S, 4WD	5156	\$43.18
MF 55C	5170	\$84.74
MF 60 w/ backhoe	5171	\$41.26
MF 60H Series S w/ hoe	5172	\$44.55
MF 66C	5174	\$108.03
MF 80 w/ backhoe	5182	\$59.08
MF 88	5184	\$171.53
640	6000	\$39.34
650	6010	\$42.17

NEW HOLLAND [NHND]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
545D	0100	\$37.65
575E w/ backhoe	0110	\$52.81
655D w/ backhoe	0120	\$47.42
655E w/ backhoe	0130	\$56.71
675D 4WD w/ backhoe	0140	\$54.72
675E 4WD w/ backhoe	0150	\$64.81

TEREX [TERX]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
70C	7938	\$153.37
72-61	8036	\$188.52
72-71B	8055	\$245.22
72-81	8080	\$288.60

VOLVO-MICHIGAN-EUCLID [VME]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
175B	6186	\$156.17
175C	6186C	\$177.20
275B	6330	\$198.62
275C	6330C	\$235.93
L-70C	9570C	\$79.59
L-90	9575	\$95.34
L-120	9595	\$123.86
L-120C	9595C	\$128.58
L-150C	9598C	\$159.82
L-160	9600	\$166.31
L-180C	9602C	\$179.37
L-190	9605	\$193.16

LEADS, PILE DRIVING

[LEADS]

DELAY FACTOR = 0.45

OVERTIME FACTOR = 0.60

FIXED

[FIXD]

Includes headblock, taper top, tip sled and connector, foot yoke, foot yoke sheave, intermediate flights, and all attachments and accessories. Rated in accordance with height of the lead measured in meters (linear feet)

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	16.8 (55) (w/o spotter)	0100	\$17.47
16.8 (55)	32.0 (105) (w/o spotter)	0200	\$22.28
over	32.0 (105) (w/o spotter)	0300	\$27.92
0	16.8 (55) (w/ spotter)	1100	\$29.51
16.8 (55)	32.0 (105) (w/ spotter)	1200	\$35.24
over	32.0 (105) (w/ spotter)	1300	\$41.79

SWINGING

[SWNG]

Includes headblock, taper top, tip sled and connector, foot yoke, foot yoke sheave, intermediate flights, and all attachments and accessories. Rated in accordance with the height of the lead measured in meters (linear feet).

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	16.8 (55) (w/o spotter)	0400	\$11.58
16.8 (55)	32.0 (105) (w/o spotter)	0500	\$16.14
over	32.0 (105) (w/o spotter)	0600	\$21.78
0	16.8 (55) (w/ spotter)	1400	\$23.62
16.8 (55)	32.0 (105) (w/ spotter)	1500	\$29.09
over	32.0 (105) (w/ spotter)	1600	\$35.65

NON-OPERATED EQUIPMENT (DAILY RATES)

[NONOP]

DELAY FACTOR = 0.54

OVERTIME FACTOR = 1.00

Note various units for different items. The following allowance is entered on the extra work bill by using the (unit listed x number of days) in the hours worked column. The following list is limited to items with long estimated lives. Additional traffic related items such as cones and barricades, are still listed under TRAFIC in this publication. Other non-operated items with short estimated lives should be treated as materials and should not be "rented". Non rented items are 1) intended to be job specific (amortized over the life of the project) and 2) have an estimated life measured by number of uses rather than a length of time.

MISCELLANEOUS

[MISC]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Casing, 450 mm dia, per 0.3 m (Casing, 18" dia, per lf)	0120	\$0.03
Casing, 650 mm dia, per 0.3 m (Casing, 26" dia, per lf)	0130	\$0.05
Casing, 900 mm dia, per 0.3 m (Casing, 36" dia, per lf)	0140	\$0.07
Casing, 1800 mm dia, per 0.3 m (Casing, 72" dia, per lf)	0150	\$0.17
Casing, 2400 mm dia, per 0.3 m (Casing, 96" dia, per lf)	0160	\$0.22
Casing, 2700 mm dia, per 0.3 m (Casing, 108" dia, per lf)	0170	\$0.25
Casing, 3000 mm dia, per 0.3 m (Casing, 120" dia, per lf)	0180	\$0.33

Pile, all depths "H" pile, per 45.0 kg (Pile, all depths "H" pile, per hundred-weight)	0190	\$0.03	Shoring, 2.4 m deep x 4.6 m wide, per 3.0 m (Shoring, 8' deepx15' wide trench box, per 10')	0550	\$8.14
Pipe, 250-300 mm dia, per 0.3 m (Pipe, 10-12" dia, per lf)	0200	\$0.02	Shoring, 2.4 m deep x 2.4 m max width, per 7.3 m(8' deep x 8' max width trench box, per 24')	0560	\$15.99
Plate, 22 mm thick, per 9.3 sm (Plate, 7/8" thick, per 100 sf)	0210	\$1.06	Shoring, 3.0 m deep x 2.4 m max box, per 4.9 m (Shoring, 10' deepx8' max trench box, per 16')	0570	\$14.37
Plate, 25 mm thick, per 9.3 sm (Plate, 1" thick, per 100 sf)	0220	\$1.20	Shoring, 3.0 m deep x 2.4 m max box, per 7.3 m (Shoring, 10' deepx8' max trench box, per 24')	0580	\$19.96
Plate, 38 mm thick, per 9.3 sm (Plate, 1.5" thick, per 100 sf)	0230	\$1.81	Wood, 50 mm x255 mm, per 30.5 m (Wood, 2"x10", per 100 lf)	0605	\$0.13
SCAFFOLDING, SHORING, [SSFW]			Wood, 50 mm x305 mm, per 30.5 m (Wood, 2"x12", per 100 lf)	0610	\$0.17
FALSEWORK			Wood, 100mm x100mm, per 30.5 m (Wood, 4"x4", per 100 lf)	0615	\$0.11
<u>Model</u>	<u>Code</u>	<u>Rate</u>	Wood, 100 mm x150 mm, per 30.5 m (Wood, 4"x6", per 100 lf)	0620	\$0.16
Metal form, 1.8 m x3.0 m, per 14.6 m (Metal form, 6x10 box culvert, per 48 lf)	0310	\$36.86	Wood, 100 mm x205 mm, per 30.5 m (Wood, 4"x8", per 100 lf)	0625	\$0.23
Metal form, 2.4 m x3.7 m, per 15.2 m (Metal form, 8x12 box culvert, per 50 lf)	0320	\$40.85	Wood, 100 mm x305 mm, per 30.5 m (Wood, 4"x12", per 100 lf)	0630	\$0.35
Metal form, 2.1 m x4.3 m, per 15.2 m (Metal form, 7x14 box culvert, per 50 lf)	0330	\$44.89	Wood, 150 mm x305 mm, per 30.5 m (Wood, 6"x12", per 100 lf)	0635	\$0.58
Metal form, type 25 barrier, per 3.0 m (Metal form, type 25 barrier, per 10 lf)	0340	\$2.25	Wood, 150 mm x455 mm, per 30.5 m (Wood, 6"x18", per 100 lf)	0640	\$0.93
Metal form, type 26 barrier, per 3.0 m (Metal form, type 26 barrier, per 10 lf)	0350	\$2.38	Wood, 205 mm x405 mm, per 30.5 m (Wood, 8"x16", per 100 lf)	0645	\$1.14
Metal form, type 27 barrier, per 3.0 m (Metal form, type 27 barrier, per 10 lf)	0360	\$2.05	Wood, 305 mm x455 mm, per 30.5 m (Wood, 8"x18", per 100 lf)	0650	\$1.29
Metal form, type 50 barrier, per 3.0 m (Metal form, type 50 barrier, per 10 lf)	0370	\$2.22	Wood, 305 mm x305 mm, per 30.5 m (Wood, 12"x12", per 100 lf)	0655	\$1.11
Metal form, 1.8 m x 3.7 m girder panel, per 0.1 sm (6x12 girder panel, per sf)	0380	\$0.16	Wood form, type 27 barrier, per 2.4 m (Wood form, type 27 barrier, per 8 lf)	0660	\$0.24
Metal form, all heights paving, per 3.0 m (Metal form, all heights paving, per 10 lf)	0390	\$0.04	Wide flange beam, all depths, per 45 kg (Wide flange beam, all depths, per hundred wt.)	0670	\$0.03
Scaffolding, 1.5 m section, per section (Scaffolding, 5' section, per section)	0410	\$0.46	TANK [TANK]		
Scaffolding, 3.0 m section, per section (Scaffolding, 10' section, per section)	0420	\$1.04	<u>Model</u>	<u>Code</u>	<u>Rate</u>
Scaffolding, 4.6 m section, per section (Scaffolding, 15' section, per section)	0430	\$1.36	Tank, metal, 0-2270 liters (0-600 gallons)	0710	\$0.63
Scaffolding, bottom/top section, per 1.5 m section (per 5 ft section)	0440	\$0.64	Tank, metal, 2270-4540 liters (600-1200 gal)	0720	\$0.85
Scaffolding, 2.1 m high, rolling (Scaffolding, 7' high, rolling)	0450	\$0.97	Tank, metal, 4540-9840 liters (1200-2600 gal)	0730	\$2.12
Scaffolding, spider staging, plus air compressor	0460	\$20.46	Tank, metal, 22 710 liters (6000 gallons)	0740	\$4.27
Shoring, 1.1 m deep x 2235 mm wide, per section (Shoring,3.5' deep x 88" wide trench, per section)	0510	\$1.06	Tank, metal, 28 390 liters (7500 gallons)	0750	\$5.35
Shoring, 1.2 m deep x 3.7 m wide box, per 7.3 m (Shoring, 4' deepx12' wide trench box, per 24')	0515	\$9.83	Tank, metal, 30 280 liters (8000 gallons)	0760	\$5.66
Shoring, 1.5 m deep x 2235 mm wide, per section (Shoring, 5' deep x 88" wide trench, per section)	0520	\$1.11	Tank, metal, 37 850 liters (10000 gallons)	0770	\$6.28
Shoring, 2.1 m deep x 1397 mm wide, per section (Shoring, 7' deep x 55" wide trench, per section)	0530	\$0.98	TRAFFIC SAFETY [TRAF]		
Shoring, 2.1 m deep x 2235 mm wide, per section (Shoring, 7' deepx88" wide trench, per section)	0540	\$1.17	<u>Model</u>	<u>Code</u>	<u>Rate</u>
			Crash cushion barrel, filled, each	0810	\$1.14
			K-rail, temporary concrete barrier, per 6.1 m (20 lf)	0820	\$0.41

**PAVEMENT GRINDERS, DIAMOND [PGDIA]
BLADES**

DELAY FACTOR = 0.08 OVERTIME FACTOR = 0.92

Includes water(but not water truck or trailer), coolant, cutting compounds and all attachments and accessories. Replacement blades are included in the rates listed below.

CONCUT		[CCUT]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
BC-38 (136 blades)	0500	\$188.12	
BC-244 (187 blades)	0505	\$232.10	
BC-1268 (48 blades)	0510	\$71.75	

CUSHION CUT		[CUCT]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
HG-130A (127 blades)	0600	\$178.65	
PC-390(171 blades)	0610	\$277.58	

PENHALL		[PENH]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
G-38 (172 blades)	0800	\$353.77	

TARGET		[TARG]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
CG-65 (41 blades)	0900	\$108.48	
PRM-3804 (170 blades)	0905	\$389.57	

**PAVEMENT GRINDERS, TUNGSTEN- [PGT-C]
CARBIDE BITS**

DELAY FACTOR = 0.12 OVERTIME FACTOR = 0.90

Includes water(but not water truck or trailer), coolant, cutting compounds and all attachments and accessories. Replacement bits or tips are included in the rates listed below.

BARBER-GREENE		[B-G]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
RX-20	0100	\$185.25	
RX-30	0105	\$294.29	
RX-40B	0110	\$342.17	
RX-50	0115	\$402.17	
RX-80B	0120	\$672.29	

CATERPILLAR		[CAT]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
PM-800	0200	\$521.57	
PR-105	0201	\$89.74	
PR-275	0205	\$246.19	
PR-450	0210	\$361.99	
PR-750	0215	\$532.94	
PR-750B	0216	\$557.32	
PR-1000	0220	\$730.59	

C.M.I.		[CMI]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
PR-275 RT	0150	\$234.61	
PR-375	0155	\$300.30	
PR-450	0160	\$344.11	
PR-525	0165	\$373.40	
PR-500FL	0170	\$406.79	
PR-750	0175	\$515.71	
PR-800-7	0177	\$562.86	
PR-1000	0180	\$613.29	

INGERSOLL-RAND		[I-R]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
MW-175	0280	\$103.12	
MW-250	0285	\$111.09	
MW-250C	0286	\$133.53	
MT-6520 (crawler)	0300	\$333.50	
MW-6520	0305	\$239.99	
MW-6520HC	0310	\$309.90	
MT-7000	0315	\$422.54	

WIRTGEN		[WIRT]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
300VC	0380	\$39.83	
1000VC	0390	\$151.55	
1900DC	0395	\$354.56	
2000VC	0400	\$345.34	
2100VC	0402	\$445.98	
2200VC	0405	\$584.34	
3500VC	0410	\$596.87	
4200VC	0420	\$614.37	

PUMPS, WATER HOSE [PUMWA]

DELAY FACTOR = 0.34 OVERTIME FACTOR = 0.69

Centrifugal and diaphragm types (including submersibles). Rate includes power (gas, diesel or electric generator), 7.6 meters(25 lineal feet) of suction hose, 15.2 meters (50 lineal feet) of discharge hose, foot valve and all fittings, attachments and accessories.

A PUMP		[APMP]	
Listed by Mfr's rated capacity measured in thousands of liters per minute (thousands of gallons per hour) at 3.0 meters (10 feet) of suction head.			
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	0.6 (10)	000-010	\$3.49
0.6 (10)	1.3 (20)	010-020	\$5.63
1.3 (20)	1.9 (30)	020-030	\$6.23
1.9 (30)	3.2 (50)	030-050	\$24.31
3.2 (50)	7.9 (125)	050-125	\$27.87
7.9 (125)	15.8 (250)	125-250	\$32.39

INLET-SUCTION HOSE [INHS]

Additional 7.6 meter (25 foot) lengths of suction hose shall be paid based on the inside hose diameter in millimeters (inches).

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	60 (2.5)	0-2.5	\$0.06
60 (2.5)	80 (3)	2.5-3.5	\$0.11
80 (3)	100 (4)	3.5-4	\$0.15
100 (4)	150 (6)	4-6	\$0.25

OUTLET-DISCHARGE HOSE [OUHS]

Additional 15.2 meter (50 foot) lengths of discharge hose shall be paid based on the inside hose diameter in millimeters (inches).

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	60 (2.5)	0-2.5	\$0.05
60 (2.5)	90 (3.5)	2.5-3.5	\$0.08
90 (3.5)	100 (4)	3.5-4	\$0.12
100 (4)	150 (6)	4-6	\$0.17

ROLLERS, TANDEM STEEL WHEELS [ROL-2]**DELAY FACTOR = 0.10****OVERTIME FACTOR = 0.91**

Includes all attachments and accessories.

BOMAG [BMAG]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW-4AS	1150	\$26.14
BW-6AS	1155	\$27.72
BW-10AS	1160	\$47.45
BW-12AS	1165	\$48.20

DRESSER [DRES]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
S3-5B	2500	\$34.36
S8-12A	2520	\$45.12
S10-14A	2525	\$45.87

FERGUSON [FERG]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3-5 ton	4048	\$21.24
3-5A	4048A	\$22.41
4-6A	4142A	\$22.55
5-8 ton	4236	\$50.47
5-8A	4240	\$38.34
8-12 ton	4424	\$39.77
8-12B	4424B	\$41.72
8-12A	4430	\$39.31
10-14 ton	4450	\$40.64
10-14A	4455	\$39.82
10-14B	4455B	\$42.27

GALION [GALN]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4-6 ton roll-o-static	4650	\$33.34
S4-6A, S4-6B	4670	\$35.83

5-8 ton roll-o-static	4800	\$38.78
S5-8A	4820	\$41.23
8-10.5 ton roll-o-static	4988	\$39.41
S8-10.5A	5000	\$41.92
8-12 ton roll-o-static	5176	\$39.72
S8-12A	5190	\$42.55

HYSTER [HYST]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
C 330A 3-5 ton	6520	\$35.60
C 330B 3-5 ton (Hypac)	6520B	\$27.20
C 330A 4-6 ton	6525	\$36.92
C 330B 4-6 ton (Hypac)	6526	\$29.28
C 340A 5-8 ton	6530	\$43.69
C 340A 8-10 ton	6540	\$44.23
C 340B 5-8 ton	6545	\$38.58
C 340C 5-8 ton (Hypac)	6546	\$40.82
C 340B 8-10 ton	6548	\$39.27
C 340C 8-10 ton (Hypac)	6549	\$41.28
C 350B 8-12 ton	6710	\$45.10
C 350B 10-14 ton	6740	\$45.59
C 350C 8-12 ton	6750	\$40.53
C 350C 10-14 ton	6755	\$41.21
C 350D 8-12 ton	6757	\$41.95

INGRAM [INGM]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4-6 ton FB	6900	\$26.92
5-6.5 ton FB	6965	\$28.43
8-12 ton HB	7175	\$39.47
10-14 ton HB	7275	\$40.06

REXNORD [RXND]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3-5 ton	8566	\$25.97
4-6 ton	8572	\$26.53
5-8 ton	8578	\$59.16
7-10 ton	8584	\$59.35
8-12 ton	8590	\$59.70
10-14 ton	8596	\$60.03

**ROLLERS, RUBBER TIRE, SELF
PROPELLED****[ROLRT]****DELAY FACTOR = 0.14****OVERTIME FACTOR = 0.87**

Includes all attachments and accessories.

BUFFALO-BOMAG**[B-B]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW 20R	2624	\$43.78

CATERPILLAR**[CAT]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
PS 110	3460	\$43.67
PS 130	3465	\$43.09
PS 180	3470	\$45.26
PS 200B	3480	\$57.20

DYNAPAC**[DYPC]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
CP 15	3500	\$42.01
CP 21	3510	\$51.53
CP 27	3520	\$66.56

GALION**[GALN]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3500	4310	\$44.16
P 3000	4315	\$40.15
P 3500A	4320	\$44.26

HYSTER**[HYST]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
C 530A	5401	\$43.08
C 550A	5494	\$48.58

**ROLLER-TAMPING, SEGMENTED,
SHEEPSFOOT, SELF PROPELLED****[ROTAM]****DELAY FACTOR = 0.09****OVERTIME FACTOR = 0.92**

Includes all attachments and accessories.

BUFFALO-BOMAG**[B-B]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
K 300	1630	\$85.62
K 301	1635	\$95.55
K 401	1638	\$112.58

CATERPILLAR**[CAT]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
815	2300	\$99.30
815B	2310	\$145.41
815F	2320	\$158.15
825B	2500	\$167.25
825C	2510	\$215.33
835	2700	\$213.41

RAYGO**[RAGO]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
30	6490	\$83.37
45	6500	\$125.80
RAM PAK 45	6505	\$134.76

REXNORD**[RXND]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3-30	7120	\$100.24
3-35 PACTOR	7127	\$121.30
3-45 PACTOR	7130	\$155.22
3-50, 3-50A PACTOR	7140	\$173.97
3-55, 3-55B PACTOR	7150	\$207.30

**ROLLERS-TAMPING, SEGMENTED,
SHEEPSFOOT, TOWED****[ROTAT]****DELAY FACTOR = 0.43****OVERTIME FACTOR = 0.63**

Includes all attachments and accessories. Listed by drum dimensions in millimeters (feet) in either direction. The first digit is the diameter and the second digit is the length of each drum.

SINGLE DRUM UNIT**[ADRU]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
1220 mm x1220 mm (4'X4') & under	4X4	\$1.64
over 1220 mm (4') - not over 1520 mm (5')	4X5	\$1.86
over 1520 mm (5')	5	\$3.37

DOUBLE DRUM UNIT**[DDRU]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
1220 mm x1220 mm (4'X4') & under, each	4X4	\$3.97
over 1220 mm (4') - not over 1520 mm (5'), each	4X5	\$12.01
over 1520 mm (5'), each	5	\$22.08

**ROLLERS, VIBRATORY, SELF
PROPELLED****[ROVIB]****DELAY FACTOR = 0.16****OVERTIME FACTOR = 0.86**

Includes all attachments and accessories.

BUFFALO-BOMAG**[B-B]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW 210	2060	\$65.41
BW 210A	2070	\$67.38
BW 213	2080	\$66.50
BW 214	2090	\$68.21

BOMAG**[BMAG]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW 35	0700	\$6.76
BW 60, 60S	0800	\$10.49
BW 65, 65S	0900	\$7.27
BW 75, 75S	1000	\$11.73
BW 85T	1200	\$20.73
BW 90	1300	\$13.73

BW 100AD-3	1325C	\$35.27	CS 563 smooth drum	8083	\$98.87
BW 120AD	1350	\$35.87	CS 563C	8083C	\$104.12
BW 142PD	1359	\$41.17	CB 614	8085	\$106.50
BW 151AD	1365	\$59.17	CB 634	8095	\$104.80
BW 170AD, D	1380	\$52.02	CB 634C	8095C	\$105.81
BW 172AD, D	1385	\$52.25	DYNAPAC	[DYPC]	
BW 202AD	1400	\$80.97	<u>Model</u>	<u>Code</u>	<u>Rate</u>
BROS	[BROS]		LR 90	2401	\$15.03
<u>Model</u>	<u>Code</u>	<u>Rate</u>	A 36V, A 36D	2405	\$36.08
VM 255	2023	\$52.43	CA 12	2409A	\$48.11
VM 268, VM 268H	2024	\$64.54	CA 12D	2409B	\$40.87
VM 278	2025	\$99.40	CA 12PD	2409E	\$41.35
CASE	[CASE]		CA 12PDB strikeoff blade	2409H	\$39.31
<u>Model</u>	<u>Code</u>	<u>Rate</u>	CA 15	2410	\$63.57
50B	2228	\$7.61	CA 15A	2420	\$55.79
W 251	2400	\$25.20	CA 15D	2421	\$66.98
252, W 252	2405	\$32.88	CA 20D	2422	\$54.91
752, W 752	2450	\$56.64	CA 15PD	2425	\$56.51
1102, W 1102	2500	\$75.07	CA 25	2430	\$81.44
1102D, W 1102D	2505	\$75.82	CA 25S	2440	\$79.79
602D	2510	\$51.50	CA 25A, CA 25D	2450	\$84.41
752B	2520	\$59.47	CA 25PD	2455	\$87.36
CATERPILLAR	[CAT]		CA 25T	2460	\$73.76
<u>Model</u>	<u>Code</u>	<u>Rate</u>	CA 30	2462	\$85.68
CB 214	8025	\$31.87	CA 30D	2464	\$90.11
CB 214B	8026	\$33.06	CA 51S, CA 51D	2466	\$106.88
CB 224	8030	\$32.95	CA 55D	2468	\$109.71
CB 224B	8031	\$34.89	CA 151PDB	2469	\$78.07
CB 224C	8031C	\$35.67	CC 10, CC 10 series II	2470	\$32.53
CB 314	8035	\$34.62	CC 10A	2472	\$28.43
CP 323 padfoot drum	8040	\$55.59	CC 102	2472C	\$34.76
CS 323 smooth drum	8042	\$53.92	CC 12	2472E	\$35.71
CB 414	8045	\$53.33	CC 14	2473	\$51.42
CS 431	8050	\$49.62	CC 21	2474	\$52.78
CS 431B	8051	\$67.98	CC 21 II	2474B	\$55.85
CP 433 padfoot drum	8055	\$55.96	CC 211	2474C	\$64.21
CP 433B padfoot drum	8056	\$74.18	CC 42 II Dynatronic	2475	\$85.30
CP 433E	8056E	\$87.81	CC 42A	2476	\$84.25
CS 433 smooth drum	8060	\$56.60	CC 50	2482	\$93.04
CS 433B smooth drum	8061	\$71.29	CC 50A	2488	\$104.84
CB 434	8062	\$61.70	CC 50PD	2488E	\$163.62
CB 514	8065	\$67.76	CC 50S	2489	\$155.58
CB 534	8067	\$87.33	DD 18	2498	\$13.08
CB 534C	8067C	\$84.44	300V	2499E	\$16.99
CS 551	8070	\$95.73	2100V	2499H	\$16.08
CP 553 padfoot drum	8075	\$100.41			
CS 553 smooth drum	8080	\$96.93			
CP 563 padfoot drum	8082	\$102.64			

ESSICK	[ESIK]		SPF 48B	3892	\$66.36
<u>Model</u>	<u>Code</u>	<u>Rate</u>	SP 54	4000	\$62.69
VR 30RE	2700	\$9.82	SP 54DD	4005	\$64.67
VR 42RE	2820	\$25.08	SPA 54	4010	\$63.57
V 30WR, V 30W2-R	2902	\$10.80	SPF 54	4020	\$69.16
			SP 56	4030	\$73.04
HYSTER	[HYST]		SP 56DD	4035	\$75.89
<u>Model</u>	<u>Code</u>	<u>Rate</u>	SP 56DH	4037	\$103.25
C 612B	3450	\$58.28	SPF 56	4040	\$77.80
C 610A	3500	\$44.44	SPF 56B	4050	\$80.67
C 610B	3540	\$56.54	SPF 56DH	4080	\$104.72
C 615B	3562	\$58.63	SPF 56DHB	4090	\$108.56
C 617B	3563	\$59.13	SP 60	4100	\$131.45
C 620B	3566	\$58.03	SP 84	4105	\$107.96
C 625B	3570	\$59.72	SP 60DD	4110	\$152.70
C 627B	3572	\$60.39	SPF 60	4120	\$157.30
C 727A	3572E	\$85.29	SPF 60B	4130	\$165.17
C 748A (Hypac/Hyster)	3572F	\$37.86	SPF 60C	4132	\$144.61
C 766A	3572G	\$75.19	SPF 84	4133	\$109.65
C 766B (Hypac/Hyster)	3572H	\$90.45	SPF 84B	4134	\$114.04
C 850A	3572J	\$90.71	SD 40D	4138	\$55.87
C 850B (Hypac/Hyster)	3572K	\$105.55	SD 40F w/ blade	4138FB	\$57.37
C 852A	3572N	\$96.15	SD 70	4139	\$64.21
C 852B (Hypac/Hyster)	3572P	\$108.99	SD 100	4140	\$81.12
C 860A	3572S	\$94.87	SD 100D	4140D	\$98.31
C 860B (Hypac/Hyster)	3572T	\$103.24	SD 100F	4140F	\$98.86
			SD 115D	4141D	\$122.39
INGERSOLL-RAND	[I-R]		SD 150D	4143D	\$131.78
<u>Model</u>	<u>Code</u>	<u>Rate</u>	KOEHRING-BOMAG	[KOBO]	
DD 22	3565	\$42.19	<u>Model</u>	<u>Code</u>	<u>Rate</u>
DD 23	3570	\$31.17	BW 120AC	4168E	\$35.31
DD 24	3572	\$41.21	BW 120AD	4169	\$35.85
DA 30	3573	\$32.73	BW 121AD	4193	\$32.22
DD 35	3573C	\$34.19	BW 130AD	4193E	\$37.65
DA 40	3573E	\$58.23	BW 140AD	4194	\$58.27
DA 41	3573G	\$60.55	BW 141AC	4194B	\$56.97
DD 34HF	3573HF	\$50.42	BW 141AD	4194E	\$52.25
DA 48	3573M	\$80.92	BW 142D	4194H	\$39.61
DA 50	3574	\$81.48	BW 172	4212	\$49.43
DD 65	3574A	\$62.64	BW 172D	4212E	\$51.91
DF 84	3574B	\$133.29	BW 213D	4237	\$82.37
DS 84	3574C	\$130.08	BW 214D	4238	\$101.02
DD 90	3574D	\$87.20	BW 215D	4240	\$99.90
DD 110	3574F	\$96.73	BW 217D	4242	\$125.60
DD 130	3574H	\$128.76	BW 220D	4250	\$94.20
DD 145	3574J	\$110.75			
SPA 56	3810	\$62.81			
SP 48	3880	\$61.32			
SP 48DD	3885	\$62.90			
SPF 48	3890	\$65.16			

MIKASA	[MIKA]		RS 58D	6327	\$88.04
<u>Model</u>	<u>Code</u>	<u>Rate</u>	RS 156A	6340	\$58.57
MDR 7DW	4404	\$8.72	RS 166A	6350	\$77.11
MDR 9G	4405	\$12.43	RS 188A	6370	\$98.57
MDR T38S	4407	\$8.85	RS 210	6400	\$76.32
MRV 10GA	4409	\$13.94	WACKER	[WACK]	
RAYGO	[RAGO]		<u>Model</u>	<u>Code</u>	<u>Rate</u>
<u>Model</u>	<u>Code</u>	<u>Rate</u>	R 900	7850	\$22.01
1-36 REBEL	4805	\$15.04	R 1000	7855	\$35.19
2-36 ROMPER	4810	\$32.85	W 55T	7860	\$10.97
2-66 RANGER	4820	\$83.02	W 74L, W 74T	7880	\$10.85
2-84 RANGER	4830	\$115.59	W 74	7890	\$10.52
220A RASCAL	4840	\$48.56	W 75	7900	\$11.24
320A RASCAL	4876	\$58.44	WDH 84	7910	\$15.28
320S RASCAL	4890	\$55.75	WDH 86-110	7912	\$19.03
400A RASCAL	5010	\$58.55	WHK 90, WHK 90L	7915	\$18.86
404B RUSTLER	5110	\$63.84	SHOVELS & CRANES CRAWLER [S&CCL]		
410A RASCAL	5150	\$62.08			
600A RASCAL	5220	\$78.88	DELAY FACTOR = 0.18		
4000 RASCAL	5235	\$86.17	OVERTIME FACTOR = 0.85		
4200 RASCAL	5236	\$92.07	Includes all attachments and accessories when used as a crane, clamshell, dragline or for pile driving (not including leads or driving equipment).		
4404 RUSTLER	5236E	\$34.36	LINK-BELT	[L-B]	
RAMMAX	[RAMX]		<u>Model</u>	<u>Code</u>	<u>Rate</u>
<u>Model</u>	<u>Code</u>	<u>Rate</u>	LS 78	4702	\$68.59
P 33/24	4605	\$19.27	LS 78 pipeliner	4724	\$70.56
P 33/24 w/ remote	4606	\$18.57	LS 98	4826	\$77.88
P 51	4625	\$73.57	LS 98 pipeliner	4852	\$84.03
S 51	4630	\$38.75	LS 98A	4924	\$78.94
P 47	5290	\$37.37	LS 108B	4980	\$88.03
SAKAI	[SAKI]		LS 108D	4981	\$113.85
<u>Model</u>	<u>Code</u>	<u>Rate</u>	LS 118	4998	\$127.26
SV 70	8025	\$58.72	LS 218H	5010	\$210.15
SV 70D	8026	\$61.03	LS 318	5012	\$126.81
SV 91	8050	\$88.16	LS 338	5020	\$137.81
SV 91D	8051	\$90.11	LS 518	5124	\$202.85
SV 200D	8060	\$44.41	MANITOWOC	[MTWC]	
TAMPO	[TAMP]		<u>Model</u>	<u>Code</u>	<u>Rate</u>
<u>Model</u>	<u>Code</u>	<u>Rate</u>	222EX (WEST)	5600	\$256.01
RP 16D (HD)	5990	\$56.03	2900 WC	5764	\$113.42
RP 28D	5995	\$74.87	3000 W	5812	\$144.10
RP 48D	6110	\$98.16	3900B (100 ton)	6036	\$186.63
RP 58D	6115	\$89.49	3900 W VICON series 2	6132	\$244.82
RS 16 (HD)	6170	\$53.19	4000 W VICON	6180	\$221.89
RS16A (HD)	6180	\$55.12	4100 W VICON series 1	6196	\$332.44
RS 16D (HD)	6185	\$55.62	4100 W VICON series 2	6198	\$341.58
RS 28C	6315	\$70.81	4600 VICON series 1	6328	\$497.57
RS 28D	6320	\$72.02	4600 VICON series 3	6332	\$570.14

P&H	[P&H]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
535	7716	\$113.18
550	7748	\$119.11
670 WLC	7892	\$138.61

SHOVELS & CRANES, TRUCK MOUNTED [S&CTK]

DELAY FACTOR = 0.21 OVERTIME FACTOR = 0.82
Includes truck/carrier. Includes all attachments and accessories when used as a crane, clamshell, dragline or for pile driving (leads and driving equipment not included).

AMERICAN HOIST & DERRICK	[AMHD]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
5470	1015	\$113.28
5530	1080	\$195.82
7450	1130	\$112.25
7460	1140	\$157.41
7530	1170	\$176.73
8460	1178	\$223.56
8470	1179	\$352.42

LINK-BELT	[L-B]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
HC 48A	4332	\$68.39
HC 108B	4960	\$83.73
HC 108C	4970	\$119.02
HC 138	4992	\$89.07
HC 138A	4995	\$191.14
HC 218	5050	\$117.27
HC 218A	5051	\$190.26
HC 228H	5054	\$233.72
HC 238A, 238B	5065	\$192.98

P&H	[P&H]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
440 TC	7240	\$85.10
650A TC	7720	\$120.44
670 TC	7790	\$123.95
790 TC	7880	\$116.53
8115A TC	7950	\$159.70

SANBLASTING EQUIPMENT [SANBL]

DELAY FACTOR = 0.51 OVERTIME FACTOR = 0.53

Includes helmets, gauntlets, 30.5 meters(100 feet) of hose, pot, all control valves, nozzles and other attachments and accessories. Rated in accordance with the capacity of the pot measured in kilograms(pounds)of sand.

REMOTE CONTROL ONLY		[REMC]	
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
45 (100)	159 (350)	010-035	\$1.41
159 (350)	272 (600)	035-060	\$1.87
272 (600)	454 (1000)	060-100	\$1.90
454 (1000)	680 (1500)	100-150	\$2.38
680 (1500)	907 (2000)	150-200	\$2.65

SAWS, CHAIN AND EARTH AUGER ATTACHMENT [SAWCH]

DELAY FACTOR = 0.10 OVERTIME FACTOR = 0.91

Hand held type, one or two man, gas, air or electric powered including all attachments and accessories. Blades, chains and tips shall be paid separately. Saws which cost less than \$500 are considered minor tools and are no longer listed. Rated in accordance with Mfr's kilowatts (horsepower).

SAWS	[SAW]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
>3.7 (5) 30 amps @ 120V	5-HP	\$2.96

SAWS, CONCRETE AND MASONRY [SAWCO]

DELAY FACTOR = 0.13 OVERTIME FACTOR = 0.88

Self powered gas, air or electric powered. Includes water (but not water truck or trailer), coolant, cutting compounds and all attachments and accessories. Saw blades or abrasive discs shall be paid in accordance with the following sawkerf codes.

SINGLE & MULTI-BLADE		[ABOP]	
OPERATION			
Listed in accordance with Mfr's rated kilowatts (horsepower).			
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	7.5 (10)	0-10	\$3.32
7.5 (10)	14.9 (20)	10-20	\$7.60
14.9 (20)	24.6 (33)	20-33	\$15.10
24.6 (33)	33.6 (45)	33-45	\$17.48
33.6 (45)	48.5 (65)	45-65	\$20.82

BLADE SAWKERF [ABSK]

The following allowance is entered on the extra work bill by using the length x depth per blade.

<u>UNITS</u>	<u>Code</u>	<u>Rate</u>
Rate /blade/ 30.5 m (100 lin ft) / 25 mm (inch) depth	100'/IN	\$18.00
Rate/blade/ 0.3 m (lin ft) / 25 mm (inch) depth	LF-INDE	\$0.18

SCRAPERS, SELF PROPELLED**[SCRSP]****DELAY FACTOR = 0.12****OVERTIME FACTOR = 0.89**

Includes all attachments and accessories.

CATERPILLAR**[CAT]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
613	1395	\$70.44
613B	1400	\$78.46
613C	1402	\$97.91
615	1415	\$135.25
615C	1416	\$147.57
621B cushion hitch	1680	\$172.33
623B	1700	\$177.46
623E	1702	\$209.70
623F	1703	\$219.20
627B push pull	1770	\$228.63
627E non push-pull	1772	\$243.41
627E push-pull	1773	\$247.88
631C 67M5012 serial	2170	\$197.90
631D	2180	\$243.22
631E	2185	\$265.64
633C non cushion hitch	2305	\$194.08
633C cushion hitch	2315	\$193.86
633C 66M693 serial	2320	\$203.06
633D	2330	\$252.57
637 cushion, non-push-pull	2375	\$292.71
637 non-cushion, push-pull	2410	\$294.84
637D non push-pull	2460	\$355.15
637D push-pull	2470	\$358.89
639D	2475	\$368.08
637E	2476	\$386.48
637E push-pull	2477	\$391.59
641B non cushion hitch	2620	\$247.36
641B cushion hitch	2655	\$288.25
651B non cushion hitch	2935	\$293.55
651B cushion hitch	2970	\$295.87
651E	2975	\$361.62
657B non cushion, non p-p	3360	\$467.13
657B cushion, push-pull	3370	\$473.25
657E non push-pull	3375	\$547.03
657E push-pull	3380	\$564.91
660B	3470	\$273.44
666B	3600	\$437.62

JOHN DEERE**[DEER]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD 760A	3845	\$70.10
JD 762	3860	\$86.35
JD 762A	3865	\$90.33
JD 762B	3866	\$105.13

JD 860A	3920	\$102.80
JD 860B	3930	\$107.95
JD 862	3940	\$127.57
JD 862B	3942	\$154.74

INTERNATIONAL**[INTL]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
412B	5631	\$87.08
431B	5637	\$169.75
433B	5643	\$248.50

TEREX**[TERX]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
S 11EB	8245	\$69.98
S 23E 33TOT-H-93SH, elev	8250	\$164.02
S 24 49LOT-76SH serial	8260	\$210.71
S 24B 023-024 serial	8270	\$254.24
S 24C	8275	\$275.22

WABCO**[WAB]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
101F	8570	\$80.63
101G	8575	\$81.02
111A	8640	\$76.48
222G	8700	\$149.88
222H	8704	\$168.97

TRACTORS, CRAWLER**[TRACC]****DELAY FACTOR = 0.13****OVERTIME FACTOR = 0.88**

Includes all attachments and accessories such as dozer blade and power control blocks when needed, but does not include backhoe, winch or ripper units listed elsewhere in this schedule.

CASE**[CASE]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
350	1820	\$32.38
350B	1825	\$34.32
450	1868	\$27.80
450B	1869	\$31.50
450C	1869E	\$35.61
475	1870	\$46.12
550	2000	\$37.28
650	2100	\$44.04
850	2128	\$37.61
850B	2130	\$40.59
850C	2135	\$44.35
850D	2140	\$46.85
1150B	2250	\$56.29
1150C	2255	\$61.53
1150D	2257	\$63.44
1150E	2258	\$65.68

CATERPILLAR			[CAT]		D-8R	4870	\$198.48
<u>Model</u>	<u>Code</u>	<u>Rate</u>			D-9H	5160	\$224.79
D-3	2340	\$32.63			D-9L	5165	\$268.19
D-3B	2345	\$35.99			D-9N	5170	\$228.73
D-3 LGP	2350	\$33.24			D-9R	5175	\$267.11
D-3B LGP	2355	\$37.17			D-10	5220	\$411.08
D-3B SA	2370	\$40.23			D-10N	5225	\$330.39
D-3C	2380	\$38.14			D-10R	5227	\$368.58
D4C Series III	2450	\$48.70			D-11N	5230	\$513.57
D-4D	2655	\$39.36			JOHN DEERE	[DEER]	
D-4E direct drive	2660	\$41.26			<u>Model</u>	<u>Code</u>	<u>Rate</u>
D-4E power shift	2665	\$42.48			JD 350C	5360	\$35.93
D-4H	2670	\$53.61			JD 350D	5365	\$40.32
D-4H LGP	2675	\$53.33			JD 400G	5405	\$33.72
D-4H Series II	2680	\$54.75			JD 450C	5474	\$36.02
D-4E SA	2772	\$50.07			JD 450D	5476	\$37.38
D-4E LGP power shift	2780	\$42.67			JD 450E	5478	\$38.02
D-4E LGP direct drive	2782	\$42.67			JD 450G	5479	\$41.00
D-4G XL	2790XL	\$49.44			JD 550	5480	\$40.62
D-5	3194	\$56.52			JD 550A	5481	\$44.01
D-5B power shift	3206	\$59.59			JD 550B	5483	\$42.82
D-5B SA	3325	\$65.10			JD 550G	5484	\$47.75
D-5B LGP	3345	\$62.11			JD 650G	5484A	\$53.47
D-5C	3346	\$52.93			JD 650H LGP	5484H	\$57.18
D-5H	3347	\$71.02			JD 750	5485	\$63.45
D-5H Series II	3348	\$74.76			JD 750B	5486	\$69.57
D-5H LGP	3350	\$73.88			JD 750 LGP	5487	\$66.23
D-6C direct drive	3645	\$73.39			JD 750B LGP	5488	\$84.35
D-6C power shift	3688	\$74.00			JD 850	5490	\$83.02
D-6C LGP	3710	\$76.37			JD 850B	5491	\$95.58
D-6D	3720	\$84.08			JD 850 LGP	5492	\$87.51
D-6D SA	3725	\$94.65			JD 850B LGP	5495	\$102.38
D-6D LGP	3730	\$84.52			DRESSER	[DRES]	
D-6H	3732	\$95.80			<u>Model</u>	<u>Code</u>	<u>Rate</u>
D-6H Series II	3733	\$100.13			TD 7E	9100	\$36.98
D-6H LGP	3735	\$100.10			TD 7G	9102	\$41.01
D-6M LGP	3745	\$92.63			TD 8E	9105	\$45.06
D-6N XL	3755	\$95.42			TD 8G	9107	\$48.31
D-6R DS	3800	\$105.55			TD 12	9110	\$64.76
D-6R XL	3815	\$110.91			TD 12 LGP	9115	\$73.94
D-7G	4180	\$126.29			TD 15C	9120	\$90.75
D-7G LGP	4200	\$122.36			TD 15E	9122	\$110.55
D-7G SA	4210	\$135.42			TD 15C LGP	9125	\$88.04
D-7H	4215	\$130.74			TD 20E	9130	\$122.47
D-7H Series II	4216	\$139.61			TD 20G	9135	\$147.64
D-7H LGP	4220	\$136.84			TD 20G LGP	9137	\$154.87
D-8K	4858	\$168.58			TD 25E	9139	\$174.81
D-8L	4862	\$201.77			TD 25G	9140	\$214.74
D-8L SA	4863	\$219.47					
D-8N	4864	\$180.62					

FIAT-ALLIS**[F-A]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
10C	6043	\$71.83
10C LGP	6044	\$72.67
14C	6048	\$90.61
FD 20	6056	\$130.21
21C	6060	\$150.79
FD 30	6060E	\$175.72
31	6061	\$239.23
FD 40	6061E	\$272.26

KOMATSU**[KOMA]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
D 21P-6	7965	\$39.13
D 31A-16	7970	\$34.14
D 31A-17	7972	\$37.40
D 31E-17	7976	\$39.00
D 31E-18	7977	\$41.27
D 31P-16	7980	\$34.51
D 31P-17	7981	\$38.09
D 31P-17B	7981E	\$39.98
D 58E-1	8003	\$75.54
D 58P-1	8003H	\$83.06
D 65E-6	8070	\$87.38
D 65E-7, E-8	8072	\$97.17
D 65P-6	8080	\$89.96
D 65P-7 / D 65P-8	8082	\$100.46
D 68P-1	8083	\$110.65
D 68E-1	8085	\$105.74
D 83E-1	8087	\$128.66
D 83P-1	8088	\$129.97
D 85P-18	8090	\$138.72
D 85A-18	8114	\$122.27
D 85E-12	8120	\$107.45
D 85E-18	8140	\$132.07
D 135A-1	8150	\$169.86
D 155A-1	8160	\$196.06
D 155A-2	8161	\$195.65
D 375A-1	8175	\$311.32
D 375A-2	8176	\$344.62
D 455A-1	8180	\$381.80
D 475A-2	8186	\$537.32

TRACTORS, HEAVY**[TRACH]****DELAY FACTOR = 0.14****OVERTIME FACTOR = 0.88**

Includes all attachments and accessories such as dozer blade, power control units and push blocks, when needed, but does not include backhoe, winch or ripper units listed elsewhere in this schedule.

CATERPILLAR**[CAT]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
814	1400	\$115.84
814B	1410	\$168.64
824B	1720	\$188.67
824C	1730	\$228.25
834B	2010	\$343.78

**TRACTORS, RUBBER TIRE,
INDUSTRIAL, FARM & SKID STEER**
[TRACS]**DELAY FACTOR = 0.10****OVERTIME FACTOR = 0.91****37.3 kW (50 HP) OR LESS****[<50]**

Including, but not limited to the following:

Bobcat-- 440B, 443B, 450, 453, 542B, 543B, 553, 742B, 743B, 753, 763, 773, 1840, 7753

Case-- 1818, 1825, 1835C, 1838

Deere-- 3375, 4475, 5200, 5575, 6675, 7775

Ford-- L250, L454, L455, L553, L555, L781

Gehl-- SL3310, SL3410, SL3725, SL3825, SL4525, SL4625

Hydra-Mac-- 1300, 1600, 1700D

JCB-- 165Robot, 165Robot Ser II

Massey-Ferguson-- MF30E

Mahto-- LS70, LS75, L933

Mustang-- 920, 920E, 921, 930A, 930AE, 940, 940E, 910, 911, 2040

New Holland-- 1220, 1320, 1620, 1920, 2120, 3415, 3930, L250,

L255, L465, LX465, LX485, L565, LX565, LX665

Ramrod-- 230B, 300B, 584B, 784B, 550, 750, 1350, 1550

Thomas-- T-82, T-83, T-83S, T-103, T-132, T-133, T-133S

Trak-- 1300HD, 1300C, 1300CX, 1500C

<u>Model</u>	<u>Code</u>	<u>Rate</u>
with loader or dozer	A	\$28.11
auger, w/ or w/o loader or dozer	B	\$28.49
backhoe, w/ or w/o loader or dozer	C	\$29.87

OVER 37.3 kW (50 HP) [>50]

Including, but not limited to the following:

Bobcat-- 853, 863, 873, 943, 953, 980

Case-- 1845C

Deere-- 5300, 5400, 6200, 6300, 6400, 8875

Ford-- L783, L785, 250C, 260C

Gehl-- SL5625, SL6625, SL6635

Hydra-Mac-- 1850, 2650, 2650D

JCB-- 185Robot

Massey-Ferguson-- MF40E, MF50EX

Mustang-- 960, 2060

New Holland-- 4630, 5030, 5640, 6640, 7740, 7840, 8240, 8340,

L865, LX865, LX885, 345D, 545D

Ramrod-- 1750, 1950

Thomas-- T-173HL, T-173HLS, T173HLS II, T-203HD, T-233HD

Trak-- 1700HD, 1700C, 1700CX, 1700XHP

<u>Model</u>	<u>Code</u>	<u>Rate</u>
with loader or dozer	A	\$36.94
auger, w/ or w/o loader or dozer	B	\$37.42
backhoe, w/ or w/o loader or dozer	C	\$38.85

**TRAFFIC CONTROL & SAFETY DEVICES [TRAF A]
(HOURLY RATES)****DELAY FACTOR = 0.33****OVERTIME FACTOR = 0.71****CHANGEABLE MESSAGE SIGN [CMSN]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Generator	GEN1	\$13.50
Generator w/ cell remote	GEN2	\$14.65
Solar	SOL1	\$8.87
Solar w/ cell remote	SOL2	\$10.02

FLASHING ARROW SIGN [FLAS]

Including supplies, replacements and servicing.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Roof mounted	RM	\$0.78
Trailer mounted	TM	\$3.33

**TRAFFIC CONTROL & SAFETY DEVICES [TRAF C]
(DAILY RATES)****DELAY FACTOR = 0.72****OVERTIME FACTOR = 1.00**

Includes supplies and servicing. The following allowance is entered on the extra work by using days instead of hours worked. Crash cushion barrels and K-rail sections are now listed with Non-Operated items[NONOP].

(1) BARRICADES [1BAR]

(A) 750 mm to 900 mm high & 600 mm to 900 mm wide (30 to 36 inches high & 24 to 36 inches wide)

(B) 1500 mm high by 1200 mm wide min. (60" high by 48" wide min.)

<u>Model</u>	<u>Code</u>	<u>Rate</u>
each with flasher	A1	\$0.43
each without flasher	A2	\$0.22
each	B3	\$0.97

(2) TRAFFIC CONES [2TC]

Lost or destroyed are no longer paid on invoice.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
450 mm (18") high, per 100	A100	\$7.77
700 mm (28") high, per 100	B100	\$13.54
700 mm (28") high w/ refl sleeve, per 100	D100	\$20.88
1,050 mm (42") high w/ refl sleeve, per 100	E100	\$34.73

(3) PORTABLE DELINEATOR [3DEL]

Lost or destroyed are no longer paid on invoice.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
per 100	100	\$22.19

(4) ILLUMINATED SIGNS [4SIG]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
incl 900 mm x900 mm (3'x3') sign & batteries	12V	\$5.38

(5) FLASHING BEACON [5BEA]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
portable 12 volt	12V	\$5.48

(6) FLAG/SIGN STAND [6FSS]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
incl sign, stand & 3 flags	EACH	\$2.48

(7) DELINEATOR DRUM [7DDR]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Del. drum w/ base per 100	100	\$54.90

TRAILERS, EQUIPMENT, LOW BED [TRAIL]**DELAY FACTOR = 0.41****OVERTIME FACTOR = 0.65**

Includes all attachments and accessories related to hauling. The rates cover drop deck type with and without folding/removable gooseneck or oscillating trunion. Pilot vehicles are extra. Listed in accordance with number of axles and tires per axle. Includes jeeps, booster axles, and dollies. All loads shall be hauled legally or within Caltrans Permit Policy.

LOW BED A [LB-A]

2 axle

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4 Tires per axle	100	\$13.10
8 Tires per axle	200	\$16.51

LOW BED B [LB-B]

3 axle

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4 Tires per axle	300	\$17.56
8 Tires per axle	400	\$20.35

LOW BED C [LB-C]

4 axle

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4 Tires per axle	500	\$28.23
8 Tires per axle	600	\$35.04

LOW BED D [LB-D]

6 axle

<u>Model</u>	<u>Code</u>	<u>Rate</u>
8 Tires per axle	700	\$56.09

TRAILERS, EQUIPMENT, TILT BED [TRAIT]**DELAY FACTOR = 0.41 OVERTIME FACTOR = 0.65**

Includes all attachments and accessories related to hauling. Pilot vehicles are extra. Listed in accordance with the Mfr's rated capacity in tonnes(tons).

TILT BED 1 AXLE [TB-1]

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	1.8 (2)	00-02	\$0.70
1.8 (2)	3.6 (4)	02-04	\$0.75

TILT BED 2 AXLES [TB-2]

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
3.6 (4)	5.4 (6)	04-06	\$1.24
7.3 (8)	9.1 (10)	08-10	\$3.85
9.1 (10)	10.9 (12)	10-12	\$4.43
10.9 (12)	12.7 (14)	12-14	\$4.99
12.7 (14)	14.5 (16)	14-16	\$5.54
14.5 (16)	16.3 (18)	16-18	\$5.36
16.3 (18)	18.1 (20)	18-20	\$5.18
18.1 (20)	20.0 (22)	20-22	\$5.93
20.0 (22)	22.7 (25)	22-25	\$5.77

TRENCHING MACHINES [TRENC]**DELAY FACTOR = 0.11 OVERTIME FACTOR = 0.91**

Includes all attachments and accessories. When used, tungsten carbide tips shall be replaced by separate invoice.

BOBCAT [BCAT]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
T 116	2000	\$13.80
T 135	2010	\$31.78
T 136	2020	\$32.11
T 208	2030	\$7.13
3022	2040	\$32.56

CASE [CASE]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TL 70	9051	\$5.84
TL 100	9053	\$8.40
TL 120	9055	\$10.13
TL 200	9070	\$10.29
16+4	9120	\$14.82
25+4	9170	\$20.52
25 + 4 XP	9171	\$26.02
30+4 standard	9224	\$28.92
DH 4	9255	\$39.09
DH 4B	9256	\$42.88

DH 5	9257	\$37.22
DH 5 QUAD	9259	\$37.89
DH 7	9261	\$44.09
360	9263	\$31.01
ROAD RUNNER 380	9277	\$42.74
TF 300	9374	\$19.34
TF 700	9398	\$26.46
TF 800	9405	\$34.41
TF 1000	9460	\$39.62
760	9465	\$40.80

DITCH WITCH**[D-W]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
R 30	5390	\$26.67
R 36D	5400	\$33.13
R 40	5432	\$34.47
R 65	5556	\$35.48
R 100	5565	\$83.72
V 30	5618	\$25.52
1410	5620	\$10.45
1420	5625	\$11.11
1500	5630	\$7.77
1620	5635	\$14.53
1810	5640	\$14.88
2020	5645	\$18.52
2200	5650	\$17.58
2300	5660	\$26.60
2310	5662	\$28.00
3210	5670	\$30.17
3210 Combo	5675	\$31.03
3500	5676	\$35.54
4010	5677	\$45.83
4010 Combo	5678	\$35.10
5010	5679	\$35.38
6510	5680	\$41.96
6510 Combo	5685	\$45.03

MIDMARK**[MDMK]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
300 A	7945	\$26.48
321	7950	\$27.74
400 A	7955	\$33.75
440	7960	\$42.29

VERMEER**[VERM]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
CC-135	8350	\$90.96
M 220	8380	\$17.65
M 455 / M455A	8480	\$40.68
M 475	8570	\$42.89
M 475A	8571	\$48.86
M 485	8580	\$46.58
M 495	8585	\$76.23
T 300B, T 300A	8718	\$27.23
T 400C, T 400B, T 400A	8781	\$58.24
T 600D, C, B, A	8842	\$83.83
T 650	8843	\$140.59
T 800B, T 800A, T800	8870	\$134.08
T 800C	8871	\$146.44
T 850	8875	\$260.76
V 430	8950	\$31.00
V 430A	8951	\$34.77
V 434 / M 434	9000	\$29.90
V 440	9015	\$32.93
V 450	9017	\$38.56
V 454	9020	\$33.67
V 1550	9025	\$16.44

**TRUCK, TRUCK TRAILERS, EXCL.
DUMP TRUCKS & EQPT TRAIL**
[TRUCK]
DELAY FACTOR = 0.13 OVERTIME FACTOR = 0.88

Includes all attachments and accessories related to hauling, with and without trailers as needed. Includes water trucks, freight trucks and passenger vehicles, including 4wd option. Listed by Mfr's Gross Vehicle Weight in Kilograms(pounds). For tractor-trailer units, the gross vehicle weight of the cargo carrying unit or units will control. In the case of water trucks, the tank capacity expressed in kilograms (pounds) of water plus 20%, will determine the gross vehicle weight. For attachment allowance, see attachment class.

TRUCKS**[T&TT]**

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
CARS , LIGHT TRUCKS			
3175 (7000)	5443 (12000) No small pickups	06-12	\$26.90
5443 (12000)	9072 (20000)	12-20	\$32.90
9072 (20000)	12701(28000)	20-28	\$35.39
12701 (28000)	16330 (36000)	28-36	\$44.22
16330 (36000)	21773 (48000)	36-48	\$50.98
21773 (48000)	27216 (60000)	48-60	\$63.01
27216(60000) & Over		60	\$80.02

TRUCKS, OFF-HIGHWAY**[TRUOF]**
DELAY FACTOR = 0.18
OVERTIME FACTOR = 0.84

Includes all attachments and accessories. Includes end dump, belly dump and earthmover types. Listed in accordance with Mfr's rated capacity in tonnes (tons). In the case of earthmover types, rated by Mfr's volumetric capacity, a factor of 1.4 tonnes per cubic meter (1-1/2 tons per cubic yard) of struck capacity shall be used.

TRUCK OFF-HIGHWAY**[TRU]**

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
9.1 (10)	13.6 (15)	10-15	\$48.45
16.3 (18)	20.0 (22)	18-22	\$85.79
20.0 (22)	24.5 (27)	22-27	\$107.60
24.5 (27)	29.0 (32)	27-32	\$122.66
29.0 (32)	36.3 (40)	32-40	\$167.71
36.3 (40)	49.9 (55)	40-55	\$251.61
49.9 (55)	60.8 (67)	55-67	\$282.01

TRUCKS, DUMP, ON-HIGHWAY**[TRUON]**
DELAY FACTOR = 0.15
OVERTIME FACTOR = 0.86

Includes all end dump, side dump and belly dump types; including all attachments and accessories.

TRUCK ON-HIGHWAY**[TRUN]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2 axles	2AXL	\$55.37
3 axles	3AXL	\$70.60
4 axles	4AXL	\$78.26
5 axles	5AXL	\$88.70

WELDING EQUIPMENT**[WELD]**
DELAY FACTOR = 0.17
OVERTIME FACTOR = 0.85
ARC WELDING MACHINES**[AWM]**

Diesel, gas or electric powered. Includes helmets, holders, cable and all attachments and accessories. Rate capacity in amps.

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	250	0-250	\$6.32
250	500	250-500	\$12.29
over	500	500	\$12.42

GAS WELDING OUTFIT**[GWO]**

Includes regulator, 7.6 meters (25 feet) of hose, torch, goggles, lighter and attachments and accessories. Gas and rod shall be paid separately.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
ALL	ALL	\$0.24