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, 2004 through March 31, 2005

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FOR DOUBLE-SIDED PRINTING

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USER'S GUIDE
FOR LABOR SURCHARGE AND EQUIPMENT RENTAL RATES
April 1, 2004 - March 31, 2005

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/misc.html

The miscellaneous listing is updated monthly.

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, 2004 book were the result of: 1) fuel costs increased; 2) interest rates decreased; 3) Producers' Price Index increased; 4) no change in sales tax; and 5) no change in freight (F.O.B.) rates. Additionally, newer equipment models were added. **The NONOP rates were revised to bring them in-line with current practice.**

Labor Surcharge

The labor surcharge compensates the contractor for statutory payroll items stipulated by various governmental agencies. The six items included are Workers' Compensation, Social Security, Medicare, Federal Unemployment, State Unemployment, 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, 2004 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, 2004 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 9-1.03A(1b) of the Standard Specifications will **be 16 percent for regular time (RT)** and **15 percent for overtime (OT)**.

Exceptions to the general rate are listed below. The classifications were chosen because of very high Workers' Compensation Insurance costs. Contractors will be compensated at their employees worker's compensation rating, regardless of work being performed (e.g. "Drilling Contractor" performing traffic control will be compensated at the Drilling Surcharge rate). Questions or disputes should be directed to the Resident Engineer.

EXCEPTIONS

Type of Work Performed	Labor Surcharge Percent	
	RT	**OT**
Concrete Construction - Bridge	**23**	**20**
Drilling	**20**	**17**
Fence & Guardrail Construction	**24**	**20**
Erection of structural metal for metal bridges, excluding sign bridge	**21**	**19**
Landscape Gardener	**16**	**15**
Mobil Crane & Hoist Service	**22**	**19**
Painting Steel Structures or Bridges	**21**	**19**
Pile Driving, not including drilled, cast-in-place concrete piles	**20**	**17**
Sign Erection or Repair	**26**	**22**
Wrecking & Demolition	**18**	**16**

For work that is determined by the Engineer to be covered by Longshoreman and Harbor Worker's Act, an appropriate labor surcharge will be established by the Division of Construction.

Background

By the authority described in Standard Specifications Section 9-1.03A, compensation for extra work 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 the Overtime or Multiple Shift periods will be:

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.

Right of Way Delay

As described in Section 8-1.09 of the Standard Specifications, the Right of Way Delay Factor applied to the equipment rental rate will be the basis for compensation for idle equipment time on Right of Way Delays. The factor has been calculated to include the ownership costs without including operating costs. The Right of Way Delay Factor recovers all the contractor's non-operating costs in an eight hour day. Payment for equipment on Right of Way Delay 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 Right of Way 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 Caltrans Daily Extra Work Bill (CEM-4902 Series). 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 use of old publications or expired rates should be avoided**.

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 Rate book. Attachments other than those described by these remarks will be paid only upon direction of the Resident Engineer.

EQUIPMENT RENTAL RATES

NOTE--THE FOLLOWING RATES ARE IN EFFECT FROM APRIL 1, 2004 THROUGH MARCH 31, 2005

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**	$3.05
Clam action Over 1 CY to 2 CY	**C2**	$5.36
Clam action Over 2 CY to 3.5 CY	**C3**	$7.76
Clam action Over 3.5 CY to 5 CY	**C4**	$11.06
Clam action bucket Over 5 CY	**C5**	$15.28
Ripper on No. 1 models	**R1**	$1.83
Ripper on No. 2 models	**R2**	$2.40
Ripper on No. 3 models	**R3**	$3.99
Ripper on No. 4 models	**R4**	$4.53
Ripper on No. 5 models	**R5**	$7.44
Ripper on No. 6 models	**R6**	$11.76
Ripper on No. 7 models	**R7**	$13.64
Ripper on No. 8 models	**R8**	$22.66
Winch on No. 1 models	**S1**	$2.17
Winch on No. 2 models	**S2**	$3.23
Winch on No. 3 models	**S3**	$4.28
Winch on No. 4 models	**S4**	$5.50
Winch on No. 5 models	**S5**	$9.61
Lift gate	**TG**	$0.63
Pump, water truck only	**TP**	$4.28
Winch, truck	**TW**	$0.23
Gas welding hose per 15.2 m (50 lf)	**WH**	$0.01
Elec welding lead per 30.5 m (100 lf)	**WL**	$0.13

AIR COMPRESSORS [AIRCP]

DELAY FACTOR = 0.22 **OVERTIME FACTOR = 0.80**

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**	$2.13
19 (40)	76 (160)	**004-016**	$7.97
76 (160)	118 (250)	**016-025**	$9.13
118 (250)	212 (450)	**025-045**	$16.91
212 (450)	354 (750)	**045-075**	$26.96
354 (750)	566 (1200)	**075-120**	$41.26
566 (1200)	708 (1500)	**120-150**	$52.85

AIR DRILLS, CRAWLER [AIRDL]

DELAY FACTOR = 0.51 **OVERTIME FACTOR = 0.53**

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**	$18.77
100 (4)	& Over	**5**	$19.19

AIR TOOLS [AIRTO]

DELAY FACTOR = 0.62 **OVERTIME FACTOR = 0.40**

All types including paving breakers, clayspades 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**	$0.31
4.5 (10)	9.1 (20)	**10-20**	$0.34
9.1 (20)	13.6 (30)	**20-30**	$0.61
13.6 (30)	18.1 (40)	**30-40**	$0.72
18.1 (40)	27.2 (60)	**40-60**	$0.78
27.2 (60)	& Over	**60**	$1.10

ASPHALT DIKE & SHOULDER PAVERS [ASDSP]

DELAY FACTOR = 0.19 **OVERTIME FACTOR = 0.85**

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

A.C. DIKE COMPANY **[ACDC]**

Model	Code	Rate
No. 1	**4050**	$36.09
No. 2	**4052**	$39.78
Nos. 43, 44	**4054**	$63.25

ASPHALT PAVING COMPANY **[APCO]**

Model	Code	Rate
E-1	**4000**	$63.09
E-2, E3	**4002**	$111.20

BLAW-KNOX **[B-K]**

Model	Code	Rate
RW-35 / 38	**4075**	$47.03
RW-85	**4077**	$17.94
RW-95	**4079**	$29.00
RW-100	**4081**	$64.94
RW-195D	**4083**	$86.64

DELTA **[DLTA]**

Model	Code	Rate
DC-1	**4095**	$95.19

ASPHALT PAVERS [ASPAV]

DELAY FACTOR = 0.25 **OVERTIME FACTOR = 0.80**

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

BARBER-GREENE **[B-G]**

Model	Code	Rate
BG 220	**0805**	$64.74
BG 225	**0810**	$72.34
BG 240	**0815**	$74.92
BG 245	**0820**	$84.90
BG 260	**0825**	$90.40
BG 260B	**0826**	$129.69
BG 265	**0830**	$108.14
RT 435, 4wd	**0905**	$80.04
RT 445, 4wd	**0925**	$82.27
RT 455, 4wd	**0945**	$80.25
RT 455, 4wd, 10-20' screed	**0955**	$84.08
RT 465, 4wd	**0965**	$100.02
SA 125	**1419E**	$60.71
SB 131	**1420**	$75.69
SB 140	**1425**	$89.56
SA 141	**1430**	$59.58
SA 145	**1432**	$82.77
SA 150	**1435**	$101.35
SB 170	**1440**	$96.34

BLAW-KNOX **[B-K]**

Model	Code	Rate
PF-22	**1490**	$27.73
PF-35	**1550**	$47.73
PF-115	**1750**	$90.66
PF-120H	**2010**	$76.54
PF-171	**2090**	$123.46
PF-180	**2100**	$39.91
PF-180H	**2204**	$129.13
PF-200	**2250**	$122.56
PF-200, 18' screed	**2252**	$125.53
PF-220	**2300**	$120.87
PF-400A	**2350**	$111.74
PF-500	**2404**	$132.16
PF-500, 18' screed	**2406**	$135.33
PF-510, 18' screed	**2407**	$144.96
PF-3172, 18' screed	**2408**	$113.75
PF-3200	**2410**	$146.54
PF-5510	**2415**	$153.45

CATERPILLAR **[CAT]**

Model	Code	Rate
AP-200	**2420**	$25.41
AP-800	**2430**	$81.47
AP-1050	**2431**	$132.14
AP-1000	**2435**	$128.50
AP-1000 4wd	**2436**	$134.59
AP-1055B	**2438**	$158.53
AP-1200	**2440**	$99.05

CEDAR RAPIDS **[CEDR]**

Model	Code	Rate
BSF-2H	**2550**	$60.69
BSF-3R	**2600**	$61.54
CR-351	**2668A**	$102.23
CR-351 4wd	**2668B**	$106.78
CR-431	**2669**	$88.98
CR-551	**2670**	$138.76
CR-461	**2672**	$136.72
CR-561	**2674**	$148.25

LAYTON **[LYTN]**

Model	Code	Rate
F-525	**2680**	$14.24
D-550	**2682**	$16.62
H-500B	**2684**	$6.81

ASPHALT WINDROW/PICKUP MACHINES [ASPWP]

DELAY FACTOR = 0.15 **OVERTIME FACTOR = 0.88**

Includes all attachments and accessories.

ATHEY **[ATHY]**

Model	Code	Rate
7-11	**5000**	$45.10

BARBER-GREENE **[B-G]**

Model	Code	Rate
BG-610H	**5100**	$39.77

CATERPILLAR **[CAT]**

Model	Code	Rate
WE-601B	**5200**	$39.20

CLARK'S WELDING COMPANY **[CLAR]**

Model	Code	Rate
500	**5300**	$29.59
601	**5304**	$22.09
Lincoln 660	**5305**	$55.23

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

Model	Code	Rate
851	**5405**	$49.18

AUGERS, CRAWLER MOUNTED [AUGCL]

DELAY FACTOR = 0.40 **OVERTIME FACTOR = 0.63**

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]**

Model	Code	Rate
8400 TD limited access	**1500**	$86.24

TEXOMA **[TXMA]**

Model	Code	Rate
TAURUS	**2010**	$183.30
700CL	**2100**	$107.40

WATSON **[WATS]**

Model	Code	Rate
2000CM	**2500**	$77.01
2500CM	**2505**	$122.21
3000CM	**2510**	$138.54
3100CM	**2515**	$145.14

AUGERS, HORIZONTAL [AUGHZ]

DELAY FACTOR = 0.37 **OVERTIME FACTOR = 0.66**

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]**

Model	Code	Rate
360	**5000**	$99.91
420 series 1250	**5002**	$102.86

AMERICAN AUGER **[AMAU]**

Model	Code	Rate
36-350	**5014**	$20.07

BORZALL **[BORZ]**

Model	Code	Rate
2300-10	**5040**	$5.71
4265-10	**5042**	$7.73

DITCH WITCH **[D-W]**

Model	Code	Rate
2510	**5040**	$35.32

AUGERS, TRUCK MOUNTED [AUGTK]

DELAY FACTOR = 0.32 **OVERTIME FACTOR = 0.71**

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]**

Model	Code	Rate
LDH-80	**5000**	$153.41
LDH-100	**5005**	$123.73
LLDH-80	**5010**	$154.65
LLDH-120	**5015**	$168.02

CALWELD **[CALW]**

Model	Code	Rate
150-A	**5050**	$53.40
200	**5052**	$73.33
4500LH	**5054**	$119.57

HUGHES **[HUGH]**

Model	Code	Rate
EZ 112	**5070**	$48.39
EZ 120	**5071**	$54.52
LDH-100	**5072**	$95.83
LDH-80	**5074**	$94.35
LLDH-120	**5076**	$140.78
LLDH-80	**5078**	$127.85

P.D.E. **[PDE]**

Model	Code	Rate
M -100	**5084**	$19.57
M-400 with hammer	**5085**	$24.27

TEXOMA **[TXMA]**

Model	Code	Rate
Economatic 115	**5087**	$56.07
Super Economatic	**5089**	$51.57
80	**5090**	$106.52
270	**5093**	$59.18
330	**5095**	$60.16
330 with hammer	**5095B**	$67.92
500 with hammer	**5096B**	$69.80
600	**5097**	$77.74
700	**5099**	$130.22

WATSON **[WATS]**

Model	Code	Rate
1000	**6010**	$38.01
2000	**6012**	$95.12
3000	**6014**	$149.94

BITUMINOUS DISTRIBUTORS [BITDT]

DELAY FACTOR = 0.21 **OVERTIME FACTOR = 0.81**

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).

OVER	TO	Code	Rate
0	1136 (300)	**0-300**	$3.52

TRUCK MOUNTED **[TRMD]**

Including truck. Capacity rated in liters (U.S. gallons).

OVER	TO	Code	Rate
0	3028 (800)	**00-08**	$31.69
3028 (800)	5299 (1400)	**08-14**	$41.17
5299 (1400)	6831 (1800)	**14-18**	$42.85
6831 (1800)	11355 (3000)	**18-30**	$44.19
11355 (3000)	15140 (4000)	**30-40**	$47.01

BROOMS & SWEEPING EQUIPMENT [BRMSW]

DELAY FACTOR = 0.24 **OVERTIME FACTOR = 0.78**

Includes all attachments and accessories with brooms of any type. Includes broom wear.

BROOMS - MOUNTED & TOWED **[MTTD]**

Includes traction, PTO or engine driven.

Model	Code	Rate
ALL	**ALL**	$13.01

BROOMS - SELF PROPELLED **[SFPR]**

Model	Code	Rate
ALL	**ALL**	$20.23

SWEEPERS - SELF PROPELLED, PICK UP **[SWSP]**

Rated in accordance with hopper size in cubic meters (cubic yards).

OVER	TO	Code	Rate
0	2.3 (3.0)	**0-3**	$47.66
2.3 (3.0)	4.6 (6.0)	**3-6**	$65.06
4.6 (6.0)	6.9 (9.0)	**6-9**	$72.60

BRUSH CHIPPING & SHREDDING MACHINES [BRUCP]

DELAY FACTOR = 0.13 **OVERTIME FACTOR = 0.88**

Includes all attachments, accessories and power unit. Rated in accordance with the cutter head width in millimeters(inches)

BRUSH CHIP & SHRED **[BCSM]**

OVER	TO	Code	Rate
0	230 (9)	**00-09**	$12.91
230 (9)	300 (12)	**09-12**	$19.12
300 (12)	405 (16)	**12-16**	$19.29

COMPACTORS, HAND GUIDED [COMHG]

DELAY FACTOR = 0.29 **OVERTIME FACTOR = 0.73**

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]**

OVER	TO	Code	Rate
0	113 (250)	**0-250**	$1.81
113 (250)	& Higher	**250**	$5.01

CONCRETE MIXERS [CONMX]

DELAY FACTOR = 0.20 **OVERTIME FACTOR = 0.82**

STATIONARY OR PORTABLE **[SORP]**

Rated by Mfr's capacity in cubic meters (sacks or cubic feet).

OVER	TO	Code	Rate
0	0.10 (3.5)	**0-3.5**	$0.90
0.10 (3.5)	0.17 (6.0)	**03.5-6**	$1.40
0.17 (6.0)	0.31 (11)	**06-11**	$1.83
0.31 (11)	0.45 (16)	**11-16**	$2.62

TRANSIT MIX **[TRMX]**

PTO type, including carrier. Rated by Mfr's capacity in cubic meters (cubic yards).

OVER	TO	Code	Rate
6.4 (9)	7.6 (10)	**09-10**	$73.25
7.6 (10)	9.2 (12)	**10-12**	$69.93

CONCRETE PUMPS [CONPM]

DELAY FACTOR = 0.27 **OVERTIME FACTOR = 0.76**

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

ELBA **[ELBA]**

Model	Code	Rate
K-8020	**1000**	$55.60

MAYCO **[MACO]**

Model	Code	Rate
C-30HD	**1020**	$9.17
LST-30/60S	**1024**	$16.65

SCHWING **[SHWG]**

Model	Code	Rate
BPA-1000	**1050**	$24.12
WP-1000X	**1052**	$28.90
WP-1250X	**1054**	$36.13
900-1200 w/28 m boom	**1055**	$71.24
900-1200 w/32 m boom	**1057**	$75.94
BPL 1200 w/36 m boom	**1058**	$82.09

THOMSEN **[THOM]**

Model	Code	Rate
A-3.75 w/ mixer	**1070**	$12.51
A-7	**1072**	$9.75
11 pump w/28 m boom	**1078**	$81.68
12 pump w/32 m boom	**1082**	$89.13
14 pump w/36 m boom	**1084**	$134.17

CONCRETE SLIPFORM PAVERS [CONSF]

DELAY FACTOR = 0.28 **OVERTIME FACTOR = 0.77**

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

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

Model	Code	Rate
SF-250	**2002**	$115.08
SF-350 series 2	**2004**	$203.84
SF-550	**2006**	$256.80

GOMACO **[GOMA]**

Model	Code	Rate
GP-2000	**2020**	$112.55
GP-2500	**2022**	$124.22
GP-3500	**2024**	$185.50

CONCRETE VIBRATORS [CONVB]

DELAY FACTOR = 0.42 **OVERTIME FACTOR = 0.60**

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]**

Model	Code	Rate
Each Vibrating Head	**EVHD**	$0.61

CURB EXTRUSION MACHINES [CRBEX]

DELAY FACTOR = 0.29 **OVERTIME FACTOR = 0.76**

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]**

OVER	TO	Code	Rate
0	460 (18)	**0-18**	$19.00
460 (18)	& Over	**18 PLUS**	$54.92

CONCRETE BARRIER SLIPFORM PAVERS [CRBSF]

DELAY FACTOR = 0.28 **OVERTIME FACTOR = 0.77**

Includes all attachments, accessories and barrier or curb molds.

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

Model	Code	Rate
SF-175	**3000**	$87.90

CURBMASTER **[CURB]**

Model	Code	Rate
CMT-800	**3020**	$58.11

GOMACO **[GOMA]**

Model	Code	Rate
GT-6000-(78&90)	**3040**	$59.37
COMMANDER II	**3045**	$70.49
COMMANDER III	**3050**	$94.76

MILLER FORMLESS **[MILL]**

Model	Code	Rate
M-7500	**3063**	$73.05
M-8100	**3065**	$98.58
M-8800	**3067**	$132.33

ELECTRIC GENERATORS & LIGHT PLANTS [ELGEN]

DELAY FACTOR = 0.20 **OVERTIME FACTOR = 0.82**

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**	$0.38
1	3	**001-003**	$0.85
3	7.5	**003-008**	$1.78
7.5	15	**008-015**	$4.03
15	25	**015-025**	$6.27
25	50	**025-050**	$6.59
50	100	**050-100**	$11.32
100	200	**100-200**	$22.04
200	300	**200-300**	$36.28
300	400	**300-400**	$50.15
400	500	**400-500**	$63.25

LIGHTS **[LITE]**

Includes trailer, pole and generator.

Model	Code	Rate
2 Light Set	**2 LIGHT**	$2.18
4 Light Set	**4 LIGHT**	$4.79

ELECTRIC POWERED HAND TOOLS [ELTOL]

DELAY FACTOR = 0.62 **OVERTIME FACTOR = 0.40**

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**	$0.23
600	800	**060-080**	$0.30
800	1000	**080-100**	$0.39

FORK LIFT TRUCKS [FKLFT]

DELAY FACTOR = 0.32 **OVERTIME FACTOR = 0.70**

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**	$14.29
1814 (4000)	2722 (6000)	**040-060**	$18.98
2722 (6000)	3629 (8000)	**060-080**	$21.56
3629 (8000)	5443 (12000)	**080-120**	$28.96
5443 (12000)	7258 (16000)	**120-160**	$31.67
7258 (1600)	9072 (20000)	**160-200**	$37.45
9072 (20000)	11340 (25000)	**200-250**	$38.11
11340 (25000)	13608 (30000)	**250-300**	$41.43
13608 (30000)	18144 (40000)	**300-400**	$54.84
18144 (40000)	22680 (50000)	**400-500**	$68.81
22680 (50000)	34020 (75000)	**500-750**	$95.76

GRADERS [GRADR]

DELAY FACTOR = 0.23 **OVERTIME FACTOR = 0.79**

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**	$11.08
747	**2178**	$17.42

CATERPILLAR **[CAT]**

Model	Code	Rate
120G 87V serial	**2685**	$39.53
130G 74V serial	**2695**	$44.72
12E 99E serial	**2710**	$20.62
12F 73G serial	**2768**	$31.03
12F 13K serial	**2826**	$26.52
12F 89H serial	**2884**	$27.03
12G 61M serial	**2890**	$46.54
12H	**2895**	$49.98
14E 72G serial	**3174**	$33.23
14G	**3180**	$69.68
14H	**3185**	$75.42
140 14U serial	**3250**	$34.32
140G 72V serial	**3260**	$49.29
140H	**3265**	$53.38
143H	**3267**	$60.20
16 49G serial	**3290**	$44.39
16 49G800 serial	**3348**	$64.73
16 G93U serial	**3360**	$97.81
16H	**3380**	$103.77
160H	**3385**	$61.79
163H	**3390**	$67.27

JOHN DEERE **[DEER]**

Model	Code	Rate
JD-570A	**3890**	$25.31
JD-570B	**3892**	$31.77
JD-670	**3900**	$28.93
JD-670A	**3905**	$35.22
JD-670CH	**3907**	$49.43
JD-770	**3910**	$32.90
JD-770A, 770A-H	**3915**	$41.71
JD-770B	**3916**	$49.15
JD-772CH	**3930**	$60.23

GALION **[GALN]**

Model	Code	Rate
A-400E	**4940**	$33.79
T-400A	**4980**	$31.08
T-500C	**5150**	$36.01

T-500L	**5204**	$32.72
T-500M	**5210**	$37.05

KOMATSU **[KOMA]**

Model	Code	Rate
GD 505A-2	**8980**	$35.49
GD 515A-1	**8986**	$39.52
GD 605A-2	**9000**	$38.76
GD 615A-1	**9005**	$47.15
GD 625A-1C	**9007**	$66.97
GD 655A-2	**9010**	$42.03

HAMMERS, DEMOLITION & PILE [HAMMR]

DELAY FACTOR = 0.33 **OVERTIME FACTOR = 0.71**

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

ABI **[ABI]**

Model	Code	Rate
HVR-60	**0100**	$22.93

AMERICAN PILE DRIVING EQUIPMENT **[APE]**

Model	Code	Rate
150	**0010**	$101.77
180	**0050**	$129.10
200/500	**0060**	$151.18
300 VIBRO	**0075**	$160.09
400B VIBRO	**0085**	$258.35

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

Model	Code	Rate
800	**0300**	$45.55
HYRAM 720	**0310**	$4.48
HYRAM 725	**0320**	$7.54
HYRAM 730	**0330**	$9.86
HYRAM 740	**0340**	$13.92
HYRAM 750	**0350**	$15.95
HYRAM 77	**0360**	$7.13
HYRAM 770	**0370**	$17.87
HYRAM 780	**0380**	$27.70
HYRAM 790	**0390**	$38.25
HYRAM 88	**0400**	$12.99

DELMAG **[DELM]**

Model	Code	Rate
D-12	**0500**	$20.44
D-16	**0510**	$26.34
D-22	**0520**	$41.85
D-30	**0530**	$30.09
D-30-32	**0540**	$49.38
D-36-32	**0560**	$65.14
D46-32	**0570**	$74.84
D62-22	**0580**	$125.11
D100-13	**0590**	$192.93

FOSTER **[FOST]**

Model	Code	Rate
1700	**0600**	$75.99
4030	**0630**	$108.08
FNV-1800	**0660**	$73.86
FNV-4150	**0693**	$139.77

HYDRAULIC POWER SYS **[HPSI]**

Model	Code	Rate
150	**0420**	$57.55
260	**0430**	$90.63
300	**0440**	$109.27

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

Model	Code	Rate
44-50	**0450**	$137.25
216	**0460**	$50.79
416L	**0470**	$82.63
812	**0480**	$123.56

KENT **[KENT]**

Model	Code	Rate
KHB10G	**0700**	$13.12
KHB 15G	**0710**	$19.45
KHB 30G	**0750**	$24.76
KHB 40G	**0760**	$36.28

NPK **[NPK]**

Model	Code	Rate
4XE	**0795**	$10.42
6XA	**0800**	$10.50
H-10XB	**0810**	$22.80
H-12X	**0815**	$27.70
H-16X	**0820**	$25.66
H-20X	**0840**	$31.87
H4X,HXA	**0860**	$8.24
H7X	**0880**	$12.18

OKADA **[OKAD]**

Model	Code	Rate
UB-5	**0900**	$6.12
UB-8	**0950**	$11.24

RAMMER **[RAMR]**

Model	Code	Rate
S-84	**1000**	$27.28
S-86	**1050**	$28.93

STANLEY **[STAN]**

Model	Code	Rate
MB250	**1100**	$3.85
MB2900	**1120**	$19.37

MB4900	**1140**	$35.02
MB550	**1160**	$6.19
MB800	**1180**	$9.54

TELEDYNE **[TELD]**

Model	Code	Rate
950X	**1190**	$24.38
TB1025	**1195**	$26.31
TB1425X	**1200**	$28.19
TB2225X	**1220**	$52.82
TB425	**1240**	$9.84
TB825X	**1260**	$17.67

TRAMAC **[TRMC]**

Model	Code	Rate
BRH1100	**1300**	$28.07
BRH125	**1310**	$8.02
BRH250	**1320**	$10.49
BRH400	**1330**	$9.60
BRH620	**1340**	$17.32
BRH750	**1350**	$18.93
BRV950	**1360**	$20.15

TUNKER **[TUNK]**

Model	Code	Rate
40.01	**1400**	$127.25
40.05	**1450**	$127.25
60.05	**1460**	$94.27

VULCAN **[VULC]**

Model	Code	Rate
1	**1500**	$22.64
010	**1520**	$30.88
100C	**1540**	$31.03
2300	**1560**	$85.44
80C	**1580**	$23.67

HYDRAULIC CRANES & EXCAVATORS, CRAWLER MOUNTED [HCECL]

DELAY FACTOR = 0.30 **OVERTIME FACTOR = 0.73**

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

BANTAM **[BANT]**

Model	Code	Rate
C 266	**0680**	$48.60
C 366	**0690**	$57.27
C 744	**1075**	$39.96

CASE **[CASE]**

Model	Code	Rate
9030B	**0100B**	$53.40
9040	**0110**	$60.53
9060B	**0120B**	$125.01
40E E-Boom	**1600**	$44.63
40E Y-Boom	**1601**	$45.03
50E	**1602**	$56.07
125B	**1602H**	$49.71
170C	**1602N**	$66.02
220B	**1602R**	$89.02
880B Y-Boom	**1609**	$31.24
980B	**1615**	$49.00
1080	**1615E**	$41.06
1080B	**1615J**	$42.67
1280	**1616**	$58.25
1280B	**1616E**	$52.56

CATERPILLAR **[CAT]**

Model	Code	Rate
312	**0300**	$31.89
312C	**0300C**	$33.63
312CL	**0300CL**	$34.49
315L	**0305**	$39.04
320	**0310**	$52.16
320BL	**0312**	$54.59
320L	**0315**	$53.60
322L	**0325**	$66.64
325	**0330**	$69.02
325BL	**0335**	$76.35
325L	**0340**	$73.73
330BL	**0345**	$93.82
330CL	**0345CL**	$99.19
330L	**0350**	$90.85
345BL	**0355**	$125.97
350L	**0360**	$134.10
375L	**0365**	$219.47
205	**1617**	$22.77
211	**1617E**	$30.37
213	**1617H**	$33.74
215	**1618**	$37.30
215B LC	**1619E**	$40.92
215C	**1619F**	$45.25
215D	**1619G**	$50.82
225	**1620**	$51.67
225LC	**1621**	$52.12
225D LC	**1622**	$66.49
227	**1623**	$55.18
229	**1625**	$70.82
231D	**1630**	$82.16
231DLC	**1635**	$83.73
235	**1640**	$87.16
235B	**1642**	$97.44
235 Front Shovel	**1645**	$96.96
235B Front Shovel	**1647**	$108.53
235C	**1648**	$109.85
235DLC	**1649**	$115.67
245	**1650**	$147.65
245B	**1650B**	$162.41
245 Front Shovel	**1652**	$159.44
245B Front Shovel	**1652B**	$177.87

E 180	**1653**	$42.44
EL 180	**1654**	$43.57
EL 200B	**1654E**	$48.38
E 240	**1655**	$55.41
EL 240	**1656**	$56.87
E 300	**1657**	$69.24
E 300B	**1657B**	$76.97
EL 300	**1658**	$71.14
EL 300B	**1658B**	$79.02

JOHN DEERE **[DEER]**

Model	Code	Rate
450LC	**1645**	$122.70
490	**1660**	$25.49
490E	**1660E**	$34.71
690A	**1685**	$29.46
690B	**1695**	$43.12
690C	**1697**	$38.77
690D	**1697D**	$41.91
690E LC	**1697ELC**	$51.46
790	**1698**	$49.38
790D	**1698D**	$54.89
790E LC	**1698ELC**	$63.84
792	**1699**	$59.19
890	**1700**	$78.48
890A	**1705**	$75.73
892D LC	**1708**	$70.55
990	**1720**	$88.15
992D LC	**1722**	$106.29
30	**1725**	$11.05
50	**1730**	$17.37
70	**1735**	$17.25
200LC	**1745**	$56.27

DROTT **[DROT]**

Model	Code	Rate
35D E boom	**1835**	$34.69
35D Y boom	**1845**	$35.10
40D E boom	**1930**	$40.94
40D Y boom	**1965**	$46.08
50D	**2005**	$53.62

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

Model	Code	Rate
FE 18	**9000**	$33.78
FE 20 HD	**9010**	$43.51
FE 20 LC	**9020**	$39.63
FE 28	**9030**	$54.79
FE 40 L	**9040**	$98.06

GRADALL **[GRAD]**

Model	Code	Rate
G 660	**0150**	$46.10
G 660B	**0160**	$55.53
G 660C	**0170**	$56.27
G 880B	**0210**	$62.34
G 880C	**0215**	$61.63
G 1000	**0230**	$93.18
XL4200	**0260**	$59.24
XL5200	**0280**	$71.60

HITACHI **[HIT]**

Model	Code	Rate
UH 07LC	**2630**	$43.64
UH 062	**2660**	$39.15
UH 172	**2695**	$82.69
UH 122	**2750**	$54.50
EX 150	**2797**	$42.88
EX 200 LC	**2800**	$51.03
EX 270 LC	**2806**	$78.58
EX 300LC-2	**2807**	$88.19
EX 300LC-3	**2807A**	$90.35
EX 330LC-5	**2807B**	$97.87
EX 370-5	**2807F**	$103.19
EX 400 LC	**2808**	$116.87
EX 450LC-5	**2808K**	$136.01
EX 550LC	**2809**	$172.94
EX 700	**2810**	$218.89
EX 750-5	**2815**	$220.02
EX 1100	**2880**	$274.95

HYUNDAI **[HYUN]**

Model	Code	Rate
200LC	**2950**	$48.77
210LC-3	**2952C**	$49.73
280LC	**2960**	$71.05
290LC	**2970**	$75.32
450LC	**3010**	$117.56

INTERNATIONAL **[INTL]**

Model	Code	Rate
630	**4250**	$32.46
640 HD	**4260**	$45.38
650 HD	**4280**	$55.66

KATO **[KATO]**

Model	Code	Rate
HD450 VII	**3050**	$32.78
HD700 VII LC	**3060**	$48.07
HD1250 VII LC	**3080**	$78.58

KOBELCO **[KOBL]**

Model	Code	Rate
SK200LC MARK III	**4687**	$51.26
K 903B	**4688**	$20.99
K 904D	**4693**	$24.14
K 904E	**4694**	$25.64
K 904 Mark II	**4694A**	$26.17
K 905	**4695**	$27.45

K 905A LC	**4697**	$30.23
K 907C	**4700**	$41.12
K 907D	**4702**	$44.41
K 907 LC	**4704**	$45.16
K 909A	**4710**	$57.09
K 909 LC	**4711**	$59.62
K 912A	**4712**	$67.34
K 914	**4715**	$83.54
K 916	**4717**	$92.41
SK270LC MARK IV	**4720**	$73.63
SK400LC MARK IV	**4725**	$123.64

KOEHRING **[KOEH]**

Model	Code	Rate
366 post 1980	**4752**	$67.80
466E	**4990**	$78.09
566	**5160**	$90.12
666, 666E	**5225**	$113.34
866, 866E	**5235**	$139.08
6611	**6000**	$26.40
6614	**6005**	$32.62
6612	**6010**	$31.88
6620	**6015**	$45.15
6625	**6020**	$55.49
6633	**6029**	$76.01
6644	**6040**	$103.78

KOMATSU **[KOMA]**

Model	Code	Rate
PC 120-5	**9485**	$36.29
PC 150-1	**9490**	$30.33
PC 150-3	**9495**	$38.67
PC 200 LC-2	**9500**	$38.17
PC 200-5	**9504**	$51.97
PC 200 LC-3	**9505**	$48.04
PC 200 LC-5	**9506**	$53.84
PC 220 LC-2	**9510**	$49.13
PC 220 LC-3	**9515**	$59.20
PC 220 LC-5	**9516**	$64.61
PC 220 LC-6	**9516F**	$70.34
PC 220 LC-7	**9516G**	$70.39
PC 280 LC-3	**9517**	$66.76
PC 300 LC-1, LC-2	**9520**	$62.41
PC 300 LC-3	**9525**	$78.48
PC 300 LC-5	**9526**	$92.99
PC 300 LC-6	**9526A**	$99.73
PC 360 LC-3	**9527**	$92.46
PC 400 LC-1	**9530**	$87.25
PC 400 LC-3	**9535**	$104.05
PC 400 LC-5	**9536**	$121.54
PC 400 LC-6	**9537**	$131.04
PC 600 LC-6	**9539**	$186.40
PC 650-1	**9540**	$163.50
PC 650-1 Front Shovel	**9550**	$178.29
PC 650-3	**9552**	$180.88
PC 750-6	**9555**	$218.34
PC 1000-1	**9560**	$292.02
PC 1000 LC-1	**9565**	$304.56
PC 1100 LC-6	**9575LC**	$338.06

LINK-BELT **[L-B]**

Model	Code	Rate
LS 1600	**5390**	$19.15
LS 2650	**5395**	$26.58
LS 2700C II	**5398**	$39.28
2700 QUANTUM	**5399**	$41.46
LS 2800	**5400**	$30.80
LS 2800A	**5402**	$39.25
LS 2800A PL	**5404**	$32.44
LS 2800 PL	**5405**	$29.60
LS 2800B	**5410**	$41.00
LS 3400	**5475**	$55.83
LS 3400C II	**5477**	$61.03
LS 4300	**5660**	$70.98
LS 4300C II	**5662**	$77.94
LS 4800	**5750**	$83.40
LS 4800 PL	**5755**	$69.76
LS 5400	**5805**	$92.59
LS 5800	**5810**	$98.83
LS 5800A	**5812**	$105.30
LS 5800C II	**5814**	$111.75
LS 6400	**5820**	$147.41
LS 7400	**5830**	$133.34
LS 7400A	**5840**	$179.88

MASSEY FERGUSON **[M-F]**

Model	Code	Rate
MF 450D	**6245**	$25.65
MF 450S	**6250**	$26.14

MITSUBISHI **[MITS]**

Model	Code	Rate
MS 090	**6290**	$19.89
MS 180-3	**6295**	$37.37
MS 180 LC-8	**6296**	$41.82
MS 230 LC-3	**6300**	$48.57
MS 240 LC-8	**6305**	$52.44
MS 280-2	**6310**	$59.10
MS 380-2	**6320**	$84.55
MS 450-8	**6330**	$93.50

NORTHWEST **[NW]**

Model	Code	Rate
35 DH	**6335**	$66.82
45 DH	**6340**	$78.40
55 DH	**6345**	$85.90
55 DH Series II	**6360**	$131.48

P&H **[P&H]**

Model	Code	Rate
H 750	**6628**	$34.20
H 1250	**6630**	$53.94
H 1750	**6635**	$73.84
H 2500	**6645**	$92.65
HS 2500	**6650**	$97.46

TAKEUCHI **[TAKU]**

Model	Code	Rate
TB 15	**7686**	$8.01
TB 025	**7686A**	$12.56
TB 045	**7686E**	$20.80
TB 070	**7686H**	$23.29
TB 10S	**7688**	$6.05
TB 35S	**7690**	$11.12
TB 68S	**7692**	$18.68
TB 800	**7695**	$8.37

HYDRAULIC CRANES & EXCAVATORS, SELF PROPELLED [HCESP]

DELAY FACTOR = 0.25 **OVERTIME FACTOR = 0.78**

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

BUCYRUS-ERIE **[B-E]**

Model	Code	Rate
300C/SP	**1670**	$37.90
320C	**1672**	$38.08
360C	**1678**	$38.42

BADGER **[BAGR]**

Model	Code	Rate
4425/30	**1565**	$54.58
4435	**1570**	$59.58
4435B	**1573**	$60.99
4435C	**1573C**	$71.61
4445	**1574**	$90.64
4450	**1575**	$66.40
4450B	**1577**	$73.37
4455	**1579**	$91.31

CASE **[CASE]**

Model	Code	Rate
40E E-Boom, Cruz Air	**1685**	$34.76
40E Y-Boom, Cruz Air	**1687**	$34.97
40F E-Boom, Cruz Air	**1687H**	$37.06
40F Y-Boom, Cruz Air	**1687K**	$37.89
45 E-Boom, Cruz Air	**1688**	$44.29
45 Y-Boom, Cruz Air	**1689**	$49.14
45B E-Boom, Cruz Air	**1689H**	$47.65
45B Y-Boom, Cruz Air	**1689K**	$48.40
880R E-Boom	**1690**	$29.55
880R Y-Boom	**1695**	$29.67
1085 E-Boom, Cruz Air	**1696E**	$36.89
1085 Y-Boom, Cruz Air	**1696Y**	$37.20
1085B Y-Boom, Cruz Air	**1696Z**	$41.03
1285 E-Boom, Cruz Air	**1697E**	$43.84
1285 Y-Boom, Cruz Air	**1697Y**	$43.99
3330 Low Profile	**1698E**	$18.77
3330B	**1698H**	$19.02

CATERPILLAR **[CAT]**

Model	Code	Rate
206	**1699**	$27.34
212	**1699E**	$34.28
214	**1699H**	$36.91
224	**1699J**	$45.82

GRADALL **[GRAD]**

Model	Code	Rate
G 3WD, 4x4	**0110**	$50.67

GROVE **[GROV]**

Model	Code	Rate
24	**3820**	$18.89
36	**3830**	$29.27
68	**3850**	$37.67
1012	**3870**	$46.54
2535	**3880**	$62.92
RT-48	**4030**	$31.20
RT-49	**4115**	$31.47
RT-58	**4285**	$32.71
RT-418	**4354**	$51.55
RT-420	**4356**	$51.55
RT-422	**4358**	$51.55
RT-500D	**4359**	$65.43
RT-525	**4360**	$41.77
RT-525B	**4362**	$44.71
RT-525C	**4363**	$57.27
RT-527.5	**4365**	$42.63
RT-528B	**4370**	$44.71
RT-528C	**4372**	$57.21
RT-60	**4520**	$38.36
RT-60S	**4540**	$40.31
RT-515	**4606**	$41.56
RT-518	**4607**	$43.53
RT-520	**4608**	$45.07
RT-522	**4609**	$44.29
RT-522C	**4609G**	$57.67
RT-625	**4630**	$49.82
RT-630	**4635**	$49.82
RT-630B	**4637**	$56.52
RT-635	**4640**	$53.79
RT-65 S	**4700**	$55.68
RT-740	**4710**	$67.09
RT-745	**4715**	$90.96
RT-75 S	**4720**	$61.80

RT-755	**4725**	$75.38
RT-760	**4727**	$111.68
RT-865	**4730**	$94.38
RT-865B	**4732**	$127.63
RT-875	**4735**	$117.29
RT-980	**4750**	$114.98
RT-990	**4760**	$139.31
RT-9100	**4790**	$174.13

KOMATSU **[KOMA]**

Model	Code	Rate
PW 210-1	**9580**	$65.45

LINK-BELT **[L-B]**

Model	Code	Rate
HSP 15	**5500**	$36.84
HSP 18	**5505**	$36.84
HSP 20	**5510**	$42.95
HSP 22	**5530**	$44.38
HSP 25	**5535**	$49.38
HSP 8015	**5538**	$49.23
HSP 8018	**5538E**	$49.23
HSP 8018XL	**5538G**	$58.39
HSP 8018C	**5538H**	$48.24
HSP 8025	**5538P**	$51.52
HSP 8025 S	**5538PF**	$54.01
HSP 8030	**5538Q**	$60.06
HSP 8035	**5538R**	$87.43
HSP 8040	**5538S**	$87.57
HSP 8050	**5538T**	$89.63
HSP 8055	**5538V**	$79.28
HSP 8060	**5539**	$102.76

LORAIN **[LORN]**

Model	Code	Rate
LRT 15H	**5730**	$37.26
LRT 15U	**5735**	$38.51
LRT 18U	**5740**	$39.01
LRT 35U	**5745**	$58.59
LRT 40U	**5750**	$59.58
LRT 150	**5755**	$37.60
LRT 150D	**5756**	$54.82
LRT 180	**5760**	$37.55
LRT 180D	**5760D**	$54.82
LRT 200	**5765**	$37.28
LRT 200D	**5765D**	$54.99
LRT 220	**5767**	$39.89
LRT 230	**5768**	$47.06
LRT 230D	**5768D**	$55.01
LRT 250	**5769**	$47.08
LRT 250D	**5769D**	$55.01
LRT 275	**5770**	$47.08
LRT 275D	**5770D**	$55.01
LRT 330	**5772**	$56.21
LRT 400	**5773**	$66.63
LRT 450	**5774**	$69.85
LRT 500	**5775**	$72.98
LRT 550	**5790**	$78.35

P&H **[P&H]**

Model	Code	Rate
OMEGA 14	**5790**	$36.50
OMEGA 15	**5792**	$36.50
OMEGA 18	**5794**	$36.94
OMEGA 25	**5795**	$52.20
OMEGA 20	**5796**	$37.64
OMEGA 23	**5796E**	$40.45
OMEGA 30	**5796J**	$54.70
OMEGA 35	**5796P**	$55.69
OMEGA 40	**5797**	$76.70
OMEGA 45	**5797E**	$78.47
OMEGA 50	**5797J**	$79.90
OMEGA 60	**5798**	$75.74
OMEGA 65	**5799**	$99.43
OMEGA 114	**5799C**	$44.44
OMEGA 114D	**5799G**	$42.44
OMEGA 118	**5799Q**	$45.98
OMEGA 118D	**5799S**	$42.59
OMEGA 120	**5799U**	$47.67
OMEGA 120D	**5799W**	$43.31
OMEGA 122	**5799X**	$48.68
OMEGA 122D	**5799Y**	$43.91
OMEGA 125	**5799Z**	$49.06
OMEGA 128	**5799ZA**	$47.57
R 150	**5890**	$28.81
R 150-1	**5910**	$28.31
R 180	**5975**	$29.14
R 200	**6060**	$29.47
OMEGA S-15	**6062**	$54.46
OMEGA S-18	**6063**	$54.46
OMEGA S-20	**6064**	$57.11
S-35	**6064E**	$73.25

PETTIBONE **[PET]**

Model	Code	Rate
16 MK P Series	**6500**	$33.54
20 MK P Series	**6580**	$34.18
25	**6740**	$29.14
25 MK P Series	**6750**	$34.93
29 MK P Series	**6880**	$35.99
30	**6900**	$29.14
30 MK P Series	**6903**	$37.00
30 SC, 30 SC P Series	**6910**	$45.83
60 SC	**6990**	$53.12
60 SC P Series	**6995**	$58.75
70	**7100**	$57.82
70 SC	**7165**	$56.28
70 SC P Series	**7170**	$62.61
80 MK P Series	**7250**	$59.58
80 SC P Series	**7260**	$60.99

R.O. PRODUCTS **[ROP]**

Model	Code	Rate
MC 5A	**8005**	$15.41
MC 50B	**8175**	$25.58
MC 50C	**8260**	$26.94

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

DELAY FACTOR = 0.22 **OVERTIME FACTOR = 0.81**

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]**

Model	Code	Rate
25 XC	**1360**	$55.74
30 XC	**1370**	$56.39
40 C	**1475**	$46.18
60 XC	**1590**	$93.74
65 C	**1592**	$79.29
90 XC	**1600**	$105.46

BADGER **[BAGR]**

Model	Code	Rate
300 Hydro-Scopic	**0550**	$39.43
460 Hydro-Scopic	**0555**	$47.34
666 Hydro-Scopic	**0560**	$64.83
888 Hydro-Scopic	**0600**	$70.47

BANTAM **[BANT]**

Model	Code	Rate
T 744 Teleskoop	**1285**	$44.38
T 888	**1310**	$57.71
T 888B	**1315**	$65.11

DEVAULT **[DVUT]**

Model	Code	Rate
TK 15-10	**1900**	$26.66

GRADALL **[GRAD]**

Model	Code	Rate
G 3W	**0120**	$43.00
G 660	**0170**	$43.26
G 660B	**0180**	$53.75
G 660C	**0190**	$54.57
G 800	**0210**	$32.66
G 880B	**0220**	$62.22
G 880C	**0230**	$62.54
G 1000	**0240**	$74.61

GROVE **[GROV]**

Model	Code	Rate
TD 520	**2221**	$61.05
TD 522	**2223**	$61.05
TD 525	**2224**	$61.98
TMS 250	**2850**	$60.08
TMS 250A	**2860**	$60.56
TMS 250B	**2870**	$60.56
TMS 250C	**2875**	$89.53
TMS 300	**2922**	$72.37
TMS 300B	**2923**	$89.69
TMS 760	**3180**	$137.90
TMS 865	**3378**	$102.82
TM 875	**3380**	$124.12
TMS 875	**3385**	$124.98
TM 890	**3387**	$150.53
TM 1075	**3390**	$115.55

HIAB **[HIAB]**

Model	Code	Rate
100 AW	**3850**	$21.22
1165	**3852**	$18.86
170 thru 174	**3854**	$17.32
175 thru 177	**3855**	$17.47
550, 5501	**3857**	$19.57
650	**3859**	$20.51

KOEHRING **[KOEH]**

Model	Code	Rate
4460 Teleskoop	**4400**	$42.32
4465 Teleskoop	**4405**	$43.56
4470 Teleskoop	**4410**	$51.52
4475 Teleskoop	**4415**	$52.75

LINK-BELT **[L-B]**

Model	Code	Rate
HTC 14	**4505**	$57.61
HTC 25	**4507**	$57.61
HTC 35	**4509**	$67.59
HTC 50	**4510**	$85.68
HTC 50W	**4520**	$81.49
HTC 814	**4530**	$80.56
HTC 814XL	**4531**	$85.54
HTC 822 S	**4532**	$72.11
HTC 825	**4535**	$64.12
HTC 825 S	**4536**	$73.20
HTC 830	**4537**	$82.49
HTC 835	**4539**	$87.10
HTC 835XL	**4539C**	$100.42
HTC 840	**4539E**	$102.68
HTC 850	**4539G**	$107.79
HTC 855	**4539H**	$88.50
HTC 860	**4539J**	$111.93
HTC 1040	**4540**	$100.58
HTC 1050	**4545**	$104.42
HTC 1055	**4550**	$92.28
HTC 1060	**4555**	$109.16
HTC 11100	**4600**	$176.82

LORAIN **[LORN]**

Model	Code	Rate
MCH 140	**4942**	$66.52
MCH 150	**4946**	$59.09
MCH 180	**4947**	$59.09
MCH 300	**4953**	$72.05
MCH 350	**4955**	$63.27
MCH 400	**4957**	$80.66
MCH 500	**4960**	$72.66

MANITEX **[MANX]**

Model	Code	Rate
1161	**4980**	$24.48
1770	**4985**	$44.41
2284	**4990**	$46.42
2592	**4995**	$48.28

NATIONAL **[NATL]**

Model	Code	Rate
Ser 4/400, 11.3 m (37') boom	**4983**	$21.71
Ser 4/400, 14.0 m (46') boom	**4984**	$21.92
Ser 4/400, 16.8 m (55') boom	**4985**	$22.09
Ser 5/500A/B, 14.3 m (47') boom	**4986**	$26.32
Ser 5/500A/B, 17.1 m (56') boom	**4987**	$26.94
Ser 6/600, 14.3 m (47') boom	**4989**	$25.90
Ser 6/600, 17.1 m (56') boom	**4990**	$26.27
856	**4995**	$26.78
856B	**4996**	$25.93
875	**4997**	$27.53
875B	**4998**	$29.00
Series 85	**4999**	$22.35

P&H **[P&H]**

Model	Code	Rate
ALPHA 100 ton	**5000**	$187.57
CN T-280	**5005**	$84.58
T-150	**5290**	$55.43
T-180	**5380**	$55.88
T-200	**5470**	$56.43
T-250	**5560**	$67.36
CN T-250	**5561**	$87.02
OMEGA T-250	**5570**	$67.96
OMEGA T-300	**5580**	$71.32
OMEGA T-350	**5585**	$72.57
T-300A	**5665**	$66.44
OMEGA T-400	**5666M**	$89.93
OMEGA T-450	**5669**	$91.68
T-600 XL	**5670**	$95.93
OMEGA T-500	**5680**	$91.67
OMEGA T-650	**5745**	$116.23
T-750	**5780**	$92.92

PITMAN **[PIT]**

Model	Code	Rate
Hydralift HL 40 thru 95	**6670**	$17.70
Hydralift HL 100 thru 170	**6675**	$20.38
HL 857	**6685**	$25.45
HL 1200, 1545-T2 or 1580	**6695**	$27.90
POLECAT	**6697**	$29.24
PELICAN	**6699**	$32.13

R.O. PRODUCTS **[ROP]**

Model	Code	Rate
TC-40	**6860**	$18.68
TC-50	**6862**	$20.29
TC-70	**6864**	$21.68
TC-80	**6866**	$21.78
TC-85	**6868**	$21.28
TC-110	**6870**	$24.76
TC-120	**6872**	$25.31
TC-125	**6874**	$25.00
TC-145	**6876**	$28.04
TC-150	**6878**	$26.36

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

DELAY FACTOR = 0.20 **OVERTIME FACTOR = 0.83**

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]**

Model	Code	Rate
H-3 series two	**1000**	$23.56
H-5 series two	**1300**	$29.77

GALION **[GALN]**

Model	Code	Rate
125 P	**1970**	$25.45
150 P	**1980**	$31.51

GROVE **[GROV]**

Model	Code	Rate
TM 100C	**2020**	$33.37
TM 200C	**2040**	$35.55

HYDRAULIC PERSONNEL LIFTS & AERIAL WORK PLATFORMS [HYLFT]

DELAY FACTOR = 0.31 **OVERTIME FACTOR = 0.71**

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]**

OVER	TO	Code	Rate
0	7.6 (25)	**00-24**	$7.14
7.6 (25)	15.2 (50)	**25-49**	$19.15
15.2 (50)	22.9 (75)	**50-74**	$30.27

SCISSOR TYPE **[SCIS]**

OVER	TO	Code	Rate
0	6.1 (20)	**00-20**	$8.11
6.4 (21)	9.1 (30)	**21-30**	$10.37
9.4 (31)	15.2 (50)	**31-50**	$15.58

LOADERS, CRAWLER [LDRCL]

DELAY FACTOR = 0.22 **OVERTIME FACTOR = 0.81**

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

CASE **[CASE]**

Model	Code	Rate
350B	**2370**	$17.98
450B	**2610**	$18.50
455B	**2620**	$20.29
455C	**2620A**	$21.55
1155D	**3555**	$37.37
1155E	**3556**	$40.39
1450	**3560**	$38.73
1450B	**3565**	$44.10
1455B	**3568**	$44.98

CATERPILLAR **[CAT]**

Model	Code	Rate
931B	**3735**	$19.39
931C	**3735C**	$21.15
931 LGP	**3740**	$18.03
931B LGP	**3745**	$20.50
935B	**3845**	$23.71
935C	**3845C**	$25.63
939C	**3900**	$33.77
943	**4130**	$35.01
943 LGP	**4135**	$31.78
951C 86J 1992 serial	**4200**	$24.63
951C 86J 2598 serial	**4210**	$30.22
951C LGP 86J 2598 ser	**4215**	$31.05
953	**4220**	$46.68
953 LGP	**4230**	$41.62
955L 85J 6247 serial	**4675**	$36.13
955L 85J 13X10129 ser	**4680**	$42.25
955L LGP 85J 13X10129	**4685**	$42.59
963	**4690**	$64.97
963 LGP	**4693**	$55.22
973	**4695**	$97.82
973 LGP	**4698**	$78.06
977K	**5014**	$37.19
977K 11K serial	**5092**	$41.46
977L 11K 3919 serial	**5170**	$50.16
977L 11K 5083 serial	**5180**	$59.68
977L 14X serial	**5185**	$64.38
977L LGP	**5190**	$64.03
983	**5248**	$83.05
983B	**5265**	$95.25

JOHN DEERE **[DEER]**

Model	Code	Rate
JD 350C	**5420**	$18.66
JD 450C (4 speed PS)	**5805**	$20.35
JD 455D	**5807**	$21.79
JD 455E	**5809**	$21.53
JD 455G	**5809A**	$26.80
JD 555	**5810**	$23.37
JD 555A	**5812**	$26.21
JD 555B	**5814**	$25.43
JD 555G	**5814A**	$34.36
JD 655	**5815**	$38.02
JD 655B	**5817**	$45.69
JD 755	**5820**	$34.00
JD 755A	**5822**	$44.33
JD 755B	**5824**	$52.31
JD 855	**5830**	$66.20

DRESSER **[DRES]**

Model	Code	Rate
100E (PS)	**9000**	$21.72
100G	**9005**	$26.54
125E (PS)	**9010**	$27.37
125G	**9015**	$33.37
175C (PS)	**9020**	$55.21
200	**9025**	$67.22
250C (PS)	**9030**	$62.48
250E (PS)	**9035**	$73.10

KOMATSU **[KOMA]**

Model	Code	Rate
D 53S-16	**7878**	$34.93
D 53S-17	**7878A**	$47.87
D 55S-2	**7900**	$32.40
D 55S-3	**7978**	$32.40
D 57S-1	**8000**	$53.34
D 65S-6	**8017**	$43.91
D 66S-1	**8020**	$78.11
D 75S-2	**8056**	$47.10
D 75S-3	**8060**	$63.87

D 75S-5	**8061**	$104.11
D 155S-1	**8080**	$135.86

LOADERS, RUBBER TIRE [LDRRT]

DELAY FACTOR = 0.24 OVERTIME FACTOR = 0.78

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

ALLIS-CHALMERS [A-C]

Model	Code	Rate
710C	**0747**	$16.39
714B	**0750**	$15.47
714C w/ backhoe	**0752**	$18.03
715B w/ backhoe	**0765**	$17.43
715C w/ backhoe	**0767**	$18.30

CASE [CASE]

Model	Code	Rate
W-11	**1365**	$17.16
W-11B	**1368**	$20.30
W-18	**1444**	$25.81
W-18 9213140 serial	**1450**	$29.43
W-18B	**1460**	$32.12
W-20	**1472**	$29.55
W-20B	**1480**	$30.34
W-20C	**1482**	$32.92
W-30	**1565**	$44.43
480B	**1636**	$11.19
480B w/ backhoe	**1640**	$12.49
480C	**1650**	$14.94
480C w/ backhoe	**1660**	$16.52
480D	**1662**	$17.35
480D w/ backhoe	**1664**	$19.32
480E w/ backhoe	**1666**	$16.57
480E LL	**1667**	$15.34
480F w/ backhoe	**1668**	$17.89
480F LL	**1669**	$16.11
480LL	**1677**	$17.40
570L XT 4WD	**1690**	$19.11
580B w/ backhoe	**1705**	$15.53
580C	**1710**	$13.36
580C w/ backhoe	**1715**	$15.29
580D	**1717**	$14.74
580D w/ backhoe	**1720**	$17.27
580 Super D	**1725**	$16.10
580 Super D w/ backhoe	**1727**	$18.68
580 Super E	**1731**	$16.14
580 Super E w/ backhoe	**1735**	$18.91
580K w/ backhoe	**1739**	$19.20
580K 4WD w/ backhoe	**1740**	$20.31
580 Super K w/ backhoe	**1742**	$21.11
580L w/ backhoe	**1743**	$21.22
580 Super L 4WD w/ backhoe	**1744**	$25.19
590 Turbo w/ backhoe	**1745**	$25.67
590 Super L 4WD w/ backhoe	**1746**	$28.07
621	**1750**	$34.65
721	**1752**	$42.38
821	**1754**	$52.24
680E w/ backhoe	**1840**	$24.30
680G w/ backhoe	**1850**	$23.00
680H w/ backhoe	**1852**	$25.92
680K w/ backhoe	**1854**	$27.47
680L w/ backhoe	**1856**	$28.21
680L 4WD w/ backhoe	**1857**	$29.03
780 w/ backhoe	**1864**	$29.54
780B w/ backhoe	**1866**	$33.14
780C w/ backhoe	**1867**	$34.04
780D w/ backhoe	**1868**	$34.82
780D 4WD w/ backhoe	**1869**	$36.23

CATERPILLAR [CAT]

Model	Code	Rate
416 w/ backhoe	**1860**	$19.49
416 Series II w/ backhoe	**1860A**	$19.73
416B 4WD w/ extend-a-hoe	**1861A**	$25.03
416C 4WD w/ backhoe	**1861C**	$25.93
416D w/ backhoe	**1861D**	$20.98
416D 4WD w/ backhoe	**1861D4**	$21.96
420D w/ backhoe	**1861M**	$23.28
420D 4WD w/ backhoe	**1861M4**	$24.26
426 w/ backhoe	**1862**	$22.05
426 Series II w/ backhoe	**1862A**	$22.29
426C w/ backhoe	**1862C**	$27.89
426C 4WD w/ backhoe	**1862C4**	$29.27
428 w/ backhoe	**1864**	$22.02
428 Series II w/ backhoe	**1864A**	$22.27
436 w/ backhoe	**1866**	$23.80
436 Series II w/ backhoe	**1866A**	$24.00
446 w/ backhoe	**1868**	$32.25
446B w/ backhoe	**1868B**	$36.24
910	**1870**	$21.11
910E	**1870E**	$25.33
916	**1885**	$28.68
920	**1894**	$25.55
926	**2065**	$32.00
926E	**2067**	$35.73
928G	**2070G**	$43.93
930 41K serial	**2088**	$30.70
936	**2100**	$39.54
936E	**2110**	$43.52
936F	**2120**	$45.31
938F	**2130**	$47.05
938G	**2130G**	$51.81
950 90A serial	**2228**	$27.60
950 31K & 81J serial	**2270**	$39.34
950B	**2272**	$49.86
950E	**2300**	$54.51
950F	**2301**	$56.99
950F Series II	**2303**	$60.81
950G	**2310**	$64.21
962G	**2320G**	$69.40

966C	**2340**	$63.55
966D	**2350**	$66.43
966E	**2360**	$74.81
966F	**2361**	$76.72
966G	**2362**	$87.16
970F	**2370**	$90.73
972G	**2372G**	$96.39
980B	**2376**	$67.50
980C	**2378**	$96.90
980F	**2381**	$100.91
980G	**2382**	$111.15
988 87A6868 serial	**2398**	$80.36
988B 50W serial	**2436**	$142.63
992B 25K serial	**2460**	$151.92
992C	**2470**	$280.32
IT 12	**2472**	$21.90
IT 12B	**2472B**	$25.74
IT 14F	**2473**	$30.43
IT 18	**2474**	$27.39
IT 18B	**2475**	$31.32
IT 28	**2476**	$32.49
IT 28B	**2477**	$36.46
IT 28F	**2477G**	$42.99
IT 28G	**2478**	$45.31
IT 38G	**2480**	$51.48
IT 62G	**2482**	$70.65

CLARK **[CLRK]**

Model	Code	Rate
35C	**2484**	$25.07
45C	**2486**	$29.41
55C	**2488**	$35.07
75C	**2491**	$47.01
125B	**2492**	$56.99
275B	**2496**	$100.34
275C	**2497**	$119.51

JOHN DEERE **[DEER]**

Model	Code	Rate
JD-210C	**2485**	$14.69
JD-210C w/ backhoe	**2490**	$15.62
JD-210LE	**2495**	$19.83
JD-310A w/ backhoe	**2504**	$16.27
JD-310B w/ backhoe	**2506**	$16.98
JD-310C w/ backhoe	**2507**	$18.38
JD-310D w/ backhoe	**2507D**	$21.67
JD-310E w/ backhoe	**2507E**	$21.98
JD-310SE w/ backhoe	**2507F**	$24.47
JD-315SE w/ backhoe	**2507H**	$25.09
JD-410 w/ backhoe	**2508**	$18.22
JD-410B w/ backhoe	**2509**	$18.93
JD-410C w/ backhoe	**2509F**	$21.59
JD-410D w/ backhoe	**2509G**	$26.99
JD-410E w/ backhoe	**2509H**	$27.61
JD-444	**2510**	$23.46
JD-444C	**2515**	$25.51
JD-444D	**2520**	$25.57
JD-444E	**2521**	$28.60
JD-500C w/ backhoe	**2592**	$23.81
JD-510 w/ backhoe	**2620**	$20.26
JD-510B w/ backhoe	**2625**	$21.71
JD-510C w/ backhoe	**2630**	$24.87
JD-510D w/ backhoe	**2630D**	$31.16
JD-544B	**2660**	$29.19
JD-544C	**2670**	$30.85
JD-544D	**2672**	$29.73
JD-544E	**2673**	$33.23
JD-544G	**2673B**	$38.70
JD-610B w/ backhoe	**2690**	$24.83
JD-610C w/ backhoe	**2691**	$27.16
JD-624E	**2700**	$40.60
JD-624G	**2700G**	$48.37
JD-624H	**2700H**	$51.60
JD-644B	**2710**	$40.41
JD-644C	**2715**	$43.42
JD-644D	**2717**	$43.30
JD-644E	**2719**	$49.16
JD-644G	**2719B**	$59.48
JD-644H	**2719H**	$62.54
JD-710B w/ backhoe	**2720**	$30.97
JD-710C w/ backhoe	**2721**	$34.91
JD-710D w/ backhoe	**2722**	$41.00
JD-710D 4WD w/ backhoe	**2722D**	$43.00
JD-744H	**2723**	$87.25
JD-844	**2725**	$77.22

DRESSER **[DRES]**

Model	Code	Rate
510B	**2310**	$23.67
510C	**2310C**	$32.73
515B	**3517**	$30.42
515C	**3517C**	$39.25
520B	**3519**	$35.60
520C	**3519C**	$47.08
530	**3520**	$50.83
530C	**3520C**	$59.87
540	**3530**	$76.45
550	**3540**	$75.21

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

Model	Code	Rate
545B	**3042**	$27.88
745C	**3046**	$54.13
FR 10	**3049H**	$30.29
FR 10B	**3049I**	$34.26
FR 20	**3050**	$65.30
FR 30	**3051**	$87.17
FR 20B	**3051B**	$75.47
FR 35	**3052**	$120.52

FORD **[FORD]**

Model	Code	Rate
545C	**3054**	$16.01
650 w/ backhoe	**3056**	$16.84
655A w/ backhoe	**3056F**	$21.11
655C w/ backhoe	**3056G**	$24.38
750 w/ backhoe	**3057**	$23.24
755 w/ backhoe	**3061**	$26.52
755B w/ backhoe	**3063**	$30.55
755A w/ backhoe	**3065**	$29.11
A-62	**3114**	$25.63
A-64	**3116**	$31.04
A-66	**3118**	$41.49

FURUKAWA **[FURU]**

Model	Code	Rate
FL 320A	**3120M**	$56.34
FL 330	**3120S**	$61.76

HOUGH **[HOUG]**

Model	Code	Rate
H65C	**3578**	$36.69
H-90E	**3884**	$68.34
H-100C	**3954**	$77.62

INTERNATIONAL **[INTL]**

Model	Code	Rate
260A	**2260**	$16.01
260A w/ backhoe	**2270**	$17.71
270A w/ backhoe	**2280**	$19.55
280A w/ backhoe	**2285**	$25.38

J C B **[JCB]**

Model	Code	Rate
214S w/ backhoe	**4430**	$25.72
215S w/ backhoe	**4435**	$28.67
217S w/ backhoe	**4440**	$32.09
3C 1550 2WD w/ hoe	**4448**	$17.96
3D 1700 4WD w/ hoe	**4450**	$24.84
1400B w/ backhoe	**4455**	$20.42
1550B w/ backhoe	**4457**	$23.43
1600B w/ backhoe	**4458**	$27.28
1700B w/ backhoe	**4459**	$28.40

KAWASAKI **[KAWA]**

Model	Code	Rate
60Z IV	**4300**	$37.16
65Z IV	**4310**	$42.44
KSS 80Z II	**4330**	$51.39
80Z III	**4335**	$63.91
80Z IV	**4340**	$65.87
85Z IV	**4345**	$81.36
90Z III	**4350**	$89.23
90Z IV	**4355**	$93.22
95Z IV-2	**4360**	$121.25

KOMATSU **[KOMA]**

Model	Code	Rate
W 120-3	**4520**	$57.93
W 180-1	**4525**	$83.15
WA 200-1	**4536**	$34.22
WA 250-1	**4537**	$48.05
WA 300-1	**4538**	$44.05
WA 320-1	**4539**	$57.00
WA 350-1	**4540**	$53.76
WA 380-1	**4541**	$68.42
WA 380-3	**4541C**	$69.87
WA 400-1	**4542**	$63.32
WA 420-3	**4543C**	$80.98
WA 450-1	**4544**	$81.03
WA 450-2	**4544B**	$92.20
WA 450-3	**4544C**	$95.17
WA 470-1	**4545**	$89.13
WA 500-1	**4546**	$114.71
WA 600-1	**4550**	$168.38
WB 140-2 4WD	**4700**	$27.33
WB 150-2 4WD	**4710**	$31.81

MASSEY FERGUSON **[M-F]**

Model	Code	Rate
MF 44C	**5143**	$29.04
MF 50H Series S	**5150**	$16.95
MF 50H Series S, 4WD	**5152**	$17.66
MF 50HX Series S	**5154**	$18.08
MF 50HX Series S, 4WD	**5156**	$18.98
MF 55C	**5170**	$37.61
MF 60 w/ backhoe	**5171**	$19.11
MF 60H Series S w/ hoe	**5172**	$20.42
MF 66C	**5174**	$49.18
MF 80 w/ backhoe	**5182**	$26.35
MF 88	**5184**	$78.03
640	**6000**	$17.44
650	**6010**	$18.63

NEW HOLLAND **[NHND]**

Model	Code	Rate
545D	**0100**	$17.08
575E w/ backhoe	**0110**	$24.79
655D w/ backhoe	**0120**	$23.11
655E w/ backhoe	**0130**	$27.39
675D 4WD w/ backhoe	**0140**	$26.87
675E 4WD w/ backhoe	**0150**	$31.55

TEREX **[TERX]**

Model	Code	Rate
70C	**7938**	$73.13
72-61	**8036**	$88.63
72-71B	**8055**	$119.31
72-81	**8080**	$148.47

VOLVO-MICHIGAN-EUCLID **[VME]**

Model	Code	Rate
175B	**6186**	$66.54
175C	**6186C**	$86.70
275B	**6330**	$86.45
275C	**6330C**	$119.51
L-70C	**9570C**	$39.85
L-90	**9575**	$48.52
L-120	**9595**	$62.45
L-120C	**9595C**	$63.00
L-150C	**9598C**	$80.00
L-160	**9600**	$84.95
L-180C	**9602C**	$91.87
L-190	**9605**	$99.58

LEADS, PILE DRIVING [LEADS]

DELAY FACTOR = 0.48 **OVERTIME FACTOR = 0.56**

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)

OVER	TO		Code	Rate
0	16.8 (55)	(w/o spotter)	**0100**	$14.44
16.8 (55)	32.0 (105)	(w/o spotter)	**0200**	$18.42
over	32.0 (105)	(w/o spotter)	**0300**	$23.09
0	16.8 (55)	(w/ spotter)	**1100**	$24.38
16.8 (55)	32.0 (105)	(w/ spotter)	**1200**	$29.12
over	32.0 (105)	(w/ spotter)	**1300**	$34.55

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).

OVER	TO		Code	Rate
0	16.8 (55)	(w/o spotter)	**0400**	$9.57
16.8 (55)	32.0 (105)	(w/o spotter)	**0500**	$13.35
over	32.0 (105)	(w/o spotter)	**0600**	$18.02
0	16.8 (55)	(w/ spotter)	**1400**	$19.52
16.8 (55)	32.0 (105)	(w/ spotter)	**1500**	$24.04
over	32.0 (105)	(w/ spotter)	**1600**	$29.47

NON-OPERATED EQUIPMENT (DAILY RATES) [NONOP]

DELAY FACTOR = 0.58 **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 TRAFC 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]**

Model	Code	Rate
Casing, 450 mm dia, per 0.3 m (Casing, 18" dia, per lf)	**0120**	$0.02
Casing, 650 mm dia, per 0.3 m (Casing, 26" dia, per lf)	**0130**	$0.04
Casing, 900 mm dia, per 0.3 m (Casing, 36" dia, per lf)	**0140**	$0.05
Casing, 1800 mm dia, per 0.3 m (Casing, 72" dia, per lf)	**0150**	$0.13
Casing, 2400 mm dia, per 0.3 m (Casing, 96" dia, per lf)	**0160**	$0.16
Casing, 2700 mm dia, per 0.3 m (Casing, 108" dia, per lf)	**0170**	$0.18
Casing, 3000 mm dia, per 0.3 m (Casing, 120" dia, per lf)	**0180**	$0.24
Pile, all depths "H" pile, per 45.0 kg (Pile, all depths "H" pile, per hundred-weight)	**0190**	$0.02
Pipe, 250-300 mm dia, per 0.3 m (Pipe, 10-12" dia, per lf)	**0200**	$0.02
Plate, 22 mm thick, per 9.3 sm (Plate, 7/8" thick, per 100 sf)	**0210**	$0.78
Plate, 25 mm thick, per 9.3 sm (Plate, 1" thick, per 100 sf)	**0220**	$0.89
Plate, 38 mm thick, per 9.3 sm (Plate, 1.5" thick, per 100 sf)	**0230**	$1.33

SCAFFOLDING, SHORING, FALSEWORK **[SSFW]**

Model	Code	Rate
Metal form, 1.8 m x3.0 m, per 14.6 m (Metal form, 6x10 box culvert, per 48 lf)	**0310**	$27.22
Metal form, 2.4 m x3.7 m, per 15.2 m (Metal form, 8x12 box culvert, per 50 lf)	**0320**	$30.15
Metal form, 2.1 m x4.3 m, per 15.2 m (Metal form, 7x14 box culvert, per 50 lf)	**0330**	$33.13
Metal form, type 25 barrier, per 3.0 m (Metal form, type 25 barrier, per 10 lf)	**0340**	$1.67
Metal form, type 26 barrier, per 3.0 m (Metal form, type 26 barrier, per 10 lf)	**0350**	$1.76
Metal form, type 27 barrier, per 3.0 m (Metal form, type 27 barrier, per 10 lf)	**0360**	$1.52
Metal form, type 50 barrier, per 3.0 m (Metal form, type 50 barrier, per 10 lf)	**0370**	$1.65
Metal form, 1.8 m x 3.7 m girder panel, per 0.1 sm (6x12 girder panel, per sf)	**0380**	$0.14

Metal form, all heights paving, per 3.0 m (Metal form, all heights paving, per 10 lf)	**0390**	$0.03
Scaffolding, 1.5 m section, per section (Scaffolding, 5' section, per section)	**0410**	$0.35
Scaffolding, 3.0 m section, per section (Scaffolding, 10' section, per section)	**0420**	$0.78
Scaffolding, 4.6 m section, per section (Scaffolding, 15' section, per section)	**0430**	$1.02
Scaffolding, bottom/top section, per 1.5 m section (per 5 ft section)	**0440**	$0.48
Scaffolding, 2.1 m high, rolling (Scaffolding, 7' high, rolling)	**0450**	$0.73
Scaffolding, spider staging, plus air compressor	**0460**	$15.06
Shoring, 1.1 m deep x 2235 mm wide, per section (Shoring,3.5' deep x 88" wide trench, per section)	**0510**	$0.78
Shoring, 1.2 m deep x 3.7 m wide box, per 7.3 m (Shoring, 4' deepx12' wide trench box, per 24')	**0515**	$7.39
Shoring, 1.5 m deep x 2235 mm wide, per section (Shoring, 5' deep x 88" wide trench, per section)	**0520**	$0.82
Shoring, 2.1 m deep x 1397 mm wide, per section (Shoring, 7' deep x 55" wide trench, per section)	**0530**	$0.72
Shoring, 2.1 m deep x 2235 mm wide, per section (Shoring, 7' deepx88" wide trench, per section)	**0540**	$0.86
Shoring, 2.4 m deep x 4.6 m wide, per 3.0 m (Shoring, 8' deepx15' wide trench box, per 10')	**0550**	$6.13
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**	$12.00
Shoring, 3.0 m deep x 2.4 m max box, per 4.9 m (Shoring, 10' deepx8' max trench box, per 16')	**0570**	$10.79
Shoring, 3.0 m deep x 2.4 m max box, per 7.3 m (Shoring, 10' deepx8' max trench box, per 24')	**0580**	$14.97
Wood, 50 mm x255 mm, per 30.5 m (Wood, 2"x10", per 100 lf)	**0605**	$0.10
Wood, 50 mm x305 mm, per 30.5 m (Wood, 2"x12", per 100 lf)	**0610**	$0.12
Wood, 100mm x100mm, per 30.5 m (Wood, 4"x4", per 100 lf)	**0615**	$0.08
Wood, 100 mm x150 mm, per 30.5 m (Wood, 4"x6", per 100 lf)	**0620**	$0.12
Wood, 100 mm x205 mm, per 30.5 m (Wood, 4"x8", per 100 lf)	**0625**	$0.17
Wood, 100 mm x305 mm, per 30.5 m (Wood, 4"x12", per 100 lf)	**0630**	$0.26
Wood, 150 mm x305 mm, per 30.5 m (Wood, 6"x12", per 100 lf)	**0635**	$0.42
Wood, 150 mm x455 mm, per 30.5 m (Wood, 6"x18", per 100 lf)	**0640**	$0.69
Wood, 205 mm x405 mm, per 30.5 m (Wood, 8"x16", per 100 lf)	**0645**	$0.84
Wood, 305 mm x455 mm, per 30.5 m (Wood, 8"x18", per 100 lf)	**0650**	$0.95
Wood, 305 mm x305 mm, per 30.5 m (Wood, 12"x12", per 100 lf)	**0655**	$0.82
Wood form, type 27 barrier, per 2.4 m (Wood form, type 27 barrier, per 8 lf)	**0660**	$0.18
Wide flange beam, all depths, per 45 kg (Wide flange beam, all depths, per hundred wt.)	**0670**	$0.02

TANK **[TANK]**

Model	Code	Rate
Tank, metal, 0-2270 liters (0-600 gallons)	**0710**	$0.46
Tank, metal, 2270-4540 liters (600-1200 gal)	**0720**	$0.63
Tank, metal, 4540-9840 liters (1200-2600 gal)	**0730**	$1.56
Tank, metal, 22 710 liters (6000 gallons)	**0740**	$3.14
Tank, metal, 28 390 liters (7500 gallons)	**0750**	$3.94
Tank, metal, 30 280 liters (8000 gallons)	**0760**	$4.17
Tank, metal, 37 850 liters (10000 gallons)	**0770**	$4.62

TRAFFIC SAFETY **[TRAF]**

Model	Code	Rate
Crash cushion barrel, filled, each	**0810**	$0.31
K-rail, temporary concrete barrier, per 6.1 m (20 lf)	**0820**	$0.30

PAVEMENT GRINDERS, DIAMOND BLADES [PGDIA]

DELAY FACTOR = 0.12 **OVERTIME FACTOR = 0.89**

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]**

Model	Code	Rate
BC-38 (136 blades)	**0500**	$128.33
BC-244 (187 blades)	**0505**	$164.27
BC-1268 (48 blades)	**0510**	$53.66

CUSHION CUT **[CUCT]**

Model	Code	Rate
HG-130A (127 blades)	**0600**	$133.97
PC-390(171 blades)	**0610**	$202.32

PENHALL **[PENH]**

Model	Code	Rate
G-38 (172 blades)	**0800**	$254.24

TARGET **[TARG]**

Model	Code	Rate
CG-65 (41 blades)	**0900**	$90.69
PRM-3804 (170 blades)	**0905**	$278.65

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

DELAY FACTOR = 0.19 **OVERTIME FACTOR = 0.84**

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]**

Model	Code	Rate
RX-20	**0100**	$122.62
RX-30	**0105**	$193.46
RX-40B	**0110**	$215.87
RX-50	**0115**	$254.55
RX-80B	**0120**	$404.59

CATERPILLAR **[CAT]**

Model	Code	Rate
PM-800	**0200**	$328.89
PR-105	**0201**	$64.82
PR-275	**0205**	$171.01
PR-450	**0210**	$235.75
PR-750	**0215**	$321.28
PR-750B	**0216**	$346.19
PR-1000	**0220**	$448.86

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

Model	Code	Rate
PR-275 RT	**0150**	$159.20
PR-375	**0155**	$194.47
PR-450	**0160**	$223.42
PR-525	**0165**	$225.35
PR-500FL	**0170**	$259.56
PR-750	**0175**	$304.05
PR-800-7	**0177**	$337.36
PR-1000	**0180**	$403.06

INGERSOLL-RAND **[I-R]**

Model	Code	Rate
MW-175	**0280**	$68.93
MW-250	**0285**	$76.96
MW-250C	**0286**	$94.65
MT-6520 (crawler)	**0300**	$221.65
MW-6520	**0305**	$164.46
MW-6520HC	**0310**	$197.39
MT-7000	**0315**	$275.52

WIRTGEN **[WIRT]**

Model	Code	Rate
300VC	**0380**	$28.54
1000VC	**0390**	$112.59
1900DC	**0395**	$242.89
2000VC	**0400**	$233.48
2100VC	**0402**	$300.63
2200VC	**0405**	$373.91
3500VC	**0410**	$386.32
4200VC	**0420**	$403.98

PUMPS, WATER [PUMWA]

DELAY FACTOR = 0.41 **OVERTIME FACTOR = 0.62**

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.

OVER	TO	Code	Rate
0	0.6 (10)	**000-010**	$1.80
0.6 (10)	1.3 (20)	**010-020**	$2.48
1.3 (20)	1.9 (30)	**020-030**	$3.41
1.9 (30)	3.2 (50)	**030-050**	$10.54
3.2 (50)	7.9 (125)	**050-125**	$13.65
7.9 (125)	15.8 (250)	**125-250**	$16.74

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).

OVER	TO	Code	Rate
0	60 (2.5)	**0-2.5**	$0.05
60 (2.5)	80 (3)	**2.5-3.5**	$0.09
80 (3)	100 (4)	**3.5-4**	$0.12
100 (4)	150 (6)	**4-6**	$0.20

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).

OVER	TO	Code	Rate
0	60 (2.5)	**0-2.5**	$0.04
60 (2.5)	90 (3.5)	**2.5-3.5**	$0.07
90 (3.5)	100 (4)	**3.5-4**	$0.10
100 (4)	150 (6)	**4-6**	$0.14

ROLLERS, TANDEM STEEL WHEELS [ROL-2]

DELAY FACTOR = 0.21 **OVERTIME FACTOR = 0.81**

Includes all attachments and accessories.

BOMAG **[BMAG]**

Model	Code	Rate
BW-4AS	**1150**	$13.54
BW-6AS	**1155**	$15.19
BW-10AS	**1160**	$24.62
BW-12AS	**1165**	$25.40

DRESSER **[DRES]**

Model	Code	Rate
S3-5B	**2500**	$16.60
S8-12A	**2520**	$23.23
S10-14A	**2525**	$24.00

FERGUSON **[FERG]**

Model	Code	Rate
3-5 ton	**4048**	$8.99
3-5A	**4048A**	$10.42
4-6A	**4142A**	$10.56
5-8 ton	**4236**	$22.08
5-8A	**4240**	$19.26
8-12 ton	**4424**	$19.45
8-12B	**4424B**	$22.69
8-12A	**4430**	$20.26
10-14 ton	**4450**	$20.34
10-14A	**4455**	$20.77
10-14B	**4455B**	$23.26

GALION **[GALN]**

Model	Code	Rate
4-6 ton roll-o-static	**4650**	$13.74
S4-6A, S4-6B	**4670**	$16.37
5-8 ton roll-o-static	**4800**	$16.58
S5-8A	**4820**	$20.48
8-10.5 ton roll-o-static	**4988**	$17.22
S8-10.5A	**5000**	$21.17
8-12 ton roll-o-static	**5176**	$17.54
S8-12A	**5190**	$21.84

HYSTER **[HYST]**

Model	Code	Rate
C 330A 3-5 ton	**6520**	$16.13
C 330B 3-5 ton (Hypac)	**6520B**	$15.23
C 330A 4-6 ton	**6525**	$17.51
C 330B 4-6 ton (Hypac)	**6526**	$17.36
C 340A 5-8 ton	**6530**	$18.35
C 340A 8-10 ton	**6540**	$18.90
C 340B 5-8 ton	**6545**	$19.51
C 340C 5-8 ton (Hypac)	**6546**	$22.85
C 340B 8-10 ton	**6548**	$20.23
C 340C 8-10 ton (Hypac)	**6549**	$23.32
C 350B 8-12 ton	**6710**	$19.81
C 350B 10-14 ton	**6740**	$20.29
C 350C 8-12 ton	**6750**	$21.53
C 350C 10-14 ton	**6755**	$22.23
C 350D 8-12 ton	**6757**	$23.02

INGRAM **[INGM]**

Model	Code	Rate
4-6 ton FB	**6900**	$13.06
5-6.5 ton FB	**6965**	$14.63
8-12 ton HB	**7175**	$20.44
10-14 ton HB	**7275**	$21.05

REXNORD **[RXND]**

Model	Code	Rate
3-5 ton	**8566**	$11.00
4-6 ton	**8572**	$11.57
5-8 ton	**8578**	$23.09
7-10 ton	**8584**	$23.28
8-12 ton	**8590**	$23.63
10-14 ton	**8596**	$23.95

ROLLERS, RUBBER TIRE, SELF PROPELLED [ROLRT]

DELAY FACTOR = 0.28 **OVERTIME FACTOR = 0.75**

Includes all attachments and accessories.

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

Model	Code	Rate
BW 20R	**2624**	$17.78

CATERPILLAR **[CAT]**

Model	Code	Rate
PS 110	**3460**	$25.50
PS 130	**3465**	$24.90
PS 180	**3470**	$27.13
PS 200B	**3480**	$33.18

DYNAPAC **[DYPC]**

Model	Code	Rate
CP 15	**3500**	$24.02
CP 21	**3510**	$33.22
CP 27	**3520**	$41.35

GALION **[GALN]**

Model	Code	Rate
3500	**4310**	$19.32
P 3000	**4315**	$20.62
P 3500A	**4320**	$21.79

HYSTER **[HYST]**

Model	Code	Rate
C 530A	**5401**	$23.93
C 550A	**5494**	$25.37

ROLLER-TAMPING, SEGMENTED, SHEEPSFOOT, SELF PROPELLED [ROTAM]

DELAY FACTOR = 0.19 **OVERTIME FACTOR = 0.84**

Includes all attachments and accessories.

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

Model	Code	Rate
K 300	**1630**	$37.03
K 301	**1635**	$47.19
K 401	**1638**	$62.00

CATERPILLAR **[CAT]**

Model	Code	Rate
815	**2300**	$51.31
815B	**2310**	$86.79
815F	**2320**	$92.01
825B	**2500**	$82.11
825C	**2510**	$128.80
835	**2700**	$99.16

RAYGO **[RAGO]**

Model	Code	Rate
30	**6490**	$38.36
45	**6500**	$61.20
RAM PAK 45	**6505**	$67.37

REXNORD **[RXND]**

Model	Code	Rate
3-30	**7120**	$47.66
3-35 PACTOR	**7127**	$69.78
3-45 PACTOR	**7130**	$85.11
3-50, 3-50A PACTOR	**7140**	$83.91
3-55, 3-55B PACTOR	**7150**	$118.71

ROLLERS-TAMPING, SEGMENTED, SHEEPSFOOT, TOWED [ROTAT]

DELAY FACTOR = 0.46 **OVERTIME FACTOR = 0.58**

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]**

Model	Code	Rate
1220 mm x1220 mm (4'X4') & under	**4X4**	$1.36
over 1220 mm (4') - not over 1520 mm (5')	**4X5**	$1.54
over 1520 mm (5')	**5**	$2.79

DOUBLE DRUM UNIT **[DDRU]**

Model	Code	Rate
1220 mm x1220 mm (4'X4') & under, each	**4X4**	$3.28
over 1220 mm (4') - not over 1520 mm (5'), each	**4X5**	$9.94
over 1520 mm (5'), each	**5**	$18.26

ROLLERS, VIBRATORY, SELF PROPELLED [ROVIB]

DELAY FACTOR = 0.29 **OVERTIME FACTOR = 0.75**

Includes all attachments and accessories.

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

Model	Code	Rate
BW 210	**2060**	$31.26
BW 210A	**2070**	$33.26
BW 213	**2080**	$32.38
BW 214	**2090**	$34.11

BOMAG **[BMAG]**

Model	Code	Rate
BW 35	**0700**	$4.99
BW 60, 60S	**0800**	$6.75
BW 65, 65S	**0900**	$4.88
BW 75, 75S	**1000**	$7.53
BW 85T	**1200**	$13.81
BW 90	**1300**	$8.06
BW 100AD-3	**1325C**	$19.41
BW 120AD	**1350**	$19.19
BW 142PD	**1359**	$26.57
BW 151AD	**1365**	$38.85
BW 170AD, D	**1380**	$31.13
BW 172AD, D	**1385**	$32.60
BW 202AD	**1400**	$52.94

BROS **[BROS]**

Model	Code	Rate
VM 255	**2023**	$32.76
VM 268, VM 268H	**2024**	$40.71
VM 278	**2025**	$55.94

CASE **[CASE]**

Model	Code	Rate
50B	**2228**	$4.28
W 251	**2400**	$14.28
252, W 252	**2405**	$16.60
752, W 752	**2450**	$34.67
1102, W 1102	**2500**	$41.93
1102D, W 1102D	**2505**	$46.66
602D	**2510**	$29.37
752B	**2520**	$37.92

CATERPILLAR **[CAT]**

Model	Code	Rate
CB 214	**8025**	$16.06
CB 214B	**8026**	$17.31
CB 224	**8030**	$17.18
CB 224B	**8031**	$19.20
CB 224C	**8031C**	$19.94
CB 314	**8035**	$19.20
CP 323 padfoot drum	**8040**	$34.27
CS 323 smooth drum	**8042**	$32.54
CB 414	**8045**	$34.00
CS 431	**8050**	$30.15
CS 431B	**8051**	$39.51
CP 433 padfoot drum	**8055**	$36.71
CP 433B padfoot drum	**8056**	$45.93
CS 433 smooth drum	**8060**	$34.35
CS 433B smooth drum	**8061**	$42.94
CB 434	**8062**	$39.67
CB 514	**8065**	$42.57

CB 534	**8067**	$52.57
CS 551	**8070**	$52.14
CP 553 padfoot drum	**8075**	$57.00
CS 553 smooth drum	**8080**	$53.41
CP 563 padfoot drum	**8082**	$62.37
CS 563 smooth drum	**8083**	$58.46
CS 563C	**8083C**	$64.19
CB 614	**8085**	$63.33
CB 634	**8095**	$64.60
CB 634C	**8095C**	$67.48

DYNAPAC **[DYPC]**

Model	Code	Rate
LR 90	**2401**	$8.37
A 36V, A 36D	**2405**	$21.61
CA 12	**2409A**	$24.67
CA 12D	**2409B**	$24.46
CA 12PD	**2409E**	$24.96
CA 12PDB strikeoff blade	**2409H**	$24.66
CA 15	**2410**	$36.13
CA 15A	**2420**	$35.32
CA 15D	**2421**	$39.67
CA 20D	**2422**	$34.71
CA 15PD	**2425**	$36.36
CA 25	**2430**	$47.07
CA 25S	**2440**	$44.74
CA 25A, CA 25D	**2450**	$50.14
CA 25PD	**2455**	$52.54
CA 25T	**2460**	$38.30
CA 30	**2462**	$50.81
CA 30D	**2464**	$55.40
CA 51S, CA 51D	**2466**	$63.64
CA 55D	**2468**	$66.56
CA 151PDB	**2469**	$48.75
CC 10, CC 10 series II	**2470**	$17.78
CC 10A	**2472**	$14.03
CC 102	**2472C**	$20.52
CC 12	**2472E**	$19.53
CC 14	**2473**	$28.09
CC 21	**2474**	$33.12
CC 21 II	**2474B**	$36.31
CC 211	**2474C**	$41.58
CC 42 II Dynatronic	**2475**	$50.75
CC 42A	**2476**	$49.66
CC 50	**2482**	$49.27
CC 50A	**2488**	$61.54
CC 50PD	**2488E**	$98.47
CC 50S	**2489**	$90.15
DD 18	**2498**	$6.35
300V	**2499E**	$8.35
2100V	**2499H**	$8.38

ESSICK **[ESIK]**

Model	Code	Rate
VR 30RE	**2700**	$5.55
VR 42RE	**2820**	$14.16
V 30WR, V 30W2-R	**2902**	$5.55

HYSTER **[HYST]**

Model	Code	Rate
C 612B	**3450**	$35.50
C 610A	**3500**	$21.68
C 610B	**3540**	$33.70
C 615B	**3562**	$35.85
C 617B	**3563**	$36.35
C 620B	**3566**	$35.24
C 625B	**3570**	$36.97
C 627B	**3572**	$37.65
C 727A	**3572E**	$48.91
C 748A (Hypac/Hyster)	**3572F**	$20.74
C 766A	**3572G**	$46.92
C 766B (Hypac/Hyster)	**3572H**	$55.83
C 850A	**3572J**	$49.99
C 850B (Hypac/Hyster)	**3572K**	$64.05
C 852A	**3572N**	$55.61
C 852B (Hypac/Hyster)	**3572P**	$67.60
C 860A	**3572S**	$54.27
C 860B (Hypac/Hyster)	**3572T**	$62.99

INGERSOLL-RAND **[I-R]**

Model	Code	Rate
DD 22	**3565**	$21.65
DD 23	**3570**	$16.36
DD 24	**3572**	$21.95
DA 30	**3573**	$17.46
DD 35	**3573C**	$18.97
DA 40	**3573E**	$34.83
DA 41	**3573G**	$37.22
DA 48	**3573M**	$46.81
DA 50	**3574**	$49.49
DD 65	**3574A**	$43.08
DF 84	**3574B**	$78.54
DS 84	**3574C**	$75.18
DD 90	**3574D**	$56.07
DD 110	**3574F**	$60.99
DD 130	**3574H**	$79.11
DD 145	**3574J**	$67.40
SPA 56	**3810**	$39.56
SP 48	**3880**	$35.02
SP 48DD	**3885**	$36.65
SPF 48	**3890**	$39.00
SPF 48B	**3892**	$40.22
SP 54	**4000**	$33.58
SP 54DD	**4005**	$35.62
SPA 54	**4010**	$34.46
SPF 54	**4020**	$38.43

SP 56	**4030**	$41.98
SP 56DD	**4035**	$44.92
SP 56DH	**4037**	$56.87
SPF 56	**4040**	$46.58
SPF 56B	**4050**	$49.54
SPF 56DH	**4080**	$58.39
SPF 56DHB	**4090**	$62.34
SP 60	**4100**	$65.46
SP 84	**4105**	$61.75
SP 60DD	**4110**	$91.46
SPF 60	**4120**	$96.21
SPF 60B	**4130**	$104.33
SPF 60C	**4132**	$88.14
SPF 84	**4133**	$63.49
SPF 84B	**4134**	$68.03
SD 40D	**4138**	$34.72
SD 40F w/ blade	**4138FB**	$36.25
SD 70	**4139**	$38.62
SD 100	**4140**	$54.90
SD 100D	**4140D**	$63.67
SD 100F	**4140F**	$64.22
SD 115D	**4141D**	$73.78
SD 150D	**4143D**	$80.10

KOEHRING-BOMAG **[KOBO]**

Model	Code	Rate
BW 120AC	**4168E**	$19.11
BW 120AD	**4169**	$19.16
BW 121AD	**4193**	$16.94
BW 130AD	**4193E**	$21.01
BW 140AD	**4194**	$33.68
BW 141AC	**4194B**	$38.07
BW 141AD	**4194E**	$31.67
BW 142D	**4194H**	$25.85
BW 172	**4212**	$29.65
BW 172D	**4212E**	$32.53
BW 213D	**4237**	$49.19
BW 214D	**4238**	$61.53
BW 215D	**4240**	$57.84
BW 217D	**4242**	$73.61
BW 220D	**4250**	$52.08

MIKASA **[MIKA]**

Model	Code	Rate
MDR 7DW	**4404**	$4.92
MDR 9G	**4405**	$7.75
MDR T38S	**4407**	$5.06
MRV 10GA	**4409**	$9.30

RAYGO **[RAGO]**

Model	Code	Rate
1-36 REBEL	**4805**	$7.36
2-36 ROMPER	**4810**	$16.06
2-66 RANGER	**4820**	$49.91
2-84 RANGER	**4830**	$65.56
220A RASCAL	**4840**	$29.07
320A RASCAL	**4876**	$36.24
320S RASCAL	**4890**	$33.46
400A RASCAL	**5010**	$33.93
404B RUSTLER	**5110**	$39.40
410A RASCAL	**5150**	$37.57
600A RASCAL	**5220**	$45.55
4000 RASCAL	**5235**	$46.78
4200 RASCAL	**5236**	$52.86
4404 RUSTLER	**5236E**	$18.92

RAMMAX **[RAMX]**

Model	Code	Rate
P 33/24	**4605**	$12.77
P 33/24 w/ remote	**4606**	$12.05
P 51	**4625**	$49.25
S 51	**4630**	$21.94
P 47	**5290**	$23.31

SAKAI **[SAKI]**

Model	Code	Rate
SV 70	**8025**	$35.97
SV 70D	**8026**	$38.37
SV 91	**8050**	$51.32
SV 91D	**8051**	$53.33
SV 200D	**8060**	$28.61

TAMPO **[TAMP]**

Model	Code	Rate
RP 16D (HD)	**5990**	$34.39
RP 28D	**5995**	$45.09
RP 48D	**6110**	$51.80
RP 58D	**6115**	$52.67
RS 16 (HD)	**6170**	$31.46
RS16A (HD)	**6180**	$33.45
RS 16D (HD)	**6185**	$33.96
RS 28C	**6315**	$40.89
RS 28D	**6320**	$42.14
RS 58D	**6327**	$51.18
RS 156A	**6340**	$37.02
RS 166A	**6350**	$47.12
RS 188A	**6370**	$57.16
RS 210	**6400**	$46.54

WACKER **[WACK]**

Model	Code	Rate
R 900	**7850**	$10.99
R 1000	**7855**	$18.49
W 55T	**7860**	$7.26
W 74L, W 74T	**7880**	$7.13
W 74	**7890**	$6.78
W 75	**7900**	$5.96
WDH 84	**7910**	$10.16
WDH 86-110	**7912**	$13.56
WHK 90, WHK 90L	**7915**	$11.83

SHOVELS & CRANES, CRAWLER [S&CCL]

DELAY FACTOR = 0.30 **OVERTIME FACTOR = 0.74**

Includes all attachments and accessories when used as a crane, clamshell, dragline or for pile driving(not including leads or driving equipment).

LINK-BELT **[L-B]**

Model	Code	Rate
LS 78	**4702**	$48.11
LS 78 pipeliner	**4724**	$50.20
LS 98	**4826**	$50.62
LS 98 pipeliner	**4852**	$56.47
LS 98A	**4924**	$51.70
LS 108B	**4980**	$61.19
LS 108D	**4981**	$86.61
LS 118	**4998**	$83.14
LS 218H	**5010**	$136.83
LS 318	**5012**	$84.72
LS 338	**5020**	$96.24
LS 518	**5124**	$143.39

MANITOWOC **[MTWC]**

Model	Code	Rate
222EX (WEST)	**5600**	$159.51
2900 WC	**5764**	$68.50
3000 W	**5812**	$68.96
3900B (100 ton)	**6036**	$115.01
3900 W VICON series 2	**6132**	$193.23
4000 W VICON	**6180**	$148.79
4100 W VICON series 1	**6196**	$232.47
4100 W VICON series 2	**6198**	$239.35
4600 VICON series 1	**6328**	$372.15
4600 VICON series 3	**6332**	$379.27

P&H **[P&H]**

Model	Code	Rate
535	**7716**	$65.12
550	**7748**	$71.28
670 WLC	**7892**	$89.58

SHOVELS & CRANES, TRUCK MOUNTED [S&CTK]

DELAY FACTOR = 0.32 **OVERTIME FACTOR = 0.72**

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]**

Model	Code	Rate
5470	**1015**	$86.10
5530	**1080**	$150.88
7450	**1130**	$61.93
7460	**1140**	$107.84
7530	**1170**	$119.06
8460	**1178**	$158.79
8470	**1179**	$255.64

LINK-BELT **[L-B]**

Model	Code	Rate
HC 48A	**4332**	$45.94
HC 108B	**4960**	$45.61
HC 108C	**4970**	$93.53
HC 138	**4992**	$61.82
HC 138A	**4995**	$144.02
HC 218	**5050**	$75.84
HC 218A	**5051**	$143.48
HC 228H	**5054**	$171.10
HC 238A, 238B	**5065**	$155.89

P&H **[P&H]**

Model	Code	Rate
440 TC	**7240**	$63.94
650A TC	**7720**	$87.99
670 TC	**7790**	$91.72
790 TC	**7880**	$76.51
8115A TC	**7950**	$108.22

SANBLASTING EQUIPMENT [SANBL]

DELAY FACTOR = 0.54 **OVERTIME FACTOR = 0.50**

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]**

OVER	TO	Code	Rate
45 (100)	159 (350)	**010-035**	$1.16
159 (350)	272 (600)	**035-060**	$1.54
272 (600)	454 (1000)	**060-100**	$1.56
454 (1000)	680 (1500)	**100-150**	$1.96
680 (1500)	907 (2000)	**150-200**	$2.19

SAWS, CHAIN AND EARTH AUGER ATTACHMENT [SAWCH]

DELAY FACTOR = 0.20 **OVERTIME FACTOR = 0.81**

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]**

Model		Code	Rate
>3.7 (5)	30 amps @ 120V	**5-HP**	$1.21

SAWS, CONCRETE AND MASONRY [SAWCO]

DELAY FACTOR = 0.23 OVERTIME FACTOR = 0.78

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 OPERATION [ABOP]

Listed in accordance with Mfr's rated kilowatts (horsepower).

OVER	TO	Code	Rate
0	7.5 (10)	**0-10**	$1.68
7.5 (10)	14.9 (20)	**10-20**	$3.63
14.9 (20)	24.6 (33)	**20-33**	$7.18
24.6 (33)	33.6 (45)	**33-45**	$8.26
33.6 (45)	48.5 (65)	**45-65**	$10.38

BLADE SAWKERF [ABSK]

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

UNITS	Code	Rate
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 = 0.26 OVERTIME FACTOR = 0.76

Includes all attachments and accessories.

CATERPILLAR [CAT]

Model	Code	Rate
613	**1395**	$32.55
613B	**1400**	$41.11
613C	**1402**	$54.70
615	**1415**	$73.23
615C	**1416**	$82.10
621B cushion hitch	**1680**	$90.09
623B	**1700**	$95.48
623E	**1702**	$119.88
623F	**1703**	$129.54
627B push pull	**1770**	$116.19
627E non push-pull	**1772**	$131.95
627E push-pull	**1773**	$136.67
631C 67M5012 serial	**2170**	$93.13
631D	**2180**	$131.51
631E	**2185**	$155.28
633C non cushion hitch	**2305**	$86.28
633C cushion hitch	**2315**	$86.14
633C 66M693 serial	**2320**	$98.48
633D	**2330**	$141.35
637 cushion, non-push-pull	**2375**	$130.71
637 non-cushion, push-pull	**2410**	$132.93
637D non push-pull	**2460**	$180.31
637D push-pull	**2470**	$184.23
639D	**2475**	$193.86
637E	**2476**	$214.00
637E push-pull	**2477**	$219.39
641B non cushion hitch	**2620**	$107.82
641B cushion hitch	**2655**	$151.24
651B non cushion hitch	**2935**	$156.90
651B cushion hitch	**2970**	$159.35
651E	**2975**	$219.06
657B non cushion, non p-p	**3360**	$229.13
657B cushion, push-pull	**3370**	$235.55
657E non push-pull	**3375**	$303.08
657E push-pull	**3380**	$320.95
660B	**3470**	$135.12
666B	**3600**	$197.35

JOHN DEERE [DEER]

Model	Code	Rate
JD 760A	**3845**	$31.61
JD 762	**3860**	$42.48
JD 762A	**3865**	$46.66
JD 762B	**3866**	$61.43
JD 860A	**3920**	$48.54
JD 860B	**3930**	$51.34
JD 862	**3940**	$65.12
JD 862B	**3942**	$93.10

INTERNATIONAL [INTL]

Model	Code	Rate
412B	**5631**	$45.19
431B	**5637**	$88.52
433B	**5643**	$120.58

TEREX [TERX]

Model	Code	Rate
S 11EB	**8245**	$33.68
S 23E 33TOT-H-93SH, elev	**8250**	$86.89
S 24 49LOT-76SH serial	**8260**	$103.93
S 24B 023-024 serial	**8270**	$136.22
S 24C	**8275**	$157.40

WABCO [WAB]

Model	Code	Rate
101F	**8570**	$35.55
101G	**8575**	$40.72
111A	**8640**	$36.14
222G	**8700**	$72.01
222H	**8704**	$85.96

TRACTORS, CRAWLER [TRACC]

DELAY FACTOR = 0.28 OVERTIME FACTOR = 0.74

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]**

Model	Code	Rate
350	**1820**	$13.57
350B	**1825**	$15.64
450	**1868**	$13.41
450B	**1869**	$16.72
450C	**1869E**	$17.95
475	**1870**	$23.12
550	**2000**	$18.47
650	**2100**	$21.56
850	**2128**	$17.18
850B	**2130**	$19.46
850C	**2135**	$22.48
850D	**2140**	$23.89
1150B	**2250**	$26.61
1150C	**2255**	$32.20
1150D	**2257**	$32.65
1150E	**2258**	$34.24

CATERPILLAR **[CAT]**

Model	Code	Rate
D-3	**2340**	$15.08
D-3B	**2345**	$17.73
D-3 LGP	**2350**	$15.71
D-3B LGP	**2355**	$18.97
D-3B SA	**2370**	$19.09
D-3C	**2380**	$19.37
D4C Series III	**2450**	$25.93
D-4D	**2655**	$18.10
D-4E direct drive	**2660**	$20.16
D-4E power shift	**2665**	$21.45
D-4H	**2670**	$26.96
D-4H LGP	**2675**	$28.20
D-4H Series II	**2680**	$28.18
D-4E SA	**2772**	$22.62
D-4E LGP power shift	**2780**	$21.63
D-4E LGP direct drive	**2782**	$21.63
D-5	**3194**	$26.81
D-5B power shift	**3206**	$30.15
D-5B SA	**3325**	$31.31
D-5B LGP	**3345**	$32.78
D-5C	**3346**	$27.82
D-5H	**3347**	$37.53
D-5H Series II	**3348**	$41.52
D-5H LGP	**3350**	$40.53
D-6C direct drive	**3645**	$33.70
D-6C power shift	**3688**	$34.33
D-6C LGP	**3710**	$36.80
D-6D	**3720**	$45.11
D-6D SA	**3725**	$48.49
D-6D LGP	**3730**	$45.51
D-6H	**3732**	$49.65
D-6H Series II	**3733**	$54.36
D-6H LGP	**3735**	$54.16
D-6M LGP	**3745**	$52.81
D-6R DS	**3800**	$59.45
D-6R XL	**3815**	$63.82
D-7G	**4180**	$69.89
D-7G LGP	**4200**	$66.72
D-7G SA	**4210**	$65.03
D-7H	**4215**	$70.91
D-7H Series II	**4216**	$80.34
D-7H LGP	**4220**	$77.33
D-8K	**4858**	$84.38
D-8L	**4862**	$108.78
D-8L SA	**4863**	$106.95
D-8N	**4864**	$101.80
D-8R	**4870**	$112.05
D-9H	**5160**	$109.39
D-9L	**5165**	$139.57
D-9N	**5170**	$126.09
D-9R	**5175**	$147.87
D-10	**5220**	$215.45
D-10N	**5225**	$186.65
D-10R	**5227**	$206.44
D-11N	**5230**	$285.55

JOHN DEERE **[DEER]**

Model	Code	Rate
JD 350C	**5360**	$15.75
JD 350D	**5365**	$17.22
JD 400G	**5405**	$16.89
JD 450C	**5474**	$17.75
JD 450D	**5476**	$18.57
JD 450E	**5478**	$18.30
JD 450G	**5479**	$21.57
JD 550	**5480**	$20.42
JD 550A	**5481**	$22.14
JD 550B	**5483**	$20.89
JD 550G	**5484**	$25.64
JD 650G	**5484A**	$28.60
JD 650H LGP	**5484H**	$31.12
JD 750	**5485**	$32.65
JD 750B	**5486**	$36.10
JD 750 LGP	**5487**	$35.56
JD 750B LGP	**5488**	$45.40
JD 850	**5490**	$42.39
JD 850B	**5491**	$49.46
JD 850 LGP	**5492**	$47.09
JD 850B LGP	**5495**	$56.62

DRESSER **[DRES]**

Model	Code	Rate
TD 7E	**9100**	$18.76
TD 7G	**9102**	$21.48
TD 8E	**9105**	$23.23
TD 8G	**9107**	$26.06
TD 12	**9110**	$34.06
TD 12 LGP	**9115**	$39.07
TD 15C	**9120**	$51.36
TD 15E	**9122**	$63.45
TD 15C LGP	**9125**	$49.26
TD 20E	**9130**	$63.75
TD 20G	**9135**	$88.11
TD 20G LGP	**9137**	$95.77
TD 25E	**9139**	$87.83
TD 25G	**9140**	$125.80

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

Model	Code	Rate
10C	**6043**	$37.78
10C LGP	**6044**	$38.65
14C	**6048**	$47.31
FD 20	**6056**	$66.70
21C	**6060**	$73.99
FD 30	**6060E**	$91.92
31	**6061**	$119.96
FD 40	**6061E**	$145.43

KOMATSU **[KOMA]**

Model	Code	Rate
D 21P-6	**7965**	$18.07
D 31A-16	**7970**	$16.40
D 31A-17	**7972**	$18.89
D 31E-17	**7976**	$19.34
D 31E-18	**7977**	$21.75
D 31P-16	**7980**	$16.78
D 31P-17	**7981**	$19.62
D 31P-17B	**7981E**	$20.37
D 58E-1	**8003**	$39.21
D 58P-1	**8003H**	$47.01
D 65E-6	**8070**	$43.88
D 65E-7, E-8	**8072**	$51.10
D 65P-6	**8080**	$46.59
D 65P-7 / D 65P-8	**8082**	$54.55
D 68P-1	**8083**	$60.68
D 68E-1	**8085**	$55.50
D 83E-1	**8087**	$71.84
D 83P-1	**8088**	$73.22
D 85P-18	**8090**	$77.74
D 85A-18	**8114**	$60.44
D 85E-12	**8120**	$51.03
D 85E-18	**8140**	$70.76
D 135A-1	**8150**	$90.40
D 155A-1	**8160**	$107.11
D 155A-2	**8161**	$106.69
D 375A-1	**8175**	$170.16
D 375A-2	**8176**	$200.10
D 455A-1	**8180**	$209.51
D 475A-2	**8186**	$321.05

TRACTORS, HEAVY [TRACH]

DELAY FACTOR = 0.27 **OVERTIME FACTOR = 0.76**

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]**

Model	Code	Rate
814	**1400**	$60.48
814B	**1410**	$101.21
824B	**1720**	$90.36
824C	**1730**	$128.33
834B	**2010**	$199.60

TRACTORS, RUBBER TIRE, INDUSTRIAL, FARM & SKID STEER [TRACS]

DELAY FACTOR = 0.20 OVERTIME FACTOR = 0.82

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

Model	Code	Rate
with loader or dozer	**A**	$11.27
auger, w/ or w/o loader or dozer	**B**	$11.58
backhoe, w/ or w/o loader or dozer	**C**	$12.72

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

Model	Code	Rate
with loader or dozer	**A**	$16.30
auger, w/ or w/o loader or dozer	**B**	$16.69
backhoe, w/ or w/o loader or dozer	**C**	$17.87

TRAFFIC CONTROL & SAFETY DEVICES (HOURLY RATES) [TRAFA]

DELAY FACTOR = 0.40 OVERTIME FACTOR = 0.64

CHANGEABLE MESSAGE SIGN [CMSN]

Model	Code	Rate
Generator	**GEN1**	$9.22
Generator w/ cell remote	**GEN2**	$10.17
Solar	**SOL1**	$7.34
Solar w/ cell remote	**SOL2**	$8.29

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FLASHING ARROW SIGN [FLAS]

Including supplies, replacements and servicing.

Model	Code	Rate
Roof mounted	**RM**	$0.65
Trailer mounted	**TM**	$1.88

TRAFFIC CONTROL & SAFETY DEVICES (DAILY RATES) [TRAFC]

DELAY FACTOR = 0.73 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.)

Model	Code	Rate
each with flasher	**A1**	$0.35
each without flasher	**A2**	$0.18
each	**B3**	$0.79

(2) TRAFFIC CONES [2TC]

Lost or destroyed are no longer paid on invoice.

Model	Code	Rate
450 mm (18") high, per 100	**A100**	$6.36
700 mm (28") high, per 100	**B100**	$11.08
700 mm (28") high w/ refl sleeve, per 100	**D100**	$17.07
1,050 mm (42") high w/ refl sleeve, per 100	**E100**	$28.38

(3) PORTABLE DELINEATOR [3DEL]

Lost or destroyed are no longer paid on invoice.

Model	Code	Rate
per 100	**100**	$18.16

(4) ILLUMINATED SIGNS [4SIG]

Model	Code	Rate
incl 900 mm x900 mm (3'x3') sign & batteries	**12V**	$4.38

(5) FLASHING BEACON [5BEA]

Model	Code	Rate
portable 12 volt	**12V**	$4.47

(6) FLAG/SIGN STAND [6FSS]

Model	Code	Rate
incl sign, stand & 3 flags	**EACH**	$2.03

(7) DELINEATOR DRUM [7DDR]

Model	Code	Rate
Del. drum w/ base per 100	**100**	$44.81

TRAILERS, EQUIPMENT, LOW BED [TRAIL]

DELAY FACTOR = 0.45 OVERTIME FACTOR = 0.60

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

Model	Code	Rate
4 Tires per axle	**100**	$10.85
8 Tires per axle	**200**	$13.68

LOW BED B **[LB-B]**

3 axle

Model	Code	Rate
4 Tires per axle	**300**	$14.54
8 Tires per axle	**400**	$16.85

LOW BED C **[LB-C]**

4 axle

Model	Code	Rate
4 Tires per axle	**500**	$23.38
8 Tires per axle	**600**	$29.03

LOW BED D **[LB-D]**

6 axle

Model	Code	Rate
8 Tires per axle	**700**	$46.46

TRAILERS, EQUIPMENT, TILT BED [TRAIT]

DELAY FACTOR = 0.45 OVERTIME FACTOR = 0.60

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]**

OVER	TO	Code	Rate
0	1.8 (2)	**00-02**	$0.58
1.8 (2)	3.6 (4)	**02-04**	$0.62

TILT BED 2 AXLES **[TB-2]**

OVER	TO	Code	Rate
3.6 (4)	5.4 (6)	**04-06**	$1.03
7.3 (8)	9.1 (10)	**08-10**	$3.19
9.1 (10)	10.9 (12)	**10-12**	$3.68
10.9 (12)	12.7 (14)	**12-14**	$4.14
12.7 (14)	14.5 (16)	**14-16**	$4.59
14.5 (16)	16.3 (18)	**16-18**	$4.44
16.3 (18)	18.1 (20)	**18-20**	$4.29
18.1 (20)	20.0 (22)	**20-22**	$4.92
20.0 (22)	22.7 (25)	**22-25**	$4.78

TRENCHING MACHINES [TRENC]

DELAY FACTOR = 0.22 OVERTIME FACTOR = 0.81

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

BOBCAT **[BCAT]**

Model	Code	Rate
T 116	**2000**	$6.06
T 135	**2010**	$14.39
T 136	**2020**	$14.72
T 208	**2030**	$3.26
3022	**2040**	$15.18

CASE **[CASE]**

Model	Code	Rate
TL 70	**9051**	$2.45
TL 100	**9053**	$3.55
TL 120	**9055**	$4.32
TL 200	**9070**	$4.49
16+4	**9120**	$7.11
25+4	**9170**	$9.91
25 + 4 XP	**9171**	$12.53
30+4 standard	**9224**	$14.48
DH 4	**9255**	$18.33
DH 4B	**9256**	$20.20
DH 5	**9257**	$20.26
DH 5 QUAD	**9259**	$22.44
DH 7	**9261**	$23.73
360	**9263**	$16.64
ROAD RUNNER 380	**9277**	$19.04
TF 300	**9374**	$10.74
TF 700	**9398**	$11.96
TF 800	**9405**	$15.89
TF 1000	**9460**	$21.23
760	**9465**	$23.04

DITCH WITCH **[D-W]**

Model	Code	Rate
R 30	**5390**	$12.16
R 36D	**5400**	$14.21
R 40	**5432**	$16.61
R 65	**5556**	$16.97
R 100	**5565**	$54.25
V 30	**5618**	$10.98
1410	**5620**	$4.65
1420	**5625**	$5.32
1500	**5630**	$3.41
1620	**5635**	$6.81
1810	**5640**	$7.17
2020	**5645**	$9.90
2200	**5650**	$8.92
2300	**5660**	$13.11
2310	**5662**	$13.55

3210	**5670**	$15.76
3210 Combo	**5675**	$16.61
3500	**5676**	$18.76
4010	**5677**	$22.20
4010 Combo	**5678**	$20.17
5010	**5679**	$18.94
6510	**5680**	$23.92
6510 Combo	**5685**	$27.08

MIDMARK **[MDMK]**

Model	Code	Rate
300 A	**7945**	$12.00
321	**7950**	$13.28
400 A	**7955**	$15.90
440	**7960**	$21.11

VERMEER **[VERM]**

Model	Code	Rate
CC-135	**8350**	$57.75
M 220	**8380**	$7.99
M 455 / M455A	**8480**	$24.42
M 475	**8570**	$26.67
M 475A	**8571**	$28.63
M 485	**8580**	$31.34
M 495	**8585**	$46.28
T 300B, T 300A	**8718**	$13.25
T 400C, T 400B, T 400A	**8781**	$35.53
T 600D, C, B, A	**8842**	$52.24
T 650	**8843**	$91.94
T 800B, T 800A, T800	**8870**	$85.17
T 800C	**8871**	$92.22
T 850	**8875**	$165.53
V 430	**8950**	$15.60
V 430A	**8951**	$17.96
V 434 / M 434	**9000**	$14.99
V 440	**9015**	$18.08
V 450	**9017**	$23.73
V 454	**9020**	$19.31
V 1550	**9025**	$7.76

TRUCK, TRUCK TRAILERS, EXCL. DUMP TRUCKS & EQPT TRAIL [TRUCK]

DELAY FACTOR = 0.23 **OVERTIME FACTOR = 0.79**

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]**

OVER	TO	Code	Rate
Cars, trucks 680 kg (3/4 T) & lighter		**00-06**	$9.81
2727 (6000)	5443 (12000) No small pickups	**06-12**	$12.07
5443 (12000)	9072 (20000)	**12-20**	$15.27
9072 (20000)	12701(28000)	**20-28**	$17.01
12701 (28000)	16330 (36000)	**28-36**	$23.11
16330 (36000)	21773 (48000)	**36-48**	$27.19
21773 (48000)	27216 (60000)	**48-60**	$32.61
27216(60000) & Over		**60**	$41.03

TRUCKS, OFF-HIGHWAY [TRUOF]

DELAY FACTOR = 0.32 **OVERTIME FACTOR = 0.70**

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]**

OVER	TO	Code	Rate
9.1 (10)	13.6 (15)	**10-15**	$24.83
16.3 (18)	20.0 (22)	**18-22**	$45.49
20.0 (22)	24.5 (27)	**22-27**	$56.22
24.5 (27)	29.0 (32)	**27-32**	$64.68
29.0 (32)	36.3 (40)	**32-40**	$86.44
36.3 (40)	49.9 (55)	**40-55**	$124.31
49.9 (55)	60.8 (67)	**55-67**	$140.42

TRUCKS, DUMP, ON-HIGHWAY [TRUON]

DELAY FACTOR = 0.25 **OVERTIME FACTOR = 0.77**

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

TRUCK ON-HIGHWAY **[TRUN]**

Model	Code	Rate
2 axles	**2AXL**	$26.00
3 axles	**3AXL**	$36.37
4 axles	**4AXL**	$42.69
5 axles	**5AXL**	$46.00

WELDING EQUIPMENT [WELD]

DELAY FACTOR = 0.25 **OVERTIME FACTOR = 0.77**

ARC WELDING MACHINES **[AWM]**

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

OVER	TO	Code	Rate
0	250	**0-250**	$2.67
250	500	**250-500**	$5.04
over	500	**500**	$5.59

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.

Model	Code	Rate
ALL	**ALL**	$0.20