

State of California  
Business, Transportation, and Housing Agency  

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Department of Transportation  
Division of Construction

# Labor Surcharge and Equipment Rental Rates

(Cost of Equipment Ownership)



Effective April 1, 2014 through March 31, 2015

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## Table of Contents

	Labor Surcharge .....	A
	Overtime and Multiple Shifts .....	C
	Delays .....	D
	Daily Extra Work Bill .....	D
	Attachments .....	1
AIRCP	Air Compressors .....	1
AIRDL	Air Drills, Crawler .....	1
AIRTO	Air Tools .....	1
ASDSP	Asphalt Dike and Shoulder Pavers .....	2
ASPAV	Asphalt Pavers .....	2
ASPWP	Asphalt Windrow/Pickup Machines.....	3
AUGCL	Augers, Crawler Mounted .....	3
AUGHZ	Augers, Horizontal .....	3
AUGTK	Augers, Truck Mounted.....	3
BITDT	Bituminous Distributors .....	4
BRMSW	Brooms and Sweeping Equipment.....	4
BRUCP	Brush Chipping and Shredding Machines .....	4
COMHG	Compactors, Hand Guided .....	4
CONMX	Concrete Mixers .....	4
CONPM	Concrete Pumps .....	5
CONSF	Concrete Slipform Pavers .....	5
CONVB	Concrete Vibrators .....	5
CRBEX	Curb Extrusion Machines.....	5
CRBSF	Concrete Barrier Slipform Pavers .....	5
ELGEN	Electric Generators and Light Plants .....	6
ELTOL	Electric Powered Hand Tools.....	6
FKLFT	Fork Lift Trucks .....	6
GRADR	Graders .....	6
HAMMR	Hammers, Demolition and Pile .....	7
HCECL	Hydraulic Cranes and Excavators, Crawler Mounted .....	8

HCESP	Hydraulic Cranes and Excavators, Self Propelled .....	11
HCETD	Hydraulic Cranes and Excavators, Truck Mounted with Carrier .....	13
HCETG	Hydraulic Cranes and Excavator Truck MTD less Carrier .....	15
HYLFT	Hydraulic Personnel Lifts and Aerial Work Platforms .....	15
LDRCL	Loaders, Crawler .....	16
LDRRT	Loaders, Rubber Tire .....	17
LEADS	Leads, Pile Driving .....	20
NONOP	Non-Operated Equipment (daily rates) .....	20
PGDIA	Pavement Grinders, Diamond Blade .....	22
PGT-C	Pavement Grinders, Tungsten-Carbide Bits .....	22
PUMWA	Pumps, Water .....	22
ROL-2	Rollers, Tandem Steel Wheels .....	23
ROLRT	Rollers, Rubber Tire, Self Propelled .....	24
ROTAM	Roller-Tapping, Segmented, Sheepsfoot, Self Propelled .....	24
ROTAT	Rollers-Tamping, Segmented, Sheepsfoot Towed .....	24
ROVIB	Rollers, Vibratory, Self Propelled .....	24
S&CCL	Shovels and Cranes, Crawler .....	27
S&CTK	Shovels and Cranes, Truck Mounted .....	28
SANBL	Sand Blasting Equipment.....	28
SAWCH	Saws, Chain and Earth Auger Attachment .....	28
SAWCO	Saws, Concrete and Masonry.....	28
SCRSP	Scrapers, Self Propelled .....	29
TRACC	Tractors, Crawler.....	29
TRACH	Tractors, Heavy .....	31
TRACS	Tractors, Rubber Tire, Industrial, Farm and Skid Steer .....	31
TRAFA	Traffic Control and Safety Devices (hourly rates).....	32
TRAFC	Traffic Control and Safety Devices (daily rates) .....	32
TRAIL	Trailers, Equipment, Low Bed.....	32
TRAIT	Trailers, Equipment, Tilt Bed.....	33
TRENC	Trenching Machines.....	33
TRUCK	Truck, Truck Trailers, EXCL Dump Trucks and EQPT Trail .....	34
TRUOF	Trucks, Off Highway.....	34
TRUON	Trucks, Dump, On-highway .....	34
WELD	Welding Equipment.....	34

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FOR DOUBLE-SIDED PRINTING

**USER'S GUIDE**  
**FOR LABOR SURCHARGE AND EQUIPMENT RENTAL RATES**  
**April 1, 2014 - March 31, 2015**

Equipment Rental Rates are available on the Internet at:

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

Miscellaneous Equipment Rental Rates are available on the Internet at:

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

The miscellaneous listing is updated daily.

## **Changes**

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

Changes to the equipment rates in the April 1, 2014 book are the result of: 1) fuel costs decreased; 2) interest rates increased; 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, 2014 book are the result of changes in worker's compensation rates. The rates were derived from using the pure premium rate approved by the Insurance Commissioner effective January 1, 2014 and increasing it by the historical statewide average expense. In the calculation of the labor surcharge for overtime work, the worker's compensation is not included on the premium portion of overtime, as provided by worker's compensation regulations.

The surcharge percentage to be applied to the actual wages paid as provided in Section 9-1.04B [9-1.03A(1b)] of the *Standard Specifications* will be **12 percent for regular time (RT) and 12 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 .....	13	12
Drilling .....	16	14
Fence & Guardrail Construction .....	15	14
Erection of structural metal for metal bridges, excluding sign bridge .....	17	15
Landscape Gardener .....	13	12
Mobil Crane & Hoist Service .....	16	14
Painting Steel Structures or Bridges .....	17	15
Pile Driving, not including drilled, cast-in-place concrete piles .....	15	14
Sign Erection or Repair .....	20	18
Wrecking & Demolition .....	14	13

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

## Background

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

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

## Overtime and Multiple Shifts

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

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

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

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

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

## Delays

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

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

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

## Use of Daily Extra Work Bill

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

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

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



# EQUIPMENT RENTAL RATE

NOTE--THE FOLLOWING RATES ARE IN EFFECT FROM APRIL 1, 2014 THROUGH MARCH 31, 2015

## ATTACHMENTS

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

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

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Clam action bucket 1 CY & Less	<b>C1</b>	\$3.85
Clam action Over 1 CY to 2 CY	<b>C2</b>	\$6.77
Clam action Over 2 CY to 3.5 CY	<b>C3</b>	\$9.80
Clam action Over 3.5 CY to 5 CY	<b>C4</b>	\$13.97
Clam action bucket Over 5 CY	<b>C5</b>	\$19.31
Ripper on No. 1 models	<b>R1</b>	\$2.31
Ripper on No. 2 models	<b>R2</b>	\$3.03
Ripper on No. 3 models	<b>R3</b>	\$5.05
Ripper on No. 4 models	<b>R4</b>	\$5.72
Ripper on No. 5 models	<b>R5</b>	\$9.39
Ripper on No. 6 models	<b>R6</b>	\$14.85
Ripper on No. 7 models	<b>R7</b>	\$17.22
Ripper on No. 8 models	<b>R8</b>	\$28.64
Winch on No. 1 models	<b>S1</b>	\$2.74
Winch on No. 2 models	<b>S2</b>	\$4.09
Winch on No. 3 models	<b>S3</b>	\$5.42
Winch on No. 4 models	<b>S4</b>	\$6.95
Winch on No. 5 models	<b>S5</b>	\$12.17
Lift gate	<b>TG</b>	\$0.79
Pump, water truck only	<b>TP</b>	\$5.43
Winch, truck	<b>TW</b>	\$0.29
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>	\$0.17

## AIR COMPRESSOR

[ AIRCP ]

**DELAY FACTOR = 0.12**

**OVERTIME FACTOR = 0.90**

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

### PORTABLE

[ PORT ]

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	19 (40)	<b>000-004</b>	\$5.36
19 (40)	76 (160)	<b>004-016</b>	\$19.92
76 (160)	118 (250)	<b>016-025</b>	\$21.33
118 (250)	212 (450)	<b>025-045</b>	\$36.56
212 (450)	354 (750)	<b>045-075</b>	\$61.01
354 (750)	566 (1200)	<b>075-120</b>	\$88.04
566 (1200)	708 (1500)	<b>120-150</b>	\$115.18

## AIR DRILLS, CRAWLER

[ AIRDL ]

**DELAY FACTOR = 0.48**

**OVERTIME FACTOR = 0.57**

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

### CRAWLER DRILLS

[ CLR ]

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	100 (4)	<b>0-4</b>	\$23.75
100 (4)	& Over	<b>5</b>	\$24.30

## AIR TOOLS

[ AIRTO ]

**DELAY FACTOR = 0.61**

**OVERTIME FACTOR = 0.42**

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

### AIR TOOLS

[ ATOL ]

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	4.5 (10)	<b>0-10</b>	\$0.39
4.5 (10)	9.1 (20)	<b>10-20</b>	\$0.42
9.1 (20)	13.6 (30)	<b>20-30</b>	\$0.77
13.6 (30)	18.1 (40)	<b>30-40</b>	\$0.90
18.1 (40)	27.2 (60)	<b>40-60</b>	\$0.97
27.2 (60)	& Over	<b>60</b>	\$1.37

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

**DELAY FACTOR = 0.11 OVERTIME FACTOR = 0.92**

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

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
No. 1	<b>4050</b>	\$84.69
No. 2	<b>4052</b>	\$65.60
Nos. 43, 44	<b>4054</b>	\$84.39

**ASPHALT PAVING COMPANY [ APCO ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
E-1	<b>4000</b>	\$111.02
E-2, E3	<b>4002</b>	\$199.10

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
RW-35 / 38	<b>4075</b>	\$76.53
RW-85	<b>4077</b>	\$42.27
RW-95	<b>4079</b>	\$67.62
RW-100	<b>4081</b>	\$111.88
RW-195D	<b>4083</b>	\$154.93

**DELTA [ DLTA ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
DC-1	<b>4095</b>	\$154.79

**ASPHALT PAVERS [ ASPAV ]**

**DELAY FACTOR = 0.16 OVERTIME FACTOR = 0.88**

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

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BG 220	<b>0805</b>	\$95.41
BG 225	<b>0810</b>	\$102.86
BG 240	<b>0815</b>	\$112.78
BG 245	<b>0820</b>	\$122.55
BG 260	<b>0825</b>	\$146.82
BG 260B	<b>0826</b>	\$185.48
BG 265	<b>0830</b>	\$164.17
RT 435, 4wd	<b>0905</b>	\$121.44
RT 445, 4wd	<b>0925</b>	\$116.64
RT 455, 4wd	<b>0945</b>	\$114.70
RT 455, 4wd, 10-20' screed	<b>0955</b>	\$118.45
RT 465, 4wd	<b>0965</b>	\$153.32
SA 125	<b>1419E</b>	\$91.50
SB 131	<b>1420</b>	\$113.12
SB 140	<b>1425</b>	\$141.08
SA 141	<b>1430</b>	\$97.59
SA 145	<b>1432</b>	\$120.07
SA 150	<b>1435</b>	\$152.63

SB 170 **1440** \$156.77

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
PF-22	<b>1490</b>	\$43.10
PF-35	<b>1550</b>	\$77.20
PF-115	<b>1750</b>	\$119.03
PF-120H	<b>2010</b>	\$110.66
PF-171	<b>2090</b>	\$165.90
PF-180	<b>2100</b>	\$77.15
PF-180H	<b>2204</b>	\$174.65
PF-200	<b>2250</b>	\$175.29
PF-200, 18' screed	<b>2252</b>	\$178.18
PF-220	<b>2300</b>	\$179.09
PF-400A	<b>2350</b>	\$154.37
PF-500	<b>2404</b>	\$194.09
PF-500, 18' screed	<b>2406</b>	\$197.19
PF-510, 18' screed	<b>2407</b>	\$203.28
PF-3172, 18' screed	<b>2408</b>	\$167.04
PF-3200	<b>2410</b>	\$226.66
PF-5510	<b>2415</b>	\$237.62

**CATERPILLAR [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
AP-200	<b>2420</b>	\$49.13
AP-800	<b>2430</b>	\$121.65
AP-1050	<b>2431</b>	\$188.68
AP-1000	<b>2435</b>	\$185.19
AP-1000 4wd	<b>2436</b>	\$191.19
AP-1055B	<b>2438</b>	\$235.15
AP-1055D	<b>2438D</b>	\$294.78
AP-1200	<b>2440</b>	\$156.48

**CEDAR RAPIDS [ CEDR ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BSF-2H	<b>2550</b>	\$102.43
BSF-3R	<b>2600</b>	\$113.79
CR-351	<b>2668A</b>	\$158.92
CR-351 4wd	<b>2668B</b>	\$163.70
CR-361R (RUBBER TRACK)	<b>2668R</b>	\$192.94
CR-431	<b>2669</b>	\$134.31
CR-551	<b>2670</b>	\$213.93
CR-461	<b>2672</b>	\$211.80
CR-561	<b>2674</b>	\$223.90

**LAYTON [ LYTN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
F-525	<b>2680</b>	\$24.35
D-550	<b>2682</b>	\$26.84
H-500B	<b>2684</b>	\$7.15

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

Includes all attachments and accessories.

<b>ATHEY [ ATHY ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
7-11	<b>5000</b>	\$104.18
<b>BARBER-GREENE [ B-G ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
BG-610H	<b>5100</b>	\$70.95
<b>CATERPILLAR [ CAT ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
WE-601B	<b>5200</b>	\$80.21
<b>CLARK'S WELDING COMPANY [ CLAR ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
500	<b>5300</b>	\$61.10
601	<b>5304</b>	\$57.30
Lincoln 660	<b>5305</b>	\$107.58
<b>C.M.I. [ CMI ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
851	<b>5405</b>	\$101.45

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

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

<b>BAYSHORE [ BYSH ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
8400 TD limited access	<b>1500</b>	\$123.88
<b>TEXOMA [ TXMA ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
TAURUS	<b>2010</b>	\$254.63
700CL	<b>2100</b>	\$144.11
<b>WATSON [ WATS ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
2000CM	<b>2500</b>	\$112.58
2500CM	<b>2505</b>	\$172.90
3000CM	<b>2510</b>	\$196.16
3100CM	<b>2515</b>	\$203.19

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

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

<b>AKKERMAN [ AKMN ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
360	<b>5000</b>	\$112.50
420 series 1250	<b>5002</b>	\$115.37
<b>AMERICAN AUGER [ AMAU ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
36-350	<b>5014</b>	\$31.71
<b>BORZALL [ BORZ ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
2300-10	<b>5040</b>	\$11.03
4265-10	<b>5042</b>	\$15.39
<b>DITCH WITCH [ D-W ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
2510	<b>5040</b>	\$48.94

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

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

<b>ATLANTIC [ ATLN ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
LDH-80	<b>5000</b>	\$184.78
LDH-100	<b>5005</b>	\$156.09
LLDH-80	<b>5010</b>	\$198.52
LLDH-120	<b>5015</b>	\$211.46
<b>CALWELD [ CALW ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
150-A	<b>5050</b>	\$95.84
200	<b>5052</b>	\$118.34
4500LH	<b>5054</b>	\$204.70
<b>HUGHES [ HUGH ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
EZ 112	<b>5070</b>	\$66.65
EZ 120	<b>5071</b>	\$75.24
LDH-100	<b>5072</b>	\$121.15
LDH-80	<b>5074</b>	\$119.63
LLDH-120	<b>5076</b>	\$175.51
LLDH-80	<b>5078</b>	\$162.97

<b>P.D.E.</b>	<b>[ PDE ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
M -100	<b>5084</b>	\$49.82	
M-400 with hammer	<b>5085</b>	\$36.80	

<b>TEXOMA</b>	<b>[ TXMA ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
Economatic 115	<b>5087</b>	\$95.61	
Super Economatic	<b>5089</b>	\$97.82	
80	<b>5090</b>	\$141.43	
270	<b>5093</b>	\$96.28	
330	<b>5095</b>	\$101.57	
330 with hammer	<b>5095B</b>	\$117.39	
500 with hammer	<b>5096B</b>	\$119.22	
600	<b>5097</b>	\$124.67	
700	<b>5099</b>	\$194.65	

<b>WATSON</b>	<b>[ WATS ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
1000	<b>6010</b>	\$83.02	
2000	<b>6012</b>	\$159.30	
3000	<b>6014</b>	\$186.38	

<b>BITUMINOUS DISTRIBUTORS</b>	<b>[ BITDT ]</b>
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**DELAY FACTOR = 0.12**      **OVERTIME FACTOR = 0.89**  
 Includes all equipment for handling bituminous materials under pressure.  
 Includes pumps, spray bars and other attachments and accessories.

<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>	\$7.34

<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>	\$66.59
3028 (800)	5299 (1400)	<b>08-14</b>	\$84.60
5299 (1400)	6831 (1800)	<b>14-18</b>	\$87.10
6831 (1800)	11355 (3000)	<b>18-30</b>	\$88.80
11355 (3000)	15140 (4000)	<b>30-40</b>	\$92.37

<b>BROOMS &amp; SWEEPING EQUIPMENT</b>	<b>[ BRMSW ]</b>
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**DELAY FACTOR = 0.13**      **OVERTIME FACTOR = 0.88**  
 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>	\$32.28	

<b>BROOMS - SELF PROPELLED</b>	<b>[ SFPR ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
ALL	<b>ALL</b>	\$46.62	
<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>	\$106.99
2.3 (3.0)	4.6 (6.0)	<b>3-6</b>	\$141.37
4.6 (6.0)	6.9 (9.0)	<b>6-9</b>	\$167.59

<b>BRUSH CHIPPING &amp; SHREDDING MACHINES</b>	<b>[ BRUCP ]</b>
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**DELAY FACTOR = 0.06**      **OVERTIME FACTOR = 0.94**  
 Includes all attachments, accessories and power unit. Rated in accordance with the cutter head width in millimeters(inches)

<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>	\$32.72
230 (9)	300 (12)	<b>09-12</b>	\$51.70
300 (12)	405 (16)	<b>12-16</b>	\$50.68

<b>COMPACTORS, HAND GUIDED</b>	<b>[ COMHG ]</b>
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**DELAY FACTOR = 0.17**      **OVERTIME FACTOR = 0.85**  
 Includes pan, vibrating plate, rammer and jumping jack type compactors(gas or diesel). Includes all attachments and accessories. Listed in accordance with the weight in kilograms(pounds)

<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>	\$4.24
113 (250)	& Higher	<b>250</b>	\$9.84

<b>CONCRETE MIXERS</b>	<b>[ CONMX ]</b>
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**DELAY FACTOR = 0.10**      **OVERTIME FACTOR = 0.91**  
**STATIONARY OR PORTABLE**      **[ SORP ]**  
 Rated by Mfr's capacity in cubic meters (sacks or cubic feet).

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	0.10 (3.5)	<b>0-3.5</b>	\$2.36
0.10 (3.5)	0.17 (6.0)	<b>03.5-6</b>	\$3.39
0.17 (6.0)	0.31 (11)	<b>06-11</b>	\$4.34
0.31 (11)	0.45 (16)	<b>11-16</b>	\$6.14

<b>TRANSIT MIX</b>	<b>[ TRMX ]</b>		
PTO type, including carrier. Rated by Mfr's capacity in cubic meters (cubic yards).			
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
6.4 (9)	7.6 (10)	<b>09-10</b>	\$156.84
7.6 (10)	9.2 (12)	<b>10-12</b>	\$159.09

**CONCRETE PUMPS**

[ CONPM ]

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

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

<b>ELBA</b> [ ELBA ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
K-8020	1000	\$95.84

<b>MAYCO</b> [ MACO ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
C-30HD	1020	\$19.21
LST-30/60S	1024	\$32.51

<b>SCHWING</b> [ SHWG ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
BPA-1000	1050	\$37.35
WP-1000X	1052	\$51.56
WP-1250X	1054	\$66.88
900-1200 w/28 m boom	1055	\$92.08
900-1200 w/32 m boom	1057	\$99.64
BPL 1200 w/36 m boom	1058	\$112.59

<b>THOMSEN</b> [ THOM ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
A-3.75 w/ mixer	1070	\$25.55
A-7	1072	\$22.86
11 pump w/28 m boom	1078	\$105.09
12 pump w/32 m boom	1082	\$112.33
14 pump w/36 m boom	1084	\$163.05

**CONCRETE SLIPFORM PAVERS**

[ CONSF ]

**DELAY FACTOR = 0.18****OVERTIME FACTOR = 0.86**

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

<b>C.M.I.</b> [ CMI ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
SF-250	2002	\$170.01
SF-350 series 2	2004	\$268.40
SF-550	2006	\$361.64

<b>GOMACO</b> [ GOMA ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
GP-2000	2020	\$172.79
GP-2500	2022	\$194.61
GP-3500	2024	\$275.24

**CONCRETE VIBRATORS**

[ CONVB ]

**DELAY FACTOR = 0.30****OVERTIME FACTOR = 0.72**

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

<b>CONCRETE VIBRATORS</b> [ CVIB ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
Each Vibrating Head	EVHD	\$1.06

**CURB EXTRUSION MACHINES**

[ CRBEX ]

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

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

<b>CURB EXTRUSION MACHINE</b> [ CEM ]			
<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	460 (18)	0-18	\$32.49
460 (18)	& Over	18 PLUS	\$94.15

**CONCRETE BARRIER SLIPFORM PAVERS**

[ CRBSF ]

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

Includes all attachments, accessories and barrier or curb molds.

<b>C.M.I.</b> [ CMI ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
SF-175	3000	\$125.17

<b>CURBMASTER</b> [ CURB ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
CMT-800	3020	\$76.96

<b>GOMACO</b> [ GOMA ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
GT-6000-(78&90)	3040	\$86.70
COMMANDER II	3045	\$98.37
COMMANDER III	3050	\$136.58

<b>MILLER FORMLESS</b> [ MILL ]		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
M-7500	3063	\$101.73
M-8100	3065	\$142.99
M-8800	3067	\$178.31

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

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

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

**GENERATOR [ GEN ]**

Rated in accordance with Mfr's output in kilowatts.

OVER	TO	Code	Rate
0	1	<b>000-001</b>	\$0.89
1	3	<b>001-003</b>	\$2.10
3	7.5	<b>003-008</b>	\$4.30
7.5	15	<b>008-015</b>	\$9.61
15	25	<b>015-025</b>	\$15.10
25	50	<b>025-050</b>	\$15.18
50	100	<b>050-100</b>	\$27.53
100	200	<b>100-200</b>	\$55.89
200	300	<b>200-300</b>	\$95.66
300	400	<b>300-400</b>	\$130.08
400	500	<b>400-500</b>	\$162.80

**LIGHTS [ LITE ]**

Includes trailer, pole and generator.

Model	Code	Rate
2 Light Set	<b>2 LIGHT</b>	\$4.19
4 Light Set	<b>4 LIGHT</b>	\$8.32

**ELECTRIC POWERED HAND TOOLS [ ELTOL ]**

**DELAY FACTOR = 0.61 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 ]**

OVER	TO	Code	Rate
450	600	<b>045-060</b>	\$0.28
600	800	<b>060-080</b>	\$0.37
800	1000	<b>080-100</b>	\$0.46

**FORK LIFT TRUCKS [ FKLFT ]**

**DELAY FACTOR = 0.19 OVERTIME FACTOR = 0.82**

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

**FORK LIFT TRUCKS [ FLT ]**

OVER	TO	Code	Rate
454 (1000)	1814 (4000)	<b>010-040</b>	\$30.78
1814 (4000)	2722 (6000)	<b>040-060</b>	\$41.02
2722 (6000)	3629 (8000)	<b>060-080</b>	\$46.19
3629 (8000)	5443 (12000)	<b>080-120</b>	\$64.45
5443 (12000)	7258 (16000)	<b>120-160</b>	\$67.11
7258 (16000)	9072 (20000)	<b>160-200</b>	\$78.47
9072 (20000)	11340 (25000)	<b>200-250</b>	\$77.11

11340 (25000)	13608 (30000)	<b>250-300</b>	\$85.40
13608 (30000)	18144 (40000)	<b>300-400</b>	\$107.74
18144 (40000)	22680 (50000)	<b>400-500</b>	\$127.62
22680 (50000)	34020 (75000)	<b>500-750</b>	\$173.00

**GRADERS [ GRADR ]**

**DELAY FACTOR = 0.10 OVERTIME FACTOR = 0.91**

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

**BLADE-MOR [ BMOR ]**

Model	Code	Rate
727	<b>2173</b>	\$28.88
747	<b>2178</b>	\$41.42

**CATERPILLAR [ CAT ]**

Model	Code	Rate
120G 87V serial	<b>2685</b>	\$76.45
130G 74V serial	<b>2695</b>	\$84.49
12E 99E serial	<b>2710</b>	\$55.36
12F 73G serial	<b>2768</b>	\$83.91
12F 13K serial	<b>2826</b>	\$64.23
12F 89H serial	<b>2884</b>	\$64.71
12G 61M serial	<b>2890</b>	\$86.24
12H	<b>2895</b>	\$92.97
14E 72G serial	<b>3174</b>	\$86.13
14G	<b>3180</b>	\$128.45
14H	<b>3185</b>	\$141.40
140 14U serial	<b>3250</b>	\$87.15
140G 72V serial	<b>3260</b>	\$93.51
140H	<b>3265</b>	\$99.44
143H	<b>3267</b>	\$111.01
16 49G serial	<b>3290</b>	\$112.25
16 49G800 serial	<b>3348</b>	\$164.30
16 G93U serial	<b>3360</b>	\$178.52
16H	<b>3380</b>	\$188.29
160H	<b>3385</b>	\$117.14
163H	<b>3390</b>	\$122.71

**JOHN DEERE [ DEER ]**

Model	Code	Rate
JD-570A	<b>3890</b>	\$50.53
JD-570B	<b>3892</b>	\$58.20
JD-670	<b>3900</b>	\$66.43
JD-670A	<b>3905</b>	\$72.39
JD-670CH	<b>3907</b>	\$92.86
JD-770	<b>3910</b>	\$75.51
JD-770A, 770A-H	<b>3915</b>	\$87.88
JD-770B	<b>3916</b>	\$95.07
JD-772CH	<b>3930</b>	\$112.93

<b>GALION</b>	<b>[ GALN ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
A-400E	4940	\$71.02
T-400A	4980	\$68.41
T-500C	5150	\$79.33
T-500L	5204	\$79.36
T-500M	5210	\$81.55

<b>KOMATSU</b>	<b>[ KOMA ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
GD 505A-2	8980	\$74.19
GD 515A-1	8986	\$76.46
GD 605A-2	9000	\$81.97
GD 615A-1	9005	\$88.40
GD 625A-1C	9007	\$112.77
GD 655A-2	9010	\$91.29

<b>HAMMERS, DEMOLITION &amp; PILE</b>	<b>[ HAMMR ]</b>
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**DELAY FACTOR = 0.21                      OVERTIME FACTOR = 0.81**  
 Includes attachments, accessories and power unit. Does not include carrier.

<b>ABI</b>	<b>[ ABI ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
HVR-60	0100	\$40.79

<b>AMERICAN PILE DRIVING EQUIPMENT</b>	<b>[ APE ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
150	0010	\$173.82
180	0050	\$241.30
200/500	0060	\$267.89
300 VIBRO	0075	\$299.37
400B VIBRO	0085	\$479.86

<b>ALLIED STEEL &amp; TRACTOR</b>	<b>[ AS&amp;T ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
800	0300	\$60.09
HYRAM 720	0310	\$6.78
HYRAM 725	0320	\$13.27
HYRAM 730	0330	\$15.76
HYRAM 740	0340	\$22.57
HYRAM 750	0350	\$24.79
HYRAM 77	0360	\$10.04
HYRAM 770	0370	\$24.29
HYRAM 780	0380	\$40.33
HYRAM 790	0390	\$51.68
HYRAM 88	0400	\$16.64

<b>DELMAG</b>	<b>[ DELM ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
D-12	0500	\$25.40
D-16	0510	\$38.12
D-22	0520	\$60.62
D-30	0530	\$44.98
D-30-32	0540	\$65.26
D-36-32	0560	\$84.74
D46-32	0570	\$100.63
D62-22	0580	\$163.48
D100-13	0590	\$259.55

<b>FOSTER</b>	<b>[ FOST ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
1700	0600	\$149.00
4030	0630	\$208.68
FNV-1800	0660	\$122.61
FNV-4150	0693	\$267.10

<b>HYDRAULIC POWER SYS</b>	<b>[ HPSI ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
150	0420	\$104.32
260	0430	\$165.26
300	0440	\$198.33

<b>I.C.E.</b>	<b>[ ICE ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
44-50	0450	\$250.25
216	0460	\$89.71
416L	0470	\$149.43
812	0480	\$235.94

<b>KENT</b>	<b>[ KENT ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
KHB10G	0700	\$21.36
KHB 15G	0710	\$32.51
KHB 30G	0750	\$32.95
KHB 40G	0760	\$57.20

<b>NPK</b>	<b>[ NPK ]</b>	
<u>Model</u>	<u>Code</u>	<u>Rate</u>
4XE	0795	\$18.28
6XA	0800	\$14.42
H-10XB	0810	\$39.64
H-12X	0815	\$39.66
H-16X	0820	\$34.72
H-20X	0840	\$37.73
H4X,HXA	0860	\$12.44
H7X	0880	\$15.18

**OKADA****[ OKAD ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
UB-5	<b>0900</b>	\$8.61
UB-8	<b>0950</b>	\$17.12

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
S-84	<b>1000</b>	\$33.99
S-86	<b>1050</b>	\$36.90

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MB250	<b>1100</b>	\$7.04
MB2900	<b>1120</b>	\$25.94
MB4900	<b>1140</b>	\$45.94
MB550	<b>1160</b>	\$11.09
MB800	<b>1180</b>	\$16.32

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
950X	<b>1190</b>	\$37.80
TB1025	<b>1195</b>	\$41.73
TB1425X	<b>1200</b>	\$37.86
TB2225X	<b>1220</b>	\$70.68
TB425	<b>1240</b>	\$15.75
TB825X	<b>1260</b>	\$26.91

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BRH1100	<b>1300</b>	\$41.07
BRH125	<b>1310</b>	\$12.88
BRH250	<b>1320</b>	\$13.97
BRH400	<b>1330</b>	\$13.33
BRH620	<b>1340</b>	\$27.44
BRH750	<b>1350</b>	\$23.55
BRV950	<b>1360</b>	\$24.74

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
40.01	<b>1400</b>	\$182.22
40.05	<b>1450</b>	\$182.22
60.05	<b>1460</b>	\$163.58

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
1	<b>1500</b>	\$28.08
010	<b>1520</b>	\$41.00
100C	<b>1540</b>	\$43.71
2300	<b>1560</b>	\$160.18
80C	<b>1580</b>	\$33.78

<b>HYDRAULIC CRANES &amp; EXCAVATORS, CRAWLER MOUNTED</b>	<b>[ HCECL ]</b>
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**DELAY FACTOR = 0.16**      **OVERTIME FACTOR = 0.85**Includes all attachments and accessories required for lifting or digging.  
Pavement breaker or compactor attachments are not included.**BANTAM****[ BANT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
C 266	<b>0680</b>	\$92.40
C 366	<b>0690</b>	\$106.73
C 744	<b>1075</b>	\$69.09

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
9030B	<b>0100B</b>	\$89.29
9040	<b>0110</b>	\$105.31
9060B	<b>0120B</b>	\$207.14
40E E-Boom	<b>1600</b>	\$84.86
40E Y-Boom	<b>1601</b>	\$85.24
50E	<b>1602</b>	\$107.49
125B	<b>1602H</b>	\$85.87
170C	<b>1602N</b>	\$120.53
220B	<b>1602R</b>	\$153.22
880B Y-Boom	<b>1609</b>	\$60.69
980B	<b>1615</b>	\$93.90
1080	<b>1615E</b>	\$82.84
1080B	<b>1615J</b>	\$84.41
1280	<b>1616</b>	\$112.67
1280B	<b>1616E</b>	\$106.65

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
304 CR	<b>0200</b>	\$34.07
305C CR	<b>0250</b>	\$44.78
312	<b>0300</b>	\$54.49
312C	<b>0300C</b>	\$59.63
312CL	<b>0300CL</b>	\$60.53
314CL CR	<b>0302CLR</b>	\$66.69
315L	<b>0305</b>	\$65.80
320	<b>0310</b>	\$86.48
320BL	<b>0312</b>	\$90.69
320C	<b>0312C</b>	\$89.93
320CL	<b>0312CL</b>	\$98.47
320L	<b>0315</b>	\$87.88
321C LCR	<b>0320R</b>	\$118.42
322L	<b>0325</b>	\$107.52
325	<b>0330</b>	\$114.07
325BL	<b>0335</b>	\$123.81
325L	<b>0340</b>	\$118.60
328D LCR	<b>0343DR</b>	\$147.24
330BL	<b>0345</b>	\$156.41



330CL	<b>0345CL</b>	\$171.13	690E LC	<b>1697ELC</b>	\$86.38
330D L	<b>0345DL</b>	\$201.58	790	<b>1698</b>	\$91.47
330L	<b>0350</b>	\$150.36	790D	<b>1698D</b>	\$96.77
345BL	<b>0355</b>	\$209.57	790E LC	<b>1698ELC</b>	\$105.38
350L	<b>0360</b>	\$210.22	792	<b>1699</b>	\$108.02
375L	<b>0365</b>	\$333.76	890	<b>1700</b>	\$146.40
205	<b>1617</b>	\$37.01	890A	<b>1705</b>	\$132.54
211	<b>1617E</b>	\$55.90	892D LC	<b>1708</b>	\$123.18
213	<b>1617H</b>	\$61.41	990	<b>1720</b>	\$158.60
215	<b>1618</b>	\$61.47	992D LC	<b>1722</b>	\$177.47
215B LC	<b>1619E</b>	\$69.21	30	<b>1725</b>	\$22.11
215C	<b>1619F</b>	\$76.19	50	<b>1730</b>	\$35.35
215D	<b>1619G</b>	\$84.37	70	<b>1735</b>	\$32.19
225	<b>1620</b>	\$88.08	200LC	<b>1745</b>	\$95.69
225LC	<b>1621</b>	\$88.58	<b>DROTT</b>	<b>[ DROT ]</b>	
225D LC	<b>1622</b>	\$110.81	<u>Model</u>	<u>Code</u>	<u>Rate</u>
227	<b>1623</b>	\$91.54	35D E boom	<b>1835</b>	\$64.02
229	<b>1625</b>	\$119.26	35D Y boom	<b>1845</b>	\$64.42
231D	<b>1630</b>	\$135.83	40D E boom	<b>1930</b>	\$81.32
231DLC	<b>1635</b>	\$137.35	40D Y boom	<b>1965</b>	\$86.29
235	<b>1640</b>	\$139.37	50D	<b>2005</b>	\$105.14
235B	<b>1642</b>	\$154.91	<b>FIAT-ALLIS</b>	<b>[ F-A ]</b>	
235 Front Shovel	<b>1645</b>	\$148.84	<u>Model</u>	<u>Code</u>	<u>Rate</u>
235B Front Shovel	<b>1647</b>	\$165.62	FE 18	<b>9000</b>	\$56.97
235C	<b>1648</b>	\$176.69	FE 20 HD	<b>9010</b>	\$71.70
235DLC	<b>1649</b>	\$182.35	FE 20 LC	<b>9020</b>	\$67.98
245	<b>1650</b>	\$234.53	FE 28	<b>9030</b>	\$95.90
245B	<b>1650B</b>	\$258.67	FE 40 L	<b>9040</b>	\$163.37
245 Front Shovel	<b>1652</b>	\$245.92	<b>GRADALL</b>	<b>[ GRAD ]</b>	
245B Front Shovel	<b>1652B</b>	\$273.60	<u>Model</u>	<u>Code</u>	<u>Rate</u>
E 180	<b>1653</b>	\$74.33	G 660	<b>0150</b>	\$77.02
EL 180	<b>1654</b>	\$75.43	G 660B	<b>0160</b>	\$98.80
EL 200B	<b>1654E</b>	\$80.05	G 660C	<b>0170</b>	\$99.51
E 240	<b>1655</b>	\$95.33	G 880B	<b>0210</b>	\$105.41
EL 240	<b>1656</b>	\$96.76	G 880C	<b>0215</b>	\$100.47
E 300	<b>1657</b>	\$119.69	G 1000	<b>0230</b>	\$166.80
E 300B	<b>1657B</b>	\$132.77	XL4200	<b>0260</b>	\$96.99
EL 300	<b>1658</b>	\$121.53	XL5200	<b>0280</b>	\$116.17
EL 300B	<b>1658B</b>	\$134.76	<b>HITACHI</b>	<b>[ HIT ]</b>	
<b>JOHN DEERE</b>	<b>[ DEER ]</b>		<u>Model</u>	<u>Code</u>	<u>Rate</u>
<u>Model</u>	<u>Code</u>	<u>Rate</u>	UH 07LC	<b>2630</b>	\$74.65
225D LC	<b>1575D</b>	\$110.51	UH 062	<b>2660</b>	\$83.18
330C LC	<b>1600C</b>	\$162.95	UH 172	<b>2695</b>	\$147.08
450LC	<b>1645</b>	\$203.09	UH 122	<b>2750</b>	\$98.39
490	<b>1660</b>	\$45.81	EX 150	<b>2797</b>	\$67.08
490E	<b>1660E</b>	\$57.49	EX 200 LC	<b>2800</b>	\$82.88
690A	<b>1685</b>	\$65.60	EX 270 LC	<b>2806</b>	\$121.32
690B	<b>1695</b>	\$78.62	EX 300LC-2	<b>2807</b>	\$143.86
690C	<b>1697</b>	\$72.75			
690D	<b>1697D</b>	\$75.77			

EX 300LC-3	2807A	\$147.24	<b>KOEHRING</b>	<b>[ KOEH ]</b>	
EX 330LC-5	2807B	\$163.54	<u>Model</u>	<u>Code</u>	<u>Rate</u>
EX 370-5	2807F	\$169.07	366 post 1980	4752	\$124.78
EX 400 LC	2808	\$190.50	466E	4990	\$143.78
EX 450LC-5	2808K	\$222.95	566	5160	\$154.86
EX 550LC	2809	\$275.01	666, 666E	5225	\$196.22
EX 700	2810	\$328.15	866, 866E	5235	\$228.23
EX 750-5	2815	\$342.94	6611	6000	\$46.41
EX 1100	2880	\$429.21	6614	6005	\$56.93
<b>HYUNDAI</b>	<b>[ HYUN ]</b>		6612	6010	\$55.34
<u>Model</u>	<u>Code</u>	<u>Rate</u>	6620	6015	\$79.17
200LC	2950	\$83.21	6625	6020	\$96.23
210LC-3	2952C	\$86.32	6633	6029	\$137.48
280LC	2960	\$123.61	6644	6040	\$181.81
290LC	2970	\$128.33	<b>KOMATSU</b>	<b>[ KOMA ]</b>	
450LC	3010	\$191.41	<u>Model</u>	<u>Code</u>	<u>Rate</u>
<b>INTERNATIONAL</b>	<b>[ INTL ]</b>		PC 120-5	9485	\$58.75
<u>Model</u>	<u>Code</u>	<u>Rate</u>	PC 150-1	9490	\$53.33
630	4250	\$59.58	PC 150-3	9495	\$65.32
640 HD	4260	\$77.73	PC 200 LC-2	9500	\$66.54
650 HD	4280	\$86.61	PC 200-5	9504	\$85.75
<b>KATO</b>	<b>[ KATO ]</b>		PC 200 LC-3	9505	\$79.75
<u>Model</u>	<u>Code</u>	<u>Rate</u>	PC 200 LC-5	9506	\$86.71
HD450 VII	3050	\$56.19	PC 220 LC-2	9510	\$85.87
HD700 VII LC	3060	\$81.13	PC 220 LC-3	9515	\$99.00
HD1250 VII LC	3080	\$137.11	PC 220 LC-5	9516	\$106.70
<b>KOBELCO</b>	<b>[ KOBL ]</b>		PC 220 LC-6	9516F	\$113.54
<u>Model</u>	<u>Code</u>	<u>Rate</u>	PC 220 LC-7	9516G	\$119.29
SK200LC MARK III	4687	\$87.04	PC 280 LC-3	9517	\$111.93
K 903B	4688	\$41.25	PC 300 LC-1, LC-2	9520	\$111.13
K 904D	4693	\$44.51	PC 300 LC-3	9525	\$131.47
K 904E	4694	\$46.80	PC 300 LC-5	9526	\$148.19
K 904 Mark II	4694A	\$46.45	PC 300 LC-6	9526A	\$163.19
K 905	4695	\$50.25	PC 360 LC-3	9527	\$149.23
K 905A LC	4697	\$54.05	PC 400 LC-1	9530	\$150.15
K 907C	4700	\$72.23	PC 400 LC-3	9535	\$175.61
K 907D	4702	\$77.65	PC 400 LC-5	9536	\$195.24
K 907 LC	4704	\$78.37	PC 400 LC-6	9537	\$214.75
K 909A	4710	\$100.63	PC 600 LC-6	9539	\$299.37
K 909 LC	4711	\$103.09	PC 650-1	9540	\$273.81
K 912A	4712	\$119.29	PC 650-1 Front Shovel	9550	\$288.12
K 914	4715	\$141.79	PC 650-3	9552	\$288.73
K 916	4717	\$159.11	PC 750-6	9555	\$343.71
SK270LC MARK IV	4720	\$122.97	PC 1000-1	9560	\$434.96
SK400LC MARK IV	4725	\$207.48	PC 1000 LC-1	9565	\$447.12
			PC 1100 LC-6	9575LC	\$516.81

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
LS 1600	<b>5390</b>	\$35.43
LS 2650	<b>5395</b>	\$49.38
LS 2700C II	<b>5398</b>	\$66.16
2700 QUANTUM	<b>5399</b>	\$68.84
LS 2800	<b>5400</b>	\$58.13
LS 2800A	<b>5402</b>	\$66.20
LS 2800A PL	<b>5404</b>	\$57.76
LS 2800 PL	<b>5405</b>	\$55.00
LS 2800B	<b>5410</b>	\$72.94
LS 3400	<b>5475</b>	\$96.30
LS 3400C II	<b>5477</b>	\$102.13
LS 4300	<b>5660</b>	\$121.40
LS 4300C II	<b>5662</b>	\$133.69
LS 4800	<b>5750</b>	\$139.37
LS 4800 PL	<b>5755</b>	\$126.31
LS 5400	<b>5805</b>	\$162.88
LS 5800	<b>5810</b>	\$168.95
LS 5800A	<b>5812</b>	\$178.01
LS 5800C II	<b>5814</b>	\$185.84
LS 6400	<b>5820</b>	\$249.82
LS 7400	<b>5830</b>	\$251.31
LS 7400A	<b>5840</b>	\$302.58

**MASSEY FERGUSON****[ M-F ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MF 450D	<b>6245</b>	\$47.77
MF 450S	<b>6250</b>	\$51.63

**mitsubishi****[ MITS ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MS 090	<b>6290</b>	\$33.62
MS 180-3	<b>6295</b>	\$64.37
MS 180 LC-8	<b>6296</b>	\$72.90
MS 230 LC-3	<b>6300</b>	\$83.95
MS 240 LC-8	<b>6305</b>	\$90.79
MS 280-2	<b>6310</b>	\$102.90
MS 380-2	<b>6320</b>	\$143.90
MS 450-8	<b>6330</b>	\$166.92

**NORTHWEST****[ NW ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
35 DH	<b>6335</b>	\$131.98
45 DH	<b>6340</b>	\$142.94
55 DH	<b>6345</b>	\$150.68
55 DH Series II	<b>6360</b>	\$261.00

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
H 750	<b>6628</b>	\$62.46
H 1250	<b>6630</b>	\$105.80
H 1750	<b>6635</b>	\$129.91
H 2500	<b>6645</b>	\$167.04
HS 2500	<b>6650</b>	\$171.70

**TAKEUCHI****[ TAKU ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TB 15	<b>7686</b>	\$14.39
TB 025	<b>7686A</b>	\$24.51
TB 045	<b>7686E</b>	\$40.56
TB 070	<b>7686H</b>	\$38.61
TB 10S	<b>7688</b>	\$11.56
TB 35S	<b>7690</b>	\$23.13
TB 68S	<b>7692</b>	\$33.00
TB 800	<b>7695</b>	\$16.19

**HYDRAULIC CRANES & EXCAVATORS, [ HCESP ]  
SELF PROPELLED.****DELAY FACTOR = 0.13****OVERTIME FACTOR = 0.89**Includes all attachments and accessories required for lifting or digging.  
Pavement breaker or compactor attachments are not included.**BUCYRUS-ERIE****[ B-E ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
300C/SP	<b>1670</b>	\$76.21
320C	<b>1672</b>	\$76.39
360C	<b>1678</b>	\$76.73

**BADGER****[ BAGR ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4425/30	<b>1565</b>	\$101.97
4435	<b>1570</b>	\$113.23
4435B	<b>1573</b>	\$114.47
4435C	<b>1573C</b>	\$122.51
4445	<b>1574</b>	\$153.32
4450	<b>1575</b>	\$119.85
4450B	<b>1577</b>	\$126.24
4455	<b>1579</b>	\$154.03

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
40E E-Boom, Cruz Air	<b>1685</b>	\$65.13
40E Y-Boom, Cruz Air	<b>1687</b>	\$65.35
40F E-Boom, Cruz Air	<b>1687H</b>	\$67.35
40F Y-Boom, Cruz Air	<b>1687K</b>	\$68.17
45 E-Boom, Cruz Air	<b>1688</b>	\$84.47
45 Y-Boom, Cruz Air	<b>1689</b>	\$89.15
45B E-Boom, Cruz Air	<b>1689H</b>	\$89.12
45B Y-Boom, Cruz Air	<b>1689K</b>	\$89.85

880R E-Boom	1690	\$59.03	RT-635	4640	\$96.97
880R Y-Boom	1695	\$59.15	RT-65 S	4700	\$102.57
1085 E-Boom, Cruz Air	1696E	\$67.22	RT-740	4710	\$113.49
1085 Y-Boom, Cruz Air	1696Y	\$67.52	RT-745	4715	\$141.67
1085B Y-Boom, Cruz Air	1696Z	\$75.72	RT-75 S	4720	\$108.48
1285 E-Boom, Cruz Air	1697E	\$85.49	RT-755	4725	\$121.49
1285 Y-Boom, Cruz Air	1697Y	\$85.63	RT-760	4727	\$172.54
3330 Low Profile	1698E	\$34.76	RT-865	4730	\$149.71
3330B	1698H	\$35.00	RT-865B	4732	\$202.93
<b>CATERPILLAR</b>	<b>[ CAT ]</b>		RT-875	4735	\$184.00
<u>Model</u>	<u>Code</u>	<u>Rate</u>	RT-980	4750	\$178.31
206	1699	\$46.42	RT-990	4760	\$204.56
212	1699E	\$59.59	RT-9100	4790	\$257.88
214	1699H	\$64.41	<b>KOMATSU</b>	<b>[ KOMA ]</b>	
224	1699J	\$79.21	<u>Model</u>	<u>Code</u>	<u>Rate</u>
<b>GRADALL</b>	<b>[ GRAD ]</b>		PW 210-1	9580	\$106.24
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<b>LINK-BELT</b>	<b>[ L-B ]</b>	
G 3WD, 4x4	0110	\$98.25	<u>Model</u>	<u>Code</u>	<u>Rate</u>
<b>GROVE</b>	<b>[ GROV ]</b>		HSP 15	5500	\$73.98
<u>Model</u>	<u>Code</u>	<u>Rate</u>	HSP 18	5505	\$73.98
24	3820	\$37.40	HSP 20	5510	\$79.90
36	3830	\$61.52	HSP 22	5530	\$81.29
68	3850	\$70.21	HSP 25	5535	\$86.05
1012	3870	\$83.26	HSP 8015	5538	\$84.21
2535	3880	\$109.96	HSP 8018	5538E	\$84.21
RT-48	4030	\$64.88	HSP 8018XL	5538G	\$102.79
RT-49	4115	\$65.16	HSP 8018C	5538H	\$76.13
RT-58	4285	\$66.38	HSP 8025	5538P	\$88.02
RT-418	4354	\$79.32	HSP 8025 S	5538PF	\$88.77
RT-420	4356	\$79.32	HSP 8030	5538Q	\$100.65
RT-422	4358	\$79.32	HSP 8035	5538R	\$145.72
RT-500D	4359	\$109.48	HSP 8040	5538S	\$145.86
RT-525	4360	\$75.53	HSP 8050	5538T	\$147.98
RT-525B	4362	\$78.37	HSP 8055	5538V	\$134.27
RT-525C	4363	\$95.31	HSP 8060	5539	\$161.43
RT-527.5	4365	\$76.36	<b>LORAIN</b>	<b>[ LORN ]</b>	
RT-528B	4370	\$78.37	<u>Model</u>	<u>Code</u>	<u>Rate</u>
RT-528C	4372	\$95.80	LRT 15H	5730	\$75.58
RT-60	4520	\$77.22	LRT 15U	5735	\$76.84
RT-60S	4540	\$79.12	LRT 18U	5740	\$77.29
RT-515	4606	\$75.39	LRT 35U	5745	\$112.37
RT-518	4607	\$77.29	LRT 40U	5750	\$113.11
RT-520	4608	\$78.79	LRT 150	5755	\$74.65
RT-522	4609	\$78.05	LRT 150D	5756	\$89.56
RT-522C	4609G	\$93.32	LRT 180	5760	\$74.62
RT-625	4630	\$84.70	LRT 180D	5760D	\$89.56
RT-630	4635	\$84.70	LRT 200	5765	\$74.46
RT-630B	4637	\$89.94	LRT 200D	5765D	\$89.73

LRT 220	5767	\$76.86
LRT 230	5768	\$80.70
LRT 230D	5768D	\$89.75
LRT 250	5769	\$80.72
LRT 250D	5769D	\$89.75
LRT 275	5770	\$80.72
LRT 275D	5770D	\$89.75
LRT 330	5772	\$104.90
LRT 400	5773	\$119.81
LRT 450	5774	\$122.93
LRT 500	5775	\$125.92
LRT 550	5790	\$131.13

**P&H**

[ P&H ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
OMEGA 14	5790	\$70.48
OMEGA 15	5792	\$70.48
OMEGA 18	5794	\$70.90
OMEGA 25	5795	\$94.03
OMEGA 20	5796	\$71.58
OMEGA 23	5796E	\$74.30
OMEGA 30	5796J	\$96.43
OMEGA 35	5796P	\$97.38
OMEGA 40	5797	\$130.84
OMEGA 45	5797E	\$132.54
OMEGA 50	5797J	\$133.91
OMEGA 60	5798	\$139.42
OMEGA 65	5799	\$162.03
OMEGA 114	5799C	\$79.58
OMEGA 114D	5799G	\$77.64
OMEGA 118	5799Q	\$81.07
OMEGA 118D	5799S	\$77.78
OMEGA 120	5799U	\$82.69
OMEGA 120D	5799W	\$78.48
OMEGA 122	5799X	\$83.67
OMEGA 122D	5799Y	\$79.06
OMEGA 125	5799Z	\$84.05
OMEGA 128	5799ZA	\$82.53
R 150	5890	\$60.62
R 150-1	5910	\$60.13
R 180	5975	\$60.95
R 200	6060	\$61.27
OMEGA S-15	6062	\$96.83
OMEGA S-18	6063	\$96.83
OMEGA S-20	6064	\$99.36
S-35	6064E	\$137.30

**PETTIBONE**

[ PET ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
16 MK P Series	6500	\$65.65
20 MK P Series	6580	\$66.28
25	6740	\$62.61
25 MK P Series	6750	\$67.05
29 MK P Series	6880	\$68.07
30	6900	\$62.61
30 MK P Series	6903	\$69.06
30 SC, 30 SC P Series	6910	\$97.26
60 SC	6990	\$103.09
60 SC P Series	6995	\$109.67
70	7100	\$108.88
70 SC	7165	\$109.52
70 SC P Series	7170	\$115.45
80 MK P Series	7250	\$107.13
80 SC P Series	7260	\$108.51

**R.O. PRODUCTS**

[ ROP ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MC 5A	8005	\$40.50
MC 50B	8175	\$64.15
MC 50C	8260	\$65.48

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

**DELAY FACTOR = 0.12**

**OVERTIME FACTOR = 0.90**

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

**BUCYRUS-ERIE**

[ B-E ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
25 XC	1360	\$90.47
30 XC	1370	\$91.10
40 C	1475	\$82.89
60 XC	1590	\$146.03
65 C	1592	\$126.45
90 XC	1600	\$157.30

**BADGER**

[ BAGR ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
300 Hydro-Scopic	0550	\$62.00
460 Hydro-Scopic	0555	\$75.76
666 Hydro-Scopic	0560	\$113.36
888 Hydro-Scopic	0600	\$118.94

**BANTAM**

[ BANT ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
T 744 Teleskoop	1285	\$73.31
T 888	1310	\$107.87
T 888B	1315	\$126.23

<b>DEVAULT</b>			<b>[ DVUT ]</b>			<b>LINK-BELT</b>			<b>[ L-B ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<u>Model</u>	<u>Code</u>	<u>Rate</u>	<u>Model</u>	<u>Code</u>	<u>Rate</u>	<u>Model</u>	<u>Code</u>	<u>Rate</u>
TK 15-10	<b>1900</b>	\$44.52	HTC 14	<b>4505</b>	\$104.05	HTC 14	<b>4505</b>	\$104.05	HTC 14	<b>4505</b>	\$104.05
<b>GRADALL</b>			<b>[ GRAD ]</b>			HTC 25	<b>4507</b>	\$104.05	HTC 25	<b>4507</b>	\$104.05
<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>
G 3W	<b>0120</b>	\$76.74	HTC 35	<b>4509</b>	\$113.75	HTC 35	<b>4509</b>	\$113.75	HTC 35	<b>4509</b>	\$113.75
G 660	<b>0170</b>	\$74.16	HTC 50	<b>4510</b>	\$151.49	HTC 50	<b>4510</b>	\$151.49	HTC 50	<b>4510</b>	\$151.49
G 660B	<b>0180</b>	\$96.96	HTC 50W	<b>4520</b>	\$145.89	HTC 50W	<b>4520</b>	\$145.89	HTC 50W	<b>4520</b>	\$145.89
G 660C	<b>0190</b>	\$93.53	HTC 814	<b>4530</b>	\$135.28	HTC 814	<b>4530</b>	\$135.28	HTC 814	<b>4530</b>	\$135.28
G 800	<b>0210</b>	\$65.60	HTC 814XL	<b>4531</b>	\$140.20	HTC 814XL	<b>4531</b>	\$140.20	HTC 814XL	<b>4531</b>	\$140.20
G 880B	<b>0220</b>	\$105.16	HTC 822 S	<b>4532</b>	\$127.30	HTC 822 S	<b>4532</b>	\$127.30	HTC 822 S	<b>4532</b>	\$127.30
G 880C	<b>0230</b>	\$101.24	HTC 825	<b>4535</b>	\$119.65	HTC 825	<b>4535</b>	\$119.65	HTC 825	<b>4535</b>	\$119.65
G 1000	<b>0240</b>	\$110.40	HTC 825 S	<b>4536</b>	\$128.35	HTC 825 S	<b>4536</b>	\$128.35	HTC 825 S	<b>4536</b>	\$128.35
<b>GROVE</b>			<b>[ GROV ]</b>			HTC 830	<b>4537</b>	\$137.19	HTC 830	<b>4537</b>	\$137.19
<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>
TD 520	<b>2221</b>	\$113.87	HTC 835	<b>4539</b>	\$144.53	HTC 835	<b>4539</b>	\$144.53	HTC 835	<b>4539</b>	\$144.53
TD 522	<b>2223</b>	\$113.87	HTC 835XL	<b>4539C</b>	\$163.21	HTC 835XL	<b>4539C</b>	\$163.21	HTC 835XL	<b>4539C</b>	\$163.21
TD 525	<b>2224</b>	\$114.77	HTC 840	<b>4539E</b>	\$166.63	HTC 840	<b>4539E</b>	\$166.63	HTC 840	<b>4539E</b>	\$166.63
TMS 250	<b>2850</b>	\$106.45	HTC 840	<b>4539G</b>	\$171.67	HTC 840	<b>4539G</b>	\$171.67	HTC 840	<b>4539G</b>	\$171.67
TMS 250A	<b>2860</b>	\$106.93	HTC 850	<b>4539H</b>	\$152.54	HTC 850	<b>4539H</b>	\$152.54	HTC 850	<b>4539H</b>	\$152.54
TMS 250B	<b>2870</b>	\$106.93	HTC 855	<b>4539J</b>	\$174.37	HTC 855	<b>4539J</b>	\$174.37	HTC 855	<b>4539J</b>	\$174.37
TMS 250C	<b>2875</b>	\$145.85	HTC 860	<b>4540</b>	\$164.57	HTC 860	<b>4540</b>	\$164.57	HTC 860	<b>4540</b>	\$164.57
TMS 300	<b>2922</b>	\$127.11	HTC 1040	<b>4545</b>	\$166.57	HTC 1040	<b>4545</b>	\$166.57	HTC 1040	<b>4545</b>	\$166.57
TMS 300B	<b>2923</b>	\$144.36	HTC 1050	<b>4550</b>	\$156.18	HTC 1050	<b>4550</b>	\$156.18	HTC 1050	<b>4550</b>	\$156.18
TMS 760	<b>3180</b>	\$220.89	HTC 1055	<b>4555</b>	\$171.15	HTC 1055	<b>4555</b>	\$171.15	HTC 1055	<b>4555</b>	\$171.15
TMS 865	<b>3378</b>	\$165.55	HTC 1060	<b>4600</b>	\$301.11	HTC 1060	<b>4600</b>	\$301.11	HTC 1060	<b>4600</b>	\$301.11
TM 875	<b>3380</b>	\$190.44	<b>LORAIN</b>			<b>[ LORN ]</b>					
TMS 875	<b>3385</b>	\$191.30	<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>
TM 890	<b>3387</b>	\$204.47	MCH 140	<b>4942</b>	\$121.97	MCH 140	<b>4942</b>	\$121.97	MCH 140	<b>4942</b>	\$121.97
TM 1075	<b>3390</b>	\$171.70	MCH 150	<b>4946</b>	\$114.79	MCH 150	<b>4946</b>	\$114.79	MCH 150	<b>4946</b>	\$114.79
<b>HIAB</b>			<b>[ HIAB ]</b>			MCH 180	<b>4947</b>	\$114.79	MCH 180	<b>4947</b>	\$114.79
<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>
100 AW	<b>3850</b>	\$40.14	MCH 300	<b>4953</b>	\$133.39	MCH 300	<b>4953</b>	\$133.39	MCH 300	<b>4953</b>	\$133.39
1165	<b>3852</b>	\$36.92	MCH 350	<b>4955</b>	\$105.71	MCH 350	<b>4955</b>	\$105.71	MCH 350	<b>4955</b>	\$105.71
170 thru 174	<b>3854</b>	\$35.46	MCH 400	<b>4957</b>	\$145.53	MCH 400	<b>4957</b>	\$145.53	MCH 400	<b>4957</b>	\$145.53
175 thru 177	<b>3855</b>	\$35.60	MCH 500	<b>4960</b>	\$114.75	MCH 500	<b>4960</b>	\$114.75	MCH 500	<b>4960</b>	\$114.75
550, 5501	<b>3857</b>	\$38.54	<b>MANITEX</b>			<b>[ MANX ]</b>					
650	<b>3859</b>	\$39.43	<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>
<b>KOEHRING</b>			<b>[ KOEH ]</b>			1161	<b>4980</b>	\$43.27	1161	<b>4980</b>	\$43.27
<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>
4460 Teleskoop	<b>4400</b>	\$74.40	1770	<b>4985</b>	\$75.73	1770	<b>4985</b>	\$75.73	1770	<b>4985</b>	\$75.73
4465 Teleskoop	<b>4405</b>	\$75.61	2284	<b>4990</b>	\$78.45	2284	<b>4990</b>	\$78.45	2284	<b>4990</b>	\$78.45
4470 Teleskoop	<b>4410</b>	\$87.72	2592	<b>4995</b>	\$80.35	2592	<b>4995</b>	\$80.35	2592	<b>4995</b>	\$80.35
4475 Teleskoop	<b>4415</b>	\$88.90	<b>NATIONAL</b>			<b>[ NATL ]</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>
			Ser 4/400, 11.3 m (37') boom	<b>4983</b>	\$39.69	Ser 4/400, 11.3 m (37') boom	<b>4983</b>	\$39.69	Ser 4/400, 11.3 m (37') boom	<b>4983</b>	\$39.69
			Ser 4/400, 14.0 m (46') boom	<b>4984</b>	\$39.89	Ser 4/400, 14.0 m (46') boom	<b>4984</b>	\$39.89	Ser 4/400, 14.0 m (46') boom	<b>4984</b>	\$39.89
			Ser 4/400, 16.8 m (55') boom	<b>4985</b>	\$40.06	Ser 4/400, 16.8 m (55') boom	<b>4985</b>	\$40.06	Ser 4/400, 16.8 m (55') boom	<b>4985</b>	\$40.06
			Ser 5/500A/B, 14.3 m (47') boom	<b>4986</b>	\$45.11	Ser 5/500A/B, 14.3 m (47') boom	<b>4986</b>	\$45.11	Ser 5/500A/B, 14.3 m (47') boom	<b>4986</b>	\$45.11
			Ser 5/500A/B, 17.1 m (56') boom	<b>4987</b>	\$45.72	Ser 5/500A/B, 17.1 m (56') boom	<b>4987</b>	\$45.72	Ser 5/500A/B, 17.1 m (56') boom	<b>4987</b>	\$45.72
			Ser 6/600, 14.3 m (47') boom	<b>4989</b>	\$44.65	Ser 6/600, 14.3 m (47') boom	<b>4989</b>	\$44.65	Ser 6/600, 14.3 m (47') boom	<b>4989</b>	\$44.65
			Ser 6/600, 17.1 m (56') boom	<b>4990</b>	\$45.00	Ser 6/600, 17.1 m (56') boom	<b>4990</b>	\$45.00	Ser 6/600, 17.1 m (56') boom	<b>4990</b>	\$45.00

856	4995	\$45.50
856B	4996	\$44.68
875	4997	\$46.23
875B	4998	\$47.64
Series 85	4999	\$41.49

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
ALPHA 100 ton	5000	\$275.29
CN T-280	5005	\$151.95
T-150	5290	\$112.71
T-180	5380	\$113.15
T-200	5470	\$113.67
T-250	5560	\$132.15
CN T-250	5561	\$154.28
OMEGA T-250	5570	\$124.76
OMEGA T-300	5580	\$127.97
OMEGA T-350	5585	\$129.17
T-300A	5665	\$123.44
OMEGA T-400	5666M	\$150.17
OMEGA T-450	5669	\$151.86
T-600 XL	5670	\$177.30
OMEGA T-500	5680	\$151.85
OMEGA T-650	5745	\$206.58
T-750	5780	\$142.61

**PITMAN [ PIT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Hydralift HL 40 thru 95	6670	\$35.85
Hydralift HL 100 thru 170	6675	\$39.33
HL 857	6685	\$44.24
HL 1200, 1545-T2 or 1580	6695	\$46.56
POLECAT	6697	\$51.12
PELICAN	6699	\$53.94

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TC-40	6860	\$36.79
TC-50	6862	\$38.35
TC-70	6864	\$39.70
TC-80	6866	\$39.76
TC-85	6868	\$39.29
TC-110	6870	\$43.54
TC-120	6872	\$44.15
TC-125	6874	\$43.80
TC-145	6876	\$46.70
TC-150	6878	\$45.11

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

**DELAY FACTOR = 0.09 OVERTIME FACTOR = 0.92**

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

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
H-3 series two	1000	\$45.36
H-5 series two	1300	\$53.11

**GALION [ GALN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
125 P	1970	\$55.63
150 P	1980	\$67.05

**GROVE [ GROV ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TM 100C	2020	\$80.09
TM 200C	2040	\$62.94

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

**DELAY FACTOR = 0.19 OVERTIME FACTOR = 0.83**

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

**BOOM TYPE [ BOOM ]**

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	7.6 (25)	00-24	\$16.85
7.6 (25)	15.2 (50)	25-49	\$38.23
15.2 (50)	22.9 (75)	50-74	\$51.34

**SCISSOR TYPE [ SCIS ]**

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	6.1 (20)	00-20	\$18.08
6.4 (21)	9.1 (30)	21-30	\$21.35
9.4 (31)	15.2 (50)	31-50	\$31.65

**LOADERS, CRAWLER**

[ LDRCL ]

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

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

**CASE**

[ CASE ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
350B	2370	\$37.71
450B	2610	\$34.27
455B	2620	\$36.01
455C	2620A	\$40.31
1155D	3555	\$70.16
1155E	3556	\$75.53
1450	3560	\$77.67
1450B	3565	\$85.90
1455B	3568	\$86.78

**CATERPILLAR**

[ CAT ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
931B	3735	\$38.84
931C	3735C	\$41.15
931 LGP	3740	\$36.64
931B LGP	3745	\$39.92
935B	3845	\$46.11
935C	3845C	\$48.88
939C	3900	\$62.56
943	4130	\$58.62
943 LGP	4135	\$55.51
951C 86J 1992 serial	4200	\$53.32
951C 86J 2598 serial	4210	\$58.64
951C LGP 86J 2598 ser	4215	\$59.47
953	4220	\$79.17
953 LGP	4230	\$74.29
955L 85J 6247 serial	4675	\$75.30
955L 85J 13X10129 ser	4680	\$81.07
955L LGP 85J 13X10129	4685	\$81.41
963	4690	\$109.19
963 LGP	4693	\$99.81
973	4695	\$161.29
973 LGP	4698	\$140.47
977K	5014	\$88.37
977K 11K serial	5092	\$92.59
977L 11K 3919 serial	5170	\$107.57
977L 11K 5083 serial	5180	\$116.64
977L 14X serial	5185	\$121.02
977L LGP	5190	\$120.69
983	5248	\$165.59
983B	5265	\$177.20

**JOHN DEERE**

[ DEER ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD 350C	5420	\$39.94
JD 450C (4 speed PS)	5805	\$39.77
JD 455D	5807	\$41.80
JD 455E	5809	\$42.46
JD 455G	5809A	\$47.99
JD 555	5810	\$44.85
JD 555A	5812	\$49.47
JD 555B	5814	\$48.70
JD 555G	5814A	\$61.59
JD 655	5815	\$70.81
JD 655B	5817	\$81.26
JD 755	5820	\$66.91
JD 755A	5822	\$83.08
JD 755B	5824	\$93.84
JD 855	5830	\$125.88

**DRESSER**

[ DRES ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
100E (PS)	9000	\$41.10
100G	9005	\$47.30
125E (PS)	9010	\$50.59
125G	9015	\$57.00
175C (PS)	9020	\$97.56
200	9025	\$115.99
250C (PS)	9030	\$119.19
250E (PS)	9035	\$137.12

**KOMATSU**

[ KOMA ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
D 53S-16	7878	\$67.81
D 53S-17	7878A	\$80.36
D 55S-2	7900	\$70.08
D 55S-3	7978	\$70.08
D 57S-1	8000	\$93.31
D 65S-6	8017	\$91.92
D 66S-1	8020	\$124.99
D 75S-2	8056	\$99.81
D 75S-3	8060	\$123.61
D 75S-5	8061	\$164.49
D 155S-1	8080	\$239.70



**LOADERS, RUBBER TIRE**

[ LDRRT ]

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

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

**ALLIS-CHALMERS**

[ A-C ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
710C	<b>0747</b>	\$39.18
714B	<b>0750</b>	\$38.29
714C w/ backhoe	<b>0752</b>	\$40.75
715B w/ backhoe	<b>0765</b>	\$40.17
715C w/ backhoe	<b>0767</b>	\$41.01

**CASE**

[ CASE ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
W-11	<b>1365</b>	\$36.30
W-11B	<b>1368</b>	\$44.36
W-18	<b>1444</b>	\$61.98
W-18 9213140 serial	<b>1450</b>	\$65.39
W-18B	<b>1460</b>	\$70.50
W-20	<b>1472</b>	\$65.51
W-20B	<b>1480</b>	\$66.27
W-20C	<b>1482</b>	\$71.27
W-30	<b>1565</b>	\$97.82
480B	<b>1636</b>	\$31.49
480B w/ backhoe	<b>1640</b>	\$32.76
480C	<b>1650</b>	\$40.56
480C w/ backhoe	<b>1660</b>	\$42.08
480D	<b>1662</b>	\$45.32
480D w/ backhoe	<b>1664</b>	\$47.21
480E w/ backhoe	<b>1666</b>	\$38.62
480E LL	<b>1667</b>	\$37.43
480F w/ backhoe	<b>1668</b>	\$39.89
480F LL	<b>1669</b>	\$38.17
480LL	<b>1677</b>	\$45.36
570L XT 4WD	<b>1690</b>	\$43.69
580B w/ backhoe	<b>1705</b>	\$41.16
580C	<b>1710</b>	\$32.66
580C w/ backhoe	<b>1715</b>	\$34.51
580D	<b>1717</b>	\$33.97
580D w/ backhoe	<b>1720</b>	\$36.41
580 Super D	<b>1725</b>	\$37.08
580 Super D w/ backhoe	<b>1727</b>	\$39.56
580 Super E	<b>1731</b>	\$38.21
580 Super E w/ backhoe	<b>1735</b>	\$40.88
580K w/ backhoe	<b>1739</b>	\$41.16
580K 4WD w/ backhoe	<b>1740</b>	\$42.22
580 Super K w/ backhoe	<b>1742</b>	\$45.51
580L w/ backhoe	<b>1743</b>	\$45.76
580 Super L 4WD w/ backhoe	<b>1744</b>	\$53.07

590 Turbo w/ backhoe	<b>1745</b>	\$55.65
590 Super L 4WD w/ backhoe	<b>1746</b>	\$58.00
621	<b>1750</b>	\$75.10
721	<b>1752</b>	\$91.17
821	<b>1754</b>	\$111.44
680E w/ backhoe	<b>1840</b>	\$52.22
680G w/ backhoe	<b>1850</b>	\$50.93
680H w/ backhoe	<b>1852</b>	\$53.74
680K w/ backhoe	<b>1854</b>	\$58.82
680L w/ backhoe	<b>1856</b>	\$59.53
680L 4WD w/ backhoe	<b>1857</b>	\$60.31
780 w/ backhoe	<b>1864</b>	\$67.31
780B w/ backhoe	<b>1866</b>	\$71.85
780C w/ backhoe	<b>1867</b>	\$73.06
780D w/ backhoe	<b>1868</b>	\$73.80
780D 4WD w/ backhoe	<b>1869</b>	\$75.16

**CATERPILLAR**

[ CAT ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
416 w/ backhoe	<b>1860</b>	\$41.07
416 Series II w/ backhoe	<b>1860A</b>	\$41.29
416B 4WD w/ extend-a-hoe	<b>1861A</b>	\$50.69
416C 4WD w/ backhoe	<b>1861C</b>	\$52.43
416D w/ backhoe	<b>1861D</b>	\$47.72
416D 4WD w/ backhoe	<b>1861D4</b>	\$48.79
420D w/ backhoe	<b>1861M</b>	\$53.56
420D 4WD w/ backhoe	<b>1861M4</b>	\$54.64
426 w/ backhoe	<b>1862</b>	\$46.42
426 Series II w/ backhoe	<b>1862A</b>	\$46.64
426C w/ backhoe	<b>1862C</b>	\$57.93
426C 4WD w/ backhoe	<b>1862C4</b>	\$59.31
428 w/ backhoe	<b>1864</b>	\$46.39
428 Series II w/ backhoe	<b>1864A</b>	\$46.62
430D	<b>1865D</b>	\$64.45
430E	<b>1865E</b>	\$67.99
436 w/ backhoe	<b>1866</b>	\$50.62
436 Series II w/ backhoe	<b>1866A</b>	\$50.80
446 w/ backhoe	<b>1868</b>	\$65.21
446B w/ backhoe	<b>1868B</b>	\$71.86
446D	<b>1868D</b>	\$74.04
450E	<b>1869E</b>	\$89.29
910	<b>1870</b>	\$43.72
910E	<b>1870E</b>	\$51.35
916	<b>1885</b>	\$58.18
920	<b>1894</b>	\$53.39
926	<b>2065</b>	\$68.60
926E	<b>2067</b>	\$73.95
928G	<b>2070G</b>	\$88.11
930 41K serial	<b>2088</b>	\$65.54
930G	<b>2088G</b>	\$104.11
936	<b>2100</b>	\$83.05

936E	2110	\$90.45	<b>JOHN DEERE</b>	<b>[ DEER ]</b>
936F	2120	\$93.96	<u>Model</u>	<u>Code</u>
938F	2130	\$95.74	JD-210C	<u>Rate</u>
938G	2130G	\$108.36	JD-210C w/ backhoe	2485 \$35.01
950 90A serial	2228	\$71.62	JD-210LE	2490 \$34.83
950 31K & 81J serial	2270	\$84.65	JD-310A w/ backhoe	2495 \$45.76
950B	2272	\$103.78	JD-310B w/ backhoe	2504 \$36.55
950E	2300	\$110.04	JD-310C w/ backhoe	2506 \$37.23
950F	2301	\$115.99	JD-310D w/ backhoe	2507 \$41.09
950F Series II	2303	\$119.64	JD-310E w/ backhoe	2507D \$46.04
950G	2310	\$128.37	JD-310SE w/ backhoe	2507E \$47.08
950H	2310H	\$147.59	310G	2507F \$52.75
962G	2320G	\$140.65	JD-315SE w/ backhoe	2507G \$48.32
966C	2340	\$122.29	JD-410 w/ backhoe	2507H \$53.37
966D	2350	\$135.92	JD-410B w/ backhoe	2508 \$39.85
966E	2360	\$149.73	JD-410C w/ backhoe	2509 \$40.55
966F	2361	\$152.96	JD-410D w/ backhoe	2509F \$47.77
966G	2362	\$170.96	JD-410E w/ backhoe	2509G \$56.54
966H	2362H	\$197.59	410G	2509H \$59.42
970F	2370	\$179.07	JD-444	2509J \$60.73
972G	2372G	\$190.86	JD-444C	2510 \$53.18
980B	2376	\$158.69	JD-444D	2515 \$55.16
980C	2378	\$190.38	JD-444E	2520 \$57.01
980F	2381	\$195.99	JD-500C w/ backhoe	2521 \$61.70
980G	2382	\$215.81	JD-510 w/ backhoe	2592 \$51.71
980H	2382H	\$234.94	JD-510B w/ backhoe	2620 \$48.32
988 87A6868 serial	2398	\$194.54	JD-510C w/ backhoe	2625 \$46.09
988B 50W serial	2436	\$272.13	JD-510D w/ backhoe	2630 \$54.52
992B 25K serial	2460	\$344.67	JD-544B	2630D \$64.15
992C	2470	\$517.96	JD-544C	2660 \$65.89
IT 12	2472	\$44.48	JD-544D	2670 \$67.49
IT 12B	2472B	\$51.75	JD-544E	2672 \$66.41
IT 14F	2473	\$59.84	JD-544G	2673 \$73.37
IT 18	2474	\$56.95	JD-610B w/ backhoe	2673B \$80.40
IT 18B	2475	\$64.32	JD-610C w/ backhoe	2690 \$52.70
IT 28	2476	\$69.06	JD-624E	2691 \$60.33
IT 28B	2477	\$74.66	JD-624G	2700 \$87.67
IT 28F	2477G	\$86.32	JD-624H	2700G \$98.69
IT 28G	2478	\$89.49	JD-644B	2700H \$108.16
IT 38G	2480	\$103.14	JD-644C	2710 \$91.08
IT 62G	2482	\$141.92	JD-644D	2715 \$93.98
<b>CLARK</b>	<b>[ CLRK ]</b>		JD-644E	2717 \$97.46
<u>Model</u>	<u>Code</u>	<u>Rate</u>	JD-644G	2719 \$104.88
35C	2484	\$54.73	JD-644H	2719B \$118.37
45C	2486	\$63.95	644J	2719H \$126.68
55C	2488	\$77.33	JD-710B w/ backhoe	2719J \$139.13
75C	2491	\$100.69	JD-710C w/ backhoe	2720 \$67.59
125B	2492	\$130.47	JD-710D w/ backhoe	2721 \$74.98
275B	2496	\$226.21	JD-710D 4WD w/ backhoe	2722 \$80.90
275C	2497	\$244.62	710G	2722D \$82.83
				2722G \$85.55

JD-744H	2723	\$172.05	<b>INTERNATIONAL</b>	[ INTL ]	
744J	2723J	\$201.14	<u>Model</u>		<u>Code</u> <u>Rate</u>
JD-844	2725	\$167.90	260A		2260      \$40.61
<b>DRESSER</b>	[ DRES ]		260A w/ backhoe		2270      \$42.25
<u>Model</u>	<u>Code</u>	<u>Rate</u>	270A w/ backhoe		2280      \$46.55
510B	2310	\$51.57	280A w/ backhoe		2285      \$56.84
510C	2310C	\$68.60	<b>J C B</b>	[ JCB ]	
515B	3517	\$67.06	<u>Model</u>		<u>Code</u> <u>Rate</u>
515C	3517C	\$81.01	214S w/ backhoe		4430      \$55.33
520B	3519	\$77.44	215S w/ backhoe		4435      \$60.69
520C	3519C	\$96.47	217S w/ backhoe		4440      \$63.97
530	3520	\$108.28	3C 1550 2WD w/ hoe		4448      \$39.61
530C	3520C	\$116.94	3D 1700 4WD w/ hoe		4450      \$52.69
540	3530	\$147.27	1400B w/ backhoe		4455      \$44.85
550	3540	\$147.60	1550B w/ backhoe		4457      \$51.34
<b>FIAT-ALLIS</b>	[ F-A ]		1600B w/ backhoe		4458      \$59.01
<u>Model</u>	<u>Code</u>	<u>Rate</u>	1700B w/ backhoe		4459      \$60.07
545B	3042	\$63.55	<b>KAWASAKI</b>	[ KAWA ]	
745C	3046	\$124.84	<u>Model</u>		<u>Code</u> <u>Rate</u>
FR 10	3049H	\$66.95	60Z IV		4300      \$75.31
FR 10B	3049I	\$72.54	65Z IV		4310      \$84.09
FR 20	3050	\$140.25	KSS 80Z II		4330      \$108.83
FR 30	3051	\$182.87	80Z III		4335      \$125.50
FR 20B	3051B	\$155.38	80Z IV		4340      \$127.55
FR 35	3052	\$241.89	85Z IV		4345      \$160.46
<b>FORD</b>	[ FORD ]		90Z III		4350      \$177.92
<u>Model</u>	<u>Code</u>	<u>Rate</u>	90Z IV		4355      \$181.97
545C	3054	\$37.72	95Z IV-2		4360      \$232.53
650 w/ backhoe	3056	\$41.82	<b>KOMATSU</b>	[ KOMA ]	
655A w/ backhoe	3056F	\$46.23	<u>Model</u>		<u>Code</u> <u>Rate</u>
655C w/ backhoe	3056G	\$50.44	W 120-3		4520      \$127.74
750 w/ backhoe	3057	\$54.43	W 180-1		4525      \$180.79
755 w/ backhoe	3061	\$57.55	WA 200-1		4536      \$71.80
755B w/ backhoe	3063	\$65.38	WA 250-1		4537      \$98.02
755A w/ backhoe	3065	\$64.01	WA 300-1		4538      \$93.86
A-62	3114	\$56.34	WA 320-1		4539      \$114.53
A-64	3116	\$68.39	WA 350-1		4540      \$110.39
A-66	3118	\$88.87	WA 380-1		4541      \$136.32
<b>FURUKAWA</b>	[ FURU ]		WA 380-3		4541C      \$135.80
<u>Model</u>	<u>Code</u>	<u>Rate</u>	WA 400-1		4542      \$131.84
FL 320A	3120M	\$126.22	WA 420-3		4543C      \$155.94
FL 330	3120S	\$137.57	WA 450-1		4544      \$163.26
<b>HOUGH</b>	[ HOUG ]		WA 450-2		4544B      \$183.65
<u>Model</u>	<u>Code</u>	<u>Rate</u>	WA 450-3		4544C      \$185.90
H65C	3578	\$88.32	WA 470-1		4545      \$179.33
H-90E	3884	\$151.77	WA 500-1		4546      \$214.98
H-100C	3954	\$179.12	WA 600-1		4550      \$316.59
			WB 140-2 4WD		4700      \$57.94

WB 150-2 4WD 4710 \$66.69

**MASSEY FERGUSON [ M-F ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MF 44C	5143	\$68.69
MF 50H Series S	5150	\$40.80
MF 50H Series S, 4WD	5152	\$41.48
MF 50HX Series S	5154	\$44.05
MF 50HX Series S, 4WD	5156	\$44.91
MF 55C	5170	\$88.10
MF 60 w/ backhoe	5171	\$42.86
MF 60H Series S w/ hoe	5172	\$46.29
MF 66C	5174	\$112.25
MF 80 w/ backhoe	5182	\$61.42
MF 88	5184	\$178.24
640	6000	\$40.92
650	6010	\$43.86

**NEW HOLLAND [ NHND ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
545D	0100	\$39.13
575E w/ backhoe	0110	\$54.84
655D w/ backhoe	0120	\$49.21
655E w/ backhoe	0130	\$58.85
675D 4WD w/ backhoe	0140	\$56.79
675E 4WD w/ backhoe	0150	\$67.24

**TEREX [ TERX ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
70C	7938	\$159.25
72-61	8036	\$195.80
72-71B	8055	\$254.50
72-81	8080	\$299.13

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
175B	6186	\$162.49
175C	6186C	\$183.87
275B	6330	\$206.56
275C	6330C	\$244.62
L-70C	9570C	\$82.54
L-90	9575	\$98.85
L-120	9595	\$128.44
L-120C	9595C	\$133.41
L-150C	9598C	\$165.74
L-160	9600	\$172.41
L-180C	9602C	\$185.91
L-190	9605	\$200.20

**LEADS, PILE DRIVING [ LEADS ]**

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

**FIXED [ FIXD ]**

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	16.8 (55) (w/o spotter)	0100	\$18.24
16.8 (55)	32.0 (105) (w/o spotter)	0200	\$23.27
over	32.0 (105) (w/o spotter)	0300	\$29.16
0	16.8 (55) (w/ spotter)	1100	\$30.83
16.8 (55)	32.0 (105) (w/ spotter)	1200	\$36.81
over	32.0 (105) (w/ spotter)	1300	\$43.65

**SWINGING [ SWNG ]**

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	16.8 (55) (w/o spotter)	0400	\$12.09
16.8 (55)	32.0 (105) (w/o spotter)	0500	\$16.85
over	32.0 (105) (w/o spotter)	0600	\$22.74
0	16.8 (55) (w/ spotter)	1400	\$24.68
16.8 (55)	32.0 (105) (w/ spotter)	1500	\$30.39
over	32.0 (105) (w/ spotter)	1600	\$37.23

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

**DELAY FACTOR = 0.54 OVERTIME FACTOR = 1.00**

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

**MISCELLANEOUS [ MISC ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Casing, 450 mm dia, per 0.3 m (Casing, 18" dia, per lf)	0120	\$0.03
Casing, 650 mm dia, per 0.3 m (Casing, 26" dia, per lf)	0130	\$0.05
Casing, 900 mm dia, per 0.3 m (Casing, 36" dia, per lf)	0140	\$0.08
Casing, 1800 mm dia, per 0.3 m (Casing, 72" dia, per lf)	0150	\$0.18
Casing, 2400 mm dia, per 0.3 m (Casing, 96" dia, per lf)	0160	\$0.23
Casing, 2700 mm dia, per 0.3 m (Casing, 108" dia, per lf)	0170	\$0.26
Casing, 3000 mm dia, per 0.3 m (Casing, 120" dia, per lf)	0180	\$0.34

Pile, all depths "H" pile, per 45.0 kg (Pile, all depths "H" pile, per hundred-weight)	<b>0190</b>	\$0.03	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>	\$8.50
Pipe, 250-300 mm dia, per 0.3 m (Pipe, 10-12" dia, per lf)	<b>0200</b>	\$0.02	Shoring, 2.4 m deep x 2.4 m max width, per 7.3 m(8' deep x 8' max width trench box, per 24' )	<b>0560</b>	\$16.71
Plate, 22 mm thick, per 9.3 sm (Plate, 7/8" thick, per 100 sf)	<b>0210</b>	\$1.11	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>	\$15.01
Plate, 25 mm thick, per 9.3 sm (Plate, 1" thick, per 100 sf)	<b>0220</b>	\$1.26	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>	\$20.86
Plate, 38 mm thick, per 9.3 sm (Plate, 1.5" thick, per 100 sf)	<b>0230</b>	\$1.89	Wood, 50 mm x255 mm, per 30.5 m (Wood, 2"x10", per 100 lf)	<b>0605</b>	\$0.14
<b>SCAFFOLDING, SHORING, [ SSFW ]</b>			Wood, 50 mm x305 mm, per 30.5 m (Wood, 2"x12", per 100 lf)	<b>0610</b>	\$0.18
<b>FALSEWORK</b>			Wood, 100mm x100mm, per 30.5 m (Wood, 4"x4", per 100 lf)	<b>0615</b>	\$0.12
<u>Model</u>	<u>Code</u>	<u>Rate</u>	Wood, 100 mm x150 mm, per 30.5 m (Wood, 4"x6", per 100 lf)	<b>0620</b>	\$0.17
Metal form, 1.8 m x3.0 m, per 14.6 m (Metal form, 6x10 box culvert, per 48 lf)	<b>0310</b>	\$38.61	Wood, 100 mm x205 mm, per 30.5 m (Wood, 4"x8", per 100 lf)	<b>0625</b>	\$0.24
Metal form, 2.4 m x3.7 m, per 15.2 m (Metal form, 8x12 box culvert, per 50 lf)	<b>0320</b>	\$42.78	Wood, 100 mm x305 mm, per 30.5 m (Wood, 4"x12", per 100 lf)	<b>0630</b>	\$0.36
Metal form, 2.1 m x4.3 m, per 15.2 m (Metal form, 7x14 box culvert, per 50 lf)	<b>0330</b>	\$47.02	Wood, 150 mm x305 mm, per 30.5 m (Wood, 6"x12", per 100 lf)	<b>0635</b>	\$0.61
Metal form, type 25 barrier, per 3.0 m (Metal form, type 25 barrier, per 10 lf)	<b>0340</b>	\$2.35	Wood, 150 mm x455 mm, per 30.5 m (Wood, 6"x18", per 100 lf)	<b>0640</b>	\$0.98
Metal form, type 26 barrier, per 3.0 m (Metal form, type 26 barrier, per 10 lf)	<b>0350</b>	\$2.49	Wood, 205 mm x405 mm, per 30.5 m (Wood, 8"x16", per 100 lf)	<b>0645</b>	\$1.20
Metal form, type 27 barrier, per 3.0 m (Metal form, type 27 barrier, per 10 lf)	<b>0360</b>	\$2.15	Wood, 305 mm x455 mm, per 30.5 m (Wood, 8"x18", per 100 lf)	<b>0650</b>	\$1.35
Metal form, type 50 barrier, per 3.0 m (Metal form, type 50 barrier, per 10 lf)	<b>0370</b>	\$2.32	Wood, 305 mm x305 mm, per 30.5 m (Wood, 12"x12", per 100 lf)	<b>0655</b>	\$1.16
Metal form, 1.8 m x 3.7 m girder panel, per 0.1 sm ( 6x12 girder panel, per sf)	<b>0380</b>	\$0.16	Wood form, type 27 barrier, per 2.4 m (Wood form, type 27 barrier, per 8 lf)	<b>0660</b>	\$0.25
Metal form, all heights paving, per 3.0 m (Metal form, all heights paving, per 10 lf)	<b>0390</b>	\$0.04	Wide flange beam, all depths, per 45 kg (Wide flange beam, all depths, per hundred wt.)	<b>0670</b>	\$0.03
Scaffolding, 1.5 m section, per section (Scaffolding, 5' section, per section)	<b>0410</b>	\$0.48	<b>TANK [ TANK ]</b>		
Scaffolding, 3.0 m section, per section (Scaffolding, 10' section, per section)	<b>0420</b>	\$1.08	<u>Model</u>	<u>Code</u>	<u>Rate</u>
Scaffolding, 4.6 m section, per section (Scaffolding, 15' section, per section)	<b>0430</b>	\$1.43	Tank, metal, 0-2270 liters (0-600 gallons)	<b>0710</b>	\$0.66
Scaffolding, bottom/top section, per 1.5 m section (per 5 ft section)	<b>0440</b>	\$0.67	Tank, metal, 2270-4540 liters (600-1200 gal)	<b>0720</b>	\$0.90
Scaffolding, 2.1 m high, rolling (Scaffolding, 7' high, rolling)	<b>0450</b>	\$1.02	Tank, metal, 4540-9840 liters (1200-2600 gal)	<b>0730</b>	\$2.22
Scaffolding, spider staging, plus air compressor	<b>0460</b>	\$21.44	Tank, metal, 22 710 liters (6000 gallons)	<b>0740</b>	\$4.47
Shoring, 1.1 m deep x 2235 mm wide, per section (Shoring,3.5' deep x 88" wide trench, per section)	<b>0510</b>	\$1.11	Tank, metal, 28 390 liters (7500 gallons)	<b>0750</b>	\$5.61
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>	\$10.28	Tank, metal, 30 280 liters ( 8000 gallons)	<b>0760</b>	\$5.94
Shoring, 1.5 m deep x 2235 mm wide, per section (Shoring, 5' deep x 88" wide trench, per section)	<b>0520</b>	\$1.16	Tank, metal, 37 850 liters (10000 gallons)	<b>0770</b>	\$6.58
Shoring, 2.1 m deep x 1397 mm wide, per section (Shoring, 7' deep x 55" wide trench, per section)	<b>0530</b>	\$1.02	<b>TRAFFIC SAFETY [ TRAF ]</b>		
Shoring, 2.1 m deep x 2235 mm wide, per section (Shoring, 7' deepx88" wide trench, per section)	<b>0540</b>	\$1.23	<u>Model</u>	<u>Code</u>	<u>Rate</u>
			Crash cushion barrel, filled, each	<b>0810</b>	\$1.16
			K-rail, temporary concrete barrier, per 6.1 m (20 lf)	<b>0820</b>	\$0.43

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

**DELAY FACTOR = 0.08 OVERTIME FACTOR = 0.92**

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

**CONCUT [ CCUT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
BC-38 (136 blades)	<b>0500</b>	\$191.59
BC-244 (187 blades)	<b>0505</b>	\$236.01
BC-1268 (48 blades)	<b>0510</b>	\$72.90

**CUSHION CUT [ CUCT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
HG-130A (127 blades)	<b>0600</b>	\$181.47
PC-390 (171 blades)	<b>0610</b>	\$282.35

**PENHALL [ PENH ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
G-38 (172 blades)	<b>0800</b>	\$360.30

**TARGET [ TARG ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
CG-65 (41 blades)	<b>0900</b>	\$109.69
PRM-3804 (170 blades)	<b>0905</b>	\$396.92

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

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

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

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
RX-20	<b>0100</b>	\$189.21
RX-30	<b>0105</b>	\$300.61
RX-40B	<b>0110</b>	\$350.02
RX-50	<b>0115</b>	\$411.29
RX-80B	<b>0120</b>	\$688.61

**CATERPILLAR [ CAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
PM-800	<b>0200</b>	\$533.43
PR-105	<b>0201</b>	\$91.39
PR-275	<b>0205</b>	\$251.03
PR-450	<b>0210</b>	\$369.86
PR-750	<b>0215</b>	\$545.75
PR-750B	<b>0216</b>	\$570.28
PR-1000	<b>0220</b>	\$747.80

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
PR-275 RT	<b>0150</b>	\$239.40
PR-375	<b>0155</b>	\$306.75
PR-450	<b>0160</b>	\$351.60
PR-525	<b>0165</b>	\$382.40
PR-500FL	<b>0170</b>	\$415.99
PR-750	<b>0175</b>	\$528.52
PR-800-7	<b>0177</b>	\$576.60
PR-1000	<b>0180</b>	\$626.44

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
MW-175	<b>0280</b>	\$105.27
MW-250	<b>0285</b>	\$113.25
MW-250C	<b>0286</b>	\$136.07
MT-6520 (crawler)	<b>0300</b>	\$340.58
MW-6520	<b>0305</b>	\$244.76
MW-6520HC	<b>0310</b>	\$316.82
MT-7000	<b>0315</b>	\$431.77

**WIRTGEN [ WIRT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
300VC	<b>0380</b>	\$40.52
1000VC	<b>0390</b>	\$154.18
1900DC	<b>0395</b>	\$361.74
2000VC	<b>0400</b>	\$352.42
2100VC	<b>0402</b>	\$455.34
2200VC	<b>0405</b>	\$597.44
3500VC	<b>0410</b>	\$609.95
4200VC	<b>0420</b>	\$627.50

**PUMPS, WATER HOSE [ PUMWA ]**

**DELAY FACTOR = 0.34 OVERTIME FACTOR = 0.69**

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

**A PUMP [ APMP ]**

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	0.6 (10)	<b>000-010</b>	\$3.57
0.6 (10)	1.3 (20)	<b>010-020</b>	\$5.72
1.3 (20)	1.9 (30)	<b>020-030</b>	\$6.39
1.9 (30)	3.2 (50)	<b>030-050</b>	\$24.71
3.2 (50)	7.9 (125)	<b>050-125</b>	\$28.47
7.9 (125)	15.8 (250)	<b>125-250</b>	\$33.15

**INLET-SUCTION HOSE [ INHS ]**

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

OVER	TO	Code	Rate
0	60 (2.5)	<b>0-2.5</b>	\$0.07
60 (2.5)	80 (3)	<b>2.5-3.5</b>	\$0.11
80 (3)	100 (4)	<b>3.5-4</b>	\$0.16
100 (4)	150 (6)	<b>4-6</b>	\$0.26

**OUTLET-DISCHARGE HOSE [ OUHS ]**

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

OVER	TO	Code	Rate
0	60 (2.5)	<b>0-2.5</b>	\$0.05
60 (2.5)	90 (3.5)	<b>2.5-3.5</b>	\$0.09
90 (3.5)	100 (4)	<b>3.5-4</b>	\$0.13
100 (4)	150 (6)	<b>4-6</b>	\$0.17

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

**DELAY FACTOR = 0.10      OVERTIME FACTOR = 0.91**

Includes all attachments and accessories.

**BOMAG [ BMAG ]**

Model	Code	Rate
BW-4AS	<b>1150</b>	\$26.71
BW-6AS	<b>1155</b>	\$28.30
BW-10AS	<b>1160</b>	\$48.47
BW-12AS	<b>1165</b>	\$49.24

**DRESSER [ DRES ]**

Model	Code	Rate
S3-5B	<b>2500</b>	\$35.06
S8-12A	<b>2520</b>	\$46.10
S10-14A	<b>2525</b>	\$46.86

**FERGUSON [ FERG ]**

Model	Code	Rate
3-5 ton	<b>4048</b>	\$21.69
3-5A	<b>4048A</b>	\$22.92
4-6A	<b>4142A</b>	\$23.06
5-8 ton	<b>4236</b>	\$51.65
5-8A	<b>4240</b>	\$39.18
8-12 ton	<b>4424</b>	\$40.65
8-12B	<b>4424B</b>	\$42.59
8-12A	<b>4430</b>	\$40.16
10-14 ton	<b>4450</b>	\$41.53
10-14A	<b>4455</b>	\$40.67
10-14B	<b>4455B</b>	\$43.15

**GALION [ GALN ]**

Model	Code	Rate
4-6 ton roll-o-static	<b>4650</b>	\$34.07
S4-6A, S4-6B	<b>4670</b>	\$36.59

5-8 ton roll-o-static	<b>4800</b>	\$39.70
S5-8A	<b>4820</b>	\$42.14
8-10.5 ton roll-o-static	<b>4988</b>	\$40.34
S8-10.5A	<b>5000</b>	\$42.83
8-12 ton roll-o-static	<b>5176</b>	\$40.64
S8-12A	<b>5190</b>	\$43.48

**HYSTER [ HYST ]**

Model	Code	Rate
C 330A 3-5 ton	<b>6520</b>	\$36.35
C 330B 3-5 ton (Hypac)	<b>6520B</b>	\$27.76
C 330A 4-6 ton	<b>6525</b>	\$37.69
C 330B 4-6 ton (Hypac)	<b>6526</b>	\$29.86
C 340A 5-8 ton	<b>6530</b>	\$44.73
C 340A 8-10 ton	<b>6540</b>	\$45.28
C 340B 5-8 ton	<b>6545</b>	\$39.42
C 340C 5-8 ton (Hypac)	<b>6546</b>	\$41.65
C 340B 8-10 ton	<b>6548</b>	\$40.12
C 340C 8-10 ton (Hypac)	<b>6549</b>	\$42.12
C 350B 8-12 ton	<b>6710</b>	\$46.16
C 350B 10-14 ton	<b>6740</b>	\$46.64
C 350C 8-12 ton	<b>6750</b>	\$41.39
C 350C 10-14 ton	<b>6755</b>	\$42.08
C 350D 8-12 ton	<b>6757</b>	\$42.83

**INGRAM [ INGM ]**

Model	Code	Rate
4-6 ton FB	<b>6900</b>	\$27.52
5-6.5 ton FB	<b>6965</b>	\$29.04
8-12 ton HB	<b>7175</b>	\$40.32
10-14 ton HB	<b>7275</b>	\$40.92

**REXNORD [ RXND ]**

Model	Code	Rate
3-5 ton	<b>8566</b>	\$26.58
4-6 ton	<b>8572</b>	\$27.15
5-8 ton	<b>8578</b>	\$60.61
7-10 ton	<b>8584</b>	\$60.81
8-12 ton	<b>8590</b>	\$61.16
10-14 ton	<b>8596</b>	\$61.49

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

**DELAY FACTOR = 0.14 OVERTIME FACTOR = 0.87**

Includes all attachments and accessories.

<b>BUFFALO-BOMAG</b>	<b>[ B-B ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
BW 20R	<b>2624</b>	\$44.83	

<b>CATERPILLAR</b>	<b>[ CAT ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
PS 110	<b>3460</b>	\$44.53	
PS 130	<b>3465</b>	\$43.95	
PS 180	<b>3470</b>	\$46.14	
PS 200B	<b>3480</b>	\$58.33	

<b>DYNAPAC</b>	<b>[ DYPC ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
CP 15	<b>3500</b>	\$42.86	
CP 21	<b>3510</b>	\$52.47	
CP 27	<b>3520</b>	\$67.82	

<b>GALION</b>	<b>[ GALN ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
3500	<b>4310</b>	\$45.18	
P 3000	<b>4315</b>	\$41.01	
P 3500A	<b>4320</b>	\$45.24	

<b>HYSTER</b>	<b>[ HYST ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
C 530A	<b>5401</b>	\$43.97	
C 550A	<b>5494</b>	\$49.59	

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

**DELAY FACTOR = 0.09 OVERTIME FACTOR = 0.92**

Includes all attachments and accessories.

<b>BUFFALO-BOMAG</b>	<b>[ B-B ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
K 300	<b>1630</b>	\$88.41	
K 301	<b>1635</b>	\$98.40	
K 401	<b>1638</b>	\$115.65	

<b>CATERPILLAR</b>	<b>[ CAT ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
815	<b>2300</b>	\$102.21	
815B	<b>2310</b>	\$149.22	
815F	<b>2320</b>	\$162.17	
825B	<b>2500</b>	\$172.30	
825C	<b>2510</b>	\$220.97	
835	<b>2700</b>	\$220.03	

**RAYGO [ RAGO ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
30	<b>6490</b>	\$85.99
45	<b>6500</b>	\$129.66
RAM PAK 45	<b>6505</b>	\$138.79

**REXNORD [ RXND ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3-30	<b>7120</b>	\$103.33
3-35 PACTOR	<b>7127</b>	\$124.60
3-45 PACTOR	<b>7130</b>	\$159.59
3-50, 3-50A PACTOR	<b>7140</b>	\$179.34
3-55, 3-55B PACTOR	<b>7150</b>	\$212.96

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

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

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.

<b>SINGLE DRUM UNIT</b>	<b>[ ADRU ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
1220 mm x1220 mm (4'X4') & under	<b>4X4</b>	\$1.72	
over 1220 mm (4') - not over 1520 mm (5')	<b>4X5</b>	\$1.94	
over 1520 mm (5')	<b>5</b>	\$3.52	

<b>DOUBLE DRUM UNIT</b>	<b>[ DDRU ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
1220 mm x1220 mm (4'X4') & under, each	<b>4X4</b>	\$4.14	
over 1220 mm (4') - not over 1520 mm (5'), each	<b>4X5</b>	\$12.55	
over 1520 mm (5'), each	<b>5</b>	\$23.08	

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

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

Includes all attachments and accessories.

<b>BUFFALO-BOMAG</b>	<b>[ B-B ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
BW 210	<b>2060</b>	\$67.42	
BW 210A	<b>2070</b>	\$69.39	
BW 213	<b>2080</b>	\$68.51	
BW 214	<b>2090</b>	\$70.23	

<b>BOMAG</b>	<b>[ BMAG ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
BW 35	<b>0700</b>	\$6.89	
BW 60, 60S	<b>0800</b>	\$10.72	
BW 65, 65S	<b>0900</b>	\$7.42	
BW 75, 75S	<b>1000</b>	\$11.99	
BW 85T	<b>1200</b>	\$21.18	
BW 90	<b>1300</b>	\$14.07	



BW 100AD-3	1325C	\$36.19	CS 563 smooth drum	8083	\$101.46
BW 120AD	1350	\$36.83	CS 563C	8083C	\$106.68
BW 142PD	1359	\$42.15	CB 614	8085	\$109.27
BW 151AD	1365	\$60.56	CB 634	8095	\$107.43
BW 170AD, D	1380	\$53.36	CB 634C	8095C	\$108.37
BW 172AD, D	1385	\$53.54	<b>DYNAPAC</b>	<b>[ DYPC ]</b>	
BW 202AD	1400	\$82.88	<u>Model</u>	<u>Code</u>	<u>Rate</u>
<b>BROS</b>	<b>[ BROS ]</b>		LR 90	2401	\$15.41
<u>Model</u>	<u>Code</u>	<u>Rate</u>	A 36V, A 36D	2405	\$37.01
VM 255	2023	\$53.73	CA 12	2409A	\$49.43
VM 268, VM 268H	2024	\$66.11	CA 12D	2409B	\$41.93
VM 278	2025	\$102.11	CA 12PD	2409E	\$42.41
<b>CASE</b>	<b>[ CASE ]</b>		CA 12PDB strikeoff blade	2409H	\$40.28
<u>Model</u>	<u>Code</u>	<u>Rate</u>	CA 15	2410	\$65.29
50B	2228	\$7.80	CA 15A	2420	\$57.14
W 251	2400	\$25.84	CA 15D	2421	\$68.73
252, W 252	2405	\$33.79	CA 20D	2422	\$56.24
752, W 752	2450	\$58.07	CA 15PD	2425	\$57.86
1102, W 1102	2500	\$77.13	CA 25	2430	\$83.62
1102D, W 1102D	2505	\$77.72	CA 25S	2440	\$81.98
602D	2510	\$52.89	CA 25A, CA 25D	2450	\$86.61
752B	2520	\$60.90	CA 25PD	2455	\$89.60
<b>CATERPILLAR</b>	<b>[ CAT ]</b>		CA 25T	2460	\$75.88
<u>Model</u>	<u>Code</u>	<u>Rate</u>	CA 30	2462	\$87.91
CB 214	8025	\$32.76	CA 30D	2464	\$92.37
CB 214B	8026	\$33.96	CA 51S, CA 51D	2466	\$109.65
CB 224	8030	\$33.85	CA 55D	2468	\$112.49
CB 224B	8031	\$35.80	CA 151PDB	2469	\$79.91
CB 224C	8031C	\$36.59	CC 10, CC 10 series II	2470	\$33.38
CB 314	8035	\$35.58	CC 10A	2472	\$29.23
CP 323 padfoot drum	8040	\$56.99	CC 102	2472C	\$35.60
CS 323 smooth drum	8042	\$55.31	CC 12	2472E	\$36.64
CB 414	8045	\$54.62	CC 14	2473	\$52.76
CS 431	8050	\$50.88	CC 21	2474	\$54.08
CS 431B	8051	\$69.79	CC 21 II	2474B	\$57.17
CP 433 padfoot drum	8055	\$57.27	CC 211	2474C	\$65.64
CP 433B padfoot drum	8056	\$76.03	CC 42 II Dynatronic	2475	\$87.52
CP 433E	8056E	\$90.66	CC 42A	2476	\$86.46
CS 433 smooth drum	8060	\$58.04	CC 50	2482	\$95.70
CS 433B smooth drum	8061	\$73.12	CC 50A	2488	\$107.59
CB 434	8062	\$63.18	CC 50PD	2488E	\$167.82
CB 514	8065	\$69.42	CC 50S	2489	\$159.71
CB 534	8067	\$89.57	DD 18	2498	\$13.45
CB 534C	8067C	\$86.34	300V	2499E	\$17.47
CS 551	8070	\$98.41	2100V	2499H	\$16.52
CP 553 padfoot drum	8075	\$103.14			
CS 553 smooth drum	8080	\$99.63			
CP 563 padfoot drum	8082	\$105.26			

<b>ESSICK</b>	<b>[ ESIK ]</b>		SPF 48B	<b>3892</b>	\$68.05
<u>Model</u>	<u>Code</u>	<u>Rate</u>	SP 54	<b>4000</b>	\$64.46
VR 30RE	<b>2700</b>	\$10.07	SP 54DD	<b>4005</b>	\$66.45
VR 42RE	<b>2820</b>	\$25.72	SPA 54	<b>4010</b>	\$65.34
V 30WR, V 30W2-R	<b>2902</b>	\$11.10	SPF 54	<b>4020</b>	\$71.05
			SP 56	<b>4030</b>	\$75.00
<b>HYSTER</b>	<b>[ HYST ]</b>		SP 56DD	<b>4035</b>	\$77.87
<u>Model</u>	<u>Code</u>	<u>Rate</u>	SP 56DH	<b>4037</b>	\$106.12
C 612B	<b>3450</b>	\$59.76	SPF 56	<b>4040</b>	\$79.80
C 610A	<b>3500</b>	\$45.78	SPF 56B	<b>4050</b>	\$82.70
C 610B	<b>3540</b>	\$58.01	SPF 56DH	<b>4080</b>	\$107.60
C 615B	<b>3562</b>	\$60.11	SPF 56DHB	<b>4090</b>	\$111.47
C 617B	<b>3563</b>	\$60.62	SP 60	<b>4100</b>	\$135.35
C 620B	<b>3566</b>	\$59.51	SP 84	<b>4105</b>	\$110.87
C 625B	<b>3570</b>	\$61.21	SP 60DD	<b>4110</b>	\$156.64
C 627B	<b>3572</b>	\$61.89	SPF 60	<b>4120</b>	\$161.28
C 727A	<b>3572E</b>	\$87.58	SPF 60B	<b>4130</b>	\$169.20
C 748A (Hypac/Hyster)	<b>3572F</b>	\$38.92	SPF 60C	<b>4132</b>	\$148.27
C 766A	<b>3572G</b>	\$77.05	SPF 84	<b>4133</b>	\$112.57
C 766B (Hypac/Hyster)	<b>3572H</b>	\$92.73	SPF 84B	<b>4134</b>	\$116.99
C 850A	<b>3572J</b>	\$93.24	SD 40D	<b>4138</b>	\$57.26
C 850B (Hypac/Hyster)	<b>3572K</b>	\$108.24	SD 40F w/ blade	<b>4138FB</b>	\$58.77
C 852A	<b>3572N</b>	\$98.72	SD 70	<b>4139</b>	\$65.86
C 852B (Hypac/Hyster)	<b>3572P</b>	\$111.72	SD 100	<b>4140</b>	\$82.95
C 860A	<b>3572S</b>	\$97.42	SD 100D	<b>4140D</b>	\$100.64
C 860B (Hypac/Hyster)	<b>3572T</b>	\$105.86	SD 100F	<b>4140F</b>	\$101.19
			SD 115D	<b>4141D</b>	\$125.53
<b>INGERSOLL-RAND</b>	<b>[ I-R ]</b>		SD 150D	<b>4143D</b>	\$135.14
<u>Model</u>	<u>Code</u>	<u>Rate</u>	<b>KOEHRING-BOMAG</b>	<b>[ KOBO ]</b>	
DD 22	<b>3565</b>	\$43.35	<u>Model</u>	<u>Code</u>	<u>Rate</u>
DD 23	<b>3570</b>	\$32.01	BW 120AC	<b>4168E</b>	\$36.23
DD 24	<b>3572</b>	\$42.30	BW 120AD	<b>4169</b>	\$36.80
DA 30	<b>3573</b>	\$33.60	BW 121AD	<b>4193</b>	\$33.09
DD 35	<b>3573C</b>	\$35.07	BW 130AD	<b>4193E</b>	\$38.61
DA 40	<b>3573E</b>	\$59.73	BW 140AD	<b>4194</b>	\$59.82
DA 41	<b>3573G</b>	\$62.07	BW 141AC	<b>4194B</b>	\$58.27
DD 34HF	<b>3573HF</b>	\$51.65	BW 141AD	<b>4194E</b>	\$53.58
DA 48	<b>3573M</b>	\$83.08	BW 142D	<b>4194H</b>	\$40.54
DA 50	<b>3574</b>	\$83.54	BW 172	<b>4212</b>	\$50.70
DD 65	<b>3574A</b>	\$64.02	BW 172D	<b>4212E</b>	\$53.19
DF 84	<b>3574B</b>	\$136.78	BW 213D	<b>4237</b>	\$84.49
DS 84	<b>3574C</b>	\$133.54	BW 214D	<b>4238</b>	\$103.58
DD 90	<b>3574D</b>	\$89.26	BW 215D	<b>4240</b>	\$102.54
DD 110	<b>3574F</b>	\$99.05	BW 217D	<b>4242</b>	\$128.90
DD 130	<b>3574H</b>	\$131.95	BW 220D	<b>4250</b>	\$96.81
DD 145	<b>3574J</b>	\$113.56			
SPA 56	<b>3810</b>	\$64.35			
SP 48	<b>3880</b>	\$62.97			
SP 48DD	<b>3885</b>	\$64.56			
SPF 48	<b>3890</b>	\$66.85			

<b>MIKASA</b>	<b>[ MIKA ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
MDR 7DW	4404	\$8.94	
MDR 9G	4405	\$12.72	
MDR T38S	4407	\$9.07	
MRV 10GA	4409	\$14.24	

<b>RAYGO</b>	<b>[ RAGO ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
1-36 REBEL	4805	\$15.46	
2-36 ROMPER	4810	\$33.78	
2-66 RANGER	4820	\$85.16	
2-84 RANGER	4830	\$118.69	
220A RASCAL	4840	\$49.81	
320A RASCAL	4876	\$59.89	
320S RASCAL	4890	\$57.18	
400A RASCAL	5010	\$60.11	
404B RUSTLER	5110	\$65.43	
410A RASCAL	5150	\$63.66	
600A RASCAL	5220	\$80.99	
4000 RASCAL	5235	\$88.59	
4200 RASCAL	5236	\$94.53	
4404 RUSTLER	5236E	\$35.32	

<b>RAMMAX</b>	<b>[ RAMX ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
P 33/24	4605	\$19.68	
P 33/24 w/ remote	4606	\$18.99	
P 51	4625	\$75.25	
S 51	4630	\$39.80	
P 47	5290	\$38.24	

<b>SAKAI</b>	<b>[ SAKI ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
SV 70	8025	\$60.20	
SV 70D	8026	\$62.53	
SV 91	8050	\$90.51	
SV 91D	8051	\$92.47	
SV 200D	8060	\$45.47	

<b>TAMPO</b>	<b>[ TAMP ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
RP 16D (HD)	5990	\$57.44	
RP 28D	5995	\$76.79	
RP 48D	6110	\$100.96	
RP 58D	6115	\$91.84	
RS 16 (HD)	6170	\$54.59	
RS16A (HD)	6180	\$56.53	
RS 16D (HD)	6185	\$57.03	
RS 28C	6315	\$72.71	
RS 28D	6320	\$73.92	

RS 58D	6327	\$90.39
RS 156A	6340	\$60.00
RS 166A	6350	\$79.06
RS 188A	6370	\$101.19
RS 210	6400	\$78.25

<b>WACKER</b>	<b>[ WACK ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
R 900	7850	\$22.62	
R 1000	7855	\$36.14	
W 55T	7860	\$11.21	
W 74L, W 74T	7880	\$11.08	
W 74	7890	\$10.75	
W 75	7900	\$11.53	
WDH 84	7910	\$15.61	
WDH 86-110	7912	\$19.41	
WHK 90, WHK 90L	7915	\$19.30	

<b>SHOVELS &amp; CRANES CRAWLER</b>	<b>[ S&amp;CCL ]</b>
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**DELAY FACTOR = 0.18**      **OVERTIME FACTOR = 0.85**  
Includes all attachments and accessories when used as a crane, clamshell, dragline or for pile driving (not including leads or driving equipment).

<b>LINK-BELT</b>	<b>[ L-B ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
LS 78	4702	\$70.23	
LS 78 pipeliner	4724	\$72.22	
LS 98	4826	\$79.94	
LS 98 pipeliner	4852	\$86.16	
LS 98A	4924	\$81.00	
LS 108B	4980	\$90.18	
LS 108D	4981	\$116.29	
LS 118	4998	\$130.59	
LS 218H	5010	\$215.16	
LS 318	5012	\$130.08	
LS 338	5020	\$141.18	
LS 518	5124	\$207.74	

<b>MANITOWOC</b>	<b>[ MTWC ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>	
222EX (WEST)	5600	\$262.64	
2900 WC	5764	\$116.55	
3000 W	5812	\$148.89	
3900B (100 ton)	6036	\$191.91	
3900 W VICON series 2	6132	\$250.64	
4000 W VICON	6180	\$227.53	
4100 W VICON series 1	6196	\$339.69	
4100 W VICON series 2	6198	\$348.92	
4600 VICON series 1	6328	\$507.63	
4600 VICON series 3	6332	\$583.93	

<b>P&amp;H [ P&amp;H ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
535	7716	\$116.53
550	7748	\$122.51
670 WLC	7892	\$142.32

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

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

**AMERICAN HOIST & DERRICK [ AMHD ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
5470	1015	\$115.71
5530	1080	\$199.48
7450	1130	\$115.54
7460	1140	\$161.35
7530	1170	\$181.24
8460	1178	\$228.92
8470	1179	\$359.80

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
HC 48A	4332	\$70.11
HC 108B	4960	\$86.24
HC 108C	4970	\$121.45
HC 138	4992	\$91.17
HC 138A	4995	\$195.36
HC 218	5050	\$120.29
HC 218A	5051	\$194.56
HC 228H	5054	\$238.35
HC 238A, 238B	5065	\$196.86

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
440 TC	7240	\$86.96
650A TC	7720	\$123.18
670 TC	7790	\$126.74
790 TC	7880	\$119.49
8115A TC	7950	\$163.75

**SANBLASTING EQUIPMENT [ SANBL ]**

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

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

**REMOTE CONTROL ONLY [ REMC ]**

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
45 (100)	159 (350)	010-035	\$1.48
159 (350)	272 (600)	035-060	\$1.95
272 (600)	454 (1000)	060-100	\$1.98
454 (1000)	680 (1500)	100-150	\$2.48
680 (1500)	907 (2000)	150-200	\$2.76

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

**DELAY FACTOR = 0.10 OVERTIME FACTOR = 0.91**

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

**SAWS [ SAW ]**

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

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

**DELAY FACTOR = 0.13 OVERTIME FACTOR = 0.87**

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

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

**OPERATION**

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	7.5 (10)	0-10	\$3.35
7.5 (10)	14.9 (20)	10-20	\$7.65
14.9 (20)	24.6 (33)	20-33	\$15.20
24.6 (33)	33.6 (45)	33-45	\$17.59
33.6 (45)	48.5 (65)	45-65	\$21.02

**BLADE SAWKERF [ ABSK ]**

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

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

**SCRAPERS, SELF PROPELLED**

[ SCRSP ]

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

Includes all attachments and accessories.

**CATERPILLAR**

[ CAT ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
613	1395	\$72.91
613B	1400	\$81.03
613C	1402	\$100.98
615	1415	\$139.59
615C	1416	\$152.21
621B cushion hitch	1680	\$177.98
623B	1700	\$183.16
623E	1702	\$216.17
623F	1703	\$225.78
627B push pull	1770	\$236.26
627E non push-pull	1772	\$251.22
627E push-pull	1773	\$255.75
631C 67M5012 serial	2170	\$204.75
631D	2180	\$251.01
631E	2185	\$273.69
633C non cushion hitch	2305	\$201.00
633C cushion hitch	2315	\$200.80
633C 66M693 serial	2320	\$209.95
633D	2330	\$260.46
637 cushion, non-push-pull	2375	\$303.16
637 non-cushion, push-pull	2410	\$305.31
637D non push-pull	2460	\$367.04
637D push-pull	2470	\$370.81
639D	2475	\$380.09
637E	2476	\$398.72
637E push-pull	2477	\$403.88
641B non cushion hitch	2620	\$256.30
641B cushion hitch	2655	\$297.68
651B non cushion hitch	2935	\$303.05
651B cushion hitch	2970	\$305.39
651E	2975	\$371.85
657B non cushion, non p-p	3360	\$483.12
657B cushion, push-pull	3370	\$489.30
657E non push-pull	3375	\$563.87
657E push-pull	3380	\$581.93
660B	3470	\$282.63
666B	3600	\$453.18

**JOHN DEERE**

[ DEER ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
JD 760A	3845	\$72.59
JD 762	3860	\$89.30
JD 762A	3865	\$93.31
JD 762B	3866	\$108.34

JD 860A	3920	\$106.36
JD 860B	3930	\$111.70
JD 862	3940	\$131.82
JD 862B	3942	\$159.47

**INTERNATIONAL**

[ INTL ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
412B	5631	\$89.95
431B	5637	\$175.33
433B	5643	\$257.05

**TEREX**

[ TERX ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
S 11EB	8245	\$72.37
S 23E 33TOT-H-93SH, elev	8250	\$169.35
S 24 49LOT-76SH serial	8260	\$217.82
S 24B 023-024 serial	8270	\$262.44
S 24C	8275	\$283.73

**WABCO**

[ WAB ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
101F	8570	\$83.54
101G	8575	\$83.74
111A	8640	\$79.13
222G	8700	\$155.01
222H	8704	\$174.60

**TRACTORS, CRAWLER**

[ TRACC ]

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

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

**CASE**

[ CASE ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
350	1820	\$33.39
350B	1825	\$35.36
450	1868	\$28.67
450B	1869	\$32.44
450C	1869E	\$36.70
475	1870	\$47.55
550	2000	\$38.44
650	2100	\$45.43
850	2128	\$38.82
850B	2130	\$41.88
850C	2135	\$45.71
850D	2140	\$48.29
1150B	2250	\$58.08
1150C	2255	\$63.38
1150D	2257	\$65.37
1150E	2258	\$67.67

<b>CATERPILLAR</b>			<b>[ CAT ]</b>		
<u>Model</u>	<u>Code</u>	<u>Rate</u>			
D-3	2340	\$33.68	D-8R	4870	\$204.08
D-3B	2345	\$37.12	D-9H	5160	\$231.85
D-3 LGP	2350	\$34.29	D-9L	5165	\$276.29
D-3B LGP	2355	\$38.31	D-9N	5170	\$235.40
D-3B SA	2370	\$41.52	D-9R	5175	\$274.63
D-3C	2380	\$39.31	D-10	5220	\$423.42
D4C Series III	2450	\$50.15	D-10N	5225	\$339.87
D-4D	2655	\$40.63	D-10R	5227	\$379.01
D-4E direct drive	2660	\$42.56	D-11N	5230	\$527.87
D-4E power shift	2665	\$43.79	<b>JOHN DEERE</b>	<b>[ DEER ]</b>	
D-4H	2670	\$55.26	<u>Model</u>	<u>Code</u>	<u>Rate</u>
D-4H LGP	2675	\$54.92	JD 350C	5360	\$37.04
D-4H Series II	2680	\$56.42	JD 350D	5365	\$41.58
D-4E SA	2772	\$51.71	JD 400G	5405	\$34.76
D-4E LGP power shift	2780	\$43.98	JD 450C	5474	\$37.14
D-4E LGP direct drive	2782	\$43.98	JD 450D	5476	\$38.55
D-4G XL	2790XL	\$50.87	JD 450E	5478	\$39.22
D-5	3194	\$58.30	JD 450G	5479	\$42.24
D-5B power shift	3206	\$61.42	JD 550	5480	\$41.87
D-5B SA	3325	\$67.16	JD 550A	5481	\$45.37
D-5B LGP	3345	\$63.97	JD 550B	5483	\$44.17
D-5C	3346	\$54.52	JD 550G	5484	\$49.18
D-5H	3347	\$73.14	JD 650G	5484A	\$55.07
D-5H Series II	3348	\$76.93	JD 650H LGP	5484H	\$58.81
D-5H LGP	3350	\$76.03	JD 750	5485	\$65.38
D-6C direct drive	3645	\$75.75	JD 750B	5486	\$71.68
D-6C power shift	3688	\$76.36	JD 750 LGP	5487	\$68.19
D-6C LGP	3710	\$78.76	JD 750B LGP	5488	\$86.85
D-6D	3720	\$86.57	JD 850	5490	\$85.55
D-6D SA	3725	\$97.55	JD 850B	5491	\$98.48
D-6D LGP	3730	\$87.01	JD 850 LGP	5492	\$90.09
D-6H	3732	\$98.70	JD 850B LGP	5495	\$105.35
D-6H Series II	3733	\$103.08	<b>DRESSER</b>	<b>[ DRES ]</b>	
D-6H LGP	3735	\$103.04	<u>Model</u>	<u>Code</u>	<u>Rate</u>
D-6M LGP	3745	\$95.21	TD 7E	9100	\$38.12
D-6N XL	3755	\$98.05	TD 7G	9102	\$42.25
D-6R DS	3800	\$108.54	TD 8E	9105	\$46.43
D-6R XL	3815	\$114.06	TD 8G	9107	\$49.74
D-7G	4180	\$129.92	TD 12	9110	\$66.71
D-7G LGP	4200	\$125.94	TD 12 LGP	9115	\$76.16
D-7G SA	4210	\$139.72	TD 15C	9120	\$93.32
D-7H	4215	\$134.58	TD 15E	9122	\$113.74
D-7H Series II	4216	\$143.56	TD 15C LGP	9125	\$90.58
D-7H LGP	4220	\$140.75	TD 20E	9130	\$126.17
D-8K	4858	\$173.80	TD 20G	9135	\$151.79
D-8L	4862	\$207.74	TD 20G LGP	9137	\$159.10
D-8L SA	4863	\$226.36	TD 25E	9139	\$180.21
D-8N	4864	\$185.80	TD 25G	9140	\$220.76

**FIAT-ALLIS**

[ F-A ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
10C	<b>6043</b>	\$73.98
10C LGP	<b>6044</b>	\$74.83
14C	<b>6048</b>	\$93.34
FD 20	<b>6056</b>	\$134.20
21C	<b>6060</b>	\$155.51
FD 30	<b>6060E</b>	\$181.02
31	<b>6061</b>	\$246.63
FD 40	<b>6061E</b>	\$280.34

**KOMATSU**

[ KOMA ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
D 21P-6	<b>7965</b>	\$40.31
D 31A-16	<b>7970</b>	\$35.23
D 31A-17	<b>7972</b>	\$38.55
D 31E-17	<b>7976</b>	\$40.22
D 31E-18	<b>7977</b>	\$42.51
D 31P-16	<b>7980</b>	\$35.60
D 31P-17	<b>7981</b>	\$39.25
D 31P-17B	<b>7981E</b>	\$41.20
D 58E-1	<b>8003</b>	\$77.83
D 58P-1	<b>8003H</b>	\$85.44
D 65E-6	<b>8070</b>	\$90.07
D 65E-7, E-8	<b>8072</b>	\$100.09
D 65P-6	<b>8080</b>	\$92.69
D 65P-7 / D 65P-8	<b>8082</b>	\$103.41
D 68P-1	<b>8083</b>	\$113.89
D 68E-1	<b>8085</b>	\$108.92
D 83E-1	<b>8087</b>	\$132.37
D 83P-1	<b>8088</b>	\$133.69
D 85P-18	<b>8090</b>	\$142.70
D 85A-18	<b>8114</b>	\$126.08
D 85E-12	<b>8120</b>	\$110.88
D 85E-18	<b>8140</b>	\$135.98
D 135A-1	<b>8150</b>	\$174.92
D 155A-1	<b>8160</b>	\$201.79
D 155A-2	<b>8161</b>	\$201.39
D 375A-1	<b>8175</b>	\$320.43
D 375A-2	<b>8176</b>	\$354.30
D 455A-1	<b>8180</b>	\$392.92
D 475A-2	<b>8186</b>	\$551.88

**TRACTORS, HEAVY**

[ TRACH ]

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

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

**CATERPILLAR**

[ CAT ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
814	<b>1400</b>	\$119.88
814B	<b>1410</b>	\$173.82
824B	<b>1720</b>	\$195.68
824C	<b>1730</b>	\$235.80
834B	<b>2010</b>	\$354.85

**TRACTORS, RUBBER TIRE,  
INDUSTRIAL, FARM & SKID STEER**

[ TRACS ]

**DELAY FACTOR = 0.10**                      **OVERTIME FACTOR = 0.91**

**37.3 kW (50 HP) OR LESS**

[ <50 ]

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
with loader or dozer	<b>A</b>	\$29.13
auger, w/ or w/o loader or dozer	<b>B</b>	\$29.52
backhoe, w/ or w/o loader or dozer	<b>C</b>	\$30.96

**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>	\$38.37
auger, w/ or w/o loader or dozer	<b>B</b>	\$38.87
backhoe, w/ or w/o loader or dozer	<b>C</b>	\$40.36

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

**DELAY FACTOR = 0.34 OVERTIME FACTOR = 0.70**

**CHANGEABLE MESSAGE SIGN [ CMSN ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Generator	<b>GEN1</b>	\$13.93
Generator w/ cell remote	<b>GEN2</b>	\$15.13
Solar	<b>SOL1</b>	\$9.29
Solar w/ cell remote	<b>SOL2</b>	\$10.49

**FLASHING ARROW SIGN [ FLAS ]**

Including supplies, replacements and servicing.

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Roof mounted	<b>RM</b>	\$0.82
Trailer mounted	<b>TM</b>	\$3.39

**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>	\$0.44
each without flasher	<b>A2</b>	\$0.23
each	<b>B3</b>	\$1.00

**(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>	\$8.03
700 mm (28") high, per 100	<b>B100</b>	\$13.97
700 mm (28") high w/ refl sleeve, per 100	<b>D100</b>	\$21.56
1,050 mm (42") high w/ refl sleeve, per 100	<b>E100</b>	\$35.86

**(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>	\$22.90

**(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>	\$5.56

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
portable 12 volt	<b>12V</b>	\$5.67

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
incl sign, stand & 3 flags	<b>EACH</b>	\$2.57

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
Del. drum w/ base per 100	<b>100</b>	\$56.72

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

**DELAY FACTOR = 0.41 OVERTIME FACTOR = 0.64**

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 ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2 axle		
4 Tires per axle	<b>100</b>	\$13.70
8 Tires per axle	<b>200</b>	\$17.27

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
3 axle		
4 Tires per axle	<b>300</b>	\$18.38
8 Tires per axle	<b>400</b>	\$21.29

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

<u>Model</u>	<u>Code</u>	<u>Rate</u>
4 axle		
4 Tires per axle	<b>500</b>	\$29.52
8 Tires per axle	<b>600</b>	\$36.64



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

6 axle		
<u>Model</u>	<u>Code</u>	<u>Rate</u>
8 Tires per axle	700	\$58.67

<b>TRAILERS, EQUIPMENT, TILT BED [ TRAIT ]</b>
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**DELAY FACTOR = 0.41 OVERTIME FACTOR = 0.64**

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

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
0	1.8 (2)	00-02	\$0.73
1.8 (2)	3.6 (4)	02-04	\$0.79

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

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
3.6 (4)	5.4 (6)	04-06	\$1.30
7.3 (8)	9.1 (10)	08-10	\$4.02
9.1 (10)	10.9 (12)	10-12	\$4.64
10.9 (12)	12.7 (14)	12-14	\$5.21
12.7 (14)	14.5 (16)	14-16	\$5.79
14.5 (16)	16.3 (18)	16-18	\$5.60
16.3 (18)	18.1 (20)	18-20	\$5.41
18.1 (20)	20.0 (22)	20-22	\$6.20
20.0 (22)	22.7 (25)	22-25	\$6.03

<b>TRENCHING MACHINES [ TRENC ]</b>
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**DELAY FACTOR = 0.11 OVERTIME FACTOR = 0.91**

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

**BOBCAT [ BCAT ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
T 116	2000	\$14.21
T 135	2010	\$32.72
T 136	2020	\$33.04
T 208	2030	\$7.34
3022	2040	\$33.50

**CASE [ CASE ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
TL 70	9051	\$6.02
TL 100	9053	\$8.65
TL 120	9055	\$10.43
TL 200	9070	\$10.60
16+4	9120	\$15.24
25+4	9170	\$21.09
25 + 4 XP	9171	\$26.76
30+4 standard	9224	\$29.71
DH 4	9255	\$40.21
DH 4B	9256	\$44.11

DH 5	9257	\$38.25
DH 5 QUAD	9259	\$38.85
DH 7	9261	\$45.31
360	9263	\$31.81
ROAD RUNNER 380	9277	\$44.00
TF 300	9374	\$19.83
TF 700	9398	\$27.23
TF 800	9405	\$35.48
TF 1000	9460	\$40.72
760	9465	\$41.89

**DITCH WITCH [ D-W ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
R 30	5390	\$27.45
R 36D	5400	\$34.13
R 40	5432	\$35.43
R 65	5556	\$36.55
R 100	5565	\$85.63
V 30	5618	\$26.29
1410	5620	\$10.76
1420	5625	\$11.42
1500	5630	\$8.00
1620	5635	\$14.95
1810	5640	\$15.30
2020	5645	\$19.01
2200	5650	\$18.05
2300	5660	\$27.33
2310	5662	\$28.79
3210	5670	\$30.97
3210 Combo	5675	\$31.84
3500	5676	\$36.47
4010	5677	\$47.12
4010 Combo	5678	\$36.02
5010	5679	\$36.36
6510	5680	\$43.06
6510 Combo	5685	\$46.15

**MIDMARK [ MDMK ]**

<u>Model</u>	<u>Code</u>	<u>Rate</u>
300 A	7945	\$27.26
321	7950	\$28.53
400 A	7955	\$34.71
440	7960	\$43.45

**VERMEER**

[ VERM ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
CC-135	<b>8350</b>	\$93.06
M 220	<b>8380</b>	\$18.17
M 455 / M455A	<b>8480</b>	\$41.70
M 475	<b>8570</b>	\$43.92
M 475A	<b>8571</b>	\$50.12
M 485	<b>8580</b>	\$47.58
M 495	<b>8585</b>	\$78.11
T 300B, T 300A	<b>8718</b>	\$27.99
T 400C, T 400B, T 400A	<b>8781</b>	\$59.66
T 600D, C, B, A	<b>8842</b>	\$85.84
T 650	<b>8843</b>	\$143.76
T 800B, T 800A, T800	<b>8870</b>	\$137.21
T 800C	<b>8871</b>	\$149.89
T 850	<b>8875</b>	\$266.91
V 430	<b>8950</b>	\$31.84
V 430A	<b>8951</b>	\$35.70
V 434 / M 434	<b>9000</b>	\$30.72
V 440	<b>9015</b>	\$33.76
V 450	<b>9017</b>	\$39.50
V 454	<b>9020</b>	\$34.55
V 1550	<b>9025</b>	\$16.91

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

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

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

**TRUCKS** [ T&TT ]

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
<b>CARS , LIGHT TRUCKS</b>			
3175 (7000)	5443 (12000) No small pickups	<b>06-12</b>	\$27.33
5443 (12000)	9072 (20000)	<b>12-20</b>	\$33.46
9072 (20000)	12701(28000)	<b>20-28</b>	\$36.04
12701 (28000)	16330 (36000)	<b>28-36</b>	\$45.17
16330 (36000)	21773 (48000)	<b>36-48</b>	\$52.11
21773 (48000)	27216 (60000)	<b>48-60</b>	\$64.33
27216(60000) & Over		<b>60</b>	\$81.67

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

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

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

**TRUCK OFF-HIGHWAY** [ TRU ]

<u>OVER</u>	<u>TO</u>	<u>Code</u>	<u>Rate</u>
9.1 (10)	13.6 (15)	<b>10-15</b>	\$49.96
16.3 (18)	20.0 (22)	<b>18-22</b>	\$88.55
20.0 (22)	24.5 (27)	<b>22-27</b>	\$111.01
24.5 (27)	29.0 (32)	<b>27-32</b>	\$126.59
29.0 (32)	36.3 (40)	<b>32-40</b>	\$172.97
36.3 (40)	49.9 (55)	<b>40-55</b>	\$259.18
49.9 (55)	60.8 (67)	<b>55-67</b>	\$290.56

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

**DELAY FACTOR = 0.15 OVERTIME FACTOR = 0.86**

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

**TRUCK ON-HIGHWAY** [ TRUN ]

<u>Model</u>	<u>Code</u>	<u>Rate</u>
2 axles	<b>2AXL</b>	\$56.33
3 axles	<b>3AXL</b>	\$72.07
4 axles	<b>4AXL</b>	\$80.06
5 axles	<b>5AXL</b>	\$90.57

**WELDING EQUIPMENT** [ WELD ]

**DELAY FACTOR = 0.18 OVERTIME FACTOR = 0.84**

**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>	\$6.24
250	500	<b>250-500</b>	\$12.11
over	500	<b>500</b>	\$12.32

**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>	\$0.25