

State of California  
California State Transportation Agency

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Department of Transportation  
Division of Construction

# Labor Surcharge and Equipment Rental Rates

(Cost of Equipment Ownership)



Effective April 1, 2020 through March 31, 2021



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FOR DOUBLE-SIDED PRINTING

**USER'S GUIDE  
FOR LABOR SURCHARGE AND EQUIPMENT RENTAL RATES  
April 1, 2020 - March 31, 2021**

Equipment Rental Rates are available on the Internet at:

**<http://www.dot.ca.gov/programs/construction/equipment-rental-rates-and-labor-surcharge>**

Miscellaneous Equipment Rental Rates are available on the Internet at:

**<http://www.dot.ca.gov/programs/construction/miscellaneous-equipment-rental-rates-and-labor-surcharge>**

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, 2020 book are 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 worker's compensation, social security, Medicare, Federal unemployment insurance, State unemployment insurance, and State training taxes. The general rate is an average of the job classifications common to Caltrans projects. The labor surcharges in the April 1, 2020 book are the result of some changes in worker's compensation rates. The rates were derived from using the pure premium rate approved by the Insurance Commissioner effective January 1, 2020 and increasing it by the historical statewide average expense. In the calculation of the labor surcharge for overtime work, the worker's compensation is not included on the premium portion of overtime, as provided by worker's compensation regulations.

The surcharge percentage to be applied to the actual wages paid as provided in Section 9-1.04B [9-1.03A(1b)] of the *Standard Specifications* will be **10 percent for regular time (RT)** and **10 percent for overtime (OT)**.

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

## EXCEPTIONS

<u>Type of Work Performed</u>	<u>Labor Surcharge Percent</u>	
	RT	OT
Concrete Construction - Bridge.....	10	10
Drilling .....	12	12
Fence & Guardrail Construction .....	10	10
Erection of structural metal for metal bridges, excluding sign bridge .....	13	12
Landscape Gardener .....	10	10
Mobil Crane & Hoist Service.....	12	12
Painting Steel Structures or Bridges .....	13	12
Pile Driving, not including drilled, cast-in-place concrete piles .....	18	16
Sign Erection or Repair .....	13	12
Wrecking & Demolition .....	12	12

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

## Background

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

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

## Overtime and Multiple Shifts

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

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

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

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

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

## Delays

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

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

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

## Use of Daily Extra Work Bill

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

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

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



# EQUIPMENT RENTAL RATE

NOTE--THE FOLLOWING RATES ARE IN EFFECT FROM APRIL 1, 2020 THROUGH MARCH 31, 2021

## 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>	\$4.36
Clam action Over 1 CY to 2 CY	<b>C2</b>	\$7.66
Clam action Over 2 CY to 3.5 CY	<b>C3</b>	\$11.09
Clam action Over 3.5 CY to 5 CY	<b>C4</b>	\$15.81
Clam action bucket Over 5 CY	<b>C5</b>	\$21.86
Ripper on No. 1 models	<b>R1</b>	\$2.62
Ripper on No. 2 models	<b>R2</b>	\$3.43
Ripper on No. 3 models	<b>R3</b>	\$5.72
Ripper on No. 4 models	<b>R4</b>	\$6.47
Ripper on No. 5 models	<b>R5</b>	\$10.61
Ripper on No. 6 models	<b>R6</b>	\$16.78
Ripper on No. 7 models	<b>R7</b>	\$19.47
Ripper on No. 8 models	<b>R8</b>	\$32.44
Winch on No. 1 models	<b>S1</b>	\$3.11
Winch on No. 2 models	<b>S2</b>	\$4.64
Winch on No. 3 models	<b>S3</b>	\$6.14
Winch on No. 4 models	<b>S4</b>	\$7.89
Winch on No. 5 models	<b>S5</b>	\$13.81
Lift gate	<b>TG</b>	\$0.90
Pump, water truck only	<b>TP</b>	\$6.16
Winch, truck	<b>TW</b>	\$0.33
Gas welding hose per 15.2 m (50 lf)	<b>WH</b>	\$0.02
Elec welding lead per 30.5 m (100 lf)	<b>WL</b>	\$0.19

## 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>	\$5.16
19 (40)	76 (160)	<b>004-016</b>	\$19.18
76 (160)	118 (250)	<b>016-025</b>	\$20.82
118 (250)	212 (450)	<b>025-045</b>	\$36.25
212 (450)	354 (750)	<b>045-075</b>	\$59.93
354 (750)	566 (1200)	<b>075-120</b>	\$87.54
566 (1200)	708 (1500)	<b>120-150</b>	\$114.01

## AIR DRILLS, CRAWLER

[ AIRDL ]

**DELAY FACTOR = 0.49**

**OVERTIME FACTOR = 0.55**

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>	\$26.98
100 (4)	& Over	<b>5</b>	\$27.62

## AIR TOOLS

[ AIRTO ]

**DELAY FACTOR = 0.61**

**OVERTIME FACTOR = 0.41**

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>	\$0.45
4.5 (10)	9.1 (20)	<b>10-20</b>	\$0.49
9.1 (20)	13.6 (30)	<b>20-30</b>	\$0.89
13.6 (30)	18.1 (40)	<b>30-40</b>	\$1.04
18.1 (40)	27.2 (60)	<b>40-60</b>	\$1.13
27.2 (60)	& Over	<b>60</b>	\$1.60

**ASPHALT DIKE & SHOULDER PAVERS [ ASDSP ]**

**DELAY FACTOR = 0.11                      OVERTIME FACTOR = 0.91**

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>	\$77.43
No. 2	<b>4052</b>	\$61.82
Nos. 43, 44	<b>4054</b>	\$81.40

**ASPHALT PAVING COMPANY              [ APCO ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
E-1	<b>4000</b>	\$103.97
E-2, E3	<b>4002</b>	\$186.15

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
RW-35 / 38	<b>4075</b>	\$72.27
RW-85	<b>4077</b>	\$38.65
RW-95	<b>4079</b>	\$61.88
RW-100	<b>4081</b>	\$105.50
RW-195D	<b>4083</b>	\$145.53

**DELTA    [ DLTA ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
DC-1	<b>4095</b>	\$146.09

**ASPHALT PAVERS                          [ ASPAV ]**

**DELAY FACTOR = 0.17                      OVERTIME FACTOR = 0.87**

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>	\$90.99
BG 225	<b>0810</b>	\$98.49
BG 240	<b>0815</b>	\$107.31
BG 245	<b>0820</b>	\$117.15
BG 260	<b>0825</b>	\$138.59
BG 260B	<b>0826</b>	\$177.49
BG 265	<b>0830</b>	\$156.06
RT 435, 4wd	<b>0905</b>	\$115.45
RT 445, 4wd	<b>0925</b>	\$111.73
RT 455, 4wd	<b>0945</b>	\$109.77
RT 455, 4wd, 10-20' screed	<b>0955</b>	\$113.54
RT 465, 4wd	<b>0965</b>	\$145.60
SA 125	<b>1419E</b>	\$87.05
SB 131	<b>1420</b>	\$107.72
SB 140	<b>1425</b>	\$133.59
SA 141	<b>1430</b>	\$92.03
SA 145	<b>1432</b>	\$114.71
SA 150	<b>1435</b>	\$145.22

SB 170    **1440**                      \$147.95

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
PF-22	<b>1490</b>	\$40.89
PF-35	<b>1550</b>	\$72.95
PF-115	<b>1750</b>	\$115.05
PF-120H	<b>2010</b>	\$105.76
PF-171	<b>2090</b>	\$160.05
PF-180	<b>2100</b>	\$71.64
PF-180H	<b>2204</b>	\$168.22
PF-200	<b>2250</b>	\$167.73
PF-200, 18' screed	<b>2252</b>	\$170.64
PF-220	<b>2300</b>	\$170.69
PF-400A	<b>2350</b>	\$148.30
PF-500	<b>2404</b>	\$185.17
PF-500, 18' screed	<b>2406</b>	\$188.29
PF-510, 18' screed	<b>2407</b>	\$194.96
PF-3172, 18' screed	<b>2408</b>	\$160.84
PF-3200	<b>2410</b>	\$216.84
PF-5510	<b>2415</b>	\$227.29

**CATERPILLAR                                  [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
AP-200	<b>2420</b>	\$45.67
AP-800	<b>2430</b>	\$115.84
AP-1050	<b>2431</b>	\$180.59
AP-1000	<b>2435</b>	\$177.20
AP-1000 4wd	<b>2436</b>	\$183.25
AP-1055B	<b>2438</b>	\$226.48
AP-1055D	<b>2438D</b>	\$285.35
AP-1200	<b>2440</b>	\$148.13

**CEDAR RAPIDS                                  [ CEDR ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BSF-2H	<b>2550</b>	\$96.30
BSF-3R	<b>2600</b>	\$106.08
CR-351	<b>2668A</b>	\$151.57
CR-351 4wd	<b>2668B</b>	\$156.38
CR-361R (RUBBER TRACK)	<b>2668R</b>	\$185.78
CR-431	<b>2669</b>	\$127.75
CR-551	<b>2670</b>	\$204.23
CR-461	<b>2672</b>	\$202.09
CR-561	<b>2674</b>	\$214.27

**LAYTON    [ LYTN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
F-525	<b>2680</b>	\$22.99
D-550	<b>2682</b>	\$25.50
H-500B	<b>2684</b>	\$7.20

**ASPHALT WINDROW PICKUP MACHINE [ ASPWP ]****DELAY FACTOR = 0.08 OVERTIME FACTOR = 0.94**

Includes all attachments and accessories.

**ATHEY [ ATHY ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
7-11	<b>5000</b>	\$95.37

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BG-610H	<b>5100</b>	\$66.36

**CATERPILLAR [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
WE-601B	<b>5200</b>	\$74.12

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
500	<b>5300</b>	\$56.42
601	<b>5304</b>	\$52.03
Lincoln 660	<b>5305</b>	\$100.19

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
851	<b>5405</b>	\$93.70

**AUGERS, CRAWLER MOUNTED [ AUGCL ]****DELAY FACTOR = 0.28 OVERTIME FACTOR = 0.74**

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>	\$118.69

**TEXOMA [ TXMA ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TAURUS	<b>2010</b>	\$244.79
700CL	<b>2100</b>	\$139.11

**WATSON [ WATS ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2000CM	<b>2500</b>	\$107.59
2500CM	<b>2505</b>	\$165.86
3000CM	<b>2510</b>	\$188.16
3100CM	<b>2515</b>	\$195.27

**AUGERS, HORIZONTAL [ AUGHZ ]****DELAY FACTOR = 0.27 OVERTIME FACTOR = 0.76**

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>	\$111.45
420 series 1250	<b>5002</b>	\$114.34

**AMERICAN AUGER [ AMAU ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
36-350	<b>5014</b>	\$30.29

**BORZALL [ BORZ ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2300-10	<b>5040</b>	\$10.35
4265-10	<b>5042</b>	\$14.42

**DITCH WITCH [ D-W ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2510	<b>5040</b>	\$47.34

**AUGERS, TRUCK MOUNTED [ AUGTK ]****DELAY FACTOR = 0.22 OVERTIME FACTOR = 0.80**

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>	\$181.49
LDH-100	<b>5005</b>	\$152.51
LLDH-80	<b>5010</b>	\$193.60
LLDH-120	<b>5015</b>	\$206.66

**CALWELD [ CALW ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
150-A	<b>5050</b>	\$99.40
200	<b>5052</b>	\$118.33
4500LH	<b>5054</b>	\$197.07

**HUGHES [ HUGH ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
EZ 112	<b>5070</b>	\$64.49
EZ 120	<b>5071</b>	\$72.80
LDH-100	<b>5072</b>	\$118.35
LDH-80	<b>5074</b>	\$116.82
LLDH-120	<b>5076</b>	\$171.70
LLDH-80	<b>5078</b>	\$159.04

<b>P.D.E.</b>	[ <b>PDE</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
M -100	<b>5084</b>	\$45.95	
M-400 with hammer	<b>5085</b>	\$35.28	

<b>TEXOMA</b>	[ <b>TXMA</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
Economatic 115	<b>5087</b>	\$99.71	
Super Economatic	<b>5089</b>	\$100.86	
80	<b>5090</b>	\$137.37	
270	<b>5093</b>	\$100.57	
330	<b>5095</b>	\$105.31	
330 with hammer	<b>5095B</b>	\$116.75	
500 with hammer	<b>5096B</b>	\$118.60	
600	<b>5097</b>	\$124.43	
700	<b>5099</b>	\$189.81	

<b>WATSON</b>	[ <b>WATS</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
1000	<b>6010</b>	\$86.16	
2000	<b>6012</b>	\$154.30	
3000	<b>6014</b>	\$182.41	

<b>BITUMINOUS DISTRIBUTORS</b>	[ <b>BITDT</b> ]
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**DELAY FACTOR = 0.14**      **OVERTIME FACTOR = 0.87**  
 Includes all equipment for handling bituminous materials under pressure.  
 Includes pumps, spray bars and other attachments and accessories.

<b>TRAILER MOUNTED</b>	[ <b>TLMD</b> ]		
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>	\$7.20

<b>TRUCK MOUNTED</b>	[ <b>TRMD</b> ]		
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>	\$72.88
3028 (800)	5299 (1400)	<b>08-14</b>	\$90.84
5299 (1400)	6831 (1800)	<b>14-18</b>	\$93.07
6831 (1800)	11355 (3000)	<b>18-30</b>	\$95.00
11355 (3000)	15140 (4000)	<b>30-40</b>	\$99.07

<b>BROOMS &amp; SWEEPING EQUIPMENT</b>	[ <b>BRMSW</b> ]
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**DELAY FACTOR = 0.15**      **OVERTIME FACTOR = 0.86**  
 Includes all attachments and accessories with brooms of any type. Includes broom wear.

<b>BROOMS - MOUNTED &amp; TOWED</b>	[ <b>MTTD</b> ]		
Includes traction, PTO or engine driven.			
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
ALL	<b>ALL</b>	\$30.36	

<b>BROOMS - SELF PROPELLED</b>	[ <b>SFPR</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
ALL	<b>ALL</b>	\$44.40	

<b>SWEEPERS - SELF PROPELLED,</b>	[ <b>SWSP</b> ]		
<b>PICK UP</b>			
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>	\$102.55
2.3 (3.0)	4.6 (6.0)	<b>3-6</b>	\$136.59
4.6 (6.0)	6.9 (9.0)	<b>6-9</b>	\$159.53

<b>BRUSH CHIPPING &amp; SHREDDING MACHINES</b>	[ <b>BRUCP</b> ]
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**DELAY FACTOR = 0.08**      **OVERTIME FACTOR = 0.93**  
 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>	\$30.46
230 (9)	300 (12)	<b>09-12</b>	\$47.48
300 (12)	405 (16)	<b>12-16</b>	\$46.83

<b>COMPACTORS, HAND GUIDED</b>	[ <b>COMHG</b> ]
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**DELAY FACTOR = 0.20**      **OVERTIME FACTOR = 0.82**  
 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>	\$4.05
113 (250)	& Higher	<b>250</b>	\$9.82

**CONCRETE MIXERS**

[ CONMX ]

**DELAY FACTOR = 0.12****OVERTIME FACTOR = 0.89****STATIONARY OR PORTABLE [ SORP ]**

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	0.10 (3.5)	<b>0-3.5</b>	\$2.22
0.10 (3.5)	0.17 (6.0)	<b>03.5-6</b>	\$3.23
0.17 (6.0)	0.31 (11)	<b>06-11</b>	\$4.16
0.31 (11)	0.45 (16)	<b>11-16</b>	\$5.90

**TRANSIT MIX [ TRMX ]**

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
6.4 (9)	7.6 (10)	<b>09-10</b>	\$153.51
7.6 (10)	9.2 (12)	<b>10-12</b>	\$153.60

**CONCRETE PUMPS**

[ CONPM ]

**DELAY FACTOR = 0.17****OVERTIME FACTOR = 0.85**

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

**ELBA [ ELBA ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
K-8020	<b>1000</b>	\$96.35

**MAYCO [ MACO ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
C-30HD	<b>1020</b>	\$17.93
LST-30/60S	<b>1024</b>	\$30.50

**SCHWING [ SHWG ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BPA-1000	<b>1050</b>	\$35.73
WP-1000X	<b>1052</b>	\$48.77
WP-1250X	<b>1054</b>	\$63.17
900-1200 w/28 m boom	<b>1055</b>	\$95.21
900-1200 w/32 m boom	<b>1057</b>	\$111.99
BPL 1200 w/36 m boom	<b>1058</b>	\$119.28

**THOMSEN [ THOM ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
A-3.75 w/ mixer	<b>1070</b>	\$23.89
A-7	<b>1072</b>	\$21.18
11 pump w/28 m boom	<b>1078</b>	\$117.50
12 pump w/32 m boom	<b>1082</b>	\$124.81
14 pump w/36 m boom	<b>1084</b>	\$170.18

**CONCRETE SLIPFORM PAVERS**

[ CONSF ]

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

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

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
SF-250	<b>2002</b>	\$163.05
SF-350 series 2	<b>2004</b>	\$260.54
SF-550	<b>2006</b>	\$348.53

**GOMACO [ GOMA ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
GP-2000	<b>2020</b>	\$165.45
GP-2500	<b>2022</b>	\$185.60
GP-3500	<b>2024</b>	\$263.89

**CONCRETE VIBRATORS**

[ CONVB ]

**DELAY FACTOR = 0.33****OVERTIME FACTOR = 0.69**

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

**CONCRETE VIBRATORS [ CVIB ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Each Vibrating Head	<b>EVHD</b>	\$1.11

**CURB EXTRUSION MACHINES**

[ CRBEX ]

**DELAY FACTOR = 0.23****OVERTIME FACTOR = 0.81**

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

**CURB EXTRUSION MACHINE [ CEM ]**

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	460 (18)	<b>0-18</b>	\$33.59
460 (18)	& Over	<b>18 PLUS</b>	\$97.07

**CONCRETE BARRIER SLIPFORM PAVERS**

[ CRBSF ]

**DELAY FACTOR = 0.20****OVERTIME FACTOR = 0.84**

Includes all attachments, accessories and barrier or curb molds.

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
SF-175	<b>3000</b>	\$120.50

**CURBMASTER [ CURB ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
CMT-800	<b>3020</b>	\$74.66

**GOMACO [ GOMA ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
GT-6000-(78&90)	<b>3040</b>	\$83.73
COMMANDER II	<b>3045</b>	\$95.49
COMMANDER III	<b>3050</b>	\$132.09

**MILLER FORMLESS [ MILL ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
M-7500	<b>3063</b>	\$98.16
M-8100	<b>3065</b>	\$138.19
M-8800	<b>3067</b>	\$173.81

**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.

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	1	<b>000-001</b>	\$0.87
1	3	<b>001-003</b>	\$2.02
3	7.5	<b>003-008</b>	\$4.17
7.5	15	<b>008-015</b>	\$9.34
15	25	<b>015-025</b>	\$14.65
25	50	<b>025-050</b>	\$14.86
50	100	<b>050-100</b>	\$26.67
100	200	<b>100-200</b>	\$53.72
200	300	<b>200-300</b>	\$91.30
300	400	<b>300-400</b>	\$124.52
400	500	<b>400-500</b>	\$156.06

**LIGHTS [ LITE ]**

Includes trailer, pole and generator.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2 Light Set	<b>2 LIGHT</b>	\$4.25
4 Light Set	<b>4 LIGHT</b>	\$8.66

**ELECTRIC POWERED HAND TOOLS [ ELTOL ]**

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
450	600	<b>045-060</b>	\$0.32
600	800	<b>060-080</b>	\$0.43
800	1000	<b>080-100</b>	\$0.54

**FORK LIFT TRUCKS [ FKLFT ]**

**DELAY FACTOR = 0.22 OVERTIME FACTOR = 0.79**

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

**FORK LIFT TRUCKS [ FLT ]**

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
454 (1000)	1814 (4000)	<b>010-040</b>	\$29.85
1814 (4000)	2722 (6000)	<b>040-060</b>	\$39.74
2722 (6000)	3629 (8000)	<b>060-080</b>	\$44.83
3629 (8000)	5443 (12000)	<b>080-120</b>	\$61.98
5443 (12000)	7258 (16000)	<b>120-160</b>	\$65.33
7258 (16000)	9072 (20000)	<b>160-200</b>	\$76.60
9072 (20000)	11340 (25000)	<b>200-250</b>	\$75.95
11340 (25000)	13608 (30000)	<b>250-300</b>	\$83.71
13608 (30000)	18144 (40000)	<b>300-400</b>	\$106.92
18144 (40000)	22680 (50000)	<b>400-500</b>	\$128.62
22680 (50000)	34020 (75000)	<b>500-750</b>	\$175.66

**GRADERS [ GRADR ]**

**DELAY FACTOR = 0.12 OVERTIME FACTOR = 0.90**

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

**BLADE-MOR [ BMOR ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
727	<b>2173</b>	\$26.28
747	<b>2178</b>	\$37.89

**CATERPILLAR [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
120G 87V serial	<b>2685</b>	\$71.11
130G 74V serial	<b>2695</b>	\$78.76
12E 99E serial	<b>2710</b>	\$50.24
12F 73G serial	<b>2768</b>	\$76.10
12F 13K serial	<b>2826</b>	\$58.68
12F 89H serial	<b>2884</b>	\$59.17
12G 61M serial	<b>2890</b>	\$80.53
12H	<b>2895</b>	\$92.40
14E 72G serial	<b>3174</b>	\$78.33
14G	<b>3180</b>	\$119.99
14H	<b>3185</b>	\$132.34
140 14U serial	<b>3250</b>	\$79.37
140G 72V serial	<b>3260</b>	\$87.13
140H	<b>3265</b>	\$93.13
143H	<b>3267</b>	\$104.09
16 49G serial	<b>3290</b>	\$102.24
16 49G800 serial	<b>3348</b>	\$149.61
16 G93U serial	<b>3360</b>	\$166.92
16H	<b>3380</b>	\$176.80

160H 3385 \$109.54  
 163H 3390 \$115.19

**JOHN DEERE [ DEER ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD-570A	3890	\$46.87
JD-570B	3892	\$54.40
JD-670	3900	\$60.93
JD-670A	3905	\$66.98
JD-670CH	3907	\$86.98
JD-770	3910	\$69.26
JD-770A, 770A-H	3915	\$81.16
JD-770B	3916	\$88.46
JD-772CH	3930	\$105.78

**GALION [ GALN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
A-400E	4940	\$65.60
T-400A	4980	\$62.96
T-500C	5150	\$73.00
T-500L	5204	\$72.50
T-500M	5210	\$75.05

**KOMATSU [ KOMA ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
GD 505A-2	8980	\$68.55
GD 515A-1	8986	\$71.12
GD 605A-2	9000	\$75.67
GD 615A-1	9005	\$82.45
GD 625A-1C	9007	\$106.40
GD 655A-2	9010	\$84.10

<b>HAMMERS, DEMOLITION &amp; PILE [ HAMMR ]</b>
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**DELAY FACTOR = 0.23      OVERTIME FACTOR = 0.80**  
 Includes attachments, accessories and power unit. Does not include carrier.

**ABI [ ABI ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
HVR-60	0100	\$38.36

**AMERICAN PILE DRIVING [ APE ]**

**EQUIPMENT**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
150	0010	\$163.97
180	0050	\$225.85
200/500	0060	\$251.89
300 VIBRO	0075	\$280.18
400B VIBRO	0085	\$449.51

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
800	0300	\$57.49
HYRAM 720	0310	\$6.38
HYRAM 725	0320	\$12.24
HYRAM 730	0330	\$14.72
HYRAM 740	0340	\$21.03
HYRAM 750	0350	\$23.20
HYRAM 77	0360	\$9.53
HYRAM 770	0370	\$23.13
HYRAM 780	0380	\$38.03
HYRAM 790	0390	\$49.26
HYRAM 88	0400	\$16.01

**DELMAG [ DELM ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
D-12	0500	\$24.77
D-16	0510	\$36.55
D-22	0520	\$58.11
D-30	0530	\$42.98
D-30-32	0540	\$63.20
D-36-32	0560	\$82.21
D46-32	0570	\$97.26
D62-22	0580	\$158.51
D100-13	0590	\$250.83

**FOSTER [ FOST ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
1700	0600	\$138.90
4030	0630	\$194.80
FNV-1800	0660	\$115.97
FNV-4150	0693	\$249.54

**HYDRAULIC POWER SYS [ HPSI ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
150	0420	\$97.90
260	0430	\$155.01
300	0440	\$186.10

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
44-50	0450	\$234.81
216	0460	\$84.37
416L	0470	\$140.26
812	0480	\$220.45

**KENT [ KENT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
KHB10G	0700	\$19.88
KHB 15G	0710	\$30.73
KHB 30G	0750	\$31.48
KHB 40G	0760	\$54.36

<b>NPK</b>	[ <b>NPK</b> ]		<b>TUNKER</b>	[ <b>TUNK</b> ]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<u>Model</u>	<u>Code</u>	<u>Rate</u>
4XE	<b>0795</b>	\$17.20	40.01	<b>1400</b>	\$174.89
6XA	<b>0800</b>	\$13.73	40.05	<b>1450</b>	\$174.89
H-10XB	<b>0810</b>	\$37.34	60.05	<b>1460</b>	\$154.09
H-12X	<b>0815</b>	\$38.06			
H-16X	<b>0820</b>	\$33.14	<b>VULCAN</b>	[ <b>VULC</b> ]	
H-20X	<b>0840</b>	\$36.72	<u>Model</u>	<u>Code</u>	<u>Rate</u>
H4X,HXA	<b>0860</b>	\$11.69	1	<b>1500</b>	\$27.15
H7X	<b>0880</b>	\$14.67	010	<b>1520</b>	\$39.25
			100C	<b>1540</b>	\$41.43
<b>OKADA</b>	[ <b>OKAD</b> ]		2300	<b>1560</b>	\$149.88
<u>Model</u>	<u>Code</u>	<u>Rate</u>	80C	<b>1580</b>	\$31.97
UB-5	<b>0900</b>	\$8.17	<b>HYDRAULIC CRANES &amp; EXCAVATORS, [ HCECL ] CRAWLER MOUNTED</b>		
UB-8	<b>0950</b>	\$16.09	<b>DELAY FACTOR = 0.18</b>	<b>OVERTIME FACTOR = 0.84</b>	
<b>RAMMER</b>	[ <b>RAMR</b> ]		Includes all attachments and accessories required for lifting or digging. Pavement breaker or compactor attachments are not included.		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<b>BANTAM</b>	[ <b>BANT</b> ]	
S-84	<b>1000</b>	\$32.81	<u>Model</u>	<u>Code</u>	<u>Rate</u>
S-86	<b>1050</b>	\$35.48	C 266	<b>0680</b>	\$85.87
<b>STANLEY</b>	[ <b>STAN</b> ]		C 366	<b>0690</b>	\$99.36
<u>Model</u>	<u>Code</u>	<u>Rate</u>	C 744	<b>1075</b>	\$64.78
MB250	<b>1100</b>	\$6.47	<b>CASE</b>	[ <b>CASE</b> ]	
MB2900	<b>1120</b>	\$24.78	<u>Model</u>	<u>Code</u>	<u>Rate</u>
MB4900	<b>1140</b>	\$43.99	9030B	<b>0100B</b>	\$97.81
MB550	<b>1160</b>	\$10.21	9040	<b>0110</b>	\$98.68
MB800	<b>1180</b>	\$15.10	9060B	<b>0120B</b>	\$205.25
<b>TELEDYNE</b>	[ <b>TELD</b> ]		40E E-Boom	<b>1600</b>	\$78.86
<u>Model</u>	<u>Code</u>	<u>Rate</u>	40E Y-Boom	<b>1601</b>	\$79.24
950X	<b>1190</b>	\$35.99	50E	<b>1602</b>	\$99.81
TB1025	<b>1195</b>	\$39.64	125B	<b>1602H</b>	\$80.53
TB1425X	<b>1200</b>	\$36.12	170C	<b>1602N</b>	\$112.43
TB2225X	<b>1220</b>	\$67.47	220B	<b>1602R</b>	\$143.74
TB425	<b>1240</b>	\$14.70	880B Y-Boom	<b>1609</b>	\$56.29
TB825X	<b>1260</b>	\$25.27	980B	<b>1615</b>	\$87.19
<b>TRAMAC</b>	[ <b>TRMC</b> ]		1080	<b>1615E</b>	\$76.58
<u>Model</u>	<u>Code</u>	<u>Rate</u>	1080B	<b>1615J</b>	\$78.16
BRH1100	<b>1300</b>	\$38.71	1280	<b>1616</b>	\$104.54
BRH125	<b>1310</b>	\$12.01	1280B	<b>1616E</b>	\$98.54
BRH250	<b>1320</b>	\$13.36	<b>CATERPILLAR</b>	[ <b>CAT</b> ]	
BRH400	<b>1330</b>	\$12.68	<u>Model</u>	<u>Code</u>	<u>Rate</u>
BRH620	<b>1340</b>	\$25.64	304 CR	<b>0200</b>	\$31.61
BRH750	<b>1350</b>	\$22.76	305C CR	<b>0250</b>	\$42.83
BRV950	<b>1360</b>	\$23.95	308E2 CR SB	<b>0270</b>	\$48.77
			312	<b>0300</b>	\$51.16
			312C	<b>0300C</b>	\$62.05
			312CL	<b>0300CL</b>	\$62.24



314CL CR	<b>0302CLR</b>	\$63.19	E 300	<b>1657</b>	\$112.23
315L	<b>0305</b>	\$61.88	E 300B	<b>1657B</b>	\$124.53
320	<b>0310</b>	\$81.43	EL 300	<b>1658</b>	\$114.09
320BL	<b>0312</b>	\$85.68	EL 300B	<b>1658B</b>	\$126.53
320C	<b>0312C</b>	\$96.87	CATERPILLAR	<b>308DCR</b>	\$43.37
320CL	<b>0312CL</b>	\$109.26	CATERPILLAR	<b>336EL</b>	\$186.97
320L	<b>0315</b>	\$82.85	CATERPILLAR	<b>336F</b>	\$186.94
321C LCR	<b>0320R</b>	\$118.45	<b>JOHN DEERE</b>	<b>[ DEER ]</b>	
321D LCR	<b>0321R</b>	\$116.62	<u>Model</u>	<u>Code</u>	<u>Rate</u>
322L	<b>0325</b>	\$101.53	225D LC	<b>1575D</b>	\$109.51
325	<b>0330</b>	\$107.45	330C LC	<b>1600C</b>	\$157.11
325BL	<b>0335</b>	\$125.60	450LC	<b>1645</b>	\$191.94
325L	<b>0340</b>	\$112.03	490	<b>1660</b>	\$42.79
328D LCR	<b>0343DR</b>	\$144.75	490E	<b>1660E</b>	\$54.14
330BL	<b>0345</b>	\$154.07	690A	<b>1685</b>	\$60.15
330CL	<b>0345CL</b>	\$167.40	690B	<b>1695</b>	\$73.34
330D L	<b>0345DL</b>	\$198.59	690C	<b>1697</b>	\$67.69
330L	<b>0350</b>	\$141.61	690D	<b>1697D</b>	\$70.74
345BL	<b>0355</b>	\$198.24	690E LC	<b>1697ELC</b>	\$81.24
350L	<b>0360</b>	\$210.12	790	<b>1698</b>	\$85.21
375L	<b>0365</b>	\$332.19	790D	<b>1698D</b>	\$90.57
205	<b>1617</b>	\$34.92	790E LC	<b>1698ELC</b>	\$99.28
211	<b>1617E</b>	\$52.10	792	<b>1699</b>	\$100.76
213	<b>1617H</b>	\$57.30	890	<b>1700</b>	\$136.29
215	<b>1618</b>	\$57.92	890A	<b>1705</b>	\$124.14
215B LC	<b>1619E</b>	\$65.04	892D LC	<b>1708</b>	\$115.39
215C	<b>1619F</b>	\$71.63	990	<b>1720</b>	\$148.14
215D	<b>1619G</b>	\$79.43	992D LC	<b>1722</b>	\$166.99
225	<b>1620</b>	\$82.70	30	<b>1725</b>	\$20.46
225LC	<b>1621</b>	\$83.22	50	<b>1730</b>	\$32.67
225D LC	<b>1622</b>	\$104.29	70	<b>1735</b>	\$29.96
227	<b>1623</b>	\$86.20	200LC	<b>1745</b>	\$92.93
229	<b>1625</b>	\$112.12	<b>DROTT</b>	<b>[ DROT ]</b>	
231D	<b>1630</b>	\$127.94	<u>Model</u>	<u>Code</u>	<u>Rate</u>
231DLC	<b>1635</b>	\$129.48	35D E boom	<b>1835</b>	\$59.65
235	<b>1640</b>	\$131.74	35D Y boom	<b>1845</b>	\$60.06
235B	<b>1642</b>	\$146.51	40D E boom	<b>1930</b>	\$75.28
235 Front Shovel	<b>1645</b>	\$141.30	40D Y boom	<b>1965</b>	\$80.29
235B Front Shovel	<b>1647</b>	\$157.33	50D	<b>2005</b>	\$97.43
235C	<b>1648</b>	\$166.90	<b>FIAT-ALLIS</b>	<b>[ F-A ]</b>	
235DLC	<b>1649</b>	\$172.62	<u>Model</u>	<u>Code</u>	<u>Rate</u>
245	<b>1650</b>	\$221.83	FE 18	<b>9000</b>	\$53.55
245B	<b>1650B</b>	\$244.58	FE 20 HD	<b>9010</b>	\$67.56
245 Front Shovel	<b>1652</b>	\$233.34	FE 20 LC	<b>9020</b>	\$63.79
245B Front Shovel	<b>1652B</b>	\$259.66	FE 28	<b>9030</b>	\$89.81
E 180	<b>1653</b>	\$69.61	FE 40 L	<b>9040</b>	\$153.76
EL 180	<b>1654</b>	\$70.72			
EL 200B	<b>1654E</b>	\$75.40			
E 240	<b>1655</b>	\$89.43			
EL 240	<b>1656</b>	\$90.87			



PC 280 LC-3	<b>9517</b>	\$105.27	<b>MASSEY FERGUSON</b>	[ <b>M-F</b> ]	
PC 300 LC-1, LC-2	<b>9520</b>	\$103.91	<u>Model</u>	<u>Code</u>	<u>Rate</u>
PC 300 LC-3	<b>9525</b>	\$123.66	MF 450D	<b>6245</b>	\$44.48
PC 300 LC-5	<b>9526</b>	\$140.12	MF 450S	<b>6250</b>	\$47.81
PC 300 LC-6	<b>9526A</b>	\$152.41	<b>MITSUBISHI</b>	[ <b>MIT</b> ]	
PC 360 LC-3	<b>9527</b>	\$140.91	<u>Model</u>	<u>Code</u>	<u>Rate</u>
PC 400 LC-1	<b>9530</b>	\$140.86	MS 090	<b>6290</b>	\$31.60
PC 400 LC-3	<b>9535</b>	\$165.06	MS 180-3	<b>6295</b>	\$60.38
PC 400 LC-5	<b>9536</b>	\$184.44	MS 180 LC-8	<b>6296</b>	\$68.30
PC 400 LC-6	<b>9537</b>	\$207.97	MS 230 LC-3	<b>6300</b>	\$78.72
PC 600 LC-6	<b>9539</b>	\$288.51	MS 240 LC-8	<b>6305</b>	\$85.12
PC 650-1	<b>9540</b>	\$257.55	MS 280-2	<b>6310</b>	\$96.42
PC 650-1 Front Shovel	<b>9550</b>	\$272.00	MS 380-2	<b>6320</b>	\$135.15
PC 650-3	<b>9552</b>	\$272.95	MS 450-8	<b>6330</b>	\$156.04
PC 750-6	<b>9555</b>	\$347.81	<b>NORTHWEST</b>	[ <b>NW</b> ]	
PC 1000-1	<b>9560</b>	\$414.30	<u>Model</u>	<u>Code</u>	<u>Rate</u>
PC 1000 LC-1	<b>9565</b>	\$426.59	35 DH	<b>6335</b>	\$122.23
PC 1100 LC-6	<b>9575LC</b>	\$477.86	45 DH	<b>6340</b>	\$133.35
<b>LINK-BELT</b>	[ <b>L-B</b> ]		55 DH	<b>6345</b>	\$141.09
<u>Model</u>	<u>Code</u>	<u>Rate</u>	55 DH Series II	<b>6360</b>	\$241.62
LS 1600	<b>5390</b>	\$33.00	<b>P&amp;H</b>	[ <b>P&amp;H</b> ]	
LS 2650	<b>5395</b>	\$45.99	<u>Model</u>	<u>Code</u>	<u>Rate</u>
LS 2700C II	<b>5398</b>	\$62.20	H 750	<b>6628</b>	\$58.26
2700 QUANTUM	<b>5399</b>	\$68.52	H 1250	<b>6630</b>	\$98.05
LS 2800	<b>5400</b>	\$54.06	H 1750	<b>6635</b>	\$121.61
LS 2800A	<b>5402</b>	\$62.23	H 2500	<b>6645</b>	\$156.00
LS 2800A PL	<b>5404</b>	\$54.00	HS 2500	<b>6650</b>	\$160.71
LS 2800 PL	<b>5405</b>	\$51.22	<b>TAKEUCHI</b>	[ <b>TAKU</b> ]	
LS 2800B	<b>5410</b>	\$68.21	<u>Model</u>	<u>Code</u>	<u>Rate</u>
LS 3400	<b>5475</b>	\$90.32	TB 15	<b>7686</b>	\$13.45
LS 3400C II	<b>5477</b>	\$96.08	TB 025	<b>7686A</b>	\$22.73
LS 4300	<b>5660</b>	\$113.95	TB 045	<b>7686E</b>	\$37.62
LS 4300C II	<b>5662</b>	\$125.46	TB 070	<b>7686H</b>	\$38.49
LS 4800	<b>5750</b>	\$131.13	TB 10S	<b>7688</b>	\$10.74
LS 4800 PL	<b>5755</b>	\$117.90	TB 35S	<b>7690</b>	\$21.34
LS 5400	<b>5805</b>	\$152.47	TB 68S	<b>7692</b>	\$30.87
LS 5800	<b>5810</b>	\$158.60	TB 800	<b>7695</b>	\$15.03
LS 5800A	<b>5812</b>	\$167.29			
LS 5800C II	<b>5814</b>	\$174.94			
LS 6400	<b>5820</b>	\$234.71			
LS 7400	<b>5830</b>	\$233.72			
LS 7400A	<b>5840</b>	\$284.50			

**HYDRAULIC CRANES & EXCAVATORS, [ HCESP ]  
SELF PROPELLED.**

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

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

<b>BUCYRUS-ERIE</b>			[ <b>B-E</b> ]
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
300C/SP	<b>1670</b>	\$70.47	
320C	<b>1672</b>	\$70.65	
360C	<b>1678</b>	\$70.99	

<b>BADGER</b>			[ <b>BAGR</b> ]
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
4425/30	<b>1565</b>	\$94.92	
4435	<b>1570</b>	\$105.23	
4435B	<b>1573</b>	\$106.51	
4435C	<b>1573C</b>	\$115.70	
4445	<b>1574</b>	\$144.99	
4450	<b>1575</b>	\$111.91	
4450B	<b>1577</b>	\$118.45	
4455	<b>1579</b>	\$145.71	

<b>CASE</b>			[ <b>CASE</b> ]
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
40E E-Boom, Cruz Air	<b>1685</b>	\$60.61	
40E Y-Boom, Cruz Air	<b>1687</b>	\$60.83	
40F E-Boom, Cruz Air	<b>1687H</b>	\$62.85	
40F Y-Boom, Cruz Air	<b>1687K</b>	\$63.67	
45 E-Boom, Cruz Air	<b>1688</b>	\$78.48	
45 Y-Boom, Cruz Air	<b>1689</b>	\$83.21	
45B E-Boom, Cruz Air	<b>1689H</b>	\$82.94	
45B Y-Boom, Cruz Air	<b>1689K</b>	\$83.68	
880R E-Boom	<b>1690</b>	\$54.61	
880R Y-Boom	<b>1695</b>	\$54.74	
1085 E-Boom, Cruz Air	<b>1696E</b>	\$62.71	
1085 Y-Boom, Cruz Air	<b>1696Y</b>	\$63.01	
1085B Y-Boom, Cruz Air	<b>1696Z</b>	\$70.56	
1285 E-Boom, Cruz Air	<b>1697E</b>	\$79.26	
1285 Y-Boom, Cruz Air	<b>1697Y</b>	\$79.41	
3330 Low Profile	<b>1698E</b>	\$32.37	
3330B	<b>1698H</b>	\$32.62	

<b>CATERPILLAR</b>			[ <b>CAT</b> ]
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
206	<b>1699</b>	\$43.61	
212	<b>1699E</b>	\$55.85	
214	<b>1699H</b>	\$60.34	
224	<b>1699J</b>	\$74.28	

<b>GRADALL</b>			[ <b>GRAD</b> ]
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
G 3WD, 4x4	<b>0110</b>	\$91.24	

<b>GROVE</b>			[ <b>GROV</b> ]
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
24	<b>3820</b>	\$34.62	
36	<b>3830</b>	\$56.67	
68	<b>3850</b>	\$65.37	
1012	<b>3870</b>	\$78.25	
2535	<b>3880</b>	\$103.02	
RT-48	<b>4030</b>	\$59.82	
RT-49	<b>4115</b>	\$60.10	
RT-58	<b>4285</b>	\$61.33	
RT-418	<b>4354</b>	\$75.28	
RT-420	<b>4356</b>	\$75.28	
RT-422	<b>4358</b>	\$75.28	
RT-500D	<b>4359</b>	\$103.92	
RT-525	<b>4360</b>	\$70.53	
RT-525B	<b>4362</b>	\$73.40	
RT-525C	<b>4363</b>	\$90.30	
RT-527.5	<b>4365</b>	\$71.37	
RT-528B	<b>4370</b>	\$73.40	
RT-528C	<b>4372</b>	\$90.79	
RT-60	<b>4520</b>	\$71.39	
RT-60S	<b>4540</b>	\$73.31	
RT-515	<b>4606</b>	\$70.37	
RT-518	<b>4607</b>	\$72.29	
RT-520	<b>4608</b>	\$73.80	
RT-522	<b>4609</b>	\$73.05	
RT-522C	<b>4609G</b>	\$88.53	
RT-625	<b>4630</b>	\$79.57	
RT-630	<b>4635</b>	\$79.57	
RT-630B	<b>4637</b>	\$85.12	
RT-635	<b>4640</b>	\$90.57	
RT-65 S	<b>4700</b>	\$95.61	
RT-740	<b>4710</b>	\$106.67	
RT-745	<b>4715</b>	\$134.99	
RT-75 S	<b>4720</b>	\$101.57	
RT-755	<b>4725</b>	\$114.76	
RT-760	<b>4727</b>	\$165.13	
RT-865	<b>4730</b>	\$141.65	
RT-865B	<b>4732</b>	\$193.52	
RT-875	<b>4735</b>	\$174.42	
RT-980	<b>4750</b>	\$169.12	
RT-990	<b>4760</b>	\$195.23	
RT-9100	<b>4790</b>	\$249.08	

**KOMATSU****[ KOMA ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
PW 210-1	<b>9580</b>	\$100.25

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
HSP 15	<b>5500</b>	\$68.42
HSP 18	<b>5505</b>	\$68.42
HSP 20	<b>5510</b>	\$74.40
HSP 22	<b>5530</b>	\$75.80
HSP 25	<b>5535</b>	\$80.62
HSP 8015	<b>5538</b>	\$79.05
HSP 8018	<b>5538E</b>	\$79.05
HSP 8018XL	<b>5538G</b>	\$96.22
HSP 8018C	<b>5538H</b>	\$72.06
HSP 8025	<b>5538P</b>	\$82.64
HSP 8025 S	<b>5538PF</b>	\$83.67
HSP 8030	<b>5538Q</b>	\$94.69
HSP 8035	<b>5538R</b>	\$137.78
HSP 8040	<b>5538S</b>	\$137.92
HSP 8050	<b>5538T</b>	\$140.06
HSP 8055	<b>5538V</b>	\$126.18
HSP 8060	<b>5539</b>	\$153.67

**LORAIN****[ LORN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
LRT 15H	<b>5730</b>	\$69.83
LRT 15U	<b>5735</b>	\$71.09
LRT 18U	<b>5740</b>	\$71.56
LRT 35U	<b>5745</b>	\$104.34
LRT 40U	<b>5750</b>	\$105.13
LRT 150	<b>5755</b>	\$69.11
LRT 150D	<b>5756</b>	\$84.46
LRT 180	<b>5760</b>	\$69.08
LRT 180D	<b>5760D</b>	\$84.46
LRT 200	<b>5765</b>	\$68.89
LRT 200D	<b>5765D</b>	\$84.63
LRT 220	<b>5767</b>	\$71.34
LRT 230	<b>5768</b>	\$75.73
LRT 230D	<b>5768D</b>	\$84.65
LRT 250	<b>5769</b>	\$75.76
LRT 250D	<b>5769D</b>	\$84.65
LRT 275	<b>5770</b>	\$75.76
LRT 275D	<b>5770D</b>	\$84.65
LRT 330	<b>5772</b>	\$97.66
LRT 400	<b>5773</b>	\$111.93
LRT 450	<b>5774</b>	\$115.08
LRT 500	<b>5775</b>	\$118.11
LRT 550	<b>5790</b>	\$123.38

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
OMEGA 14	<b>5790</b>	\$65.41
OMEGA 15	<b>5792</b>	\$65.41
OMEGA 18	<b>5794</b>	\$65.84
OMEGA 25	<b>5795</b>	\$87.83
OMEGA 20	<b>5796</b>	\$66.52
OMEGA 23	<b>5796E</b>	\$69.27
OMEGA 30	<b>5796J</b>	\$90.26
OMEGA 35	<b>5796P</b>	\$91.22
OMEGA 40	<b>5797</b>	\$122.87
OMEGA 45	<b>5797E</b>	\$124.59
OMEGA 50	<b>5797J</b>	\$125.97
OMEGA 60	<b>5798</b>	\$129.96
OMEGA 65	<b>5799</b>	\$152.87
OMEGA 114	<b>5799C</b>	\$74.36
OMEGA 114D	<b>5799G</b>	\$72.41
OMEGA 118	<b>5799Q</b>	\$75.87
OMEGA 118D	<b>5799S</b>	\$72.55
OMEGA 120	<b>5799U</b>	\$77.51
OMEGA 120D	<b>5799W</b>	\$73.26
OMEGA 122	<b>5799X</b>	\$78.50
OMEGA 122D	<b>5799Y</b>	\$73.84
OMEGA 125	<b>5799Z</b>	\$78.88
OMEGA 128	<b>5799ZA</b>	\$77.37
R 150	<b>5890</b>	\$55.84
R 150-1	<b>5910</b>	\$55.35
R 180	<b>5975</b>	\$56.17
R 200	<b>6060</b>	\$56.49
OMEGA S-15	<b>6062</b>	\$90.54
OMEGA S-18	<b>6063</b>	\$90.54
OMEGA S-20	<b>6064</b>	\$93.11
S-35	<b>6064E</b>	\$127.77

**PETTIBONE****[ PET ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
16 MK P Series	<b>6500</b>	\$60.85
20 MK P Series	<b>6580</b>	\$61.48
25	<b>6740</b>	\$57.58
25 MK P Series	<b>6750</b>	\$62.26
29 MK P Series	<b>6880</b>	\$63.30
30	<b>6900</b>	\$57.58
30 MK P Series	<b>6903</b>	\$64.29
30 SC, 30 SC P Series	<b>6910</b>	\$89.54
60 SC	<b>6990</b>	\$95.63
60 SC P Series	<b>6995</b>	\$102.09
70	<b>7100</b>	\$101.28
70 SC	<b>7165</b>	\$101.57
70 SC P Series	<b>7170</b>	\$107.61
80 MK P Series	<b>7250</b>	\$100.09

80 SC P Series 7260 \$101.49

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MC 5A	8005	\$36.68
MC 50B	8175	\$58.29
MC 50C	8260	\$59.62

<b>HYDRAULIC CRANES &amp; EXCAVATORS, TRUCK MTD. W/ CARRIER</b>	<b>[ HCETD ]</b>
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**DELAY FACTOR = 0.13 OVERTIME FACTOR = 0.89**

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

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
25 XC	1360	\$85.38
30 XC	1370	\$86.02
40 C	1475	\$77.44
60 XC	1590	\$138.42
65 C	1592	\$119.55
90 XC	1600	\$149.84

**BADGER [ BAGR ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
300 Hydro-Scopic	0550	\$58.71
460 Hydro-Scopic	0555	\$71.93
666 Hydro-Scopic	0560	\$106.34
888 Hydro-Scopic	0600	\$111.99

**BANTAM [ BANT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
T 744 Teleskoop	1285	\$69.06
T 888	1310	\$100.40
T 888B	1315	\$117.10

**DEVAULT [ DVUT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TK 15-10	1900	\$51.35

**GRADALL [ GRAD ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
G 3W	0120	\$71.74
G 660	0170	\$69.60
G 660B	0180	\$90.55
G 660C	0190	\$87.78
G 800	0210	\$60.67
G 880B	0220	\$98.84
G 880C	0230	\$95.58
G 1000	0240	\$105.25

**GROVE [ GROV ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TD 520	2221	\$106.01
TD 522	2223	\$106.01
TD 525	2224	\$106.91
TMS 250	2850	\$99.58
TMS 250A	2860	\$100.06
TMS 250B	2870	\$100.06
TMS 250C	2875	\$137.67
TMS 300	2922	\$119.01
TMS 300B	2923	\$136.36
TMS 760	3180	\$208.87
TMS 865	3378	\$156.38
TM 875	3380	\$180.82
TMS 875	3385	\$181.69
TM 890	3387	\$197.42
TM 1075	3390	\$163.61

**HIAB [ HIAB ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
100 AW	3850	\$46.63
1165	3852	\$43.66
170 thru 174	3854	\$42.17
175 thru 177	3855	\$42.32
550, 5501	3857	\$45.01
650	3859	\$45.92

**KOEHRING [ KOEH ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4460 Teleskoop	4400	\$69.66
4465 Teleskoop	4405	\$70.87
4470 Teleskoop	4410	\$82.39
4475 Teleskoop	4415	\$83.58

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
HTC 14	4505	\$97.16
HTC 25	4507	\$97.16
HTC 35	4509	\$106.95
HTC 50	4510	\$141.74
HTC 50W	4520	\$136.33
HTC 814	4530	\$127.44
HTC 814XL	4531	\$132.42
HTC 822 S	4532	\$119.12
HTC 825	4535	\$111.38
HTC 825 S	4536	\$120.18
HTC 830	4537	\$129.37
HTC 835	4539	\$136.32
HTC 835XL	4539C	\$154.10
HTC 840	4539E	\$157.55
HTC 850	4539G	\$162.65

HTC 855	<b>4539H</b>	\$143.08	T-300A	<b>5665</b>	\$114.96
HTC 860	<b>4539J</b>	\$165.39	OMEGA T-400	<b>5666M</b>	\$141.32
HTC 1040	<b>4540</b>	\$155.19	OMEGA T-450	<b>5669</b>	\$143.02
HTC 1050	<b>4545</b>	\$157.49	T-600 XL	<b>5670</b>	\$165.19
HTC 1055	<b>4550</b>	\$146.76	OMEGA T-500	<b>5680</b>	\$143.01
HTC 1060	<b>4555</b>	\$162.12	OMEGA T-650	<b>5745</b>	\$193.19
HTC 11100	<b>4600</b>	\$284.33	T-750	<b>5780</b>	\$135.41

<b>LORAIN</b>	<b>[ LORN ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
MCH 140	<b>4942</b>	\$113.73
MCH 150	<b>4946</b>	\$106.47
MCH 180	<b>4947</b>	\$106.47
MCH 300	<b>4953</b>	\$124.34
MCH 350	<b>4955</b>	\$99.47
MCH 400	<b>4957</b>	\$135.90
MCH 500	<b>4960</b>	\$108.62

<b>PITMAN</b>	<b>[ PIT ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
Hydralift HL 40 thru 95	<b>6670</b>	\$42.56
Hydralift HL 100 thru 170	<b>6675</b>	\$45.81
HL 857	<b>6685</b>	\$50.78
HL 1200, 1545-T2 or 1580	<b>6695</b>	\$53.13
POLECAT	<b>6697</b>	\$53.92
PELICAN	<b>6699</b>	\$56.78

<b>MANITEX</b>	<b>[ MANX ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
1161	<b>4980</b>	\$49.80
1770	<b>4985</b>	\$82.15
2284	<b>4990</b>	\$84.90
2592	<b>4995</b>	\$86.82

<b>R.O. PRODUCTS</b>	<b>[ ROP ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
TC-40	<b>6860</b>	\$43.52
TC-50	<b>6862</b>	\$45.09
TC-70	<b>6864</b>	\$46.46
TC-80	<b>6866</b>	\$46.53
TC-85	<b>6868</b>	\$46.05
TC-110	<b>6870</b>	\$50.08
TC-120	<b>6872</b>	\$50.67
TC-125	<b>6874</b>	\$50.33
TC-145	<b>6876</b>	\$53.27
TC-150	<b>6878</b>	\$51.65

<b>NATIONAL</b>	<b>[ NATL ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
Ser 4/400, 11.3 m (37') boom	<b>4983</b>	\$46.46
Ser 4/400, 14.0 m (46') boom	<b>4984</b>	\$46.66
Ser 4/400, 16.8 m (55') boom	<b>4985</b>	\$46.83
Ser 5/500A/B, 14.3 m (47') boom	<b>4986</b>	\$51.65
Ser 5/500A/B, 17.1 m (56') boom	<b>4987</b>	\$52.25
Ser 6/600, 14.3 m (47') boom	<b>4989</b>	\$51.19
Ser 6/600, 17.1 m (56') boom	<b>4990</b>	\$51.55
856	<b>4995</b>	\$52.05
856B	<b>4996</b>	\$51.22
875	<b>4997</b>	\$52.79
875B	<b>4998</b>	\$54.21
Series 85	<b>4999</b>	\$48.00

<b>HYDRAULIC CRANES &amp; EXCAVATORS, [ HCETG ] TRUCK MTD. LESS CARRIER.</b>
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**DELAY FACTOR = 0.10                      OVERTIME FACTOR = 0.91**  
Includes all lifting and digging attachments and accessories. Truck/carrier to be paid separately. Pavement breaker or compactor attachments are not included.

<b>BUCYRUS-ERIE</b>	<b>[ B-E ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
H-3 series two	<b>1000</b>	\$42.09
H-5 series two	<b>1300</b>	\$49.64

<b>P&amp;H</b>	<b>[ P&amp;H ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
ALPHA 100 ton	<b>5000</b>	\$262.65
CN T-280	<b>5005</b>	\$141.96
T-150	<b>5290</b>	\$104.13
T-180	<b>5380</b>	\$104.57
T-200	<b>5470</b>	\$105.09
T-250	<b>5560</b>	\$122.46
CN T-250	<b>5561</b>	\$144.31
OMEGA T-250	<b>5570</b>	\$116.31
OMEGA T-300	<b>5580</b>	\$119.57
OMEGA T-350	<b>5585</b>	\$120.78

<b>GALION</b>	<b>[ GALN ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
125 P	<b>1970</b>	\$51.08
150 P	<b>1980</b>	\$61.68

<b>GROVE</b>	<b>[ GROV ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
TM 100C	<b>2020</b>	\$73.00
TM 200C	<b>2040</b>	\$58.87

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

**DELAY FACTOR = 0.22 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).

<b>BOOM TYPE</b>		<b>[ BOOM ]</b>	
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	7.6 (25)	<b>00-24</b>	\$16.04
7.6 (25)	15.2 (50)	<b>25-49</b>	\$37.89
15.2 (50)	22.9 (75)	<b>50-74</b>	\$53.10

<b>SCISSOR TYPE</b>		<b>[ SCIS ]</b>	
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	6.1 (20)	<b>00-20</b>	\$17.44
6.4 (21)	9.1 (30)	<b>21-30</b>	\$20.99
9.4 (31)	15.2 (50)	<b>31-50</b>	\$31.23

**LOADERS, CRAWLER [ LDRCL ]**

**DELAY FACTOR = 0.12 OVERTIME FACTOR = 0.90**

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

<b>CASE</b>		<b>[ CASE ]</b>	
<u>Model</u>		<u>Code</u>	<u>Rate</u>
350B		<b>2370</b>	\$34.85
450B		<b>2610</b>	\$31.98
455B		<b>2620</b>	\$33.74
455C		<b>2620A</b>	\$37.58
1155D		<b>3555</b>	\$65.40
1155E		<b>3556</b>	\$72.17
1450		<b>3560</b>	\$71.99
1450B		<b>3565</b>	\$79.81
1455B		<b>3568</b>	\$80.70

<b>CATERPILLAR</b>		<b>[ CAT ]</b>	
<u>Model</u>		<u>Code</u>	<u>Rate</u>
CATERPILLAR		<b>259D</b>	\$42.11
CATERPILLAR		<b>289D</b>	\$44.45
CATERPILLAR		<b>299D2</b>	\$55.12
931B		<b>3735</b>	\$36.00
931C		<b>3735C</b>	\$38.24
931 LGP		<b>3740</b>	\$33.92
931B LGP		<b>3745</b>	\$37.10
935B		<b>3845</b>	\$42.85
935C		<b>3845C</b>	\$45.50
939C		<b>3900</b>	\$64.77
943		<b>4130</b>	\$55.23
943 LGP		<b>4135</b>	\$52.09
951C 86J 1992 serial		<b>4200</b>	\$49.12
951C 86J 2598 serial		<b>4210</b>	\$54.50

951C LGP 86J 2598 ser	<b>4215</b>	\$55.34
953	<b>4220</b>	\$74.50
953 LGP	<b>4230</b>	\$69.57
955L 85J 6247 serial	<b>4675</b>	\$69.56
955L 85J 13X10129 ser	<b>4680</b>	\$75.43
955L LGP 85J 13X10129	<b>4685</b>	\$75.77
963	<b>4690</b>	\$102.84
963 LGP	<b>4693</b>	\$93.36
973	<b>4695</b>	\$158.33
973 LGP	<b>4698</b>	\$131.44
977K	<b>5014</b>	\$80.82
977K 11K serial	<b>5092</b>	\$85.06
977L 11K 3919 serial	<b>5170</b>	\$99.15
977L 11K 5083 serial	<b>5180</b>	\$108.33
977L 14X serial	<b>5185</b>	\$112.80
977L LGP	<b>5190</b>	\$112.46
983	<b>5248</b>	\$153.55
983B	<b>5265</b>	\$165.31

<b>JOHN DEERE</b>		<b>[ DEER ]</b>	
<u>Model</u>		<u>Code</u>	<u>Rate</u>
JD 350C		<b>5420</b>	\$36.85
JD 450C (4 speed PS)		<b>5805</b>	\$36.95
JD 455D		<b>5807</b>	\$38.89
JD 455E		<b>5809</b>	\$39.41
JD 455G		<b>5809A</b>	\$48.39
JD 555		<b>5810</b>	\$41.73
JD 555A		<b>5812</b>	\$46.09
JD 555B		<b>5814</b>	\$45.32
JD 555G		<b>5814A</b>	\$65.71
JD 655		<b>5815</b>	\$66.05
JD 655B		<b>5817</b>	\$76.12
JD 755		<b>5820</b>	\$62.12
JD 755A		<b>5822</b>	\$77.45
JD 755B		<b>5824</b>	\$87.84
JD 855		<b>5830</b>	\$117.21

<b>DRESSER</b>		<b>[ DRES ]</b>	
<u>Model</u>		<u>Code</u>	<u>Rate</u>
100E (PS)		<b>9000</b>	\$38.29
100G		<b>9005</b>	\$44.30
125E (PS)		<b>9010</b>	\$47.23
125G		<b>9015</b>	\$53.60
175C (PS)		<b>9020</b>	\$94.27
200		<b>9025</b>	\$108.96
250C (PS)		<b>9030</b>	\$110.94
250E (PS)		<b>9035</b>	\$127.83



**KOMATSU****[ KOMA ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
D 53S-16	<b>7878</b>	\$63.02
D 53S-17	<b>7878A</b>	\$75.69
D 55S-2	<b>7900</b>	\$64.56
D 55S-3	<b>7978</b>	\$64.56
D 57S-1	<b>8000</b>	\$87.54
D 65S-6	<b>8017</b>	\$84.90
D 66S-1	<b>8020</b>	\$118.30
D 75S-2	<b>8056</b>	\$92.09
D 75S-3	<b>8060</b>	\$114.91
D 75S-5	<b>8061</b>	\$168.48
D 155S-1	<b>8080</b>	\$224.70

**LOADERS, RUBBER TIRE****[ LDRRT ]****DELAY FACTOR = 0.12****OVERTIME FACTOR = 0.89**

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

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
710C	<b>0747</b>	\$35.64
714B	<b>0750</b>	\$34.74
714C w/ backhoe	<b>0752</b>	\$37.23
715B w/ backhoe	<b>0765</b>	\$36.64
715C w/ backhoe	<b>0767</b>	\$37.49

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
W-11	<b>1365</b>	\$33.34
W-11B	<b>1368</b>	\$40.63
W-18	<b>1444</b>	\$56.35
W-18 9213140 serial	<b>1450</b>	\$59.82
W-18B	<b>1460</b>	\$64.55
W-20	<b>1472</b>	\$59.94
W-20B	<b>1480</b>	\$60.71
W-20C	<b>1482</b>	\$65.34
W-30	<b>1565</b>	\$89.55
480B	<b>1636</b>	\$28.34
480B w/ backhoe	<b>1640</b>	\$29.63
480C	<b>1650</b>	\$36.60
480C w/ backhoe	<b>1660</b>	\$38.14
480D	<b>1662</b>	\$41.00
480D w/ backhoe	<b>1664</b>	\$42.92
480E w/ backhoe	<b>1666</b>	\$35.19
480E LL	<b>1667</b>	\$33.99
480F w/ backhoe	<b>1668</b>	\$36.48
480F LL	<b>1669</b>	\$34.74
480LL	<b>1677</b>	\$41.05
570L XT 4WD	<b>1690</b>	\$39.90

580B w/ backhoe	<b>1705</b>	\$37.20
580C	<b>1710</b>	\$29.66
580C w/ backhoe	<b>1715</b>	\$31.53
580D	<b>1717</b>	\$30.99
580D w/ backhoe	<b>1720</b>	\$33.45
580 Super D	<b>1725</b>	\$33.83
580 Super D w/ backhoe	<b>1727</b>	\$36.34
580 Super E	<b>1731</b>	\$34.78
580 Super E w/ backhoe	<b>1735</b>	\$37.48
580K w/ backhoe	<b>1739</b>	\$37.77
580K 4WD w/ backhoe	<b>1740</b>	\$38.84
580 Super K w/ backhoe	<b>1742</b>	\$41.73
580L w/ backhoe	<b>1743</b>	\$41.99
580 Super L 4WD w/ backhoe	<b>1744</b>	\$48.77
590 Turbo w/ backhoe	<b>1745</b>	\$51.01
590 Super L 4WD w/ backhoe	<b>1746</b>	\$53.40
621	<b>1750</b>	\$68.84
721	<b>1752</b>	\$83.62
821	<b>1754</b>	\$102.29
680E w/ backhoe	<b>1840</b>	\$47.90
680G w/ backhoe	<b>1850</b>	\$46.60
680H w/ backhoe	<b>1852</b>	\$49.45
680K w/ backhoe	<b>1854</b>	\$53.97
680L w/ backhoe	<b>1856</b>	\$54.69
680L 4WD w/ backhoe	<b>1857</b>	\$55.48
780 w/ backhoe	<b>1864</b>	\$61.45
780B w/ backhoe	<b>1866</b>	\$65.86
780C w/ backhoe	<b>1867</b>	\$67.03
780D w/ backhoe	<b>1868</b>	\$67.78
780D 4WD w/ backhoe	<b>1869</b>	\$69.15

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
416 w/ backhoe	<b>1860</b>	\$37.74
416 Series II w/ backhoe	<b>1860A</b>	\$37.96
416B 4WD w/ extend-a-hoe	<b>1861A</b>	\$46.74
416C 4WD w/ backhoe	<b>1861C</b>	\$48.44
416D w/ backhoe	<b>1861D</b>	\$43.66
416D 4WD w/ backhoe	<b>1861D4</b>	\$44.74
420D w/ backhoe	<b>1861M</b>	\$48.96
420D 4WD w/ backhoe	<b>1861M4</b>	\$50.05
420E	<b>1861N</b>	\$59.04
426 w/ backhoe	<b>1862</b>	\$42.66
426 Series II w/ backhoe	<b>1862A</b>	\$42.88
426C w/ backhoe	<b>1862C</b>	\$53.38
426C 4WD w/ backhoe	<b>1862C4</b>	\$54.78
428 w/ backhoe	<b>1864</b>	\$42.63
428 Series II w/ backhoe	<b>1864A</b>	\$42.86
430D	<b>1865D</b>	\$59.23
430E	<b>1865E</b>	\$62.66
436 w/ backhoe	<b>1866</b>	\$46.48

436 Series II w/ backhoe	<b>1866A</b>	\$46.66	IT 18B	<b>2475</b>	\$59.23
446 w/ backhoe	<b>1868</b>	\$60.13	IT 28	<b>2476</b>	\$63.41
446B w/ backhoe	<b>1868B</b>	\$66.43	IT 28B	<b>2477</b>	\$68.77
446D	<b>1868D</b>	\$68.91	IT 28F	<b>2477G</b>	\$79.65
450E	<b>1869E</b>	\$83.12	IT 28G	<b>2478</b>	\$82.85
910	<b>1870</b>	\$40.23	IT 38G	<b>2480</b>	\$95.43
910E	<b>1870E</b>	\$47.34	IT 62G	<b>2482</b>	\$131.27
916	<b>1885</b>	\$53.63	CATERPILLAR	<b>415F2</b>	\$48.07
920	<b>1894</b>	\$49.09	CATERPILLAR	<b>420F2</b>	\$69.55
926	<b>2065</b>	\$62.94	CATERPILLAR	<b>950M</b>	\$161.25
926E	<b>2067</b>	\$68.05	CATERPILLAR	<b>972M</b>	\$207.57
928G	<b>2070G</b>	\$81.45	<b>CLARK</b>	<b>[ CLRK ]</b>	
930 41K serial	<b>2088</b>	\$60.16	<u>Model</u>	<u>Code</u>	<u>Rate</u>
930G	<b>2088G</b>	\$96.60	35C	<b>2484</b>	\$50.14
936	<b>2100</b>	\$76.33	45C	<b>2486</b>	\$58.60
936E	<b>2110</b>	\$83.20	55C	<b>2488</b>	\$70.78
936F	<b>2120</b>	\$86.45	75C	<b>2491</b>	\$92.38
938F	<b>2130</b>	\$88.25	125B	<b>2492</b>	\$119.07
938G	<b>2130G</b>	\$99.78	275B	<b>2496</b>	\$206.68
950 90A serial	<b>2228</b>	\$64.76	275C	<b>2497</b>	\$225.33
950 31K & 81J serial	<b>2270</b>	\$77.64	<b>JOHN DEERE</b>	<b>[ DEER ]</b>	
950B	<b>2272</b>	\$95.46	<u>Model</u>	<u>Code</u>	<u>Rate</u>
950E	<b>2300</b>	\$101.48	JD-210C	<b>2485</b>	\$31.85
950F	<b>2301</b>	\$106.90	JD-210C w/ backhoe	<b>2490</b>	\$31.86
950F Series II	<b>2303</b>	\$110.60	JD-210LE	<b>2495</b>	\$41.80
950G	<b>2310</b>	\$118.79	JD-310A w/ backhoe	<b>2504</b>	\$33.40
950H	<b>2310H</b>	\$137.65	JD-310B w/ backhoe	<b>2506</b>	\$34.09
962G	<b>2320G</b>	\$129.99	JD-310C w/ backhoe	<b>2507</b>	\$37.57
966C	<b>2340</b>	\$113.27	JD-310D w/ backhoe	<b>2507D</b>	\$42.27
966D	<b>2350</b>	\$125.20	JD-310E w/ backhoe	<b>2507E</b>	\$43.26
966E	<b>2360</b>	\$138.19	JD-310SE w/ backhoe	<b>2507F</b>	\$48.45
966F	<b>2361</b>	\$141.22	310G	<b>2507G</b>	\$44.39
966G	<b>2362</b>	\$158.50	JD-315SE w/ backhoe	<b>2507H</b>	\$49.08
966H	<b>2362H</b>	\$184.41	JD-410 w/ backhoe	<b>2508</b>	\$36.50
966K	<b>2362K</b>	\$188.84	JD-410B w/ backhoe	<b>2508B</b>	\$37.20
970F	<b>2370</b>	\$165.79	JD-410C w/ backhoe	<b>2508C</b>	\$43.71
972G	<b>2372G</b>	\$176.79	JD-410D w/ backhoe	<b>2508D</b>	\$51.98
980B	<b>2376</b>	\$144.51	JD-410E w/ backhoe	<b>2508E</b>	\$54.58
980C	<b>2378</b>	\$176.01	410G	<b>2508G</b>	\$55.78
980F	<b>2381</b>	\$181.38	410J 4WD	<b>2508J</b>	\$64.28
980G	<b>2382</b>	\$199.91	410K	<b>2508K</b>	\$68.49
980H	<b>2382H</b>	\$218.32	JD-444	<b>2510</b>	\$48.57
988 87A6868 serial	<b>2398</b>	\$176.77	JD-444C	<b>2515</b>	\$50.57
988B 50W serial	<b>2436</b>	\$252.27	JD-444D	<b>2520</b>	\$52.14
992B 25K serial	<b>2460</b>	\$314.75	JD-444E	<b>2521</b>	\$56.58
992C	<b>2470</b>	\$481.62	JD-500C w/ backhoe	<b>2592</b>	\$47.39
IT 12	<b>2472</b>	\$41.00	JD-510 w/ backhoe	<b>2620</b>	\$43.97
IT 12B	<b>2472B</b>	\$47.75	JD-510B w/ backhoe	<b>2625</b>	\$42.32
IT 14F	<b>2473</b>	\$55.32	JD-510C w/ backhoe	<b>2630</b>	\$49.93
IT 18	<b>2474</b>	\$52.39			

JD-510D w/ backhoe	<b>2630D</b>	\$59.06	FR 35	<b>3052</b>	\$223.19
JD-544B	<b>2660B</b>	\$60.20	<b>FORD</b>	[ FORD ]	
JD-544C	<b>2660C</b>	\$61.82	<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD-544D	<b>2660D</b>	\$60.72	545C	<b>3054</b>	\$34.34
JD-544E	<b>2660E</b>	\$67.15	650 w/ backhoe	<b>3056</b>	\$37.93
JD-544G	<b>2660G</b>	\$73.97	655A w/ backhoe	<b>3056F</b>	\$42.34
544J	<b>2660J</b>	\$96.67	655C w/ backhoe	<b>3056G</b>	\$46.42
544K	<b>2660K</b>	\$107.96	750 w/ backhoe	<b>3057</b>	\$49.58
JD-610B w/ backhoe	<b>2690</b>	\$48.39	755 w/ backhoe	<b>3061</b>	\$52.75
JD-610C w/ backhoe	<b>2691</b>	\$55.19	755B w/ backhoe	<b>3063</b>	\$60.00
JD-624E	<b>2700</b>	\$80.39	755A w/ backhoe	<b>3065</b>	\$58.60
JD-624G	<b>2700G</b>	\$90.94	A-62	<b>3114</b>	\$51.59
JD-624H	<b>2700H</b>	\$99.58	A-64	<b>3116</b>	\$62.61
JD-644B	<b>2710</b>	\$83.22	A-66	<b>3118</b>	\$81.54
JD-644C	<b>2715</b>	\$86.15	<b>FURUKAWA</b>	[ FURU ]	
JD-644D	<b>2717</b>	\$89.06	<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD-644E	<b>2719</b>	\$96.26	FL 320A	<b>3120M</b>	\$115.39
JD-644G	<b>2719B</b>	\$109.30	FL 330	<b>3120S</b>	\$125.82
JD-644H	<b>2719H</b>	\$117.09	<b>HOUGH</b>	[ HOUG ]	
644J	<b>2719J</b>	\$129.81	<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD-710B w/ backhoe	<b>2720</b>	\$61.93	H65C	<b>3578</b>	\$80.28
JD-710C w/ backhoe	<b>2721</b>	\$68.78	H-90E	<b>3884</b>	\$138.84
JD-710D w/ backhoe	<b>2722</b>	\$74.78	H-100C	<b>3954</b>	\$163.35
JD-710D 4WD w/ backhoe	<b>2722D</b>	\$76.73	<b>INTERNATIONAL</b>	[ INTL ]	
710G	<b>2722G</b>	\$79.29	<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD-744H	<b>2723</b>	\$159.31	260A	<b>2260</b>	\$36.77
744J	<b>2723J</b>	\$187.84	260A w/ backhoe	<b>2270</b>	\$38.44
JD-844	<b>2725</b>	\$153.86	270A w/ backhoe	<b>2280</b>	\$42.35
<b>DRESSER</b>	[ DRES ]		280A w/ backhoe	<b>2285</b>	\$51.96
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<b>J C B</b>	[ JCB ]	
510B	<b>2310</b>	\$47.25	<u>Model</u>	<u>Code</u>	<u>Rate</u>
510C	<b>2310C</b>	\$63.07	214S w/ backhoe	<b>4430</b>	\$50.75
515B	<b>3517</b>	\$61.38	215S w/ backhoe	<b>4435</b>	\$55.74
515C	<b>3517C</b>	\$74.58	217S w/ backhoe	<b>4440</b>	\$59.06
520B	<b>3519</b>	\$70.96	3C 1550 2WD w/ hoe	<b>4448</b>	\$36.25
520C	<b>3519C</b>	\$88.87	3D 1700 4WD w/ hoe	<b>4450</b>	\$48.39
530	<b>3520</b>	\$99.40	1400B w/ backhoe	<b>4455</b>	\$41.07
530C	<b>3520C</b>	\$108.17	1550B w/ backhoe	<b>4457</b>	\$47.02
540	<b>3530</b>	\$136.39	1600B w/ backhoe	<b>4458</b>	\$54.10
550	<b>3540</b>	\$136.47	1700B w/ backhoe	<b>4459</b>	\$55.17
<b>FIAT-ALLIS</b>	[ F-A ]		<b>KAWASAKI</b>	[ KAWA ]	
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<u>Model</u>	<u>Code</u>	<u>Rate</u>
545B	<b>3042</b>	\$58.01	60Z IV	<b>4300</b>	\$69.55
745C	<b>3046</b>	\$113.86	65Z IV	<b>4310</b>	\$77.70
FR 10	<b>3049H</b>	\$61.27	KSS 80Z II	<b>4330</b>	\$99.95
FR 10B	<b>3049I</b>	\$66.63	80Z III	<b>4335</b>	\$116.03
FR 20	<b>3050</b>	\$128.65	80Z IV	<b>4340</b>	\$118.11
FR 30	<b>3051</b>	\$168.09			
FR 20B	<b>3051B</b>	\$143.05			

85Z IV	4345	\$148.33	<b>TEREX</b>	[ <b>TERX</b> ]
90Z III	4350	\$164.26	<u>Model</u>	<u>Code</u> <u>Rate</u>
90Z IV	4355	\$168.37	70C	7938      \$145.92
95Z IV-2	4360	\$215.89	72-61	8036      \$179.20
<b>KOMATSU</b>	[ <b>KOMA</b> ]		72-71B	8055      \$233.60
<u>Model</u>	<u>Code</u>	<u>Rate</u>	72-81	8080      \$275.93

W 120-3	4520	\$116.93
W 180-1	4525	\$165.67
WA 200-1	4536	\$66.00
WA 250-1	4537	\$90.31
WA 300-1	4538	\$86.16
WA 320-1	4539	\$105.67
WA 350-1	4540	\$101.65
WA 380-1	4541	\$125.87
WA 380-3	4541C	\$125.78
WA 400-1	4542	\$121.26
WA 420-3	4543C	\$144.56
WA 450-1	4544	\$150.59
WA 450-2	4544B	\$169.57
WA 450-3	4544C	\$172.10
WA 470-1	4545	\$165.43
WA 500-1	4546	\$199.62
WA 600-1	4550	\$293.89
WB 140-2 4WD	4700	\$53.32
WB 150-2 4WD	4710	\$61.44

<b>VOLVO-MICHIGAN-EUCLID</b>	[ <b>VME</b> ]
<u>Model</u>	<u>Code</u> <u>Rate</u>
175B	6186      \$147.54
175C	6186C      \$168.85
275B	6330      \$187.87
275C	6330C      \$225.33
L-70C	9570C      \$76.01
L-90	9575      \$91.09
L-120	9595      \$118.26
L-120C	9595C      \$122.61
L-150C	9598C      \$152.62
L-160	9600      \$158.93
L-180C	9602C      \$171.55
L-190	9605      \$184.70
VOLVO MACHINERY	L250G      \$277.79

<b>LEADS, PILE DRIVING</b>	[ <b>LEADS</b> ]
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**DELAY FACTOR = 0.47      OVERTIME FACTOR = 0.58**

<b>MASSEY FERGUSON</b>	[ <b>M-F</b> ]
<u>Model</u>	<u>Code</u> <u>Rate</u>
MF 44C	5143      \$62.53
MF 50H Series S	5150      \$37.09
MF 50H Series S, 4WD	5152      \$37.78
MF 50HX Series S	5154      \$40.01
MF 50HX Series S, 4WD	5156      \$40.88
MF 55C	5170      \$80.25
MF 60 w/ backhoe	5171      \$39.18
MF 60H Series S w/ hoe	5172      \$42.28
MF 66C	5174      \$102.46
MF 80 w/ backhoe	5182      \$55.97
MF 88	5184      \$162.69
640	6000      \$37.27
650	6010      \$39.94

<b>FIXED</b>	[ <b>FIXD</b> ]	
Includes headblock, taper top, tip sled and connector, foot yoke, foot yoke sheave, intermediate flights, and all attachments and accessories. Rated in accordance with height of the lead measured in meters ( linear feet)		
<u>OVER</u>	<u>TO</u> <u>Code</u> <u>Rate</u>	
0	16.8 (55) (w/o spotter)	0100      \$20.66
16.8 (55)	32.0 (105) (w/o spotter)	0200      \$26.33
over	32.0 (105) (w/o spotter)	0300      \$32.98
0	16.8 (55) (w/ spotter)	1100      \$34.93
16.8 (55)	32.0 (105) (w/ spotter)	1200      \$41.68
over	32.0 (105) (w/ spotter)	1300      \$49.41

<b>NEW HOLLAND</b>	[ <b>NHND</b> ]
<u>Model</u>	<u>Code</u> <u>Rate</u>
545D	0100      \$35.72
575E w/ backhoe	0110      \$50.25
655D w/ backhoe	0120      \$45.18
655E w/ backhoe	0130      \$54.06
675D 4WD w/ backhoe	0140      \$52.16
675E 4WD w/ backhoe	0150      \$61.81

<b>SWINGING</b>	[ <b>SWNG</b> ]	
Includes headblock, taper top, tip sled and connector, foot yoke, foot yoke sheave, intermediate flights, and all attachments and accessories. Rated in accordance with the height of the lead measured in meters (linear feet).		
<u>OVER</u>	<u>TO</u> <u>Code</u> <u>Rate</u>	
0	16.8 (55) (w/o spotter)	0400      \$13.69
16.8 (55)	32.0 (105) (w/o spotter)	0500      \$19.06
over	32.0 (105) (w/o spotter)	0600      \$25.71
0	16.8 (55) (w/ spotter)	1400      \$27.97
16.8 (55)	32.0 (105) (w/ spotter)	1500      \$34.41
over	32.0 (105) (w/ spotter)	1600      \$42.13

**NON-OPERATED EQUIPMENT (DAILY [ NONOP ] RATES)**

**DELAY FACTOR = 0.56                      OVERTIME FACTOR = 1.00**

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

**MISCELLANEOUS                      [ MISC ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Casing, 450 mm dia, per 0.3 m (Casing, 18" dia, per lf)	<b>0120</b>	\$0.04
Casing, 650 mm dia, per 0.3 m (Casing, 26" dia, per lf)	<b>0130</b>	\$0.06
Casing, 900 mm dia, per 0.3 m (Casing, 36" dia, per lf)	<b>0140</b>	\$0.09
Casing, 1800 mm dia, per 0.3 m (Casing, 72" dia, per lf)	<b>0150</b>	\$0.21
Casing, 2400 mm dia, per 0.3 m (Casing, 96" dia, per lf)	<b>0160</b>	\$0.26
Casing, 2700 mm dia, per 0.3 m (Casing, 108" dia, per lf)	<b>0170</b>	\$0.30
Casing, 3000 mm dia, per 0.3 m (Casing, 120" dia, per lf)	<b>0180</b>	\$0.40
Pile, all depths "H" pile, per 45.0 kg (Pile, all depths "H" pile, per hundred-weight)	<b>0190</b>	\$0.04
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>	\$1.27
Plate, 25 mm thick, per 9.3 sm (Plate, 1" thick, per 100 sf)	<b>0220</b>	\$1.45
Plate, 38 mm thick, per 9.3 sm (Plate, 1.5" thick, per 100 sf)	<b>0230</b>	\$2.18

**SCAFFOLDING, SHORING,                      [ SSWF ]**

**FALSEWORK**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Metal form, 1.8 m x3.0 m, per 14.6 m (Metal form, 6x10 box culvert, per 48 lf)	<b>0310</b>	\$44.37
Metal form, 2.4 m x3.7 m, per 15.2 m (Metal form, 8x12 box culvert, per 50 lf)	<b>0320</b>	\$49.17
Metal form, 2.1 m x4.3 m, per 15.2 m (Metal form, 7x14 box culvert, per 50 lf)	<b>0330</b>	\$54.04
Metal form, type 25 barrier, per 3.0 m (Metal form, type 25 barrier, per 10 lf)	<b>0340</b>	\$2.70
Metal form, type 26 barrier, per 3.0 m (Metal form, type 26 barrier, per 10 lf)	<b>0350</b>	\$2.86
Metal form, type 27 barrier, per 3.0 m (Metal form, type 27 barrier, per 10 lf)	<b>0360</b>	\$2.46
Metal form, type 50 barrier, per 3.0 m (Metal form, type 50 barrier, per 10 lf)	<b>0370</b>	\$2.66
Metal form, 1.8 m x 3.7 m girder panel, per 0.1 sm ( 6x12 girder panel, per sf)	<b>0380</b>	\$0.17

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>	\$0.55
Scaffolding, 3.0 m section, per section (Scaffolding, 10' section, per section)	<b>0420</b>	\$1.24
Scaffolding, 4.6 m section, per section (Scaffolding, 15' section, per section)	<b>0430</b>	\$1.63
Scaffolding, bottom/top section, per 1.5 m section (per 5 ft section)	<b>0440</b>	\$0.77
Scaffolding, 2.1 m high, rolling (Scaffolding, 7' high, rolling)	<b>0450</b>	\$1.16
Scaffolding, spider staging, plus air compressor	<b>0460</b>	\$24.69
Shoring, 1.1 m deep x 2235 mm wide, per section (Shoring, 3.5' deep x 88" wide trench, per section)	<b>0510</b>	\$1.27
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>	\$11.69
Shoring, 1.5 m deep x 2235 mm wide, per section (Shoring, 5' deep x 88" wide trench, per section)	<b>0520</b>	\$1.34
Shoring, 2.1 m deep x 1397 mm wide, per section (Shoring, 7' deep x 55" wide trench, per section)	<b>0530</b>	\$1.18
Shoring, 2.1 m deep x 2235 mm wide, per section (Shoring, 7' deepx88" wide trench, per section)	<b>0540</b>	\$1.41
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>	\$9.64
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>	\$19.01
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>	\$17.07
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>	\$23.74
Wood, 50 mm x255 mm, per 30.5 m (Wood, 2"x10", per 100 lf)	<b>0605</b>	\$0.16
Wood, 50 mm x305 mm, per 30.5 m (Wood, 2"x12", per 100 lf)	<b>0610</b>	\$0.20
Wood, 100mm x100mm, per 30.5 m (Wood, 4"x4", per 100 lf)	<b>0615</b>	\$0.14
Wood, 100 mm x150 mm, per 30.5 m (Wood, 4"x6", per 100 lf)	<b>0620</b>	\$0.20
Wood, 100 mm x205 mm, per 30.5 m (Wood, 4"x8", per 100 lf)	<b>0625</b>	\$0.28
Wood, 100 mm x305 mm, per 30.5 m (Wood, 4"x12", per 100 lf)	<b>0630</b>	\$0.42
Wood, 150 mm x305 mm, per 30.5 m (Wood, 6"x12", per 100 lf)	<b>0635</b>	\$0.70
Wood, 150 mm x455 mm, per 30.5 m (Wood, 6"x18", per 100 lf)	<b>0640</b>	\$1.12
Wood, 205 mm x405 mm, per 30.5 m (Wood, 8"x16", per 100 lf)	<b>0645</b>	\$1.38
Wood, 305 mm x455 mm, per 30.5 m (Wood, 8"x18", per 100 lf)	<b>0650</b>	\$1.55

Wood, 305 mm x305 mm, per 30.5 m (Wood, 12"x12", per 100 lf)	<b>0655</b>	\$1.34
Wood form, type 27 barrier, per 2.4 m (Wood form, type 27 barrier, per 8 lf)	<b>0660</b>	\$0.29
Wide flange beam, all depths, per 45 kg (Wide flange beam, all depths, per hundred wt.)	<b>0670</b>	\$0.04

<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>	\$0.76	
Tank, metal, 2270-4540 liters (600-1200 gal)	<b>0720</b>	\$1.03	
Tank, metal, 4540-9840 liters (1200-2600 gal)	<b>0730</b>	\$2.56	
Tank, metal, 22 710 liters (6000 gallons)	<b>0740</b>	\$5.15	
Tank, metal, 28 390 liters (7500 gallons)	<b>0750</b>	\$6.46	
Tank, metal, 30 280 liters ( 8000 gallons)	<b>0760</b>	\$6.83	
Tank, metal, 37 850 liters (10000 gallons)	<b>0770</b>	\$7.58	

<b>TRAFFIC SAFETY</b>	[ <b>TRAF</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
Crash cushion barrel, filled, each	<b>0810</b>	\$1.23	
K-rail, temporary concrete barrier, per 6.1 m (20 lf)	<b>0820</b>	\$0.49	

<b>PAVEMENT GRINDERS, DIAMOND BLADES</b>	[ <b>PGDIA</b> ]
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**DELAY FACTOR = 0.09                      OVERTIME FACTOR = 0.92**

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

<b>CONCUT</b>	[ <b>CCUT</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
BC-38 (136 blades)	<b>0500</b>	\$182.26	
BC-244 (187 blades)	<b>0505</b>	\$225.42	
BC-1268 (48 blades)	<b>0510</b>	\$70.11	

<b>CUSHION CUT</b>	[ <b>CUCT</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
HG-130A (127 blades)	<b>0600</b>	\$174.56	
PC-390(171 blades)	<b>0610</b>	\$270.74	

<b>PENHALL</b>	[ <b>PENH</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
G-38 (172 blades)	<b>0800</b>	\$345.00	

<b>TARGET</b>	[ <b>TARG</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
CG-65 (41 blades)	<b>0900</b>	\$106.97	
PRM-3804 (170 blades)	<b>0905</b>	\$379.90	

<b>PAVEMENT GRINDERS, TUNGSTEN- CARBIDE BITS</b>	[ <b>PGT-C</b> ]
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**DELAY FACTOR = 0.12                      OVERTIME FACTOR = 0.90**

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

<b>BARBER-GREENE</b>	[ <b>B-G</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
RX-20	<b>0100</b>	\$179.57	
RX-30	<b>0105</b>	\$285.07	
RX-40B	<b>0110</b>	\$330.52	
RX-50	<b>0115</b>	\$388.49	
RX-80B	<b>0120</b>	\$647.16	

<b>CATERPILLAR</b>	[ <b>CAT</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
PM-800	<b>0200</b>	\$503.64	
PR-105	<b>0201</b>	\$87.58	
PR-275	<b>0205</b>	\$239.49	
PR-450	<b>0210</b>	\$350.38	
PR-750	<b>0215</b>	\$512.94	
PR-750B	<b>0216</b>	\$537.64	
PR-1000	<b>0220</b>	\$704.20	

<b>C.M.I.</b>	[ <b>CMI</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
PR-275 RT	<b>0150</b>	\$227.80	
PR-375	<b>0155</b>	\$290.40	
PR-450	<b>0160</b>	\$332.97	
PR-525	<b>0165</b>	\$359.47	
PR-500FL	<b>0170</b>	\$393.29	
PR-750	<b>0175</b>	\$495.72	
PR-800-7	<b>0177</b>	\$541.68	
PR-1000	<b>0180</b>	\$594.03	

<b>INGERSOLL-RAND</b>	[ <b>I-R</b> ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
MW-175	<b>0280</b>	\$100.01	
MW-250	<b>0285</b>	\$108.00	
MW-250C	<b>0286</b>	\$130.12	
MT-6520 (crawler)	<b>0300</b>	\$323.36	
MW-6520	<b>0305</b>	\$233.13	
MW-6520HC	<b>0310</b>	\$299.43	
MT-7000	<b>0315</b>	\$409.11	

**WIRTGEN**

[ WIRT ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
300VC	<b>0380</b>	\$38.80
1000VC	<b>0390</b>	\$148.33
1900DC	<b>0395</b>	\$344.76
2000VC	<b>0400</b>	\$335.21
2100VC	<b>0402</b>	\$433.27
2200VC	<b>0405</b>	\$564.97
3500VC	<b>0410</b>	\$577.46
4200VC	<b>0420</b>	\$595.07

**PUMPS, WATER HOSE**

[ PUMWA ]

**DELAY FACTOR = 0.36****OVERTIME FACTOR = 0.67**

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>	\$3.58
0.6 (10)	1.3 (20)	<b>010-020</b>	\$5.55
1.3 (20)	1.9 (30)	<b>020-030</b>	\$6.50
1.9 (30)	3.2 (50)	<b>030-050</b>	\$23.90
3.2 (50)	7.9 (125)	<b>050-125</b>	\$28.22
7.9 (125)	15.8 (250)	<b>125-250</b>	\$33.25

**INLET-SUCTION HOSE**

[ INHS ]

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	60 (2.5)	<b>0-2.5</b>	\$0.07
60 (2.5)	80 (3)	<b>2.5-3.5</b>	\$0.13
80 (3)	100 (4)	<b>3.5-4</b>	\$0.18
100 (4)	150 (6)	<b>4-6</b>	\$0.29

**OUTLET-DISCHARGE HOSE**

[ OUHS ]

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	60 (2.5)	<b>0-2.5</b>	\$0.05
60 (2.5)	90 (3.5)	<b>2.5-3.5</b>	\$0.10
90 (3.5)	100 (4)	<b>3.5-4</b>	\$0.15
100 (4)	150 (6)	<b>4-6</b>	\$0.20

**ROLLERS, TANDEM STEEL WHEELS**

[ ROL-2 ]

**DELAY FACTOR = 0.11****OVERTIME FACTOR = 0.91**

Includes all attachments and accessories.

**BOMAG**

[ BMAG ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW-4AS	<b>1150</b>	\$24.95
BW-6AS	<b>1155</b>	\$26.56
BW-10AS	<b>1160</b>	\$45.29
BW-12AS	<b>1165</b>	\$46.06

**DRESSER**

[ DRES ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
S3-5B	<b>2500</b>	\$32.59
S8-12A	<b>2520</b>	\$43.05
S10-14A	<b>2525</b>	\$43.81

**FERGUSON**

[ FERG ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3-5 ton	<b>4048</b>	\$19.98
3-5A	<b>4048A</b>	\$21.24
4-6A	<b>4142A</b>	\$21.38
5-8 ton	<b>4236</b>	\$47.66
5-8A	<b>4240</b>	\$36.52
8-12 ton	<b>4424</b>	\$37.81
8-12B	<b>4424B</b>	\$39.97
8-12A	<b>4430</b>	\$37.50
10-14 ton	<b>4450</b>	\$38.70
10-14A	<b>4455</b>	\$38.02
10-14B	<b>4455B</b>	\$40.53

**GALION**

[ GALN ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4-6 ton roll-o-static	<b>4650</b>	\$31.32
S4-6A, S4-6B	<b>4670</b>	\$33.87
5-8 ton roll-o-static	<b>4800</b>	\$36.57
S5-8A	<b>4820</b>	\$39.24
8-10.5 ton roll-o-static	<b>4988</b>	\$37.22
S8-10.5A	<b>5000</b>	\$39.94
8-12 ton roll-o-static	<b>5176</b>	\$37.52
S8-12A	<b>5190</b>	\$40.59

**HYSTER**

[ HYST ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
C 330A 3-5 ton	<b>6520</b>	\$33.63
C 330B 3-5 ton (Hypac)	<b>6520B</b>	\$26.13
C 330A 4-6 ton	<b>6525</b>	\$34.98
C 330B 4-6 ton (Hypac)	<b>6526</b>	\$28.25
C 340A 5-8 ton	<b>6530</b>	\$41.16
C 340A 8-10 ton	<b>6540</b>	\$41.71
C 340B 5-8 ton	<b>6545</b>	\$36.76

C 340C 5-8 ton (Hypac)	<b>6546</b>	\$39.21
C 340B 8-10 ton	<b>6548</b>	\$37.47
C 340C 8-10 ton (Hypac)	<b>6549</b>	\$39.68
C 350B 8-12 ton	<b>6710</b>	\$42.60
C 350B 10-14 ton	<b>6740</b>	\$43.09
C 350C 8-12 ton	<b>6750</b>	\$38.74
C 350C 10-14 ton	<b>6755</b>	\$39.44
C 350D 8-12 ton	<b>6757</b>	\$40.20

**INGRAM [ INGM ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4-6 ton FB	<b>6900</b>	\$25.58
5-6.5 ton FB	<b>6965</b>	\$27.12
8-12 ton HB	<b>7175</b>	\$37.67
10-14 ton HB	<b>7275</b>	\$38.28

**REXNORD [ RXND ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3-5 ton	<b>8566</b>	\$24.47
4-6 ton	<b>8572</b>	\$25.05
5-8 ton	<b>8578</b>	\$55.52
7-10 ton	<b>8584</b>	\$55.71
8-12 ton	<b>8590</b>	\$56.06
10-14 ton	<b>8596</b>	\$56.40

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

**DELAY FACTOR = 0.16 OVERTIME FACTOR = 0.86**  
Includes all attachments and accessories.

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW 20R	<b>2624</b>	\$41.18

**CATERPILLAR [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
PS 110	<b>3460</b>	\$42.03
PS 130	<b>3465</b>	\$41.45
PS 180	<b>3470</b>	\$43.65
PS 200B	<b>3480</b>	\$55.08

**DYNAPAC [ DYPC ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
CP 15	<b>3500</b>	\$40.37
CP 21	<b>3510</b>	\$49.97
CP 27	<b>3520</b>	\$64.36

**GALION [ GALN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3500	<b>4310</b>	\$41.69
P 3000	<b>4315</b>	\$38.29
P 3500A	<b>4320</b>	\$42.10

**HYSTER [ HYST ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
C 530A	<b>5401</b>	\$41.30
C 550A	<b>5494</b>	\$46.36

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

**DELAY FACTOR = 0.10 OVERTIME FACTOR = 0.92**  
Includes all attachments and accessories.

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
K 300	<b>1630</b>	\$80.85
K 301	<b>1635</b>	\$90.90
K 401	<b>1638</b>	\$107.84

**CATERPILLAR [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
815	<b>2300</b>	\$94.78
815B	<b>2310</b>	\$140.30
815F	<b>2320</b>	\$152.84
825B	<b>2500</b>	\$159.09
825C	<b>2510</b>	\$207.80
835	<b>2700</b>	\$202.28

**RAYGO [ RAGO ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
30	<b>6490</b>	\$79.00
45	<b>6500</b>	\$119.63
RAM PAK 45	<b>6505</b>	\$128.34

**REXNORD [ RXND ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3-30	<b>7120</b>	\$95.17
3-35 PACTOR	<b>7127</b>	\$116.67
3-45 PACTOR	<b>7130</b>	\$148.77
3-50, 3-50A PACTOR	<b>7140</b>	\$165.36
3-55, 3-55B PACTOR	<b>7150</b>	\$199.33



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

**DELAY FACTOR = 0.45                      OVERTIME FACTOR = 0.60**

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>	\$1.93
over 1220 mm (4') - not over 1520 mm (5')	<b>4X5</b>	\$2.19
over 1520 mm (5')	<b>5</b>	\$3.97

**DOUBLE DRUM UNIT                      [ DDRU ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
1220 mm x1220 mm (4'X4') & under, each	<b>4X4</b>	\$4.68
over 1220 mm (4') - not over 1520 mm (5'), each	<b>4X5</b>	\$14.16
over 1520 mm (5'), each	<b>5</b>	\$26.11

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

**DELAY FACTOR = 0.17                      OVERTIME FACTOR = 0.85**

Includes all attachments and accessories.

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW 210	<b>2060</b>	\$62.11
BW 210A	<b>2070</b>	\$64.10
BW 213	<b>2080</b>	\$63.21
BW 214	<b>2090</b>	\$64.95

**BOMAG                                      [ BMAG ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW 35	<b>0700</b>	\$6.63
BW 60, 60S	<b>0800</b>	\$10.16
BW 65, 65S	<b>0900</b>	\$7.07
BW 75, 75S	<b>1000</b>	\$11.36
BW 85T	<b>1200</b>	\$20.13
BW 90	<b>1300</b>	\$13.21
BW 100AD-3	<b>1325C</b>	\$33.79
BW 120AD	<b>1350</b>	\$34.28
BW 142PD	<b>1359</b>	\$39.93
BW 151AD	<b>1365</b>	\$57.46
BW 170AD, D	<b>1380</b>	\$50.15
BW 172AD, D	<b>1385</b>	\$50.53
BW 202AD	<b>1400</b>	\$78.61

**BROS                                        [ BROS ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
VM 255	<b>2023</b>	\$50.71
VM 268, VM 268H	<b>2024</b>	\$62.47
VM 278	<b>2025</b>	\$95.41

**CASE                                        [ CASE ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
50B	<b>2228</b>	\$7.29
W 251	<b>2400</b>	\$24.17
252, W 252	<b>2405</b>	\$31.29
752, W 752	<b>2450</b>	\$54.70
1102, W 1102	<b>2500</b>	\$72.02
1102D, W 1102D	<b>2505</b>	\$73.26
602D	<b>2510</b>	\$49.48
752B	<b>2520</b>	\$57.62

**CATERPILLAR                              [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
CB 54	<b>7000</b>	\$98.25
CS 56	<b>7020</b>	\$108.01
CB 64	<b>7400</b>	\$113.60
CB 214	<b>8025</b>	\$30.33
CB 214B	<b>8026</b>	\$31.55
CB 224	<b>8030</b>	\$31.43
CB 224B	<b>8031</b>	\$33.40
CB 224C	<b>8031C</b>	\$34.20
CB 224E	<b>8031E</b>	\$36.84
CB 314	<b>8035</b>	\$33.20
CP 323 padfoot drum	<b>8040</b>	\$53.72
CS 323 smooth drum	<b>8042</b>	\$52.02
CB 414	<b>8045</b>	\$51.66
CS 431	<b>8050</b>	\$47.90
CS 431B	<b>8051</b>	\$65.41
CP 433 padfoot drum	<b>8055</b>	\$54.33
CP 433B padfoot drum	<b>8056</b>	\$71.70
CP 433E	<b>8056E</b>	\$86.74
CS 433 smooth drum	<b>8060</b>	\$54.63
CS 433B smooth drum	<b>8061</b>	\$68.77
CB 434	<b>8062</b>	\$59.81
CB 434D	<b>8062D</b>	\$72.82
CB 514	<b>8065</b>	\$65.57
CB 534	<b>8067</b>	\$84.24
CB 534C	<b>8067C</b>	\$82.19
CB 534D OR XW	<b>8067D</b>	\$104.31
CS 551	<b>8070</b>	\$91.68
CP 553 padfoot drum	<b>8075</b>	\$96.45
CS 553 smooth drum	<b>8080</b>	\$92.91
CP 563 padfoot drum	<b>8082</b>	\$99.08
CS 563 smooth drum	<b>8083</b>	\$95.25
CS 563C	<b>8083C</b>	\$100.80
CB 614	<b>8085</b>	\$102.63
CB 634	<b>8095</b>	\$101.27
CB 634C	<b>8095C</b>	\$102.56

<b>DYNAPAC</b>			<b>[ DYPC ]</b>			<b>HYSTER</b>			<b>[ HYST ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<u>Model</u>	<u>Code</u>	<u>Rate</u>	<u>Model</u>	<u>Code</u>	<u>Rate</u>	<u>Model</u>	<u>Code</u>	<u>Rate</u>
LR 90	2401	\$14.40	C 612B	3450	\$56.27						
A 36V, A 36D	2405	\$34.78	C 610A	3500	\$42.25						
CA 12	2409A	\$45.84	C 610B	3540	\$54.50						
CA 12D	2409B	\$39.40	C 615B	3562	\$56.62						
CA 12PD	2409E	\$39.89	C 617B	3563	\$57.13						
CA 12PDB strikeoff blade	2409H	\$38.03	C 620B	3566	\$56.01						
CA 15	2410	\$61.06	C 625B	3570	\$57.73						
CA 15A	2420	\$54.01	C 627B	3572	\$58.41						
CA 15D	2421	\$64.53	C 727A	3572E	\$81.98						
CA 20D	2422	\$53.15	C 748A (Hypac/Hyster)	3572F	\$36.28						
CA 15PD	2425	\$54.78	C 766A	3572G	\$72.72						
CA 25	2430	\$78.33	C 766B (Hypac/Hyster)	3572H	\$87.42						
CA 25S	2440	\$76.58	C 850A	3572J	\$86.95						
CA 25A, CA 25D	2450	\$81.34	C 850B (Hypac/Hyster)	3572K	\$101.90						
CA 25PD	2455	\$84.26	C 852A	3572N	\$92.47						
CA 25T	2460	\$70.39	C 852B (Hypac/Hyster)	3572P	\$105.40						
CA 30	2462	\$82.55	C 860A	3572S	\$91.17						
CA 30D	2464	\$87.05	C 860B (Hypac/Hyster)	3572T	\$99.69						
CA 51S, CA 51D	2466	\$103.01	<b>INGERSOLL-RAND</b>			<b>[ I-R ]</b>					
CA 55D	2468	\$105.88	<u>Model</u>	<u>Code</u>	<u>Rate</u>						
CA 151PDB	2469	\$75.81	DD 22	3565	\$40.20						
CC 10, CC 10 series II	2470	\$31.13	DD 23	3570	\$29.75						
CC 10A	2472	\$27.02	DD 24	3572	\$39.39						
CC 102	2472C	\$33.45	DA 30	3573	\$31.27						
CC 12	2472E	\$34.17	DD 35	3573C	\$32.75						
CC 14	2473	\$49.20	DA 40	3573E	\$56.14						
CC 21	2474	\$51.07	DA 41	3573G	\$58.49						
CC 21 II	2474B	\$54.19	DD 34HF	3573HF	\$48.49						
CC 211	2474C	\$62.59	DA 48	3573M	\$77.83						
CC 42 II Dynatronic	2475	\$82.21	DA 50	3574	\$78.64						
CC 42A	2476	\$81.15	DD 65	3574A	\$61.06						
CC 50	2482	\$88.94	DF 84	3574B	\$128.36						
CC 50A	2488	\$100.94	DS 84	3574C	\$125.10						
CC 50PD	2488E	\$157.81	DD 90	3574D	\$84.66						
CC 50S	2489	\$149.64	DD 110	3574F	\$93.80						
DD 18	2498	\$12.41	DD 130	3574H	\$124.59						
300V	2499E	\$16.14	DD 145	3574J	\$106.92						
2100V	2499H	\$15.35	SPA 56	3810	\$60.79						
<b>ESSICK</b>	<b>[ ESIK ]</b>		SP 48	3880	\$58.92						
<u>Model</u>	<u>Code</u>	<u>Rate</u>	SP 48DD	3885	\$60.53						
VR 30RE	2700	\$9.42	SPF 48	3890	\$62.83						
VR 42RE	2820	\$24.06	SPF 48B	3892	\$64.04						
V 30WR, V 30W2-R	2902	\$10.29	SP 54	4000	\$59.96						
			SP 54DD	4005	\$61.97						
			SPA 54	4010	\$60.85						
			SPF 54	4020	\$66.31						
			SP 56	4030	\$70.22						

SP 56DD	4035	\$73.11	<b>RAYGO</b>	<b>[ RAGO ]</b>	
SP 56DH	4037	\$98.96	<u>Model</u>	<u>Code</u>	<u>Rate</u>
SPF 56	4040	\$75.01	1-36 REBEL	4805	\$14.28
SPF 56B	4050	\$77.93	2-36 ROMPER	4810	\$31.20
SPF 56DH	4080	\$100.46	2-66 RANGER	4820	\$80.08
SPF 56DHB	4090	\$104.36	2-84 RANGER	4830	\$110.97
SP 60	4100	\$125.13	220A RASCAL	4840	\$46.82
SP 84	4105	\$103.75	320A RASCAL	4876	\$56.49
SP 60DD	4110	\$147.24	320S RASCAL	4890	\$53.75
SPF 60	4120	\$151.92	400A RASCAL	5010	\$56.33
SPF 60B	4130	\$159.91	404B RUSTLER	5110	\$61.68
SPF 60C	4132	\$139.62	410A RASCAL	5150	\$59.91
SPF 84	4133	\$105.46	600A RASCAL	5220	\$75.87
SPF 84B	4134	\$109.93	4000 RASCAL	5235	\$82.51
SD 40D	4138	\$54.04	4200 RASCAL	5236	\$88.50
SD 40F w/ blade	4138FB	\$55.56	4404 RUSTLER	5236E	\$32.93
SD 70	4139	\$61.93	<b>RAMMAX</b>	<b>[ RAMX ]</b>	
SD 100	4140	\$78.97	<u>Model</u>	<u>Code</u>	<u>Rate</u>
SD 100D	4140D	\$95.41	P 33/24	4605	\$18.71
SD 100F	4140F	\$95.96	P 33/24 w/ remote	4606	\$18.00
SD 115D	4141D	\$118.11	P 51	4625	\$71.55
SD 150D	4143D	\$127.27	S 51	4630	\$37.21
<b>KOEHRING-BOMAG</b>	<b>[ KOBO ]</b>		P 47	5290	\$36.11
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<b>SAKAI</b>	<b>[ SAKI ]</b>	
BW 120AC	4168E	\$33.76	<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW 120AD	4169	\$34.25	SV 70	8025	\$56.72
BW 121AD	4193	\$30.75	SV 70D	8026	\$59.07
BW 130AD	4193E	\$36.07	SV 91	8050	\$84.84
BW 140AD	4194	\$56.04	SV 91D	8051	\$86.81
BW 141AC	4194B	\$55.40	SV 200D	8060	\$43.08
BW 141AD	4194E	\$50.42	<b>TAMPO</b>	<b>[ TAMP ]</b>	
BW 142D	4194H	\$38.44	<u>Model</u>	<u>Code</u>	<u>Rate</u>
BW 172	4212	\$47.66	RP 16D (HD)	5990	\$54.12
BW 172D	4212E	\$50.22	RP 28D	5995	\$72.22
BW 213D	4237	\$79.40	RP 48D	6110	\$93.79
BW 214D	4238	\$97.53	RP 58D	6115	\$86.18
BW 215D	4240	\$96.08	RS 16 (HD)	6170	\$51.24
BW 217D	4242	\$120.91	RS16A (HD)	6180	\$53.20
BW 220D	4250	\$90.31	RS 16D (HD)	6185	\$53.70
<b>MIKASA</b>	<b>[ MIKA ]</b>		RS 28C	6315	\$68.10
<u>Model</u>	<u>Code</u>	<u>Rate</u>	RS 28D	6320	\$69.33
MDR 7DW	4404	\$8.36	RS 58D	6327	\$84.71
MDR 9G	4405	\$12.01	RS 156A	6340	\$56.70
MDR T38S	4407	\$8.50	RS 166A	6350	\$74.47
MRV 10GA	4409	\$13.54	RS 188A	6370	\$94.82
			RS 210	6400	\$73.69

**WACKER [ WACK ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
R 900	<b>7850</b>	\$20.93
R 1000	<b>7855</b>	\$33.59
W 55T	<b>7860</b>	\$10.65
W 74L, W 74T	<b>7880</b>	\$10.52
W 74	<b>7890</b>	\$10.19
W 75	<b>7900</b>	\$10.73
WDH 84	<b>7910</b>	\$14.84
WDH 86-110	<b>7912</b>	\$18.59
WHK 90, WHK 90L	<b>7915</b>	\$18.23

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

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

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

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
LS 78	<b>4702</b>	\$67.06
LS 78 pipeliner	<b>4724</b>	\$69.07
LS 98	<b>4826</b>	\$75.67
LS 98 pipeliner	<b>4852</b>	\$81.87
LS 98A	<b>4924</b>	\$76.75
LS 108B	<b>4980</b>	\$86.02
LS 108D	<b>4981</b>	\$112.45
LS 118	<b>4998</b>	\$123.70
LS 218H	<b>5010</b>	\$206.03
LS 318	<b>5012</b>	\$123.53
LS 338	<b>5020</b>	\$134.76
LS 518	<b>5124</b>	\$198.59

**MANITOWOC [ MTWC ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
222EX (WEST)	<b>5600</b>	\$249.17
2900 WC	<b>5764</b>	\$109.48
3000 W	<b>5812</b>	\$136.89
3900B (100 ton)	<b>6036</b>	\$180.67
3900 W VICON series 2	<b>6132</b>	\$240.03
4000 W VICON	<b>6180</b>	\$216.72
4100 W VICON series 1	<b>6196</b>	\$327.89
4100 W VICON series 2	<b>6198</b>	\$337.22
4600 VICON series 1	<b>6328</b>	\$493.23
4600 VICON series 3	<b>6332</b>	\$558.48

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
535	<b>7716</b>	\$108.92
550	<b>7748</b>	\$114.96
670 WLC	<b>7892</b>	\$134.65

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

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

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

**AMERICAN HOIST & DERRICK [ AMHD ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
5470	<b>1015</b>	\$111.58
5530	<b>1080</b>	\$194.54
7450	<b>1130</b>	\$107.57
7460	<b>1140</b>	\$153.65
7530	<b>1170</b>	\$172.26
8460	<b>1178</b>	\$218.93
8470	<b>1179</b>	\$348.39

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
HC 48A	<b>4332</b>	\$66.60
HC 108B	<b>4960</b>	\$80.19
HC 108C	<b>4970</b>	\$117.61
HC 138	<b>4992</b>	\$86.95
HC 138A	<b>4995</b>	\$188.16
HC 218	<b>5050</b>	\$113.80
HC 218A	<b>5051</b>	\$187.44
HC 228H	<b>5054</b>	\$231.93
HC 238A, 238B	<b>5065</b>	\$191.38

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
440 TC	<b>7240</b>	\$83.73
650A TC	<b>7720</b>	\$118.20
670 TC	<b>7790</b>	\$121.81
790 TC	<b>7880</b>	\$113.24
8115A TC	<b>7950</b>	\$155.75

**SANBLASTING EQUIPMENT [ SANBL ]**

**DELAY FACTOR = 0.52 OVERTIME FACTOR = 0.51**

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

**REMOTE CONTROL ONLY [ REMC ]**

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
45 (100)	159 (350)	<b>010-035</b>	\$1.68
159 (350)	272 (600)	<b>035-060</b>	\$2.22
272 (600)	454 (1000)	<b>060-100</b>	\$2.25
454 (1000)	680 (1500)	<b>100-150</b>	\$2.82
680 (1500)	907 (2000)	<b>150-200</b>	\$3.15

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

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

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

**SAWS [ SAW ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
>3.7 (5)      30 amps @ 120V	<b>5-HP</b>	\$2.87

**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>	\$3.40
7.5 (10)	14.9 (20)	<b>10-20</b>	\$7.66
14.9 (20)	24.6 (33)	<b>20-33</b>	\$15.21
24.6 (33)	33.6 (45)	<b>33-45</b>	\$17.56
33.6 (45)	48.5 (65)	<b>45-65</b>	\$21.24

**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 = 0.14                      OVERTIME FACTOR = 0.87**

Includes all attachments and accessories.

**CATERPILLAR [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
613	<b>1395</b>	\$66.79
613B	<b>1400</b>	\$75.04
613C	<b>1402</b>	\$94.06
615	<b>1415</b>	\$129.64
615C	<b>1416</b>	\$141.73
621B cushion hitch	<b>1680</b>	\$164.76
623B	<b>1700</b>	\$170.01
623E	<b>1702</b>	\$201.82
623F	<b>1703</b>	\$211.56
627B push pull	<b>1770</b>	\$218.17

627E non push-pull	<b>1772</b>	\$233.33
627E push-pull	<b>1773</b>	\$237.91
631C 67M5012 serial	<b>2170</b>	\$187.83
631D	<b>2180</b>	\$233.09
631E	<b>2185</b>	\$256.08
633C non cushion hitch	<b>2305</b>	\$183.57
633C cushion hitch	<b>2315</b>	\$183.38
633C 66M693 serial	<b>2320</b>	\$193.09
633D	<b>2330</b>	\$242.66
637 cushion, non-push-pull	<b>2375</b>	\$276.95
637 non-cushion, push-pull	<b>2410</b>	\$279.11
637D non push-pull	<b>2460</b>	\$338.88
637D push-pull	<b>2470</b>	\$342.70
639D	<b>2475</b>	\$352.10
637E	<b>2476</b>	\$370.99
637E push-pull	<b>2477</b>	\$376.21
641B non cushion hitch	<b>2620</b>	\$233.72
641B cushion hitch	<b>2655</b>	\$275.67
651B non cushion hitch	<b>2935</b>	\$281.13
651B cushion hitch	<b>2970</b>	\$283.50
651E	<b>2975</b>	\$350.76
657B non cushion, non p-p	<b>3360</b>	\$444.76
657B cushion, push-pull	<b>3370</b>	\$451.01
657E non push-pull	<b>3375</b>	\$526.49
657E push-pull	<b>3380</b>	\$544.77
660B	<b>3470</b>	\$260.34
666B	<b>3600</b>	\$414.31

**JOHN DEERE**

**[ DEER ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD 760A	<b>3845</b>	\$66.37
JD 762	<b>3860</b>	\$82.23
JD 762A	<b>3865</b>	\$86.29
JD 762B	<b>3866</b>	\$101.29
JD 860A	<b>3920</b>	\$97.60
JD 860B	<b>3930</b>	\$102.57
JD 862	<b>3940</b>	\$121.77
JD 862B	<b>3942</b>	\$149.09

**INTERNATIONAL**

**[ INTL ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
412B	<b>5631</b>	\$83.22
431B	<b>5637</b>	\$162.28
433B	<b>5643</b>	\$236.41

**TEREX****[ TERX ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
S 11EB	<b>8245</b>	\$66.52
S 23E 33TOT-H-93SH, elev	<b>8250</b>	\$156.97
S 24 49LOT-76SH serial	<b>8260</b>	\$200.61
S 24B 023-024 serial	<b>8270</b>	\$243.50
S 24C	<b>8275</b>	\$264.85

**WABCO****[ WAB ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
101F	<b>8570</b>	\$76.24
101G	<b>8575</b>	\$77.25
111A	<b>8640</b>	\$72.62
222G	<b>8700</b>	\$142.44
222H	<b>8704</b>	\$161.24

**TRACTORS, CRAWLER****[ TRACC ]****DELAY FACTOR = 0.15****OVERTIME FACTOR = 0.87**

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	<b>1820</b>	\$30.50
350B	<b>1825</b>	\$32.49
450	<b>1868</b>	\$26.44
450B	<b>1869</b>	\$30.16
450C	<b>1869E</b>	\$33.98
475	<b>1870</b>	\$43.99
550	<b>2000</b>	\$35.53
650	<b>2100</b>	\$41.95
850	<b>2128</b>	\$35.65
850B	<b>2130</b>	\$38.61
850C	<b>2135</b>	\$42.33
850D	<b>2140</b>	\$44.74
1150B	<b>2250</b>	\$53.47
1150C	<b>2255</b>	\$58.86
1150D	<b>2257</b>	\$60.61
1150E	<b>2258</b>	\$62.80

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
D-3	<b>2340</b>	\$30.96
D-3B	<b>2345</b>	\$34.29
D-3 LGP	<b>2350</b>	\$31.58
D-3B LGP	<b>2355</b>	\$35.50
D-3B SA	<b>2370</b>	\$38.24
D-3C	<b>2380</b>	\$36.41
D4C Series III	<b>2450</b>	\$46.68
D-4D	<b>2655</b>	\$37.33

D-4E direct drive	<b>2660</b>	\$39.29
D-4E power shift	<b>2665</b>	\$40.54
D-4H	<b>2670</b>	\$51.14
D-4H LGP	<b>2675</b>	\$51.05
D-4H Series II	<b>2680</b>	\$52.31
D-4E SA	<b>2772</b>	\$47.45
D-4E LGP power shift	<b>2780</b>	\$40.73
D-4E LGP direct drive	<b>2782</b>	\$40.73
D-4G XL	<b>2790XL</b>	\$47.45
D-5	<b>3194</b>	\$53.70
D-5B power shift	<b>3206</b>	\$56.87
D-5B SA	<b>3325</b>	\$61.92
D-5B LGP	<b>3345</b>	\$59.45
D-5C	<b>3346</b>	\$50.65
D-5H	<b>3347</b>	\$67.98
D-5H Series II	<b>3348</b>	\$71.82
D-5H LGP	<b>3350</b>	\$70.91
D-6C direct drive	<b>3645</b>	\$69.59
D-6C power shift	<b>3688</b>	\$70.20
D-6C LGP	<b>3710</b>	\$72.63
D-6D	<b>3720</b>	\$80.58
D-6D SA	<b>3725</b>	\$90.41
D-6D LGP	<b>3730</b>	\$81.01
D-6H	<b>3732</b>	\$91.58
D-6H Series II	<b>3733</b>	\$96.03
D-6H LGP	<b>3735</b>	\$95.97
D-6M LGP	<b>3745</b>	\$89.31
D-6N XL	<b>3755</b>	\$92.02
D-6R DS	<b>3800</b>	\$101.64
D-6R XL	<b>3815</b>	\$106.73
D-7G	<b>4180</b>	\$121.43
D-7G LGP	<b>4200</b>	\$117.38
D-7G SA	<b>4210</b>	\$128.81
D-7H	<b>4215</b>	\$125.37
D-7H Series II	<b>4216</b>	\$134.48
D-7H LGP	<b>4220</b>	\$131.61
D-8K	<b>4858</b>	\$160.78
D-8L	<b>4862</b>	\$193.39
D-8L SA	<b>4863</b>	\$208.94
D-8N	<b>4864</b>	\$173.71
D-8R	<b>4870</b>	\$191.18
D-9H	<b>5160</b>	\$213.99
D-9L	<b>5165</b>	\$256.45
D-9N	<b>5170</b>	\$219.63
D-9R	<b>5175</b>	\$257.30
D-10	<b>5220</b>	\$393.25
D-10N	<b>5225</b>	\$317.82
D-10R	<b>5227</b>	\$354.89
D-11N	<b>5230</b>	\$495.53
D8T	<b>D8T</b>	\$236.74

**JOHN DEERE****[ DEER ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD 350C	5360	\$33.94
JD 350D	5365	\$38.03
JD 400G	5405	\$32.16
JD 450C	5474	\$34.32
JD 450D	5476	\$35.63
JD 450E	5478	\$36.17
JD 450G	5479	\$39.23
JD 450J LT/LGP	5479J	\$48.08
JD 550	5480	\$38.75
JD 550A	5481	\$41.99
JD 550B	5483	\$40.77
JD 550G	5484	\$45.75
JD 650G	5484A	\$51.20
JD 650H LGP	5484H	\$54.98
JD 750	5485	\$60.63
JD 750B	5486	\$66.50
JD 750 LGP	5487	\$63.47
JD 750B LGP	5488	\$80.85
JD 850	5490	\$79.28
JD 850B	5491	\$91.36
JD 850 LGP	5492	\$83.87
JD 850B LGP	5495	\$98.33

**DRESSER****[ DRES ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TD 7E	9100	\$35.30
TD 7G	9102	\$39.24
TD 8E	9105	\$43.06
TD 8G	9107	\$46.31
TD 12	9110	\$61.97
TD 12 LGP	9115	\$70.78
TD 15C	9120	\$87.41
TD 15E	9122	\$106.31
TD 15C LGP	9125	\$84.63
TD 20E	9130	\$117.11
TD 20G	9135	\$142.31
TD 20G LGP	9137	\$149.71
TD 25E	9139	\$166.76
TD 25G	9140	\$207.08

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
10C	6043	\$68.73
10C LGP	6044	\$69.59
14C	6048	\$86.66
FD 20	6056	\$124.39
21C	6060	\$143.63
FD 30	6060E	\$168.09

31

6061 \$228.20

FD 40

6061E \$260.81

**KOMATSU****[ KOMA ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
D 21P-6	7965	\$37.08
D 31A-16	7970	\$32.48
D 31A-17	7972	\$35.69
D 31E-17	7976	\$37.18
D 31E-18	7977	\$39.50
D 31P-16	7980	\$32.86
D 31P-17	7981	\$36.40
D 31P-17B	7981E	\$38.17
D 58E-1	8003	\$72.22
D 58P-1	8003H	\$79.93
D 65E-6	8070	\$83.35
D 65E-7, E-8	8072	\$92.98
D 65P-6	8080	\$86.00
D 65P-7 / D 65P-8	8082	\$96.35
D 68P-1	8083	\$106.20
D 68E-1	8085	\$101.17
D 83E-1	8087	\$123.63
D 83P-1	8088	\$124.97
D 85P-18	8090	\$133.33
D 85A-18	8114	\$116.52
D 85E-12	8120	\$102.14
D 85E-18	8140	\$126.54
D 135A-1	8150	\$162.68
D 155A-1	8160	\$188.11
D 155A-2	8161	\$187.71
D 375A-1	8175	\$298.72
D 375A-2	8176	\$332.17
D 455A-1	8180	\$366.43
D 475A-2	8186	\$519.84

**TRACTORS, HEAVY****[ TRACH ]****DELAY FACTOR = 0.15****OVERTIME FACTOR = 0.86**

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	\$110.70
814B	1410	\$162.70
824B	1720	\$179.33
824C	1730	\$219.27
834B	2010	\$330.98

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

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

**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	<b>A</b>	\$27.25
auger, w/ or w/o loader or dozer	<b>B</b>	\$27.70
backhoe, w/ or w/o loader or dozer	<b>C</b>	\$29.34

**OVER 37.3 kW (50 HP) [ >50 ]**

Including, but not limited to the following:  
 Bobcat-- 853, 863, 873, 943, 953, 980  
 Case-- 1845C  
 Deere-- 5300, 5400, 6200, 6300, 6400, 8875  
 Ford-- L783, L785, 250C, 260C  
 Gehl-- SL5625, SL6625, SL6635  
 Hydra-Mac-- 1850, 2650, 2650D  
 JCB-- 185Robot  
 Massey-Ferguson-- MF40E, MF50EX  
 Mustang-- 960, 2060  
 New Holland-- 4630, 5030, 5640, 6640, 7740, 7840, 8240, 8340,  
 L865, LX865, LX885, 345D, 545D  
 Ramrod-- 1750, 1950  
 Thomas-- T-173HL, T-173HLS, T173HLS II, T-203HD, T-  
 233HD  
 Trak-- 1700HD, 1700C, 1700CX, 1700XHP

<u>Model</u>	<u>Code</u>	<u>Rate</u>
with loader or dozer	<b>A</b>	\$36.50
auger, w/ or w/o loader or dozer	<b>B</b>	\$37.06
backhoe, w/ or w/o loader or dozer	<b>C</b>	\$38.77

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

**DELAY FACTOR = 0.36 OVERTIME FACTOR = 0.68**

**CHANGEABLE MESSAGE SIGN [ CMSN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Generator	<b>GEN1</b>	\$14.99
Generator w/ cell remote	<b>GEN2</b>	\$16.36
Solar	<b>SOL1</b>	\$10.51
Solar w/ cell remote	<b>SOL2</b>	\$11.87

**FLASHING ARROW SIGN [ FLAS ]**

Including supplies, replacements and servicing.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Roof mounted	<b>RM</b>	\$0.93
Trailer mounted	<b>TM</b>	\$3.47

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

**DELAY FACTOR = 0.72 OVERTIME FACTOR = 1.00**

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

**(1) BARRICADES [ 1BAR ]**

(A) 750 mm to 900 mm high & 600 mm to 900 mm wide (30 to 36 inches high & 24 to 36 inches wide)  
 (B) 1500 mm high by 1200 mm wide min. (60" high by 48" wide min.)

<u>Model</u>	<u>Code</u>	<u>Rate</u>
each with flasher	<b>A1</b>	\$0.51
each without flasher	<b>A2</b>	\$0.26
each	<b>B3</b>	\$1.16

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

Lost or destroyed are no longer paid on invoice.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
450 mm (18") high, per 100	<b>A100</b>	\$9.24
700 mm (28") high, per 100	<b>B100</b>	\$16.04
700 mm (28") high w/ refl sleeve, per 100	<b>D100</b>	\$24.84
1,050 mm (42") high w/ refl sleeve, per 100	<b>E100</b>	\$41.32

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

Lost or destroyed are no longer paid on invoice.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
per 100	<b>100</b>	\$26.31

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
incl 900 mm x900 mm (3'x3') sign & batteries	<b>12V</b>	\$6.43

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
portable 12 volt	<b>12V</b>	\$6.57

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
incl sign, stand & 3 flags	<b>EACH</b>	\$2.97

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Del. drum w/ base per 100	<b>100</b>	\$65.54



**TRAILERS, EQUIPMENT, LOW BED [ TRAIL ]**

**DELAY FACTOR = 0.43 OVERTIME FACTOR = 0.62**

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	\$15.46
8 Tires per axle	200	\$19.49

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

Model	Code	Rate
3 axle		
4 Tires per axle	300	\$20.76
8 Tires per axle	400	\$24.06

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

Model	Code	Rate
4 axle		
4 Tires per axle	500	\$33.29
8 Tires per axle	600	\$41.31

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

Model	Code	Rate
6 axle		
8 Tires per axle	700	\$66.18

**TRAILERS, EQUIPMENT, TILT BED [ TRAIT ]**

**DELAY FACTOR = 0.43 OVERTIME FACTOR = 0.62**

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

**TILT BED 1 AXLE [ TB-1 ]**

OVER	TO	Code	Rate
0	1.8 (2)	00-02	\$0.82
1.8 (2)	3.6 (4)	02-04	\$0.88

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

OVER	TO	Code	Rate
3.6 (4)	5.4 (6)	04-06	\$1.46
7.3 (8)	9.1 (10)	08-10	\$4.53
9.1 (10)	10.9 (12)	10-12	\$5.22
10.9 (12)	12.7 (14)	12-14	\$5.87
12.7 (14)	14.5 (16)	14-16	\$6.52
14.5 (16)	16.3 (18)	16-18	\$6.31
16.3 (18)	18.1 (20)	18-20	\$6.09
18.1 (20)	20.0 (22)	20-22	\$6.98
20.0 (22)	22.7 (25)	22-25	\$6.78

**TRENCHING MACHINES [ TRENC ]**

**DELAY FACTOR = 0.12 OVERTIME FACTOR = 0.90**

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

**BOBCAT [ BCAT ]**

Model	Code	Rate
T 116	2000	\$13.02
T 135	2010	\$30.04
T 136	2020	\$30.37
T 208	2030	\$6.74
3022	2040	\$30.82

**CASE [ CASE ]**

Model	Code	Rate
TL 70	9051	\$5.49
TL 100	9053	\$7.90
TL 120	9055	\$9.54
TL 200	9070	\$9.71
16+4	9120	\$14.05
25+4	9170	\$19.46
25 + 4 XP	9171	\$24.68
30+4 standard	9224	\$27.49
DH 4	9255	\$37.01
DH 4B	9256	\$40.62
DH 5	9257	\$35.62
DH 5 QUAD	9259	\$36.46
DH 7	9261	\$42.16
360	9263	\$29.61
ROAD RUNNER 380	9277	\$40.35
TF 300	9374	\$18.51
TF 700	9398	\$25.00
TF 800	9405	\$32.60
TF 1000	9460	\$37.87
760	9465	\$39.14

**DITCH WITCH [ D-W ]**

Model	Code	Rate
R 30	5390	\$25.21
R 36D	5400	\$31.21
R 40	5432	\$32.69
R 65	5556	\$33.67
R 100	5565	\$81.11
V 30	5618	\$24.05
1410	5620	\$9.86
1420	5625	\$10.53
1500	5630	\$7.33
1620	5635	\$13.76
1810	5640	\$14.12
2020	5645	\$17.68

2200	5650	\$16.72
2300	5660	\$25.26
2310	5662	\$26.57
3210	5670	\$28.76
3210 Combo	5675	\$29.63
3500	5676	\$33.90
4010	5677	\$43.49
4010 Combo	5678	\$33.71
5010	5679	\$33.82
6510	5680	\$40.28
6510 Combo	5685	\$43.38

**MIDMARK [ MDMK ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
300 A	7945	\$25.03
321	7950	\$26.30
400 A	7955	\$31.97
440	7960	\$40.20

**VERMEER [ VERM ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
CC-135	8350	\$88.06
M 220	8380	\$16.68
M 455 / M455A	8480	\$39.19
M 475	8570	\$41.42
M 475A	8571	\$46.99
M 485	8580	\$45.26
M 495	8585	\$73.49
T 300B, T 300A	8718	\$25.84
T 400C, T 400B, T 400A	8781	\$56.17
T 600D, C, B, A	8842	\$80.98
T 650	8843	\$136.31
T 800B, T 800A, T800	8870	\$129.70
T 800C	8871	\$141.57
T 850	8875	\$252.30
V 430	8950	\$29.48
V 430A	8951	\$33.12
V 434 / M 434	9000	\$28.43
V 440	9015	\$31.49
V 450	9017	\$37.21
V 454	9020	\$32.33
V 1550	9025	\$15.58

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

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

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>
<b>CARS , LIGHT TRUCKS</b>			
3175 (7000)	5443 (12000) No small pickups	<b>00-06</b>	\$27.42
		<b>06-12</b>	\$31.00
5443 (12000)	9072 (20000)	<b>12-20</b>	\$40.16
9072 (20000)	12701(28000)	<b>20-28</b>	\$42.49
12701 (28000)	16330 (36000)	<b>28-36</b>	\$47.91
16330 (36000)	21773 (48000)	<b>36-48</b>	\$64.07
21773 (48000)	27216 (60000)	<b>48-60</b>	\$70.62
27216(60000) & Over		<b>60</b>	\$79.48

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

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

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>	\$49.67
16.3 (18)	20.0 (22)	<b>18-22</b>	\$88.77
20.0 (22)	24.5 (27)	<b>22-27</b>	\$110.88
24.5 (27)	29.0 (32)	<b>27-32</b>	\$126.75
29.0 (32)	36.3 (40)	<b>32-40</b>	\$172.22
36.3 (40)	49.9 (55)	<b>40-55</b>	\$255.55
49.9 (55)	60.8 (67)	<b>55-67</b>	\$286.99

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

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

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

**TRUCK ON-HIGHWAY [ TRUN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2 axles	<b>2AXL</b>	\$54.69
3 axles	<b>3AXL</b>	\$71.55
4 axles	<b>4AXL</b>	\$80.63
5 axles	<b>5AXL</b>	\$90.06

**WELDING EQUIPMENT [ WELD ]**

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

**ARC WELDING MACHINES [ AWM ]**

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	250	<b>0-250</b>	\$6.13
250	500	<b>250-500</b>	\$11.85
over	500	<b>500</b>	\$12.27

**GAS WELDING OUTFIT [ GWO ]**

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
ALL	<b>ALL</b>	\$0.29