

State of California  
Business, Transportation, and Housing Agency  

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Department of Transportation  
Division of Construction

# Labor Surcharge and Equipment Rental Rates

(Cost of Equipment Ownership)



Effective April 1, 2008 through March 31, 2009

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FOR DOUBLE-SIDED PRINTING

**USER'S GUIDE  
FOR LABOR SURCHARGE AND EQUIPMENT RENTAL RATES  
April 1, 2008 - March 31, 2009**

Equipment Rental Rates are available on the Internet at:

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

Miscellaneous Equipment Rental Rates are available on the Internet at:

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

The miscellaneous listing is updated daily.

## **Changes**

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

Changes to the equipment rates in the April 1, 2008 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.

## **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, 2008 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, 2008 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 **11 percent for regular time (RT)** and **11 percent for overtime (OT)**.

Exceptions to the general rate are listed below. The classifications were chosen because of very high Workers' Compensation Insurance costs. Questions, regarding worker's compensation rating and proper labor surcharge usage, will be forwarded to the rental rate personnel in the Division of Construction.

## EXCEPTIONS

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

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 RATE

NOTE--THE FOLLOWING RATES ARE IN EFFECT FROM APRIL 1, 2008 THROUGH MARCH 31, 2009

## 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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Clam action bucket 1 CY & Less	<b>C1</b>	\$3.47
Clam action Over 1 CY to 2 CY	<b>C2</b>	\$6.11
Clam action Over 2 CY to 3.5 CY	<b>C3</b>	\$8.85
Clam action Over 3.5 CY to 5 CY	<b>C4</b>	\$12.61
Clam action bucket Over 5 CY	<b>C5</b>	\$17.42
Ripper on No. 1 models	<b>R1</b>	\$2.08
Ripper on No. 2 models	<b>R2</b>	\$2.73
Ripper on No. 3 models	<b>R3</b>	\$4.55
Ripper on No. 4 models	<b>R4</b>	\$5.18
Ripper on No. 5 models	<b>R5</b>	\$8.50
Ripper on No. 6 models	<b>R6</b>	\$13.43
Ripper on No. 7 models	<b>R7</b>	\$15.56
Ripper on No. 8 models	<b>R8</b>	\$25.82
Winch on No. 1 models	<b>S1</b>	\$2.47
Winch on No. 2 models	<b>S2</b>	\$3.68
Winch on No. 3 models	<b>S3</b>	\$4.87
Winch on No. 4 models	<b>S4</b>	\$6.25
Winch on No. 5 models	<b>S5</b>	\$10.93
Lift gate	<b>TG</b>	\$0.72
Pump, water truck only	<b>TP</b>	\$4.87
Winch, truck	<b>TW</b>	\$0.26
Gas welding hose per 15.2 m (50 lf)	<b>WH</b>	\$0.01
Elec welding lead per 30.5 m (100 lf)	<b>WL</b>	\$0.15

## AIR COMPRESSOR

[ AIRCP ]

**DELAY FACTOR = 0.14**

**OVERTIME FACTOR = 0.87**

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 ]

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	19 (40)	<b>000-004</b>	\$3.95
19 (40)	76 (160)	<b>004-016</b>	\$14.70
76 (160)	118 (250)	<b>016-025</b>	\$15.98
118 (250)	212 (450)	<b>025-045</b>	\$27.89
212 (450)	354 (750)	<b>045-075</b>	\$46.05
354 (750)	566 (1200)	<b>075-120</b>	\$67.37
566 (1200)	708 (1500)	<b>120-150</b>	\$87.70

## AIR DRILLS, CRAWLER

[ AIRDL ]

**DELAY FACTOR = 0.51**

**OVERTIME FACTOR = 0.54**

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 ]

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	100 (4)	<b>0-4</b>	\$21.23
100 (4)	& Over	<b>5</b>	\$21.68

## AIR TOOLS

[ AIRTO ]

**DELAY FACTOR = 0.62**

**OVERTIME FACTOR = 0.40**

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

### AIR TOOLS

[ ATOL ]

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	4.5 (10)	<b>0-10</b>	\$0.33
4.5 (10)	9.1 (20)	<b>10-20</b>	\$0.36
9.1 (20)	13.6 (30)	<b>20-30</b>	\$0.66
13.6 (30)	18.1 (40)	<b>30-40</b>	\$0.77
18.1 (40)	27.2 (60)	<b>40-60</b>	\$0.83
27.2 (60)	& Over	<b>60</b>	\$1.18

<b>ASPHALT DIKE &amp; SHOULDER PAVERS [ ASDSP ]</b>
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**DELAY FACTOR = 0.15                      OVERTIME FACTOR = 0.88**

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

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
No. 1	<b>4050</b>	\$62.36
No. 2	<b>4052</b>	\$54.58
Nos. 43, 44	<b>4054</b>	\$76.58

**ASPHALT PAVING COMPANY              [ APCO ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
E-1	<b>4000</b>	\$90.19
E-2, E3	<b>4002</b>	\$160.69

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
RW-35 / 38	<b>4075</b>	\$64.32
RW-85	<b>4077</b>	\$31.18
RW-95	<b>4079</b>	\$49.98
RW-100	<b>4081</b>	\$93.36
RW-195D	<b>4083</b>	\$127.37

**DELTA    [ DLTA ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
DC-1	<b>4095</b>	\$129.56

<b>ASPHALT PAVERS                      [ ASPAV ]</b>
--

**DELAY FACTOR = 0.21                      OVERTIME FACTOR = 0.83**

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

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BG 220	<b>0805</b>	\$83.04
BG 225	<b>0810</b>	\$90.86
BG 240	<b>0815</b>	\$97.33
BG 245	<b>0820</b>	\$107.58
BG 260	<b>0825</b>	\$122.96
BG 260B	<b>0826</b>	\$163.63
BG 265	<b>0830</b>	\$141.18
RT 435, 4wd	<b>0905</b>	\$104.50
RT 445, 4wd	<b>0925</b>	\$103.20
RT 455, 4wd	<b>0945</b>	\$101.17
RT 455, 4wd, 10-20' screed	<b>0955</b>	\$105.10
RT 465, 4wd	<b>0965</b>	\$131.39
SA 125	<b>1419E</b>	\$78.92
SB 131	<b>1420</b>	\$97.89
SB 140	<b>1425</b>	\$119.55
SA 141	<b>1430</b>	\$81.24
SA 145	<b>1432</b>	\$105.19
SA 150	<b>1435</b>	\$131.68

SB 170    **1440**                      \$131.15

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
PF-22	<b>1490</b>	\$36.87
PF-35	<b>1550</b>	\$65.02
PF-115	<b>1750</b>	\$108.85
PF-120H	<b>2010</b>	\$97.08
PF-171	<b>2090</b>	\$150.80
PF-180	<b>2100</b>	\$60.46
PF-180H	<b>2204</b>	\$157.74
PF-200	<b>2250</b>	\$154.55
PF-200, 18' screed	<b>2252</b>	\$157.59
PF-220	<b>2300</b>	\$155.53
PF-400A	<b>2350</b>	\$138.15
PF-500	<b>2404</b>	\$169.25
PF-500, 18' screed	<b>2406</b>	\$172.51
PF-510, 18' screed	<b>2407</b>	\$180.78
PF-3172, 18' screed	<b>2408</b>	\$150.58
PF-3200	<b>2410</b>	\$199.56
PF-5510	<b>2415</b>	\$209.10

**CATERPILLAR                                  [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
AP-200	<b>2420</b>	\$38.85
AP-800	<b>2430</b>	\$105.30
AP-1050	<b>2431</b>	\$166.56
AP-1000	<b>2435</b>	\$163.36
AP-1000 4wd	<b>2436</b>	\$169.67
AP-1055B	<b>2438</b>	\$209.92
AP-1200	<b>2440</b>	\$132.51

**CEDAR RAPIDS                                  [ CEDR ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BSF-2H	<b>2550</b>	\$84.24
BSF-3R	<b>2600</b>	\$90.69
CR-351	<b>2668A</b>	\$138.40
CR-351 4wd	<b>2668B</b>	\$143.42
CR-361R (RUBBER TRACK)	<b>2668R</b>	\$167.10
CR-431	<b>2669</b>	\$115.76
CR-551	<b>2670</b>	\$186.97
CR-461	<b>2672</b>	\$184.73
CR-561	<b>2674</b>	\$197.44

**LAYTON    [ LYTN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
F-525	<b>2680</b>	\$20.47
D-550	<b>2682</b>	\$23.09
H-500B	<b>2684</b>	\$7.52

**ASPHALT WINDROW PICKUP MACHINE [ ASPWP ]****DELAY FACTOR = 0.10 OVERTIME FACTOR = 0.92**

Includes all attachments and accessories.

**ATHEY [ ATHY ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
7-11	<b>5000</b>	\$77.11

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BG-610H	<b>5100</b>	\$57.35

**CATERPILLAR [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
WE-601B	<b>5200</b>	\$61.82

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
500	<b>5300</b>	\$46.81
601	<b>5304</b>	\$41.00
Lincoln 660	<b>5305</b>	\$85.52

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
851	<b>5405</b>	\$78.02

**AUGERS, CRAWLER MOUNTED [ AUGCL ]****DELAY FACTOR = 0.34 OVERTIME FACTOR = 0.69**

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

**BAYSHORE [ BYSH ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
8400 TD limited access	<b>1500</b>	\$110.34

**TEXOMA [ TXMA ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TAURUS	<b>2010</b>	\$229.73
700CL	<b>2100</b>	\$132.02

**WATSON [ WATS ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2000CM	<b>2500</b>	\$99.23
2500CM	<b>2505</b>	\$154.74
3000CM	<b>2510</b>	\$175.53
3100CM	<b>2515</b>	\$183.09

**AUGERS, HORIZONTAL [ AUGHZ ]****DELAY FACTOR = 0.32 OVERTIME FACTOR = 0.71**

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

**AKKERMAN [ AKMN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
360	<b>5000</b>	\$112.24
420 series 1250	<b>5002</b>	\$115.32

**AMERICAN AUGER [ AMAU ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
36-350	<b>5014</b>	\$27.25

**BORZALL [ BORZ ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2300-10	<b>5040</b>	\$8.83
4265-10	<b>5042</b>	\$12.20

**DITCH WITCH [ D-W ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2510	<b>5040</b>	\$44.38

**AUGERS, TRUCK MOUNTED [ AUGTK ]****DELAY FACTOR = 0.27 OVERTIME FACTOR = 0.75**

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

**ATLANTIC [ ATLN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
LDH-80	<b>5000</b>	\$178.29
LDH-100	<b>5005</b>	\$147.52
LLDH-80	<b>5010</b>	\$186.17
LLDH-120	<b>5015</b>	\$200.04

**CALWELD [ CALW ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
150-A	<b>5050</b>	\$77.97
200	<b>5052</b>	\$99.98
4500LH	<b>5054</b>	\$169.16

**HUGHES [ HUGH ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
EZ 112	<b>5070</b>	\$60.52
EZ 120	<b>5071</b>	\$68.27
LDH-100	<b>5072</b>	\$114.29
LDH-80	<b>5074</b>	\$112.66
LLDH-120	<b>5076</b>	\$166.51
LLDH-80	<b>5078</b>	\$153.10

<b>P.D.E.</b>	[ <b>PDE</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
M -100	<b>5084</b>	\$36.46	
M-400 with hammer	<b>5085</b>	\$32.14	

<b>TEXOMA</b>	[ <b>TXMA</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
Economatic 115	<b>5087</b>	\$79.36	
Super Economatic	<b>5089</b>	\$77.89	
80	<b>5090</b>	\$130.04	
270	<b>5093</b>	\$81.29	
330	<b>5095</b>	\$84.61	
330 with hammer	<b>5095B</b>	\$96.50	
500 with hammer	<b>5096B</b>	\$98.44	
600	<b>5097</b>	\$105.69	
700	<b>5099</b>	\$169.61	

<b>WATSON</b>	[ <b>WATS</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
1000	<b>6010</b>	\$63.05	
2000	<b>6012</b>	\$132.36	
3000	<b>6014</b>	\$177.30	

<b>BITUMINOUS DISTRIBUTORS</b>	[ <b>BITDT</b> ]
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**DELAY FACTOR = 0.15**      **OVERTIME FACTOR = 0.86**  
 Includes all equipment for handling bituminous materials under pressure.  
 Includes pumps, spray bars and other attachments and accessories.

**TRAILER MOUNTED**      [ **TLMD** ]  
 Does not include towing unit. Capacity rated in liters (U.S. gallons).

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	1136 (300)	<b>0-300</b>	\$5.56

**TRUCK MOUNTED**      [ **TRMD** ]  
 Including truck. Capacity rated in liters (U.S. gallons).

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	3028 (800)	<b>00-08</b>	\$50.52
3028 (800)	5299 (1400)	<b>08-14</b>	\$64.34
5299 (1400)	6831 (1800)	<b>14-18</b>	\$66.46
6831 (1800)	11355 (3000)	<b>18-30</b>	\$67.98
11355 (3000)	15140 (4000)	<b>30-40</b>	\$71.16

<b>BROOMS &amp; SWEEPING EQUIPMENT</b>	[ <b>BRMSW</b> ]
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**DELAY FACTOR = 0.16**      **OVERTIME FACTOR = 0.85**  
 Includes all attachments and accessories with brooms of any type. Includes broom wear.

**BROOMS - MOUNTED & TOWED**      [ **MTTD** ]  
 Includes traction, PTO or engine driven.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
ALL	<b>ALL</b>	\$23.29

<b>BROOMS - SELF PROPELLED</b>	[ <b>SFPR</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
ALL	<b>ALL</b>	\$34.02	

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

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	2.3 (3.0)	<b>0-3</b>	\$78.61
2.3 (3.0)	4.6 (6.0)	<b>3-6</b>	\$104.78
4.6 (6.0)	6.9 (9.0)	<b>6-9</b>	\$122.25

<b>BRUSH CHIPPING &amp; SHREDDING MACHINES</b>	[ <b>BRUCP</b> ]
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**DELAY FACTOR = 0.08**      **OVERTIME FACTOR = 0.92**  
 Includes all attachments, accessories and power unit. Rated in accordance with the cutter head width in millimeters(inches)

<b>BRUSH CHIP &amp; SHRED</b>	[ <b>BCSM</b> ]		
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	230 (9)	<b>00-09</b>	\$23.35
230 (9)	300 (12)	<b>09-12</b>	\$36.32
300 (12)	405 (16)	<b>12-16</b>	\$35.85

<b>COMPACTORS, HAND GUIDED</b>	[ <b>COMHG</b> ]
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**DELAY FACTOR = 0.20**      **OVERTIME FACTOR = 0.81**  
 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)

<b>COMPACTORS</b>	[ <b>COMP</b> ]		
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	113 (250)	<b>0-250</b>	\$3.11
113 (250)	& Higher	<b>250</b>	\$7.55

<b>CONCRETE MIXERS</b>	[ <b>CONMX</b> ]
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**DELAY FACTOR = 0.13**      **OVERTIME FACTOR = 0.88**

<b>STATIONARY OR PORTABLE</b>	[ <b>SORP</b> ]		
Rated by Mfr's capacity in cubic meters (sacks or cubic feet).			
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	0.10 (3.5)	<b>0-3.5</b>	\$1.70
0.10 (3.5)	0.17 (6.0)	<b>03.5-6</b>	\$2.49
0.17 (6.0)	0.31 (11)	<b>06-11</b>	\$3.21
0.31 (11)	0.45 (16)	<b>11-16</b>	\$4.55

<b>TRANSIT MIX</b>	[ <b>TRMX</b> ]		
PTO type, including carrier. Rated by Mfr's capacity in cubic meters (cubic yards).			
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
6.4 (9)	7.6 (10)	<b>09-10</b>	\$118.68
7.6 (10)	9.2 (12)	<b>10-12</b>	\$118.41

**CONCRETE PUMPS**

[ CONPM ]

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

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

<b>ELBA</b> [ ELBA ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
K-8020	<b>1000</b>	\$78.66

<b>MAYCO</b> [ MACO ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
C-30HD	<b>1020</b>	\$14.95
LST-30/60S	<b>1024</b>	\$25.78

<b>SCHWING</b> [ SHWG ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
BPA-1000	<b>1050</b>	\$32.24
WP-1000X	<b>1052</b>	\$42.42
WP-1250X	<b>1054</b>	\$54.62
900-1200 w/28 m boom	<b>1055</b>	\$84.78
900-1200 w/32 m boom	<b>1057</b>	\$91.05
BPL 1200 w/36 m boom	<b>1058</b>	\$100.96

<b>THOMSEN</b> [ THOM ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
A-3.75 w/ mixer	<b>1070</b>	\$20.04
A-7	<b>1072</b>	\$17.18
11 pump w/28 m boom	<b>1078</b>	\$96.91
12 pump w/32 m boom	<b>1082</b>	\$104.61
14 pump w/36 m boom	<b>1084</b>	\$154.63

**CONCRETE SLIPFORM PAVERS**

[ CONSF ]

**DELAY FACTOR = 0.24****OVERTIME FACTOR = 0.80**

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

<b>C.M.I.</b> [ CMI ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
SF-250	<b>2002</b>	\$148.93
SF-350 series 2	<b>2004</b>	\$246.75
SF-550	<b>2006</b>	\$323.14

<b>GOMACO</b> [ GOMA ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
GP-2000	<b>2020</b>	\$150.51
GP-2500	<b>2022</b>	\$166.69
GP-3500	<b>2024</b>	\$241.01

**CONCRETE VIBRATORS**

[ CONVB ]

**DELAY FACTOR = 0.33****OVERTIME FACTOR = 0.68**

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

<b>CONCRETE VIBRATORS</b> [ CVIB ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
Each Vibrating Head	<b>EVHD</b>	\$0.85

**CURB EXTRUSION MACHINES**

[ CRBEX ]

**DELAY FACTOR = 0.24****OVERTIME FACTOR = 0.80**

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).

<b>CURB EXTRUSION MACHINE</b> [ CEM ]			
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	460 (18)	<b>0-18</b>	\$26.25
460 (18)	& Over	<b>18 PLUS</b>	\$75.91

**CONCRETE BARRIER SLIPFORM PAVERS**

[ CRBSF ]

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

Includes all attachments, accessories and barrier or curb molds.

<b>C.M.I.</b> [ CMI ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
SF-175	<b>3000</b>	\$111.34

<b>CURBMASTER</b> [ CURB ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
CMT-800	<b>3020</b>	\$70.60

<b>GOMACO</b> [ GOMA ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
GT-6000-(78&90)	<b>3040</b>	\$78.15
COMMANDER II	<b>3045</b>	\$90.52
COMMANDER III	<b>3050</b>	\$123.85

<b>MILLER FORMLESS</b> [ MILL ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
M-7500	<b>3063</b>	\$91.41
M-8100	<b>3065</b>	\$129.30
M-8800	<b>3067</b>	\$166.72

**ELECTRIC GENERATORS & LIGHT PLANTS [ ELGEN ]**

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

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	<b>000-001</b>	\$0.67
1	3	<b>001-003</b>	\$1.55
3	7.5	<b>003-008</b>	\$3.20
7.5	15	<b>008-015</b>	\$7.17
15	25	<b>015-025</b>	\$11.23
25	50	<b>025-050</b>	\$11.41
50	100	<b>050-100</b>	\$20.44
100	200	<b>100-200</b>	\$41.13
200	300	<b>200-300</b>	\$69.82
300	400	<b>300-400</b>	\$95.28
400	500	<b>400-500</b>	\$119.43

**LIGHTS [ LITE ]**

Includes trailer, pole and generator.

Model	Code	Rate
2 Light Set	<b>2 LIGHT</b>	\$3.29
4 Light Set	<b>4 LIGHT</b>	\$6.72

**ELECTRIC POWERED HAND TOOLS [ ELTOL ]**

**DELAY FACTOR = 0.63 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	<b>045-060</b>	\$0.25
600	800	<b>060-080</b>	\$0.33
800	1000	<b>080-100</b>	\$0.43

**FORK LIFT TRUCKS [ FKLFT ]**

**DELAY FACTOR = 0.23 OVERTIME FACTOR = 0.78**

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)	<b>010-040</b>	\$23.03
1814 (4000)	2722 (6000)	<b>040-060</b>	\$30.66
2722 (6000)	3629 (8000)	<b>060-080</b>	\$34.62
3629 (8000)	5443 (12000)	<b>080-120</b>	\$47.80
5443 (12000)	7258 (16000)	<b>120-160</b>	\$50.45
7258 (1600)	9072 (20000)	<b>160-200</b>	\$59.20
9072 (20000)	11340 (25000)	<b>200-250</b>	\$58.76

11340 (25000)	13608 (30000)	<b>250-300</b>	\$64.74
13608 (30000)	18144 (40000)	<b>300-400</b>	\$82.85
18144 (40000)	22680 (50000)	<b>400-500</b>	\$99.92
22680 (50000)	34020 (75000)	<b>500-750</b>	\$136.56

**GRADERS [ GRADR ]**

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

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	<b>2173</b>	\$20.98
747	<b>2178</b>	\$30.70

**CATERPILLAR [ CAT ]**

Model	Code	Rate
120G 87V serial	<b>2685</b>	\$60.96
130G 74V serial	<b>2695</b>	\$67.97
12E 99E serial	<b>2710</b>	\$39.52
12F 73G serial	<b>2768</b>	\$59.70
12F 13K serial	<b>2826</b>	\$47.17
12F 89H serial	<b>2884</b>	\$47.69
12G 61M serial	<b>2890</b>	\$69.89
12H	<b>2895</b>	\$76.28
14E 72G serial	<b>3174</b>	\$62.00
14G	<b>3180</b>	\$104.30
14H	<b>3185</b>	\$115.64
140 14U serial	<b>3250</b>	\$63.12
140G 72V serial	<b>3260</b>	\$75.11
140H	<b>3265</b>	\$81.54
143H	<b>3267</b>	\$91.49
16 49G serial	<b>3290</b>	\$81.42
16 49G800 serial	<b>3348</b>	\$118.91
16 G93U serial	<b>3360</b>	\$145.51
16H	<b>3380</b>	\$156.08
160H	<b>3385</b>	\$95.45
163H	<b>3390</b>	\$101.58

**JOHN DEERE [ DEER ]**

Model	Code	Rate
JD-570A	<b>3890</b>	\$39.78
JD-570B	<b>3892</b>	\$47.37
JD-670	<b>3900</b>	\$49.74
JD-670A	<b>3905</b>	\$56.40
JD-670CH	<b>3907</b>	\$75.84
JD-770	<b>3910</b>	\$56.55
JD-770A, 770A-H	<b>3915</b>	\$67.87
JD-770B	<b>3916</b>	\$75.91
JD-772CH	<b>3930</b>	\$92.27

<b>GALION</b>	[ GALN ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
A-400E	4940	\$54.90	
T-400A	4980	\$52.06	
T-500C	5150	\$60.33	
T-500L	5204	\$58.37	
T-500M	5210	\$62.05	

<b>KOMATSU</b>	[ KOMA ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
GD 505A-2	8980	\$57.46	
GD 515A-1	8986	\$60.93	
GD 605A-2	9000	\$63.24	
GD 615A-1	9005	\$71.29	
GD 625A-1C	9007	\$95.42	
GD 655A-2	9010	\$69.76	

<b>HAMMERS, DEMOLITION &amp; PILE</b>	[ HAMMR ]
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**DELAY FACTOR = 0.27                      OVERTIME FACTOR = 0.76**  
 Includes attachments, accessories and power unit. Does not include carrier.

<b>ABI</b>	[ ABI ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
HVR-60	0100	\$33.23	

<b>AMERICAN PILE DRIVING EQUIPMENT</b>	[ APE ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
150	0010	\$143.51	
180	0050	\$192.87	
200/500	0060	\$218.26	
300 VIBRO	0075	\$239.27	
400B VIBRO	0085	\$384.96	

<b>ALLIED STEEL &amp; TRACTOR</b>	[ AS&T ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
800	0300	\$54.43	
HYRAM 720	0310	\$5.82	
HYRAM 725	0320	\$10.73	
HYRAM 730	0330	\$13.24	
HYRAM 740	0340	\$18.84	
HYRAM 750	0350	\$21.04	
HYRAM 77	0360	\$8.88	
HYRAM 770	0370	\$21.71	
HYRAM 780	0380	\$34.96	
HYRAM 790	0390	\$46.27	
HYRAM 88	0400	\$15.34	

<b>DELMAG</b>	[ DELM ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
D-12	0500	\$23.88	
D-16	0510	\$33.55	

D-22	0520	\$53.32
D-30	0530	\$39.10
D-30-32	0540	\$59.80
D-36-32	0560	\$78.03
D46-32	0570	\$91.35
D62-22	0580	\$150.22
D100-13	0590	\$235.55

<b>FOSTER</b>	[ FOST ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
1700	0600	\$116.98	
4030	0630	\$164.98	
FNV-1800	0660	\$102.30	
FNV-4150	0693	\$211.89	

<b>HYDRAULIC POWER SYS</b>	[ HPSI ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
150	0420	\$84.32	
260	0430	\$133.29	
300	0440	\$160.21	

<b>I.C.E.</b>	[ ICE ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
44-50	0450	\$202.13	
216	0460	\$73.18	
416L	0470	\$120.87	
812	0480	\$187.21	

<b>KENT</b>	[ KENT ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
KHB10G	0700	\$17.80	
KHB 15G	0710	\$27.06	
KHB 30G	0750	\$29.74	
KHB 40G	0760	\$48.65	

<b>NPK</b>	[ NPK ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
4XE	0795	\$15.00	
6XA	0800	\$12.90	
H-10XB	0810	\$32.63	
H-12X	0815	\$35.04	
H-16X	0820	\$31.26	
H-20X	0840	\$35.98	
H4X,HXA	0860	\$10.68	
H7X	0880	\$14.19	

<b>OKADA</b>	[ OKAD ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
UB-5	0900	\$7.61	
UB-8	0950	\$14.66	

**RAMMER****[ RAMR ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
S-84	<b>1000</b>	\$31.63
S-86	<b>1050</b>	\$33.96

**STANLEY****[ STAN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MB250	<b>1100</b>	\$5.62
MB2900	<b>1120</b>	\$23.45
MB4900	<b>1140</b>	\$41.73
MB550	<b>1160</b>	\$8.91
MB800	<b>1180</b>	\$13.33

**TELEDYNE****[ TELD ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
950X	<b>1190</b>	\$32.36
TB1025	<b>1195</b>	\$35.41
TB1425X	<b>1200</b>	\$34.02
TB2225X	<b>1220</b>	\$63.60
TB425	<b>1240</b>	\$13.22
TB825X	<b>1260</b>	\$23.04

**TRAMAC****[ TRMC ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BRH1100	<b>1300</b>	\$35.51
BRH125	<b>1310</b>	\$10.79
BRH250	<b>1320</b>	\$12.65
BRH400	<b>1330</b>	\$11.87
BRH620	<b>1340</b>	\$23.11
BRH750	<b>1350</b>	\$22.01
BRV950	<b>1360</b>	\$23.26

**TUNKER****[ TUNK ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
40.01	<b>1400</b>	\$161.05
40.05	<b>1450</b>	\$161.05
60.05	<b>1460</b>	\$134.22

**VULCAN****[ VULC ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
1	<b>1500</b>	\$26.30
010	<b>1520</b>	\$37.26
100C	<b>1540</b>	\$38.48
2300	<b>1560</b>	\$127.90
80C	<b>1580</b>	\$29.58

**HYDRAULIC CRANES & EXCAVATORS, [ HCECL ]  
CRAWLER MOUNTED****DELAY FACTOR = 0.23****OVERTIME FACTOR = 0.79**Includes all attachments and accessories required for lifting or digging.  
Pavement breaker or compactor attachments are not included.**BANTAM****[ BANT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
C 266	<b>0680</b>	\$73.56
C 366	<b>0690</b>	\$85.59
C 744	<b>1075</b>	\$57.02

**CASE****[ CASE ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
9030B	<b>0100B</b>	\$75.11
9040	<b>0110</b>	\$86.72
9060B	<b>0120B</b>	\$174.89
40E E-Boom	<b>1600</b>	\$67.57
40E Y-Boom	<b>1601</b>	\$67.99
50E	<b>1602</b>	\$85.31
125B	<b>1602H</b>	\$70.91
170C	<b>1602N</b>	\$97.46
220B	<b>1602R</b>	\$126.70
880B Y-Boom	<b>1609</b>	\$47.91
980B	<b>1615</b>	\$74.54
1080	<b>1615E</b>	\$64.56
1080B	<b>1615J</b>	\$66.26
1280	<b>1616</b>	\$89.16
1280B	<b>1616E</b>	\$82.94

**CATERPILLAR****[ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
312	<b>0300</b>	\$45.19
312C	<b>0300C</b>	\$49.42
312CL	<b>0300CL</b>	\$50.38
315L	<b>0305</b>	\$54.97
320	<b>0310</b>	\$72.58
320BL	<b>0312</b>	\$77.04
320C	<b>0312C</b>	\$74.58
320CL	<b>0312CL</b>	\$83.25
320L	<b>0315</b>	\$74.09
321C LCR	<b>0320R</b>	\$102.51
322L	<b>0325</b>	\$91.23
325	<b>0330</b>	\$95.83
325BL	<b>0335</b>	\$106.25
325L	<b>0340</b>	\$100.76
330BL	<b>0345</b>	\$132.67
330CL	<b>0345CL</b>	\$142.88
330L	<b>0350</b>	\$126.29
345BL	<b>0355</b>	\$178.85
350L	<b>0360</b>	\$180.49



375L	<b>0365</b>	\$290.77	890A	<b>1705</b>	\$108.86
205	<b>1617</b>	\$31.29	892D LC	<b>1708</b>	\$101.30
211	<b>1617E</b>	\$45.04	990	<b>1720</b>	\$128.90
213	<b>1617H</b>	\$49.69	992D LC	<b>1722</b>	\$148.51
215	<b>1618</b>	\$51.70	30	<b>1725</b>	\$17.40
215B LC	<b>1619E</b>	\$57.58	50	<b>1730</b>	\$27.65
215C	<b>1619F</b>	\$63.53	70	<b>1735</b>	\$25.80
215D	<b>1619G</b>	\$70.74	200LC	<b>1745</b>	\$80.50
225	<b>1620</b>	\$73.04	<b>DROTT</b>	<b>[ DROT ]</b>	
225LC	<b>1621</b>	\$73.59	<u>Model</u>	<u>Code</u>	<u>Rate</u>
225D LC	<b>1622</b>	\$92.78	35D E boom	<b>1835</b>	\$51.52
227	<b>1623</b>	\$76.76	35D Y boom	<b>1845</b>	\$51.96
229	<b>1625</b>	\$99.44	40D E boom	<b>1930</b>	\$63.73
231D	<b>1630</b>	\$114.11	40D Y boom	<b>1965</b>	\$69.06
231DLC	<b>1635</b>	\$115.75	50D	<b>2005</b>	\$82.77
235	<b>1640</b>	\$118.59	<b>FIAT-ALLIS</b>	<b>[ F-A ]</b>	
235B	<b>1642</b>	\$132.12	<u>Model</u>	<u>Code</u>	<u>Rate</u>
235 Front Shovel	<b>1645</b>	\$128.75	FE 18	<b>9000</b>	\$47.45
235B Front Shovel	<b>1647</b>	\$143.64	FE 20 HD	<b>9010</b>	\$60.30
235C	<b>1648</b>	\$150.03	FE 20 LC	<b>9020</b>	\$56.25
235DLC	<b>1649</b>	\$156.17	FE 28	<b>9030</b>	\$78.73
245	<b>1650</b>	\$200.11	FE 40 L	<b>9040</b>	\$136.80
245B	<b>1650B</b>	\$220.40	<b>GRADALL</b>	<b>[ GRAD ]</b>	
245 Front Shovel	<b>1652</b>	\$212.35	<u>Model</u>	<u>Code</u>	<u>Rate</u>
245B Front Shovel	<b>1652B</b>	\$236.43	G 660	<b>0150</b>	\$64.42
E 180	<b>1653</b>	\$61.02	G 660B	<b>0160</b>	\$80.60
EL 180	<b>1654</b>	\$62.21	G 660C	<b>0170</b>	\$81.38
EL 200B	<b>1654E</b>	\$67.22	G 880B	<b>0210</b>	\$87.70
E 240	<b>1655</b>	\$78.78	G 880C	<b>0215</b>	\$84.84
EL 240	<b>1656</b>	\$80.31	G 1000	<b>0230</b>	\$135.76
E 300	<b>1657</b>	\$98.78	XL4200	<b>0260</b>	\$82.28
E 300B	<b>1657B</b>	\$109.67	XL5200	<b>0280</b>	\$98.92
EL 300	<b>1658</b>	\$100.77	<b>HITACHI</b>	<b>[ HIT ]</b>	
EL 300B	<b>1658B</b>	\$111.81	<u>Model</u>	<u>Code</u>	<u>Rate</u>
<b>JOHN DEERE</b>	<b>[ DEER ]</b>		UH 07LC	<b>2630</b>	\$61.83
<u>Model</u>	<u>Code</u>	<u>Rate</u>	UH 062	<b>2660</b>	\$63.69
330C LC	<b>1600C</b>	\$134.02	UH 172	<b>2695</b>	\$120.09
450LC	<b>1645</b>	\$172.78	UH 122	<b>2750</b>	\$79.88
490	<b>1660</b>	\$37.24	EX 150	<b>2797</b>	\$57.64
490E	<b>1660E</b>	\$48.27	EX 200 LC	<b>2800</b>	\$70.11
690A	<b>1685</b>	\$49.33	EX 270 LC	<b>2806</b>	\$104.79
690B	<b>1695</b>	\$63.59	EX 300LC-2	<b>2807</b>	\$121.48
690C	<b>1697</b>	\$58.20	EX 300LC-3	<b>2807A</b>	\$125.15
690D	<b>1697D</b>	\$61.48	EX 330LC-5	<b>2807B</b>	\$139.29
690E LC	<b>1697ELC</b>	\$72.15	EX 370-5	<b>2807F</b>	\$145.24
790	<b>1698</b>	\$73.52	EX 400 LC	<b>2808</b>	\$160.93
790D	<b>1698D</b>	\$79.27	EX 450LC-5	<b>2808K</b>	\$191.46
790E LC	<b>1698ELC</b>	\$88.60	EX 550LC	<b>2809</b>	\$237.96
792	<b>1699</b>	\$87.32			
890	<b>1700</b>	\$117.42			

EX 700	2810	\$286.96	6614	6005	\$46.79
EX 750-5	2815	\$299.33	6612	6010	\$45.61
EX 1100	2880	\$369.14	6620	6015	\$65.00
<b>HYUNDAI</b>	<b>[ HYUN ]</b>		6625	6020	\$79.35
<u>Model</u>	<u>Code</u>	<u>Rate</u>	6633	6029	\$111.55
200LC	2950	\$69.06	6644	6040	\$149.32
210LC-3	2952C	\$72.02	<b>KOMATSU</b>	<b>[ KOMA ]</b>	
280LC	2960	\$101.81	<u>Model</u>	<u>Code</u>	<u>Rate</u>
290LC	2970	\$106.53	PC 120-5	9485	\$49.76
450LC	3010	\$161.81	PC 150-1	9490	\$43.72
<b>INTERNATIONAL</b>	<b>[ INTL ]</b>		PC 150-3	9495	\$54.37
<u>Model</u>	<u>Code</u>	<u>Rate</u>	PC 200 LC-2	9500	\$54.76
630	4250	\$48.07	PC 200-5	9504	\$72.08
640 HD	4260	\$64.39	PC 200 LC-3	9505	\$66.83
650 HD	4280	\$74.59	PC 200 LC-5	9506	\$73.60
<b>KATO</b>	<b>[ KATO ]</b>		PC 220 LC-2	9510	\$70.59
<u>Model</u>	<u>Code</u>	<u>Rate</u>	PC 220 LC-3	9515	\$82.73
HD450 VII	3050	\$46.54	PC 220 LC-5	9516	\$89.66
HD700 VII LC	3060	\$67.62	PC 220 LC-6	9516F	\$96.89
HD1250 VII LC	3080	\$112.80	PC 220 LC-7	9516G	\$100.72
<b>KOBELCO</b>	<b>[ KOBL ]</b>		PC 280 LC-3	9517	\$93.48
<u>Model</u>	<u>Code</u>	<u>Rate</u>	PC 300 LC-1, LC-2	9520	\$90.71
SK200LC MARK III	4687	\$72.35	PC 300 LC-3	9525	\$109.78
K 903B	4688	\$32.65	PC 300 LC-5	9526	\$126.35
K 904D	4693	\$35.83	PC 300 LC-6	9526A	\$138.47
K 904E	4694	\$37.82	PC 360 LC-3	9527	\$126.47
K 904 Mark II	4694A	\$37.95	PC 400 LC-1	9530	\$124.10
K 905	4695	\$40.56	PC 400 LC-3	9535	\$146.28
K 905A LC	4697	\$44.01	PC 400 LC-5	9536	\$165.93
K 907C	4700	\$59.22	PC 400 LC-6	9537	\$182.11
K 907D	4702	\$63.78	PC 600 LC-6	9539	\$258.58
K 907 LC	4704	\$64.56	PC 650-1	9540	\$228.62
K 909A	4710	\$82.40	PC 650-1 Front Shovel	9550	\$243.98
K 909 LC	4711	\$85.02	PC 650-3	9552	\$245.96
K 912A	4712	\$97.49	PC 750-6	9555	\$298.72
K 914	4715	\$117.80	PC 1000-1	9560	\$381.38
K 916	4717	\$131.45	PC 1000 LC-1	9565	\$394.48
SK270LC MARK IV	4720	\$104.24	PC 1100 LC-6	9575LC	\$457.66
SK400LC MARK IV	4725	\$174.29	<b>LINK-BELT</b>	<b>[ L-B ]</b>	
<b>KOEHRING</b>	<b>[ KOEH ]</b>		<u>Model</u>	<u>Code</u>	<u>Rate</u>
<u>Model</u>	<u>Code</u>	<u>Rate</u>	LS 1600	5390	\$28.48
366 post 1980	4752	\$100.52	LS 2650	5395	\$39.66
466E	4990	\$115.81	LS 2700C II	5398	\$55.17
566	5160	\$128.04	2700 QUANTUM	5399	\$58.08
666, 666E	5225	\$161.78	LS 2800	5400	\$46.32
866, 866E	5235	\$192.12	LS 2800A	5402	\$55.15
6611	6000	\$38.03	LS 2800A PL	5404	\$47.02
			LS 2800 PL	5405	\$44.08
			LS 2800B	5410	\$59.54

LS 3400	5475	\$79.52	TB 35S	7690	\$17.95
LS 3400C II	5477	\$85.39	TB 68S	7692	\$27.01
LS 4300	5660	\$100.58	TB 800	7695	\$12.88

<b>HYDRAULIC CRANES &amp; EXCAVATORS, [ HCESP ] SELF PROPELLED.</b>
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**DELAY FACTOR = 0.19                      OVERTIME FACTOR = 0.83**  
Includes all attachments and accessories required for lifting or digging.  
Pavement breaker or compactor attachments are not included.

**MASSEY FERGUSON**

[ M-F ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MF 450D	6245	\$38.25
MF 450S	6250	\$40.45

**mitsubishi**

[ MITS ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MS 090	6290	\$27.98
MS 180-3	6295	\$53.19
MS 180 LC-8	6296	\$59.96
MS 230 LC-3	6300	\$69.27
MS 240 LC-8	6305	\$74.86
MS 280-2	6310	\$84.67
MS 380-2	6320	\$119.46
MS 450-8	6330	\$136.06

**NORTHWEST**

[ NW ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
35 DH	6335	\$103.47
45 DH	6340	\$115.63
55 DH	6345	\$123.37
55 DH Series II	6360	\$204.66

**P&H**

[ P&H ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
H 750	6628	\$50.44
H 1250	6630	\$83.25
H 1750	6635	\$106.40
H 2500	6645	\$135.56
HS 2500	6650	\$140.56

**TAKEUCHI**

[ TAKU ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TB 15	7686	\$11.77
TB 025	7686A	\$19.45
TB 045	7686E	\$32.21
TB 070	7686H	\$32.58
TB 10S	7688	\$9.24

**BUCYRUS-ERIE**

[ B-E ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
300C/SP	1670	\$59.39
320C	1672	\$59.59
360C	1678	\$59.94

**BADGER**

[ BAGR ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4425/30	1565	\$81.86
4435	1570	\$90.12
4435B	1573	\$91.68
4435C	1573C	\$104.21
4445	1574	\$131.07
4450	1575	\$97.21
4450B	1577	\$104.70
4455	1579	\$131.85

**CASE**

[ CASE ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
40E E-Boom, Cruz Air	1685	\$52.20
40E Y-Boom, Cruz Air	1687	\$52.43
40F E-Boom, Cruz Air	1687H	\$54.59
40F Y-Boom, Cruz Air	1687K	\$55.43
45 E-Boom, Cruz Air	1688	\$67.25
45 Y-Boom, Cruz Air	1689	\$72.30
45B E-Boom, Cruz Air	1689H	\$71.46
45B Y-Boom, Cruz Air	1689K	\$72.24
880R E-Boom	1690	\$46.16
880R Y-Boom	1695	\$46.29
1085 E-Boom, Cruz Air	1696E	\$54.38
1085 Y-Boom, Cruz Air	1696Y	\$54.70
1085B Y-Boom, Cruz Air	1696Z	\$60.99
1285 E-Boom, Cruz Air	1697E	\$67.47
1285 Y-Boom, Cruz Air	1697Y	\$67.62
3330 Low Profile	1698E	\$27.94
3330B	1698H	\$28.20

**CATERPILLAR**

[ CAT ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
206	1699	\$38.63
212	1699E	\$49.12
214	1699H	\$53.00
224	1699J	\$65.44

<b>GRADALL</b>	<b>[ GRAD ]</b>		<b>KOMATSU</b>	<b>[ KOMA ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<u>Model</u>	<u>Code</u>	<u>Rate</u>
G 3WD, 4x4	<b>0110</b>	\$78.11	PW 210-1	<b>9580</b>	\$90.01
<b>GROVE</b>	<b>[ GROV ]</b>		<b>LINK-BELT</b>	<b>[ L-B ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<u>Model</u>	<u>Code</u>	<u>Rate</u>
24	<b>3820</b>	\$29.35	HSP 15	<b>5500</b>	\$57.75
36	<b>3830</b>	\$47.30	HSP 18	<b>5505</b>	\$57.75
68	<b>3850</b>	\$56.37	HSP 20	<b>5510</b>	\$64.11
1012	<b>3870</b>	\$69.50	HSP 22	<b>5530</b>	\$65.60
2535	<b>3880</b>	\$90.65	HSP 25	<b>5535</b>	\$70.83
RT-48	<b>4030</b>	\$49.97	HSP 8015	<b>5538</b>	\$69.82
RT-49	<b>4115</b>	\$50.26	HSP 8018	<b>5538E</b>	\$69.82
RT-58	<b>4285</b>	\$51.57	HSP 8018XL	<b>5538G</b>	\$84.44
RT-418	<b>4354</b>	\$68.71	HSP 8018C	<b>5538H</b>	\$65.25
RT-420	<b>4356</b>	\$68.71	HSP 8025	<b>5538P</b>	\$73.16
RT-422	<b>4358</b>	\$68.71	HSP 8025 S	<b>5538PF</b>	\$74.83
RT-500D	<b>4359</b>	\$93.27	HSP 8030	<b>5538Q</b>	\$84.41
RT-525	<b>4360</b>	\$61.42	HSP 8035	<b>5538R</b>	\$124.54
RT-525B	<b>4362</b>	\$64.50	HSP 8040	<b>5538S</b>	\$124.69
RT-525C	<b>4363</b>	\$82.08	HSP 8050	<b>5538T</b>	\$126.99
RT-527.5	<b>4365</b>	\$62.32	HSP 8055	<b>5538V</b>	\$111.96
RT-528B	<b>4370</b>	\$64.50	HSP 8060	<b>5539</b>	\$141.59
RT-528C	<b>4372</b>	\$81.99			
RT-60	<b>4520</b>	\$60.15	<b>LORAIN</b>	<b>[ LORN ]</b>	
RT-60S	<b>4540</b>	\$62.18	<u>Model</u>	<u>Code</u>	<u>Rate</u>
RT-515	<b>4606</b>	\$61.12	LRT 15H	<b>5730</b>	\$58.72
RT-518	<b>4607</b>	\$63.18	LRT 15U	<b>5735</b>	\$60.00
RT-520	<b>4608</b>	\$64.79	LRT 18U	<b>5740</b>	\$60.54
RT-522	<b>4609</b>	\$63.99	LRT 35U	<b>5745</b>	\$89.03
RT-522C	<b>4609G</b>	\$80.79	LRT 40U	<b>5750</b>	\$90.21
RT-625	<b>4630</b>	\$70.55	LRT 150	<b>5755</b>	\$58.59
RT-630	<b>4635</b>	\$70.55	LRT 150D	<b>5756</b>	\$75.67
RT-630B	<b>4637</b>	\$77.24	LRT 180	<b>5760</b>	\$58.53
RT-635	<b>4640</b>	\$78.94	LRT 180D	<b>5760D</b>	\$75.67
RT-65 S	<b>4700</b>	\$82.73	LRT 200	<b>5765</b>	\$58.21
RT-740	<b>4710</b>	\$94.70	LRT 200D	<b>5765D</b>	\$75.84
RT-745	<b>4715</b>	\$124.73	LRT 220	<b>5767</b>	\$60.97
RT-75 S	<b>4720</b>	\$89.10	LRT 230	<b>5768</b>	\$66.88
RT-755	<b>4725</b>	\$103.36	LRT 230D	<b>5768D</b>	\$75.87
RT-760	<b>4727</b>	\$153.07	LRT 250	<b>5769</b>	\$66.91
RT-865	<b>4730</b>	\$128.19	LRT 250D	<b>5769D</b>	\$75.87
RT-865B	<b>4732</b>	\$177.70	LRT 275	<b>5770</b>	\$66.91
RT-875	<b>4735</b>	\$158.96	LRT 275D	<b>5770D</b>	\$75.87
RT-980	<b>4750</b>	\$154.14	LRT 330	<b>5772</b>	\$84.33
RT-990	<b>4760</b>	\$181.29	LRT 400	<b>5773</b>	\$97.61
RT-9100	<b>4790</b>	\$230.55	LRT 450	<b>5774</b>	\$100.98
			LRT 500	<b>5775</b>	\$104.24
			LRT 550	<b>5790</b>	\$109.87

<b>P&amp;H</b>	<b>[ P&amp;H ]</b>		80 SC P Series	<b>7260</b>	\$88.78
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<b>R.O. PRODUCTS</b>	<b>[ ROP ]</b>	
OMEGA 14	<b>5790</b>	\$55.86	<u>Model</u>	<u>Code</u>	<u>Rate</u>
OMEGA 15	<b>5792</b>	\$55.86	MC 5A	<b>8005</b>	\$28.94
OMEGA 18	<b>5794</b>	\$56.32	MC 50B	<b>8175</b>	\$46.42
OMEGA 25	<b>5795</b>	\$76.57	MC 50C	<b>8260</b>	\$47.82
OMEGA 20	<b>5796</b>	\$57.05	<b>HYDRAULIC CRANES &amp; EXCAVATORS, [ HCETD ] TRUCK MTD. W/ CARRIER</b>		
OMEGA 23	<b>5796E</b>	\$59.99	<b>DELAY FACTOR = 0.18</b>	<b>OVERTIME FACTOR = 0.85</b>	
OMEGA 30	<b>5796J</b>	\$79.17	Includes truck/carrier. Includes all attachment and accessories required for lifting or digging. Pavement breaker or compactor attachments are not included.		
OMEGA 35	<b>5796P</b>	\$80.20	<b>BUCYRUS-ERIE</b>	<b>[ B-E ]</b>	
OMEGA 40	<b>5797</b>	\$108.88	<u>Model</u>	<u>Code</u>	<u>Rate</u>
OMEGA 45	<b>5797E</b>	\$110.72	25 XC	<b>1360</b>	\$76.65
OMEGA 50	<b>5797J</b>	\$112.21	30 XC	<b>1370</b>	\$77.34
OMEGA 60	<b>5798</b>	\$112.47	40 C	<b>1475</b>	\$67.36
OMEGA 65	<b>5799</b>	\$137.33	60 XC	<b>1590</b>	\$125.80
OMEGA 114	<b>5799C</b>	\$64.83	65 C	<b>1592</b>	\$107.44
OMEGA 114D	<b>5799G</b>	\$62.75	90 XC	<b>1600</b>	\$138.15
OMEGA 118	<b>5799Q</b>	\$66.44	<b>BADGER</b>	<b>[ BAGR ]</b>	
OMEGA 118D	<b>5799S</b>	\$62.90	<u>Model</u>	<u>Code</u>	<u>Rate</u>
OMEGA 120	<b>5799U</b>	\$68.19	300 Hydro-Scopic	<b>0550</b>	\$53.25
OMEGA 120D	<b>5799W</b>	\$63.65	460 Hydro-Scopic	<b>0555</b>	\$65.70
OMEGA 122	<b>5799X</b>	\$69.25	666 Hydro-Scopic	<b>0560</b>	\$93.92
OMEGA 122D	<b>5799Y</b>	\$64.27	888 Hydro-Scopic	<b>0600</b>	\$99.98
OMEGA 125	<b>5799Z</b>	\$69.65	<b>BANTAM</b>	<b>[ BANT ]</b>	
OMEGA 128	<b>5799ZA</b>	\$68.19	<u>Model</u>	<u>Code</u>	<u>Rate</u>
R 150	<b>5890</b>	\$46.52	T 744 Teleskoop	<b>1285</b>	\$61.66
R 150-1	<b>5910</b>	\$46.00	T 888	<b>1310</b>	\$86.48
R 180	<b>5975</b>	\$46.86	T 888B	<b>1315</b>	\$99.89
R 200	<b>6060</b>	\$47.20	<b>DEVAULT</b>	<b>[ DVUT ]</b>	
OMEGA S-15	<b>6062</b>	\$79.08	<u>Model</u>	<u>Code</u>	<u>Rate</u>
OMEGA S-18	<b>6063</b>	\$79.08	TK 15-10	<b>1900</b>	\$37.18
OMEGA S-20	<b>6064</b>	\$81.85	<b>GRADALL</b>	<b>[ GRAD ]</b>	
S-35	<b>6064E</b>	\$110.21	<u>Model</u>	<u>Code</u>	<u>Rate</u>
<b>PETTIBONE</b>	<b>[ PET ]</b>		G 3W	<b>0120</b>	\$62.65
<u>Model</u>	<u>Code</u>	<u>Rate</u>	G 660	<b>0170</b>	\$61.53
16 MK P Series	<b>6500</b>	\$51.73	G 660B	<b>0180</b>	\$78.82
20 MK P Series	<b>6580</b>	\$52.41	G 660C	<b>0190</b>	\$77.55
25	<b>6740</b>	\$47.74	G 800	<b>0210</b>	\$51.10
25 MK P Series	<b>6750</b>	\$53.24	G 880B	<b>0220</b>	\$87.68
29 MK P Series	<b>6880</b>	\$54.34	G 880C	<b>0230</b>	\$85.88
30	<b>6900</b>	\$47.74	G 1000	<b>0240</b>	\$97.23
30 MK P Series	<b>6903</b>	\$55.40			
30 SC, 30 SC P Series	<b>6910</b>	\$74.57			
60 SC	<b>6990</b>	\$81.41			
60 SC P Series	<b>6995</b>	\$88.07			
70	<b>7100</b>	\$87.11			
70 SC	<b>7165</b>	\$86.45			
70 SC P Series	<b>7170</b>	\$93.15			
80 MK P Series	<b>7250</b>	\$87.28			

<b>GROVE</b>	<b>[ GROV ]</b>		HTC 855	<b>4539H</b>	\$126.17
<u>Model</u>	<u>Code</u>	<u>Rate</u>	HTC 860	<b>4539J</b>	\$150.78
TD 520	<b>2221</b>	\$91.41	HTC 1040	<b>4540</b>	\$139.15
TD 522	<b>2223</b>	\$91.41	HTC 1050	<b>4545</b>	\$142.30
TD 525	<b>2224</b>	\$92.38	HTC 1055	<b>4550</b>	\$130.10
TMS 250	<b>2850</b>	\$87.11	HTC 1060	<b>4555</b>	\$147.26
TMS 250A	<b>2860</b>	\$87.63	HTC 11100	<b>4600</b>	\$255.69
TMS 250B	<b>2870</b>	\$87.63	<b>LORAIN</b>	<b>[ LORN ]</b>	
TMS 250C	<b>2875</b>	\$123.79	<u>Model</u>	<u>Code</u>	<u>Rate</u>
TMS 300	<b>2922</b>	\$104.40	MCH 140	<b>4942</b>	\$98.55
TMS 300B	<b>2923</b>	\$122.72	MCH 150	<b>4946</b>	\$90.79
TMS 760	<b>3180</b>	\$188.79	MCH 180	<b>4947</b>	\$90.79
TMS 865	<b>3378</b>	\$140.73	MCH 300	<b>4953</b>	\$107.65
TM 875	<b>3380</b>	\$165.30	MCH 350	<b>4955</b>	\$88.51
TMS 875	<b>3385</b>	\$166.17	MCH 400	<b>4957</b>	\$118.27
TM 890	<b>3387</b>	\$188.94	MCH 500	<b>4960</b>	\$98.32
TM 1075	<b>3390</b>	\$150.73	<b>MANITEX</b>	<b>[ MANX ]</b>	
<b>HIAB</b>	<b>[ HIAB ]</b>		<u>Model</u>	<u>Code</u>	<u>Rate</u>
<u>Model</u>	<u>Code</u>	<u>Rate</u>	1161	<b>4980</b>	\$35.19
100 AW	<b>3850</b>	\$31.80	1770	<b>4985</b>	\$62.13
1165	<b>3852</b>	\$28.91	2284	<b>4990</b>	\$65.06
170 thru 174	<b>3854</b>	\$27.29	2592	<b>4995</b>	\$67.12
175 thru 177	<b>3855</b>	\$27.45	<b>NATIONAL</b>	<b>[ NATL ]</b>	
550, 5501	<b>3857</b>	\$30.00	<u>Model</u>	<u>Code</u>	<u>Rate</u>
650	<b>3859</b>	\$31.02	Ser 4/400, 11.3 m (37') boom	<b>4983</b>	\$31.90
<b>KOEHRING</b>	<b>[ KOEH ]</b>		Ser 4/400, 14.0 m (46') boom	<b>4984</b>	\$32.12
<u>Model</u>	<u>Code</u>	<u>Rate</u>	Ser 4/400, 16.8 m (55') boom	<b>4985</b>	\$32.30
4460 Teleskoop	<b>4400</b>	\$61.09	Ser 5/500A/B, 14.3 m (47') boom	<b>4986</b>	\$37.03
4465 Teleskoop	<b>4405</b>	\$62.39	Ser 5/500A/B, 17.1 m (56') boom	<b>4987</b>	\$37.67
4470 Teleskoop	<b>4410</b>	\$73.01	Ser 6/600, 14.3 m (47') boom	<b>4989</b>	\$36.64
4475 Teleskoop	<b>4415</b>	\$74.29	Ser 6/600, 17.1 m (56') boom	<b>4990</b>	\$37.02
<b>LINK-BELT</b>	<b>[ L-B ]</b>		856	<b>4995</b>	\$37.57
<u>Model</u>	<u>Code</u>	<u>Rate</u>	856B	<b>4996</b>	\$36.71
HTC 14	<b>4505</b>	\$84.59	875	<b>4997</b>	\$38.37
HTC 25	<b>4507</b>	\$84.59	875B	<b>4998</b>	\$39.91
HTC 35	<b>4509</b>	\$94.99	Series 85	<b>4999</b>	\$33.26
HTC 50	<b>4510</b>	\$124.08	<b>P&amp;H</b>	<b>[ P&amp;H ]</b>	
HTC 50W	<b>4520</b>	\$118.80	<u>Model</u>	<u>Code</u>	<u>Rate</u>
HTC 814	<b>4530</b>	\$113.93	ALPHA 100 ton	<b>5000</b>	\$243.13
HTC 814XL	<b>4531</b>	\$119.27	CN T-280	<b>5005</b>	\$123.83
HTC 822 S	<b>4532</b>	\$104.38	T-150	<b>5290</b>	\$87.67
HTC 825	<b>4535</b>	\$96.03	T-180	<b>5380</b>	\$88.14
HTC 825 S	<b>4536</b>	\$105.52	T-200	<b>5470</b>	\$88.70
HTC 830	<b>4537</b>	\$116.00	T-250	<b>5560</b>	\$104.11
HTC 835	<b>4539</b>	\$122.32	CN T-250	<b>5561</b>	\$126.35
HTC 835XL	<b>4539C</b>	\$138.68	OMEGA T-250	<b>5570</b>	\$100.74
HTC 840	<b>4539E</b>	\$142.35	OMEGA T-300	<b>5580</b>	\$104.28
HTC 850	<b>4539G</b>	\$147.82	OMEGA T-350	<b>5585</b>	\$105.58

T-300A	5665	\$99.14
OMEGA T-400	5666M	\$125.86
OMEGA T-450	5669	\$127.69
T-600 XL	5670	\$142.65
OMEGA T-500	5680	\$127.68
OMEGA T-650	5745	\$168.89
T-750	5780	\$123.61

**PITMAN [ PIT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Hydralift HL 40 thru 95	6670	\$27.70
Hydralift HL 100 thru 170	6675	\$30.87
HL 857	6685	\$36.25
HL 1200, 1545-T2 or 1580	6695	\$38.73
POLECAT	6697	\$41.47
PELICAN	6699	\$44.55

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TC-40	6860	\$28.73
TC-50	6862	\$30.39
TC-70	6864	\$31.84
TC-80	6866	\$32.00
TC-85	6868	\$31.47
TC-110	6870	\$35.48
TC-120	6872	\$36.01
TC-125	6874	\$35.72
TC-145	6876	\$38.90
TC-150	6878	\$37.14

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

**DELAY FACTOR = 0.14 OVERTIME FACTOR = 0.88**

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

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
H-3 series two	1000	\$35.84
H-5 series two	1300	\$43.17

**GALION [ GALN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
125 P	1970	\$42.13
150 P	1980	\$51.18

**GROVE [ GROV ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TM 100C	2020	\$58.82
TM 200C	2040	\$51.33

**HYDRAULIC PERSONNEL LIFTS & [ HYLFT ]  
AERIAL WORK PLATFORMS**

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

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

**BOOM TYPE [ BOOM ]**

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	7.6 (25)	00-24	\$12.34
7.6 (25)	15.2 (50)	25-49	\$29.23
15.2 (50)	22.9 (75)	50-74	\$41.07

**SCISSOR TYPE [ SCIS ]**

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	6.1 (20)	00-20	\$13.42
6.4 (21)	9.1 (30)	21-30	\$16.18
9.4 (31)	15.2 (50)	31-50	\$24.08

**LOADERS, CRAWLER [ LDRCL ]**

**DELAY FACTOR = 0.16 OVERTIME FACTOR = 0.86**

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

**CASE [ CASE ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
350B	2370	\$29.17
450B	2610	\$27.51
455B	2620	\$29.37
455C	2620A	\$32.25
1155D	3555	\$56.03
1155E	3556	\$60.44
1450	3560	\$60.56
1450B	3565	\$67.74
1455B	3568	\$68.64

**CATERPILLAR [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
931B	3735	\$30.32
931C	3735C	\$32.46
931 LGP	3740	\$28.43
931B LGP	3745	\$31.48
935B	3845	\$36.37
935C	3845C	\$38.83
939C	3900	\$51.03
943	4130	\$48.89
943 LGP	4135	\$45.53
951C 86J 1992 serial	4200	\$40.44
951C 86J 2598 serial	4210	\$46.25
951C LGP 86J 2598 ser	4215	\$47.13
953	4220	\$65.70
953 LGP	4230	\$60.44

955L 85J 6247 serial	<b>4675</b>	\$57.81	D 57S-1	<b>8000</b>	\$76.53
955L 85J 13X10129 ser	<b>4680</b>	\$64.24	D 65S-6	<b>8017</b>	\$70.69
955L LGP 85J 13X10129	<b>4685</b>	\$64.60	D 66S-1	<b>8020</b>	\$106.14
963	<b>4690</b>	\$90.96	D 75S-2	<b>8056</b>	\$76.28
963 LGP	<b>4693</b>	\$80.83	D 75S-3	<b>8060</b>	\$97.66
973	<b>4695</b>	\$136.33	D 75S-5	<b>8061</b>	\$141.46
973 LGP	<b>4698</b>	\$113.93	D 155S-1	<b>8080</b>	\$195.84
977K	<b>5014</b>	\$65.11			
977K 11K serial	<b>5092</b>	\$69.44			
977L 11K 3919 serial	<b>5170</b>	\$81.75			
977L 11K 5083 serial	<b>5180</b>	\$91.63			
977L 14X serial	<b>5185</b>	\$96.62			
977L LGP	<b>5190</b>	\$96.26			
983	<b>5248</b>	\$129.21			
983B	<b>5265</b>	\$142.01			

<b>LOADERS, RUBBER TIRE</b> [ LDRRT ]
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**DELAY FACTOR = 0.16**                      **OVERTIME FACTOR = 0.85**  
Includes all attachments and accessories. Clam-action buckets, 4WD and backhoes are excluded unless otherwise noted.

**JOHN DEERE** [ DEER ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD 350C	<b>5420</b>	\$30.68
JD 450C (4 speed PS)	<b>5805</b>	\$31.33
JD 455D	<b>5807</b>	\$33.12
JD 455E	<b>5809</b>	\$33.33
JD 455G	<b>5809A</b>	\$39.27
JD 555	<b>5810</b>	\$35.56
JD 555A	<b>5812</b>	\$39.43
JD 555B	<b>5814</b>	\$38.62
JD 555G	<b>5814A</b>	\$50.37
JD 655	<b>5815</b>	\$56.71
JD 655B	<b>5817</b>	\$66.26
JD 755	<b>5820</b>	\$52.56
JD 755A	<b>5822</b>	\$66.38
JD 755B	<b>5824</b>	\$76.27
JD 855	<b>5830</b>	\$100.05

**DRESSER** [ DRES ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
100E (PS)	<b>9000</b>	\$32.73
100G	<b>9005</b>	\$38.53
125E (PS)	<b>9010</b>	\$40.63
125G	<b>9015</b>	\$47.18
175C (PS)	<b>9020</b>	\$80.24
200	<b>9025</b>	\$95.63
250C (PS)	<b>9030</b>	\$94.62
250E (PS)	<b>9035</b>	\$109.57

**KOMATSU** [ KOMA ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
D 53S-16	<b>7878</b>	\$53.52
D 53S-17	<b>7878A</b>	\$66.90
D 55S-2	<b>7900</b>	\$53.21
D 55S-3	<b>7978</b>	\$53.21

**ALLIS-CHALMERS**

[ A-C ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
710C	<b>0747</b>	\$28.84
714B	<b>0750</b>	\$27.87
714C w/ backhoe	<b>0752</b>	\$30.56
715B w/ backhoe	<b>0765</b>	\$29.91
715C w/ backhoe	<b>0767</b>	\$30.83

**CASE**

[ CASE ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
W-11	<b>1365</b>	\$27.84
W-11B	<b>1368</b>	\$33.63
W-18	<b>1444</b>	\$45.48
W-18 9213140 serial	<b>1450</b>	\$49.29
W-18B	<b>1460</b>	\$53.38
W-20	<b>1472</b>	\$49.42
W-20B	<b>1480</b>	\$50.25
W-20C	<b>1482</b>	\$54.22
W-30	<b>1565</b>	\$73.98
480B	<b>1636</b>	\$22.25
480B w/ backhoe	<b>1640</b>	\$23.62
480C	<b>1650</b>	\$28.98
480C w/ backhoe	<b>1660</b>	\$30.64
480D	<b>1662</b>	\$32.74
480D w/ backhoe	<b>1664</b>	\$34.81
480E w/ backhoe	<b>1666</b>	\$28.65
480E LL	<b>1667</b>	\$27.36
480F w/ backhoe	<b>1668</b>	\$30.04
480F LL	<b>1669</b>	\$28.17
480LL	<b>1677</b>	\$32.80
570L XT 4WD	<b>1690</b>	\$32.70
580B w/ backhoe	<b>1705</b>	\$29.59
580C	<b>1710</b>	\$23.86
580C w/ backhoe	<b>1715</b>	\$25.88
580D	<b>1717</b>	\$25.30
580D w/ backhoe	<b>1720</b>	\$27.95
580 Super D	<b>1725</b>	\$27.62
580 Super D w/ backhoe	<b>1727</b>	\$30.33



580 Super E	1731	\$28.20	930 41K serial	2088	\$50.09
580 Super E w/ backhoe	1735	\$31.11	936	2100	\$63.84
580K w/ backhoe	1739	\$31.42	936E	2110	\$69.81
580K 4WD w/ backhoe	1740	\$32.57	936F	2120	\$72.59
580 Super K w/ backhoe	1742	\$34.68	938F	2130	\$74.53
580L w/ backhoe	1743	\$34.96	938G	2130G	\$83.98
580 Super L 4WD w/ backhoe	1744	\$40.80	950 90A serial	2228	\$51.34
590 Turbo w/ backhoe	1745	\$42.32	950 31K & 81J serial	2270	\$64.51
590 Super L 4WD w/ backhoe	1746	\$44.91	950B	2272	\$80.03
621	1750	\$57.12	950E	2300	\$85.78
721	1752	\$69.52	950F	2301	\$90.19
821	1754	\$85.21	950F Series II	2303	\$94.21
680E w/ backhoe	1840	\$39.75	950G	2310	\$101.48
680G w/ backhoe	1850	\$38.43	962G	2320G	\$110.61
680H w/ backhoe	1852	\$41.49	966C	2340	\$97.07
680K w/ backhoe	1854	\$44.91	966D	2350	\$105.45
680L w/ backhoe	1856	\$45.69	966E	2360	\$117.08
680L 4WD w/ backhoe	1857	\$46.55	966F	2361	\$119.83
780 w/ backhoe	1864	\$50.31	966G	2362	\$136.16
780B w/ backhoe	1866	\$54.61	970F	2370	\$141.86
780C w/ backhoe	1867	\$55.73	972G	2372G	\$151.45
780D w/ backhoe	1868	\$56.56	980B	2376	\$117.25
780D 4WD w/ backhoe	1869	\$58.04	980C	2378	\$149.93

**CATERPILLAR**

[ CAT ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>			
416 w/ backhoe	1860	\$31.53	980F	2381	\$155.06
416 Series II w/ backhoe	1860A	\$31.79	980G	2382	\$171.34
416B 4WD w/ extend-a-hoe	1861A	\$39.50	988 87A6868 serial	2398	\$142.39
416C 4WD w/ backhoe	1861C	\$41.15	988B 50W serial	2436	\$216.70
416D w/ backhoe	1861D	\$35.91	992B 25K serial	2460	\$257.57
416D 4WD w/ backhoe	1861D4	\$37.08	992C	2470	\$417.48
420D w/ backhoe	1861M	\$40.15	IT 12	2472	\$34.60
420D 4WD w/ backhoe	1861M4	\$41.31	IT 12B	2472B	\$40.42
426 w/ backhoe	1862	\$35.65	IT 14F	2473	\$47.12
426 Series II w/ backhoe	1862A	\$35.91	IT 18	2474	\$43.93
426C w/ backhoe	1862C	\$45.01	IT 18B	2475	\$49.86
426C 4WD w/ backhoe	1862C4	\$46.52	IT 28	2476	\$52.86
428 w/ backhoe	1864	\$35.62	IT 28B	2477	\$57.93
428 Series II w/ backhoe	1864A	\$35.89	IT 28F	2477G	\$67.46
436 w/ backhoe	1866	\$38.74	IT 28G	2478	\$70.88
436 Series II w/ backhoe	1866A	\$38.96	IT 38G	2480	\$81.47
446 w/ backhoe	1868	\$50.82	IT 62G	2482	\$111.98
446B w/ backhoe	1868B	\$56.60			

**CLARK**

[ CLRK ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>			
446B w/ backhoe	1868B	\$56.60	CLARK		
910	1870	\$33.77	<u>Model</u>	<u>Code</u>	<u>Rate</u>
910E	1870E	\$39.99	35C	2484	\$41.51
916	1885	\$45.29	45C	2486	\$48.56
920	1894	\$41.11	55C	2488	\$58.44
926	2065	\$52.35	75C	2491	\$76.85
926E	2067	\$57.16	125B	2492	\$97.34
928G	2070G	\$69.37	275B	2496	\$169.62
			275C	2497	\$189.73

<b>JOHN DEERE</b>	<b>[ DEER ]</b>		JD-844		2725	\$127.50
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<b>DRESSER</b>		<b>[ DRES ]</b>	
			<u>Model</u>		<u>Code</u>	<u>Rate</u>
JD-210C	2485	\$25.79	510B		2310	\$39.14
JD-210C w/ backhoe	2490	\$26.24	510C		2310C	\$52.83
JD-210LE	2495	\$34.30	515B		3517	\$50.70
JD-310A w/ backhoe	2504	\$27.46	515C		3517C	\$62.74
JD-310B w/ backhoe	2506	\$28.19	520B		3519	\$58.81
JD-310C w/ backhoe	2507	\$30.92	520C		3519C	\$74.91
JD-310D w/ backhoe	2507D	\$35.27	530		3520	\$82.83
JD-310E w/ backhoe	2507E	\$36.17	530C		3520C	\$92.30
JD-310SE w/ backhoe	2507F	\$40.43	540		3530	\$116.84
310G	2507G	\$37.08	550		3540	\$116.26
JD-315SE w/ backhoe	2507H	\$41.11				
JD-410 w/ backhoe	2508	\$30.21	<b>FIAT-ALLIS</b>		<b>[ F-A ]</b>	
JD-410B w/ backhoe	2509	\$30.95	<u>Model</u>		<u>Code</u>	<u>Rate</u>
JD-410C w/ backhoe	2509F	\$36.07	545B		3042	\$47.49
JD-410D w/ backhoe	2509G	\$43.53	745C		3046	\$92.90
JD-410E w/ backhoe	2509H	\$45.57	FR 10		3049H	\$50.56
410G	2509J	\$46.55	FR 10B		3049I	\$55.62
JD-444	2510	\$39.82	FR 20		3050	\$106.95
JD-444C	2515	\$41.97	FR 30		3051	\$140.64
JD-444D	2520	\$42.93	FR 20B		3051B	\$120.31
JD-444E	2521	\$47.00	FR 35		3052	\$189.01
JD-500C w/ backhoe	2592	\$39.29				
JD-510 w/ backhoe	2620	\$35.60	<b>FORD</b>		<b>[ FORD ]</b>	
JD-510B w/ backhoe	2625	\$35.29	<u>Model</u>		<u>Code</u>	<u>Rate</u>
JD-510C w/ backhoe	2630	\$41.30	545C		3054	\$27.88
JD-510D w/ backhoe	2630D	\$49.68	650 w/ backhoe		3056	\$30.37
JD-544B	2660	\$49.40	655A w/ backhoe		3056F	\$35.03
JD-544C	2670	\$51.14	655C w/ backhoe		3056G	\$38.99
JD-544D	2672	\$49.97	750 w/ backhoe		3057	\$40.28
JD-544E	2673	\$55.45	755 w/ backhoe		3061	\$43.74
JD-544G	2673B	\$62.07	755B w/ backhoe		3063	\$49.94
JD-610B w/ backhoe	2690	\$40.35	755A w/ backhoe		3065	\$48.42
JD-610C w/ backhoe	2691	\$45.49	A-62		3114	\$42.64
JD-624E	2700	\$66.76	A-64		3116	\$51.72
JD-624G	2700G	\$76.68	A-66		3118	\$67.85
JD-624H	2700H	\$83.76				
JD-644B	2710	\$68.32	<b>FURUKAWA</b>		<b>[ FURU ]</b>	
JD-644C	2715	\$71.48	<u>Model</u>		<u>Code</u>	<u>Rate</u>
JD-644D	2717	\$73.15	FL 320A		3120M	\$94.91
JD-644E	2719	\$80.19	FL 330		3120S	\$103.61
JD-644G	2719B	\$92.82				
JD-644H	2719H	\$99.64	<b>HOUGH</b>		<b>[ HOUG ]</b>	
JD-710B w/ backhoe	2720	\$51.28	<u>Model</u>		<u>Code</u>	<u>Rate</u>
JD-710C w/ backhoe	2721	\$57.20	H65C		3578	\$64.74
JD-710D w/ backhoe	2722	\$63.70	H-90E		3884	\$114.44
JD-710D 4WD w/ backhoe	2722D	\$65.80	H-100C		3954	\$133.26
710G	2722G	\$67.22				
JD-744H	2723	\$136.34				

<b>INTERNATIONAL</b>	[ <b>INTL</b> ]		WB 150-2 4WD	<b>4710</b>	\$51.77
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<b>MASSEY FERGUSON</b>	[ <b>M-F</b> ]	
260A	<b>2260</b>	\$29.31	<u>Model</u>	<u>Code</u>	<u>Rate</u>
260A w/ backhoe	<b>2270</b>	\$31.10	MF 44C	<b>5143</b>	\$50.66
270A w/ backhoe	<b>2280</b>	\$34.28	MF 50H Series S	<b>5150</b>	\$29.96
280A w/ backhoe	<b>2285</b>	\$42.72	MF 50H Series S, 4WD	<b>5152</b>	\$30.70
<b>J C B</b>	[ <b>JCB</b> ]		MF 50HX Series S	<b>5154</b>	\$32.22
<u>Model</u>	<u>Code</u>	<u>Rate</u>	MF 50HX Series S, 4WD	<b>5156</b>	\$33.16
214S w/ backhoe	<b>4430</b>	\$42.19	MF 55C	<b>5170</b>	\$65.17
215S w/ backhoe	<b>4435</b>	\$46.53	MF 60 w/ backhoe	<b>5171</b>	\$32.21
217S w/ backhoe	<b>4440</b>	\$50.11	MF 60H Series S w/ hoe	<b>5172</b>	\$34.66
3C 1550 2WD w/ hoe	<b>4448</b>	\$29.95	MF 66C	<b>5174</b>	\$83.76
3D 1700 4WD w/ hoe	<b>4450</b>	\$40.37	MF 80 w/ backhoe	<b>5182</b>	\$45.51
1400B w/ backhoe	<b>4455</b>	\$33.96	MF 88	<b>5184</b>	\$132.96
1550B w/ backhoe	<b>4457</b>	\$38.90	640	<b>6000</b>	\$30.32
1600B w/ backhoe	<b>4458</b>	\$44.90	650	<b>6010</b>	\$32.46
1700B w/ backhoe	<b>4459</b>	\$46.06	<b>NEW HOLLAND</b>	[ <b>NHND</b> ]	
<b>KAWASAKI</b>	[ <b>KAWA</b> ]		<u>Model</u>	<u>Code</u>	<u>Rate</u>
<u>Model</u>	<u>Code</u>	<u>Rate</u>	545D	<b>0100</b>	\$29.23
60Z IV	<b>4300</b>	\$59.05	575E w/ backhoe	<b>0110</b>	\$41.64
65Z IV	<b>4310</b>	\$66.10	655D w/ backhoe	<b>0120</b>	\$37.66
KSS 80Z II	<b>4330</b>	\$83.43	655E w/ backhoe	<b>0130</b>	\$45.16
80Z III	<b>4335</b>	\$98.88	675D 4WD w/ backhoe	<b>0140</b>	\$43.57
80Z IV	<b>4340</b>	\$101.14	675E 4WD w/ backhoe	<b>0150</b>	\$51.74
85Z IV	<b>4345</b>	\$126.36	<b>TEREX</b>	[ <b>TERX</b> ]	
90Z III	<b>4350</b>	\$139.39	<u>Model</u>	<u>Code</u>	<u>Rate</u>
90Z IV	<b>4355</b>	\$143.84	70C	<b>7938</b>	\$120.89
95Z IV-2	<b>4360</b>	\$186.27	72-61	<b>8036</b>	\$147.90
<b>KOMATSU</b>	[ <b>KOMA</b> ]		72-71B	<b>8055</b>	\$194.58
<u>Model</u>	<u>Code</u>	<u>Rate</u>	72-81	<b>8080</b>	\$233.40
W 120-3	<b>4520</b>	\$96.58	<b>VOLVO-MICHIGAN-EUCLID</b>	[ <b>VME</b> ]	
W 180-1	<b>4525</b>	\$137.33	<u>Model</u>	<u>Code</u>	<u>Rate</u>
WA 200-1	<b>4536</b>	\$55.21	175B	<b>6186</b>	\$118.56
WA 250-1	<b>4537</b>	\$76.16	175C	<b>6186C</b>	\$140.83
WA 300-1	<b>4538</b>	\$71.78	275B	<b>6330</b>	\$151.75
WA 320-1	<b>4539</b>	\$89.47	275C	<b>6330C</b>	\$189.73
WA 350-1	<b>4540</b>	\$85.55	L-70C	<b>9570C</b>	\$63.98
WA 380-1	<b>4541</b>	\$106.83	L-90	<b>9575</b>	\$76.83
WA 380-3	<b>4541C</b>	\$107.77	L-120	<b>9595</b>	\$99.49
WA 400-1	<b>4542</b>	\$101.65	L-120C	<b>9595C</b>	\$102.58
WA 420-3	<b>4543C</b>	\$124.19	L-150C	<b>9598C</b>	\$128.45
WA 450-1	<b>4544</b>	\$127.34	L-160	<b>9600</b>	\$134.18
WA 450-2	<b>4544B</b>	\$143.94	L-180C	<b>9602C</b>	\$145.34
WA 450-3	<b>4544C</b>	\$147.25	L-190	<b>9605</b>	\$156.29
WA 470-1	<b>4545</b>	\$139.95			
WA 500-1	<b>4546</b>	\$172.39			
WA 600-1	<b>4550</b>	\$253.55			
WB 140-2 4WD	<b>4700</b>	\$44.79			

**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)	<b>0100</b>	\$16.45
16.8 (55)	32.0 (105)	(w/o spotter)	<b>0200</b>	\$21.01
over	32.0 (105)	(w/o spotter)	<b>0300</b>	\$26.35
0	16.8 (55)	(w/ spotter)	<b>1100</b>	\$27.77
16.8 (55)	32.0 (105)	(w/ spotter)	<b>1200</b>	\$33.19
over	32.0 (105)	(w/ spotter)	<b>1300</b>	\$39.39

**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)	<b>0400</b>	\$10.91
16.8 (55)	32.0 (105)	(w/o spotter)	<b>0500</b>	\$15.23
over	32.0 (105)	(w/o spotter)	<b>0600</b>	\$20.56
0	16.8 (55)	(w/ spotter)	<b>1400</b>	\$22.23
16.8 (55)	32.0 (105)	(w/ spotter)	<b>1500</b>	\$27.40
over	32.0 (105)	(w/ spotter)	<b>1600</b>	\$33.60

**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 TRAFIC in this publication. Other non-operated items with short estimated lives should be treated as materials and should not be "rented". Non rented items are 1) intended to be job specific (amortized over the life of the project) and 2) have an estimated life measured by number of uses rather than a length of time.

**MISCELLANEOUS**

[ MISC ]

Model	Code	Rate
Casing, 450 mm dia, per 0.3 m (Casing, 18" dia, per lf)	<b>0120</b>	\$0.03
Casing, 650 mm dia, per 0.3 m (Casing, 26" dia, per lf)	<b>0130</b>	\$0.05
Casing, 900 mm dia, per 0.3 m (Casing, 36" dia, per lf)	<b>0140</b>	\$0.07
Casing, 1800 mm dia, per 0.3 m (Casing, 72" dia, per lf)	<b>0150</b>	\$0.17
Casing, 2400 mm dia, per 0.3 m (Casing, 96" dia, per lf)	<b>0160</b>	\$0.21
Casing, 2700 mm dia, per 0.3 m (Casing, 108" dia, per lf)	<b>0170</b>	\$0.24
Casing, 3000 mm dia, per 0.3 m (Casing, 120" dia, per lf)	<b>0180</b>	\$0.32

Pile, all depths "H" pile, per 45.0 kg (Pile, all depths "H" pile, per hundred-weight)	<b>0190</b>	\$0.03
Pipe, 250-300 mm dia, per 0.3 m (Pipe, 10-12" dia, per lf)	<b>0200</b>	\$0.02
Plate, 22 mm thick, per 9.3 sm (Plate, 7/8" thick, per 100 sf)	<b>0210</b>	\$1.01
Plate, 25 mm thick, per 9.3 sm (Plate, 1" thick, per 100 sf)	<b>0220</b>	\$1.16
Plate, 38 mm thick, per 9.3 sm (Plate, 1.5" thick, per 100 sf)	<b>0230</b>	\$1.73

**SCAFFOLDING, SHORING,**

[ SSWF ]

**FALSEWORK**

Model	Code	Rate
Metal form, 1.8 m x3.0 m, per 14.6 m (Metal form, 6x10 box culvert, per 48 lf)	<b>0310</b>	\$35.47
Metal form, 2.4 m x3.7 m, per 15.2 m (Metal form, 8x12 box culvert, per 50 lf)	<b>0320</b>	\$39.30
Metal form, 2.1 m x4.3 m, per 15.2 m (Metal form, 7x14 box culvert, per 50 lf)	<b>0330</b>	\$43.18
Metal form, type 25 barrier, per 3.0 m (Metal form, type 25 barrier, per 10 lf)	<b>0340</b>	\$2.17
Metal form, type 26 barrier, per 3.0 m (Metal form, type 26 barrier, per 10 lf)	<b>0350</b>	\$2.30
Metal form, type 27 barrier, per 3.0 m (Metal form, type 27 barrier, per 10 lf)	<b>0360</b>	\$1.98
Metal form, type 50 barrier, per 3.0 m (Metal form, type 50 barrier, per 10 lf)	<b>0370</b>	\$2.14
Metal form, 1.8 m x 3.7 m girder panel, per 0.1 sm ( 6x12 girder panel, per sf)	<b>0380</b>	\$0.18
Metal form, all heights paving, per 3.0 m (Metal form, all heights paving, per 10 lf)	<b>0390</b>	\$0.04
Scaffolding, 1.5 m section, per section (Scaffolding, 5' section, per section)	<b>0410</b>	\$0.45
Scaffolding, 3.0 m section, per section (Scaffolding, 10' section, per section)	<b>0420</b>	\$1.01
Scaffolding, 4.6 m section, per section (Scaffolding, 15' section, per section)	<b>0430</b>	\$1.33
Scaffolding, bottom/top section, per 1.5 m section (per 5 ft section)	<b>0440</b>	\$0.63
Scaffolding, 2.1 m high, rolling (Scaffolding, 7' high, rolling)	<b>0450</b>	\$0.94
Scaffolding, spider staging, plus air compressor	<b>0460</b>	\$19.64
Shoring, 1.1 m deep x 2235 mm wide, per section (Shoring, 3.5' deep x 88" wide trench, per section)	<b>0510</b>	\$1.02
Shoring, 1.2 m deep x 3.7 m wide box, per 7.3 m (Shoring, 4' deepx12' wide trench box, per 24')	<b>0515</b>	\$9.60
Shoring, 1.5 m deep x 2235 mm wide, per section (Shoring, 5' deep x 88" wide trench, per section)	<b>0520</b>	\$1.07
Shoring, 2.1 m deep x 1397 mm wide, per section (Shoring, 7' deep x 55" wide trench, per section)	<b>0530</b>	\$0.94
Shoring, 2.1 m deep x 2235 mm wide, per section (Shoring, 7' deepx88" wide trench, per section)	<b>0540</b>	\$1.13

Shoring, 2.4 m deep x 4.6 m wide, per 3.0 m (Shoring, 8' deepx15' wide trench box, per 10')	<b>0550</b>	\$7.97
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' )	<b>0560</b>	\$15.61
Shoring, 3.0 m deep x 2.4 m max box, per 4.9 m (Shoring, 10' deepx8' max trench box, per 16')	<b>0570</b>	\$14.03
Shoring, 3.0 m deep x 2.4 m max box, per 7.3 m (Shoring, 10' deepx8' max trench box, per 24')	<b>0580</b>	\$19.47
Wood, 50 mm x255 mm, per 30.5 m (Wood, 2"x10", per 100 lf)	<b>0605</b>	\$0.13
Wood, 50 mm x305 mm, per 30.5 m (Wood, 2"x12", per 100 lf)	<b>0610</b>	\$0.16
Wood, 100mm x100mm, per 30.5 m (Wood, 4"x4", per 100 lf)	<b>0615</b>	\$0.11
Wood, 100 mm x150 mm, per 30.5 m (Wood, 4"x6", per 100 lf)	<b>0620</b>	\$0.16
Wood, 100 mm x205 mm, per 30.5 m (Wood, 4"x8", per 100 lf)	<b>0625</b>	\$0.22
Wood, 100 mm x305 mm, per 30.5 m (Wood, 4"x12", per 100 lf)	<b>0630</b>	\$0.33
Wood, 150 mm x305 mm, per 30.5 m (Wood, 6"x12", per 100 lf)	<b>0635</b>	\$0.55
Wood, 150 mm x455 mm, per 30.5 m (Wood, 6"x18", per 100 lf)	<b>0640</b>	\$0.89
Wood, 205 mm x405 mm, per 30.5 m (Wood, 8"x16", per 100 lf)	<b>0645</b>	\$1.10
Wood, 305 mm x455 mm, per 30.5 m (Wood, 8"x18", per 100 lf)	<b>0650</b>	\$1.24
Wood, 305 mm x305 mm, per 30.5 m (Wood, 12"x12", per 100 lf)	<b>0655</b>	\$1.07
Wood form, type 27 barrier, per 2.4 m (Wood form, type 27 barrier, per 8 lf)	<b>0660</b>	\$0.23
Wide flange beam, all depths, per 45 kg (Wide flange beam, all depths, per hundred wt.)	<b>0670</b>	\$0.03
<b>TANK</b>	<b>[ TANK ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
Tank, metal, 0-2270 liters (0-600 gallons)	<b>0710</b>	\$0.60
Tank, metal, 2270-4540 liters (600-1200 gal)	<b>0720</b>	\$0.82
Tank, metal, 4540-9840 liters (1200-2600 gal)	<b>0730</b>	\$2.04
Tank, metal, 22 710 liters (6000 gallons)	<b>0740</b>	\$4.09
Tank, metal, 28 390 liters (7500 gallons)	<b>0750</b>	\$5.14
Tank, metal, 30 280 liters ( 8000 gallons)	<b>0760</b>	\$5.44
Tank, metal, 37 850 liters (10000 gallons)	<b>0770</b>	\$6.03
<b>TRAFFIC SAFETY</b>	<b>[ TRAF ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
Crash cushion barrel, filled, each	<b>0810</b>	\$1.12
K-rail, temporary concrete barrier, per 6.1 m (20 lf)	<b>0820</b>	\$0.39

<b>PAVEMENT GRINDERS, DIAMOND</b>	<b>[ PGDIA ]</b>
<b>BLADES</b>	

**DELAY FACTOR = 0.11**                      **OVERTIME FACTOR = 0.90**

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.

<b>CONCUT</b>	<b>[ CCUT ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
BC-38 (136 blades)	<b>0500</b>	\$162.88
BC-244 (187 blades)	<b>0505</b>	\$203.35
BC-1268 (48 blades)	<b>0510</b>	\$64.72
<b>CUSHION CUT</b>	<b>[ CUCT ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
HG-130A (127 blades)	<b>0600</b>	\$161.09
PC-390(171 blades)	<b>0610</b>	\$248.21
<b>PENHALL</b>	<b>[ PENH ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
G-38 (172 blades)	<b>0800</b>	\$316.13
<b>TARGET</b>	<b>[ TARG ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
CG-65 (41 blades)	<b>0900</b>	\$102.02
PRM-3804 (170 blades)	<b>0905</b>	\$348.11

<b>PAVEMENT GRINDERS, TUNGSTEN-</b>	<b>[ PGT-C ]</b>
<b>CARBIDE BITS</b>	

**DELAY FACTOR = 0.16**                      **OVERTIME FACTOR = 0.87**

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.

<b>BARBER-GREENE</b>	<b>[ B-G ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
RX-20	<b>0100</b>	\$160.80
RX-30	<b>0105</b>	\$254.60
RX-40B	<b>0110</b>	\$292.01
RX-50	<b>0115</b>	\$343.27
RX-80B	<b>0120</b>	\$564.10
<b>CATERPILLAR</b>	<b>[ CAT ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
PM-800	<b>0200</b>	\$444.37
PR-105	<b>0201</b>	\$80.43
PR-275	<b>0205</b>	\$217.33
PR-450	<b>0210</b>	\$311.99
PR-750	<b>0215</b>	\$446.83
PR-750B	<b>0216</b>	\$472.56
PR-1000	<b>0220</b>	\$616.95

<u>Model</u>	<u>Code</u>	<u>Rate</u>
PR-275 RT	<b>0150</b>	\$205.31
PR-375	<b>0155</b>	\$257.64
PR-450	<b>0160</b>	\$296.16
PR-525	<b>0165</b>	\$313.43
PR-500FL	<b>0170</b>	\$348.69
PR-750	<b>0175</b>	\$429.60
PR-800-7	<b>0177</b>	\$471.66
PR-1000	<b>0180</b>	\$530.38

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MW-175	<b>0280</b>	\$89.72
MW-250	<b>0285</b>	\$97.79
MW-250C	<b>0286</b>	\$118.87
MT-6520 (crawler)	<b>0300</b>	\$289.87
MW-6520	<b>0305</b>	\$210.45
MW-6520HC	<b>0310</b>	\$264.80
MT-7000	<b>0315</b>	\$364.74

<u>Model</u>	<u>Code</u>	<u>Rate</u>
300VC	<b>0380</b>	\$35.62
1000VC	<b>0390</b>	\$137.72
1900DC	<b>0395</b>	\$312.39
2000VC	<b>0400</b>	\$301.75
2100VC	<b>0402</b>	\$391.32
2200VC	<b>0405</b>	\$500.96
3500VC	<b>0410</b>	\$513.32
4200VC	<b>0420</b>	\$531.30

**PUMPS, WATER HOSE [ PUMWA ]**

**DELAY FACTOR = 0.38      OVERTIME FACTOR = 0.66**

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

**A PUMP [ APMP ]**

Listed by Mfr's rated capacity measured in thousands of liters per minute (thousands of gallons per hour) at 3.0 meters (10 feet) of suction head.

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	0.6 (10)	<b>000-010</b>	\$2.77
0.6 (10)	1.3 (20)	<b>010-020</b>	\$4.27
1.3 (20)	1.9 (30)	<b>020-030</b>	\$5.02
1.9 (30)	3.2 (50)	<b>030-050</b>	\$18.36
3.2 (50)	7.9 (125)	<b>050-125</b>	\$21.74
7.9 (125)	15.8 (250)	<b>125-250</b>	\$25.67

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	60 (2.5)	<b>0-2.5</b>	\$0.06
60 (2.5)	80 (3)	<b>2.5-3.5</b>	\$0.10
80 (3)	100 (4)	<b>3.5-4</b>	\$0.14
100 (4)	150 (6)	<b>4-6</b>	\$0.23

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	60 (2.5)	<b>0-2.5</b>	\$0.04
60 (2.5)	90 (3.5)	<b>2.5-3.5</b>	\$0.08
90 (3.5)	100 (4)	<b>3.5-4</b>	\$0.12
100 (4)	150 (6)	<b>4-6</b>	\$0.16

**ROLLERS, TANDEM STEEL WHEELS [ ROL-2 ]**

**DELAY FACTOR = 0.14      OVERTIME FACTOR = 0.87**  
Includes all attachments and accessories.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW-4AS	<b>1150</b>	\$21.11
BW-6AS	<b>1155</b>	\$22.83
BW-10AS	<b>1160</b>	\$38.35
BW-12AS	<b>1165</b>	\$39.17

<u>Model</u>	<u>Code</u>	<u>Rate</u>
S3-5B	<b>2500</b>	\$27.21
S8-12A	<b>2520</b>	\$36.36
S10-14A	<b>2525</b>	\$37.18

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3-5 ton	<b>4048</b>	\$16.13
3-5A	<b>4048A</b>	\$17.47
4-6A	<b>4142A</b>	\$17.62
5-8 ton	<b>4236</b>	\$38.60
5-8A	<b>4240</b>	\$30.63
8-12 ton	<b>4424</b>	\$31.50
8-12B	<b>4424B</b>	\$34.35
8-12A	<b>4430</b>	\$31.68
10-14 ton	<b>4450</b>	\$32.45
10-14A	<b>4455</b>	\$32.23
10-14B	<b>4455B</b>	\$34.95

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4-6 ton roll-o-static	<b>4650</b>	\$25.13
S4-6A, S4-6B	<b>4670</b>	\$27.88

5-8 ton roll-o-static	<b>4800</b>	\$29.42
S5-8A	<b>4820</b>	\$32.82
8-10.5 ton roll-o-static	<b>4988</b>	\$30.11
S8-10.5A	<b>5000</b>	\$33.56
8-12 ton roll-o-static	<b>5176</b>	\$30.43
S8-12A	<b>5190</b>	\$34.25

**HYSTER [ HYST ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
C 330A 3-5 ton	<b>6520</b>	\$27.63
C 330B 3-5 ton (Hypac)	<b>6520B</b>	\$22.69
C 330A 4-6 ton	<b>6525</b>	\$29.06
C 330B 4-6 ton (Hypac)	<b>6526</b>	\$24.95
C 340A 5-8 ton	<b>6530</b>	\$32.99
C 340A 8-10 ton	<b>6540</b>	\$33.57
C 340B 5-8 ton	<b>6545</b>	\$30.90
C 340C 5-8 ton (Hypac)	<b>6546</b>	\$34.05
C 340B 8-10 ton	<b>6548</b>	\$31.66
C 340C 8-10 ton (Hypac)	<b>6549</b>	\$34.56
C 350B 8-12 ton	<b>6710</b>	\$34.51
C 350B 10-14 ton	<b>6740</b>	\$35.03
C 350C 8-12 ton	<b>6750</b>	\$33.01
C 350C 10-14 ton	<b>6755</b>	\$33.76
C 350D 8-12 ton	<b>6757</b>	\$34.55

**INGRAM [ INGM ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4-6 ton FB	<b>6900</b>	\$21.27
5-6.5 ton FB	<b>6965</b>	\$22.91
8-12 ton HB	<b>7175</b>	\$31.88
10-14 ton HB	<b>7275</b>	\$32.53

**REXNORD [ RXND ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3-5 ton	<b>8566</b>	\$19.64
4-6 ton	<b>8572</b>	\$20.24
5-8 ton	<b>8578</b>	\$43.73
7-10 ton	<b>8584</b>	\$43.93
8-12 ton	<b>8590</b>	\$44.30
10-14 ton	<b>8596</b>	\$44.65

**ROLLERS, RUBBER TIRE, SELF PROPELLED [ ROLRT ]**

**DELAY FACTOR = 0.20 OVERTIME FACTOR = 0.81**  
Includes all attachments and accessories.

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW 20R	<b>2624</b>	\$32.75

**CATERPILLAR [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
PS 110	<b>3460</b>	\$36.79

PS 130	<b>3465</b>	\$36.17
PS 180	<b>3470</b>	\$38.51
PS 200B	<b>3480</b>	\$48.30

**DYNAPAC [ DYPC ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
CP 15	<b>3500</b>	\$35.12
CP 21	<b>3510</b>	\$44.98
CP 27	<b>3520</b>	\$57.30

**GALION [ GALN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3500	<b>4310</b>	\$33.71
P 3000	<b>4315</b>	\$32.29
P 3500A	<b>4320</b>	\$35.12

**HYSTER [ HYST ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
C 530A	<b>5401</b>	\$35.58
C 550A	<b>5494</b>	\$39.19

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

**DELAY FACTOR = 0.14 OVERTIME FACTOR = 0.88**  
Includes all attachments and accessories.

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
K 300	<b>1630</b>	\$65.06
K 301	<b>1635</b>	\$75.53
K 401	<b>1638</b>	\$92.16

**CATERPILLAR [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
815	<b>2300</b>	\$79.87
815B	<b>2310</b>	\$123.47
815F	<b>2320</b>	\$135.37
825B	<b>2500</b>	\$132.14
825C	<b>2510</b>	\$183.00
835	<b>2700</b>	\$165.48

**RAYGO [ RAGO ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
30	<b>6490</b>	\$64.54
45	<b>6500</b>	\$99.23
RAM PAK 45	<b>6505</b>	\$107.15

**REXNORD [ RXND ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3-30	<b>7120</b>	\$78.41
3-35 PACTOR	<b>7127</b>	\$101.42
3-45 PACTOR	<b>7130</b>	\$127.49
3-50, 3-50A PACTOR	<b>7140</b>	\$136.93
3-55, 3-55B PACTOR	<b>7150</b>	\$173.04

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

**DELAY FACTOR = 0.47 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 ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
1220 mm x1220 mm (4'X4') & under	<b>4X4</b>	\$1.56
over 1220 mm (4') - not over 1520 mm (5')	<b>4X5</b>	\$1.77
over 1520 mm (5')	<b>5</b>	\$3.21

**DOUBLE DRUM UNIT [ DDRU ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
1220 mm x1220 mm (4'X4') & under, each	<b>4X4</b>	\$3.77
over 1220 mm (4') - not over 1520 mm (5'), each	<b>4X5</b>	\$11.41
over 1520 mm (5'), each	<b>5</b>	\$20.92

**ROLLERS, VIBRATORY, SELF [ ROVIB ]  
PROPELLED**

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

Includes all attachments and accessories.

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW 210	<b>2060</b>	\$51.20
BW 210A	<b>2070</b>	\$53.28
BW 213	<b>2080</b>	\$52.35
BW 214	<b>2090</b>	\$54.16

**BOMAG [ BMAG ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW 35	<b>0700</b>	\$6.21
BW 60, 60S	<b>0800</b>	\$9.15
BW 65, 65S	<b>0900</b>	\$6.48
BW 75, 75S	<b>1000</b>	\$10.22
BW 85T	<b>1200</b>	\$18.30
BW 90	<b>1300</b>	\$11.57
BW 100AD-3	<b>1325C</b>	\$29.19
BW 120AD	<b>1350</b>	\$29.31
BW 142PD	<b>1359</b>	\$35.83
BW 151AD	<b>1365</b>	\$51.82
BW 170AD, D	<b>1380</b>	\$43.97
BW 172AD, D	<b>1385</b>	\$44.89
BW 202AD	<b>1400</b>	\$70.81

**BROS [ BROS ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
VM 255	<b>2023</b>	\$45.04
VM 268, VM 268H	<b>2024</b>	\$55.65
VM 278	<b>2025</b>	\$82.23

**CASE [ CASE ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
50B	<b>2228</b>	\$6.32
W 251	<b>2400</b>	\$20.98
252, W 252	<b>2405</b>	\$26.36
752, W 752	<b>2450</b>	\$48.31
1102, W 1102	<b>2500</b>	\$61.97
1102D, W 1102D	<b>2505</b>	\$64.83
602D	<b>2510</b>	\$42.82
752B	<b>2520</b>	\$51.52

**CATERPILLAR [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
CB 214	<b>8025</b>	\$25.53
CB 214B	<b>8026</b>	\$26.82
CB 224	<b>8030</b>	\$26.69
CB 224B	<b>8031</b>	\$28.78
CB 224C	<b>8031C</b>	\$29.63
CB 314	<b>8035</b>	\$28.51
CP 323 padfoot drum	<b>8040</b>	\$47.55
CS 323 smooth drum	<b>8042</b>	\$45.76
CB 414	<b>8045</b>	\$46.16
CS 431	<b>8050</b>	\$42.20
CS 431B	<b>8051</b>	\$56.92
CP 433 padfoot drum	<b>8055</b>	\$48.97
CP 433B padfoot drum	<b>8056</b>	\$63.54
CS 433 smooth drum	<b>8060</b>	\$48.11
CS 433B smooth drum	<b>8061</b>	\$60.45
CB 434	<b>8062</b>	\$53.60
CB 514	<b>8065</b>	\$58.37
CB 534	<b>8067</b>	\$74.04
CB 534C	<b>8067C</b>	\$74.79
CS 551	<b>8070</b>	\$78.32
CP 553 padfoot drum	<b>8075</b>	\$83.38
CS 553 smooth drum	<b>8080</b>	\$79.65
CP 563 padfoot drum	<b>8082</b>	\$87.35
CS 563 smooth drum	<b>8083</b>	\$83.31
CS 563C	<b>8083C</b>	\$89.88
CB 614	<b>8085</b>	\$89.90
CB 634	<b>8095</b>	\$89.65
CB 634C	<b>8095C</b>	\$91.87

**DYNAPAC [ DYPC ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
LR 90	<b>2401</b>	\$12.44
A 36V, A 36D	<b>2405</b>	\$30.51
CA 12	<b>2409A</b>	\$38.75
CA 12D	<b>2409B</b>	\$34.57
CA 12PD	<b>2409E</b>	\$35.08
CA 12PDB strikeoff blade	<b>2409H</b>	\$33.83
CA 15	<b>2410</b>	\$52.78



CA 15A	2420	\$48.17	C 766B (Hypac/Hyster)	3572H	\$77.43
CA 15D	2421	\$56.42	C 850A	3572J	\$74.52
CA 20D	2422	\$47.38	C 850B (Hypac/Hyster)	3572K	\$89.88
CA 15PD	2425	\$49.09	C 852A	3572N	\$80.33
CA 25	2430	\$68.05	C 852B (Hypac/Hyster)	3572P	\$93.57
CA 25S	2440	\$65.97	C 860A	3572S	\$78.96
CA 25A, CA 25D	2450	\$71.22	C 860B (Hypac/Hyster)	3572T	\$87.97
CA 25PD	2455	\$74.02			
CA 25T	2460	\$59.26	<b>INGERSOLL-RAND</b>	<b>[ I-R ]</b>	
CA 30	2462	\$72.23	<u>Model</u>	<u>Code</u>	<u>Rate</u>
CA 30D	2464	\$76.96	DD 22	3565	\$34.00
CA 51S, CA 51D	2466	\$90.24	DD 23	3570	\$25.30
CA 55D	2468	\$93.26	DD 24	3572	\$33.73
CA 151PDB	2469	\$68.37	DA 30	3573	\$26.71
CC 10, CC 10 series II	2470	\$26.77	DD 35	3573C	\$28.26
CC 10A	2472	\$22.61	DA 40	3573E	\$49.24
CC 102	2472C	\$29.42	DA 41	3573G	\$51.71
CC 12	2472E	\$29.37	DD-34HF	3573HF	\$42.26
CC 14	2473	\$42.29	DA 48	3573M	\$67.61
CC 21	2474	\$45.42	DA 50	3574	\$69.27
CC 21 II	2474B	\$48.73	DD 65	3574A	\$55.88
CC 211	2474C	\$57.26	DF 84	3574B	\$112.10
CC 42 II Dynatronic	2475	\$72.02	DS 84	3574C	\$108.67
CC 42A	2476	\$70.90	DD 90	3574D	\$76.27
CC 50	2482	\$75.38	DD 110	3574F	\$84.14
CC 50A	2488	\$88.04	DD 130	3574H	\$110.82
CC 50PD	2488E	\$138.66	DD 145	3574J	\$94.29
CC 50S	2489	\$130.06	SPA 56	3810	\$54.16
DD 18	2498	\$10.35	SP 48	3880	\$51.02
300V	2499E	\$13.51	SP 48DD	3885	\$52.70
2100V	2499H	\$13.06	SPF 48	3890	\$55.13
			SPF 48B	3892	\$56.41
<b>ESSICK</b>	<b>[ ESIK ]</b>		SP 54	4000	\$50.94
<u>Model</u>	<u>Code</u>	<u>Rate</u>	SP 54DD	4005	\$53.05
VR 30RE	2700	\$8.17	SPA 54	4010	\$51.87
VR 42RE	2820	\$20.86	SPF 54	4020	\$56.90
V 30WR, V 30W2-R	2902	\$8.70	SP 56	4030	\$60.89
<b>HYSTER</b>	<b>[ HYST ]</b>		SP 56DD	4035	\$63.93
<u>Model</u>	<u>Code</u>	<u>Rate</u>	SP 56DH	4037	\$84.82
C 612B	3450	\$49.63	SPF 56	4040	\$65.82
C 610A	3500	\$35.01	SPF 56B	4050	\$68.88
C 610B	3540	\$47.77	SPF 56DH	4080	\$86.39
C 615B	3562	\$50.00	SPF 56DHB	4090	\$90.49
C 617B	3563	\$50.51	SP 60	4100	\$104.23
C 620B	3566	\$49.36	SP 84	4105	\$89.85
C 625B	3570	\$51.17	SP 60DD	4110	\$129.24
C 627B	3572	\$51.85	SPF 60	4120	\$134.17
C 727A	3572E	\$71.07	SPF 60B	4130	\$142.58
C 748A (Hypac/Hyster)	3572F	\$31.05	SPF 60C	4132	\$123.14
C 766A	3572G	\$64.57	SPF 84	4133	\$91.66
			SPF 84B	4134	\$96.35

SD 40D	<b>4138</b>	\$48.02	<b>RAMMAX</b>	<b>[ RAMX ]</b>	
SD 40F w/ blade	<b>4138FB</b>	\$49.63	<u>Model</u>	<u>Code</u>	<u>Rate</u>
SD 70	<b>4139</b>	\$54.43	P 33/24	<b>4605</b>	\$16.98
SD 100	<b>4140</b>	\$71.92	P 33/24 w/ remote	<b>4606</b>	\$16.24
SD 100D	<b>4140D</b>	\$85.86	P 51	<b>4625</b>	\$64.90
SD 100F	<b>4140F</b>	\$86.45	S 51	<b>4630</b>	\$32.14
SD 115D	<b>4141D</b>	\$104.03	P 47	<b>5290</b>	\$32.20
SD 150D	<b>4143D</b>	\$112.38	<b>SAKAI</b>	<b>[ SAKI ]</b>	
<b>KOEHRING-BOMAG</b>	<b>[ KOBO ]</b>		<u>Model</u>	<u>Code</u>	<u>Rate</u>
<u>Model</u>	<u>Code</u>	<u>Rate</u>	SV 70	<b>8025</b>	\$50.12
BW 120AC	<b>4168E</b>	\$28.94	SV 70D	<b>8026</b>	\$52.61
BW 120AD	<b>4169</b>	\$29.28	SV 91	<b>8050</b>	\$73.87
BW 121AD	<b>4193</b>	\$26.17	SV 91D	<b>8051</b>	\$75.95
BW 130AD	<b>4193E</b>	\$31.18	SV 200D	<b>8060</b>	\$38.70
BW 140AD	<b>4194</b>	\$48.68	<b>TAMPO</b>	<b>[ TAMP ]</b>	
BW 141AC	<b>4194B</b>	\$50.21	<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW 141AD	<b>4194E</b>	\$44.39	RP 16D (HD)	<b>5990</b>	\$47.85
BW 142D	<b>4194H</b>	\$34.59	RP 28D	<b>5995</b>	\$63.49
BW 172	<b>4212</b>	\$41.84	RP 48D	<b>6110</b>	\$79.35
BW 172D	<b>4212E</b>	\$44.65	RP 58D	<b>6115</b>	\$75.27
BW 213D	<b>4237</b>	\$69.61	RS 16 (HD)	<b>6170</b>	\$44.81
BW 214D	<b>4238</b>	\$85.99	RS16A (HD)	<b>6180</b>	\$46.88
BW 215D	<b>4240</b>	\$83.45	RS 16D (HD)	<b>6185</b>	\$47.40
BW 217D	<b>4242</b>	\$105.45	RS 28C	<b>6315</b>	\$59.15
BW 220D	<b>4250</b>	\$77.50	RS 28D	<b>6320</b>	\$60.44
<b>MIKASA</b>	<b>[ MIKA ]</b>		RS 58D	<b>6327</b>	\$73.73
<u>Model</u>	<u>Code</u>	<u>Rate</u>	RS 156A	<b>6340</b>	\$50.56
MDR 7DW	<b>4404</b>	\$7.25	RS 166A	<b>6350</b>	\$65.75
MDR 9G	<b>4405</b>	\$10.71	RS 188A	<b>6370</b>	\$82.44
MDR T38S	<b>4407</b>	\$7.39	RS 210	<b>6400</b>	\$65.04
MRV 10GA	<b>4409</b>	\$12.32	<b>WACKER</b>	<b>[ WACK ]</b>	
<b>RAYGO</b>	<b>[ RAGO ]</b>		<u>Model</u>	<u>Code</u>	<u>Rate</u>
<u>Model</u>	<u>Code</u>	<u>Rate</u>	R 900	<b>7850</b>	\$17.58
1-36 REBEL	<b>4805</b>	\$11.93	R 1000	<b>7855</b>	\$28.58
2-36 ROMPER	<b>4810</b>	\$26.06	W 55T	<b>7860</b>	\$9.66
2-66 RANGER	<b>4820</b>	\$70.35	W 74L, W 74T	<b>7880</b>	\$9.53
2-84 RANGER	<b>4830</b>	\$95.73	W 74	<b>7890</b>	\$9.18
220A RASCAL	<b>4840</b>	\$41.06	W 75	<b>7900</b>	\$9.13
320A RASCAL	<b>4876</b>	\$50.06	WDH 84	<b>7910</b>	\$13.46
320S RASCAL	<b>4890</b>	\$47.18	WDH 86-110	<b>7912</b>	\$17.25
400A RASCAL	<b>5010</b>	\$48.99	WHK 90, WHK 90L	<b>7915</b>	\$16.29
404B RUSTLER	<b>5110</b>	\$54.59			
410A RASCAL	<b>5150</b>	\$52.76			
600A RASCAL	<b>5220</b>	\$65.92			
4000 RASCAL	<b>5235</b>	\$70.42			
4200 RASCAL	<b>5236</b>	\$76.71			
4404 RUSTLER	<b>5236E</b>	\$28.21			

**SHOVELS & CRANES CRAWLER [ S&CCL ]**

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

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

<b>LINK-BELT [ L-B ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
LS 78	<b>4702</b>	\$62.12
LS 78 pipeliner	<b>4724</b>	\$64.29
LS 98	<b>4826</b>	\$68.49
LS 98 pipeliner	<b>4852</b>	\$74.89
LS 98A	<b>4924</b>	\$69.65
LS 108B	<b>4980</b>	\$79.55
LS 108D	<b>4981</b>	\$108.07
LS 118	<b>4998</b>	\$112.18
LS 218H	<b>5010</b>	\$191.26
LS 318	<b>5012</b>	\$112.94
LS 338	<b>5020</b>	\$124.96
LS 518	<b>5124</b>	\$184.94

<b>MANITOWOC [ MTWC ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
222EX (WEST)	<b>5600</b>	\$225.51
2900 WC	<b>5764</b>	\$96.61
3000 W	<b>5812</b>	\$113.30
3900B (100 ton)	<b>6036</b>	\$161.35
3900 W VICON series 2	<b>6132</b>	\$220.28
4000 W VICON	<b>6180</b>	\$200.12
4100 W VICON series 1	<b>6196</b>	\$306.78
4100 W VICON series 2	<b>6198</b>	\$316.48
4600 VICON series 1	<b>6328</b>	\$480.02
4600 VICON series 3	<b>6332</b>	\$521.15

<b>P&amp;H [ P&amp;H ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
535	<b>7716</b>	\$95.01
550	<b>7748</b>	\$101.47
670 WLC	<b>7892</b>	\$121.84

**SHOVELS & CRANES, TRUCK MOUNTED [ S&CTK ]**

**DELAY FACTOR = 0.28 OVERTIME FACTOR = 0.76**

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).

<b>AMERICAN HOIST &amp; DERRICK [ AMHD ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
5470	<b>1015</b>	\$106.18
5530	<b>1080</b>	\$190.73
7450	<b>1130</b>	\$92.24
7460	<b>1140</b>	\$141.55

7530	<b>1170</b>	\$157.83
8460	<b>1178</b>	\$204.09
8470	<b>1179</b>	\$332.76

<b>LINK-BELT [ L-B ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
HC 48A	<b>4332</b>	\$60.80
HC 108B	<b>4960</b>	\$68.60
HC 108C	<b>4970</b>	\$113.17
HC 138	<b>4992</b>	\$80.06
HC 138A	<b>4995</b>	\$178.71
HC 218	<b>5050</b>	\$102.51
HC 218A	<b>5051</b>	\$178.51
HC 228H	<b>5054</b>	\$226.53
HC 238A, 238B	<b>5065</b>	\$186.54

<b>P&amp;H [ P&amp;H ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
440 TC	<b>7240</b>	\$79.38
650A TC	<b>7720</b>	\$111.02
670 TC	<b>7790</b>	\$114.98
790 TC	<b>7880</b>	\$102.56
8115A TC	<b>7950</b>	\$142.99

**SANBLASTING EQUIPMENT [ SANBL ]**

**DELAY FACTOR = 0.53 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.

<b>REMOTE CONTROL ONLY [ REMC ]</b>			
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
45 (100)	159 (350)	<b>010-035</b>	\$1.30
159 (350)	272 (600)	<b>035-060</b>	\$1.73
272 (600)	454 (1000)	<b>060-100</b>	\$1.75
454 (1000)	680 (1500)	<b>100-150</b>	\$2.20
680 (1500)	907 (2000)	<b>150-200</b>	\$2.45

**SAWS, CHAIN AND EARTH AUGER ATTACHMENT [ SAWCH ]**

**DELAY FACTOR = 0.12 OVERTIME FACTOR = 0.88**

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).

<b>SAWS [ SAW ]</b>			
<u>Model</u>		<u>Code</u>	<u>Rate</u>
>3.7 (5)	30 amps @ 120V	<b>5-HP</b>	\$2.18

**SAWS, CONCRETE AND MASONRY [ SAWCO ]**

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

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

**SINGLE & MULTI-BLADE [ ABOP ]**

**OPERATION**

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	7.5 (10)	<b>0-10</b>	\$2.58
7.5 (10)	14.9 (20)	<b>10-20</b>	\$5.83
14.9 (20)	24.6 (33)	<b>20-33</b>	\$11.55
24.6 (33)	33.6 (45)	<b>33-45</b>	\$13.36
33.6 (45)	48.5 (65)	<b>45-65</b>	\$16.14

**BLADE SAWKERF [ ABSK ]**

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

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

**SCRAPERS, SELF PROPELLED [ SCRSP ]**

**DELAY FACTOR = 0.18 OVERTIME FACTOR = 0.83**

Includes all attachments and accessories.

**CATERPILLAR [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
613	<b>1395</b>	\$54.87
613B	<b>1400</b>	\$63.89
613C	<b>1402</b>	\$81.58
615	<b>1415</b>	\$111.38
615C	<b>1416</b>	\$122.77
621B cushion hitch	<b>1680</b>	\$140.13
623B	<b>1700</b>	\$145.77
623E	<b>1702</b>	\$176.21
623F	<b>1703</b>	\$186.80
627B push pull	<b>1770</b>	\$184.08
627E non push-pull	<b>1772</b>	\$200.56
627E push-pull	<b>1773</b>	\$205.50
631C 67M5012 serial	<b>2170</b>	\$154.95
631D	<b>2180</b>	\$200.13
631E	<b>2185</b>	\$225.08
633C non cushion hitch	<b>2305</b>	\$149.21
633C cushion hitch	<b>2315</b>	\$149.13
633C 66M693 serial	<b>2320</b>	\$160.54
633D	<b>2330</b>	\$210.46
637 cushion, non-push-pull	<b>2375</b>	\$225.42

637 non-cushion, push-pull	<b>2410</b>	\$227.72
637D non push-pull	<b>2460</b>	\$285.86
637D push-pull	<b>2470</b>	\$289.97
639D	<b>2475</b>	\$300.08
637E	<b>2476</b>	\$320.63
637E push-pull	<b>2477</b>	\$326.26
641B non cushion hitch	<b>2620</b>	\$189.13
641B cushion hitch	<b>2655</b>	\$234.71
651B non cushion hitch	<b>2935</b>	\$240.71
651B cushion hitch	<b>2970</b>	\$243.27
651E	<b>2975</b>	\$315.70
657B non cushion, non p-p	<b>3360</b>	\$371.79
657B cushion, push-pull	<b>3370</b>	\$378.53
657E non push-pull	<b>3375</b>	\$459.81
657E push-pull	<b>3380</b>	\$479.50
660B	<b>3470</b>	\$217.60
666B	<b>3600</b>	\$338.15

**JOHN DEERE**

**[ DEER ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD 760A	<b>3845</b>	\$54.17
JD 762	<b>3860</b>	\$68.78
JD 762A	<b>3865</b>	\$73.14
JD 762B	<b>3866</b>	\$88.84
JD 860A	<b>3920</b>	\$80.62
JD 860B	<b>3930</b>	\$85.00
JD 862	<b>3940</b>	\$102.88
JD 862B	<b>3942</b>	\$130.75

**INTERNATIONAL**

**[ INTL ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
412B	<b>5631</b>	\$70.64
431B	<b>5637</b>	\$137.92
433B	<b>5643</b>	\$196.98

**TEREX**

**[ TERX ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
S 11EB	<b>8245</b>	\$55.22
S 23E 33TOT-H-93SH, elev	<b>8250</b>	\$134.03
S 24 49LOT-76SH serial	<b>8260</b>	\$167.66
S 24B 023-024 serial	<b>8270</b>	\$208.55
S 24C	<b>8275</b>	\$231.23

**WABCO**

**[ WAB ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
101F	<b>8570</b>	\$61.89
101G	<b>8575</b>	\$64.97
111A	<b>8640</b>	\$60.02
222G	<b>8700</b>	\$118.18
222H	<b>8704</b>	\$136.05

**TRACTORS, CRAWLER**

[ TRACC ]

**DELAY FACTOR = 0.19**

**OVERTIME FACTOR = 0.82**

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

**CASE**

[ CASE ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
350	1820	\$24.62
350B	1825	\$26.80
450	1868	\$21.95
450B	1869	\$25.75
450C	1869E	\$28.60
475	1870	\$36.95
550	2000	\$29.76
650	2100	\$35.03
850	2128	\$29.18
850B	2130	\$32.05
850C	2135	\$35.67
850D	2140	\$37.78
1150B	2250	\$44.17
1150C	2255	\$50.05
1150D	2257	\$51.31
1150E	2258	\$53.32

**CATERPILLAR**

[ CAT ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
D-3	2340	\$25.44
D-3B	2345	\$28.68
D-3 LGP	2350	\$26.10
D-3B LGP	2355	\$29.98
D-3B SA	2370	\$31.66
D-3C	2380	\$30.71
D4C Series III	2450	\$40.01
D-4D	2655	\$30.60
D-4E direct drive	2660	\$32.80
D-4E power shift	2665	\$34.14
D-4H	2670	\$43.01
D-4H LGP	2675	\$43.54
D-4H Series II	2680	\$44.31
D-4E SA	2772	\$38.78
D-4E LGP power shift	2780	\$34.34
D-4E LGP direct drive	2782	\$34.34
D-4G XL	2790XL	\$40.60
D-5	3194	\$44.38
D-5B power shift	3206	\$47.92
D-5B SA	3325	\$51.46
D-5B LGP	3345	\$50.69
D-5C	3346	\$43.14
D-5H	3347	\$57.97

D-5H Series II	3348	\$62.17
D-5H LGP	3350	\$61.12
D-6C direct drive	3645	\$57.03
D-6C power shift	3688	\$57.69
D-6C LGP	3710	\$60.27
D-6D	3720	\$69.06
D-6D SA	3725	\$76.45
D-6D LGP	3730	\$69.44
D-6H	3732	\$77.66
D-6H Series II	3733	\$82.54
D-6H LGP	3735	\$82.40
D-6M LGP	3745	\$78.43
D-6R DS	3800	\$88.79
D-6R XL	3815	\$93.00
D-7G	4180	\$105.48
D-7G LGP	4200	\$100.98
D-7G SA	4210	\$106.97
D-7H	4215	\$107.70
D-7H Series II	4216	\$117.64
D-7H LGP	4220	\$114.42
D-8K	4858	\$135.07
D-8L	4862	\$165.82
D-8L SA	4863	\$174.22
D-8N	4864	\$151.01
D-8R	4870	\$167.21
D-9H	5160	\$178.38
D-9L	5165	\$217.75
D-9N	5170	\$189.70
D-9R	5175	\$225.10
D-10	5220	\$334.53
D-10N	5225	\$276.50
D-10R	5227	\$309.90
D-11N	5230	\$436.31

**JOHN DEERE**

[ DEER ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD 350C	5360	\$27.73
JD 350D	5365	\$30.87
JD 400G	5405	\$27.03
JD 450C	5474	\$28.71
JD 450D	5476	\$29.87
JD 450E	5478	\$30.06
JD 450G	5479	\$33.39
JD 550	5480	\$32.59
JD 550A	5481	\$35.31
JD 550B	5483	\$34.00
JD 550G	5484	\$39.14
JD 650G	5484A	\$43.75
JD 650H LGP	5484H	\$47.60
JD 750	5485	\$51.32
JD 750B	5486	\$56.41

JD 750 LGP	5487	\$54.38	D 68P-1	8083	\$91.57
JD 750B LGP	5488	\$69.35	D 68E-1	8085	\$86.15
JD 850	5490	\$66.96	D 83E-1	8087	\$107.10
JD 850B	5491	\$77.49	D 83P-1	8088	\$108.54
JD 850 LGP	5492	\$71.91	D 85P-18	8090	\$115.64
JD 850B LGP	5495	\$85.01	D 85A-18	8114	\$97.55

**DRESSER**

[ DRES ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TD 7E	9100	\$29.76
TD 7G	9102	\$33.39
TD 8E	9105	\$36.46
TD 8G	9107	\$39.74
TD 12	9110	\$52.79
TD 12 LGP	9115	\$60.38
TD 15C	9120	\$76.43
TD 15E	9122	\$92.35
TD 15C LGP	9125	\$73.39
TD 20E	9130	\$99.43
TD 20G	9135	\$124.81
TD 20G LGP	9137	\$132.79
TD 25E	9139	\$140.22
TD 25G	9140	\$181.93

**FIAT-ALLIS**

[ F-A ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
10C	6043	\$58.55
10C LGP	6044	\$59.48
14C	6048	\$73.67
FD 20	6056	\$105.21
21C	6060	\$120.01
FD 30	6060E	\$142.98
31	6061	\$191.85
FD 40	6061E	\$223.11

**KOMATSU**

[ KOMA ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
D 21P-6	7965	\$30.69
D 31A-16	7970	\$26.99
D 31A-17	7972	\$30.05
D 31E-17	7976	\$31.15
D 31E-18	7977	\$33.67
D 31P-16	7980	\$27.39
D 31P-17	7981	\$30.82
D 31P-17B	7981E	\$32.22
D 58E-1	8003	\$61.31
D 58P-1	8003H	\$69.64
D 65E-6	8070	\$70.09
D 65E-7, E-8	8072	\$79.18
D 65P-6	8080	\$72.94
D 65P-7 / D 65P-8	8082	\$82.80

D 85E-12	8120	\$84.59
D 85E-18	8140	\$108.33
D 135A-1	8150	\$139.05
D 155A-1	8160	\$161.95
D 155A-2	8161	\$161.62
D 375A-1	8175	\$257.28
D 375A-2	8176	\$291.32
D 455A-1	8180	\$315.85
D 475A-2	8186	\$462.55

<b>TRACTORS, HEAVY</b>	<b>[ TRACH ]</b>
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**DELAY FACTOR = 0.19                      OVERTIME FACTOR = 0.82**

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

**CATERPILLAR**

[ CAT ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
814	1400	\$93.43
814B	1410	\$142.77
824B	1720	\$147.92
824C	1730	\$189.13
834B	2010	\$287.97

<b>TRACTORS, RUBBER TIRE, INDUSTRIAL, FARM &amp; SKID STEER</b>	<b>[ TRACS ]</b>
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**DELAY FACTOR = 0.13                      OVERTIME FACTOR = 0.88**

**37.3 kW (50 HP) OR LESS                      [ <50 ]**

Including, but not limited to the following:  
 Bobcat--440B, 443B, 450, 453, 542B, 543B, 553, 742B, 743B, 753, 763, 773, 1840, 7753  
 Case-- 1818, 1825, 1835C, 1838  
 Deere-- 3375, 4475, 5200, 5575, 6675, 7775  
 Ford-- L250, L454, L455, L553, L555, L781  
 Gehl-- SL3310, SL3410, SL3725, SL3825, SL4525, SL4625  
 Hydra-Mac-- 1300, 1600, 1700D  
 JCB-- 165Robot, 165Robot Ser II  
 Massey-Ferguson-- MF30E  
 Mahto-- LS70, LS75, L933  
 Mustang-- 920, 920E, 921, 930A, 930AE, 940, 940E, 910, 911, 2040  
 New Holland-- 1220, 1320, 1620, 1920, 2120, 3415, 3930, L250, L255, L465, LX465, LX485, L565, LX565, LX665  
 Ramrod-- 230B, 300B, 584B, 784B, 550, 750, 1350, 1550  
 Thomas-- T-82, T-83, T-83S, T-103, T-132, T-133, T-133S  
 Trak-- 1300HD, 1300C, 1300CX, 1500C

<u>Model</u>	<u>Code</u>	<u>Rate</u>
with loader or dozer	A	\$20.92
auger, w/ or w/o loader or dozer	B	\$21.27

backhoe, w/ or w/o loader or dozer C \$22.56

**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	\$28.03
auger, w/ or w/o loader or dozer	B	\$28.47
backhoe, w/ or w/o loader or dozer	C	\$29.80

**TRAFFIC CONTROL & SAFETY DEVICES [ TRAF A ] (HOURLY RATES)**

**DELAY FACTOR = 0.38 OVERTIME FACTOR = 0.66**

**CHANGEABLE MESSAGE SIGN [ CMSN ]**

Model	Code	Rate
Generator	GEN1	\$11.88
Generator w/ cell remote	GEN2	\$12.96
Solar	SOL1	\$8.43
Solar w/ cell remote	SOL2	\$9.52

**FLASHING ARROW SIGN [ FLAS ]**

Including supplies, replacements and servicing.

Model	Code	Rate
Roof mounted	RM	\$0.74
Trailer mounted	TM	\$2.75

**TRAFFIC CONTROL & SAFETY DEVICES [ TRAF C ] (DAILY RATES)**

**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	\$0.37
each without flasher	A2	\$0.19
each	B3	\$0.84

**(2) TRAFFIC CONES [ 2TC ]**

Lost or destroyed are no longer paid on invoice.

Model	Code	Rate
450 mm (18") high, per 100	A100	\$6.73
700 mm (28") high, per 100	B100	\$11.76
700 mm (28") high w/ refl sleeve, per 100	D100	\$18.04
1,050 mm (42") high w/ refl sleeve, per 100	E100	\$30.02

**(3) PORTABLE DELINEATOR [ 3DEL ]**

Lost or destroyed are no longer paid on invoice.

Model	Code	Rate
per 100	100	\$19.25

**(4) ILLUMINATED SIGNS [ 4SIG ]**

Model	Code	Rate
incl 900 mm x900 mm (3'x3') sign & batteries	12V	\$4.61

**(5) FLASHING BEACON [ 5BEA ]**

Model	Code	Rate
portable 12 volt	12V	\$4.70

**(6) FLAG/SIGN STAND [ 6FSS ]**

Model	Code	Rate
incl sign, stand & 3 flags	EACH	\$2.14

**(7) DELINEATOR DRUM [ 7DDR ]**

Model	Code	Rate
Del. drum w/ base per 100	100	\$47.26

**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 ]**

Model	Code	Rate
2 axle		
4 Tires per axle	100	\$12.50
8 Tires per axle	200	\$15.76

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

Model	Code	Rate
3 axle		
4 Tires per axle	300	\$16.74
8 Tires per axle	400	\$19.39

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

Model	Code	Rate
4 axle		
4 Tires per axle	500	\$26.95
8 Tires per axle	600	\$33.47

<b>LOW BED D</b>	<b>[ LB-D ]</b>	
6 axle		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
8 Tires per axle	<b>700</b>	\$53.55

<b>TRAILERS, EQUIPMENT, TILT BED [ TRAIT ]</b>
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**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).

<b>TILT BED 1 AXLE</b>	<b>[ TB-1 ]</b>	
<u>OVER</u>	<u>TO</u>	<u>Code</u>
0	1.8 (2)	<b>00-02</b>
1.8 (2)	3.6 (4)	<b>02-04</b>

<b>TILT BED 2 AXLES</b>	<b>[ TB-2 ]</b>	
<u>OVER</u>	<u>TO</u>	<u>Code</u>
3.6 (4)	5.4 (6)	<b>04-06</b>
7.3 (8)	9.1 (10)	<b>08-10</b>
9.1 (10)	10.9 (12)	<b>10-12</b>
10.9 (12)	12.7 (14)	<b>12-14</b>
12.7 (14)	14.5 (16)	<b>14-16</b>
14.5 (16)	16.3 (18)	<b>16-18</b>
16.3 (18)	18.1 (20)	<b>18-20</b>
18.1 (20)	20.0 (22)	<b>20-22</b>
20.0 (22)	22.7 (25)	<b>22-25</b>

<b>TRENCHING MACHINES [ TRENC ]</b>
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**DELAY FACTOR = 0.15                      OVERTIME FACTOR = 0.87**

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

<b>BOBCAT</b>	<b>[ BCAT ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
T 116	<b>2000</b>	\$10.58
T 135	<b>2010</b>	\$24.57
T 136	<b>2020</b>	\$24.91
T 208	<b>2030</b>	\$5.53
3022	<b>2040</b>	\$25.39

<b>CASE</b>	<b>[ CASE ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
TL 70	<b>9051</b>	\$4.42
TL 100	<b>9053</b>	\$6.37
TL 120	<b>9055</b>	\$7.70
TL 200	<b>9070</b>	\$7.87
16+4	<b>9120</b>	\$11.65
25+4	<b>9170</b>	\$16.16
25 + 4 XP	<b>9171</b>	\$20.48
30+4 standard	<b>9224</b>	\$23.03
DH 4	<b>9255</b>	\$30.53
DH 4B	<b>9256</b>	\$33.53

DH 5	<b>9257</b>	\$30.32
DH 5 QUAD	<b>9259</b>	\$31.75
DH 7	<b>9261</b>	\$35.78
360	<b>9263</b>	\$25.24
ROAD RUNNER 380	<b>9277</b>	\$32.88
TF 300	<b>9374</b>	\$15.92
TF 700	<b>9398</b>	\$20.44
TF 800	<b>9405</b>	\$26.61
TF 1000	<b>9460</b>	\$32.09
760	<b>9465</b>	\$33.64

<b>DITCH WITCH</b>	<b>[ D-W ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
R 30	<b>5390</b>	\$20.65
R 36D	<b>5400</b>	\$25.20
R 40	<b>5432</b>	\$27.11
R 65	<b>5556</b>	\$27.71
R 100	<b>5565</b>	\$72.49
V 30	<b>5618</b>	\$19.44
1410	<b>5620</b>	\$8.03
1420	<b>5625</b>	\$8.73
1500	<b>5630</b>	\$5.95
1620	<b>5635</b>	\$11.34
1810	<b>5640</b>	\$11.71
2020	<b>5645</b>	\$15.06
2200	<b>5650</b>	\$14.05
2300	<b>5660</b>	\$21.08
2310	<b>5662</b>	\$22.07
3210	<b>5670</b>	\$24.35
3210 Combo	<b>5675</b>	\$25.25
3500	<b>5676</b>	\$28.77
4010	<b>5677</b>	\$36.15
4010 Combo	<b>5678</b>	\$29.12
5010	<b>5679</b>	\$28.66
6510	<b>5680</b>	\$34.71
6510 Combo	<b>5685</b>	\$37.94

<b>MIDMARK</b>	<b>[ MDMK ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
300 A	<b>7945</b>	\$20.47
321	<b>7950</b>	\$21.79
400 A	<b>7955</b>	\$26.39
440	<b>7960</b>	\$33.65

<b>VERMEER</b>	<b>[ VERM ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
CC-135	<b>8350</b>	\$78.49
M 220	<b>8380</b>	\$13.64
M 455 / M455A	<b>8480</b>	\$34.26
M 475	<b>8570</b>	\$36.56
M 475A	<b>8571</b>	\$40.80



M 485	<b>8580</b>	\$40.89
M 495	<b>8585</b>	\$64.44
T 300B, T 300A	<b>8718</b>	\$21.50
T 400C, T 400B, T 400A	<b>8781</b>	\$49.32
T 600D, C, B, A	<b>8842</b>	\$71.55
T 650	<b>8843</b>	\$122.13
T 800B, T 800A, T800	<b>8870</b>	\$115.23
T 800C	<b>8871</b>	\$125.48
T 850	<b>8875</b>	\$224.34
V 430	<b>8950</b>	\$24.72
V 430A	<b>8951</b>	\$27.95
V 434 / M 434	<b>9000</b>	\$23.82
V 440	<b>9015</b>	\$27.00
V 450	<b>9017</b>	\$32.76
V 454	<b>9020</b>	\$27.90
V 1550	<b>9025</b>	\$12.86

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

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

<b>TRUCKS</b>		<b>[ T&amp;TT ]</b>	
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
Cars, trucks 680 kg (3/4 T) & lighter		<b>00-06</b>	\$16.34
3175 (7000)    5443 (12000) No small pickups		<b>06-12</b>	\$20.39
5443 (12000)    9072 (20000)		<b>12-20</b>	\$25.18
9072 (20000)    12701(28000)		<b>20-28</b>	\$27.36
12701 (28000)    16330 (36000)		<b>28-36</b>	\$35.04
16330 (36000)    21773 (48000)		<b>36-48</b>	\$40.65
21773 (48000)    27216 (60000)		<b>48-60</b>	\$49.78
27216(60000) & Over		<b>60</b>	\$63.05

**TRUCKS, OFF-HIGHWAY [ TRUOF ]**

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

<b>TRUCK OFF-HIGHWAY</b>		<b>[ TRU ]</b>	
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
9.1 (10)	13.6 (15)	<b>10-15</b>	\$39.06
16.3 (18)	20.0 (22)	<b>18-22</b>	\$69.99
20.0 (22)	24.5 (27)	<b>22-27</b>	\$87.34
24.5 (27)	29.0 (32)	<b>27-32</b>	\$99.86
29.0 (32)	36.3 (40)	<b>32-40</b>	\$135.48

36.3 (40)	49.9 (55)	<b>40-55</b>	\$200.36
49.9 (55)	60.8 (67)	<b>55-67</b>	\$225.16

**TRUCKS, DUMP, ON-HIGHWAY [ TRUON ]**

**DELAY FACTOR = 0.19                      OVERTIME FACTOR = 0.83**  
Includes all end dump, side dump and belly dump types; including all attachments and accessories.

<b>TRUCK ON-HIGHWAY</b>		<b>[ TRUN ]</b>	
<u>Model</u>		<u>Code</u>	<u>Rate</u>
2 axles		<b>2AXL</b>	\$42.53
3 axles		<b>3AXL</b>	\$55.71
4 axles		<b>4AXL</b>	\$62.85
5 axles		<b>5AXL</b>	\$70.13

**WELDING EQUIPMENT [ WELD ]**

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

<b>ARC WELDING MACHINES</b>		<b>[ AWM ]</b>	
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	250	<b>0-250</b>	\$4.73
250	500	<b>250-500</b>	\$9.14
over	500	<b>500</b>	\$9.50

<b>GAS WELDING OUTFIT</b>		<b>[ GWO ]</b>	
<u>Model</u>		<u>Code</u>	<u>Rate</u>
ALL		<b>ALL</b>	\$0.23

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