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US Army Corps
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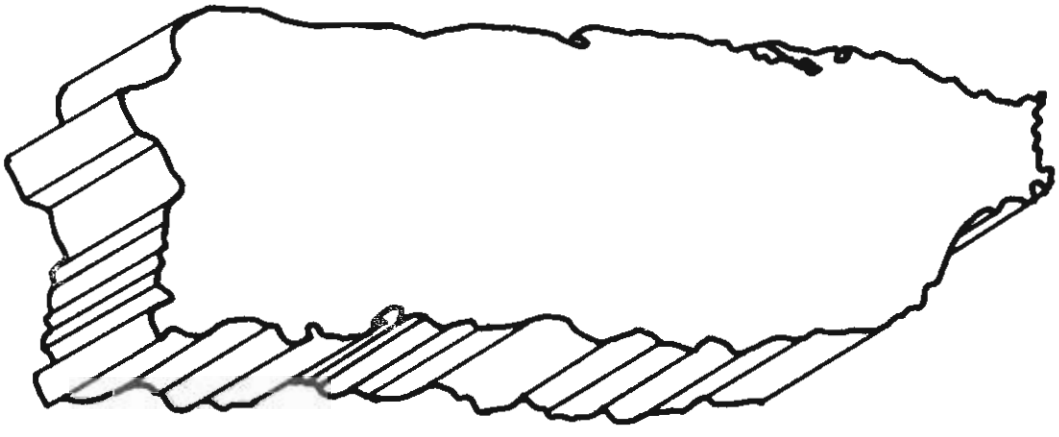
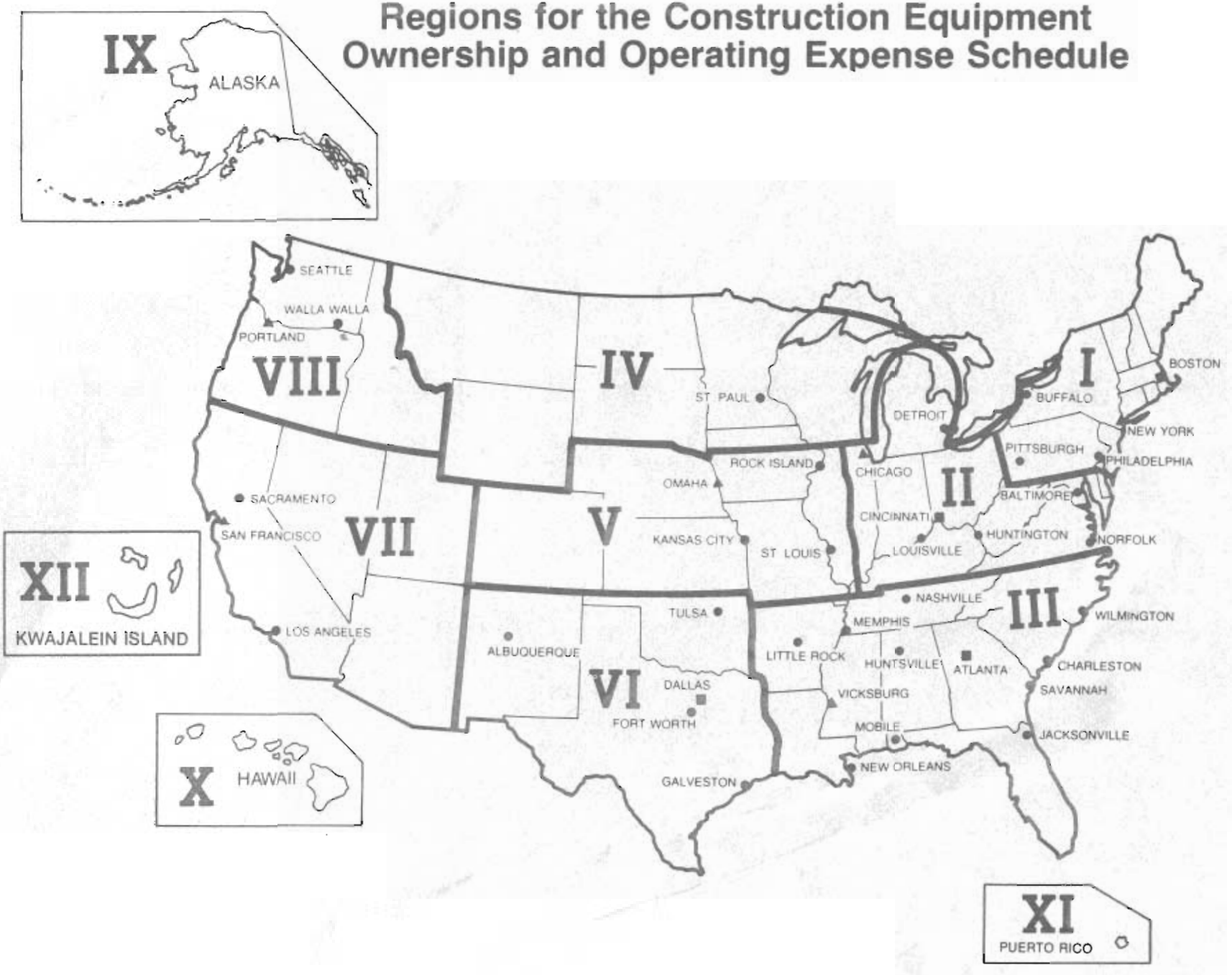
Office of the Chief
of Engineers

Construction Equipment Ownership and Operating Expense Schedule

Region XI



Regions for the Construction Equipment Ownership and Operating Expense Schedule



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DEPARTMENT OF THE ARMY
U.S. Army Corps of Engineers
Washington, DC 20314-1000

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Pamphlet
No. 1110-1-8

1 June 1987

Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

1. Purpose. This pamphlet establishes predetermined equipment ownership and operating expense rates for use in preparation of estimates and in pricing negotiated procurements requiring independent Government estimates.

2. Applicability. This pamphlet applies to all HQUSACE/OCE elements and field operating activities having either military or civil works responsibilities for construction contracts in Region XI which includes the following:

Puerto Rico

3. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead, or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 1985. Ownership percentages and operating cost factors for marine equipment, together with the methodology contained herein, can be used to develop marine equipment rates.

FOR THE COMMANDER:

Arthur E. Williams

ARTHUR E. WILLIAMS
Colonel, Corps of Engineers
Chief of Staff

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Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE

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CHAPTER 1

INTRODUCTION

1-1. Purpose. This pamphlet establishes predetermined equipment ownership and operating expense rates for use in preparation of estimates and in pricing negotiated procurements requiring independent Government estimates (see FAR 31.105).

1-2. Applicability. This pamphlet applies to all field operating activities having either military or civil works responsibilities for construction contracts for work in Region XI, which includes the following commonwealth:

Puerto Rico

1-3. References. See APPENDIX A.

1-4. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead, or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 1985. Ownership percentages and operating cost factors for marine equipment, together with the methodology contained herein, can be used to develop marine equipment rates.

1-5. Use. This pamphlet shall be used as the basis for estimating equipment costs on those contracts which require an independent Government estimate. These include all construction contracts and all negotiated procurements. This pamphlet shall also be used in pricing of contract modifications when:

a. Cost or pricing data as defined in FAR 15.8 is not required.

b. Cost or pricing data is required and actual cost data to support either ownership or operating costs for equipment or equipment groups of similar serial and series is not available.

c. Cost or pricing data is required and available but all or part of the data is determined not to be in accordance with the cost principles of the Federal Acquisition Regulations (FAR).

(2) Cost of Facilities Capital ("CFC").

(a) The cost of facilities capital (CFC) as defined in FAR 31.205-10 and CAS 414 is included in the use rates. This cost was computed by multiplying the cost of money rate (7.625%) determined by the Secretary of the Treasury pursuant to P.L. 92-41 (85 Stat. 97) by the average value of equipment and prorating the result over the annual operating hours. This cost of money rate was discounted to 6.10% to avoid duplication when applying markups for overhead and profit (assumed to be 25.0%). The Department of the Treasury adjusts the cost of money rate on or about 1 January and 1 July each year; these revisions are printed in the Federal Register.

$$\text{CFC/hr} = \frac{[(N-1)(1+S)+2]\ (\text{Equipment Cost})\ (6.10\%)}{2N\ \ (\text{Work Hrs per Year})}$$

Where: N = No. of years in depreciation period
S = Salvage Value Factor

(b) The salvage value is determined by multiplying the salvage factor (expressed as a percentage in APPENDIX D) times the economic adjustment factor as explained in paragraph 2-2.c.(1)(b).

(3) Licenses, Taxes, Storage and Insurance. License fees, taxes, storage and insurance costs are considered indirect costs and are not included in the use rates. If the Contractor normally allocates these costs directly to a particular item of work, an allowance for these costs may be made.

d. Operating Cost.

(1) General. The total operating cost is the sum of the costs for fuel, filters, oil and grease, servicing the equipment, repairs and maintenance, tire wear and tire repair.

(2) Fuel Consumption Cost.

(a) The fuel consumption in gallons per BHP-hour is listed in APPENDIX D for both "Average" and "Severe" conditions. The fuel consumption rate for "Severe Conditions" is 30 percent greater than the "Average Conditions" rate. Fuel consumption is computed by using the following formula:

$$\text{Fuel consumption(gal/hr)} = \frac{\text{BHP x HP Factor x Lbs Fuel per BHP-HR}}{\text{Wt of Fuel per Gallon}}$$

where:

(1) BHP as used herein is the net brake HP of the engine at the flywheel under the following conditions: (a) at sea level; and (b) at full-load governed speed with engine fully equipped with generator, fan, air cleaner, and other regular equipment.

(2) Gasoline consumption = 0.62 lbs per BHP-hr

(3) Diesel consumption = 0.42 lbs per BHP-hr

(4) Gasoline wt = 6.1 lbs per gallon

(5) Diesel wt = 7.1 lbs per gallon

(b) Electricity consumption = HP factor x 1 KW per electric HP hour. This assumes that an electric motor uses 1 KW/HP considering all inefficiencies.

(c) It is necessary to modify the rated horsepower as engines and motors in actual production do not work at their full rated horsepower at all times. The horsepower factor used in the fuel and electricity consumption formulas represents the average percent of full rated horsepower being utilized by the engine. The "HP Factors" are given in APPENDIX D.

(d) The cost per gallon for gasoline and diesel fuel and the cost per kilowatt hour for electricity used to compute the hourly fuel and electricity costs are shown in APPENDIX B. The hourly fuel costs for all gasoline powered equipment and diesel powered highway trucks and truck crane carriers includes an allowance for federal and state road taxes, sales taxes and rental for fuel storage tanks and pumps.

(e) The estimated hourly fuel costs included in TABLE 3-1 are also noted separately for both average and severe conditions. Hourly fuel costs will be adjusted in the event the averaged (weighted) fuel prices (F.O.B. jobsite) vary by more than 10 percent above or below the price assumed in the basic computation. For example, if the price per gallon should increase by 15 percent, then 15 percent of the hourly fuel cost will be added to the total hourly rate. The Contractor will be required to furnish copies of all fuel supply contracts and invoices to the Government. Request for upward adjustment in the rates will be considered only where fuel is to be supplied by recognized distributors. In no event shall the allowance for the hourly "FOG" costs be adjusted in conjunction with any fuel price revisions.

(3) Filters, Oil and Grease Costs (FOG). "FOG" costs are computed as either a percentage of the hourly fuel costs (see APPENDIX D) or, if the equipment has no engine, a reasonable

hourly cost is included. Labor, fringe benefits, and equipment costs for fueling, greasing, and servicing are included in the rate. Material costs for filters, oil, and grease include an allowance for all taxes. The "FOG" allowance for cranes, draglines, backhoes, and shovels (except Key Numbers 150, 185, 200, 210, and 570) has been reduced to allow for servicing normally performed by the oiler assigned to the piece of equipment.

(4) Maintenance and Repair Costs.

(a) The cost of maintenance and repairs includes all expenses incurred for parts, sales taxes, labor, fringe benefits, shop overhead, supporting facilities, outside specialty services, and maintenance equipment. The basic hourly costs are computed as follows:

$$\text{Repairs/Hr} = \frac{(\text{New Equipment Cost} - \text{Tire Cost})\ (\text{Repairs \%})}{\text{Life in Hrs}}$$

The maintenance and repair cost percentages are given in APPENDIX D (Column "RPR"). The tire cost is the cost of the tires when the equipment was purchased new.

(b) The basic hourly rate for maintenance and repairs is adjusted by two multiplying factors so that actual costs and site conditions are considered.

(1) Economic Adjustment Factor. The economic adjustment factor (EAF) is used to adjust the basic hourly rate to current price levels. The indexes in APPENDIX E are used to develop this factor which is equal to the economic index for current year divided by the economic index for the year the piece of equipment was purchased new.

(2) Labor Adjustment Factor. The labor adjustment factor (LAF) is used to adjust the repairs percentage (RPR) to account for variations in labor costs. The factor for the area covered by this pamphlet is given in APPENDIX B.

(5) Hourly Tire Cost.

(a) Tires included on rubber-tired equipment are the bias ply tires suggested as standard equipment by the equipment manufacturers.

(b) The hourly tire cost equals the current cost of new tires plus the cost of one recapping divided by the expected life of the new tires plus the life of the recapped tires. It has been determined that a recap costs approximately 50 percent of

the new tire cost and that the life of a new tire plus recapping will equal approximately 1.8 times the "useful life" of a new tire. The current tire costs are shown for information in APPENDIX J.

(c) The useful tire life was determined from the method and tables in "Production and Cost Estimating of Material Movement with Earthmoving Equipment," (dated September 1975) prepared by Terex Division of General Motors. The maximum tire life, however, has been assumed to be as indicated in APPENDIX F. A sample computation of the tire wear factors for off-highway haul units is given in APPENDIX F.

(d) The tire wear factor for front tires for belt loaders shown in APPENDIX D is used to provide an hourly allowance for belt wear of the conveyor belt.

(6) Tire Repair Costs. Tire repairs are computed as 15 percent of the hourly tire wear cost.

e. Standby. The standby rate is computed from the average condition rates by allowing the full "CFC" hourly cost plus one-fourth of the hourly depreciation. No more than 8 hours of standby will be paid during a 24-hour day, nor more than 40 hours per week. Standby time will not be allowed unless the equipment has been in idle status in excess of 16 hours during a 24-hour day. Likewise, standby will not be allowed during periods when the equipment would have otherwise been in idle status. Actual operating time during a week will be credited against the 40 hours maximum standby allowance.

f. Working Hours. The hourly use rates shown in TABLE 3-1 are computed on the basis of a 40-hour work week. When the Contractor works more than 40 hours per week the cost for "CFC" will be excluded from the hourly rate for those hours in excess of 40 hours per week. The hourly use rates for work weeks greater than 40 hours can be computed as shown in the sample computations or may be calculated by the use of TABLE 3-4.

g. Sample Computation. A sample computation has been provided in Figure 2-1 to illustrate how the hourly use rates in TABLE 3-1 were computed using the methodology stated in this pamphlet. When an hourly rate for a specific piece of equipment must be computed by the methods in Figure 2-1, the procedure given shall be followed.

CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET
(EP 1110-1-8)

(Since this request for information is to le than ten persons, OMB approval under Sectio 3507, 44 USC, is not required.)

1. REQUIRED DATA

a. Unit Number 3775

(1) Equipment Description P&H 70 TON TRUCK CRANE

(2) Model and Series MODEL 9070

(3) Year Purchased 1985 (4) Year Manufactured 1985

(5) Equipment Horsepower 140 HP (6) Carrier Horsepower 335 HP

(7) Fuel Type DIESEL(OFF)/DIESEL(ON) (8) Shipping Weight 1,115 CWT

(9) Tire Size: Front- 16.5x22.5 16 PLY (4EA) Drive- 12x20 16ply (8ea) Trailing- —

b. Key Number from APPENDIX D 230

(1) Condition AVERAGE

(2) Salvage Value 15% (3) Life 20,000 hrs

(4) Equipment Fuel Factor .038 (5) Carrier Fuel Factor .006

(6) FOG Factor: Gas — Diesel .26 Electric —

(7) Tire Wear Factor: Front .97 Drive .78 Trailing —

(8) Repairs Cost Factor .70

2. EQUIPMENT COST

a. List Price Year of Manufacture (including extras) =$ 386,980.00

(1) Discount: (List Price) x *7.5% *(~~17.6%~~ 15.0% for Highway Trucks)

=($ 386,980) x *.075 =(-)$ 29,023.50

(2) Freight: (Shipping Weight) x (Prep. and Del. Rate)
From 1-a-(8) From APPENDIX B

=(1115) x ($ 7.90) =(+)$ 8,808.50

b. Subtotal: Summation of Part a. (Use actual cost when available) =$ 366,765.00

(1) State Sales Tax: (Subtotal) x (Tax Rate)
From 2-b

=($ 366,765) x (0.066) =(+)$ 24,206.49

c. Equipment Cost: Summation of Part b. (Use actual cost when available) =$ 390,971.49

ENG FORM 4737-R, Jan 83 EDITION OF MAY 81 IS OBSOLETE. (Proponent: DAEN-CWE-BA and ECE-S)

Figure 2-1. Example of Equipment Rate Computation.

CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET (Continued)

3. LIFE (N)

(Life From 1-b-(3)) ÷ (Hours Use/Year From APPENDIX B)

= (20,000 Hrs) ÷ (1,650 Hrs/Yr) 12.12 Yrs.

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

(Economic Index for Present Year From APPENDIX E) ÷ (Economic Index for Year of Manufacture From APP. E)

= (3632) ÷ (3395) = 1.070 (EAF)

5. SALVAGE VALUE FACTOR (S)

(Salvage Factor From 1-b-(2)) x (EAF From 4)

= (.15) x (1.070) = .161 (S)

6. OWNERSHIP COSTS

a. Depreciation:

[(Equipment Cost From 2-c) x [1.0 - (S From 5)] - (Tire Cost Yr. of Mfg.)] ÷ (Life From 1-b-(3))

= [($390,971) x [1.0 - (.161)] - ($6,639)] ÷ (20,000 Hr) = $16.07/Hr.

b. Cost of Facilities Capital (CFC):

(1) [[(Life From 3) - 1.0] x [(S From 5) + 1.0] + 2.0] ÷ [(Life From 3) x 2.0]

= [[(12.12 Yrs) - 1.0] x [(.161) + 1.0] + 2.0] ÷ [(12.12 Yrs) x 2.0] = 0.615

(2) (Equipment Cost From 2-c) x (Average Value Factor From 6-b-(1)) x (CFC Factor From Para. 2-2.c.(2)) ÷ (Hrs Use/Yr From APP. B)

= ($390,971) x (0.615) x (.061) ÷ (1,650 Hrs/Yr) = $8.89/Hr.

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) = $24.96/Hr.

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Figure 2-1. (Contuined)

CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET (Continued)

7. OPERATING COSTS

a. Fuel Costs:

(1) Equipment: (Equip Fuel Factor From 1-b-(4)) x (H.P. From 1-a-(5)) x (Fuel Cost Per Gal.)

=(.038) x (140 HP) x ($ .81 /Gal) =$ 4.31 /Hr.

(2) Carrier: (Carrier Fuel Factor From 1-b-(5)) x (H.P. From 1-a-(6)) x (Fuel Cost Per Gal.)

=(.006) x (335 HP) x ($ .84 /Gal) =$ 1.69 /Hr.

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) =$ 6.00 /Hr.

b. FOG Costs:

(1) Equipment: (FOG Factor From 1-b-(6)) x (Hourly Fuel Cost From 7-a-(1))

=(.26) x ($ 4.31 /Hr) =$ 1.12 /Hrs.

(2) Carrier: (FOG Factor From 1-b-(6)) x (Hourly Fuel Cost From 7-a-(2))

=(.26) x ($ 1.69 /Hr) =$ 0.44 /Hr.

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) =$ 1.56 /Hr.

c. Repairs Cost:

(1) Repair Factor:

(Repairs Cost Factor From 1-b-(8)) x (EAF From 4) x (LAF From APP. B)

=(.070) x (1.070) x (.78) = 0.584

(2) Hourly Repairs:

[(Equipment Cost From 2-c) - (Tire Cost Yr. of Mfg.)] x (Repair Factor From 7-c-(1)) ÷ (Life From 1-b-(3))

=[($ 39,971) - ($ 6,639)] x (.584) ÷ (20,000 Hr) =$ 11.22 /Hr.

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Figure 2-1. (Continued)

CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET (Continued)

d. Tire Wear Costs (Current Price Levels):

(1) Front Tires: 1.5 x (Front Tires Cost) ÷ [1.8 x (F-Tire Ftr Frm 1-b-(7)) x (Max Tire Life Frm Tbl F-1)]

=1.5x($ 2512)÷[1.8x(.97)x(5,000 Hr)] =$ 0.43 /Hr.

(2) Drive Tires: 1.5 x (Drive Tires Cost) ÷ [1.8 x (D-Tire Ftr Frm 1-b-(7)) x (Max Tire Life Frm Tbl F-1)]

=1.5x($ 4,256)÷[1.8x(.78)x(5,000 Hr)] =$ 0.91 /Hr.

(3) Trailing Tires: 1.5x(Trlg Tires Cost) ÷ [1.8x(T-Tire Ftr Frm 1-b-(7)) x (Max Tire Life Frm Tbl F-1)]

=1.5x($ —)÷[1.8x(—)x(— Hr)] =$ — /Hr.

(4) Total Tire Wear Cost: (Sum 7-d-(1) thru (3)) =$ 1.34 /Hr.

e. Tire Repair Cost: (Tire Wear Frm 7-d-(4)) x 0.15

=($ 1.34) x 0.15 =$ 0.20 /Hr.

f. Total Operating Costs: (Sum 7-a thru 7-e) =$ 20.32 /Hr.

8. TOTAL HOURLY RATES

a. Single Shift Hourly Rate: (40 Hours per Week)

(Ownership Costs Frm 6-c) + (Operating Costs Frm 7-f)

=($ 24.96 /Hr) + ($ 20.32 /Hr) =$ 45.28 /Hr.

b. Hourly Rate for Other Work Shifts:

(Depreciation From 6-a) + [(CPC Frm 6-b-(2)) x 40 ÷ (Work Hrs Per Week)] + (Operating Costs Frm 7-f)

=($ 16.07 /Hr) + [($ 8.89 /Hr)x40÷(60 Hr/Wk)] + ($ 20.32 /Hr) =$ 42.32 /Hr.

c. Hourly Standby Rate:

(Depreciation From 6-a) x 0.25 + (CPC Frm 6-b-(2))

=($ 16.07 /Hr) x 0.25 + ($ 8.89 /Hr) =$ 12.91 /Hr.

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Figure 2-1. (Continued)

CHAPTER 3

RATE SCHEDULE

3-1. Introduction. Hourly rates for construction equipment for both average and severe conditions are presented in TABLE 3-1. The rates may be adjusted when (a) "Difficult Conditions" are specified by the contract, (b) actual acquisition cost is significantly different from the "Equipment Cost" shown, (c) age is different from that used, (d) license, taxes, storage and insurance costs are charged directly to an item of work, (e) fuel costs differ by more than 10% from the cost shown, (f) CFC percentage for the time period in question is different than that shown in paragraph 2-2.c.(2), and (g) work week exceeds 40 hours per week. Whenever one or more of these conditions exist, the rates may be adjusted using the tables in this chapter.

3-2. Hourly Equipment Ownership and Operating Expense.

a. Description.

(1) The following example illustrates how the equipment is listed in TABLE 3-1. The unit number 3685 is the identifying number of this piece of equipment in the input and output computer listings. The number 5530 is the model number of the equipment (American Model 5530 Truck Crane). The crane is rated at 75 tons and is equipped with a 170-foot boom. The crane has a 115-horsepower engine, the carrier has a 238-horsepower engine and both engines are diesel. The cost column reflects the pre-determined "equipment cost," used to compute the rates.

(2) The "total hourly rate" column includes all ownership and operating expenses, including fuel costs. The "Adjustable Elements" column shows ownership and fuel costs broken out of the total rate so they can be adjusted as indicated in CHAPTER 2 and 3. Operating costs may be determined by subtracting the ownership cost from the total hourly rate. The CWT column is the shipping weight of the equipment in hundredweight.

b. Truck Selection. Because of the large number of possible combinations of highway truck chassis and truck bodies, they are listed separately. To make an exact truck selection for a given set of hauling conditions would require lengthy calculations; however, for estimating purposes the selection can be made by using the GVW rating of the truck chassis. The combined weight of the truck chassis, the truck body and the payload must not exceed the GVW rating shown for the truck

chassis. The gross combined weight (GCW) of the truck, trailer, and payload must not exceed the GCW rating shown.

c. Dozer Selection. Because of the various number of dozer and ripper combinations available for each crawler tractor the tractors and attachments are listed separately. Only the hourly expense for those attachments that are required to perform the work shall be allowed.

d. Equipment Extras. Equipment extras included on the major pieces of equipment in TABLE 3-1 are listed in APPENDIX G.

e. Equipment Not Listed. When an item of equipment is not listed in TABLE 3-1 the hourly rate may be determined by using the hourly rate listed for a similar piece of equipment or by proportioning a rate listed so that capacity, size, and horsepower are properly considered. When an hourly rate cannot be determined from TABLE 3-1, the rate will be calculated following the methodology outlined in CHAPTER 2.

f. Over-Age Equipment. When an item of equipment has exceeded the economic service life given in APPENDIX D, it is considered over-age and the hourly use rate will not exceed the rate for a piece of equipment that is not over-age. An hourly rate for over-age equipment will be computed from TABLE 3-1 and the age adjustment tables or as shown in Figure 2-1 on the basis that the equipment is as old as possible without exceeding the "life" as shown in APPENDIX D. In other words, the base year for determining over-aged equipment value should be the year for which the last factor in TABLE 3-2 is given.

g. Equipment Purchased Used. A detailed method for computing an hourly use rate for equipment purchased used has not been included in this pamphlet. The condition of the equipment at the time of purchase (extent of capital improvements, mechanical condition of drive train, previous hours of operation, etc.) is difficult or impossible to determine and to evaluate when computing an hourly use rate based on actual acquisition cost. When actual cost data in accordance with paragraph 1-5 is not available, an hourly use rate and standby rate for equipment purchased used will be computed on the basis that the equipment was purchased new by the contractor in the year it was manufactured.

h. Rate Adjustment Tables. The rate adjustment tables (TABLES 3-2, 3-3 and 3-4) should be used to adjust the hourly rates in TABLE 3-1 when the actual age of the equipment and working hours are to be considered. These tables may be used whenever information is available to indicate that the

contractor's equipment is not the same age as the equipment listed in this pamphlet or when the hours worked have exceeded 40 hours per week. The rate adjustment tables have been developed from the equations used to calculate ownership and standby costs and it has been determined that they provide reasonable adjustment factors to allow a short-cut method for computing an hourly use rate when actual conditions are considered. When cost or pricing data is available the rate adjustment tables may be used in lieu of a step-by-step rate computation for each item of equipment, provided that the equipment is equivalent in size, capacity, horsepower, etc. to the item listed in the pamphlet. In order to facilitate these adjustments, work sheets such as those shown at the end of TABLES 3-2 and 3-3, may be used.

i. Hourly Rate Elements. The individual cost elements, which comprise the total hourly rate (for both average and severe conditions) are shown in TABLE 3-5. These hourly rate elements are listed by equipment unit number corresponding to each piece of equipment shown in TABLE 3-1. Ownership cost elements consist of depreciation (DEPR) and cost of facilities capital (CFC). Operating cost elements consist of fuel (FUEL); filters, oil, and grease (FOG); tire wear (TIRE WEAR); tire repair (TIRE RPR); and maintenance and repair costs (REPR).

j. CFC Adjustment. If the cost of money rate shown in paragraph 2-2.c.(2) is no longer current, the CFC portion of the rate shall be adjusted upward or downward to match the cost of money rate for the period of use in question. For example, if the cost of money should increase by 10% (say from 8.50% to 9.35%), then 10% of the hourly CFC cost (from TABLE 3-5) will be added to the total hourly rate. See APPENDIX I for a complete listing of cost of money rates to date.

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

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UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	AGGREGATE/CHIP SPREADER **********									
	ETNYRE - SELF-PROPELLED									
1015	SPREAD TO 8" DEPTH & 10' WIDE 184 HP G	59,647	20.13		2.63	6.10	8.45			155
1020	SPREAD TO 8" DEPTH & 13' WIDE 140 HP D	66,643	15.00		2.95	6.83	3.40			160
	ROSCO - SELF-PROPELLED									
1030	CHIP SPREADER AT 10' WIDE 137 HP G	61,917	17.82		2.73	6.34	6.29			170
1035	CHIP SPREADER AT 13.5' WIDE 137 HP G	62,713	17.95		2.77	6.42	6.29			175
	AIR COMPRESSORS, PORTABLE ********** (HOSE NOT INCLUDED)									
	ROTARY SCREW									
1050	SIZE 100 CFM QUIET 100 PSI 50 HP G	11,688	5.74		0.51	1.15	2.97			20
1055	SIZE 100 CFM QUIET 100 PSI 33 HP D	14,028	3.49		0.62	1.39	1.02			26
1060	SIZE 125 CFM QUIET 100 PSI 70 HP G	14,303	7.72		0.62	1.41	4.16			24
1065	SIZE 125 CFM QUIET 100 PSI 51 HP D	15,215	4.39		0.67	1.51	1.57			26
1070	SIZE 175 CFM QUIET 100 PSI 70 HP G	15,609	7.92		0.69	1.54	4.16			26
1075	SIZE 175 CFM QUIET 100 PSI 54 HP D	17,706	4.89		0.78	1.75	1.66			28
1080	SIZE 185 CFM QUIET 100 PSI 70 HP G	16,116	8.00		0.71	1.59	4.16			27
1085	SIZE 185 CFM QUIET 100 PSI 69 HP D	19,002	5.67		0.83	1.88	2.12			29
1090	SIZE 250 CFM QUIET 100 PSI 88 HP D	22,315	6.96		0.98	2.21	2.71			55
1095	SIZE 375 CFM QUIET 100 PSI 122 HP D	35,189	10.35		1.53	3.43	3.76			79
1100	SIZE 450 CFM QUIET 100 PSI 152 HP D	45,559	13.14		1.99	4.46	4.68			89
1105	SIZE 600 CFM QUIET 100 PSI 188 HP D	54,673	16.01		2.39	5.37	5.79			97
1110	SIZE 750 CFM QUIET 100 PSI 228 HP D	63,455	18.95		2.78	6.24	7.02			128
1115	SIZE 825 CFM QUIET 100 PSI 260 HP D	72,147	21.56		3.16	7.10	8.00			130
1120	SIZE 900 CFM QUIET 100 PSI 270 HP D	79,073	23.05		3.47	7.80	8.31			148
1125	SIZE 1000 CFM QUIET 100 PSI 294 HP D	77,042	23.67		3.38	7.60	9.05			186
1130	SIZE 1200 CFM QUIET 100 PSI 400 HP D	105,723	32.32		4.64	10.45	12.31			196
1135	SIZE 1600 CFM QUIET 100 PSI 456 HP D	119,509	36.69		5.24	11.81	14.04			216

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	AIR EQUIPMENT ********** (HOSE NOT INCLUDED)									
	CLEMCO - SANDBLASTERS									
1150	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,573	0.88		0.12	0.35	0.00			3
1155	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,864	1.57		0.22	0.65	0.00			5
1160	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,886	1.58		0.22	0.65	0.00			6
1165	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	3,173	1.81		0.25	0.72	0.00			7
1170	SCH-3079R SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,289	2.40		0.33	0.97	0.00			9
1175	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	12,478	6.78		0.95	2.76	0.00			28
1180	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	15,373	8.29		1.16	3.30	0.00			45
1185	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	18,743	10.16		1.41	4.06	0.00			53
	GARDNER DENVER - TOOLS									
1195	SPADER SP27E 32CFM A	952	0.57		0.08	0.22	0.00			1
1200	SINKER DRILL S58 98CFM A	2,084	1.21		0.16	0.47	0.00			1
1205	PAVING BREAKER B37 41CFM A	977	0.58		0.08	0.22	0.00			1
1210	PAVING BREAKER B67C 46CFM A	1,047	0.62		0.08	0.24	0.00			1
1215	PAVING BREAKER B87C 50CFM A	1,138	0.66		0.09	0.26	0.00			1
1220	FEED LEG DRILL S83F-54" TRAVEL 103CFM A RETRACTABLE FL-7	3,827	2.16		0.30	0.87	0.00			1
	MASTER - CONCRETE VIBRATORS									
1230	CONCRETE VIBR. MOD A-600SH 6" 125CFM A	2,056	1.65		0.16	0.47	0.00			1
1235	CONCRETE VIBR. MOD A-450SH 4.5" 110CFM A	1,323	1.10		0.11	0.30	0.00			1
1240	CONCRETE VIBR. MOD A-35010 3.5" 82CFM A	1,188	0.97		0.09	0.27	0.00			1
1245	CONCRETE VIBR. MOD A-30010 3" 64CFM A	1,072	0.86		0.08	0.24	0.00			1
1250	CONCRETE VIBR. MOD A-25010 2.5" 40CFM A	841	0.67		0.06	0.19	0.00			1

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ASPHALT DISTRIBUTOR ********** (NO CHASSIS)									
	ROSCO									
1265	MOD RES 1000 GAL. TRUCK MOUNTED 45 HP G 18,000 TO 24,000 GVW REQUIRED	32,752	9.18		1.46	3.41	2.67			72
1270	MOD RES 1500 GAL. TRUCK MOUNTED 45 HP G 24,000 TO 32,000 GVW REQUIRED	33,546	9.31		1.50	3.49	2.67			75
1275	MOD RES 2000 GAL. TRUCK MOUNTED 45 HP G 32,000 GVW REQUIRED	35,913	9.72		1.60	3.74	2.67			87
1280	MOD RES 3000 GAL. TRUCK MOUNTED 45 HP G 42,000 GVW REQUIRED	40,338	10.49		1.80	4.20	2.67			109
	ASPHALT FINISHERS ********** SPW=STANDARD PAVING WIDTH									
	BARBER-GREENE									
1295	MOD SB111 8' SPW (PNEUMATIC) 70 HP D	94,631	19.61		4.18	9.70	2.15			165
1300	MOD SB131 10' SPW (PNEUMATIC) 95 HP D W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	156,881	31.76		6.91	15.99	2.92			258
1305	MOD SB140 10' SPW (PNEUMATIC) 130 HP D OPTIONS SAME AS MOD SB131	176,097	36.55		7.76	18.00	4.00			325
1310	MOD SA150 10' SPW (CRAWLER) 130 HP D OPTIONS SAME AS MOD SB131	208,128	41.83		9.27	21.66	4.00			375
	BLAW-KNOX									
1320	MOD PF-22 5'-8'SPW (PNEUMATIC) 30 HP D	51,548	10.41		2.26	5.21	0.92			95
1325	MOD PF-35 6'-8'SPW (PNEUMATIC) 44 HP D	85,350	16.93		3.77	8.74	1.35			104
1330	MOD PF-115 8'SPW (PNEUMATIC) 56 HP D	114,134	22.56		5.03	11.66	1.72			180
1335	MOD PF-120H 10'SPW (PNEUMATIC) 95 HP D	138,446	28.50		6.08	14.07	2.92			240
1340	MOD PF-180H 10'SPW (PNEUMATIC) 92 HP D	164,548	33.08		7.23	16.72	2.83			277
1345	MOD PF-220 12'SPW (PNEUMATIC) 148 HP D	213,837	44.16		9.38	21.68	4.56			387
1350	MOD PF-400A 8'SPW (CRAWLER) 90 HP D	152,626	30.48		6.80	15.89	2.77			230
1355	MOD PF-500 10'SPW (CRAWLER) 125 HP D	183,700	37.34		8.19	19.13	3.85			291

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ASPHALT KETTLES **********									
	ROSCO									
1370	MOD KB 110 GAL. TRAILER MOUNTED	4,190	1.88		0.21	0.51	0.00			13
1375	MOD KD 225 GAL. TRAILER MOUNTED	4,938	2.15		0.25	0.61	0.00			16
	AEROIL									
1385	MOD KE-B-80 GAL. TRAILER MOUNTED	2,896	1.48		0.14	0.34	0.00			9
1390	MOD KE-BR-115 GAL. TRAILER MOUNTED	3,424	1.85		0.17	0.41	0.00			15
	ASPHALT RECYCLER **********									
	AEROIL									
1405	MOD AR-100 TRAILER MOUNTED 7 HP G	9,263	4.04		0.46	1.13	0.42			16
	BROOMS ********									
	M-B									
1420	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER	6,898	1.41		0.31	0.71	0.00			24
1425	MOD 53-M 7 FT. TOWED 30 HP G MOTOR DRIVEN W/SPRINKLER	8,870	3.71		0.39	0.91	1.78			30
1430	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER	3,350	0.67		0.15	0.35	0.00			10
1435	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER	6,023	1.16		0.27	0.63	0.00			14
	BRUSH CHIPPERS **********									
	CHIPMORE									
1450	MOD TM-20 TRAILER-MTD 11 HP G	4,097	1.34		0.18	0.42	0.46			7
1455	MOD TM-30 TRAILER-MTD 18 HP G	4,909	1.86		0.22	0.50	0.75			9
1460	MOD TM120 TRAILER-MTD 12" DIA.LOG 60 HP G	10,464	5.13		0.47	1.08	2.48			36
1465	MOD TM120 TRAILER-MTD 12" DIA.LOG 76 HP D	13,195	4.47		0.59	1.36	1.66			42

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	BRUSH CHIPPERS (CONT'D) **********									
	FMC									
1475	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	12,308	10.37		0.54	1.27	6.21			41
1480	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	13,468	10.59		0.59	1.37	6.21			45
	BUCKETS, CLAMSHELL **********									
	ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1495	.75 C.Y.	12,049	1.99	2.56	0.54	1.30	0.00	1.57	0.00	37
1500	1.0 C.Y.	12,933	2.14	2.74	0.58	1.40	0.00	1.68	0.00	41
1505	1.5 C.Y.	18,550	3.07	3.93	0.83	2.00	0.00	2.41	0.00	61
1510	2.0 C.Y.	21,537	3.57	4.57	0.97	2.33	0.00	2.80	0.00	69
1515	2.5 C.Y.	28,055	4.64	5.94	1.26	3.03	0.00	3.64	0.00	88
1520	3.0 C.Y.	29,728	4.92	6.30	1.34	3.21	0.00	3.86	0.00	94
1525	3.5 C.Y.	32,152	5.33	6.81	1.45	3.48	0.00	4.17	0.00	105
1530	4.0 C.Y.	35,409	5.86	7.51	1.60	3.83	0.00	4.60	0.00	115
1535	4.5 C.Y.	38,301	6.35	8.11	1.73	4.15	0.00	4.97	0.00	126
1540	5.0 C.Y.	40,702	6.75	8.62	1.84	4.41	0.00	5.28	0.00	140
1545	5.5 C.Y.	44,820	7.41	9.50	2.01	4.84	0.00	5.82	0.00	152
1550	6.0 C.Y.	46,564	7.71	9.87	2.10	5.04	0.00	6.05	0.00	160
1555	6.5 C.Y.	49,023	8.13	10.39	2.21	5.31	0.00	6.37	0.00	169
1560	7.0 C.Y.	51,423	8.51	10.90	2.31	5.56	0.00	6.68	0.00	177
1565	7.5 C.Y.	53,364	8.84	11.31	2.40	5.77	0.00	6.93	0.00	184
	ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE									
1575	.75 C.Y.	15,644	2.59	3.32	0.70	1.69	0.00	2.04	0.00	33
1580	1.0 C.Y.	15,699	2.60	3.33	0.71	1.70	0.00	2.04	0.00	46
1585	1.5 C.Y.	22,836	3.78	4.83	1.03	2.47	0.00	2.96	0.00	70
1590	2.0 C.Y.	24,643	4.09	5.22	1.11	2.67	0.00	3.20	0.00	78

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	BUCKETS, CLAMSHELL (CONT'D) **********									
	ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE (CONT'D)									
1595	2.5 C.Y.	31,301	5.19	6.64	1.41	3.39	0.00	4.07	0.00	98
1600	3.0 C.Y.	34,247	5.67	7.26	1.54	3.70	0.00	4.45	0.00	109
1605	3.5 C.Y.	39,053	6.47	8.27	1.76	4.23	0.00	5.07	0.00	120
1610	4.0 C.Y.	41,998	6.96	8.90	1.90	4.55	0.00	5.45	0.00	131
1615	4.5 C.Y.	45,115	7.47	9.56	2.03	4.88	0.00	5.86	0.00	141
1620	5.0 C.Y.	49,390	8.18	10.47	2.22	5.34	0.00	6.42	0.00	155
1625	5.5 C.Y.	52,086	8.63	11.03	2.35	5.64	0.00	6.76	0.00	164
1630	6.0 C.Y.	54,644	9.05	11.57	2.46	5.91	0.00	7.09	0.00	174
1635	6.5 C.Y.	57,526	9.52	12.20	2.59	6.22	0.00	7.48	0.00	185
1640	7.0 C.Y.	59,955	9.93	12.71	2.70	6.49	0.00	7.79	0.00	193
1645	7.5 C.Y.	62,341	10.32	13.21	2.80	6.74	0.00	8.09	0.00	201
	ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE									
1655	.75 C.Y.	17,687	2.93	3.75	0.79	1.91	0.00	2.30	0.00	50
1660	1.0 C.Y.	18,043	2.99	3.82	0.81	1.95	0.00	2.34	0.00	55
1665	1.5 C.Y.	25,969	4.30	5.50	1.17	2.81	0.00	3.37	0.00	81
1670	2.0 C.Y.	31,650	5.25	6.71	1.43	3.43	0.00	4.11	0.00	99
1675	2.5 C.Y.	36,460	6.03	7.73	1.64	3.94	0.00	4.74	0.00	115
1680	3.0 C.Y.	39,494	6.55	8.37	1.78	4.28	0.00	5.13	0.00	127
1685	3.5 C.Y.	43,528	7.21	9.22	1.96	4.71	0.00	5.65	0.00	141
1690	4.0 C.Y.	46,778	7.75	9.91	2.11	5.06	0.00	6.07	0.00	150
1695	4.5 C.Y.	47,952	7.94	10.16	2.16	5.19	0.00	6.23	0.00	160
1700	5.0 C.Y.	51,831	8.59	10.99	2.33	5.61	0.00	6.74	0.00	173
1705	5.5 C.Y.	54,898	9.09	11.63	2.48	5.94	0.00	7.13	0.00	185
1710	6.0 C.Y.	57,721	9.56	12.24	2.60	6.24	0.00	7.50	0.00	195
1715	6.5 C.Y.	61,330	10.16	13.00	2.76	6.64	0.00	7.97	0.00	208

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	BUCKETS, CLAMSHELL (CONT'D) **********									
	ESCO - MODEL XDS EXTRA HEAVY DUTY & SQ. NOSE (CONT'D)									
1720	7.0 C.Y.	63,623	10.54	13.49	2.87	6.89	0.00	8.27	0.00	218
1725	7.5 C.Y.	66,654	11.04	14.13	3.00	7.21	0.00	8.66	0.00	229
	BUCKETS, CONCRETE **********									
	LOWBOY -AIR OPER GATE CAMLEVER									
1740	LB-375 3/8 C.Y.	3,235	0.53		0.15	0.34	0.00			2
1745	LB-050 1/2 C.Y.	3,413	0.55		0.15	0.35	0.00			2
1750	LB-075 3/4 C.Y.	3,517	0.57		0.16	0.37	0.00			3
1755	LB-100 1.0 C.Y.	3,683	0.59		0.16	0.38	0.00			5
1760	LB-150 1.5 C.Y.	4,196	0.67		0.18	0.43	0.00			6
1765	LB-200 2.0 C.Y.	5,339	0.86		0.24	0.55	0.00			8
1770	LB-300 3.0 C.Y.	6,278	1.02		0.29	0.66	0.00			12
1775	LB-400 4.0 C.Y.	7,274	1.17		0.32	0.75	0.00			15
	GENERAL PURPOSE & MANUAL GAR-BRO									
1785	433-G 1.0 C.Y.	1,632	0.26		0.07	0.17	0.00			6
1790	442-G 1.5 C.Y.	2,042	0.33		0.09	0.21	0.00			8
1795	462-G 2.0 C.Y.	2,644	0.43		0.12	0.28	0.00			11
1800	493-G 3.0 C.Y.	3,740	0.60		0.17	0.39	0.00			19
1805	4123-G 4.0 C.Y.	4,688	0.76		0.21	0.49	0.00			23
	LOW SLUMP - AIR OPERATED GATE GAR-BRO									
1815	440-A 1.0 C.Y.	6,754	1.09		0.30	0.70	0.00			19
1820	450-A 1.5 C.Y.	7,024	1.12		0.31	0.72	0.00			21
1825	460-A 2.0 C.Y.	7,299	1.18		0.33	0.76	0.00			23
1830	493-A 3.0 C.Y.	9,616	1.55		0.43	1.00	0.00			42

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	BUCKETS, CONCRETE (CONT'D) **********									
	LOW SLUMP - AIR OPER GATE (CONT'D) GAR-BRO (CONT'D)									
1835	4139-A 4.0 C.Y.	10,028	1.62		0.45	1.04	0.00			52
1840	4200-A 6.0 C.Y. DBL. COMPT.	14,476	2.33		0.65	1.50	0.00			72
1845	4250-A 8.0 C.Y. DBL. COMPT.	17,303	2.79		0.77	1.80	0.00			80
	LAYDOWN - HEAVY DUTY - AIR GATE GAR-BRO									
1855	425-A 1.0 C.Y.	7,649	1.23		0.34	0.79	0.00			26
1860	465-A 2.0 C.Y.	8,547	1.37		0.38	0.88	0.00			31
1865	495-A 3.0 C.Y.	9,919	1.60		0.45	1.03	0.00			40
1870	4125-A 4.0 C.Y.	11,053	1.77		0.49	1.14	0.00			49
1875	4155-A 5.0 C.Y.	12,952	2.08		0.58	1.34	0.00			60
	BUCKETS, DRAGLINE **********									
	HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED									
1890	.75 C.Y.	3,634	0.61	0.77	0.17	0.40	0.00	0.47	0.00	15
1895	1.0 C.Y.	4,313	0.71	0.91	0.19	0.46	0.00	0.56	0.00	18
1900	1.5 C.Y.	5,280	0.87	1.12	0.24	0.57	0.00	0.69	0.00	26
1905	2.0 C.Y.	6,240	1.04	1.32	0.28	0.68	0.00	0.81	0.00	32
1910	2.5 C.Y.	7,328	1.22	1.55	0.34	0.80	0.00	0.95	0.00	37
1915	3.0 C.Y.	9,038	1.50	1.91	0.41	0.98	0.00	1.17	0.00	46
1920	3.5 C.Y.	9,991	1.65	2.12	0.45	1.08	0.00	1.30	0.00	50
1925	4.0 C.Y.	12,186	2.02	2.58	0.55	1.32	0.00	1.58	0.00	65
1930	4.5 C.Y.	12,939	2.14	2.74	0.58	1.40	0.00	1.68	0.00	69
1935	5.0 C.Y.	15,626	2.59	3.31	0.70	1.69	0.00	2.03	0.00	85
1940	6.0 C.Y.	16,930	2.81	3.59	0.77	1.84	0.00	2.20	0.00	90
1945	7.0 C.Y.	18,518	3.06	3.93	0.83	2.00	0.00	2.41	0.00	101
1950	8.0 C.Y.	20,530	3.40	4.35	0.92	2.22	0.00	2.67	0.00	112

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	BUCKETS, DRAGLINE (CONT'D) **********									
	HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED (CONT'D)									
1955	9.0 C.Y.	23,707	3.93	5.03	1.07	2.57	0.00	3.08	0.00	128
1960	10.0 C.Y.	25,764	4.27	5.45	1.16	2.79	0.00	3.34	0.00	139
1965	12.0 C.Y.	31,654	5.25	6.71	1.43	3.43	0.00	4.11	0.00	166
1970	14.0 C.Y.	36,397	6.03	7.72	1.64	3.94	0.00	4.73	0.00	191
	HENDRIX - MODEL TS, MEDIUM WEIGHT									
1980	.75 C.Y.	4,234	0.70	0.90	0.19	0.46	0.00	0.55	0.00	17
1985	1.0 C.Y.	5,201	0.86	1.11	0.23	0.56	0.00	0.68	0.00	19
1990	1.5 C.Y.	6,427	1.06	1.37	0.29	0.69	0.00	0.84	0.00	28
1995	2.0 C.Y.	7,672	1.27	1.63	0.34	0.83	0.00	1.00	0.00	36
2000	2.5 C.Y.	8,843	1.46	1.88	0.40	0.95	0.00	1.15	0.00	41
2005	3.0 C.Y.	10,573	1.75	2.24	0.47	1.14	0.00	1.37	0.00	49
2010	3.5 C.Y.	11,676	1.93	2.48	0.53	1.26	0.00	1.52	0.00	54
2015	4.0 C.Y.	14,033	2.33	2.98	0.64	1.52	0.00	1.83	0.00	70
2020	4.5 C.Y.	14,999	2.48	3.18	0.68	1.62	0.00	1.95	0.00	72
2025	5.0 C.Y.	19,228	3.18	4.07	0.87	2.08	0.00	2.49	0.00	93
2030	6.0 C.Y.	19,870	3.29	4.21	0.90	2.15	0.00	2.58	0.00	96
2035	7.0 C.Y.	22,684	3.75	4.81	1.02	2.45	0.00	2.95	0.00	111
2040	8.0 C.Y.	24,975	4.13	5.29	1.13	2.70	0.00	3.24	0.00	122
2045	9.0 C.Y.	29,904	4.96	6.34	1.35	3.24	0.00	3.89	0.00	149
2050	10.0 C.Y.	31,848	5.27	6.74	1.43	3.44	0.00	4.13	0.00	159
2055	12.0 C.Y.	40,590	6.72	8.60	1.83	4.39	0.00	5.27	0.00	202
2060	14.0 C.Y.	45,196	7.49	9.58	2.03	4.89	0.00	5.87	0.00	225
	HENDRIX - MODEL MH-S, HEAVY WEIGHT									
2070	2.75 C.Y.	16,929	2.81	3.59	0.77	1.84	0.00	2.20	0.00	69
2075	3.0 C.Y.	17,608	2.91	3.72	0.79	1.90	0.00	2.28	0.00	72

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	BUCKETS, DRAGLINE (CONT'D) **********									
	HENDRIX - MOD MH-S, HEAVY WT (CONT'D)									
2080	3.5 C.Y.	19,715	3.26	4.19	0.89	2.13	0.00	2.57	0.00	81
2085	4.0 C.Y.	26,375	4.36	5.59	1.19	2.85	0.00	3.43	0.00	110
2090	4.5 C.Y.	29,487	4.88	6.25	1.33	3.19	0.00	3.83	0.00	123
2095	5.0 C.Y.	30,450	5.04	6.46	1.37	3.29	0.00	3.96	0.00	127
2100	6.0 C.Y.	32,609	5.40	6.91	1.47	3.53	0.00	4.23	0.00	136
2105	7.0 C.Y.	41,465	6.86	8.79	1.86	4.48	0.00	5.39	0.00	175
2110	8.0 C.Y.	42,645	7.06	9.04	1.92	4.61	0.00	5.54	0.00	180
2115	9.0 C.Y.	54,250	8.99	11.50	2.44	5.87	0.00	7.05	0.00	234
2120	10.0 C.Y.	56,181	9.31	11.90	2.53	6.08	0.00	7.29	0.00	243
2125	12.0 C.Y.	66,819	11.07	14.15	3.01	7.23	0.00	8.67	0.00	289
2130	14.0 C.Y.	71,150	11.79	15.08	3.21	7.70	0.00	9.24	0.00	309
	SAUERMAN - CRESCENT SCRAPER									
	WITH DRAGLINE CONVERSION KIT									
2145	SC-1050-K 1.0 C.Y.	10,180	1.68	2.16	0.46	1.10	0.00	1.32	0.00	15
2150	SC-1060-K 1.5 C.Y.	13,040	2.16	2.76	0.59	1.41	0.00	1.69	0.00	20
2155	SC-1070-K 2.0 C.Y.	17,867	2.96	3.79	0.81	1.93	0.00	2.32	0.00	25
2160	SC-1090-K 3.0 C.Y.	23,641	3.92	5.01	1.07	2.56	0.00	3.07	0.00	36
2165	SC-1100-K 4.0 C.Y.	35,326	5.86	7.49	1.60	3.83	0.00	4.59	0.00	49
2170	SC-1110-K 5.0 C.Y.	40,285	6.67	8.54	1.82	4.36	0.00	5.23	0.00	58
2175	SC-1120-K 6.0 C.Y.	48,821	8.08	10.35	2.20	5.28	0.00	6.34	0.00	68
2180	SC-1130-K 8.0 C.Y.	59,328	9.83	12.58	2.67	6.42	0.00	7.71	0.00	88
2185	SC-1140-K 10.0 C.Y.	71,982	11.92	15.26	3.25	7.79	0.00	9.35	0.00	106
2190	SC-1150-K 12.0 C.Y.	83,533	13.84	17.70	3.76	9.04	0.00	10.85	0.00	132

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	COMPACTORS, MANUALLY OPERATED **********									
2200	UR-12 INGERSOLL-RAND RAMMER 3 HP G	1,758	0.87		0.11	0.28	0.25			1
2205	BS45Y WACKER RAMMER 3 HP G	1,743	0.87		0.11	0.28	0.25			1
2210	BS65Y WACKER RAMMER 4 HP G	3,165	1.42		0.19	0.50	0.33			2
2215	GVR151Y WACKER RAMMER 5 HP G	2,470	1.31		0.15	0.40	0.41			2
2220	GVR220Y WACKER RAMMER 6 HP G	3,165	1.62		0.19	0.50	0.49			2
2225	VPG160B WACKER VIBRO PLATE 4 HP G	1,368	0.85		0.09	0.22	0.33			2
2230	VPG260K WACKER VIBRO PLATE 7 HP G	1,948	1.33		0.12	0.31	0.57			3
2235	BT-50 BOMAG TAMPING 5 HP G	1,940	1.13		0.12	0.31	0.41			1
2240	BT-58 BOMAG TAMPING 3 HP G	1,981	0.94		0.12	0.31	0.25			1
2245	BT-68 BOMAG TAMPING 3 HP G	2,337	1.06		0.14	0.37	0.25			1
2250	BT-71 BOMAG TAMPING 4 HP G	2,419	1.18		0.14	0.38	0.33			2
2255	BP10/36W BOMAG VIBRO PL W/SPRNKLR 4 HP G	1,211	0.80		0.07	0.19	0.33			2
2260	BP-11K BOMAG VIBRO PLATE 4 HP G	1,740	0.97		0.11	0.28	0.33			3
2265	BP-19/75 BOMAG VIBRO PLATE 5 HP D	3,312	1.32		0.20	0.53	0.21			4
2270	BP-30R BOMAG VIBRO PLATE 5 HP G	4,600	1.98		0.27	0.73	0.41			5
2275	BP-30 BOMAG VIBRO PLATE 5 HP D	5,798	2.11		0.34	0.92	0.21			5
2280	BP-50 BOMAG VIBRO PLATE 7 HP D	8,605	3.13		0.52	1.37	0.30			9
2285	BW-75E BOMAG WALK BEHIND S/D 5 HP D	8,639	3.02		0.52	1.37	0.21			12
2290	BW-35 BOMAG WALK BEHIND D/D 4 HP D	9,975	3.40		0.59	1.58	0.17			11
2295	BW-60SE BOMAG D/D ROLLER 8 HP D	13,699	4.80		0.81	2.17	0.34			20
2300	BW-90SE BOMAG D/D ROLLER 13 HP D	17,196	6.18		1.02	2.72	0.56			28
2305	VPG600 WACKER VIBRO PLATE 9 HP G	3,592	2.07		0.21	0.57	0.74			7
2310	DPS2350 WACKER VIBRO PLATE 7 HP D	3,789	1.58		0.23	0.60	0.30			4
2315	DPU5050 WACKER VIBRO PLATE 11 HP D	12,733	4.65		0.76	2.02	0.47			10
2320	W 55 T WACKER D/D ROLLER 8 HP D	11,655	4.15		0.70	1.85	0.34			17
2325	W 74 T WACKER D/D ROLLER 8 HP D	13,109	4.61		0.78	2.08	0.34			19

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	CONCRETE BLASTERS **********									
	BLASTRAC									
2340	DSC-15 SURFACE PREP/CLEANING MACH 41 HP D	59,122	17.51		3.51	9.36	1.36			40
	CONCRETE BUGGIES **********									
	AEROIL									
2355	5 CF WALK-BEHIND 5 HP G	1,840	0.91		0.11	0.29	0.32			3
	WHITEMAN									
2365	MODWBS11 WALK & RIDE 8 HP G	4,662	1.92		0.28	0.74	0.51			7
	CONCRETE FINISHERS **********									
	BOMAG									
2380	MOD F46B4 GYRO TROWEL 7 HP G	1,514	0.99		0.09	0.24	0.45			2
2385	MOD RF2B4 DOUBLTROWEL 16 HP G	5,972	2.95		0.36	0.95	1.02			7
2390	MOD RF3B3 TRIPLTROWEL 16 HP G	7,700	3.40		0.46	1.22	1.02			9
	CONCRETE MIXERS **********									
2400	PORTABLE CONCRETE MIXER 2.5 CF 1 HP E	704	0.33		0.04	0.10	0.09			2
2405	PORTABLE CONCRETE MIXER 4.0 CF 4 HP E	1,202	0.85		0.07	0.17	0.36			3
2410	PORTABLE CONCRETE MIXER 3.5 CF 1 HP E	726	0.33		0.04	0.10	0.09			3
2415	PORTABLE CONCRETE MIXER 6.0 CF 6 HP E	2,279	1.42		0.13	0.34	0.55			7
2420	PORTABLE CONCRETE MIXER 6.0 CF 7 HP G	2,352	1.20		0.13	0.35	0.45			7
2425	PORTABLE MORTAR MIXER 6.0 CF 7 HP G	1,740	1.05		0.10	0.26	0.45			6

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT			VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CONCRETE PAVERS **********											
	CATERPILLAR											
2440	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANS, AND SIDEWALKS	142 HP	D	140,570	30.39		6.26	14.63	4.37			263
2445	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP	D	267,003	55.30		11.90	27.80	6.40			540
2450	MOD SF - 450 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP	D	475,029	93.65		21.17	49.46	7.69			960
2455	MOD SF - 500 24' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	400 HP	D	547,240	112.30		24.38	56.97	12.31			1150
	GOMACO											
2465	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP	G	28,441	10.13		1.26	2.94	3.86			91
2470	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP	D	130,431	26.95		5.81	13.58	3.08			255
	CONCRETE PLACERS, SHOTCRETE **********											
	ALLENTOWN											
2485	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP	D	25,790	6.39		1.30	3.30	0.54			45
2490	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP	D	29,502	7.69		1.50	3.79	0.91			60
2495	GR600 ROTARY GUN 1-6 CY/HR INCL. HOSE,REQ. 550 CFM COMP.	550CFM	A	8,487	2.08		0.43	1.08	0.00			9
2500	GR1200 ROTARY GUN 4-12 CY/HR INCL. HOSE,REQ. 770 CFM COMP.	770CFM	A	16,566	3.99		0.84	2.13	0.00			18
	CHALLENGE SQUEEZ-CRETE											
2510	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP	D	46,133	13.81		2.34	5.98	2.81			70

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CONCRETE PUMPS **********									
	MORGEN									
2525	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	56,700	18.93		2.88	7.35	4.99			70
2530	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	149,924	45.93		7.61	19.36	9.88			255
	SCHWING									
2540	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	46,803	14.25		2.38	6.07	3.04			66
2545	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	73,196	25.03		3.71	9.42	6.89			98
2550	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	75,199	25.48		3.81	9.68	6.89			98
2555	MOD BP 3000 TRAILER MTD 127 CY/HR 177 HP D	99,591	32.34		5.07	12.91	8.03			130
2560	MOD BP 5000 TRAILER MTD 151 CY/HR 300 HP D	127,851	45.74		6.50	16.58	13.61			150
2565	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	154,593	44.96		7.80	19.78	8.23			302
2570	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	222,065	59.90		11.23	28.54	8.23			321
2575	MOD BPL1200 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	272,426	75.00		13.77	34.97	11.24			408
	CONRETE SAWS ********** (SAWBLADE WEAR NOT INCLUDED)									
	FELKER									
2590	MOD 8BCC 5" DEPTH OF CUT 8 HP G	1,703	1.24		0.08	0.21	0.66			3
2595	MOD 12WCC 5" DEPTH OF CUT 12 HP G	2,127	1.74		0.10	0.26	0.98			3
2600	MOD 14TCC 5" DEPTH OF CUT 14 HP G	2,107	1.97		0.10	0.26	1.15			3
2605	MOD 140MR 8" DEPTH OF CUT 14 HP G	4,720	2.54		0.24	0.59	1.15			6
2610	MOD 185MR 8" DEPTH OF CUT 18 HP G	5,988	3.23		0.30	0.74	1.47			7
2615	MOD 300MR 8" DEPTH OF CUT 30 HP G	6,771	4.71		0.34	0.84	2.46			7
2620	MOD 350MCA 10" DEPTH OF CUT 35 HP G	9,919	5.93		0.50	1.23	2.87			12
2625	MOD 665MCA 15" DEPTH OF CUT 65 HP G	13,317	9.90		0.67	1.66	5.32			14

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CONCRETE SAWS (CONT'D) ********** (SAWBLADE WEAR NOT INCLUDED)									
	LONGYEAR									
2635	MOD 360-10HM WALL SAW 1700 PSI 10 HP G	10,883	3.44		0.55	1.36	0.82			2
2640	MOD 360-35HM WALL SAW 2500 PSI 35 HP G	12,074	6.39		0.61	1.50	2.87			2
2645	MOD 800WR 5" DEPTH OF CUT 8 HP G	1,277	1.15		0.06	0.16	0.66			2
2650	MOD 815WR 7" DEPTH OF CUT 11 HP G	1,907	1.60		0.10	0.24	0.90			2
2655	MOD 815EB 5" DEPTH OF CUT 5 HP G	2,048	0.98		0.10	0.25	0.41			2
2660	MOD 1800W 5" DEPTH OF CUT 18 HP G	5,987	3.23		0.30	0.74	1.47			5
2665	MOD 3535W 5" DEPTH OF CUT 35 HP G	7,906	5.49		0.40	0.98	2.87			9
2670	MOD 6530-48 21" DEPTH OF CUT 65 HP G	13,272	9.88		0.67	1.65	5.32			13
	CRANES, SHOVEL,BACKHOE,DRAGLINE **********									
	AMERICAN - CRAWLER TYPE									
	MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES									
2690	DRAGLINE OR CLAMSHELL (LESS BUCKET)	290,450	39.24	46.55	10.80	22.99	2.77	25.56	3.51	814
2695	CRANE 35-T W/65' BOOM	292,204	36.35	42.27	10.86	23.12	2.22	25.71	2.86	803
	MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES									
2705	CRANE 50-T W/75' BOOM	318,824	39.41	45.82	11.84	25.22	2.22	28.06	2.86	962
	MOD 5299-A LIFTING CRANE T/C 125 HP D 17'-6" CRAWLERS W/36" SHOES									
2715	CRANE 60-T W/80' BOOM	333,004	41.31	48.04	12.37	26.35	2.43	29.31	3.14	1088
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2725	DRAGLINE OR CLAMSHELL (LESS BUCKET)	397,847	54.09	64.19	14.78	31.48	4.08	35.01	5.17	1278
2730	CRANE 40-T W/75' BOOM	389,455	48.82	56.83	14.47	30.82	3.27	34.27	4.22	1262

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) **********									
	AMERICAN - CRAWLER TYPE (CONT'D)									
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2740	CRANE 60-T W/80' BOOM	413,006	46.21	52.56	14.33	27.86	3.27	30.18	4.22	1421
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES									
2750	CRANE 100T W/200' BOOM	506,381	55.75	63.28	17.57	34.15	3.27	37.00	4.22	1886
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2760	CRANE 110-T W/200' BOOM	691,506	77.49	88.17	23.99	46.64	5.58	50.52	7.21	2792
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2770	CRANE 125T W/270' BOOM	723,177	80.72	91.81	25.09	48.77	5.58	52.84	7.21	3150
2775	DRAGLINE OR CLAMSHELL (LESS BUCKET)	696,127	85.93	99.66	24.04	48.39	6.97	52.58	8.83	2950
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES									
2785	CRANE 150T W/280' BOOM	782,963	86.83	98.67	27.16	52.80	5.58	57.20	7.21	3400
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES									
2795	CRANE 165T W/290' BOOM	822,912	87.89	98.77	27.54	51.79	5.58	55.50	7.21	3580
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES									
2805	CRANE 225T W/280' BOOM	865,194	92.05	103.39	28.95	54.45	5.58	58.35	7.21	3990
	LINK BELT - CRAWLER TYPE									
	MOD LS-78 LIFTING CRANE T/C 84 HP D 13'-7" CRAWLERS W/24" SHOES									
2825	CRANE 17.5-T W/40' BOOM	182,430	24.64	29.34	7.22	16.05	1.63	18.26	2.11	506

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) **********									
	LINK BELT - CRAWLER TYPE (CONT'D)									
	MOD LS-98 LIFTING CRANE T/C 110 HP D 15'-0" CRAWLERS W/24" SHOES									
2835	CRANE 25-T W/50' BOOM	207,170	28.36	33.81	8.20	18.23	2.14	20.74	2.76	625
	MOD LS-98 PIPELINER CRANE T/C 112 HP D 15'-7" CRAWLERS W/30" SHOES									
2845	CRANE 30-T W/40' BOOM	233,634	29.56	34.43	8.68	18.49	2.18	20.56	2.81	727
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/30" SHOES									
2860	CRANE 40-T W/50' BOOM	220,241	27.96	32.59	8.18	17.43	2.14	19.38	2.76	772
	MOD LS-108B LIFTING CRANE T/C 110 HP D 15'-0" CRAWLERS W/30" SHOES									
2870	CRANE 45-T W/50' BOOM	273,919	34.14	39.73	10.17	21.67	2.14	24.11	2.76	833
	MOD LS-118 LIFTING CRANE T/C 178 HP D 17'-0" CRAWLERS W/30" SHOES									
2880	CRANE 60-T W/80' BOOM	348,446	39.84	45.45	12.09	23.50	3.46	25.46	4.47	1232
	MOD LS-318 LIFTING CRANE T/C 208 HP D 17'-0" CRAWLERS W/32" SHOES									
2890	CRANE 80-T W/150' BOOM	413,097	47.15	53.79	14.33	27.86	4.04	30.18	5.22	1445
	MOD LS-338 LIFTING CRANE T/C 208 HP D 20'-0" CRAWLERS W/38" SHOES									
2900	CRANE 100-T W/200' BOOM	513,188	57.38	65.27	17.80	34.61	4.04	37.49	5.22	1865
	MOD LS-418A LIFTING CRANE T/C 245 HP D 22'-4" CRAWLERS W/38" SHOES									
2910	CRANE 117-T W/230' BOOM	599,191	67.05	76.28	20.78	40.41	4.76	43.78	6.15	2235
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W-44" SHOES									
2920	CRANE 150-T W/250' BOOM	733,237	80.75	91.66	25.44	49.45	4.76	53.57	6.15	2826

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) **********									
	LINK BELT - CRAWLER TYPE (CONT'D)									
	MOD LS-718 LIFTING CRANE T/C 450 HP D 30'-0" CRAWLERS W/50" SHOES									
2930	CRANE 250-T W/290' BOOM	1,004,411	109.69	123.66	33.61	63.22	8.75	67.74	11.30	4388
	MOD LS-818 LIFTING CRANE T/C 450 HP D 31'-5" CRAWLERS W/50" SHOES									
2940	CRANE 300-T W/310' BOOM	1,268,688	135.69	152.50	42.46	79.85	8.75	85.56	11.30	5069
	MOD LS-918 LIFTING CRANE T/C 600 HP D 34'-10" CRAWLERS W/60" SHOES									
2950	CRANE 400-T W/340' BOOM	2,080,221	219.16	245.77	69.61	130.93	11.66	140.29	15.07	6783
	MOD LS-1018 LIFTING CRANE T/C 600 HP D 38'-8" CRAWLERS W/60" SHOES									
2960	CRANE 500-T W/340' BOOM	2,489,765	259.46	290.49	83.31	156.70	11.66	167.92	15.07	8021
	MANITOWOC - CRAWLER TYPE									
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES									
2975	DRAGLINE OR CLAMSHELL (LESS BUCKET)	497,893	63.88	74.34	17.20	34.61	6.97	37.60	8.83	2306
2980	CRANE 100T W/210' BOOM	546,872	62.70	71.58	18.97	36.88	5.58	39.96	7.21	2354
	MOD 3900W VICON SER2 T/C 300 HP D 24'-0" CRAWLERS W/48" SHOES									
2990	CRANE 140T W/250' BOOM	646,220	73.16	83.37	22.42	43.58	5.83	47.22	7.53	2815
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
3000	DRAGLINE OR CLAMSHELL (LESS BUCKET)	837,513	103.83	120.45	28.93	58.22	8.75	63.25	11.08	3788
3005	CRANE 200T W/260' BOOM	899,114	97.16	109.35	30.09	56.59	7.00	60.63	9.04	3929
	MOD 4600 VICON SERIES 3 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
3015	CRANE 240T W/260' BOOM	1,326,857	147.10	166.17	44.41	83.52	13.32	89.48	17.20	5200

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) **********									
	MANITOWOC - CRAWLER TYPE (CONT'D)									
	MOD 4600 VICON SERIES 3 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
3020	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,312,956	158.06	181.64	43.94	82.64	16.65	88.55	21.08	5100
	NORTHWEST - CRAWLER TYPE									
	MOD 50-D/5030 1.0 CY 190 HP D 15'-4" CRAWLERS W/30" SHOES									
3035	DRAGLINE OR CLAMSHELL (LESS BUCKET)	256,509	42.59	52.53	10.54	24.00	4.62	27.69	5.85	930
3040	CRANE 30-T W/40' BOOM	234,075	31.41	36.84	8.70	18.52	3.69	20.60	4.77	869
	MOD 50-D/5035 1.25 CY 190 HP D 15'-4" CRAWLERS W/30" SHOES									
3050	DRAGLINE OR CLAMSHELL (LESS BUCKET)	267,939	38.66	46.08	9.95	21.20	4.62	23.58	5.85	932
3055	CRANE 35-T W/50' BOOM	244,365	32.61	38.20	9.08	19.34	3.69	21.50	4.77	872
	MOD 50-D/5050 2.0 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES									
3065	DRAGLINE OR CLAMSHELL (LESS BUCKET)	309,672	45.22	53.94	11.50	24.50	5.78	27.25	7.33	957
3070	CRANE 50-T W/60' BOOM	308,146	41.09	48.15	11.45	24.39	4.63	27.12	5.98	952
	MOD 70-D/7060 2.5 CY T/C 238 HP D 19'-0" CRAWLERS W/33" SHOES									
3080	DRAGLINE OR CLAMSHELL (LESS BUCKET)	385,102	54.55	64.94	14.31	30.47	5.78	33.89	7.33	1425
3085	CRANE 60-T W/50' BOOM	378,162	44.30	50.70	13.12	25.50	4.63	27.63	5.98	1403
	MOD 70-D/7080 3.5 CY T/C 238 HP D 19'-0" CRAWLERS W/33" SHOES									
3095	DRAGLINE OR CLAMSHELL (LESS BUCKET)	422,818	54.08	62.93	14.60	29.39	5.78	31.94	7.33	1497
3100	CRANE 80-T W/160' BOOM	437,230	50.33	57.48	15.16	29.48	4.63	31.95	5.98	1524
	MOD 80-D 3.0 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
3110	SHOVEL	489,990	85.61	105.76	20.13	45.84	7.46	52.91	9.80	1510

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) **********									
	NORTHWEST - CRAWLER TYPE (CONT'D)									
	MOD 80-D 3.0 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
3115	DRAGLINE OR CLAMSHELL (LESS BUCKET)	421,984	59.84	71.23	15.68	33.39	6.39	37.13	8.10	1274
3120	CRANE 40-T W/50' BOOM	415,098	53.98	63.10	15.42	32.84	5.11	36.53	6.60	1267
	MOD 9570-WT 4.0 CY T/C 304 HP D 19'-0" CRAWLERS W/38" SHOES									
3130	DRAGLINE OR CLAMSHELL (LESS BUCKET)	465,117	60.76	70.80	16.06	32.33	7.39	35.12	9.36	1580
3135	CRANE 60-T W/50' BOOM	458,236	54.04	61.91	15.89	30.90	5.91	33.48	7.63	1565
	MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES									
3145	SHOVEL	779,764	134.12	165.52	32.03	72.94	10.15	84.18	13.34	2571
3150	DRAGLINE OR CLAMSHELL (LESS BUCKET)	670,032	85.15	98.99	23.14	46.58	8.70	50.61	11.02	2365
3155	CRANE 97.5-T W/170' BOOM	698,007	79.83	91.09	24.21	47.07	6.96	51.00	8.99	2464
	MOD 190-D WT SERIES 3 T/C 456 HP D 21'-1" CRAWLERS W/54" SHOES									
3165	DRAGLINE 6.5 CY (LESS BUCKET)	723,293	89.45	103.07	24.21	45.53	11.08	48.78	14.04	2740
3170	CRANE 100-T W/170' BOOM	757,037	88.19	100.87	26.27	51.06	8.86	55.31	11.45	2872
	MOD 1200-C T/C 525 HP D 21'-10" CRAWLERS W/48" SHOES									
3180	CRANE 150-T W/240' BOOM	635,392	77.40	89.02	22.04	42.85	10.21	46.43	13.18	2822
	P & H - CRAWLER TYPE									
	MOD 320H .75 CY T/C 93 HP D 13'-7" CRAWLERS W/30" SHOES									
3195	DRAGLINE OR CLAMSHELL (LESS BUCKET)	136,012	22.33	27.55	5.59	12.73	2.26	14.69	2.86	580
3200	CRANE 25-T W/50' BOOM	138,324	19.44	23.24	5.47	12.17	1.81	13.85	2.34	610

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) **********									
	P & H - CRAWLER TYPE (CONT'D)									
	MOD C-65 2.00 CY T/C 130 HP D 18'-2" CRAWLERS W/30" SHOES									
3215	DRAGLINE OR CLAMSHELL (LESS BUCKET)	305,795	41.59	49.38	11.36	24.19	3.16	26.91	4.00	1171
3220	CRANE 65-T W/180' BOOM	328,568	36.67	41.70	11.40	22.16	2.53	24.01	3.26	1352
	MOD 5100 3 CY T/C 188 HP D 21'-6" CRAWLERS W/36" SHOES									
3235	DRAGLINE OR CLAMSHELL (LESS BUCKET)	474,293	58.34	67.62	16.38	32.97	4.57	35.82	5.79	1485
3240	CRANE 100-T W/210' BOOM	527,878	58.40	66.35	18.31	35.60	3.65	38.57	4.72	1880
	MOD C-120 4 CY T/C 260 HP D 24'-0" CRAWLERS W/36" SHOES									
3250	DRAGLINE OR CLAMSHELL (LESS BUCKET)	512,095	64.67	75.14	17.68	35.59	6.32	38.67	8.00	2203
3255	CRANE 120-T W/230' BOOM	540,666	61.42	70.03	18.75	36.46	5.05	39.50	6.53	2340
	MOD C-165 5 CY T/C 260 HP D 26'-3" CRAWLERS W/42" SHOES									
3265	DRAGLINE OR CLAMSHELL (LESS BUCKET)	664,585	81.64	94.61	22.95	46.20	6.32	50.19	8.00	2510
3270	CRANE 165-T W/270' BOOM	731,137	78.21	87.91	24.47	46.02	5.05	49.31	6.53	3333
	MOD DELTA 5250 LIFTING CRANE T/C 328 HP D 30'-5" CRAWLERS W/48" SHOES									
3280	CRANE 250-T W/290' BOOM	1,044,609	110.71	124.25	34.96	65.75	6.38	70.45	8.24	4373
	CRANES, HYDRAULIC SELF-PROPELLED **********									
	BRODERSON									
3295	MOD IC-80-18 8.5 TON 64 HP D	52,920	8.63		1.90	3.94	1.97			150
3300	MOD RTR-80-3B 9 TON 97 HP D	67,853	11.68		2.43	5.05	2.99			180

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, HYD SELF-PROPELLED (CONT'D) **********									
	GROVE									
3310	MOD RT58A 14 TON 130 HP D	117,597	19.07		4.19	8.64	4.00			420
3315	MOD RT515 15 TON 115 HP D	124,874	19.29		4.46	9.19	3.54			425
3320	MOD RT518 18 TON 115 HP D	141,119	21.30		5.02	10.33	3.54			452
3325	MOD RT520 20 TON 115 HP D	149,237	22.22		5.32	10.95	3.54			469
3330	MOD RT522 22 TON 115 HP D	154,457	22.83		5.50	11.33	3.54			498
3335	MOD RT625 25 TON 156 HP D	205,615	29.92		7.34	15.12	4.80			560
3340	MOD RT630 30 TON 156 HP D	213,471	31.53		7.60	15.64	4.80			580
3345	MOD RT635 35 TON 160 HP D	220,268	32.45		7.85	16.15	4.92			600
3350	MOD RT745 45 TON 198 HP D	285,992	41.96		10.17	20.89	6.09			785
3355	MOD RT760 60 TON 198 HP D	341,040	48.74		12.10	24.82	6.09			855
3360	MOD RT865 65 TON 208 HP D	419,969	58.19		14.94	30.71	6.40			1100
3365	MOD RT990 90 TON 280 HP D	548,365	76.80		19.47	39.94	8.62			1360
3370	MOD RT1650 165 TON 512 HP D	1,022,470	142.75		36.30	74.49	15.76			2400
	LORAIN									
3380	MOD LRT150 15 TON 114 HP D	121,511	18.82		4.34	8.95	3.51			438
3385	MOD LRT180 18 TON 121 HP D	138,407	20.99		4.95	10.22	3.72			450
3390	MOD LRT200 20 TON 121 HP D	144,779	21.75		5.18	10.69	3.72			470
3395	MOD LRT230 23 TON 121 HP D	150,992	22.66		5.38	11.09	3.72			490
3400	MOD LRT250 25 TON 121 HP D	160,781	23.75		5.74	11.83	3.72			510
3405	MOD LRT275 27.5 TON 121 HP D	165,742	24.31		5.92	12.20	3.72			520
3410	MOD LRT330 33 TON 180 HP D	200,392	30.92		7.14	14.68	5.54			570
	P & H									
3420	MOD OMEGA 115 15 TON 128 HP D	141,357	21.66		5.05	10.43	3.94			437
3425	MOD OMEGA 118 18 TON 128 HP D	142,798	21.81		5.10	10.53	3.94			439
3430	MOD OMEGA 120 20 TON 128 HP D	151,464	22.78		5.42	11.19	3.94			440
3435	MOD OMEGA 122 22 TON 128 HP D	152,186	22.87		5.45	11.25	3.94			438

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, HYD SELF-PROPELLED (CONT'D) **********									
	P & H (CONT'D)									
3440	MOD OMEGA 25 25 TON 155 HP D	188,580	28.23		6.75	13.93	4.77			540
3445	MOD OMEGA 30 30 TON 155 HP D	194,088	28.84		6.94	14.34	4.77			550
3450	MOD OMEGA 35 35 TON 155 HP D	200,604	29.57		7.17	14.83	4.77			560
3455	MOD OMEGA 40 40 TON 202 HP D	271,136	40.46		9.63	19.77	6.22			760
3460	MOD OMEGA 45 45 TON 202 HP D	280,508	41.75		9.95	20.40	6.22			770
3465	MOD OMEGA 50 50 TON 202 HP D	290,810	42.89		10.32	21.17	6.22			780
3470	MOD OMEGA 65 65 TON 235 HP D	372,509	53.95		13.23	27.13	7.23			980
	PETTIBONE									
3480	MOD 16 MK P SERIES 8 TON 118 HP D	103,528	16.65		3.72	7.70	3.63			286
3485	MOD 20 MK P SERIES 10 TON 118 HP D	106,908	17.10		3.83	7.93	3.63			302
3490	MOD 25 MK P SERIES 12.5 TON 118 HP D	111,363	17.60		4.00	8.27	3.63			458
3495	MOD 36 MK P SERIES 18 TON 118 HP D	129,002	19.86		4.60	9.49	3.63			494
3500	MOD 45-SC P SERIES 22.5 TON 176 HP D	141,885	23.64		5.07	10.47	5.42			560
3505	MOD 80-SC P SERIES 40 TON 176 HP D	238,606	35.78		8.45	17.31	5.42			862
3510	MOD 100-SC 50 TON 188 HP D	294,445	42.52		10.48	21.53	5.79			1050
3515	MOD 130-SC P SERIES 65 TON 212 HP D	332,014	48.51		11.76	24.07	6.53			1050
	CRANES, HYDRAULIC TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRIER)									
	GROVE									
3530	TMS250C 35 TON W/110' BOOM 183 HP D	217,038	28.70	33.70	7.45	14.90	5.63	16.18	7.41	514
3535	TMS300B 40 TON W/136' BOOM 205 HP D	264,885	34.51	40.43	9.08	18.12	6.31	19.68	8.30	725
3540	TMS475 50 TON W/140' BOOM 213 HP D	306,616	38.89	45.42	10.51	21.01	6.56	22.82	8.63	776
3545	TMS760 60 TON W/150' BOOM 251 HP D	361,657	45.76	53.42	12.41	24.82	7.73	26.96	10.17	881
3550	TMS875 75 TON W/146' BOOM 278 HP D	406,586	50.46	58.54	13.39	25.83	8.56	27.73	11.26	1032
3555	TM890 90 TON W/146' BOOM 188/268 HP D/D	466,716	54.25	62.05	15.40	29.75	7.14	31.94	9.19	1209
3560	TM1300 130 TON W/172' BOOM 196/335 HP D/D	737,941	79.46	89.60	23.55	44.14	7.72	46.96	9.91	1719

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CRANES, HYDRAULIC TRUCK MTD (CONT'D) ********** (HP & FUEL LISTED EQUIP/CARRIER)									
	GROVE (CONT'D)									
3565	TM1500 150 TON W/174' BOOM 196/391 HP D/D	871,439	91.97	103.39	27.85	52.25	8.00	55.61	10.24	1960
	LINK BELT (FMC)									
3575	HTC-814 14 TON W/80' BOOM 200 HP D	193,472	29.52	35.45	7.13	15.09	6.16	16.77	8.10	482
3580	HTC-825 25 TON W/80' BOOM 225 HP D	200,330	31.30	37.67	7.39	15.64	6.93	17.38	9.11	499
3585	HTC-830 30 TON W/80' BOOM 225 HP D	208,005	29.47	34.86	7.14	14.28	6.93	15.50	9.11	505
3590	HTC-835 35 TON W/101' BOOM 225 HP D	219,036	30.54	36.08	7.52	15.05	6.93	16.34	9.11	525
3595	HTC-840 40 TON W/110' BOOM 238 HP D	256,976	34.99	41.21	8.81	17.58	7.33	19.08	9.64	650
3600	HTC-1055 55 TON W/120' BOOM 238 HP D	320,809	41.23	48.21	11.01	22.01	7.33	23.90	9.64	662
	P & H									
3610	OMEGA T-250 25 TON W/80' BOOM 210 HP D	193,583	29.95	36.01	7.14	15.10	6.46	16.78	8.50	492
3615	OMEGA T-300 30 TON W/100' BOOM 210 HP D	206,522	28.73	33.94	7.08	14.17	6.46	15.39	8.50	523
3620	OMEGA T-350 35 TON W/110' BOOM 210 HP D	212,243	29.29	34.56	7.28	14.57	6.46	15.82	8.50	525
3625	OMEGA T-400 40 TON W/106' BOOM 225 HP D	275,675	36.49	42.83	9.44	18.84	6.93	20.44	9.11	730
3630	OMEGA T-450 45 TON W/140' BOOM 225 HP D	292,974	38.16	44.73	10.03	20.03	6.93	21.75	9.11	758
3635	OMEGA T-500 50 TON W/140' BOOM 225 HP D	303,384	39.18	45.86	10.40	20.76	6.93	22.53	9.11	760
3640	OMEGA T-650 66 TON W/147' BOOM 335 HP D	359,589	47.86	56.03	11.86	22.91	10.31	24.61	13.57	900
	PETTIBONE									
3650	50TKLSPC 25 TON W/98' BOOM 233 HP D	203,890	31.96	38.48	7.53	15.94	7.17	17.72	9.44	500
3655	80TKLS 40 TON W/144' BOOM 244 HP D	260,760	35.59	41.94	8.93	17.84	7.51	19.37	9.88	740
3660	110 TK P 55 TON W/114' BOOM 238 HP D	282,490	37.48	44.01	9.68	19.35	7.33	21.01	9.64	825
3665	140 TK P 70 TON W/116' BOOM 322 HP D	355,277	47.18	55.18	11.70	22.57	9.91	24.23	13.04	1155

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRIER)									
	AMERICAN									
3680	5470 65 TON W/170' BOOM 115/238 HP D/D	432,631	49.45	56.71	14.82	29.57	4.74	32.10	6.06	1175
3685	5530 75 TON W/170' BOOM 115/238 HP D/D	440,990	48.79	55.42	14.54	28.08	4.74	30.15	6.06	1245
3690	7460 90 TON W/200' BOOM 213/230 HP D/D	542,359	62.07	70.93	17.91	34.64	7.72	37.20	9.98	1503
3695	7530 125 TON W/220' BOOM 213/350 HP D/D	583,310	66.97	76.49	19.24	37.19	8.32	39.93	10.68	1696
3700	8460 165 TON W/240' BOOM 268/350 HP D/D	835,445	90.49	102.22	26.74	50.27	10.01	53.51	12.91	2320
3705	9530 220 TON W/260' BOOM 268/500 HP D/D	1,177,726	124.50	140.01	37.61	70.53	10.77	75.06	13.79	3480
	LINK BELT (FMC)									
3715	HC78B 35 TON W/100' BOOM 84/197 HP D/D	277,450	32.37	37.20	9.51	18.97	3.58	20.60	4.56	773
3720	HC108C 50 TON W/150' BOOM 110/238 HP D/D	369,610	43.12	49.56	12.63	25.18	4.59	27.35	5.85	1197
3725	HC138A 75 TON W/200' BOOM 165/318 HP D/D	452,029	52.29	59.71	14.91	28.80	6.68	30.92	8.55	1304
3730	HC218A 100 TON W/220' BOOM 165/318 HP D/D	529,739	59.70	67.98	17.48	33.78	6.68	36.28	8.55	1688
3735	HC238B 140 TON W/230' BOOM 171/318 HP D/D	651,475	69.77	78.60	20.82	39.09	6.87	41.60	8.80	2220
3740	HC268 225 TON W/310' BOOM 314/440 HP D/D	1,002,999	108.98	123.12	32.06	60.20	11.88	64.07	15.30	2852
	LORAIN									
3750	MC790 90 TON W/220' BOOM 210/270 HP D/D	495,325	58.08	66.57	16.32	31.50	7.82	33.82	10.09	1594
3755	MC1115 115 TON W/230' BOOM 210/301 HP D/D	539,160	62.41	71.36	17.78	34.34	7.98	36.86	10.27	1749
3760	MC1400 140 TON W/230' BOOM 210/301 HP D/D	602,747	66.73	75.57	19.26	36.13	7.98	38.45	10.27	1950
3765	MC1650 165 TON W/250' BOOM 220/315 HP D/D	740,095	79.96	90.20	23.66	44.40	8.36	47.24	10.76	2614
	P & H									
3775	9070 70 TON W/180' BOOM 140/335 HP D/D	390,971	45.29	51.70	12.91	24.97	6.00	26.81	7.64	1115
3780	790BTC 90 TON W/200' BOOM 160/350 HP D/D	528,442	59.77	68.07	17.42	33.64	6.69	36.12	8.54	1606
3785	9150 150 TON W/270' BOOM 210/350 HP D/D	691,912	75.17	84.88	22.13	41.55	8.23	44.22	10.56	1805
3790	6250TC 300 TON W/320' BOOM 364/450 HP D/D	1,468,657	153.49	172.49	47.03	88.48	13.47	94.18	17.39	3928

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, TOWER ********** AMERICAN PECCO									
	MODEL SK135-2 FREE STANDING 60 HP E 7500# @ 132' RADIUS (L-2)									
3810	7-S16 TOWER SECTS=103 FT HIGH	287,909	42.26		10.03	18.82	5.07			740
	OPT. 14'9-1/4" S16 TOWER SECT									
3820	ADD TO BASIC CRANE FOR EA SECT	12,306	1.26		0.43	0.80	0.00			51
3825	TOP CLIMBING OPT. ADD TO BASIC	45,948	4.70		1.60	3.00	0.00			118
	MODEL SK200 FREE STANDING 105 HP E 10600# @ 143' RADIUS (L-2)									
3835	7-S16 TOWER SECTS=103 FT HIGH	362,251	55.58		12.63	23.68	8.87			883
	14'9-1/4" S16 TOWER SECTION									
3845	ADD TO BASIC CRANE FOR EA SECT	12,306	1.26		0.43	0.80	0.00			51
3850	TOP CLIMBING OPT. ADD TO BASIC	45,948	4.70		1.60	3.00	0.00			118
	MODEL SK400 FREE STANDING 105 HP E 18500# @ 162' RADIUS (L-2)									
3860	6-S35 TOWER SECTS=116 FT HIGH	443,408	63.90		15.45	28.99	8.87			1216
	OPT. 19'4-1/4" S35 TOWER SECT.									
3870	ADD TO BASIC CRANE FOR EA SECT	15,487	1.58		0.54	1.01	0.00			84
3875	TOP CLIMBING OPT. ADD TO BASIC	47,135	4.83		1.64	3.08	0.00			223
	MODEL SK560 FREE STANDING 165 HP E 24500# @ 170' RADIUS (L-2)									
3885	6-S213 TOWER SECTS=116 FT HIGH	513,620	78.69		17.90	33.57	13.94			1547
	OPT. 19'4-1/4" S213 TOWER SECT									
3895	ADD TO BASIC CRANE FOR EA SECT	16,470	1.69		0.58	1.08	0.00			100
3900	TOP CLIMBING OPT. ADD TO BASIC	90,513	9.27		3.15	5.91	0.00			252

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CRANES, TOWER (CONT'D) **********									
	AMERICAN PECCO (CONT'D)									
	MODEL SN355 FREE STANDING 165 HP E 12300# @ 165' RADIUS (L-2) WITH LUFFING BOOM									
3910	6-S35 TOWER SECTS=116 FT HIGH	544,050	81.81		18.96	35.56	13.94			2152
	OPT. 19'4-1/4" S35 TOWER SECT									
3920	ADD TO BASIC CRANE FOR EA SECT	15,487	1.58		0.54	1.01	0.00			84
3925	TOP CLIMBING OPT. ADD TO BASIC	95,038	9.73		3.31	6.21	0.00			159
	DRILLS, BLAST HOLE, CRAWLER MTD **********									
	GARDNER DENVER									
3940	AT3100B/PR55 3.5" HOLE 12' FEED 600CFM A	68,155	12.78		3.04	7.11	0.00			92
3945	AT3100B/PR123J 4.0" HOLE 12' FEED 750CFM A	72,068	13.47		3.22	7.52	0.00			91
3950	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	74,896	13.96		3.34	7.81	0.00			93
3955	AT3800A/PR55 ANGLE DRILL 600CFM A 3.5" HOLE 20' FEED	84,948	15.79		3.79	8.87	0.00			123
3960	ATD3800A/PR123J ANGLE DRILL 750CFM A 4.0" HOLE 20' FEED	88,888	16.47		3.96	9.27	0.00			124
3965	AT3800A/PR66 ANGLE DRILL 900CFM A 4.0" HOLE 20' FEED	91,700	16.96		4.09	9.56	0.00			125
3970	SCH3500BV HYDRAULIC DRILL 223 HP D 2.5" HOLE 12' FEED	223,974	51.75		9.99	23.37	8.49			125
3975	HYDR. RING DRILL JUMBO 5'FEED 75 HP E 3.5" HOLE,HPR1 DRILL & MOD1 POWER	166,436	42.06		7.42	17.36	7.80			144
	INGERSOLL-RAND									
3985	ECM350/VL140 3.5" HOLE 12' FEED 750CFM A	80,947	15.03		3.61	8.45	0.00			129
3990	ECM350/VL671 4.0" HOLE 12' FEED 900CFM A	88,237	16.37		3.94	9.21	0.00			131
3995	ECM 450Y 3.0" HOLE 12' FEED 100 HP D	121,735	26.11		5.42	12.69	3.81			188

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	DRILLS, BLAST HOLE, CRLR MTD (CONT'D) **********									
	SULLIVAN									
4005	MAVRICK/VCR350 2.5" HOLE 12' FEED 450CFM A	46,332	8.64		2.06	4.83	0.00			60
4010	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	70,734	13.24		3.16	7.38	0.00			100
4015	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	83,280	15.45		3.72	8.69	0.00			144
4020	MUSTANG VCR280 5.0" HOLE 20' FEED1200CFM A	102,951	19.01		4.59	10.74	0.00			184
4025	STALLION JH-6 5.5" HOLE 20' FEED 165 HP D	221,482	46.73		9.88	23.11	6.28			300
	DRILLS, CORE, COLUMN MOUNTED **********									
	ACKER									
4040	MOD 610-E 4" DIA. MAX 1 HP E	2,077	0.72		0.09	0.22	0.10			1
4045	MOD 930-E 9" DIA. MAX 2 HP E	2,555	0.99		0.11	0.26	0.21			2
4050	MOD 1050-E 10" DIA. MAX 3 HP E	4,115	1.47		0.18	0.43	0.31			3
4055	MOD 1080-E 10" DIA. MAX 11 HP E	9,397	4.31		0.42	0.98	1.14			6
	LONGYEAR									
4065	MOD 752 DRILL W/E4-230 MOTOR 3 HP E	3,425	1.24		0.15	0.35	0.31			2
4070	MOD 42N DRILL W/A4-350 MOTOR 165CFM A	3,668	1.05		0.16	0.38	0.00			3
	DRILLS, CORE, SKID MOUNTED **********									
	ACKER									
4085	TEREDO MARK-II NX 1000' MAX 44 HP D	36,255	8.45		1.61	3.78	1.68			45
4090	ACE MODEL C NX 400' MAX 20 HP D	25,130	5.36		1.12	2.62	0.76			35
4095	BUSH MASTER NX 900' MAX 48 HP D	43,250	9.87		1.93	4.51	1.83			45
	SPRAGUE AND HENWOOD									
4110	MOD 37-H NX 400' MAX 18 HP G	18,263	4.73		0.81	1.90	1.31			18
4115	MOD 40-CL NX 1050' MAX 49 HP D	28,277	7.29		1.26	2.95	1.87			27

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	DRILLS, ROTARY **********									
	GARDNER-DENVER									
4130	MOD RDC-16B 3" TO 5 1/8" 131 HP D	169,945	28.07		6.32	13.08	4.99			310
4135	MOD GD-25/35C 6" TO 8 3/4" 250 HP D	236,050	42.55		8.76	18.16	9.52			600
4140	MOD GD-45C 6 3/4" TO 10 5/8" 325 HP D	371,266	63.33		13.79	28.57	12.37			775
4145	MOD GD-100 9 7/8" TO 15" 626 HP E	747,200	146.08		24.97	47.28	56.97			2110
4150	MOD GD-120 3 7/8" TO 17 1/2" 684 HP E	922,879	168.25		30.84	58.40	62.24			2910
	INGERSOLL-RAND									
4160	MOD DM-25 6 3/4" DRILLMASTER CRWL. MOUNTED 210 HP D	252,307	42.47		9.37	19.42	7.99			500
4165	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED 304 HP D	331,873	58.49		12.26	25.29	11.57			550
4170	MOD TH-60 WATER WELL DRILL TRK. MOUNTED 435 HP D	308,264	62.09		11.41	23.54	16.56			460
	ROBBINS									
4180	RRT 35 TK MTD 6-1/4" TO 8-0" 335/225 HP D/D	340,557	62.63		12.59	25.97	13.89			600
4185	RRT 50 TK MTD 6 3/4" TO 9" 335 HP D	495,603	80.99		18.31	37.76	12.75			860
4190	RRT 60 TK MTD 6 3/4" TO 9 7/8" 350 HP D	560,574	89.87		20.73	42.76	13.32			960
4195	RR10S ON D9H 6 3/4" TO 9" 410 HP D	409,337	72.54		15.20	31.50	15.61			1160
4200	RR10HD ON D9H 6 3/4" TO 10 5/8" 410 HP D	474,982	80.73		17.65	36.56	15.61			1340
4205	RR10XHD ON 41B 9 7/8" TO 12 1/4" 524 HP D	656,694	91.36		21.95	41.56	19.95			1830
4210	RR12E CRLR MTD 9" TO 12 1/4" 725/450 HP E/E	1,205,844	275.78		40.30	76.31	118.62			2605
	FORK LIFTS **********									
	CATERPILLAR									
	LC = LOAD CENTER									
4230	M20 ELECT 2000# @ 24" LC 18 HP E	17,068	4.97		0.75	1.74	1.52			54
4235	M25 ELECT 2500# @ 24" LC 18 HP E	17,160	4.98		0.75	1.75	1.52			54
4240	MC30 ELECT 3000# @ 24" LC 18 HP E	18,024	5.13		0.80	1.84	1.52			85

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	FORK LIFTS (CONT'D) **********									
	CATERPILLAR (CONT'D)									
4245	M40B ELECT 4000# @ 24" LC 32 HP E	24,902	7.96		1.10	2.55	2.70			95
4250	M50B ELECT 5000# @ 24" LC 32 HP E	25,409	8.04		1.12	2.60	2.70			102
4255	MC60B ELECT 6000# @ 24" LC 47 HP E	27,976	10.29		1.23	2.86	3.97			123
4260	M70B ELECT 7000# @ 24" LC 53 HP E	34,664	12.12		1.53	3.53	4.48			134
4265	M80B ELECT 8000# @ 24" LC 53 HP E	36,267	12.38		1.60	3.71	4.48			142
4270	M100B ELECT 10000# @ 24" LC 53 HP E	38,284	12.69		1.70	3.94	4.48			160
4275	V30D GAS 3000# @ 24" LC 37 HP G	16,388	5.37		0.73	1.69	2.20			37
4280	V40C GAS 4000# @ 24" LC 48 HP G	21,807	7.09		0.96	2.21	2.85			41
4285	V50C GAS 5000# @ 24" LC 48 HP G	22,270	7.20		0.97	2.21	2.85			45
4290	V60E GAS 6000# @ 24" LC 63 HP G	30,793	9.65		1.35	3.13	3.74			52
4295	V70E GAS 7000# @ 24" LC 63 HP G	31,140	9.70		1.37	3.16	3.74			56
4300	V80E GAS 8000# @ 24" LC 63 HP G	32,385	9.90		1.42	3.29	3.74			59
4305	V110 DIESEL 11000# @ 24" LC 66 HP D	46,598	10.10		2.05	4.73	2.03			82
4310	V150 DIESEL 15000# @ 24" LC 70 HP D	50,179	10.82		2.21	5.10	2.15			92
4315	V180B DIESEL 18000# @ 24" LC 125 HP D	66,468	15.65		2.91	6.67	3.85			114
4320	V200B DIESEL 20000# @ 24" LC 125 HP D	72,409	16.60		3.16	7.28	3.85			124
4325	V250B DIESEL 25000# @ 24" LC 125 HP D	74,372	16.93		3.25	7.49	3.85			154
4330	V300B DIESEL 30000# @ 24" LC 125 HP D	83,468	18.45		3.64	8.36	3.85			165
4335	R40 DIESEL 4000# @ 24" LC 68 HP D	29,147	7.36		1.27	2.93	2.09			107
4340	R50 DIESEL 5000# @ 24" LC 68 HP D	29,858	7.47		1.31	3.00	2.09			112
4345	R60 DIESEL 6000# @ 24" LC 68 HP D	36,109	8.48		1.58	3.65	2.09			128
4350	R80 DIESEL 8000# @ 24" LC 68 HP D	37,501	8.78		1.63	3.71	2.09			138
	HYSTER - CHALLENGER									
4360	H30XL 3000# @ 24" LC 63 HP G	16,907	7.41		0.74	1.69	3.74			58
4365	H60XL 6000# @ 24" LC 80 HP G	24,390	9.87		1.07	2.46	4.75			91
4370	H110F 11000# @ 24" LC 116 HP G	48,007	16.34		2.12	4.90	6.89			163

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	FORK LIFTS (CONT'D) **********									
	HYSTER - CHALLENGER (CONT'D)									
4375	H150H 15000# @ 24" LC 127 HP G	65,591	20.10		2.86	6.57	7.54			234
4380	H200HS20000# @ 24" LC PS 127 HP G	76,545	21.87		3.35	7.71	7.54			256
4385	H250H 25000# @ 24" LC PS 127 HP G	76,868	21.94		3.35	7.70	7.54			295
4390	H300B 30000# @ 24" LC PS 127 HP G	83,021	22.90		3.63	8.38	7.54			360
4395	H460CS46000# @ 36" LC PS 190 HP G	170,660	41.86		7.47	17.23	11.29			590
	GENERATOR SETS, ELECTRIC **********									
	CATERPILLAR T = TURBOCHARGED TA = TURBOCHARGED AFTER COOLED									
	SKID MOUNTED									
4415	MOD 3304B-T 240/480V 100 KW 148 HP D	17,576	9.00	11.41	0.90	2.29	4.56	2.56	5.99	37
4420	MOD 3306B-T 240/480V 125 KW 187 HP D	23,031	11.53	14.60	1.18	3.00	5.76	3.36	7.57	46
4425	MOD 3306B-TA 240/480V 150 KW 220 HP D	24,834	13.13	16.67	1.27	3.23	6.77	3.62	8.91	48
4430	MOD 3406B-T 240/480V 200 KW 290 HP D	26,671	16.16	20.60	1.37	3.48	8.93	3.89	11.74	57
4435	MOD 3406B-TA 240/480V 250 KW 370 HP D	30,506	19.93	25.48	1.56	3.97	11.39	4.44	14.98	59
4440	MOD 3408B-T 240/480V 255 KW 370 HP D	36,240	21.03	26.79	1.85	4.72	11.39	5.29	14.98	77
4445	MOD 3408B-TA 240/480V 310 KW 450 HP D	40,410	24.87	31.73	2.06	5.26	13.85	5.89	18.22	81
4450	MOD 3412-T 240/480V 355 KW 500 HP D	48,842	28.39	36.16	2.49	6.36	15.39	7.12	20.25	91
4455	MOD 3412-TA 240/480V 455 KW 650 HP D	66,266	37.44	47.64	3.38	8.63	20.01	9.66	26.32	102
4460	MOD 3508 240/480V 600 KW 845 HP D	88,338	49.08	62.42	4.50	11.50	26.01	12.88	34.22	140
4465	MOD 3512 240/480V 900 KW 1250 HP D	120,186	70.61	89.97	6.13	15.65	38.47	17.52	50.62	202
4470	MOD 3516 480V 1100 KW 1450 HP D	157,814	85.42	108.52	8.05	20.55	44.63	23.00	58.72	256
	KOHLER									
4480	2.25MBM25 PORTABLE 2.25 KW 5 HP G	864	0.53	0.67	0.04	0.11	0.30	0.12	0.39	1
4485	3.5MM65 PORTABLE 3.50 KW 8 HP G	1,363	0.84	1.07	0.07	0.17	0.48	0.19	0.62	2
4490	5MM65 PORTABLE 5.00 KW 12 HP G	1,768	1.22	1.54	0.09	0.23	0.71	0.25	0.93	2

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	GENERATOR SETS, ELECTRIC (CONT'D) **********									
	ONAN									
	SKID MOUNTED									
4505	120/240V 2.5 KW 6 HP G	1,561	0.74	0.93	0.08	0.20	0.36	0.23	0.46	2
4510	120/240V 6.5 KW 14 HP G	3,511	1.70	2.13	0.18	0.46	0.83	0.51	1.08	3
4515	120/240V 10.0 KW 20 HP G	3,840	2.21	2.79	0.19	0.50	1.19	0.56	1.55	4
4520	120/240V 3.0 KW 6 HP D	4,065	1.00	1.22	0.21	0.53	0.18	0.59	0.24	4
4525	120/240V 6.0 KW 12 HP D	5,395	1.49	1.83	0.27	0.70	0.37	0.79	0.49	5
4530	120/240V 12.0 KW 22 HP D	7,764	2.32	2.86	0.40	1.01	0.68	1.13	0.89	7
4535	120/240V 15 KW 27 HP D	7,983	2.55	3.15	0.41	1.04	0.83	1.16	1.09	14
4540	120/240V 30 KW 63 HP D	11,836	4.66	5.84	0.60	1.54	1.94	1.73	2.55	19
4545	120/240V 45 KW 87 HP D	15,650	6.29	7.91	0.79	2.03	2.68	2.28	3.52	25
4550	120/240V 60 KW 102 HP D	17,977	7.32	9.19	0.92	2.34	3.14	2.62	4.13	26
4555	120/240V 75 KW 162 HP D	21,388	10.27	12.97	1.10	2.79	4.99	3.12	6.56	30
4560	120/240V 90 KW 162 HP D	22,404	10.46	13.20	1.14	2.92	4.99	3.27	6.56	30
4565	120/240V 125 KW 210 HP D	25,980	12.96	16.42	1.33	3.38	6.46	3.79	8.50	50
4570	120/240V 150 KW 276 HP D	30,808	16.41	20.83	1.57	4.01	8.50	4.49	11.18	65
	OVERLOWE									
4580	KP2250R PORTABLE 2.25 KW 5 HP G	969	0.55	0.70	0.05	0.12	0.30	0.14	0.39	1
4585	KP3000R PORTABLE 3.00 KW 7 HP G	1,059	0.72	0.92	0.06	0.14	0.42	0.16	0.54	2
4590	KP3750BIC PORTABLE 3.75 KW 8 HP G	1,485	0.88	1.11	0.08	0.20	0.48	0.22	0.62	2
4595	KP5000BIC PORTABLE 5.00 KW 10 HP G	1,875	1.09	1.39	0.10	0.25	0.59	0.28	0.77	2
4600	KP6500BICB PORTABLE 6.50 KW 16 HP G	1,971	1.56	1.99	0.10	0.26	0.95	0.29	1.24	3
4605	KP7500BICB PORTABLE 7.50 KW 16 HP G	1,867	1.54	1.97	0.10	0.25	0.95	0.28	1.24	3

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
		GRADERS, MOTOR **********											
		CATERPILLAR											
4620	MOD 120-G	POWER SHIFT ARTIC	125 HP	D	108,242	18.77	23.51	4.35	9.24	3.54	10.59	4.66	272
4625	MOD 130-G	POWER SHIFT ARTIC	135 HP	D	123,212	21.08	26.35	4.96	10.55	3.83	12.08	5.03	293
4630	MOD 12-G	POWER SHIFT ARTIC	135 HP	D	134,728	22.57	28.18	5.43	11.54	3.83	13.21	5.03	316
4635	MOD 140-G	POWER SHIFT ARTIC	150 HP	D	135,635	23.30	29.16	5.45	11.58	4.25	13.27	5.59	318
4640	MOD 14-G	POWER SHIFT ARTIC	180 HP	D	191,405	31.93	39.94	7.65	16.17	5.10	18.52	6.71	441
4645	MOD 16-G	POWER SHIFT ARTIC	250 HP	D	278,913	46.16	57.70	11.14	23.52	7.09	26.93	9.31	581
		CHAMPION											
4655	MOD 710A	ARTICULATED	135 HP	D	106,247	18.98	23.79	4.26	9.04	3.83	10.35	5.03	286
4660	MOD 720A	ARTICULATED	152 HP	D	126,806	22.29	27.92	5.09	10.80	4.31	12.37	5.66	335
4665	MOD 730A	ARTICULATED	180 HP	D	130,555	23.82	29.91	5.24	11.12	5.10	12.74	6.71	340
4670	MOD 740A	ARTICULATED	210 HP	D	143,308	26.57	33.38	5.76	12.23	5.95	14.01	7.82	345
4675	MOD 710	NON-ARTICULATED	135 HP	D	99,959	18.17	22.80	4.01	8.49	3.83	9.72	5.03	280
4680	MOD 720	NON-ARTICULATED	152 HP	D	110,517	20.21	25.38	4.43	9.38	4.31	10.74	5.66	315
4685	MOD 730	NON-ARTICULATED	180 HP	D	119,350	22.39	28.15	4.79	10.14	5.10	11.62	6.71	330
4690	MOD 740	NON-ARTICULATED	210 HP	D	135,177	25.54	32.12	5.43	11.52	5.95	13.20	7.82	345
4695	MOD 760	NON-ARTICULATED	210 HP	D	154,476	28.37	35.67	6.15	12.96	5.95	14.84	7.82	390
		FIAT-ALLIS											
4705	MOD-65B	DIRECT DRIVE	68 HP	D	59,416	10.30	12.88	2.39	5.07	1.93	5.82	2.53	135
4710	MOD-FG75	POWER SHIFT	130 HP	D	92,762	17.03	21.39	3.72	7.88	3.69	9.03	4.84	300
4715	MOD-FG85	POWER SHIFT	145 HP	D	99,752	18.55	23.30	4.00	8.46	4.11	9.69	5.40	310
4720	MOD-FG95	POWER SHIFT	160 HP	D	106,740	20.16	25.36	4.25	8.97	4.54	10.26	5.96	330
		GALION/DRESSER											
4730	MOD 400E	POWER SHIFT	125 HP	D	105,666	18.45	23.12	4.25	9.02	3.54	10.34	4.66	286
4735	MOD 450E	POWER SHIFT	145 HP	D	114,526	20.35	25.50	4.61	9.79	4.11	11.22	5.40	306
4740	MOD A-500	POWER SHIFT	145 HP	D	120,886	21.18	26.52	4.86	10.33	4.11	11.83	5.40	318

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	GRADERS, MOTOR (CONT'D) **********									
	GALION/DRESSER (CONT'D)									
4745	MOD A-550 POWER SHIFT 175 HP D	135,210	24.21	30.34	5.44	11.55	4.96	13.23	6.52	327
4750	MOD A-600 POWER SHIFT 197 HP D	140,238	25.68	32.23	5.65	11.99	5.58	13.73	7.34	336
4755	MOD A-606 POWER SHIFT 197 HP D	156,861	27.80	34.86	6.31	13.40	5.58	15.36	7.34	342
	JOHN DEERE									
4765	MOD 570A POWER SHIFT 85 HP D	86,897	14.55	18.20	3.48	7.38	2.41	8.47	3.17	205
4770	MOD 670A POWER SHIFT 125 HP D	107,062	18.63	23.33	4.30	9.14	3.54	10.47	4.66	275
4775	MOD 672A POWER SHIFT 125 HP D	126,293	21.13	26.42	5.07	10.78	3.54	12.35	4.66	286
4780	MOD 770A POWER SHIFT 150 HP D	122,390	21.60	27.06	4.92	10.44	4.25	11.96	5.59	310
4785	MOD 772A POWER SHIFT 150 HP D	141,980	24.09	30.11	5.72	12.15	4.25	13.91	5.59	320
	KOMATSU									
4795	GD 505A-2 ARTIC 130 HP D	101,580	18.19	22.80	4.07	8.63	3.69	9.88	4.84	275
4800	GD 605A-2 ARTIC 145 HP D	120,944	21.26	26.65	4.85	10.28	4.11	11.78	5.40	336
4805	GD 705A-4 ARTIC 200 HP D	167,391	29.65	37.18	6.68	14.09	5.67	16.12	7.45	425
4810	GD 825A-1 ARTIC 280 HP D	268,070	45.92	57.50	10.70	22.58	7.94	25.85	10.43	578
	TROJAN									
4820	MOD F105 POWER SHIFT 112 HP D	101,025	17.48	21.90	4.05	8.56	3.18	9.80	4.17	205
4825	MOD F155 POWER SHIFT 152 HP D	116,969	21.06	26.42	4.69	9.92	4.31	11.35	5.66	317
4830	MOD F155A POWER SHIFT 170 HP D	128,869	23.25	29.18	5.17	10.95	4.82	12.55	6.33	324
	HOISTS ******									
	AIR TUGGERS BEEBE									
4845	2000P110-24 1.0 T 225 CFM RQD	6,121	1.13		0.27	0.63	0.00			5
4850	5000P120-24 2.5 T 500 CFM RQD	9,825	1.85		0.44	1.02	0.00			16
4855	10000P 50-24 5.0 T 500 CFM RQD	11,896	2.30		0.53	1.23	0.00			22
4860	20000P 50-40 10.0 T 850 CFM RQD	30,798	5.61		1.37	3.20	0.00			55

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	HOISTS (CONT'D) **********									
	SKAGIT									
4870	BU-18 DOUBLE DRUM W/5/8" CABLE 100 HP D	74,084	16.33		3.30	7.69	3.08			85
4875	G-70 DOUBLE DRUM W/7/8" CABLE 100 HP D	100,165	20.74		4.46	10.41	3.08			126
4880	RB-80 DOUBLE DRUM W/1-1/8" CABLE 130 HP D	154,113	30.99		6.86	16.01	4.00			240
4885	RB-90WDOUBLE DRUM W/1-3/8" CABLE 150 HP D	171,570	34.71		7.65	17.83	4.62			300
	HYDRAULIC EXCAVATOR, CRAWLER MOUNTED ********** T/B = TELESCOPING BOOM B/H = BACKHOE									
	AKERMAN									
4900	MOD H7C .92 CY B/H 145 HP D	129,289	30.34	41.13	6.35	15.23	4.11	19.30	5.40	343
4905	MOD H10B 1.37 CY B/H 166 HP D	154,760	31.98	41.11	6.88	16.00	4.71	19.15	6.19	466
4910	MOD H14B 1.64 CY B/H 209 HP D	184,984	38.60	49.61	8.23	19.13	5.93	22.89	7.79	595
4915	MOD H16D 1.90 CY B/H 262 HP D	286,398	57.66	74.03	12.74	29.62	7.43	35.43	9.76	873
4920	MOD H25C 2.55 CY B/H 326 HP D	450,159	81.55	100.98	18.49	42.11	9.24	48.60	12.15	1261
	BADGER (HOPTO)									
4930	MOD 311 1.88 CY B/H 235 HP D	244,522	49.60	63.71	10.88	25.29	6.66	30.25	8.76	745
4935	MOD 900B 2.00 CY B/H 308 HP D	295,994	60.86	78.18	13.17	30.62	8.73	36.61	11.48	1015
4940	MOD 1900 5.00 CY B/H 616 HP D	617,388	117.69	146.17	25.36	57.75	17.46	66.65	22.95	2050
	BADGER (HOPTO) (CONT'D)									
4955	MOD 880D "E" BOOM .63 CY B/H 114 HP D	76,989	19.15	25.92	3.78	9.07	3.23	11.49	4.25	310
4960	MOD 1080 .75 CY B/H 153 HP D	100,086	25.08	33.95	4.91	11.78	4.34	14.94	5.70	400
4965	MOD 1280B 1.00 CY B/H 198 HP D	126,620	28.27	36.41	5.63	13.09	5.61	15.66	7.38	495
	CATERPILLAR									
4975	MOD 205 .50 CY B/H 71 HP D	68,591	15.86	21.52	3.37	8.08	2.01	10.23	2.65	285
4980	MOD 211 .68 CY B/H 94 HP D	85,981	20.07	27.23	4.22	10.12	2.66	12.83	3.50	326
4985	MOD 213 .86 CY B/H 102 HP D	98,490	22.78	30.89	4.84	11.60	2.89	14.69	3.80	358

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D) ********** T/B = TELESCOPING BOOM B/H = BACKHOE									
	CATERPILLAR (CONT'D)									
4990	MOD 215B LC 1.00 CY B/H 105 HP D	122,333	27.45	37.27	6.01	14.41	2.98	18.26	3.91	400
4995	MOD 225 1.25 CY B/H 135 HP D	165,570	32.77	42.06	7.36	17.12	3.83	20.48	5.03	504
5000	MOD 235 1.50 CY B/H 195 HP D	302,116	58.06	74.44	13.44	31.25	5.53	37.36	7.27	904
5005	MOD 245 2.50 CY B/H 325 HP D	469,644	90.98	116.71	20.89	48.58	9.21	58.09	12.11	1395
	FIAT-ALLIS									
5015	MOD FE18 .74 CY B/H 86 HP D	108,076	23.99	32.57	5.31	12.73	2.44	16.13	3.20	372
5020	MOD FE20 .90 CY B/H 105 HP D	122,813	27.55	37.38	6.03	14.47	2.98	18.32	3.91	452
5025	MOD FE28 1.33 CY B/H 152 HP D	165,774	33.39	42.86	7.38	17.15	4.31	20.51	5.66	585
5030	MOD FE40L 2.10 CY B/H 243 HP D	259,651	52.46	67.34	11.55	26.86	6.89	32.11	9.05	984
	GRADALL									
5040	MOD G-660C .88 CY T/B 145 HP D	170,291	38.16	51.81	8.37	20.06	4.11	25.41	5.40	452
5045	MOD G-880C 1.00 CY T/B 145 HP D	203,092	44.43	60.36	9.98	23.93	4.11	30.31	5.40	536
5050	MOD G-1000 1.25 CY T/B 272 HP D	275,139	56.08	72.02	12.24	28.46	7.71	34.03	10.13	787
	HITACHI									
5060	MOD UH 083 1.13 CY B/H 115 HP D	115,821	23.62	30.34	5.16	11.98	3.26	14.33	4.28	408
5065	MOD UH 123 1.50 CY B/H 157 HP D	181,306	36.19	46.46	8.06	18.75	4.45	22.42	5.85	573
5070	MOD UH 181 2.38 CY B/H 270 HP D	279,453	56.75	72.87	12.43	28.91	7.65	34.57	10.06	904
5075	MOD UH 261 3.38 CY B/H 476 HP D	404,752	79.66	99.11	16.63	37.87	13.49	43.70	17.74	1320
5080	MOD UH 501 5.25 CY B/H 540 HP D	547,008	100.37	121.77	20.93	45.53	15.31	51.17	20.12	1980
5085	MOD UH 801 8.38 CY B/H 800 HP D	965,927	171.86	207.92	36.97	80.41	22.68	90.36	29.81	3460
	INSLEY									
5095	MOD H600C .75 CY B/H 135 HP D	106,708	25.64	34.74	5.24	12.57	3.83	15.93	5.03	385
5100	MOD H800C 1.00 CY B/H 160 HP D	129,027	30.87	41.84	6.33	15.19	4.54	19.25	5.96	440
5105	MOD H1000C 1.25 CY B/H 180 HP D	152,238	32.03	41.17	6.77	15.75	5.10	18.83	6.71	517

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D) ********** T/B = TELESCOPING BOOM B/H = BACKHOE									
	INSLEY (CONT'D)									
5110	MOD H1500C 1.75 CY B/H 255 HP D	235,663	48.78	62.67	10.48	24.37	7.23	29.15	9.50	783
5115	MOD H2500C 2.25 CY B/H 290 HP D	275,942	56.82	73.00	12.27	28.54	8.22	34.13	10.81	955
5120	MOD H3500C 3.50 CY B/H 400 HP D	387,649	74.35	92.38	15.92	36.26	11.34	41.85	14.90	1300
	JOHN DEERE									
5130	MOD 490 .50 CY B/H 75 HP D	76,281	17.49	23.72	3.75	8.98	2.13	11.38	2.79	265
5135	MOD 690 C .875 CY B/H 125 HP D	108,699	25.63	34.74	5.34	12.80	3.54	16.22	4.66	400
5140	MOD 790 1.00 CY B/H 155 HP D	140,942	32.96	44.69	6.93	16.61	4.39	21.04	5.78	510
5145	MOD 792 1.50 CY B/H 180 HP D	173,294	35.61	45.76	7.71	17.92	5.10	21.44	6.71	644
5150	MOD 990 2.125 CY B/H 260 HP D	263,393	53.66	68.94	11.72	27.24	7.37	32.58	9.69	912
	KOEHRING									
5160	MOD 6605 .20 CY B/H 46 HP D	42,485	9.90	13.43	2.08	5.00	1.30	6.34	1.71	118
5165	MOD 6608 .34 CY B/H 64 HP D	53,911	12.79	17.33	2.65	6.35	1.81	8.04	2.38	163
5170	MOD 6611 .52 CY B/H 74 HP D	73,135	16.86	22.87	3.60	8.62	2.10	10.92	2.76	246
5175	MOD 6614 .85 CY B/H 93 HP D	91,785	21.15	28.70	4.51	10.81	2.64	13.70	3.47	310
5180	MOD 6620 1.18 CY B/H 122 HP D	121,639	24.85	31.92	5.41	12.58	3.46	15.04	4.55	432
5185	MOD 6625 1.46 CY B/H 162 HP D	159,615	32.68	41.97	7.10	16.51	4.59	19.74	6.04	560
5190	MOD 6644 2.00 CY B/H 257 HP D	280,248	56.45	72.48	12.47	28.99	7.29	34.67	9.58	920
5195	MOD 866E 3.25 CY B/H 332 HP D	463,690	83.88	103.84	19.05	43.38	9.41	50.06	12.37	1306
5200	MOD 1066E 4.00 CY B/H 420 HP D	576,323	104.51	129.40	23.67	53.91	11.91	62.22	15.65	1640
5205	MOD 1166E 5.00 CY B/H 464 HP D	642,217	116.31	144.02	26.38	60.08	13.15	69.34	17.29	1890
5210	MOD 1266 5.50 CY B/H 664 HP D	934,035	162.33	196.00	35.74	77.75	18.82	87.38	24.74	2600
5215	MOD 1466 9.00 CY B/H 832 HP D	1,089,970	191.44	231.36	41.71	90.73	23.59	101.97	31.00	2900

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D) ********** T/B = TELESCOPING BOOM B/H = BACKHOE									
	KOMATSU									
5225	MOD PC 120-3 .65 CY B/H 82 HP D	87,634	19.92	27.05	4.31	10.32	2.32	13.08	3.06	256
5230	MOD PC 150-3 .82 CY B/H 99 HP D	104,020	23.72	32.18	5.11	12.25	2.81	15.52	3.69	312
5235	MOD PC 200 LC-3 1.05 CY B/H 118 HP D	137,257	27.38	35.15	6.11	14.20	3.35	16.98	4.40	423
5240	MOD PC 220 LC-3 1.31 CY B/H 148 HP D	174,972	34.82	44.68	7.79	18.10	4.20	21.64	5.51	512
5245	MOD PC 300 LC-3 1.70 CY B/H 197 HP D	212,163	42.81	54.98	9.44	21.95	5.58	26.25	7.34	679
5250	MOD PC 650-1 3.60 CY B/H 404 HP D	509,982	93.60	115.98	20.95	47.71	11.45	55.06	15.05	1433
	UNIT									
5260	MOD H202CT SER II 1.25 CY B/H 152 HP D	155,309	31.61	40.58	6.91	16.07	4.31	19.21	5.66	475
5265	MOD H342 1.63 CY B/H 228 HP D	251,912	50.63	65.01	11.21	26.06	6.46	31.16	8.50	723
5270	MOD H471 1.75 CY B/H 304 HP D	312,827	63.58	81.67	13.92	32.36	8.62	38.70	11.33	972
	HYDRAULIC EXCAVATOR, TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRRIER) T/B = TELESCOPING BOOM B/H = BACKHOE									
	CATERPILLAR									
5285	MOD 206 .59 CY B/H 71 HP D	78,997	11.78	14.10	2.89	6.07	2.19	6.75	2.88	246
5290	MOD 212 .77 CY B/H 94 HP D	98,792	14.85	17.79	3.63	7.64	2.89	8.48	3.81	275
5295	MOD 214 .95 CY B/H 102 HP D	110,576	16.45	19.69	4.06	8.57	3.14	9.52	4.13	321
5300	MOD 224 1.18 CY B/H 124 HP D	141,791	18.99	22.33	4.86	9.70	3.82	10.54	5.02	413
	GRADALL									
5310	MOD G-3R .50 CY T/B 125 HP D	130,762	19.47	23.31	4.83	10.22	3.85	11.36	5.06	360
5315	MOD G-3W .50 CY T/B 125/205 HP D/D	141,733	22.21	26.53	5.21	11.01	4.88	12.24	6.27	380
5320	MOD G-660C .88 CY T/B 145/210 HP D/G	190,467	29.41	35.34	7.03	14.88	6.35	16.54	8.33	422
5325	MOD G-880C 1.00 CY T/B 145/210 HP D/D	231,538	32.80	38.90	8.54	18.08	5.52	20.09	7.11	535
5330	MOD G-1000 1.25 CY T/B 272/312 HP D/D	303,714	42.85	50.39	10.42	20.84	9.94	22.62	12.85	726

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LAND CLEARING EQUIPMENT ********** (ADD TO LOADER/TRACTOR) (INCLUDES HYDRAULICS)									
	BALDERSON/FLECO									
5345	MOD BHTS 30 HYDR. TREE SHEAR FOR 953 LOADER	17,149	3.28	4.08	0.76	1.78	0.00	2.13	0.00	32
5350	MOD BMA8 MULTIAPPLICATION RAKE FOR D8L TRACTOR	20,787	3.79	4.77	0.92	2.16	0.00	2.59	0.00	83
5355	MOD BTXC973 CLAMP RAKE FOR 973 LOADER	23,258	4.21	5.30	1.03	2.42	0.00	2.90	0.00	63
5360	MOD BBL7 BLADE RAKE FOR D7G TRACTOR	11,186	2.14	2.65	0.50	1.17	0.00	1.39	0.00	37
5365	MOD BRK8 ROCK & ROOT RAKE FOR D8L TRACTOR	19,210	3.53	4.43	0.85	2.00	0.00	2.40	0.00	80
5370	MOD VT8 V-TREE CUTTER FOR D8L TRACTOR	30,384	5.51	6.93	1.35	3.16	0.00	3.79	0.00	140
5375	LOGGING FORK FOR 988 LOADER	23,919	4.53	5.64	1.07	2.49	0.00	2.98	0.00	70
5380	HEAVY DUTY CLEARING RAKE FOR D8L	18,798	3.46	4.35	0.83	1.95	0.00	2.35	0.00	71
	LAWNMOWERS **********									
	EXCEL									
5395	HUSTLER 275-60" 23 HP G	8,749	5.22		0.69	2.04	1.68			21
5400	HUSTLER 295-60" 25 HP G	10,164	5.91		0.81	2.38	1.82			24
5405	HUSTLER 305D-60" 32 HP D	11,353	5.59		0.91	2.67	1.22			25
5410	HUSTLER 320-72" 22 HP D	10,302	4.74		0.82	2.42	0.84			24
5415	HUSTLER 340-72" 28 HP D	11,080	5.31		0.88	2.60	1.07			24
5420	HUSTLER 400-72" 44 HP G	10,077	7.60		0.80	2.36	3.21			24
	TORO									
5430	MOD 20624 21" REAR BAGGER-PUSH 4 HP G	664	0.60		0.06	0.16	0.29			1
5435	MOD 725 21" REAR BAG-ENG.RIDER 7 HP G	1,232	1.06		0.09	0.25	0.51			3
5440	MOD1132 32" RIDER 11 HP G	1,643	1.58		0.13	0.36	0.80			4
5445	MOD1142 42" LAWN TRACTOR 11 HP G	2,502	1.89		0.19	0.56	0.80			5

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LAWNMOWERS (CONT'D) **********									
	TORO (CONT'D)									
5450	MOD 117 52" GROUNDMASTER 17 HP G	6,661	3.93		0.53	1.56	1.24			9
5455	MOD 217D 62" GROUNDMASTER 17 HP D	10,917	4.73		0.87	2.56	0.65			13
5460	MOD 220 62" GROUNDMASTER 20 HP G	9,360	5.17		0.74	2.19	1.46			11
5465	MOD 327 72" GROUNDMASTER 27 HP G	12,733	7.01		1.01	2.99	1.97			17
5470	MOD 322D 72" GROUNDMASTER 22 HP D	13,503	5.89		1.08	3.18	0.84			14
	LIGHTING SETS, TRAILER MOUNTED **********									
	ALLMAND METALLIC VAPOR									
5485	MAXI-LITE III 4/1000W 15 HP D	14,363	4.63		0.70	1.66	0.61			29
	AMIDA METALLIC VAPOR									
5495	MOD 5000 3.0KW 2/1000W W GENERATO 6 HP G	10,370	3.35		0.50	1.18	0.46			2
5500	MOD 5000 4.0KW 2/1000W W GENERATO 10 HP D	8,991	2.91		0.43	1.02	0.40			2
5505	MOD 5000 6.5KW 4/1000W W GENERATO 14 HP G	11,248	4.36		0.54	1.28	1.08			3
5510	MOD 5000 8.0KW 4/1000W W GENERATO 15 HP D	12,945	4.25		0.63	1.49	0.61			3
	OVER-LOWE METALLIC VAPOR									
5520	TM 352 2/1000W 3 KW 6 HP D	11,366	3.36		0.55	1.30	0.24			17
5525	TM 354 4/1000W 6 KW 12 HP D	15,020	4.65		0.73	1.73	0.49			22
5530	TM 356 6/1000W 8 KW 15 HP D	17,674	5.53		0.86	2.05	0.61			24

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, BELT ********** KOLMAN									
5545	101XHD 24"X50' 355 T/HR 28 HP D	34,201	7.84	10.30	1.49	3.39	0.86	4.04	1.13	116
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5555	PLATE FEEDER DOZER TRAP MODEL 45	7,436	1.31	1.69	0.33	0.77	0.00	0.93	0.00	37
5560	BELT FEEDER DOZER TRAP MODEL 3 HP D	9,938	1.89	2.39	0.45	1.04	0.09	1.23	0.12	36
5565	WING WALLS STATIONARY	1,451	0.26	0.33	0.07	0.15	0.00	0.18	0.00	9
5570	TUNNEL EXTENSION W/BACKBOARDS	7,344	1.30	1.67	0.33	0.76	0.00	0.92	0.00	61
5575	SINGLE DECK SCREEN SB-70 7'X42	4,257	0.76	0.96	0.20	0.45	0.00	0.53	0.00	19
5580	DOUBLE DECK SCREEN DC-70-42 7'X42	6,334	1.12	1.43	0.29	0.66	0.00	0.79	0.00	27
5585	TRIPLE DECK SCREEN TC-70-42 7'X42	9,150	1.62	2.07	0.41	0.95	0.00	1.14	0.00	34
5590	XHD CONVEYOR JACKLEG	1,281	0.22	0.29	0.06	0.13	0.00	0.16	0.00	9
5595	101XHD 30"X50' 615 T/HR 42 HP D	37,942	9.20	12.15	1.64	3.75	1.29	4.47	1.70	135
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5605	PLATE FEEDER DOZER TRAP MODEL 45	8,694	1.55	1.96	0.39	0.91	0.00	1.08	0.00	42
5610	BELT FEEDER DOZER TRAP MODEL 3 HP D	10,620	2.00	2.55	0.47	1.10	0.09	1.32	0.12	40
5615	WING WALLS STATIONARY	1,451	0.26	0.33	0.07	0.15	0.00	0.18	0.00	9
5620	TUNNEL EXTENSION W/BACKBOARDS	7,344	1.30	1.67	0.33	0.76	0.00	0.92	0.00	61
5625	SINGLE DECK SCREEN SB-80 8'X48	5,343	0.94	1.21	0.24	0.55	0.00	0.67	0.00	23
5630	DOUBLE DECK SCREEN DC-80-48 8'X48	7,499	1.33	1.69	0.34	0.78	0.00	0.93	0.00	35
5635	TRIPLE DECK SCREEN TC-80-48 8'X48	10,289	1.81	2.33	0.45	1.06	0.00	1.28	0.00	43
5640	XHD CONVEYOR JACKLEG	1,281	0.22	0.29	0.06	0.13	0.00	0.16	0.00	9
5645	101XHD 36"X50' 910 T/HR 56 HP D	43,089	10.94	14.50	1.86	4.22	1.72	5.03	2.27	160
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5655	PLATE FEEDER DOZER TRAP MODEL 45	9,191	1.63	2.07	0.41	0.96	0.00	1.14	0.00	45
5660	BELT FEEDER DOZER TRAP MODEL 5 HP D	11,469	2.22	2.85	0.51	1.19	0.15	1.42	0.20	42
5665	WING WALLS STATIONARY	1,451	0.26	0.33	0.07	0.15	0.00	0.18	0.00	9
5670	TUNNEL EXTENSION W/BACKBOARDS	7,344	1.30	1.67	0.33	0.76	0.00	0.92	0.00	61
5675	SINGLE DECK SCREEN SB-90 9'X54	5,950	1.06	1.34	0.27	0.62	0.00	0.74	0.00	28

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	OWT
	LOADERS, BELT (CONT'D) **********									
	KOLMAN (CONT'D)									
5680	DOUBLE DECK SCREEN DC-90-54 9'X54	8,406	1.49	1.89	0.38	0.88	0.00	1.04	0.00	43
5685	TRIPLE DECK SCREEN TC-90-54 9'X54	12,464	2.21	2.82	0.56	1.30	0.00	1.55	0.00	54
5690	XHD CONVEYOR JACKLEG	1,281	0.22	0.29	0.06	0.13	0.00	0.16	0.00	9
5695	101XHD 42"X50' 1260 T/HR 84 HP D	55,789	14.74	19.55	2.40	5.45	2.59	6.49	3.40	180
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5705	PLATE FEEDER DOZER TRAP MODEL 45	11,275	1.99	2.56	0.50	1.17	0.00	1.41	0.00	48
5710	BELT FEEDER DOZER TRAP MODEL 5 HP D	14,696	2.78	3.57	0.65	1.52	0.15	1.82	0.20	45
5715	WING WALLS STATIONARY	1,451	0.26	0.33	0.07	0.15	0.00	0.18	0.00	9
5720	TUNNEL EXTENSION W/BACKBOARDS	7,344	1.30	1.67	0.33	0.76	0.00	0.92	0.00	61
5725	SINGLE DECK SCREEN SB-100 60"X10'	7,741	1.37	1.76	0.34	0.80	0.00	0.97	0.00	37
5730	DOUBLE DECK SCREEN DC-100 60"X10'	9,921	1.77	2.24	0.45	1.04	0.00	1.23	0.00	55
5735	XHD CONVEYOR JACKLEG	1,281	0.22	0.29	0.06	0.13	0.00	0.16	0.00	9
5740	101XHD 48"X50' 1700 T/HR 128 HP D	95,795	23.12	30.11	4.19	9.64	3.94	11.51	5.18	265
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5750	PLATE FEEDER DOZER TRAP MODEL 45	13,816	2.44	3.12	0.61	1.43	0.00	1.72	0.00	51
5755	WING WALLS STATIONARY	1,451	0.26	0.33	0.07	0.15	0.00	0.18	0.00	9
5760	TUNNEL EXTENSION W/BACKBOARDS	7,401	1.31	1.67	0.33	0.77	0.00	0.92	0.00	66
5765	SINGLE DECK SCREEN SB-120 60"X12'	11,259	1.99	2.54	0.50	1.17	0.00	1.40	0.00	53
5770	DOUBLE DECK SCREEN DC-120 60"X12'	16,528	2.93	3.74	0.74	1.72	0.00	2.06	0.00	77
5775	TRIPLE DECK SCREEN TC-120 60"X12'	23,200	4.11	5.25	1.03	2.41	0.00	2.89	0.00	80
5780	XHD CONVEYOR JACKLEG	1,281	0.22	0.29	0.06	0.13	0.00	0.16	0.00	9
5785	303 48"X50' 2000 CY/HR 125 HP D	176,998	40.77	54.05	7.64	17.41	3.85	20.77	5.06	627
5790	303 48"X60' 2000 CY/HR 185 HP D	196,709	46.70	61.79	8.51	19.44	5.69	23.20	7.49	662
5795	303 60"X50' 3600 CY/HR 185 HP D	203,223	49.72	66.46	8.72	19.80	5.69	23.61	7.49	682
5800	303 60"X60' 3600 CY/HR 290 HP D	233,775	60.51	80.91	10.03	22.76	8.93	27.15	11.74	737
5805	404 48"X50' 2000 CY/HR 185 HP D	218,232	50.41	66.47	9.47	21.69	5.69	25.89	7.49	616
5810	404 48"X60' 2000 CY/HR 185 HP D	230,587	52.69	69.45	10.02	22.96	5.69	27.42	7.49	650

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, BELT (CONT'D) **********									
	KOLMAN (CONT'D)									
5815	404 60"X50' 3600 CY/HR 290 HP D	261,452	64.17	85.06	11.31	25.84	8.93	30.85	11.74	671
5820	404 60"X60' 3600 CY/HR 290 HP D	289,152	70.32	93.42	12.50	28.52	8.93	34.03	11.74	724
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5830	SINGLE DECK SCREEN SB-120 72"X12'	16,717	2.95	3.77	0.74	1.73	0.00	2.07	0.00	58
5835	DOUBLE DECK SCREEN DC-120 72"X12'	22,016	3.89	4.98	0.98	2.28	0.00	2.74	0.00	85
5840	TRIPLE DECK SCREEN TC-120 72"X12'	25,168	4.45	5.69	1.12	2.61	0.00	3.13	0.00	90
5845	SINGLE DECK VIBRATING GRIZZLE 72"W	25,256	4.48	5.71	1.13	2.63	0.00	3.14	0.00	89
	LOADERS, FRONT END, CRAWLER TYPE **********									
	CASE									
5860	455 C 1 CY 63 HP D	62,461	15.66	19.74	2.78	6.50	2.09	7.78	2.76	150
5865	855 C 1-1/2 CY 78 HP D	68,837	17.65	22.26	3.07	7.17	2.59	8.57	3.41	216
5870	1155 D 1-3/4 CY 110 HP D	92,605	23.97	30.25	4.13	9.64	3.65	11.53	4.81	282
5875	1455 B 2-1/4 CY 140 HP D	108,320	28.57	36.07	4.83	11.28	4.65	13.49	6.12	360
	CATERPILLAR									
5885	931B 1 CY 65 HP D	44,173	12.01	15.19	1.97	4.60	2.16	5.51	2.84	160
5890	931B LGP 1 CY 65 HP D	48,841	12.97	16.38	2.18	5.09	2.16	6.09	2.84	177
5895	943 1-1/2 CY 80 HP D	87,226	21.51	27.08	3.89	9.09	2.66	10.87	3.50	257
5900	943B LGP 1-1/2 CY 80 HP D	89,673	22.01	27.70	4.00	9.34	2.66	11.17	3.50	259
5905	953 2 CY 110 HP D	109,639	27.46	34.60	4.89	11.42	3.65	13.66	4.81	300
5910	953B LGP 2 CY 110 HP D	113,346	28.21	35.55	5.05	11.80	3.65	14.12	4.81	308
5915	963 2-1/2 CY 150 HP D	143,273	36.17	45.59	6.39	14.92	4.98	17.85	6.56	399
5920	963B LGP 2-1/2 CY 150 HP D	147,098	36.95	46.56	6.56	15.32	4.98	18.32	6.56	407
5925	973 3-3/4 CY 210 HP D	203,217	51.17	64.50	9.06	21.16	6.97	25.31	9.19	540
5930	973B LGP 3-3/4 CY 210 HP D	208,538	52.26	65.86	9.29	21.71	6.97	25.98	9.19	558

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., CRAWLER TYPE (CONT'D) **********												
		FIAT-ALLIS											
5940	FL5	1 CY	63 HP	D	47,662	12.64	15.97	2.13	4.97	2.09	5.94	2.76	165
5945	FL7	1-1/4 CY	78 HP	D	57,757	15.39	19.43	2.58	6.02	2.59	7.19	3.41	198
5950	FL9	1-5/8 CY	87 HP	D	67,274	17.74	22.42	3.00	7.00	2.89	8.38	3.81	252
5955	FL10C	2 CY	122 HP	D	89,820	23.95	30.28	4.00	9.35	4.05	11.19	5.34	300
5960	FL14C	2-5/8 CY	150 HP	D	119,977	31.40	39.65	5.34	12.49	4.98	14.95	6.56	410
5965	FL20	3-1/2 CY	223 HP	D	173,845	45.77	57.80	7.75	18.11	7.41	21.66	9.75	585
		INTERNATIONAL											
5975	100-E	1-1/8 CY	65 HP	D	52,693	13.75	17.35	2.35	5.48	2.16	6.56	2.84	161
5980	125-E	1-3/8 CY	78 HP	D	67,190	17.31	21.85	3.00	7.00	2.59	8.37	3.41	199
5985	175-C	2 CY	130 HP	D	104,794	27.39	34.57	4.67	10.91	4.32	13.05	5.69	338
5990	250-C	2-3/4 CY	190 HP	D	154,244	40.25	50.81	6.87	16.06	6.31	19.22	8.31	452
		JOHN DEERE											
6000	JD350-C	3/4 CY	42 HP	D	38,733	9.85	12.42	1.73	4.04	1.39	4.83	1.84	119
6005	JD455-E	1-1/4 CY	70 HP	D	50,673	13.55	17.14	2.26	5.27	2.32	6.31	3.06	172
6010	JD555-B	1-3/8 CY	78 HP	D	62,833	16.42	20.74	2.80	6.54	2.59	7.83	3.41	188
6015	JD655-B	2 CY	120 HP	D	92,474	24.41	30.82	4.13	9.63	3.99	11.52	5.25	324
6020	JD755-B	2-1/4 CY	140 HP	D	107,872	28.48	35.96	4.81	11.24	4.65	13.44	6.12	355
6025	JD855	2-3/4 CY	200 HP	D	160,958	42.07	53.13	7.18	16.76	6.64	20.06	8.75	460
		KOMATSU											
6035	D31S-17	1.3 CY	66 HP	D	47,249	12.68	16.04	2.11	4.92	2.19	5.89	2.89	156
6040	D41S-3	1.6 CY	90 HP	D	67,586	17.95	22.68	3.01	7.04	2.99	8.42	3.94	262
6045	D53S-16	1.8 CY	110 HP	D	86,698	22.77	28.75	3.86	9.03	3.65	10.80	4.81	300
6050	D57S-1	2.1 CY	135 HP	D	110,175	28.71	36.24	4.91	11.47	4.48	13.73	5.90	340
6055	D66S-1	2.6 CY	160 HP	D	132,163	34.36	43.37	5.90	13.77	5.31	16.47	7.00	418
6060	D75S-3	3.3 CY	200 HP	D	160,048	41.89	52.89	7.14	16.67	6.64	19.94	8.75	485

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., CRAWLER TYPE (CONT'D) **********									
	KOMATSU (CONT'D)									
6065	D155S-1 5.9 CY 350 HP D	315,333	80.51	101.55	14.05	32.83	11.62	39.28	15.31	950
	LOADERS, FRONT END, WHEEL TYPE ********** (ARTIC = ARTICULATED)									
	BOBCAT/MELROE									
6080	MOD 440 6 CWT. SKID STEER 16 HP G	8,950	2.72	3.54	0.39	0.87	0.95	1.03	1.24	21
6085	MOD 443 6 CWT. SKID STEER 15 HP D	10,727	2.39	3.12	0.46	1.04	0.46	1.25	0.61	24
6090	MOD 540 8 CWT. SKID STEER 23 HP G	12,143	3.76	4.85	0.53	1.19	1.37	1.42	1.78	31
6095	MOD 543 8 CWT. SKID STEER 22 HP D	13,646	3.15	4.06	0.60	1.34	0.68	1.60	0.89	33
6100	MOD 641 10 CWT. SKID STEER 28 HP D	16,096	3.80	4.89	0.70	1.58	0.86	1.88	1.13	39
6105	MOD 642 10 CWT. SKID STEER 32 HP G	14,843	4.89	6.31	0.65	1.46	1.90	1.74	2.48	38
6110	MOD 742 13 CWT. SKID STEER 34 HP G	17,095	5.41	6.95	0.75	1.69	2.02	2.01	2.63	45
6115	MOD 743 13 CWT. SKID STEER 36 HP D	18,323	4.51	5.79	0.81	1.81	1.11	2.15	1.46	46
6120	MOD 843 17 CWT. SKID STEER 54 HP D	23,595	6.28	8.22	1.02	2.27	1.66	2.71	2.19	63
6125	MOD 943 24 CWT. SKID STEER 69 HP D	29,327	7.86	10.25	1.27	2.84	2.12	3.38	2.79	88
6130	MOD 974 37 CWT. SKID STEER 78 HP D	43,379	10.96	14.64	1.85	4.08	2.40	4.84	3.16	121
6135	MOD 975 37 CWT. SKID STEER 82 HP D	43,877	11.19	14.96	1.87	4.12	2.52	4.90	3.32	122
	CASE									
6145	W-4 1/2 CY ARTIC 37 HP D	26,107	5.85	7.54	1.14	2.56	1.14	3.04	1.50	48
6150	W-11 B 1 CY ARTIC 66 HP D	46,303	10.57	13.81	2.00	4.47	2.03	5.32	2.67	118
6155	W-14 1-1/2 CY ARTIC 83 HP D	63,107	14.10	18.45	2.73	6.09	2.55	7.25	3.36	146
6160	W-20 C 2 CY ARTIC 110 HP D	86,556	19.62	26.03	3.71	8.21	3.39	9.76	4.45	230
6165	W-30 3 CY ARTIC 153 HP D	109,540	25.09	32.98	4.73	10.51	4.71	12.49	6.20	290
6170	W-36 4 CY ARTIC 185 HP D	140,332	31.96	42.29	6.02	13.35	5.69	15.87	7.49	398

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., WHEEL TYPE (CONT'D) **********									
	CATERPILLAR									
6180	910 1-1/4 CY ARTIC 65 HP D	49,578	11.15	14.65	2.14	4.76	2.00	5.66	2.63	145
6185	IT12 (INTEGRATED TOOL CARRIER) 65 HP D	58,906	12.60	16.46	2.55	5.68	2.00	6.77	2.63	172
6190	916 1-1/2 CY ARTIC 85 HP D	71,490	15.51	20.19	3.10	6.92	2.62	8.23	3.44	183
6195	IT18 (INTEGRATED TOOL CARRIER) 85 HP D	76,630	16.32	21.19	3.33	7.44	2.62	8.85	3.44	204
6200	920 1-3/4 CY ARTIC 80 HP D	72,732	15.48	20.15	3.16	7.05	2.46	8.39	3.24	186
6205	926 2 CY ARTIC 105 HP D	81,633	17.96	23.31	3.54	7.93	3.23	9.44	4.25	198
6210	IT28 (INTEGRATED TOOL CARRIER) 105 HP D	87,158	18.82	24.39	3.79	8.48	3.23	10.10	4.25	231
6215	930 2-1/4 CY ARTIC 100 HP D	83,310	18.16	23.66	3.61	8.06	3.08	9.58	4.05	212
6220	936 2-1/2 CY ARTIC 125 HP D	102,685	22.28	28.88	4.46	9.99	3.85	11.89	5.06	261
6225	950-B 3 CY ARTIC 155 HP D	133,200	28.86	37.69	5.77	12.86	4.77	15.30	6.28	328
6230	966-D 4 CY ARTIC 200 HP D	184,238	39.57	51.90	7.95	17.70	6.16	21.06	8.10	441
6235	980-C 5-1/4 CY ARTIC 270 HP D	249,564	50.64	66.51	9.96	22.27	8.31	25.66	10.93	601
6240	988-B 7 CY ARTIC 375 HP D	360,511	71.17	93.21	14.27	31.65	11.54	36.44	15.19	892
6245	992-C 13-1/2 CY ARTIC 690 HP D	736,402	144.88	192.35	28.87	63.59	21.24	73.17	27.94	1928
	CLARK/MICHIGAN									
6255	35C 1-1/2 CY 85 HP D	63,251	14.16	18.45	2.74	6.12	2.62	7.28	3.44	180
6260	45C 2 CY 110 HP D	74,119	17.01	22.13	3.21	7.18	3.39	8.55	4.45	206
6265	55C 2-1/2 CY ARTIC 121 HP D	86,407	19.55	25.48	3.75	8.37	3.72	9.95	4.90	262
6270	75C 3 CY ARTIC 154 HP D	125,935	27.87	36.65	5.43	12.07	4.74	14.36	6.24	313
6275	125C 4 CY ARTIC 203 HP D	169,508	37.71	49.90	7.28	16.13	6.25	19.18	8.22	437
6280	175C 5 CY ARTIC 279 HP D	231,016	48.41	63.87	9.21	20.54	8.59	23.66	11.30	565
6285	275C 7 CY ARTIC 360 HP D	339,828	66.44	86.07	13.54	30.20	11.08	34.79	14.58	864
6290	475C 12 CY ARTIC 612 HP D	637,803	124.61	163.97	25.16	55.68	18.84	64.09	24.79	1689

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., WHEEL TYPE (CONT'D) **********												
	FIAT-ALLIS												
6300	FR-07	1-1/3 CY ARTIC	70 HP	D	48,594	11.16	14.65	2.10	4.67	2.15	5.56	2.83	145
6305	345-B	1-1/2 CY ARTIC	80 HP	D	56,385	12.82	16.74	2.44	5.45	2.46	6.48	3.24	151
6310	FR-10	2-1/4 CY ARTIC	110 HP	D	71,687	16.54	21.44	3.12	6.98	3.39	8.30	4.45	212
6315	FR-12	2-1/2 CY ARTIC	127 HP	D	78,785	18.62	24.34	3.41	7.60	3.91	9.05	5.14	230
6320	FR-15	3 CY ARTIC	164 HP	D	111,209	26.10	34.53	4.78	10.58	5.05	12.58	6.64	296
6325	FR-20	4-1/2 CY ARTIC	223 HP	D	171,412	38.87	51.42	7.36	16.32	6.86	19.40	9.03	445
6330	FR-30	5-1/4 CY ARTIC	275 HP	D	226,925	47.66	62.96	9.04	20.15	8.46	23.21	11.14	605
6335	FR-35	7 CY ARTIC	350 HP	D	277,684	57.28	75.05	10.98	24.36	10.77	28.05	14.17	755
	FORD												
6345	340B	16 CF	48 HP	D	22,644	5.95	7.87	0.97	2.15	1.48	2.55	1.94	66
6350	445A	3/4 CY	48 HP	D	26,350	6.52	8.59	1.13	2.51	1.48	2.99	1.94	73
6355	545A	3/4 CY	60 HP	D	29,720	7.58	9.94	1.28	2.85	1.85	3.40	2.43	75
6360	555B	1 CY	63 HP	D	65,553	13.43	17.37	2.85	6.37	1.94	7.59	2.55	173
	INTERNATIONAL/DRESSER												
6370	510B	1-3/8 CY	80 HP	D	56,212	12.83	16.80	2.43	5.41	2.46	6.45	3.24	140
6375	515B	1-5/8 CY	100 HP	D	69,147	15.78	20.60	2.99	6.68	3.08	7.96	4.05	167
6380	520B	2-1/4 CY ARTIC	120 HP	D	80,560	18.59	24.29	3.49	7.78	3.69	9.26	4.86	232
6385	530	2-3/4 CY ARTIC	155 HP	D	117,035	26.33	34.55	5.06	11.25	4.77	13.38	6.28	291
6390	540	3-3/4 CY ARTIC	189 HP	D	162,426	35.88	47.47	6.98	15.47	5.82	18.38	7.65	360
6395	550	5-1/4 CY ARTIC	209 HP	D	230,141	49.37	66.34	9.79	21.55	6.43	25.59	8.46	544
6400	560B	7-1/2 CY ARTIC	415 HP	D	339,297	68.56	88.89	13.52	30.15	12.77	34.74	16.81	830
6405	570	12 CY ARTIC	590 HP	D	633,111	120.97	157.05	25.19	56.11	18.16	64.62	23.89	1350
	JOHN DEERE												
6415	300B	3/4 CY	43 HP	D	24,040	5.87	7.65	1.04	2.31	1.32	2.75	1.74	69
6420	444C	1-1/2 CY	85 HP	D	64,524	14.36	18.69	2.80	6.25	2.62	7.43	3.44	179

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT					VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., WHEEL TYPE (CONT'D) **********													
	JOHN DEERE (CONT'D)													
6425	544C	2	CY ARTIC	105 HP	D	78,185	17.33	22.42	3.41	7.63	3.23	9.07	4.25	197
6430	644C	3	CY ARTIC	145 HP	D	112,354	25.04	32.78	4.86	10.83	4.46	12.88	5.87	260
6435	844	4-1/2	CY ARTIC	260 HP	D	208,196	44.42	59.01	8.27	18.39	8.00	21.18	10.53	490
	KAWASAKI													
6445	KSS-65Z	2.2	CY	104 HP	D	68,146	15.95	20.95	2.94	6.54	3.20	7.78	4.21	225
6450	KSS-70	3.0	CY	158 HP	D	95,473	23.10	30.53	4.11	9.10	4.86	10.82	6.40	305
6455	KSS-80ZII	3.5	CY	165 HP	D	102,258	24.54	32.38	4.40	9.76	5.08	11.60	6.68	327
6460	KSS-85ZII	4.0	CY	217 HP	D	138,809	33.22	44.05	5.95	13.17	6.68	15.66	8.79	409
6465	KSS-95ZII	5.5	CY	305 HP	D	192,913	43.63	57.85	7.66	17.06	9.39	19.66	12.35	615
6470	KSS-110Z	7.5	CY	383 HP	D	302,926	63.38	83.89	11.90	26.24	11.79	30.19	15.51	864
	MASSEY FERGUSON													
6480	MF 30E	3/4	CY	48 HP	D	28,007	6.64	8.59	1.21	2.72	1.48	3.24	1.94	69
6485	MF 50E	3/4	CY	65 HP	D	30,507	7.83	10.19	1.32	2.95	2.00	3.52	2.63	80
6490	MF 50HX	1	CY	72 HP	D	33,876	8.90	11.74	1.45	3.21	2.22	3.81	2.92	96
	TEREX (GM)													
6500	33C	2	CY	103 HP	D	67,770	15.86	20.82	2.93	6.51	3.17	7.74	4.17	216
6505	44D	2-1/2	CY	123 HP	D	79,143	18.51	24.17	3.43	7.64	3.79	9.08	4.98	250
6510	55C	3-1/4	CY	144 HP	D	109,630	24.77	32.61	4.72	10.49	4.43	12.48	5.83	280
6515	60C	3-1/2	CY	168 HP	D	117,507	27.05	35.52	5.07	11.28	5.17	13.42	6.80	309
6520	66C	4	CY	210 HP	D	152,362	34.97	46.18	6.55	14.54	6.46	17.28	8.50	425
6525	70C	4-1/2	CY	247 HP	D	170,935	36.16	46.62	6.89	15.51	7.60	17.88	10.00	433
6530	80C	5-1/2	CY	307 HP	D	231,030	49.52	65.34	9.21	20.54	9.45	23.66	12.43	590
6535	90C	7-1/2	CY	460 HP	D	346,314	72.58	95.28	13.69	30.32	14.16	34.90	18.63	989

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., WHEEL TYPE (CONT'D) **********									
	TROJAN									
6545	1500Z 1-3/4 CY ARTIC 93 HP D	61,772	14.48	19.08	2.66	5.91	2.86	7.02	3.77	180
6550	1900Z 2-1/2 CY ARTIC 119 HP G	78,158	22.31	29.07	3.38	7.54	7.07	8.97	9.21	220
6555	2000Z 3 CY ARTIC 160 HP D	104,094	24.53	32.33	4.49	9.96	4.92	11.85	6.48	306
6560	3500Z 3-3/4 CY ARTIC 185 HP D	120,848	29.32	39.41	5.13	11.28	5.69	13.39	7.49	380
6565	5500 5-1/2 CY ARTIC 285 HP D	228,708	48.61	64.44	9.09	20.24	8.77	23.31	11.54	616
6570	7500 7 CY ARTIC 400 HP D	301,675	62.66	81.75	11.97	26.62	12.31	30.66	16.20	846
	LOADER/BACKHOE, WHEEL TYPE TRACTOR **********									
	CASE									
6585	480D LDR/BHOE 7/8 CY FE BUCKET 24" B/H DIPPER 47 HP D	38,113	8.38	10.62	1.65	3.69	1.45	4.39	1.90	100
6590	580E LDR/BHOE 1.0 CY FE BUCKET 24" B/H DIPPER 63 HP D	47,235	10.53	13.34	2.06	4.61	1.94	5.48	2.55	118
6595	680H LDR/BHOE 1-1/4 CY FE BUCKET 30" B/H DIPPER 80 HP D	75,689	16.01	20.26	3.29	7.38	2.46	8.78	3.24	165
6600	780B LDR/BHOE 1-3/4 CY FE BUCKET 30" B/H DIPPER 111 HP D	87,364	19.29	24.45	3.79	8.48	3.42	10.09	4.50	210
	JOHN DEERE									
6610	310B LDR/BH 3/4 CY FE BUCKET 24" B/H DIPPER 58 HP D	41,871	9.48	12.02	1.82	4.06	1.79	4.83	2.35	135
6615	410B LDR/BH 1 CY FE BUCKET 24" B/H DIPPER 62 HP D	49,757	10.95	13.90	2.16	4.83	1.91	5.75	2.51	138
6620	510B LDR/BHOE 1-1/8 CY FE BUCKET 24" B/H DIPPER 70 HP D	57,712	12.65	16.05	2.50	5.59	2.15	6.65	2.83	150
6625	610B LDR/BH 1-1/3 CY FE BUCKET 24" B/H DIPPER 80 HP D	66,077	14.44	18.29	2.88	6.43	2.46	7.64	3.24	163
6630	710B LDR/BHOE 1-1/2 CY FE BUCKET 30" B/H DIPPER 100 HP D	79,444	17.63	22.39	3.44	7.66	3.08	9.11	4.05	220

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	LOADER/BH, WHL. TYPE TRACTOR (CONT'D) **********									
	FORD									
6640	340B LDR/BH 16 CF FE BUCKET 48 HP D 24" B/H DIPPER	34,042	7.76	9.88	1.47	3.28	1.48	3.91	1.94	103
6645	445A LDR/BH 3/4 CY FE BUCKET 48 HP D 24" B/H DIPPER	37,793	8.37	10.64	1.63	3.65	1.48	4.35	1.94	114
6650	545A LDR/BH 3/4 CY FE BUCKET 60 HP D 24" B/H DIPPER	40,228	9.27	11.79	1.75	3.90	1.85	4.64	2.43	119
6655	555B LDR/BH 1 CY FE BUCKET 63 HP D 24" B/H DIPPER	45,044	10.29	13.10	1.95	4.33	1.94	5.16	2.55	135
6660	655A LDR/BH 1 CY FE BUCKET 72 HP D 24" B/H DIPPER	50,210	11.51	14.63	2.17	4.85	2.22	5.77	2.92	149
6665	755A LDR/BH 1 1/2 CY FE BUCKET 100 HP D 24" B/H DIPPER	71,368	16.11	20.45	3.10	6.95	3.08	8.28	4.05	167
	MASSEY FERGUSON									
6675	MF 30E LDR/BH 3/4 CY FE BUCKET 48 HP D 24" B/H DIPPER	38,649	8.43	10.65	1.69	3.79	1.48	4.51	1.94	107
6680	MF 50E LDR/BH 1 CY FE BUCKET 65 HP D 24" B/H DIPPER	43,939	10.02	12.71	1.91	4.29	2.00	5.11	2.63	120
6685	MF 50HX LDR/BH 1 CY FE BUCKET 72 HP D 24" B/H DIPPER	46,454	10.90	13.86	2.01	4.47	2.22	5.31	2.92	129
	LOADER/BACKHOE, CRLR TYPE TRACTOR **********									
	CASE									
6700	455C LDR/BHOE 1 CY FE BUCKET 63 HP D 24" B/H DIPPER	73,528	17.93	22.56	3.28	7.66	2.09	9.16	2.76	191
6705	855C LDR/BHOE 1 1/2 CY FE BUCKET 78 HP D 24" B/H DIPPER	81,702	20.28	25.55	3.64	8.51	2.59	10.18	3.41	245
	CATERPILLAR									
6715	931BLDR/BHOE 1 CY FE BUCKET 65 HP D 30" B/H DIPPER	57,333	14.70	18.54	2.56	5.97	2.16	7.14	2.84	207

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADER/BACKHOE ATTACHMENTS ********** HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE OR HYDRAULIC EXCAVATOR (ADD TO THE BASIC LOADER-BACKHOE OR EXCAVATOR)									
6725	KENT RAM 555 W/NARROW CHISEL	5,412	1.89		0.29	0.72	0.00			6
6730	KENT RAM 999 W/NARROW CHISEL	11,211	3.93		0.62	1.51	0.00			10
6735	KENT RAM 2600 W/CHISEL-MIN 3/4CY B/H	22,607	7.78		1.24	3.03	0.00			22
6740	KENT KHP-12 HYDRA-PAK TAMPER	5,445	1.64		0.30	0.73	0.00			9
6745	KENT KHP225 HYDRA-PAK MIN 3/4CY B/H	8,537	2.55		0.47	1.14	0.00			15
	PILE EXTRACTORS **********									
	VULCAN									
6760	400A 500 FT-LBS 450CFM A	19,130	5.17		1.05	2.57	0.00			30
6765	800A 1000 FT-LBS 900CFM A	25,022	6.91		1.37	3.36	0.00			57
6770	1200A 1640 FT-LBS 1350CFM A	29,538	8.36		1.62	3.97	0.00			97
	PILE HAMMERS, DIESEL ********** (FUEL NOT INCLUDED)									
	MKT CORPORATION									
6785	DE-30B/20B (6-FT) 12,000 FT-LBS	44,952	11.84		2.47	6.04	0.00			64
6790	DE-30B/20B (6-FT) 16,800 FT-LBS	46,468	12.22		2.55	6.24	0.00			72
6795	DE-70B/50B (6-FT) 30,000 FT-LBS	72,371	19.04		3.98	9.72	0.00			127
6800	DE-70B/50B (6-FT) 42,000 FT-LBS	75,774	20.02		4.17	10.18	0.00			148
	PILE HAMMERS, SINGLE ACTING **********									
	VULCAN									
6815	1 15000 FT-LBS 750CFM A	36,146	9.71		1.99	4.86	0.00			101
6820	06 19500 FT-LBS 900CFM A	42,781	11.47		2.35	5.75	0.00			121
6825	08 26000 FT-LBS 1100CFM A	48,815	13.11		2.68	6.56	0.00			175
6830	010 32500 FT-LBS 1350CFM A	52,492	14.19		2.88	7.05	0.00			195

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	PILE HAMMERS, SINGLE ACTING (CONT'D) **********									
	VULCAN (CONT'D)									
6835	012 39000 FT-LBS 1500CFM A	62,385	16.64		3.43	8.39	0.00			287
6840	014 42000 FT-LBS 1750CFM A	74,998	20.15		4.12	10.07	0.00			283
6845	016 48750 FT-LBS 1750CFM A	84,946	22.71		4.67	11.41	0.00			320
6850	020 60000 FT-LBS 2150CFM A	111,262	29.67		6.12	14.95	0.00			425
6855	030 90000 FT-LBS 2350CFM A	127,174	33.86		6.99	17.09	0.00			575
	PILE HAMMERS, DOUBLE ACTING **********									
	I.C.E									
6870	180 8100 FT-LBS 23 HP D	28,747	8.30		1.58	3.86	0.71			54
6875	440 18100 FT-LBS 50 HP D	60,553	17.54		3.32	8.13	1.54			130
6880	520 30000 FT-LBS 76 HP D	70,185	21.08		3.86	9.43	2.34			156
6885	640 40000 FT-LBS 90 HP D	73,931	22.60		4.06	9.93	2.77			186
6890	660 50000 FT-LBS 133 HP D	99,828	30.98		5.48	13.41	4.09			309
6895	1070 70000 FT-LBS 136 HP D	118,764	35.97		6.53	15.96	4.19			252
	MITSUBISHI									
6905	MH-15 16300 FT-LBS 45 HP D	65,347	18.90		3.59	8.78	1.39			95
6910	MH-25 27500 FT-LBS 79 HP D	79,739	24.12		4.38	10.71	2.43			147
6915	MH-35 38600 FT-LBS 116 HP D	99,498	30.79		5.47	13.37	3.57			205
6920	MH-45 50200 FT-LBS 129 HP D	127,311	38.55		6.99	17.10	3.97			271
6925	MH-72 LAND 79500 FT-LBS 216 HP D	237,329	70.89		13.03	31.88	6.65			456
6930	MH-80 OFFSHORE 88000 FT-LBS 268 HP D	273,172	82.49		15.00	36.70	8.25			456
	MKT CORPORATION									
6940	9-B-3 8750 FT-LBS 900CFM A	35,375	9.57		1.95	4.76	0.00			72
6945	10-B-3 13100 FT-LBS 1200CFM A	37,738	10.32		2.07	5.07	0.00			111
6950	11-B-3 19150 FT-LBS 1200CFM A	50,356	13.55		2.76	6.76	0.00			141
6955	5 (SELF STOP) 1000 FT-LBS 375CFM A	12,804	3.53		0.70	1.72	0.00			17

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	PILE HAMMERS, DOUBLE ACTING (CONT'D) **********									
	MKT CORPORATION (CONT'D)									
6960	6 (SELF STOP) 2500 FT-LBS 600CFM A	16,216	4.50		0.89	2.18	0.00			31
6965	7 (SELF STOP) 4150 FT-LBS 750CFM A	20,266	5.64		1.12	2.73	0.00			50
	VULCAN									
6975	50C 15100 FT-LBS 1250CFM A	48,936	13.21		2.69	6.57	0.00			153
6980	65C 19200 FT-LBS 1450CFM A	55,998	15.14		3.07	7.52	0.00			153
6985	80C 24450 FT-LBS 1750CFM A	60,163	16.35		3.30	8.08	0.00			184
6990	100C 32900 FT-LBS 2050CFM A	73,726	20.01		4.05	9.91	0.00			232
6995	140C 36000 FT-LBS 2150CFM A	91,101	24.51		5.00	12.24	0.00			287
7000	200C 50200 FT-LBS 2550CFM A	131,845	35.15		7.24	17.71	0.00			398
	PILE HAMMERS, VIBRATORY **********									
	MKT CORPORATION									
7015	V5B WITH POWER PACK 95 HP D	67,570	21.17		3.71	9.07	2.92			110
7020	V16B WITH POWER PACK 156 HP D	120,090	37.12		6.60	16.14	4.80			215
7025	V20 WITH POWER PACK 310 HP D	176,630	57.85		9.71	23.73	9.54			257
7030	V30 WITH POWER PACK 510 HP D	203,741	72.93		11.19	27.37	15.70			350
7035	V36 WITH POWER PACK 580 HP D	258,406	89.77		14.19	34.71	17.85			450
	PIPELAYER *********									
	CATERPILLAR									
7050	561D 15 FT BOOM, 40,000 LB CAP 105 HP D	124,912	19.64	24.21	5.07	10.87	1.79	12.47	2.30	357
7055	571G 18 FT BOOM, 60,000 LB CAP 200 HP D	201,991	32.47	40.05	8.21	17.58	3.40	20.15	4.37	502
7060	572G 18 FT BOOM, 90,000 LB CAP 200 HP D	231,346	36.50	44.99	9.39	20.13	3.40	23.08	4.37	605
7065	583K 20 FT BOOM, 140,000 LB CAP 300 HP D	291,553	47.14	58.16	11.84	25.37	5.10	29.09	6.56	905
7070	594H 24 FT BOOM, 200,000 LB CAP 410 HP D	406,988	65.60	80.94	16.53	35.42	6.97	40.61	8.97	1229

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	PUMPS, GROUT **********									
	CHEMGROUT									
7085	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,992	3.03		0.66	1.69	0.00			11
7090	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,799	1.17		0.25	0.63	0.00			5
7095	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	19,176	4.55		0.98	2.49	0.00			18
7100	CG-620 COLLOIDAL ADD-ON TO CG-500	8,292	1.88		0.42	1.07	0.00			11
	PUMPS, WATER (FOR CORE DRILLS) **********									
	ACKER									
7115	MOD APS 11-5 6 GPM UP TO 100 PS 2 HP G	788	0.34		0.04	0.08	0.16			2
	PUMPS, WATER,CENTRIFUGAL,DEWATERING **********									
	HOMELITE - SKID MOUNTED									
7130	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	489	0.29		0.02	0.05	0.16			1
7135	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	630	0.44		0.03	0.07	0.25			1
7140	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	1,167	1.07		0.05	0.12	0.66			2
	MARLOW - WHEEL MOUNTED									
7150	MOD 4D2 465 GPM @ 20 ' HEAD 43 HP G	9,307	6.19		0.41	0.93	3.52			14
7155	MOD 4C7 595 GPM @ 20 ' HEAD 30 HP D	9,396	3.32		0.41	0.93	1.29			10
7160	MOD 6E4A 1100 GPM @ 20 ' HEAD 79 HP G	13,090	10.69		0.57	1.30	6.47			15
7165	MOD 6E4A 1100 GPM @ 20 ' HEAD 60 HP D	14,739	5.99		0.65	1.47	2.58			24
7170	MOD 8FA3 2320 GPM @ 20 ' HEAD 70 HP D	22,774	7.89		1.00	2.26	3.01			23
7175	MOD 10FA61 2775 GPM @ 20 ' HEAD 68 HP D	24,254	8.02		1.07	2.41	2.92			30

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	PUMPS, WATER, CENTRIFUGAL, TRASH **********									
	HOMELITE - SKID MOUNTED									
7190	MOD 121TP 2" - 11500 GPH @ 20' H 5 HP G	1,009	0.71		0.05	0.10	0.41			1
7195	MOD 120 3" - 23000 GPH @ 20' H 8 HP G	1,380	1.10		0.07	0.14	0.66			2
7200	MOD 160TP 4" - 36500 GPH @ 20' H 16 HP G	2,831	2.19		0.12	0.28	1.31			4
	PUMPS, WATER, DIAPHRAGM **********									
	HOMELITE - SKID MOUNTED									
7215	MOD 111DP 2" - 1900 GPH @ 10' HD 3 HP G	1,263	0.53		0.05	0.12	0.25			1
7220	MOD 111DP 3" - 4800 GPH @ 10' HD 3 HP G	1,410	0.56		0.07	0.14	0.25			2
	PUMPS, WATER, SUBMERSIBLE **********									
	GORMAN-RUPP									
7235	MOD S2A1 2" - 138 GPM @ 20' HD 2 HP E	1,712	0.57		0.07	0.17	0.23			2
7240	MOD S3A1 3" - 278GPM @ 20' HD 5 HP E	2,446	1.16		0.11	0.24	0.58			3
7245	MOD S4A1 4" - 860 GPM @ 40' HD 25 HP E	8,687	5.38		0.38	0.86	2.92			12
7250	MOD S6A1 6" - 1950 GPM @ 40' HD 60 HP E	11,321	11.68		0.50	1.13	7.02			14
	MARLOW									
7260	MOD 2S11 2" - 84 GPM @ 20' HD 1 HP E	1,318	0.34		0.06	0.13	0.12			1
7265	MOD 3S22 3" - 190 GPM @ 20' HD 2 HP E	1,874	0.59		0.09	0.19	0.23			1
7270	MOD 4S83 4" - 550 GPM @ 25' HD 8 HP E	2,558	1.70		0.12	0.26	0.94			1

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	RIPPER & HYDRAULIC BANK SLOPER ********** (DOES NOT INCLUDE COST OF POINT WEAR)									
	ATECO									
7285	V-RAR-1 SINGLE SHANK EXTREME SVC	40,098	8.37	11.35	2.02	5.00	0.00	6.37	0.00	141
7290	V-RAR-1 SHANKS EA W/GUARD	3,152	0.64	0.88	0.16	0.39	0.00	0.50	0.00	15
7295	LPAF-D8K PARALLEL LIFT	25,446	5.31	7.20	1.27	3.17	0.00	4.04	0.00	101
7300	D-8K SHANKS EA	2,009	0.41	0.56	0.10	0.25	0.00	0.32	0.00	11
7305	LPAF-D7G PARALLEL LIFT	18,959	3.96	5.37	0.95	2.36	0.00	3.01	0.00	57
7310	D-7G SHANKS EA	880	0.18	0.25	0.04	0.11	0.00	0.14	0.00	5
7315	V-LPRF-TD25E PARALLEL LIFT STD SVC	21,895	4.58	6.22	1.09	2.72	0.00	3.48	0.00	97
7320	TD-25C SHANKS EA	1,975	0.41	0.55	0.10	0.25	0.00	0.31	0.00	8
7325	V-LPRF-TD20E PARALLEL LIFT STD SVC	15,773	3.32	4.49	0.79	1.97	0.00	2.51	0.00	51
7330	TD-20E SHANKS EA	1,259	0.25	0.35	0.06	0.15	0.00	0.20	0.00	4
7335	PS-TD15C RADIAL LIFT	9,202	1.96	2.65	0.46	1.14	0.00	1.46	0.00	22
7340	TD-15C SHANKS EA	498	0.10	0.14	0.02	0.06	0.00	0.08	0.00	1
7345	V-LPRF 82-50 PARALLEL LIFT STD SVC	24,421	5.08	6.89	1.23	3.04	0.00	3.87	0.00	105
7350	82-50 SHANKS EA	1,975	0.41	0.55	0.10	0.25	0.00	0.31	0.00	8
7355	V-LPRF-82-30BPARALLEL LIFT	21,692	4.52	6.13	1.09	2.70	0.00	3.44	0.00	89
7360	82-30 SHANKS EA	2,663	0.54	0.74	0.14	0.33	0.00	0.42	0.00	8
7365	HBS-HYDR BANK SLOPER 260-475 HP	9,520	1.69	2.13	0.43	1.00	0.00	1.19	0.00	28
	CATERPILLAR									
7375	D-10 MULTI-SHANK BEAM	53,511	11.18	15.15	2.68	6.66	0.00	8.49	0.00	218
7380	D-10 SHANKS EA	3,897	0.80	1.09	0.20	0.49	0.00	0.62	0.00	15
7385	D-10 SINGLE-SHANK BEAM	56,880	11.87	16.09	2.85	7.09	0.00	9.03	0.00	209
7390	D-9L MULTI-SHANK BEAM W/HYD-CONTROL	45,276	9.43	12.79	2.27	5.64	0.00	7.18	0.00	162
7395	D-9L SHANKS EA	3,506	0.72	0.97	0.18	0.44	0.00	0.55	0.00	14
7400	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK	42,161	8.80	11.93	2.12	5.26	0.00	6.69	0.00	156
7405	D-8L MULTI-SHANK BEAM HYD-CONTROL	30,502	6.35	8.61	1.53	3.80	0.00	4.84	0.00	98
7410	D-8L SHANKS EA	1,967	0.41	0.55	0.10	0.25	0.00	0.31	0.00	7

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	RIPPER & HYDR BANK SLOPER (CONT'D) ********** (DOES NOT INCLUDE COST OF POINT WEAR)									
	CATERPILLAR (CONT'D)									
7415	D-8L SINGLE-SHANK BEAM HYD-CNTL&SHANK	29,678	6.18	8.38	1.49	3.70	0.00	4.71	0.00	101
7420	D-7G MULTI-SHANK BEAM HYD-CONTROL	17,052	3.57	4.84	0.85	2.12	0.00	2.71	0.00	57
7425	D-7G SHANKS EA	1,015	0.21	0.28	0.06	0.13	0.00	0.16	0.00	3
7430	D-6D MULTI-SHANK BEAM HYD-CONTROL	10,659	2.27	3.05	0.54	1.33	0.00	1.69	0.00	34
7435	D-6D SHANKS EA	514	0.10	0.14	0.02	0.06	0.00	0.08	0.00	1
7440	D-4E MULTI-SHANK BEAM HYD-CONTROL	6,342	1.38	1.85	0.32	0.79	0.00	1.01	0.00	22
7445	D-4E SHANKS EA	269	0.06	0.08	0.02	0.04	0.00	0.05	0.00	1
7450	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,806	0.66	0.86	0.14	0.35	0.00	0.44	0.00	7
7455	D-3B SHANKS EA	150	0.02	0.04	0.00	0.01	0.00	0.02	0.00	1
	FIAT-ALLIS									
7465	FD-50 W/HYD-CNTL AND 1 SHANK	57,587	12.08	16.35	2.89	7.18	0.00	9.14	0.00	280
7470	FD-40 W/HYD-CNTL AND 2 SHANKS	45,326	9.49	12.85	2.28	5.65	0.00	7.19	0.00	200
7475	FD-30 W/HYD-CNTL AND 2 SHANKS	34,095	7.08	9.62	1.71	4.24	0.00	5.41	0.00	108
7480	RP20B W/HYD-CNTL AND 3 SHANKS	21,287	4.45	6.03	1.07	2.65	0.00	3.38	0.00	88
	ROLLER, RUBBER TIRED, SELF-PROPELLED **********									
	FERGUSON									
7495	MOD SP-912 12 TON 85 HP D	42,267	10.51		1.87	4.32	2.62			99
7500	MOD SP-915 15 TON 85 HP D	46,766	11.26		2.07	4.78	2.62			135
7505	MOD SP-1118 18 TON 85 HP D	54,186	12.53		2.39	5.53	2.62			124
7510	MOD SP-1130 30 TON 125 HP D	86,906	19.83		3.80	8.75	3.85			242
	INGRAM									
7520	9-2800-P 12 TON 76 HP D	36,922	9.25		1.63	3.76	2.34			73
7525	9-2800-PA 12 TON 76 HP D	39,730	9.72		1.75	4.05	2.34			86
7530	9-3400-P 15 TON 78 HP D	40,684	9.96		1.80	4.15	2.40			97

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, R/T,SELF-PROPELLED (CONT'D) **********												
	INGRAM (CONT'D)												
7535	11-2700	15 TON	107 HP	G	39,198	14.64		1.72	3.98	6.36			89
7540	11-2700	15 TON	76 HP	D	43,625	10.40		1.92	4.44	2.34			91
7545	13-2300	15 TON	107 HP	G	40,956	14.96		1.80	4.15	6.36			86
7550	13-2300	15 TON	76 HP	D	45,405	10.72		2.00	4.61	2.34			90
7555	9-6000	27 TON	117 HP	D	99,377	21.73		4.33	9.95	3.60			205
	TAMPO												
7565	SP-312	12 TON	68 HP	D	40,225	9.49		1.78	4.10	2.09			66
7570	SP-518	15 TON	68 HP	D	49,901	11.15		2.20	5.09	2.09			95
7575	SP-950	27 TON	130 HP	D	102,940	22.79		4.50	10.35	4.00			198
7580	SP-1070 M	35 TON	130 HP	D	123,935	27.01		5.32	12.05	4.00			258
	ROLLER, RUBBER TIRED, TOWED **********												
	FERGUSON												
7595	RT-100S	50 TON			68,503	11.83		2.72	5.78	0.00			200
7600	RT-120S	60 TON			80,728	14.40		3.41	7.63	0.00			218
	SOUTHWEST												
7610	C 50	50 TON			84,188	14.65		3.44	7.47	0.00			344
7615	C 75	75 TON			91,025	15.87		3.63	7.72	0.00			408
7620	C 100XL	100 TON			125,621	21.95		5.16	11.31	0.00			601
	TAMPO												
7630	R-13	14 TON			10,271	1.86		0.43	0.96	0.00			35

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, SHEEPSFOOT,DOUBLE DRUM,TOWED **********									
	FERGUSON									
7645	MOD 112 40"X48" 3-7 TON	14,568	2.62		0.65	1.51	0.00			65
7650	MOD 112W 40"X48" 4.5-8 TON	18,548	3.29		0.83	1.92	0.00			91
7655	MOD 112W-48 48"X48" 5-10 TON	19,149	3.39		0.85	1.98	0.00			105
7660	MOD 120 60"X60" 8-18 TON	28,673	5.00		1.28	2.97	0.00			157
7665	MOD 120 MOD 60"X60" 8-18 TON	43,835	7.58		1.96	4.55	0.00			230
7670	MOD 120-RE 60"X60" 16-20 TON	66,005	11.33		2.94	6.85	0.00			327
7675	MOD 22 60"X72" 16-20 TON	43,286	7.49		1.93	4.49	0.00			215
7680	MOD 22 MOD 60"X72" 16-20 TON	50,386	8.69		2.25	5.23	0.00			269
7685	MOD 144-RE 60"X72" 19-24 TON	77,693	13.31		3.46	8.06	0.00			385
	TAMPO									
7695	H-1 TF 40"X48" 2.6TON	6,451	1.25		0.29	0.67	0.00			32
7700	H-2 TF 40"X48" 5 TON	13,041	2.37		0.58	1.35	0.00			63
	ROLLER, SHEEPSFOOT,DD,SELF-PROPELLED **********									
	CATERPILLAR									
7715	815B 40.5" X 38" 210 HP D	164,398	35.86		7.32	17.05	6.46			420
7720	816B LANDFILL 63" X 40" W/BLADE 170 HP D	165,130	34.46		7.35	17.13	5.23			451
7725	825C 51" X 44" 654 HP D	248,976	67.14		11.09	25.83	20.13			633
7730	825C W/S BLADE 706 HP D	263,319	71.56		11.73	27.32	21.73			684
7735	826C LANDFILL 60" X 48" W/BLADE 310 HP D	260,484	55.96		11.60	27.03	9.54			680
	HYSTER									
7745	C455-B TANDEM 80"X80" ARTIC 330 HP D	272,595	58.78		12.14	28.28	10.16			573

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, SMOOTH WHEEL, SELF-PROPELLED **********									
	FERGUSON									
7760	3-5 TON TANDEM 52 HP D	28,459	6.81		1.27	2.96	1.60			77
7765	4-6 TON TANDEM 52 HP D	33,968	7.73		1.51	3.52	1.60			96
7770	5-8 TON TANDEM 85 HP D	51,857	12.04		2.31	5.38	2.62			136
7775	8-10 TON TANDEM 85 HP D	54,301	12.46		2.42	5.64	2.62			174
7780	8-12 TON TANDEM 85 HP D	56,709	12.86		2.53	5.89	2.62			176
7785	10-14 TON TANDEM 85 HP D	59,209	13.28		2.64	6.14	2.62			219
	INGRAM									
7795	12 TON EB 3 WHEEL 3" OVERLAP 107 HP G	56,842	17.52		2.53	5.90	6.36			194
7800	12 TON EB 3 WHEEL 3" OVERLAP 85 HP D	60,957	13.57		2.71	6.32	2.62			196
7805	14 TON EB 3 WHEEL 3" OVERLAP 107 HP G	60,340	18.11		2.69	6.26	6.36			221
7810	14 TON EB 3 WHEEL 3" OVERLAP 85 HP D	64,455	14.17		2.87	6.69	2.62			223
7815	4-6 TON FB 2 WHEEL TANDEM 54 HP G	27,869	8.70		1.24	2.89	3.21			82
7820	6-9 TON GB 2 WHEEL TANDEM 107 HP G	37,878	14.31		1.69	3.93	6.36			133
7825	6-9 TON GB 2 WHEEL TANDEM 85 HP D	41,994	10.37		1.87	4.36	2.62			135
7830	8-12 TON HB 2 WHEEL TANDEM 107 HP G	45,975	15.68		2.05	4.77	6.36			171
7835	8-12 TON HB 2 WHEEL TANDEM 85 HP D	50,091	11.73		2.23	5.19	2.62			173
7840	10-14 TON HB 2 WHEEL TANDEM 107 HP G	49,654	16.30		2.21	5.15	6.36			203
7845	10-14 TON HB 2 WHEEL TANDEM 85 HP D	53,769	12.36		2.39	5.58	2.62			205

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	OWT
	ROLLER, VIBRATORY, SINGLE DRUM, TOWED ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
7860	CK-11 40HZ 30"X55" 5 TON 18 HP G	13,962	5.10		0.70	1.73	1.47			31
7865	CF-11 40HZ TF 30"X55" 5 TON 18 HP G	17,075	5.81		0.85	2.12	1.47			32
7870	CH-47 27HZ 47"X74" 13 TON 43 HP D	36,297	10.66		1.82	4.50	1.85			130
7875	CF-47 27HZ TF 47"X74" 13 TON 43 HP D	39,757	11.45		1.99	4.93	1.85			135
7880	CK-51 25HZ 59"X83" 24 TON 95 HP D	55,643	18.00		2.78	6.90	4.08			221
7885	CF-51 25HZ TF 59"X83" 24 TON 95 HP D	58,661	18.69		2.94	7.28	4.08			226
	FERGUSON									
7895	65 25HZ TF 60"X72" 11 TON 49 HP D	38,994	11.61		1.95	4.84	2.10			110
7900	65T 30HZ TF 44"X72" 11 TON 49 HP D	42,419	12.39		2.13	5.27	2.10			127
7905	230 25HZ 66"X78" 20 TON 77 HP D	68,359	19.87		3.43	8.49	3.31			237
7910	230T 25HZ TF 66"X78" 21 TON 77 HP D	74,445	21.25		3.73	9.24	3.31			268
	HYSTER									
7920	C200B 30HZ 48"X60" 9 TON 36 HP G	25,692	9.72		1.29	3.19	2.95			72
7925	C210A 30HZ TF 58"X60" 9 TON 36 HP G	31,499	11.03		1.58	3.91	2.95			92
	RAYGO									
7935	SF-54A TF 38HZ 30"X54" 7.5TON 30 HP D	20,153	6.27		1.01	2.50	1.29			48
7940	SM-54A 38HZ 30"X54" 7.5TON 30 HP D	18,295	5.85		0.91	2.27	1.29			48
	SOUTHWEST									
7950	756 25HZ TF 66"X78" 23.5TON 75 HP D	93,620	25.48		4.69	11.62	3.22			240
7955	566 33HZ TF 56"X72" 25.5TON 50 HP D	63,266	17.18		3.17	7.85	2.15			165

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	ROLLER,VIB,SINGLE DRUM,SELF-PROPELLED ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
7970	CA-15 29HZ 48"X66" 11 TON 73 HP D	63,535	18.60		3.16	7.80	3.13			132
7975	CA-15A 42HZ 48"X66" 12 TON 85 HP D	73,316	21.67		3.60	8.81	3.65			144
7980	CA-15PD 29HZ TF 53"X66" 13 TON 85 HP D	83,826	23.89		4.18	10.32	3.65			157
7985	CA-25A 40HZ 60"X84" 18 TON 125 HP D	94,002	28.58		4.65	11.42	5.37			200
7990	CA-25 28HZ 60"X84" 18 TON 125 HP D	87,681	27.13		4.34	10.67	5.37			200
7995	CA-25S 28HZ 61"X84" 22 TON 125 HP D	94,365	28.65		4.68	11.50	5.37			225
8000	CA-25PD 28HZ 68"X84" 22 TON 125 HP D	108,825	31.92		5.39	13.29	5.37			248
8005	CA-30 28HZ 61"X84" 22 TON 125 HP D	97,249	29.30		4.82	11.86	5.37			242
8010	CA-30D 28HZ 61"X84" 22 TON 125 HP D	105,276	31.12		5.22	12.85	5.37			252
	FERGUSON									
8020	SP 266A 42HZ 48"X66" 15 TON 125 HP D	91,497	27.83		4.58	11.35	5.37			225
8025	SP 75 30HZ 60"X84" 22.5 TON 85 HP D	75,481	22.10		3.73	9.16	3.65			191
8030	SP 75D 30HZ 60"X84" 22.5 TON 120 HP D	80,088	25.11		3.95	9.72	5.15			193
8035	SP 75DT 30HZ TF 60"X84" 22.5 TON 120 HP D	91,075	27.61		4.51	11.09	5.15			236
	INGERSOLL RAND									
8045	SPF-56 30HZ TF 56"X84" 21 TON 115 HP D	96,953	28.66		4.80	11.82	4.94			222
8050	SP-60DD 25HZ 60"X100" 30 TON 203 HP D	143,656	44.42		7.09	17.40	8.71			377
	RAYGO									
8060	RASCAL 220A 30HZ TF38"X48" 6 TON 70 HP D	58,903	17.36		2.94	7.27	3.01			97
8065	RASCAL 303A 38HZ 48"X66" 8 TON 70 HP D	58,907	17.40		2.93	7.23	3.01			137
8070	RASCAL 320A 25HZ TF48"X60" 8 TON 80 HP D	78,438	22.36		3.91	9.67	3.43			151
8075	RASCAL 320S 25HZ 48"X60" 8 TON 80 HP D	67,880	19.98		3.37	8.33	3.43			144
8080	RUSTLER 304A 28HZ 48"X66" 8 TON 70 HP D	66,485	19.26		3.26	7.96	3.01			130
8085	RUSTLER 404B 28HZ 59"X84" 13.5TON 88 HP D	88,788	25.26		4.40	10.83	3.78			175

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, VIBRATORY,SD,S/P (CONT'D)									
	**********									
	TF=ROLLER W/TAMPING FEET									
	VIBRATION FREQUENCY IN HERTZ									
	DYNAMIC FORCE SHOWN IN TONS									
	RAYGO (CONT'D)									
8090	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	102,760	30.19		5.10	12.56	5.11			225
8095	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	82,326	25.91		4.07	10.00	5.37			224
8100	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	121,045	34.36		6.00	14.77	5.11			358
8105	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	105,270	30.79		5.21	12.82	5.11			316
8110	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	90,133	27.78		4.44	10.87	5.37			263
	TAMPO									
8120	RS-16A 26HZ 48'X24" 7.5TON 68 HP D	68,335	19.56		3.35	8.19	2.92			124
8125	RS-16 26HZ 48"X24" 8 TON 68 HP D	60,299	17.58		3.00	7.40	2.92			115
8130	RS-16D 26HZ 48"X24" 8 TON 80 HP D	70,640	20.60		3.51	8.68	3.43			123
8135	RH-16A 26HZ 48"X24" 9 TON 75 HP D	77,597	22.07		3.81	9.34	3.22			153
8140	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	77,079	22.07		3.84	9.49	3.43			127
8145	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	101,465	29.40		5.03	12.38	4.72			212
8150	RS-28C 25HZ 60"X84" 15 TON 107 HP D	84,435	25.36		4.17	10.26	4.59			202
8155	RS-28D 25HZ 60"X84" 15 TON 107 HP D	91,259	26.91		4.52	11.11	4.59			208
8160	RH-28D 28HZ 60"X84"22.5TON 110 HP D	116,242	32.74		5.77	14.21	4.72			259
	ROLLER,VIB,DOUBLE DRUM,SELF-PROPELLED									
	**********									
	TF=ROLLER W/TAMPING FEET									
	VIBRATION FREQUENCY IN HERTZ									
	DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
8175	LR-50 60HZ TANDEM 2 TON 16 HP D	11,963	3.62		0.60	1.48	0.69			25
8180	CC-10 50HZ TANDEM 2 TON 34 HP D	31,570	9.09		1.58	3.92	1.46			50
8185	CC-21 50HZ TANDEM 4 TON 71 HP D	74,514	20.92		3.73	9.24	3.05			137
8190	CC-42II 42HZ TANDEM 12 TON 125 HP D	100,112	29.78		5.01	12.42	5.37			200
8195	CC-50A 40HZ TANDEM 18 TON 155 HP D	121,145	36.25		6.07	15.04	6.65			310

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, VIBRATORY,DD,S/P (CONT'D) ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC (CONT'D)									
8200	CC-50S 28HZ TANDEM 22 TON 181 HP D	146,290	43.42		7.32	18.15	7.77			342
8205	CC-50PD 28HZ TF TANDEM 22 TON 181 HP D	169,390	48.66		8.48	21.02	7.77			419
	RAYGO									
8215	REBEL 1-36 40HZ TANDEM 2 TON 16 HP D	11,460	3.51		0.57	1.42	0.69			23
8220	ROMPER 2-36 40HZ TANDEM 4 TON 35 HP D	26,306	7.95		1.32	3.27	1.50			40
8225	RUSTLER 5604A 50HZ TANDEM 5.5TON 70 HP D	68,466	19.49		3.43	8.50	3.01			132
8230	RUSTLER 7204A 38HZ TANDEM 8 TON 115 HP D	91,446	27.24		4.58	11.34	4.94			250
8235	RANGER 2-66 38HZ TANDEM 8 TON 119 HP D	121,577	34.30		6.09	15.09	5.11			215
	TAMPO									
8245	RS-03 60HZ 36"X24" 2 TON 14 HP G	11,805	4.20		0.59	1.47	1.15			23
8250	RS-144A 50HZ 42"X48" 8 TON 52 HP D	61,057	16.78		3.06	7.58	2.23			100
8255	RS-166A 36HZ 48"X66" 16 TON 80 HP D	91,119	25.18		4.56	11.30	3.43			200
8260	RS-188A 36HZ 60"X84" 30 TON 156 HP D	115,630	35.05		5.79	14.35	6.70			320
8265	RH-199 25HZ 60"X96" 45 TON 262 HP D	205,234	61.37		10.27	25.46	11.25			491
	ROOFING EQUIPMENT **********									
	AEROIL									
8280	EZ LOAD 240 GAL. KETTLE	6,045	2.15		0.37	0.99	0.00			17
8285	EZ LOAD 400 GAL. KETTLE	7,576	2.56		0.45	1.23	0.00			23
8290	EZ LOAD 600 GAL. KETTLE	9,979	3.47		0.60	1.62	0.00			38
8295	JOB TANK 2000 GAL. TRLR MTD.	27,606	8.93		1.59	4.23	0.00			81
8300	MOD 52 HYDRAULIC CONVEYOR 52'H 23 HP G	19,434	6.87		1.18	3.21	1.26			39
8305	MOD 62 HYDRAULIC CONVEYOR 62'H 23 HP G	21,705	7.49		1.32	3.59	1.26			55
8310	MOD 68 HYDRAULIC CONVEYOR 68'H 23 HP G	24,621	8.28		1.49	4.07	1.26			58

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROOFING EQUIPMENT (CONT'D) **********									
	AEROIL (CONT'D)									
8315	MOD S RHINO ROOF PEELER 16" WIDE 10 HP G	3,484	1.63		0.21	0.58	0.55			4
8320	MARK I ROOF CUTTER SINGLE BLADE 7 HP G	1,120	0.78		0.07	0.19	0.38			2
8325	MARKII ROOF CUTTER DOUBLE BLADE 10 HP G	1,754	1.16		0.10	0.29	0.55			3
	GARLOCK									
8335	MOD 115 KETTLE 115 GAL.	1,834	0.99		0.11	0.29	0.00			9
8340	MOD 175 KETTLE 175 GAL. W/PUMP	3,561	1.46		0.21	0.57	0.00			12
8345	MOD 380 KETTLE 380 GAL. W/PUMP	5,394	2.21		0.33	0.88	0.00			24
8350	MOD 580 KETTLE 580 GAL. W/PUMP	6,771	2.58		0.40	1.09	0.00			32
8355	MOD 62 HYDRAULIC CONVEYOR 62'H 25 HP G	21,286	7.53		1.30	3.55	1.37			60
8360	MOD 72 HYDRAULIC CONVEYOR 72'H 25 HP G	27,094	9.12		1.65	4.51	1.37			70
8365	MOD1400 HYDR. SWING HOIST 18 HP G	7,583	3.30		0.46	1.26	0.99			7
8370	MOD 82 POWER SWEEPER 4 HP G	1,512	0.68		0.09	0.25	0.22			2
8375	ROTARY PLANER 8 HP G	1,238	0.88		0.07	0.20	0.44			2
8380	MOD 21 ROOF CUTTER 21" 10 HP G	1,534	1.10		0.10	0.26	0.55			3
8385	MOD 30 ROOF CUTTER 30" 10 HP G	1,575	1.11		0.10	0.26	0.55			3
	SCRAPERS, SELF-PROPELLED ********** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	CATERPILLAR									
8400	613-C 13 T 11 CY P.S. 175 HP D	147,455	34.04	44.17	6.40	14.64	5.53	17.46	7.23	340
8405	615 19 T 14-16 CY P.S. 250 HP D	216,631	49.62	65.22	9.39	22.00	7.90	26.35	10.33	521
8410	621-B 24 T 14-20 CY P.S. 330 HP D	274,775	60.50	79.38	11.95	28.09	9.36	33.65	12.30	662
8415	623-B 25 T 22 CY P.S. 330 HP D	305,354	67.86	88.57	13.34	31.41	10.42	37.63	13.63	720
8420	627-B 24 T 14-20 CY P.S. 225/225 HP D/D	314,577	75.07	99.37	13.75	32.41	13.49	38.83	17.50	733
8425	627-B PP 24 T 14-20 CY P.S. 225/225 HP D/D	334,098	78.21	103.30	14.62	34.52	13.49	41.38	17.50	776
8430	631-D 37.5T 21-31 CY P.S. 450 HP D	421,392	90.45	118.55	18.35	43.16	12.76	51.70	16.77	934

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	SCRAPERS, SELF-PROPELLED (CONT'D) ********** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	CATERPILLAR (CONT'D)									
8435	633-D 37.5T 34 CY P.S. 450 HP D	479,877	103.38	134.68	20.99	49.50	14.22	59.32	18.59	1042
8440	637-D 37.5T 21-31 CY P.S. 450/250 HP D/D	516,897	120.68	159.14	22.66	53.52	20.98	64.14	27.22	1053
8445	637-D PP 37.5T 21-31 CY P.S. 450/250 HP D/D	539,276	124.27	163.63	23.66	55.94	20.98	67.05	27.22	1077
8450	639-D 37.5T 24-34 CY P.S. 450/250 HP D/D	596,633	136.18	180.24	26.09	61.55	20.98	73.76	27.22	1223
8455	651-E 52 T 32-44 CY P.S. 550 HP D	553,818	117.64	154.35	24.09	56.62	15.59	67.82	20.49	1314
8460	657-E 52 T 32-44 CY P.S. 550/400 HP D/D	674,624	159.46	210.56	29.54	69.72	28.47	83.54	36.94	1516
8465	657-E PP 52 T 32-44 CY P.S. 550/400 HP D/D	716,190	166.14	218.92	31.40	74.22	28.47	88.97	36.94	1589
	FIAT-ALLIS									
8475	161 18.7 T 15 CY P.S. 229 HP D	189,077	43.17	56.43	8.24	19.40	7.23	23.25	9.46	466
8480	260B 25.0 T 15-21 CY P.S. 325 HP D	249,762	56.04	73.58	10.86	25.51	9.21	30.55	12.11	585
8485	261B 26.5 T 23 CY P.S. 325 HP D	281,659	63.20	82.33	12.32	29.06	10.27	34.82	13.43	635
8490	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	302,814	73.94	97.41	13.27	31.35	14.87	37.58	19.28	679
8495	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	361,420	83.85	110.11	15.89	37.60	14.87	45.07	19.28	742
	INTERNATIONAL									
8505	412B 13 T 11 CY P.S. 125 HP D	136,461	29.74	38.54	5.92	13.58	3.95	16.22	5.16	335
8510	431B 24 T 14-21 CY P.S. 326 HP D	268,018	59.29	77.86	11.65	27.36	9.24	32.76	12.15	609
8515	433B 24 T 14-21 CY P.S. 326/185 HP D/D	314,603	77.38	102.37	13.75	32.42	15.31	38.84	19.87	700
8520	442B 25 T 22 CY P.S. 326 HP D	299,582	66.78	87.21	13.08	30.79	10.30	36.88	13.47	680
	JOHN DEERE									
8530	JD762A 13.7 T 11 CY P.S. 175 HP D	136,346	31.93	41.40	5.92	13.57	5.53	16.20	7.23	355
8535	JD862 20.0 T 16 CY P.S. 250 HP D	185,541	43.49	56.86	8.09	19.02	7.90	22.79	10.33	492

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	SCRAPERS, SELF-PROPELLED (CONT'D) ********** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	M-R-S									
8545	I- 92/90ES 17T 14 CY P.S. 240 HP D	207,282	47.51	62.42	8.99	21.07	7.58	25.22	9.91	484
8550	I-100/S100 25T 15-22 CY P.S. 310 HP D	333,220	73.62	98.67	14.26	33.11	8.79	39.62	11.55	872
8555	I-100/100ES 25T 22 CY P.S. 310 HP D	349,651	78.80	105.15	14.99	34.89	9.79	41.76	12.81	930
8560	I-105/S105 37T 21-30 CY P.S. 422 HP D	409,110	90.07	119.61	17.62	41.12	11.96	49.21	15.72	924
8565	I-105/105ES 31T 27 CY P.S. 422 HP D	421,474	95.37	126.24	18.17	42.45	13.33	50.82	17.43	990
8570	I-110/S105 37T 21-30 CY P.S. 482 HP D	484,457	107.51	143.72	20.82	48.52	13.66	58.07	17.96	954
8575	I-110/105ES 31T 27 CY P.S. 482 HP D	496,822	113.36	151.00	21.39	49.87	15.23	59.68	19.91	1020
8580	I-110/110ES 40T 32 CY P.S. 482 HP D	520,734	117.34	156.06	22.44	52.36	15.23	62.67	19.91	1092
8585	I-110/S110 42T 25-34 CY P.S. 482 HP D	501,403	110.32	147.30	21.57	50.27	13.66	60.16	17.96	1061
8590	I-115/S105 37T 21-30 CY P.S. 550 HP D	521,631	117.53	157.45	22.41	52.18	15.59	62.45	20.49	994
8595	I-115/S110 42T 25-34 CY P.S. 550 HP D	538,577	120.34	161.02	23.14	53.92	15.59	64.53	20.49	1101
8600	I-115/S120 48T 30-39 CY P.S. 550 HP D	589,984	128.40	171.07	25.46	59.49	15.59	71.22	20.49	1236
8605	I-115/110ES 40T 32 CY P.S. 550 HP D	557,908	127.79	170.32	24.02	56.02	17.37	67.05	22.72	1132
8610	I-120/S110 42T 25-34 CY P.S. 615 HP D	569,423	127.62	170.24	24.53	57.27	17.44	68.55	22.91	1121
8615	I-120/S120 48T 30-39 CY P.S. 615 HP D	620,831	136.76	182.19	26.67	62.12	17.44	74.34	22.91	1256
	TEREX (GM)									
8625	S-24C 40.8T 24-34 CY P.S. 480 HP D	437,218	95.20	125.24	18.97	44.49	13.61	53.28	17.88	1012
8630	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	280,674	62.53	82.82	12.27	28.95	8.63	34.69	11.20	544
8635	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	463,171	108.66	143.80	20.25	47.76	18.55	57.23	24.07	960
8640	TS-24C 40.8T 24-34 CY P.S. 480/260 HP D/D	568,514	132.20	174.67	24.88	58.73	22.18	70.38	28.77	1119

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	SCRAPER, TRACTOR DRAWN **********									
	M-R-S									
8655	PS-80 11T 9 CY HYDR./CONTROL	63,234	10.68	12.74	2.45	5.19	0.00	5.94	0.00	245
8660	PS-90 17T 14 CY HYDR./CONTROL	86,199	14.60	17.48	3.32	6.96	0.00	7.96	0.00	320
8665	PS-100 22T 18 CY HYDR./CONTROL	100,794	17.10	20.48	3.87	8.14	0.00	9.32	0.00	370
	ROME									
8675	R67H 18T 12-17CY HYDR/CONTROL	79,114	13.31	15.80	3.10	6.64	0.00	7.62	0.00	235
8680	R89H 27T 18-26CY HYDR/CONTROL	104,841	17.58	21.03	4.05	8.55	0.00	9.79	0.00	365
	SOUTHWEST-HUME									
8690	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	38,012	6.27	7.52	1.47	3.10	0.00	3.56	0.00	137
	SOIL STABILIZER **********									
	BOMAG									
8705	MOD MPH-50 12"DEEP BY 82"WIDE 152 HP D	99,887	23.21	30.24	4.41	10.22	4.80	12.22	6.28	208
8710	MOD MPH-100 14.5"DEEP X 79"WIDE 304 HP D	161,806	40.51	53.12	7.11	16.42	9.60	19.63	12.56	300
	BROS									
8720	MOD LSPRM-8A MASTER MIXER 19" DP 335 HP D	155,431	39.42	50.95	6.89	16.05	10.58	19.20	13.84	300
	TRACTOR, CRAWLER (DOZER) ********** (ADD ATTACHMENTS TO TRACTOR)									
	CASE									
8735	450C P.S. POWER ANGLE/TILT DOZER 63 HP D	44,856	11.27	14.48	1.97	4.47	2.09	5.33	2.76	118
8740	850C P.S. HYDR. ANGLE/TILT DOZER 78 HP D	64,562	15.67	20.08	2.85	6.45	2.59	7.67	3.41	171
8745	1150D P.S. HYDR. ANGLE/TILT DOZER 110 HP D	92,669	22.39	28.72	4.08	9.24	3.65	11.02	4.81	239
8750	1450B P.S. POWER ANGLE/TILT DOZER 140 HP D	129,362	30.65	39.28	5.70	12.91	4.65	15.38	6.12	330

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D) ********** (ADD ATTACHMENTS TO TRACTOR) CATERPILLAR									
8760	D-3B TRACTOR P.S. 65 HP D	39,347	10.33	13.28	1.73	3.92	2.16	4.68	2.84	136
8765	D-3B LGP (LOW GROUND PRESSURE) 65 HP D	44,785	11.36	14.58	1.97	4.47	2.16	5.33	2.84	153
8770	3P -POWER ANGLE & POWER TILT	8,278	1.47	1.86	0.37	0.86	0.00	1.03	0.00	24
8775	53 -WINCH (W/O CABLE)	5,959	1.08	1.36	0.27	0.62	0.00	0.74	0.00	9
8780	D-4E TRACTOR P.S. 80 HP D	59,639	14.84	19.03	2.63	5.95	2.66	7.09	3.50	205
8785	D-4E LGP (LOW GROUND PRESSURE) 80 HP D	67,456	16.31	20.90	2.97	6.73	2.66	8.02	3.50	237
8790	4A -STRAIGHT BLADE HYDRAULIC	8,601	1.52	1.93	0.38	0.89	0.00	1.07	0.00	25
8795	4S -ANGLE BLADE HYDRAULIC	10,966	1.92	2.44	0.49	1.14	0.00	1.37	0.00	28
8800	54 -WINCH (W/O CABLE)	11,580	2.03	2.57	0.52	1.21	0.00	1.44	0.00	16
8805	D-5B TRACTOR P.S. 105 HP D	86,908	21.09	27.05	3.83	8.67	3.49	10.34	4.59	247
8810	D-5B LGP (LOW GROUND PRESSURE) 105 HP D	99,014	23.37	29.93	4.37	9.88	3.49	11.77	4.59	293
8815	5A -STRAIGHT BLADE HYDRAULIC	11,863	2.07	2.63	0.53	1.23	0.00	1.48	0.00	38
8820	5S -ANGLE BLADE HYDRAULIC	15,257	2.65	3.36	0.68	1.59	0.00	1.90	0.00	43
8825	55 -WINCH (W/O CABLE)	16,085	2.79	3.54	0.72	1.68	0.00	2.01	0.00	22
8830	D-6D TRACTOR P.S. 140 HP D	119,458	28.79	36.90	5.27	11.92	4.65	14.20	6.12	299
8835	D-6D LGP (LOW GROUND PRESSURE) 140 HP D	137,839	32.25	41.31	6.08	13.76	4.65	16.39	6.12	353
8840	6S -STRAIGHT BLADE HYDRAULIC	15,754	2.73	3.46	0.70	1.64	0.00	1.96	0.00	49
8845	6A -ANGLE BLADE HYDRAULIC	19,566	3.37	4.29	0.87	2.03	0.00	2.44	0.00	53
8850	56 -WINCH (W/O CABLE)	17,440	3.02	3.83	0.78	1.82	0.00	2.17	0.00	25
8855	D-7G TRACTOR P.S. 200 HP D	174,230	41.80	53.60	7.68	17.38	6.64	20.72	8.75	382
8860	D-7G LGP (LOW GROUND PRESSURE) 200 HP D	201,791	46.99	60.19	8.90	20.14	6.64	23.99	8.75	433
8865	7S -STRAIGHT BLADE HYDRAULIC	22,642	3.89	4.94	1.01	2.36	0.00	2.82	0.00	77
8870	7U -UNIVERSAL BLADE HYDRAULIC	24,792	4.25	5.41	1.10	2.58	0.00	3.09	0.00	84
8875	7A -ANGLE BLADE HYDRAULIC	22,472	3.86	4.91	1.01	2.34	0.00	2.80	0.00	72
8880	57 -WINCH (W/O CABLE)	20,257	3.51	4.45	0.90	2.11	0.00	2.52	0.00	30
8885	D-8L TRACTOR P.S. 335 HP D	266,652	61.29	78.73	11.89	27.77	11.13	33.22	14.65	735

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D) ********** (ADD ATTACHMENTS TO TRACTOR)									
	CATERPILLAR (CONT'D)									
8890	8S -STRAIGHT BLADE HYDRAULIC	34,551	5.93	7.54	1.54	3.59	0.00	4.30	0.00	123
8895	8U -UNIVERSAL BLADE HYDRAULIC	38,085	6.54	8.31	1.70	3.96	0.00	4.74	0.00	136
8900	8A -ANGLE BLADE HYDRAULIC	35,659	6.13	7.79	1.59	3.71	0.00	4.44	0.00	136
8905	-PUSH PLATE USE W/8S	965	0.21	0.26	0.04	0.10	0.00	0.12	0.00	6
8910	58 -WINCH (W/O CABLE)	26,188	4.56	5.78	1.17	2.73	0.00	3.26	0.00	44
8915	D-9L TRACTOR P.S. 460 HP D	356,483	73.90	92.24	14.65	33.49	15.28	38.67	20.12	1004
8920	9S -STRAIGHT BLADE HYDRAULIC	45,465	7.83	9.95	2.02	4.73	0.00	5.66	0.00	184
8925	9U -UNIVERSAL BLADE HYDRAULIC	48,045	8.29	10.52	2.15	5.01	0.00	5.99	0.00	195
8930	9C -CUSHION BLADE	40,047	6.90	8.77	1.79	4.17	0.00	4.99	0.00	160
8935	-REAR CUSHION PUSH BLOCK	11,823	2.11	2.66	0.53	1.23	0.00	1.47	0.00	41
8940	-FRONT PUSH PLATE	1,300	0.29	0.36	0.06	0.13	0.00	0.16	0.00	9
8945	59 -WINCH (W/O CABLE)	28,349	4.97	6.29	1.26	2.95	0.00	3.53	0.00	45
8950	D-10 TRACTOR P.S. 700 HP D	598,822	121.15	151.00	24.62	56.27	23.25	64.96	30.62	1539
8955	10S -STRAIGHT BLADE HYDRAULIC	71,402	12.30	15.63	3.18	7.43	0.00	8.90	0.00	286
8960	10U -UNIVERSAL BLADE HYDRAULIC	78,447	13.50	17.15	3.50	8.17	0.00	9.78	0.00	292
8965	-FRONT PUSH PLATE	1,491	0.34	0.40	0.07	0.16	0.00	0.19	0.00	8
8970	10C -CUSHION BLADE	51,136	8.80	11.19	2.28	5.32	0.00	6.37	0.00	198
	FIAT-ALLIS									
8980	FD5 P.S. W/HYD. ANGLE TILT BLADE 63 HP D	46,738	11.63	14.94	2.06	4.66	2.09	5.56	2.76	140
8985	FD7 P.S. W/POW. ANGLE TILT BLADE 78 HP D	55,959	14.05	18.04	2.47	5.59	2.59	6.66	3.41	175
8990	8-B P.S. 88 HP D	60,168	15.28	19.65	2.65	6.00	2.92	7.16	3.85	215
8995	8-HA ANGLE BLADE HYDRAULIC	9,331	1.65	2.09	0.42	0.97	0.00	1.17	0.00	30
9000	8-HSU SEMI-U BLADE HYDRAULIC	9,318	1.62	2.05	0.42	0.97	0.00	1.16	0.00	30
9005	FD9 P.S. W/SEMI-U TILT BLADE 107 HP D	80,194	19.92	25.56	3.54	8.01	3.55	9.54	4.68	239
9010	10-C P.S. 122 HP D	84,052	21.31	27.37	3.70	8.38	4.05	9.99	5.34	280
9015	10-HA ANGLE BLADE HYDRAULIC	10,398	1.84	2.31	0.47	1.09	0.00	1.29	0.00	36

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT			VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D) ********** (ADD ATTACHMENTS TO TRACTOR)											
	FIAT-ALLIS (CONT'D)											
9020	10-HSU	SEMI-U BLADE HYDRAULIC		12,697	2.19	2.78	0.56	1.32	0.00	1.58	0.00	38
9025	14-C	P.S.	150 HP D	112,067	27.85	35.73	4.94	11.18	4.98	13.32	6.56	335
9030	14-HA	ANGLE BLADE HYDRAULIC		15,902	2.75	3.50	0.71	1.65	0.00	1.98	0.00	51
9035	14-HSU	SEMI-U BLADE HYDRAULIC		15,878	2.72	3.46	0.71	1.65	0.00	1.98	0.00	51
9040	FD 20	P.S.	223 HP D	168,103	41.70	53.49	7.41	16.78	7.41	19.99	9.75	535
9045	20-HA	ANGLE BLADE HYDRAULIC		16,981	2.94	3.73	0.76	1.77	0.00	2.12	0.00	66
9050	20-HS	STRAIGHT BLADE HYDRAULIC		17,818	3.08	3.91	0.80	1.86	0.00	2.22	0.00	66
9055	20-HSU	SEMI-U BLADE HYDRAULIC		24,140	4.12	5.24	1.08	2.52	0.00	3.01	0.00	79
9060	FD 30	P.S.	300 HP D	253,505	57.46	73.82	11.29	26.39	9.96	31.59	13.12	775
9065	30HSU	SEMI-U BLADE HYDRAULIC		33,694	5.79	7.35	1.50	3.51	0.00	4.19	0.00	127
9070	30-HU	FULL-U BLADE HYDRAULIC		34,132	5.84	7.43	1.52	3.55	0.00	4.25	0.00	114
9075	FD40	P.S.	455 HP D	366,102	75.18	93.79	15.05	34.40	15.11	39.72	19.90	1128
9080	40-HSU	SEMI-U BLADE HYDRAULIC		51,080	8.82	11.19	2.28	5.32	0.00	6.36	0.00	222
9085	40-HU	FULL-U BLADE HYDRAULIC		52,369	9.06	11.51	2.33	5.45	0.00	6.53	0.00	254
9090	40-HC	CUSHION BLADE		32,566	5.60	7.11	1.45	3.39	0.00	4.05	0.00	120
9095	FD 50	P.S.	525 HP D	491,013	97.31	121.15	20.18	46.13	17.44	53.26	22.96	1280
9100	50-HSU	SEMI-U BLADE HYDRAULIC		58,788	10.16	12.90	2.62	6.12	0.00	7.33	0.00	250
9105	50-HU	FULL-U BLADE HYDRAULIC		67,264	11.57	14.70	3.00	7.00	0.00	8.38	0.00	280
9110	50-HC	CUSHION BLADE		37,494	6.44	8.18	1.68	3.91	0.00	4.67	0.00	140
	INTERNATIONAL/DRESSER											
9120	TD-7-E	P.S. W/HYD BLADE	65 HP D	50,760	12.48	16.00	2.23	5.06	2.16	6.03	2.84	139
9125	TD-8-E	P.S. W/HYD BLADE	78 HP D	64,809	15.70	20.15	2.85	6.46	2.59	7.71	3.41	172
9130	TD-12	P.S. W/HYD BLADE	110 HP D	97,101	23.23	29.77	4.28	9.69	3.65	11.54	4.81	272
9135	TD-15-C	P.S.	140 HP D	119,449	28.79	36.90	5.27	11.92	4.65	14.20	6.12	271
9140	15D-2	SEMI-U BLADE HYDRAULIC		12,988	2.23	2.84	0.58	1.35	0.00	1.62	0.00	46
9145	15G-2	ANGLE BLADE HYDRAULIC		14,639	2.51	3.19	0.65	1.52	0.00	1.82	0.00	50

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D) ********** (ADD ATTACHMENTS TO TRACTOR)									
	INTERNATIONAL/DRESSER (CONT'D)									
9150	TD-20-E P.S. 210 HP D	185,095	44.29	56.80	8.16	18.47	6.97	22.01	9.19	476
9155	20D-2 SEMI-U BLADE HYDRAULIC	22,908	3.91	4.97	1.03	2.39	0.00	2.85	0.00	61
9160	20G-2 ANGLE BLADE HYDRAULIC	15,582	2.68	3.40	0.70	1.63	0.00	1.94	0.00	71
9165	TD-25-G P.S. 320 HP D	239,053	55.77	71.69	10.66	24.89	10.63	29.78	14.00	700
9170	25D-2 SEMI-U BLADE HYDRAULIC	28,347	4.87	6.19	1.26	2.95	0.00	3.53	0.00	113
9175	25G-2 ANGLE BLADE HYDRAULIC	23,486	4.08	5.16	1.05	2.45	0.00	2.92	0.00	115
9180	FRONT PUSHER CUSHION	9,800	1.73	2.19	0.44	1.02	0.00	1.22	0.00	29
9185	REAR PUSHER CUSHION	5,716	1.09	1.36	0.25	0.59	0.00	0.71	0.00	23
9190	FRONT PUSH BLK FOR S/BLD	922	0.23	0.27	0.04	0.09	0.00	0.11	0.00	12
	JOHN DEERE									
9200	JD350C/6305 D.D. W/HYD BLADE 42 HP D	36,087	8.68	11.14	1.59	3.60	1.39	4.29	1.84	107
9205	JD450E/6405 D.D. W/HYD BLADE 70 HP D	47,723	12.13	15.58	2.11	4.76	2.32	5.67	3.06	147
9210	JD550B/6405 P.S. W/HYD BLADE 78 HP D	56,359	14.13	18.13	2.49	5.63	2.59	6.70	3.41	156
9215	JD750B H.S. W/HYD BLADE 120 HP D	87,741	21.93	28.15	3.87	8.76	3.99	10.44	5.25	291
9220	JD750B LPG H.S. W/TILT BLADE 120 HP D	91,615	22.65	29.07	4.04	9.14	3.99	10.90	5.25	313
9225	JD850B H.S. W/TILT BLADE 165 HP D	117,240	29.50	37.88	5.17	11.70	5.48	13.94	7.22	363
9230	JD850B LPG H.S. W/TILT BLADE 165 HP D	130,709	32.03	41.10	5.76	13.04	5.48	15.54	7.22	435
	KOMATSU									
9240	D31A-17 H.S. 66 HP D	41,224	10.73	13.79	1.82	4.11	2.19	4.90	2.89	132
9245	ANGLE TILTDOZER BLADE	6,674	1.27	1.58	0.29	0.69	0.00	0.83	0.00	20
9250	D41A-3 H.S. 90 HP D	62,230	15.78	20.25	2.75	6.21	2.99	7.40	3.94	231
9255	STRAIGHT TILTDOZER BLADE	7,253	1.38	1.71	0.33	0.76	0.00	0.90	0.00	24
9260	D53A-17 H.S. 124 HP D	95,511	23.56	30.23	4.21	9.53	4.12	11.36	5.42	246
9265	ANGLE TILTDOZER BLADE	8,014	1.50	1.87	0.36	0.84	0.00	1.00	0.00	42
9270	D65E-7 H.S. 165 HP D	134,313	32.72	41.96	5.93	13.41	5.48	15.97	7.22	377

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	OWT
	TRACTOR, CRAWLER (DOZER) (CONT'D) ********** (ADD ATTACHMENTS TO TRACTOR)									
	KOMATSU (CONT'D)									
9275	ANGLE TILTDOZER BLADE	10,487	1.91	2.41	0.47	1.09	0.00	1.31	0.00	61
9280	D85E-18 H.S. 220 HP D	187,779	45.26	58.02	8.28	18.74	7.31	22.33	9.62	437
9285	ANGLE TILTDOZER BLADE	16,425	2.94	3.71	0.74	1.71	0.00	2.05	0.00	99
9290	U-DOZER BLADE	17,520	3.15	3.96	0.78	1.82	0.00	2.18	0.00	104
9295	D155A-1 H.S. 320 HP D	264,640	60.29	77.45	11.80	27.56	10.63	32.97	14.00	690
9300	ANGLE TILTDOZER BLADE	22,559	4.14	5.19	1.01	2.35	0.00	2.81	0.00	140
9305	U-DOZER BLADE	23,804	4.35	5.45	1.06	2.48	0.00	2.96	0.00	142
9310	D355A-3 H.S. 410 HP D	340,200	77.44	99.47	15.17	35.43	13.62	42.38	17.93	945
9315	U-DOZER BLADE	30,686	5.57	7.00	1.37	3.20	0.00	3.83	0.00	196
9320	STRAIGHT DOZER BLADE	27,961	5.29	6.60	1.25	2.91	0.00	3.49	0.00	184
9325	D455A-1 H.S. 620 HP D	550,988	110.47	137.63	22.65	51.77	20.59	59.77	27.12	1445
9330	FULL U-DOZER BLADE	72,927	12.91	16.32	3.25	7.59	0.00	9.09	0.00	229
9335	U-DOZER BLADE	68,525	12.14	15.33	3.05	7.13	0.00	8.53	0.00	211
9340	STRAIGHT DOZER BLADE	64,121	11.38	14.37	2.85	6.67	0.00	7.99	0.00	193
	TEREX (GM)									
9350	D700A P.S. (W/O BLADE) 205 HP D	163,720	40.06	51.38	7.22	16.34	6.81	19.47	8.97	409
9355	SEMI-U BLADE HYDRAULIC	16,121	2.77	3.52	0.72	1.68	0.00	2.01	0.00	58
9360	ANGLE BLADE HYDRAULIC	18,068	3.09	3.93	0.81	1.88	0.00	2.25	0.00	69
9365	FULL-U BLADE HYDRAULIC	18,488	3.17	4.03	0.83	1.93	0.00	2.31	0.00	68
9370	D750 P.S. (W/O BLADE) 260 HP D	191,564	44.83	57.64	8.53	19.94	8.63	23.87	11.37	555
9375	SEMI-U BLADE HYDRAULIC	22,825	3.89	4.96	1.01	2.37	0.00	2.85	0.00	91
9380	ANGLE BLADE HYD. W/DUAL TILT	29,937	5.09	6.48	1.34	3.12	0.00	3.73	0.00	118
9385	FULL-U BLADE HYDRAULIC	24,942	4.25	5.41	1.12	2.60	0.00	3.11	0.00	107
9390	D800 P.S. (W/O BLADE) 350 HP D	257,314	60.25	77.47	11.47	26.79	11.62	32.05	15.31	787
9395	SEMI-U BLADE HYDRAULIC	29,818	5.14	6.52	1.33	3.11	0.00	3.71	0.00	118
9400	FULL-U BLADE HYDRAULIC	32,688	5.64	7.15	1.46	3.41	0.00	4.07	0.00	129

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D) ********** (ADD ATTACHMENTS TO TRACTOR)									
	TEREX (GM) (CONT'D)									
9405	CUSHIONED PUSH BLADE	28,567	4.92	6.25	1.28	2.98	0.00	3.56	0.00	113
9410	PUSH PLATE (WELD ON)	1,210	0.26	0.31	0.06	0.13	0.00	0.15	0.00	6
9415	PUSH BLOCK (CUSHION REAR)	7,617	1.39	1.75	0.34	0.79	0.00	0.95	0.00	21
	TRACTOR, WHEEL TYPE (DOZER) **********									
	CATERPILLAR									
9430	814-B ARTICULATED ST BLADE P.S. 210 HP D	169,844	36.77	48.82	7.49	17.78	6.46	21.32	8.50	465
9435	824-C ARTICULATED ST BLADE P.S. 310 HP D	247,451	55.68	76.20	10.75	25.25	9.54	30.25	12.55	624
9440	834-B ARTICULATED ST BLADE P.S. 450 HP D	365,667	79.52	107.43	15.81	37.00	13.85	44.30	18.22	892
	CLARK									
9450	280B ARTICULATED ST BLADE P.S. 302 HP D	263,903	58.55	80.49	11.44	26.83	9.30	32.13	12.23	749
9455	380B ARTICULATED ST BLADE P.S. 572 HP D	446,981	98.06	132.41	19.33	45.24	17.61	54.17	23.17	1253
	TRACTOR, WHEEL TYPE (FARM) **********									
	JOHN DEERE									
9470	MOD 401 D 62 HP D	19,898	5.74	7.54	0.88	2.09	1.91	2.51	2.51	47
9475	MOD 2150 50 HP D	16,368	4.75	6.35	0.72	1.69	1.54	2.03	2.02	50
9480	MOD 2350 62 HP D	18,036	5.50	7.32	0.79	1.86	1.91	2.23	2.51	66
9485	MOD 2750 83 HP D	22,082	6.94	9.16	0.98	2.31	2.55	2.77	3.36	73
	TRENCHER, CHAIN **********									
	DITCH WITCH									
9500	MOD C99 6"X24" TRENCH 9 HP G	3,465	1.32	1.71	0.16	0.35	0.53	0.41	0.70	6
9505	MOD 2200 8"X36" TRENCH 18 HP G	14,112	3.90	5.01	0.63	1.45	1.07	1.73	1.39	30
9510	MOD 2300 10"X36" TRENCH 28 HP G	19,605	5.64	7.27	0.87	2.01	1.66	2.40	2.17	33
9515	MOD 6510 12"X54" TRENCH 64 HP D	35,902	8.97	11.59	1.58	3.64	1.97	4.35	2.59	106

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRENCHER,CHAIN (CONT'D) **********									
	DITCH WITCH (CONT'D)									
9520	MOD R100 10"X72" TRENCH 105 HP D	73,385	17.29	22.28	3.24	7.49	3.23	8.95	4.25	176
	VERMEER									
9530	MOD V-430 10"X40" TRENCH 24 HP D	24,024	5.23	6.73	1.06	2.46	0.74	2.95	0.97	37
9535	MOD M-455 18"X72" TRENCH 44 HP D	47,225	10.19	13.11	2.08	4.82	1.35	5.76	1.78	82
9540	MOD M-475 18"X72" TRENCH 55 HP D	52,192	11.49	14.80	2.30	5.33	1.69	6.37	2.23	89
9545	MOD T-600024"X96" TRENCH 113 HP D	82,714	19.10	24.56	3.69	8.59	3.48	10.28	4.58	202
9550	MOD T-800B36"X96" TRENCH 175 HP D	162,520	35.69	45.81	7.24	16.88	5.39	20.19	7.09	419
	TRENCHER, WHEEL TYPE **********									
	BARBER-GREENE									
9565	MOD TA 56 16"X5'-10" TRENCH 100 HP D	146,451	29.90	38.28	6.53	15.22	3.08	18.19	4.05	254
9570	MOD TA 65 28"X7'-6" TRENCH 160 HP D	212,596	43.97	56.35	9.47	22.08	4.92	26.41	6.48	431
9575	MOD TA 77 32"X8'-6" TRENCH 160 HP D	281,352	56.16	71.90	12.54	29.23	4.92	34.96	6.48	605
	CLEVELAND									
9585	MOD 236 16"X72" TRENCH 67 HP D	105,604	21.34	27.34	4.70	10.96	2.06	13.12	2.71	180
9590	MOD 236HD 16"X72" TRENCH 67 HP D	114,127	22.87	29.27	5.09	11.86	2.06	14.18	2.71	200
9595	MOD 246 22"X72" TRENCH 67 HP D	118,139	23.57	30.18	5.26	12.27	2.06	14.68	2.71	206
9600	MOD7036 28"X84" TRENCH 102 HP D	148,413	30.31	38.84	6.61	15.41	3.14	18.44	4.13	455
9605	MOD 400WHD36"X114"TRENCH 175 HP D	277,464	56.06	71.80	12.36	28.82	5.39	34.48	7.09	659

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT						VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCKS, HIGHWAY ********** (CHASSIS ONLY)														
	FORD														
9620	F150	4X2	1/2T PKUP	6100 GVW	137 HP	G	8,939	4.67	6.03	0.50	1.27	1.85	1.48	2.47	38
9625	F150	4X4	1/2T PKUP	6250 GVW	137 HP	G	11,096	5.23	6.76	0.62	1.59	1.85	1.86	2.47	42
9630	F250	4X2	3/4T PKUP	6900 GVW	137 HP	G	9,844	4.93	6.36	0.55	1.39	1.85	1.63	2.47	40
9635	F250	4X4	3/4T PKUP	7400 GVW	137 HP	G	11,587	5.40	6.96	0.65	1.65	1.85	1.93	2.47	44
9640	F350	2AX		10000 GVW	137 HP	G	10,530	5.17	6.66	0.59	1.47	1.85	1.71	2.47	42
9645	F600	2AX		18500 GVW	154 HP	G	18,400	9.97	13.05	0.87	2.01	4.85	2.52	6.24	65
9650	F600	2AX		18500 GVW	162 HP	D	25,431	8.36	11.16	1.21	2.82	2.72	3.56	3.54	65
9655	F700	2AX		24500 GVW	177 HP	G	21,279	11.43	14.98	1.01	2.34	5.58	2.95	7.17	65
9660	F700	2AX		24500 GVW	162 HP	D	28,730	8.97	11.97	1.37	3.21	2.72	4.04	3.54	73
9665	F800	2AX		27000 GVW	177 HP	G	23,453	11.87	15.58	1.11	2.57	5.58	3.24	7.17	72
9670	F800	2AX		27000 GVW	162 HP	D	30,116	9.52	12.70	1.41	3.24	2.72	4.08	3.54	76
9675	LT800	3AX		43000 GVW	223 HP	G	36,585	21.31	27.96	1.76	4.22	10.44	5.35	13.45	110
9680	LT8000	3AX		44800 GVW	175 HP	D	50,158	15.85	21.22	2.42	5.82	4.41	7.38	5.73	126
9685	LTS8000	3AX		46000 GVW	175 HP	D	52,498	16.31	21.83	2.53	6.09	4.41	7.72	5.73	130
9690	LNT8000	3AX		46000 GVW	175 HP	D	49,637	15.77	21.10	2.39	5.74	4.41	7.28	5.73	124
9695	CT8000	3AX		46000 GVW	175 HP	D	57,855	17.32	23.22	2.80	6.75	4.41	8.56	5.73	136
9700	LT9000	3AX	58000 GVW	82000 GCW	239 HP	D	76,178	23.13	30.99	3.68	8.88	6.02	11.26	7.83	172
9705	LTS9000	3AX	60000 GVW	82000 GCW	239 HP	D	80,922	24.09	32.27	3.91	9.42	6.02	11.94	7.83	180
9710	LNT9000	3AX	60000 GVW	82000 GCW	239 HP	D	76,767	23.30	31.20	3.70	8.90	6.02	11.30	7.83	175
9715	CLT9000	3AX		82000 GCW	286 HP	D	75,365	24.38	32.61	3.66	8.83	7.21	11.20	9.37	149
	GMC AND CHEVROLET														
9725	C10903	4X2	1/2T PKUP	6100 GVW	165 HP	G	8,951	5.16	6.70	0.50	1.27	2.23	1.48	2.97	46
9730	C10906	4X2	SUBURBAN	6800 GVW	165 HP	G	11,542	5.82	7.50	0.66	1.66	2.23	1.92	2.97	52
9735	K10906	4X4	SUBURBAN	7000 GVW	165 HP	G	12,700	6.13	7.91	0.72	1.83	2.23	2.13	2.97	56
9740	C20903	4X2	3/4T PKUP	8600 GVW	165 HP	G	10,660	5.59	7.24	0.60	1.52	2.23	1.78	2.97	49
9745	K20903	4X4	3/4T PKUP	6600 GVW	165 HP	G	12,400	6.06	7.82	0.70	1.78	2.23	2.08	2.97	54

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCKS, HIGHWAY (CONT'D) ********** (CHASSIS ONLY)									
	GMC AND CHEVROLET (CONT'D)									
9750	C30903 2AX 9000 GVW 160 HP G	11,990	5.93	7.65	0.67	1.68	2.16	1.96	2.88	62
9755	C5D042 2AX 18500 GVW 161 HP G	16,968	9.99	13.07	0.80	1.84	5.07	2.31	6.52	59
9760	C6D042 2AX 19200 GVW 161 HP G	18,417	10.25	13.42	0.87	2.01	5.07	2.52	6.52	63
9765	C6D042 2AX 23160 GVW 165 HP D	26,066	8.54	11.39	1.24	2.90	2.77	3.65	3.60	73
9770	C7D042 2AX 23160 GVW 179 HP G	19,570	11.25	14.70	0.92	2.12	5.64	2.66	7.25	78
9775	C7D042 2AX 29900 GVW 225 HP D	38,875	12.28	16.40	1.86	4.33	3.78	5.46	4.91	96
9780	C7D064 3AX 44860 GVW 207 HP G	35,079	20.19	26.48	1.67	3.97	9.69	5.02	12.48	123
9785	C7D064 3AX 44500 GVW 205 HP D	42,089	15.34	20.43	2.02	4.83	5.17	6.12	6.72	127
9790	J8C042 2AX 33200 GVW 235 HP D	48,160	17.25	23.01	2.33	5.63	5.92	7.14	7.70	107
9795	J8C064 3AX 48860 GVW 210 HP D	54,193	17.76	23.75	2.62	6.31	5.29	8.00	6.88	140
9800	J9C042 2AX 53911 GVW 230 HP D	53,379	15.17	20.34	2.54	5.94	3.86	7.50	5.02	122
9805	J9C064 3AX 48860 GVW 300 HP D	63,038	22.33	29.79	3.06	7.39	7.56	9.37	9.83	144
9810	N9E064 3AX 52000 GVW 307 HP D	65,236	23.20	30.88	3.14	7.55	7.74	9.56	10.06	141
9815	N9E064 3AX 62000 GVW 307 HP D	76,175	25.37	33.85	3.67	8.84	7.74	11.21	10.06	180
	INTERNATIONAL									
9825	1654 2AX 16000 GVW 155 HP D	19,431	7.04	9.37	0.92	2.16	2.60	2.73	3.39	57
9830	1724 2AX 16000 GVW 147 HP G	17,377	9.41	12.32	0.83	1.92	4.63	2.42	5.95	65
9835	1754 2AX 16000 GVW 165 HP D	24,966	8.26	11.01	1.20	2.81	2.77	3.54	3.60	71
9840	1954 2AX 21700 GVW 180 HP D	31,527	9.85	13.17	1.51	3.53	3.02	4.46	3.93	100
9845	F2554 3AX 43000 GVW 210 HP D	50,324	17.04	22.76	2.43	5.84	5.29	7.40	6.88	123
9850	F2574 3AX 50000 GVW 230 HP D	66,474	20.72	27.75	3.23	7.81	5.80	9.92	7.53	123
9855	F4370 3AX 48860 GVW 300 HP D	69,781	23.61	31.54	3.40	8.22	7.56	10.43	9.83	133
9860	F5050 3AX 54000 GVW 210 HP D	67,962	20.36	27.30	3.31	8.00	5.29	10.15	6.88	138
9865	F5070 3AX 54000 GVW 230 HP D	71,023	21.58	28.93	3.46	8.37	5.80	10.63	7.53	140

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCKS, HIGHWAY (CONT'D) ********** (CHASSIS ONLY)									
	KENWORTH									
9875	K100 3AX 48000 GVW 85000 GCW 300 HP D	74,695	24.62	32.91	3.63	8.78	7.56	11.14	9.83	138
9880	W900 3AX 48000 GVW 85000 GCW 300 HP D	75,270	24.74	33.07	3.66	8.86	7.56	11.24	9.83	140
9885	C500 3AX 56000 GVW 85000 GCW 270 HP D	80,917	24.83	33.27	3.94	9.55	6.80	12.12	8.85	144
	PETERBILT									
9895	MOD 348 3AX 50000 GVW 85000 GCW 245 HP D	82,963	24.66	33.11	4.02	9.72	6.17	12.33	8.03	121
9900	MOD 362 3AX 46000 GVW 85000 GCW 300 HP D	72,862	24.27	32.45	3.53	8.55	7.56	10.87	9.83	131
9905	MOD 359 3AX 46000 GVW 85000 GCW 300 HP D	70,275	23.79	31.78	3.41	8.24	7.56	10.46	9.83	134
9910	MOD 353 3AX 56000 GVW 130000 GCW 350 HP D	78,446	26.94	35.98	3.82	9.25	8.82	11.73	11.47	174
	TRUCK ACCESSORIES ********** (CHASIS NOT INCLUDED)									
	CRANES, HYDRAULIC									
9925	5.3T@5'RAD 24000 GVW MIN	27,130	5.40		1.36	3.37	0.00			79
9930	8.0T@3'RAD 26500 GVW MIN	32,585	6.47		1.64	4.05	0.00			84
9935	12.5T@4'RAD 27000 GVW MIN	50,489	9.97		2.53	6.28	0.00			142
9940	13.5T@4'RAD 44000 GVW MIN	62,400	12.29		3.12	7.75	0.00			158
9945	15.0T@4'RAD 48000 GVW MIN	69,114	13.60		3.46	8.59	0.00			211
	DUMP BODY, REAR, W/HOIST									
9955	5CY 24000 TO 26000 GVW	6,520	1.37	1.83	0.33	0.82	0.00	1.03	0.00	26
9960	AIR GATE 8CY 27000 TO 30000 GVW	10,311	2.10	2.84	0.52	1.28	0.00	1.63	0.00	44
9965	AIR GATE 10CY 36000 AND UP GVW	10,428	2.12	2.87	0.52	1.29	0.00	1.65	0.00	45
9970	AIR GATE 12CY 36000 AND UP GVW	10,578	2.16	2.92	0.53	1.32	0.00	1.68	0.00	46
	FLATBEDS W/CONT. SIDES									
9980	8'X9.5'	2,105	0.41		0.10	0.26	0.00			11
9985	8'X10.5'	2,174	0.43		0.12	0.28	0.00			12

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCK ACCESSORIES (CONT'D) ********** (CHASIS NOT INCLUDED)									
	FLATBEDS W/CONT. SIDES (CONT'D)									
9990	8'X12.5'	2,379	0.47		0.12	0.30	0.00			14
9995	8'X14.5'	2,825	0.55		0.14	0.35	0.00			16
10000	8'X16.5'	3,096	0.61		0.16	0.39	0.00			18
10005	FLATBED-HOIST	2,920	0.57		0.14	0.36	0.00			10
	HOISTS, ELECTRIC									
10015	1500LB@1.75'	2,478	0.58		0.12	0.31	0.00			4
10020	2400LB@3'	2,884	0.66		0.14	0.36	0.00			6
10025	5000LB@4'	7,967	1.65		0.40	0.99	0.00			15
10030	6000LB@6'	8,981	1.85		0.45	1.12	0.00			14
	TRANSIT MIXERS									
10040	7 CY 40000 - 50000 GVW RQD	28,112	5.62		1.41	3.49	0.00			63
10045	8 CY 50000 - 70000 GVW RQD	28,552	5.71		1.43	3.55	0.00			66
10050	8.5CY 55000 - 75000 GVW RQD	28,849	5.76		1.44	3.58	0.00			68
10055	9 CY 61000 - 80000 GVW RQD	29,274	5.85		1.47	3.64	0.00			73
	WATER TANKS									
10065	2000 GAL 23500-28000 GVW	12,540	2.45		0.63	1.56	0.00			35
10070	2500 GAL 25000-34950 GVW	13,216	2.59		0.67	1.65	0.00			39
10075	3000 GAL 29000-40000 GVW	14,052	2.75		0.71	1.75	0.00			44
	TRUCK TRAILERS **********									
	BOTTOM DUMP									
10090	18CY 27T	27,630	4.75	6.01	1.19	2.78	0.00	3.33	0.00	122
10095	20CY 30T	32,767	5.55	7.05	1.42	3.33	0.00	4.00	0.00	140
10100	30CY 30T	33,122	5.61	7.10	1.44	3.37	0.00	4.03	0.00	160
10105	28CY 42T	39,451	6.74	8.53	1.70	3.96	0.00	4.75	0.00	180

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	GWT
	TRUCK TRAILERS (CONT'D) **********									
	BOTTOM DUMP (CONT'D)									
10110	20CY 35T OFF-HIGHWAY	46,487	7.78	9.87	2.03	4.77	0.00	5.72	0.00	175
10115	32CY 55T OFF-HIGHWAY	98,238	16.90	21.38	4.19	9.72	0.00	11.64	0.00	365
10120	43CY 70T OFF-HIGHWAY	109,554	18.93	23.91	4.66	10.79	0.00	12.90	0.00	445
	END DUMP									
10130	20CY 24T	36,628	6.17	7.81	1.60	3.76	0.00	4.49	0.00	146
	LOWBOY, RIGID NECK, DROP DECK									
10140	25 TON 2 AXLE	21,718	3.35		0.90	1.87	0.00			89
10145	30 TON 2 AXLE	24,069	3.69		0.99	2.08	0.00			94
10150	35 TON 2 AXLE	26,270	3.99		1.09	2.28	0.00			109
10155	35 TON 3 AXLE	30,260	4.70		1.25	2.59	0.00			134
10160	40 TON 3 AXLE	31,591	4.92		1.30	2.69	0.00			144
10165	50 TON 3 AXLE	36,355	5.59		1.51	3.14	0.00			161
10170	60 TON 3 AXLE	39,300	6.17		1.61	3.30	0.00			188
10175	70 TON 3 AXLE	47,709	7.31		1.97	4.10	0.00			213
10180	75 TON 3 AXLE	49,200	7.51		2.04	4.24	0.00			228
10185	80 TON 4 AXLE	56,265	8.49		2.34	4.92	0.00			266
10190	90 TON 4 AXLE	60,658	9.24		2.51	5.24	0.00			297
10195	100 TON 4 AXLE	67,739	10.30		2.81	5.86	0.00			313
10200	120 TON 4 AXLE	78,672	12.18		3.21	6.64	0.00			351
10205	HELPER DOLLY 60 T TRAILER MAX	18,622	2.96		0.76	1.56	0.00			62
	PLATFORM TRAILERS									
10215	25 TON 2 AXLE	17,681	2.83		0.72	1.47	0.00			110

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCK TRAILERS (CONT'D) **********									
	PUP TRAILERS									
10225	8 CY LONG TONGUE	21,749	3.40		0.89	1.85	0.00			86
10230	10CY LONG TONGUE	21,915	3.42		0.90	1.87	0.00			86
	TILT TRAILERS									
10240	12 TON 2 AXLE	11,601	1.91		0.47	0.96	0.00			62
10245	16 TON 2 AXLE	13,284	2.19		0.53	1.08	0.00			65
10250	20 TON 2 AXLE	14,443	2.38		0.58	1.18	0.00			67
	WATER TANKER TRAILERS									
10260	4000 GAL 63 HP D	33,123	6.71		1.34	2.91	1.94			120
10265	5000 GAL 63 HP D	35,023	7.04		1.38	2.98	1.94			150
10270	6000 GAL 63 HP D	36,585	7.24		1.45	3.12	1.94			160
	TRUCKS, OFF-HIGHWAY **********									
	CATERPILLAR									
10285	769-C 35T 22-30 CY P.S. 450 HP D	294,469	56.08	72.43	11.82	26.50	8.75	30.54	11.30	711
10290	773-B 50T 30-45 CY P.S. 650 HP D	414,218	80.86	105.22	16.53	36.91	12.64	42.52	16.32	908
10295	777 85T 47-67 CY P.S. 870 HP D	587,116	111.02	144.22	23.21	51.42	16.91	59.19	21.85	1410
10300	768C PRIME MOVER TRACTOR P.S. 450 HP D	259,623	51.41	66.69	10.38	23.23	8.75	26.76	11.30	523
10305	772B PRIME MOVER TRACTOR P.S. 650 HP D	389,455	79.71	105.08	15.38	34.06	12.64	39.22	16.32	716
10310	776 PRIME MOVER TRACTOR P.S. 870 HP D	519,294	103.66	136.35	20.24	44.36	16.91	51.02	21.85	1120
	DJB/CATERPILLAR (ARTICULATED FRAME)									
10320	D-25C 25T 14-18 CY P.S. 260 HP D	201,489	37.58	48.75	8.01	17.86	5.05	20.58	6.53	424
10325	D-35C 35T 18-25 CY P.S. 260 HP D	255,936	44.90	57.72	10.25	22.98	5.05	26.48	6.53	526
10330	D350C 35T 20-26 CY P.S. 260 HP D	257,951	46.27	59.94	10.21	22.64	5.05	26.07	6.53	514
10335	D400 40T 23-31 CY P.S. 385 HP D	293,930	54.36	70.08	11.69	26.03	7.48	29.97	9.67	568
10340	D-44 44T 23-31 CY P.S. 450 HP D	353,475	64.95	83.82	14.13	31.58	8.75	36.39	11.30	684

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCKS, OFF-HIGHWAY (CONT'D) **********									
	DJB/CATERPILLAR (CONT'D) (ARTICULATED FRAME)									
10345	D550 55T 32-43 CY P.S. 450 HP D	420,200	75.62	97.71	16.66	37.03	8.75	42.64	11.30	834
	EUCLID									
10355	R25-215FD 25T 14-19 CY P.S. 214 HP D	198,014	34.24	43.82	7.93	17.78	4.16	20.49	5.37	404
10360	R35-302TD 35T 22-30 CY P.S. 450 HP D	315,528	58.90	75.90	12.68	28.47	8.75	32.82	11.30	623
10365	R50-301LD 50T 31-41 CY P.S. 608 HP D	415,907	79.99	104.08	16.60	37.07	11.82	42.70	15.27	836
10370	R75-301ND 75T 46-69 CY P.S. 646 HP D	555,786	99.99	129.63	22.01	48.85	12.56	56.25	16.22	1123
10375	R85-306ND 85T 52-67 CY P.S. 755 HP D	572,436	106.05	137.93	22.60	50.03	14.68	57.60	18.96	1227
	TEREX									
10385	33-03B 22T 15-18 CY P.S. 215 HP D	176,049	31.89	41.06	7.08	15.90	4.18	18.32	5.40	400
10390	33-05B 30T 19-23 CY P.S. 321 HP D	256,731	46.99	60.67	10.30	23.11	6.24	26.64	8.06	525
10395	33-07 40T 25-32 CY P.S. 493 HP D	317,756	63.42	83.32	12.59	27.95	9.58	32.18	12.38	756
10400	33-09 55T 34-44 CY P.S. 624 HP D	428,503	84.27	110.64	16.99	37.73	12.13	43.45	15.67	992
10405	33-11D 85T 51-65 CY P.S. 840 HP D	631,570	116.20	150.53	25.03	55.59	16.33	64.01	21.09	1350
10410	33-14 120T 65-88 CY P.S.1092 HP D	923,654	166.28	215.35	36.61	81.33	21.23	93.66	27.42	1950
	WABCO									
10420	HAULPAK35D 35T 23-29 CY P.S. 420 HP D	313,271	57.82	74.53	12.59	28.26	8.16	32.58	10.55	630
10425	HAULPAK50B 50T 31-40 CY P.S. 576 HP D	446,627	83.28	108.07	17.86	39.95	11.20	46.04	14.46	792
10430	HAULPAK60B 60T 34-48 CY P.S. 642 HP D	479,882	91.64	119.71	19.10	42.56	12.48	49.02	16.12	900
10435	75C 75T 44-57 CY P.S. 679 HP D	544,003	98.67	127.68	21.58	47.98	13.20	55.26	17.05	950
10440	85D 85T 47-67 CY P.S. 818 HP D	608,677	112.55	146.00	24.08	53.43	15.90	61.52	20.54	1240
10445	100 100T 47-77 CY P.S.1050 HP D	740,350	140.58	183.71	29.08	64.12	20.41	73.78	26.37	1606

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCKS, WATER **********									
	TRACTOR DRAWN - KLEIN									
10460	KT-50 5000 GAL. CAT 613B P.S. 150 HP D	139,950	25.55	31.56	5.57	12.08	4.62	13.88	6.07	320
10465	KT-60 6000 GAL. CAT 621B P.S. 330 HP D	247,745	48.78	60.66	9.77	20.99	10.16	24.08	13.36	564
10470	KT-80 8000 GAL. CAT 631D P.S. 450 HP D	345,594	67.90	84.44	13.59	29.14	13.85	33.42	18.22	751
10475	KT-100 10000 GAL. CAT 631D P.S. 450 HP D	354,315	69.04	85.81	13.95	29.93	13.85	34.33	18.22	811
10480	KT-100 10000 GAL. CAT 651E P.S. 550 HP D	427,310	83.66	104.03	16.80	36.04	16.93	41.35	22.27	1001
10485	KT-120 12000 GAL. CAT 651E P.S. 550 HP D	433,781	84.51	105.04	17.07	36.63	16.93	42.02	22.27	1097
	TRACTOR DRAWN - SOUTHWEST									
10495	STT-60 6000 GAL. CAT 621B P.S. 330 HP D	248,210	48.84	60.72	9.79	21.03	10.16	24.12	13.36	594
10500	STT-80 8000 GAL. CAT 631D P.S. 450 HP D	342,030	67.43	83.89	13.45	28.82	13.85	33.06	18.22	811
10505	STT-100 10000 GAL. CAT 631D P.S. 450 HP D	346,646	68.03	84.60	13.63	29.23	13.85	33.53	18.22	840
10510	STT-120 12000 GAL. CAT 651E P.S. 550 HP D	443,664	85.80	106.58	17.47	37.52	16.93	43.05	22.27	1135
10515	STT-140 14000 GAL. CAT 651E P.S. 550 HP D	450,263	86.66	107.61	17.74	38.12	16.93	43.73	22.27	1170
	WAGONS, BOTTOM DUMP **********									
	CATERPILLAR-ATHEY									
10530	621B/PW621B 33T 22-25CY P.S. 330 HP D	269,532	54.43	71.05	10.71	23.83	10.16	27.45	13.36	579
10535	768C/PW768C 63T 42-48CY P.S. 450 HP D	399,347	79.37	103.38	15.76	34.91	13.85	40.20	18.22	935
10540	772B/PW772B 100T 60-67CY P.S. 650 HP D	636,326	125.73	164.97	25.02	55.24	20.01	63.58	26.32	1360
	EUCLID									
10550	B30-303TDT301W 30T 21-27CY P.S. 277 HP D	254,732	50.15	65.43	10.11	22.45	8.53	25.85	11.22	483
10555	B70-203LDT147W 70T 47-62CY P.S. 456 HP D	431,543	81.51	105.32	17.11	38.02	14.04	43.78	18.47	934

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	WAGONS, REAR DUMP **********									
	CATERPILLAR-ATHEY									
10570	621B/PR621B 33T 22-26CY P.S. 330 HP D	280,002	55.84	72.78	11.14	24.82	10.16	28.59	13.36	630
10575	631D/PR631D 40T 27-32CY P.S. 450 HP D	402,140	78.78	102.46	16.04	35.80	13.85	41.24	18.22	833
	WATER BLASTER **********									
	ACE									
10590	MOD S6 3000GE PORTABLE 3000 PSI 18 HP D	4,783	2.51		0.28	0.73	0.82			3
10595	MOD S5 3500GE PORTABLE 3000 PSI 18 HP D	4,862	2.53		0.28	0.74	0.82			3
10600	MOD S5 3000E SKID MTD 3000 PSI 10 HP E	3,994	1.21		0.23	0.60	0.00			3
10605	MOD S6 3000E SKID MTD 3000 PSI 15 HP E	4,566	1.39		0.26	0.69	0.00			3
	AMERICAN AERO/WEATHERFORD									
10615	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	35,078	16.05		2.07	5.51	4.13			42
10620	WBD150 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	53,128	25.61		3.15	8.38	7.26			70
	WATER TANKS **********									
	SKID MOUNTED									
10635	WST-8 8000 GAL. SOUTHWEST	16,409	2.05		0.67	1.48	0.00			107
10640	WST-10 10000 GAL. SOUTHWEST	19,111	2.39		0.79	1.73	0.00			122
10645	WST-12 12000 GAL. SOUTHWEST	22,235	2.77		0.91	2.01	0.00			142
	PORTABLE (WITH WHEELS)									
10655	EWT-8 8000 GAL. SOUTHWEST 8 HP G	29,628	4.39		1.19	2.59	0.48			130
10660	EWT-10 10000 GAL. SOUTHWEST 8 HP G	33,564	4.88		1.35	2.95	0.48			170
10665	EWT-12 12000 GAL. SOUTHWEST 8 HP G	37,219	5.33		1.50	3.28	0.48			185

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	WELDERS *******									
	ELECTRIC DRIVE - AC 3 PHASE 60 HZ									
10680	300 AMP SKID MTD 20 HP E	2,516	2.43		0.13	0.30	1.56			7
10685	400 AMP SKID MTD 25 HP E	3,009	3.01		0.15	0.36	1.95			9
	GASOLINE ENGINE DRIVE									
10695	200 AMP W/1 AXLE TRLR 39 HP G	5,037	4.45		0.25	0.56	2.84			11
10700	250 AMP W/1 AXLE TRLR 39 HP G	5,315	4.49		0.25	0.58	2.84			17
10705	300 AMP W/1 AXLE TRLR 65 HP G	5,773	6.94		0.28	0.64	4.74			17
10710	400 AMP W/1 AXLE TRLR 69 HP G	7,347	7.58		0.35	0.81	5.03			21
	DIESEL ENGINE DRIVE									
10720	250 AMP W/1 AXLE TRLR 27 HP D	6,876	2.53		0.32	0.75	1.03			21
10725	300 AMP W/1 AXLE TRLR 38 HP D	7,349	3.15		0.36	0.82	1.45			21
10730	350 AMP W/2 AXLE TRLR 38 HP D	8,269	3.33		0.39	0.90	1.45			25
10735	400 AMP W/2 AXLE TRLR 64 HP D	8,953	4.68		0.43	0.98	2.44			30
	MIG									
10745	300AMP W/WIRE FEED AND SHOP GEAR 10 HP E	2,556	1.42		0.13	0.31	0.78			5
10750	450AMP W/WIRE FEED AND SHOP GEAR 20 HP E	2,630	2.45		0.13	0.31	1.56			5
	RECTIFIER									
10760	200 AMP W/SHOP RUNNING GEAR 19 HP E	1,160	2.11		0.06	0.14	1.48			4
10765	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,490	2.67		0.08	0.18	1.87			6
10770	750 AMP W/SHOP RUNNING GEAR 30 HP E	4,059	3.69		0.21	0.49	2.34			7
10775	1000AMP W/SHOP RUNNING GEAR 42 HP E	7,104	5.40		0.36	0.85	3.28			10
	TRANSFORMER-RECTIFIER									
10785	250 AMP W/SHOP RUNNING GEAR 19 HP E	538	2.00		0.02	0.06	1.48			4
10790	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,779	2.71		0.09	0.21	1.87			6

TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

The "Age Adjustment Factors for Ownership Costs" in TABLE 3-2 are used when the age of an item of equipment is other than the age of the equipment listed in TABLE 3-1. The factors given in TABLE 3-2 are multiplied by the hourly ownership costs shown in TABLE 3-1 and result in an ownership rate adjusted for the actual age of the equipment being considered. When the "life" of the equipment has exceeded the economic service life given in APPENDIX D, the age will be determined as given in paragraph 3-2.f.

Examples: Assume that a two-year old 50-ton truck crane listed in TABLE 3-1 has a total hourly rate of $55.00 per hour and an ownership rate of $30.00 per hour.

A. If an equivalent crane owned by a contractor had been purchased new in 1981, the total hourly rate can be determined as follows:

Total Hourly Rate	= $55.00/Hr.
Ownership Rate	(-) $30.00/Hr.
Ownership adjusted for Age:	
(Ownership Rate) x (Age Adj. Factor)	
= ($30.00) x (.88)	= (+) $26.40/Hr.
Adjusted Total Hourly Rate	= $51.40/Hr.

B. If an equivalent crane owned by a Contractor had been purchased new in 1970, this crane is over-age and the total hourly rate can be determined as follows:

Total Hourly Rate	= $55.00/Hr.
Ownership Rate	(-) $30.00/Hr.
Ownership adjusted for Age:	
(Ownership Rate) x (Oldest Age Adj. Factor)	
= ($30.00) x (.60)	= (+) $18.00/Hr.
Adjusted Total Hourly Rate	= $43.00/Hr.

C. If an equivalent crane, manufactured in 1970, had been purchased used in 1978 by the Contractor, the crane is over-age and the rate computation would be identical to Example B.

D. If an equivalent crane, manufactured in 1981, had been purchased used in 1983 by the Contractor, the used crane is not over-age and the rate computation would be identical to Example A.

TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
15	AGGREGATE SPREADERS	1.04	1.00	1.00	0.97	0.95	0.97	0.90						
30	AIR COMPRESSORS	1.04	1.00	1.00	0.96	0.97	0.95	0.88						
45	AIR TOOLS, SANDBLASTERS, ETC	1.04	1.00	1.00										
60	ASPHALT DISTRIBUTORS	1.04	1.00	1.00	0.97	0.95	0.97	0.90						
65	ASPHALT AND CONCRETE PAVERS	1.04	1.00	1.00	0.97	0.95	0.97	0.90						
70	ASPHALT KETTLES AND RECYCLERS	1.05	1.01	1.00	0.98	0.96								
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.05	1.01	1.00	0.98	0.97	0.94	0.86						
80	BRUSH CHIPPERS	1.05	1.01	1.00	0.98	0.97	0.94	0.87						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.06	1.02	1.00	0.97	0.96	0.98	0.92						
95	BUCKETS, CONCRETE	1.06	1.02	1.00	0.97	0.96	0.98	0.92						
105	CONCRETE OR GROUT PUMP	1.05	1.01	1.00	0.98	0.97								
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.05	1.01	1.00	0.98	0.97								
125	CONCRETE FINISHERS, BLASTERS & BUGGIES	1.05	1.01	1.00	0.98									
130	CONCRETE SAWS	1.05	1.01	1.00	0.98	0.97								
135	CONCRETE VIBRATORS	1.04	1.00	1.00										
140	COMPACTORS, MANUALLY OPERATED	1.04	1.00	1.00	0.97									
	CRANE, CRAWLER TYPE													
150	0 THRU 25 TON	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80					
165	OVER 25 TON THRU 50 TON	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.64			
170	OVER 50 TON THRU 150 TON	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.64	0.58		
180	OVER 150 TON	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.64	0.59	0.55	0.49
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80					
190	OVER 1 CY THRU 2-1/2 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.64			
195	OVER 2-1/2 CY THRU 5 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.72	0.65	0.60		
196	OVER 5 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.64	0.59	0.55	0.49
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.65			
205	CRANES, TOWER	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.79	0.70	0.63	0.57		
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.64			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.72	0.65	0.60		
230	66 THRU 125 T	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.72	0.65	0.60	0.56	0.50
240	OVER 125 T	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.81	0.72	0.65	0.60	0.56	0.51
255	DRILL, AUGER	1.02	0.99	1.00	0.99	1.00	0.99	0.91						
270	DRILL, BLAST HOLE	1.02	0.99	1.00	0.99	1.00	0.99	0.91						
300	DRILL, CORE	1.02	0.99	1.00	0.99	1.00	0.99	0.91						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	0.99	1.00	0.99	1.00	0.99	0.91	0.77	0.66	0.61			
330	DRILL, ROTARY OVER 11" DIA.	1.02	0.99	1.00	0.99	1.00	0.99	0.91	0.78	0.67	0.62	0.56	0.53	0.50
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	0.99	1.00	0.99	1.00	0.99	0.91	0.78	0.67	0.62	0.56	0.53	0.50
375	FORK LIFTS	1.05	1.01	1.00	0.98	0.97	0.94	0.86						
390	GRADERS	1.04	1.00	1.00	0.97	0.97	0.94	0.85	0.76					
420	GENERATORS	1.04	1.00	1.00	0.96	0.94								
435	HOIST	1.05	1.01	1.00	0.98	0.97	0.94	0.87						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
438	LAWN MOWERS	1.05	1.01	1.00										
440	LIGHT PLANTS	1.05	1.01	1.00	0.98	0.96								
450	LOADER, BELT	1.05	1.01	1.00	0.98	0.97	0.94	0.86						
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.03	1.00	1.00	1.01	1.01	0.97	0.87						
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.04	1.00	1.00	0.99	0.97	0.94	0.84						
470	OVER 225 HP	1.04	1.00	1.00	0.99	0.97	0.95	0.85	0.71					

TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.04	1.00	1.00	0.99	0.97	0.94	0.84						
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.06	1.02	1.00	0.98									
485	PIPELAYERS	1.04	1.00	1.00	1.01	1.01	0.96	0.87	0.78					
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.05	1.01	1.00	0.98	0.96	0.94	0.86						
500	PUMP, WATER, ELECTRIC DRIVE	1.05	1.01	1.00	0.98	0.96	0.94	0.86						
510	RIPPERS	1.03	1.00	1.00	1.01	1.01								
525	ROLLERS,EXCEPT VIB. ROLLERS	1.06	1.02	1.00	0.95	0.90	0.81	0.74						
530	ROLLERS, VIBRATORY	1.06	1.02	1.00	0.95	0.90								
535	ROOFING EQUIPMENT	1.04	1.00	1.00	0.97									
540	SCRAPERS, STANDARD	1.04	1.00	1.00	0.97	0.97	0.95	0.86						
542	SCRAPERS, TANDEM POWERED	1.04	1.00	1.00	0.97	0.97	0.95	0.86						
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.04	1.00	1.00	0.97	0.97	0.94	0.85						
550	OVER 200 HP	1.04	1.00	1.00	0.97	0.97	0.95	0.86						
555	SCRAPERS, TRACTOR DRAWN	1.04	1.00	1.00	0.97	0.97	0.94	0.86	0.77					
560	SOIL STABILIZERS	1.04	1.00	1.00	0.97	0.97	0.94	0.85						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.09	1.03	1.00	0.98	0.96								
585	OVER 1 CY THRU 2-1/2 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.87						
595	OVER 2-1/2 CY THRU 5 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80					
600	OVER 5 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71				
601	OVER 2-1/2 CY ELECTRIC	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.64	0.58		
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.04	1.00	1.00	1.01	1.01	0.96	0.86						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.03	1.00	1.00	1.01	1.01	0.97	0.87						
625	OVER 425 HP	1.03	1.00	1.00	1.01	1.01	0.97	0.88	0.79					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.03	1.00	1.00	1.01	1.01	0.97	0.87						
645	TRACTOR, WHEEL TYPE	1.04	1.00	1.00	0.95	0.92	0.91	0.83						
650	TRENCHER	1.05	1.01	1.00	0.99	0.97	0.90	0.77						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.05	1.01	1.00	0.98	0.97	0.94	0.87						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.06	1.01	1.00	0.98	0.96	0.93	0.85						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.05	1.01	1.00	0.98	0.97								
675	ALL OTHER ACCESSORIES	1.05	1.01	1.00	0.98	0.97								
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.16	1.06	1.00	0.97									
695	OVER 10,000 THRU 30,000 GVW	1.15	1.06	1.00	0.97	0.92								
705	OVER 30,000 GVW	1.15	1.06	1.00	0.97	0.92								
720	TRUCK, OFF-HIGHWAY	1.04	1.00	1.00	0.99	0.98	0.95	0.87	0.75					
765	WAGON, BOTTOM & REAR DUMP	1.04	1.00	1.00	0.99	0.98	0.95	0.87	0.75					
780	WAGON, WATER	1.04	1.00	1.00	0.99	0.98	0.95	0.86	0.74					
785	WATER BLASTER	1.05	1.01	1.00	0.98									
795	WATER TANKS	1.05	1.01	1.00	0.98	0.97	0.94	0.87	0.77					
810	WELDERS	1.05	1.01	1.00	0.98	0.96								
811	WELDERS ELECTRIC POWER	1.05	1.01	1.00	0.98	0.96								

EQUIPMENT RATE CALCULATIONS

FOR USE WITH EP 1110-1-8

DATE	SHT OF		
PROJECT	EFFECTIVE PERIOD		
LOCATION	ESTIMATOR	CHECKED BY	

OPERATIONAL SHIFTS

SPECIAL INFORMATION

EQUIPMENT (a)	UNIT NO. (b)	YEAR PURCHASE (c)	KEY NO. (d)	APPROX. LIFE APPD'X D (e)	HOUR RATE 3-1 (f)	OWNER-SHIP RATE 3-1 (g)	AGE ADJUST FACTOR 3-2 (h)	SHIFT ADJUST FACTOR 3-4 (i)	ADJUSTED OWNISHP RATE (g x h x i) (j)	OPERATING EXPENSE (f-g) (k)	ADJUSTED RATE (j+k) (l)

TABLE 3-3. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.03	1.00	1.00	0.99	0.97	0.95	0.86						
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.01	1.00	0.98									
485	PIPELAYERS	1.03	1.00	1.00	1.01	1.01	0.97	0.89	0.81					
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.04	1.01	1.00	0.98	0.97	0.95	0.88						
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.01	1.00	0.98	0.97	0.95	0.88						
510	RIPPERS	1.03	1.00	1.00	1.01	1.01								
525	ROLLERS,EXCEPT VIB. ROLLERS	1.05	1.02	1.00	0.96	0.91	0.83	0.77						
530	ROLLERS, VIBRATORY	1.06	1.02	1.00	0.96	0.91								
535	ROOFING EQUIPMENT	1.03	1.00	1.00	0.97									
540	SCRAPERS, STANDARD	1.03	1.00	1.00	0.97	0.97	0.95	0.87						
542	SCRAPERS, TANDEM POWERED	1.03	1.00	1.00	0.97	0.97	0.95	0.87						
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.03	1.00	1.00	0.97	0.97	0.95	0.87						
550	OVER 200 HP	1.03	1.00	1.00	0.97	0.97	0.95	0.87						
555	SCRAPERS, TRACTOR DRAWN	1.03	1.00	1.00	0.97	0.97	0.95	0.87	0.80					
560	SOIL STABILIZERS	1.03	1.00	1.00	0.97	0.97	0.95	0.87						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.08	1.03	1.00	0.98	0.96								
585	OVER 1 CY THRU 2-1/2 CY	1.07	1.03	1.00	0.98	0.97	0.94	0.88						
595	OVER 2-1/2 CY THRU 5 CY	1.07	1.02	1.00	0.98	0.97	0.95	0.88	0.82					
600	OVER 5 CY	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74				
601	OVER 2-1/2 CY ELECTRIC	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74	0.68	0.64		
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.03	1.00	1.00	1.01	1.01	0.97	0.88						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.03	1.00	1.00	1.01	1.01	0.97	0.88						
625	OVER 425 HP	1.03	1.00	1.00	1.01	1.01	0.97	0.89	0.81					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.03	1.00	1.00	1.01	1.01	0.97	0.88						
645	TRACTOR, WHEEL TYPE	1.03	1.00	1.00	0.96	0.93	0.92	0.85						
650	TRENCHER	1.05	1.01	1.00	0.99	0.97	0.91	0.80						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.01	1.00	0.98	0.97	0.95	0.88						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.05	1.01	1.00	0.98	0.97	0.94	0.88						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.04	1.01	1.00	0.98	0.97								
675	ALL OTHER ACCESSORIES	1.04	1.01	1.00	0.98	0.97								
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.14	1.06	1.00	0.97									
695	OVER 10,000 THRU 30,000 GVW	1.13	1.05	1.00	0.97	0.93								
705	OVER 30,000 GVW	1.13	1.05	1.00	0.97	0.93								
720	TRUCK, OFF-HIGHWAY	1.03	1.00	1.00	0.99	0.98	0.96	0.88	0.77					
765	WAGON, BOTTOM & REAR DUMP	1.03	1.00	1.00	0.99	0.98	0.96	0.88	0.77					
780	WAGON, WATER	1.03	1.00	1.00	0.99	0.98	0.96	0.88	0.77					
785	WATER BLASTER	1.05	1.01	1.00	0.98									
795	WATER TANKS	1.04	1.01	1.00	0.98	0.97	0.95	0.88	0.79					
810	WELDERS	1.05	1.01	1.00	0.98	0.97								
811	WELDERS ELECTRIC POWER	1.05	1.01	1.00	0.98	0.97								

EQUIPMENT RATE CALCULATIONS

FOR USE WITH EP 1110-1-8

DATE		SHT	OF
PROJECT		EFFECTIVE PERIOD	
LOCATION	ESTIMATOR	CHECKED BY	

SPECIAL INFORMATION STANDBY

EQUIPMENT (a)	UNIT NO. (b)	YEAR PURCHASE (c)	KEY NO. (d)	STANDBY RATE 3-1 (e)	AGE FACTOR 3-3 (f)	ADJUSTED RATE (e x f) (g)	NUMBER ON SITE (h)	TOTAL COSTS (g x h) (i)			
TOTAL STANDBY COSTS / HOUR											

TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

The "Shift Adjustment Factors" in TABLE 3-4 are used when the working hours per week are greater than 40 hours per week. The factors given in TABLE 3-4 are multiplied by the adjusted hourly ownership cost (if adjusted for age) and result in an ownership rate adjusted for working hours other than 40 hours per week.

Example: Assume that the truck crane in Example A of TABLE 3-2 is to be worked 10 hours per day, 6 days per week. The total hourly rate for this piece of equipment (Service Life = 18,000 Hrs.) can be determined as follows:

Total Hourly Rate (adjusted for age)	= $51.40/Hr.
Ownership Rate (adjusted for age)	(-) $26.40/Hr.
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adj. Factor) = ($26.40) x (.88)	= (+) $23.23/Hr.
Adjusted Total Hourly Rate	= $48.23/Hr.

TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS (CONTINUED)

Service Life From APP. D	Equipment Useage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91
6,000	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.88
8,000	1.00	0.98	0.97	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86
9,000	1.00	0.98	0.96	0.94	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
10,000	1.00	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.84	0.83
11,000	1.00	0.97	0.96	0.93	0.92	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82
12,000	1.00	0.97	0.96	0.93	0.91	0.90	0.88	0.87	0.85	0.84	0.83	0.82	0.81
13,000	1.00	0.97	0.95	0.93	0.91	0.89	0.88	0.86	0.84	0.83	0.82	0.81	0.80
14,000	1.00	0.97	0.95	0.92	0.90	0.88	0.87	0.85	0.84	0.82	0.81	0.80	0.79
15,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.85	0.83	0.81	0.80	0.79	0.78
16,000	1.00	0.96	0.95	0.92	0.89	0.87	0.86	0.84	0.82	0.81	0.80	0.79	0.77
18,000	1.00	0.96	0.94	0.91	0.88	0.86	0.85	0.83	0.81	0.79	0.78	0.77	0.75
20,000	1.00	0.96	0.94	0.90	0.88	0.85	0.84	0.82	0.79	0.78	0.77	0.75	0.74
22,000	1.00	0.96	0.93	0.90	0.87	0.85	0.83	0.80	0.78	0.77	0.75	0.74	0.72
50,000	1.00	0.93	0.90	0.85	0.80	0.77	0.74	0.71	0.67	0.65	0.63	0.61	0.58

TABLE 3-5. HOURLY RATE ELEMENT

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1015	4.63	1.47	8.45	2.03	0.23	0.03	3.29	20.13								
1020	5.18	1.65	3.40	0.82	0.23	0.03	3.69	15.00								
1030	4.81	1.53	6.29	1.51	0.23	0.03	3.42	17.82								
1035	4.87	1.55	6.29	1.51	0.23	0.03	3.47	17.95								
1050	0.85	0.30	2.97	0.95	0.02	0.00	0.65	5.74								
1055	1.03	0.36	1.02	0.28	0.02	0.00	0.78	3.49								
1060	1.05	0.36	4.16	1.33	0.02	0.00	0.80	7.72								
1065	1.12	0.39	1.57	0.44	0.02	0.00	0.85	4.39								
1070	1.14	0.40	4.16	1.33	0.02	0.00	0.87	7.92								
1075	1.30	0.45	1.66	0.47	0.02	0.00	0.99	4.89								
1080	1.18	0.41	4.16	1.33	0.02	0.00	0.90	8.00								
1085	1.40	0.48	2.12	0.59	0.02	0.00	1.06	5.67								
1090	1.64	0.57	2.71	0.76	0.03	0.00	1.25	6.96								
1095	2.53	0.90	3.76	1.05	0.15	0.02	1.94	10.35								
1100	3.30	1.16	4.68	1.31	0.15	0.02	2.52	13.14								
1105	3.97	1.40	5.79	1.62	0.17	0.03	3.03	16.01								
1110	4.62	1.62	7.02	1.96	0.17	0.03	3.53	18.95								
1115	5.26	1.84	8.00	2.24	0.17	0.03	4.02	21.56								
1120	5.78	2.02	8.31	2.33	0.17	0.03	4.41	23.05								
1125	5.63	1.97	9.05	2.53	0.17	0.03	4.29	23.67								
1130	7.75	2.70	12.31	3.45	0.17	0.03	5.91	32.32								
1135	8.76	3.05	14.04	3.93	0.21	0.03	6.67	36.69								
1150	0.31	0.04	0.00	0.06	0.00	0.00	0.47	0.88								
1155	0.57	0.08	0.00	0.06	0.00	0.00	0.86	1.57								
1160	0.57	0.08	0.00	0.06	0.00	0.00	0.87	1.58								
1165	0.63	0.09	0.00	0.13	0.00	0.00	0.96	1.81								
1170	0.85	0.12	0.00	0.13	0.00	0.00	1.30	2.40								
1175	2.41	0.35	0.00	0.28	0.05	0.01	3.68	6.78								
1180	2.86	0.44	0.00	0.41	0.14	0.02	4.42	8.29								
1185	3.53	0.53	0.00	0.51	0.14	0.02	5.43	10.16								
1195	0.19	0.03	0.00	0.06	0.00	0.00	0.29	0.57								
1200	0.41	0.06	0.00	0.11	0.00	0.00	0.63	1.21								
1205	0.19	0.03	0.00	0.06	0.00	0.00	0.30	0.58								
1210	0.21	0.03	0.00	0.06	0.00	0.00	0.32	0.62								
1215	0.23	0.03	0.00	0.06	0.00	0.00	0.34	0.66								
1220	0.76	0.11	0.00	0.13	0.00	0.00	1.16	2.16								
1230	0.41	0.06	0.00	0.15	0.00	0.00	1.03	1.65								
1235	0.26	0.04	0.00	0.13	0.00	0.00	0.67	1.10								
1240	0.24	0.03	0.00	0.10	0.00	0.00	0.60	0.97								
1245	0.21	0.03	0.00	0.08	0.00	0.00	0.54	0.86								
1250	0.17	0.02	0.00	0.06	0.00	0.00	0.42	0.67								
1265	2.60	0.81	2.67	0.86	0.00	0.00	2.24	9.18								
1270	2.66	0.83	2.67	0.86	0.00	0.00	2.29	9.31								
1275	2.85	0.89	2.67	0.86	0.00	0.00	2.45	9.72								
1280	3.20	1.00	2.67	0.86	0.00	0.00	2.76	10.49								
1295	7.36	2.34	2.15	0.60	0.37	0.06	6.73	19.61								
1300	12.11	3.88	2.92	0.82	0.81	0.12	11.10	31.76								
1305	13.65	4.35	4.00	1.12	0.81	0.12	12.50	36.55								
1310	16.52	5.14	4.00	1.12	0.00	0.00	15.05	41.83								
1320	3.94	1.27	0.92	0.26	0.35	0.05	3.62	10.41								
1325	6.63	2.11	1.35	0.38	0.35	0.05	6.06	16.93								
1330	8.84	2.82	1.72	0.48	0.52	0.08	8.10	22.56								
1335	10.65	3.42	2.92	0.82	0.81	0.12	9.76	28.50								
1340	12.65	4.07	2.83	0.79	0.99	0.15	11.60	33.08								
1345	16.40	5.28	4.56	1.28	1.38	0.21	15.05	44.16								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1350	12.12	3.77	2.77	0.78	0.00	0.00	11.04	30.48								
1355	14.59	4.54	3.85	1.08	0.00	0.00	13.28	37.34								
1370	0.40	0.11	0.00	1.02	0.02	0.00	0.33	1.88								
1375	0.48	0.13	0.00	1.13	0.02	0.00	0.39	2.15								
1385	0.27	0.07	0.00	0.89	0.02	0.00	0.23	1.48								
1390	0.32	0.09	0.00	1.14	0.03	0.00	0.27	1.85								
1405	0.90	0.23	0.42	1.72	0.03	0.00	0.74	4.04								
1420	0.54	0.17	0.00	0.24	0.02	0.00	0.44	1.41								
1425	0.69	0.22	1.78	0.43	0.02	0.00	0.57	3.71								
1430	0.27	0.08	0.00	0.10	0.00	0.00	0.22	0.67								
1435	0.48	0.15	0.00	0.14	0.00	0.00	0.39	1.16								
1450	0.32	0.10	0.46	0.15	0.02	0.00	0.29	1.34								
1455	0.38	0.12	0.75	0.24	0.02	0.00	0.35	1.86								
1460	0.82	0.26	2.48	0.79	0.02	0.00	0.76	5.13								
1465	1.03	0.33	1.66	0.47	0.02	0.00	0.96	4.47								
1475	0.97	0.30	6.21	1.99	0.00	0.00	0.90	10.37								
1480	1.04	0.33	6.21	1.99	0.04	0.01	0.97	10.59								
1495	1.01	0.29	0.00	0.00	0.00	0.00	0.69	1.99	1.27	0.30	0.00	0.00	0.00	0.00	0.99	2.56
1500	1.09	0.31	0.00	0.00	0.00	0.00	0.74	2.14	1.36	0.32	0.00	0.00	0.00	0.00	1.06	2.74
1505	1.56	0.44	0.00	0.00	0.00	0.00	1.07	3.07	1.95	0.46	0.00	0.00	0.00	0.00	1.52	3.93
1510	1.81	0.52	0.00	0.00	0.00	0.00	1.24	3.57	2.27	0.53	0.00	0.00	0.00	0.00	1.77	4.57
1515	2.36	0.67	0.00	0.00	0.00	0.00	1.61	4.64	2.95	0.69	0.00	0.00	0.00	0.00	2.30	5.94
1520	2.50	0.71	0.00	0.00	0.00	0.00	1.71	4.92	3.13	0.73	0.00	0.00	0.00	0.00	2.44	6.30
1525	2.71	0.77	0.00	0.00	0.00	0.00	1.85	5.33	3.38	0.79	0.00	0.00	0.00	0.00	2.64	6.81
1530	2.98	0.85	0.00	0.00	0.00	0.00	2.03	5.86	3.73	0.87	0.00	0.00	0.00	0.00	2.91	7.51
1535	3.23	0.92	0.00	0.00	0.00	0.00	2.20	6.35	4.03	0.94	0.00	0.00	0.00	0.00	3.14	8.11
1540	3.43	0.98	0.00	0.00	0.00	0.00	2.34	6.75	4.28	1.00	0.00	0.00	0.00	0.00	3.34	8.62
1545	3.77	1.07	0.00	0.00	0.00	0.00	2.57	7.41	4.72	1.10	0.00	0.00	0.00	0.00	3.68	9.50
1550	3.92	1.12	0.00	0.00	0.00	0.00	2.67	7.71	4.90	1.15	0.00	0.00	0.00	0.00	3.82	9.87
1555	4.13	1.18	0.00	0.00	0.00	0.00	2.82	8.13	5.16	1.21	0.00	0.00	0.00	0.00	4.02	10.39
1560	4.33	1.23	0.00	0.00	0.00	0.00	2.95	8.51	5.41	1.27	0.00	0.00	0.00	0.00	4.22	10.90
1565	4.49	1.28	0.00	0.00	0.00	0.00	3.07	8.84	5.62	1.31	0.00	0.00	0.00	0.00	4.38	11.31
1575	1.32	0.37	0.00	0.00	0.00	0.00	0.90	2.59	1.65	0.39	0.00	0.00	0.00	0.00	1.28	3.32
1580	1.32	0.38	0.00	0.00	0.00	0.00	0.90	2.60	1.65	0.39	0.00	0.00	0.00	0.00	1.29	3.33
1585	1.92	0.55	0.00	0.00	0.00	0.00	1.31	3.78	2.40	0.56	0.00	0.00	0.00	0.00	1.87	4.83
1590	2.08	0.59	0.00	0.00	0.00	0.00	1.42	4.09	2.59	0.61	0.00	0.00	0.00	0.00	2.02	5.22
1595	2.64	0.75	0.00	0.00	0.00	0.00	1.80	5.19	3.30	0.77	0.00	0.00	0.00	0.00	2.57	6.64
1600	2.88	0.82	0.00	0.00	0.00	0.00	1.97	5.67	3.61	0.84	0.00	0.00	0.00	0.00	2.81	7.26
1605	3.29	0.94	0.00	0.00	0.00	0.00	2.24	6.47	4.11	0.96	0.00	0.00	0.00	0.00	3.20	8.27
1610	3.54	1.01	0.00	0.00	0.00	0.00	2.41	6.96	4.42	1.03	0.00	0.00	0.00	0.00	3.45	8.90
1615	3.80	1.08	0.00	0.00	0.00	0.00	2.59	7.47	4.75	1.11	0.00	0.00	0.00	0.00	3.70	9.56
1620	4.16	1.18	0.00	0.00	0.00	0.00	2.84	8.18	5.20	1.22	0.00	0.00	0.00	0.00	4.05	10.47
1625	4.39	1.25	0.00	0.00	0.00	0.00	2.99	8.63	5.48	1.28	0.00	0.00	0.00	0.00	4.27	11.03
1630	4.60	1.31	0.00	0.00	0.00	0.00	3.14	9.05	5.75	1.34	0.00	0.00	0.00	0.00	4.48	11.57
1635	4.84	1.38	0.00	0.00	0.00	0.00	3.30	9.52	6.06	1.42	0.00	0.00	0.00	0.00	4.72	12.20
1640	5.05	1.44	0.00	0.00	0.00	0.00	3.44	9.93	6.31	1.48	0.00	0.00	0.00	0.00	4.92	12.71
1645	5.25	1.49	0.00	0.00	0.00	0.00	3.58	10.32	6.56	1.53	0.00	0.00	0.00	0.00	5.12	13.21
1655	1.49	0.42	0.00	0.00	0.00	0.00	1.02	2.93	1.86	0.44	0.00	0.00	0.00	0.00	1.45	3.75
1660	1.52	0.43	0.00	0.00	0.00	0.00	1.04	2.99	1.90	0.44	0.00	0.00	0.00	0.00	1.48	3.82
1665	2.19	0.62	0.00	0.00	0.00	0.00	1.49	4.30	2.73	0.64	0.00	0.00	0.00	0.00	2.13	5.50
1670	2.67	0.76	0.00	0.00	0.00	0.00	1.82	5.25	3.33	0.78	0.00	0.00	0.00	0.00	2.60	6.71
1675	3.07	0.87	0.00	0.00	0.00	0.00	2.09	6.03	3.84	0.90	0.00	0.00	0.00	0.00	2.99	7.73
1680	3.33	0.95	0.00	0.00	0.00	0.00	2.27	6.55	4.16	0.97	0.00	0.00	0.00	0.00	3.24	8.37
1685	3.67	1.04	0.00	0.00	0.00	0.00	2.50	7.21	4.58	1.07	0.00	0.00	0.00	0.00	3.57	9.22
1690	3.94	1.12	0.00	0.00	0.00	0.00	2.69	7.75	4.92	1.15	0.00	0.00	0.00	0.00	3.84	9.91

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1695	4.04	1.15	0.00	0.00	0.00	0.00	2.75	7.94	5.05	1.18	0.00	0.00	0.00	0.00	3.93	10.16
1700	4.37	1.24	0.00	0.00	0.00	0.00	2.98	8.59	5.46	1.28	0.00	0.00	0.00	0.00	4.25	10.99
1705	4.62	1.32	0.00	0.00	0.00	0.00	3.15	9.09	5.78	1.35	0.00	0.00	0.00	0.00	4.50	11.63
1710	4.86	1.38	0.00	0.00	0.00	0.00	3.32	9.56	6.08	1.42	0.00	0.00	0.00	0.00	4.74	12.24
1715	5.17	1.47	0.00	0.00	0.00	0.00	3.52	10.16	6.46	1.51	0.00	0.00	0.00	0.00	5.03	13.00
1720	5.36	1.53	0.00	0.00	0.00	0.00	3.65	10.54	6.70	1.57	0.00	0.00	0.00	0.00	5.22	13.49
1725	5.61	1.60	0.00	0.00	0.00	0.00	3.83	11.04	7.02	1.64	0.00	0.00	0.00	0.00	5.47	14.13
1740	0.26	0.08	0.00	0.00	0.00	0.00	0.19	0.53								
1745	0.27	0.08	0.00	0.00	0.00	0.00	0.20	0.55								
1750	0.28	0.09	0.00	0.00	0.00	0.00	0.20	0.57								
1755	0.29	0.09	0.00	0.00	0.00	0.00	0.21	0.59								
1760	0.33	0.10	0.00	0.00	0.00	0.00	0.24	0.67								
1765	0.42	0.13	0.00	0.00	0.00	0.00	0.31	0.86								
1770	0.50	0.16	0.00	0.00	0.00	0.00	0.36	1.02								
1775	0.57	0.18	0.00	0.00	0.00	0.00	0.42	1.17								
1785	0.13	0.04	0.00	0.00	0.00	0.00	0.09	0.26								
1790	0.16	0.05	0.00	0.00	0.00	0.00	0.12	0.33								
1795	0.21	0.07	0.00	0.00	0.00	0.00	0.15	0.43								
1800	0.30	0.09	0.00	0.00	0.00	0.00	0.21	0.60								
1805	0.37	0.12	0.00	0.00	0.00	0.00	0.27	0.76								
1815	0.53	0.17	0.00	0.00	0.00	0.00	0.39	1.09								
1820	0.55	0.17	0.00	0.00	0.00	0.00	0.40	1.12								
1825	0.58	0.18	0.00	0.00	0.00	0.00	0.42	1.18								
1830	0.76	0.24	0.00	0.00	0.00	0.00	0.55	1.55								
1835	0.79	0.25	0.00	0.00	0.00	0.00	0.58	1.62								
1840	1.14	0.36	0.00	0.00	0.00	0.00	0.83	2.33								
1845	1.37	0.43	0.00	0.00	0.00	0.00	0.99	2.79								
1855	0.60	0.19	0.00	0.00	0.00	0.00	0.44	1.23								
1860	0.67	0.21	0.00	0.00	0.00	0.00	0.49	1.37								
1865	0.78	0.25	0.00	0.00	0.00	0.00	0.57	1.60								
1870	0.87	0.27	0.00	0.00	0.00	0.00	0.63	1.77								
1875	1.02	0.32	0.00	0.00	0.00	0.00	0.74	2.08								
1890	0.31	0.09	0.00	0.00	0.00	0.00	0.21	0.61	0.38	0.09	0.00	0.00	0.00	0.00	0.30	0.77
1895	0.36	0.10	0.00	0.00	0.00	0.00	0.25	0.71	0.45	0.11	0.00	0.00	0.00	0.00	0.35	0.91
1900	0.44	0.13	0.00	0.00	0.00	0.00	0.30	0.87	0.56	0.13	0.00	0.00	0.00	0.00	0.43	1.12
1905	0.53	0.15	0.00	0.00	0.00	0.00	0.36	1.04	0.66	0.15	0.00	0.00	0.00	0.00	0.51	1.32
1910	0.62	0.18	0.00	0.00	0.00	0.00	0.42	1.22	0.77	0.18	0.00	0.00	0.00	0.00	0.60	1.55
1915	0.76	0.22	0.00	0.00	0.00	0.00	0.52	1.50	0.95	0.22	0.00	0.00	0.00	0.00	0.74	1.91
1920	0.84	0.24	0.00	0.00	0.00	0.00	0.57	1.65	1.05	0.25	0.00	0.00	0.00	0.00	0.82	2.12
1925	1.03	0.29	0.00	0.00	0.00	0.00	0.70	2.02	1.28	0.30	0.00	0.00	0.00	0.00	1.00	2.58
1930	1.09	0.31	0.00	0.00	0.00	0.00	0.74	2.14	1.36	0.32	0.00	0.00	0.00	0.00	1.06	2.74
1935	1.32	0.37	0.00	0.00	0.00	0.00	0.90	2.59	1.65	0.38	0.00	0.00	0.00	0.00	1.28	3.31
1940	1.43	0.41	0.00	0.00	0.00	0.00	0.97	2.81	1.78	0.42	0.00	0.00	0.00	0.00	1.39	3.59
1945	1.56	0.44	0.00	0.00	0.00	0.00	1.06	3.06	1.95	0.46	0.00	0.00	0.00	0.00	1.52	3.93
1950	1.73	0.49	0.00	0.00	0.00	0.00	1.18	3.40	2.16	0.51	0.00	0.00	0.00	0.00	1.68	4.35
1955	2.00	0.57	0.00	0.00	0.00	0.00	1.36	3.93	2.50	0.58	0.00	0.00	0.00	0.00	1.95	5.03
1960	2.17	0.62	0.00	0.00	0.00	0.00	1.48	4.27	2.71	0.63	0.00	0.00	0.00	0.00	2.11	5.45
1965	2.67	0.76	0.00	0.00	0.00	0.00	1.82	5.25	3.33	0.78	0.00	0.00	0.00	0.00	2.60	6.71
1970	3.07	0.87	0.00	0.00	0.00	0.00	2.09	6.03	3.83	0.90	0.00	0.00	0.00	0.00	2.99	7.72
1980	0.36	0.10	0.00	0.00	0.00	0.00	0.24	0.70	0.45	0.10	0.00	0.00	0.00	0.00	0.35	0.90
1985	0.44	0.12	0.00	0.00	0.00	0.00	0.30	0.86	0.55	0.13	0.00	0.00	0.00	0.00	0.43	1.11
1990	0.54	0.15	0.00	0.00	0.00	0.00	0.37	1.06	0.68	0.16	0.00	0.00	0.00	0.00	0.53	1.37
1995	0.65	0.18	0.00	0.00	0.00	0.00	0.44	1.27	0.81	0.19	0.00	0.00	0.00	0.00	0.63	1.63
2000	0.74	0.21	0.00	0.00	0.00	0.00	0.51	1.46	0.93	0.22	0.00	0.00	0.00	0.00	0.73	1.88
2005	0.89	0.25	0.00	0.00	0.00	0.00	0.61	1.75	1.11	0.26	0.00	0.00	0.00	0.00	0.87	2.24

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
2010	0.98	0.28	0.00	0.00	0.00	0.00	0.67	1.93	1.23	0.29	0.00	0.00	0.00	0.00	0.96	2.48
2015	1.18	0.34	0.00	0.00	0.00	0.00	0.81	2.33	1.48	0.35	0.00	0.00	0.00	0.00	1.15	2.98
2020	1.26	0.36	0.00	0.00	0.00	0.00	0.86	2.48	1.58	0.37	0.00	0.00	0.00	0.00	1.23	3.18
2025	1.62	0.46	0.00	0.00	0.00	0.00	1.10	3.18	2.02	0.47	0.00	0.00	0.00	0.00	1.58	4.07
2030	1.67	0.48	0.00	0.00	0.00	0.00	1.14	3.29	2.09	0.49	0.00	0.00	0.00	0.00	1.63	4.21
2035	1.91	0.54	0.00	0.00	0.00	0.00	1.30	3.75	2.39	0.56	0.00	0.00	0.00	0.00	1.86	4.81
2040	2.10	0.60	0.00	0.00	0.00	0.00	1.43	4.13	2.63	0.61	0.00	0.00	0.00	0.00	2.05	5.29
2045	2.52	0.72	0.00	0.00	0.00	0.00	1.72	4.96	3.15	0.74	0.00	0.00	0.00	0.00	2.45	6.34
2050	2.68	0.76	0.00	0.00	0.00	0.00	1.83	5.27	3.35	0.78	0.00	0.00	0.00	0.00	2.61	6.74
2055	3.42	0.97	0.00	0.00	0.00	0.00	2.33	6.72	4.27	1.00	0.00	0.00	0.00	0.00	3.33	8.60
2060	3.81	1.08	0.00	0.00	0.00	0.00	2.60	7.49	4.76	1.11	0.00	0.00	0.00	0.00	3.71	9.58
2070	1.43	0.41	0.00	0.00	0.00	0.00	0.97	2.81	1.78	0.42	0.00	0.00	0.00	0.00	1.39	3.59
2075	1.48	0.42	0.00	0.00	0.00	0.00	1.01	2.91	1.85	0.43	0.00	0.00	0.00	0.00	1.44	3.72
2080	1.66	0.47	0.00	0.00	0.00	0.00	1.13	3.26	2.08	0.49	0.00	0.00	0.00	0.00	1.62	4.19
2085	2.22	0.63	0.00	0.00	0.00	0.00	1.51	4.36	2.78	0.65	0.00	0.00	0.00	0.00	2.16	5.59
2090	2.48	0.71	0.00	0.00	0.00	0.00	1.69	4.88	3.10	0.73	0.00	0.00	0.00	0.00	2.42	6.25
2095	2.56	0.73	0.00	0.00	0.00	0.00	1.75	5.04	3.21	0.75	0.00	0.00	0.00	0.00	2.50	6.46
2100	2.75	0.78	0.00	0.00	0.00	0.00	1.87	5.40	3.43	0.80	0.00	0.00	0.00	0.00	2.68	6.91
2105	3.49	0.99	0.00	0.00	0.00	0.00	2.38	6.86	4.37	1.02	0.00	0.00	0.00	0.00	3.40	8.79
2110	3.59	1.02	0.00	0.00	0.00	0.00	2.45	7.06	4.49	1.05	0.00	0.00	0.00	0.00	3.50	9.04
2115	4.57	1.30	0.00	0.00	0.00	0.00	3.12	8.99	5.71	1.34	0.00	0.00	0.00	0.00	4.45	11.50
2120	4.73	1.35	0.00	0.00	0.00	0.00	3.23	9.31	5.91	1.38	0.00	0.00	0.00	0.00	4.61	11.90
2125	5.63	1.60	0.00	0.00	0.00	0.00	3.84	11.07	7.03	1.64	0.00	0.00	0.00	0.00	5.48	14.15
2130	5.99	1.71	0.00	0.00	0.00	0.00	4.09	11.79	7.49	1.75	0.00	0.00	0.00	0.00	5.84	15.08
2145	0.86	0.24	0.00	0.00	0.00	0.00	0.58	1.68	1.07	0.25	0.00	0.00	0.00	0.00	0.84	2.16
2150	1.10	0.31	0.00	0.00	0.00	0.00	0.75	2.16	1.37	0.32	0.00	0.00	0.00	0.00	1.07	2.76
2155	1.50	0.43	0.00	0.00	0.00	0.00	1.03	2.96	1.88	0.44	0.00	0.00	0.00	0.00	1.47	3.79
2160	1.99	0.57	0.00	0.00	0.00	0.00	1.36	3.92	2.49	0.58	0.00	0.00	0.00	0.00	1.94	5.01
2165	2.98	0.85	0.00	0.00	0.00	0.00	2.03	5.86	3.72	0.87	0.00	0.00	0.00	0.00	2.90	7.49
2170	3.39	0.97	0.00	0.00	0.00	0.00	2.31	6.67	4.24	0.99	0.00	0.00	0.00	0.00	3.31	8.54
2175	4.11	1.17	0.00	0.00	0.00	0.00	2.80	8.08	5.14	1.20	0.00	0.00	0.00	0.00	4.01	10.35
2180	5.00	1.42	0.00	0.00	0.00	0.00	3.41	9.83	6.25	1.46	0.00	0.00	0.00	0.00	4.87	12.58
2185	6.06	1.73	0.00	0.00	0.00	0.00	4.13	11.92	7.58	1.77	0.00	0.00	0.00	0.00	5.91	15.26
2190	7.04	2.00	0.00	0.00	0.00	0.00	4.80	13.84	8.79	2.06	0.00	0.00	0.00	0.00	6.85	17.70
2200	0.23	0.05	0.25	0.06	0.00	0.00	0.28	0.87								
2205	0.23	0.05	0.25	0.06	0.00	0.00	0.28	0.87								
2210	0.42	0.08	0.33	0.08	0.00	0.00	0.51	1.42								
2215	0.33	0.07	0.41	0.10	0.00	0.00	0.40	1.31								
2220	0.42	0.08	0.49	0.12	0.00	0.00	0.51	1.62								
2225	0.18	0.04	0.33	0.08	0.00	0.00	0.22	0.85								
2230	0.26	0.05	0.57	0.14	0.00	0.00	0.31	1.33								
2235	0.26	0.05	0.41	0.10	0.00	0.00	0.31	1.13								
2240	0.26	0.05	0.25	0.06	0.00	0.00	0.32	0.94								
2245	0.31	0.06	0.25	0.06	0.00	0.00	0.38	1.06								
2250	0.32	0.06	0.33	0.08	0.00	0.00	0.39	1.18								
2255	0.16	0.03	0.33	0.08	0.00	0.00	0.20	0.80								
2260	0.23	0.05	0.33	0.08	0.00	0.00	0.28	0.97								
2265	0.44	0.09	0.21	0.05	0.00	0.00	0.53	1.32								
2270	0.61	0.12	0.41	0.10	0.00	0.00	0.74	1.98								
2275	0.77	0.15	0.21	0.05	0.00	0.00	0.93	2.11								
2280	1.14	0.23	0.30	0.07	0.00	0.00	1.39	3.13								
2285	1.14	0.23	0.21	0.05	0.00	0.00	1.39	3.02								
2290	1.32	0.26	0.17	0.04	0.00	0.00	1.61	3.40								
2295	1.81	0.36	0.34	0.08	0.00	0.00	2.21	4.80								
2300	2.27	0.45	0.56	0.13	0.00	0.00	2.77	6.18								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
2305	0.48	0.09	0.74	0.18	0.00	0.00	0.58	2.07								
2310	0.50	0.10	0.30	0.07	0.00	0.00	0.61	1.58								
2315	1.68	0.34	0.47	0.11	0.00	0.00	2.05	4.65								
2320	1.54	0.31	0.34	0.08	0.00	0.00	1.88	4.15								
2325	1.73	0.35	0.34	0.08	0.00	0.00	2.11	4.61								
2340	7.80	1.56	1.36	0.38	0.00	0.00	6.41	17.51								
2355	0.24	0.05	0.32	0.10	0.00	0.00	0.20	0.91								
2365	0.62	0.12	0.51	0.16	0.00	0.00	0.51	1.92								
2380	0.20	0.04	0.45	0.14	0.00	0.00	0.16	0.99								
2385	0.79	0.16	1.02	0.33	0.00	0.00	0.65	2.95								
2390	1.02	0.20	1.02	0.33	0.00	0.00	0.83	3.40								
2400	0.08	0.02	0.09	0.05	0.02	0.00	0.07	0.33								
2405	0.14	0.03	0.36	0.18	0.02	0.00	0.12	0.85								
2410	0.08	0.02	0.09	0.05	0.02	0.00	0.07	0.33								
2415	0.28	0.06	0.55	0.27	0.02	0.00	0.24	1.42								
2420	0.29	0.06	0.45	0.14	0.02	0.00	0.24	1.20								
2425	0.21	0.05	0.45	0.14	0.02	0.00	0.18	1.05								
2440	11.16	3.47	4.37	1.22	0.00	0.00	10.17	30.39								
2445	21.20	6.60	6.40	1.79	0.00	0.00	19.31	55.30								
2450	37.72	11.74	7.69	2.15	0.00	0.00	34.35	93.65								
2455	43.45	13.52	12.31	3.45	0.00	0.00	39.57	112.30								
2465	2.24	0.70	3.86	1.24	0.04	0.01	2.04	10.13								
2470	10.36	3.22	3.08	0.86	0.00	0.00	9.43	26.95								
2485	2.67	0.63	0.54	0.15	0.07	0.01	2.32	6.39								
2490	3.06	0.73	0.91	0.25	0.07	0.01	2.66	7.69								
2495	0.87	0.21	0.00	0.19	0.04	0.01	0.76	2.08								
2500	1.72	0.41	0.00	0.31	0.04	0.01	1.50	3.99								
2510	4.85	1.13	2.81	0.79	0.02	0.00	4.21	13.81								
2525	5.96	1.39	4.99	1.40	0.02	0.00	5.17	18.93								
2530	15.67	3.69	9.88	2.77	0.27	0.04	13.61	45.93								
2540	4.92	1.15	3.04	0.85	0.02	0.00	4.27	14.25								
2545	7.62	1.80	6.89	1.93	0.15	0.02	6.62	25.03								
2550	7.83	1.85	6.89	1.93	0.15	0.02	6.81	25.48								
2555	10.46	2.45	8.03	2.25	0.07	0.01	9.07	32.34								
2560	13.44	3.14	13.61	3.81	0.07	0.01	11.66	45.74								
2565	15.98	3.80	8.23	2.30	0.66	0.10	13.89	44.96								
2570	23.08	5.46	8.23	2.30	0.68	0.10	20.05	59.90								
2575	28.27	6.70	11.24	3.15	0.93	0.14	24.57	75.00								
2590	0.17	0.04	0.66	0.21	0.00	0.00	0.16	1.24								
2595	0.21	0.05	0.98	0.31	0.00	0.00	0.19	1.74								
2600	0.21	0.05	1.15	0.37	0.00	0.00	0.19	1.97								
2605	0.47	0.12	1.15	0.37	0.00	0.00	0.43	2.54								
2610	0.59	0.15	1.47	0.47	0.00	0.00	0.55	3.23								
2615	0.67	0.17	2.46	0.79	0.00	0.00	0.62	4.71								
2620	0.98	0.25	2.87	0.92	0.00	0.00	0.91	5.93								
2625	1.32	0.34	5.32	1.70	0.00	0.00	1.22	9.90								
2635	1.08	0.28	0.82	0.26	0.00	0.00	1.00	3.44								
2640	1.19	0.31	2.87	0.92	0.00	0.00	1.10	6.39								
2645	0.13	0.03	0.66	0.21	0.00	0.00	0.12	1.15								
2650	0.19	0.05	0.90	0.29	0.00	0.00	0.17	1.60								
2655	0.20	0.05	0.41	0.13	0.00	0.00	0.19	0.98								
2660	0.59	0.15	1.47	0.47	0.00	0.00	0.55	3.23								
2665	0.78	0.20	2.87	0.92	0.00	0.00	0.72	5.49								
2670	1.31	0.34	5.32	1.70	0.00	0.00	1.21	9.88								
2690	16.26	6.73	2.77	0.55	0.00	0.00	12.93	39.24	18.76	6.80	3.51	0.70	0.00	0.00	16.78	46.55

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
2695	16.35	6.77	2.22	0.44	0.00	0.00	10.57	36.35	18.87	6.84	2.86	0.57	0.00	0.00	13.13	42.27
2705	17.84	7.38	2.22	0.44	0.00	0.00	11.53	39.41	20.59	7.47	2.86	0.57	0.00	0.00	14.33	45.82
2715	18.64	7.71	2.43	0.49	0.00	0.00	12.04	41.31	21.51	7.80	3.14	0.63	0.00	0.00	14.96	48.04
2725	22.27	9.21	4.08	0.82	0.00	0.00	17.71	54.09	25.69	9.32	5.17	1.03	0.00	0.00	22.98	64.19
2730	21.80	9.02	3.27	0.65	0.00	0.00	14.08	48.82	25.15	9.12	4.22	0.84	0.00	0.00	17.50	56.83
2740	18.04	9.82	3.27	0.72	0.00	0.00	14.36	46.21	20.29	9.89	4.22	0.93	0.00	0.00	17.23	52.56
2750	22.11	12.04	3.27	0.72	0.00	0.00	17.61	55.75	24.88	12.12	4.22	0.93	0.00	0.00	21.13	63.28
2760	30.20	16.44	5.58	1.23	0.00	0.00	24.04	77.49	33.97	16.55	7.21	1.59	0.00	0.00	28.85	88.17
2770	31.58	17.19	5.58	1.23	0.00	0.00	25.14	80.72	35.53	17.31	7.21	1.59	0.00	0.00	30.17	91.81
2775	32.47	15.92	6.97	1.53	0.00	0.00	29.04	85.93	36.53	16.05	8.83	1.94	0.00	0.00	36.31	99.66
2785	34.19	18.61	5.58	1.23	0.00	0.00	27.22	86.83	38.46	18.74	7.21	1.59	0.00	0.00	32.67	98.67
2795	32.34	19.45	5.58	1.34	0.00	0.00	29.18	87.89	35.94	19.56	7.21	1.73	0.00	0.00	34.33	98.77
2805	34.00	20.45	5.58	1.34	0.00	0.00	30.68	92.05	37.78	20.57	7.21	1.73	0.00	0.00	36.10	103.39
2825	11.78	4.27	1.63	0.52	0.00	0.00	6.44	24.64	13.92	4.34	2.11	0.67	0.00	0.00	8.30	29.34
2835	13.38	4.85	2.14	0.68	0.00	0.00	7.31	28.36	15.81	4.93	2.76	0.88	0.00	0.00	9.43	33.81
2845	13.08	5.41	2.18	0.44	0.00	0.00	8.45	29.56	15.09	5.47	2.81	0.56	0.00	0.00	10.50	34.43
2860	12.33	5.10	2.14	0.43	0.00	0.00	7.96	27.96	14.22	5.16	2.76	0.55	0.00	0.00	9.90	32.59
2870	15.33	6.34	2.14	0.43	0.00	0.00	9.90	34.14	17.69	6.42	2.76	0.55	0.00	0.00	12.31	39.73
2880	15.22	8.28	3.46	0.76	0.00	0.00	12.12	39.84	17.12	8.34	4.47	0.98	0.00	0.00	14.54	45.45
2890	18.04	9.82	4.04	0.89	0.00	0.00	14.36	47.15	20.29	9.89	5.22	1.15	0.00	0.00	17.24	53.79
2900	22.41	12.20	4.04	0.89	0.00	0.00	17.84	57.38	25.21	12.28	5.22	1.15	0.00	0.00	21.41	65.27
2910	26.17	14.24	4.76	1.05	0.00	0.00	20.83	67.05	29.44	14.34	6.15	1.35	0.00	0.00	25.00	76.28
2920	32.02	17.43	4.76	1.05	0.00	0.00	25.49	80.75	36.02	17.55	6.15	1.35	0.00	0.00	30.59	91.66
2930	39.48	23.74	8.75	2.10	0.00	0.00	35.62	109.69	43.86	23.88	11.30	2.71	0.00	0.00	41.91	123.66
2940	49.86	29.99	8.75	2.10	0.00	0.00	44.99	135.69	55.40	30.16	11.30	2.71	0.00	0.00	52.93	152.50
2950	81.76	49.17	11.66	2.80	0.00	0.00	73.77	219.16	90.84	49.45	15.07	3.62	0.00	0.00	86.79	245.77
2960	97.85	58.85	11.66	2.80	0.00	0.00	88.30	259.46	108.73	59.19	15.07	3.62	0.00	0.00	103.88	290.49
2975	23.22	11.39	6.97	1.53	0.00	0.00	20.77	63.88	26.12	11.48	8.83	1.94	0.00	0.00	25.97	74.34
2980	23.88	13.00	5.58	1.23	0.00	0.00	19.01	62.70	26.87	13.09	7.21	1.59	0.00	0.00	22.82	71.58
2990	28.22	15.36	5.83	1.28	0.00	0.00	22.47	73.16	31.75	15.47	7.53	1.66	0.00	0.00	26.96	83.37
3000	39.06	19.16	8.75	1.92	0.00	0.00	34.94	103.83	43.94	19.31	11.08	2.44	0.00	0.00	43.68	120.45
3005	35.34	21.25	7.00	1.68	0.00	0.00	31.89	97.16	39.26	21.37	9.04	2.17	0.00	0.00	37.51	109.35
3015	52.15	31.37	13.32	3.20	0.00	0.00	47.06	147.10	57.94	31.54	17.20	4.13	0.00	0.00	55.36	166.17
3020	51.60	31.04	16.65	3.99	0.00	0.00	54.78	158.06	57.34	31.21	21.08	5.06	0.00	0.00	66.95	181.64
3035	17.95	6.05	4.62	1.48	0.00	0.00	12.49	42.59	21.53	6.16	5.85	1.87	0.00	0.00	17.12	52.53
3040	13.10	5.42	3.69	0.74	0.00	0.00	8.46	31.41	15.12	5.48	4.77	0.95	0.00	0.00	10.52	36.84
3050	15.00	6.20	4.62	0.92	0.00	0.00	11.92	38.66	17.30	6.28	5.85	1.17	0.00	0.00	15.48	46.08
3055	13.68	5.66	3.69	0.74	0.00	0.00	8.84	32.61	15.78	5.72	4.77	0.95	0.00	0.00	10.98	38.20
3065	17.33	7.17	5.78	1.16	0.00	0.00	13.78	45.22	20.00	7.25	7.33	1.47	0.00	0.00	17.89	53.94
3070	17.25	7.14	4.63	0.93	0.00	0.00	11.14	41.09	19.90	7.22	5.98	1.20	0.00	0.00	13.85	48.15
3080	21.55	8.92	5.78	1.16	0.00	0.00	17.14	54.55	24.87	9.02	7.33	1.47	0.00	0.00	22.25	64.94
3085	16.51	8.99	4.63	1.02	0.00	0.00	13.15	44.30	18.58	9.05	5.98	1.31	0.00	0.00	15.78	50.70
3095	19.72	9.67	5.78	1.27	0.00	0.00	17.64	54.08	22.19	9.75	7.33	1.61	0.00	0.00	22.05	62.93
3100	19.09	10.39	4.63	1.02	0.00	0.00	15.20	50.33	21.48	10.47	5.98	1.31	0.00	0.00	18.24	57.48
3110	34.28	11.56	7.46	1.64	0.00	0.00	30.67	85.61	41.14	11.77	9.80	2.16	0.00	0.00	40.89	105.76
3115	23.62	9.77	6.39	1.28	0.00	0.00	18.78	59.84	27.25	9.88	8.10	1.62	0.00	0.00	24.38	71.23
3120	23.23	9.61	5.11	1.02	0.00	0.00	15.01	53.98	26.81	9.72	6.60	1.32	0.00	0.00	18.65	63.10
3130	21.69	10.64	7.39	1.63	0.00	0.00	19.41	60.76	24.40	10.72	9.36	2.06	0.00	0.00	24.26	70.80
3135	20.01	10.89	5.91	1.30	0.00	0.00	15.93	54.04	22.51	10.97	7.63	1.68	0.00	0.00	19.12	61.91
3145	54.55	18.39	10.15	2.23	0.00	0.00	48.80	134.12	65.46	18.72	13.34	2.93	0.00	0.00	65.07	165.52
3150	31.25	15.33	8.70	1.91	0.00	0.00	27.96	85.15	35.16	15.45	11.02	2.42	0.00	0.00	34.94	98.99
3155	30.48	16.59	6.96	1.53	0.00	0.00	24.27	79.83	34.29	16.71	8.99	1.98	0.00	0.00	29.12	91.09
3165	28.43	17.10	11.08	2.66	0.00	0.00	30.18	89.45	31.59	17.19	14.04	3.37	0.00	0.00	36.88	103.07
3170	33.06	18.00	8.86	1.95	0.00	0.00	26.32	88.19	37.19	18.12	11.45	2.52	0.00	0.00	31.59	100.87
3180	27.75	15.10	10.21	2.25	0.00	0.00	22.09	77.40	31.22	15.21	13.18	2.90	0.00	0.00	26.51	89.02

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3195	9.52	3.21	2.26	0.72	0.00	0.00	6.62	22.33	11.42	3.27	2.86	0.92	0.00	0.00	9.08	27.55
3200	8.93	3.24	1.81	0.58	0.00	0.00	4.88	19.44	10.56	3.29	2.34	0.75	0.00	0.00	6.30	23.24
3215	17.11	7.08	3.16	0.63	0.00	0.00	13.61	41.59	19.75	7.16	4.00	0.80	0.00	0.00	17.67	49.38
3220	14.35	7.81	2.53	0.56	0.00	0.00	11.42	36.67	16.14	7.87	3.26	0.72	0.00	0.00	13.71	41.70
3235	22.12	10.85	4.57	1.01	0.00	0.00	19.79	58.34	24.89	10.93	5.79	1.27	0.00	0.00	24.74	67.62
3240	23.05	12.55	3.65	0.80	0.00	0.00	18.35	58.40	25.93	12.64	4.72	1.04	0.00	0.00	22.02	66.35
3250	23.88	11.71	6.32	1.39	0.00	0.00	21.37	64.67	26.87	11.80	8.00	1.76	0.00	0.00	26.71	75.14
3255	23.61	12.85	5.05	1.11	0.00	0.00	18.80	61.42	26.56	12.94	6.53	1.44	0.00	0.00	22.56	70.03
3265	31.00	15.20	6.32	1.39	0.00	0.00	27.73	81.64	34.87	15.32	8.00	1.76	0.00	0.00	34.66	94.61
3270	28.74	17.28	5.05	1.21	0.00	0.00	25.93	78.21	31.93	17.38	6.53	1.57	0.00	0.00	30.50	87.91
3280	41.06	24.69	6.38	1.53	0.00	0.00	37.05	110.71	45.62	24.83	8.24	1.98	0.00	0.00	43.58	124.25
3295	2.72	1.22	1.97	0.59	0.20	0.03	1.90	8.63								
3300	3.49	1.56	2.99	0.90	0.26	0.04	2.44	11.68								
3310	5.93	2.71	4.00	1.20	0.94	0.14	4.15	19.07								
3315	6.31	2.88	3.54	1.06	0.94	0.14	4.42	19.29								
3320	7.08	3.25	3.54	1.06	1.23	0.18	4.96	21.30								
3325	7.51	3.44	3.54	1.06	1.23	0.18	5.26	22.22								
3330	7.77	3.56	3.54	1.06	1.27	0.19	5.44	22.83								
3335	10.38	4.74	4.80	1.44	1.12	0.17	7.27	29.92								
3340	10.72	4.92	4.80	1.44	1.86	0.28	7.51	31.53								
3345	11.07	5.08	4.92	1.48	1.86	0.28	7.76	32.45								
3350	14.30	6.59	6.09	1.83	2.71	0.41	10.03	41.96								
3355	16.96	7.86	6.09	1.83	3.56	0.53	11.91	48.74								
3360	21.03	9.68	6.40	1.92	3.83	0.58	14.75	58.19								
3365	27.30	12.64	8.62	2.59	5.64	0.85	19.16	76.80								
3370	50.92	23.57	15.76	4.73	10.47	1.57	35.73	142.75								
3380	6.15	2.80	3.51	1.05	0.88	0.13	4.30	18.82								
3385	7.03	3.19	3.72	1.12	0.88	0.13	4.92	20.99								
3390	7.35	3.34	3.72	1.12	0.94	0.14	5.14	21.75								
3395	7.61	3.48	3.72	1.12	1.22	0.18	5.33	22.66								
3400	8.12	3.71	3.72	1.12	1.22	0.18	5.68	23.75								
3405	8.38	3.82	3.72	1.12	1.22	0.18	5.87	24.31								
3410	10.06	4.62	5.54	1.66	1.73	0.26	7.05	30.92								
3420	7.17	3.26	3.94	1.18	0.95	0.14	5.02	21.66								
3425	7.24	3.29	3.94	1.18	0.95	0.14	5.07	21.81								
3430	7.70	3.49	3.94	1.18	0.95	0.14	5.38	22.78								
3435	7.74	3.51	3.94	1.18	0.95	0.14	5.41	22.87								
3440	9.58	4.35	4.77	1.43	1.22	0.18	6.70	28.23								
3445	9.87	4.47	4.77	1.43	1.22	0.18	6.90	28.84								
3450	10.21	4.62	4.77	1.43	1.22	0.18	7.14	29.57								
3455	13.52	6.25	6.22	1.87	2.71	0.41	9.48	40.46								
3460	13.93	6.47	6.22	1.87	3.03	0.45	9.78	41.75								
3465	14.47	6.70	6.22	1.87	3.03	0.45	10.15	42.89								
3470	18.54	8.59	7.23	2.17	3.83	0.58	13.01	53.95								
3480	5.31	2.39	3.63	1.09	0.45	0.07	3.71	16.65								
3485	5.47	2.46	3.63	1.09	0.55	0.08	3.82	17.10								
3490	5.70	2.57	3.63	1.09	0.55	0.08	3.98	17.60								
3495	6.52	2.97	3.63	1.09	0.95	0.14	4.56	19.86								
3500	7.20	3.27	5.42	1.63	0.95	0.14	5.03	23.64								
3505	11.81	5.50	5.42	1.63	2.71	0.41	8.30	35.78								
3510	14.74	6.79	5.79	1.74	2.71	0.41	10.34	42.52								
3515	16.42	7.65	6.53	1.96	3.83	0.58	11.54	48.51								
3530	9.94	4.96	5.63	1.46	0.67	0.10	5.94	28.70	11.18	5.00	7.41	1.93	0.82	0.12	7.24	33.70
3535	12.06	6.06	6.31	1.64	1.06	0.16	7.22	34.51	13.57	6.11	8.30	2.16	1.30	0.19	8.80	40.43
3540	14.00	7.01	6.56	1.70	1.08	0.16	8.38	38.89	15.75	7.07	8.63	2.24	1.32	0.20	10.21	45.42

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3545	16.55	8.27	7.73	2.01	1.13	0.17	9.90	45.76	18.62	8.34	10.17	2.64	1.37	0.21	12.07	53.42
3550	16.59	9.24	8.56	2.22	1.96	0.29	11.60	50.46	18.43	9.30	11.26	2.93	2.44	0.37	13.81	58.54
3555	19.14	10.61	7.14	1.86	1.85	0.28	13.37	54.25	21.26	10.68	9.19	2.39	2.28	0.34	15.91	62.05
3560	27.45	16.69	7.72	2.01	3.19	0.48	21.92	79.46	30.19	16.77	9.91	2.58	3.94	0.59	25.62	89.60
3565	32.54	19.71	8.00	2.08	3.19	0.48	25.97	91.97	35.80	19.81	10.24	2.66	3.94	0.59	30.35	103.39
3575	10.61	4.48	6.16	2.22	0.66	0.10	5.29	29.52	12.24	4.53	8.10	2.92	0.82	0.12	6.72	35.45
3580	11.00	4.64	6.93	2.49	0.66	0.10	5.48	31.30	12.69	4.69	9.11	3.28	0.82	0.12	6.96	37.67
3585	9.52	4.76	6.93	1.80	0.66	0.10	5.70	29.47	10.71	4.79	9.11	2.37	0.82	0.12	6.94	34.86
3590	10.04	5.01	6.93	1.80	0.66	0.10	6.00	30.54	11.29	5.05	9.11	2.37	0.82	0.12	7.32	36.08
3595	11.70	5.88	7.33	1.90	1.02	0.15	7.01	34.99	13.16	5.92	9.64	2.51	1.25	0.19	8.54	41.21
3600	14.67	7.34	7.33	1.90	1.05	0.16	8.78	41.23	16.50	7.40	9.64	2.51	1.27	0.19	10.70	48.21
3610	10.62	4.48	6.46	2.33	0.67	0.10	5.29	29.95	12.25	4.53	8.50	3.06	0.83	0.12	6.72	36.01
3615	9.45	4.72	6.46	1.68	0.67	0.10	5.65	28.73	10.63	4.76	8.50	2.21	0.83	0.12	6.89	33.94
3620	9.72	4.85	6.46	1.68	0.67	0.10	5.81	29.29	10.93	4.89	8.50	2.21	0.83	0.12	7.08	34.56
3625	12.53	6.31	6.93	1.80	1.23	0.19	7.50	36.49	14.09	6.35	9.11	2.37	1.54	0.23	9.14	42.83
3630	13.33	6.70	6.93	1.80	1.23	0.19	7.98	38.16	15.00	6.75	9.11	2.37	1.54	0.23	9.73	44.73
3635	13.82	6.94	6.93	1.80	1.23	0.19	8.27	39.18	15.54	6.99	9.11	2.37	1.54	0.23	10.08	45.86
3640	14.74	8.17	10.31	2.68	1.44	0.22	10.30	47.86	16.38	8.23	13.57	3.53	1.79	0.27	12.26	56.03
3650	11.22	4.72	7.17	2.58	0.59	0.09	5.59	31.96	12.94	4.78	9.44	3.40	0.72	0.11	7.09	38.48
3655	11.88	5.96	7.51	1.95	1.03	0.15	7.11	35.59	13.36	6.01	9.88	2.57	1.26	0.19	8.67	41.94
3660	12.89	6.46	7.33	1.90	1.03	0.15	7.72	37.48	14.50	6.51	9.64	2.51	1.26	0.19	9.40	44.01
3665	14.49	8.08	9.91	2.58	1.73	0.26	10.13	47.18	16.10	8.13	13.04	3.39	2.14	0.32	12.06	55.18
3680	19.67	9.90	4.74	1.23	1.85	0.28	11.78	49.45	22.13	9.97	6.06	1.57	2.28	0.34	14.36	56.71
3685	18.06	10.02	4.74	1.23	1.85	0.28	12.61	48.79	20.06	10.09	6.06	1.57	2.28	0.34	15.02	55.42
3690	22.31	12.33	7.72	2.01	1.85	0.28	15.57	62.07	24.79	12.41	9.98	2.59	2.28	0.34	18.54	70.93
3695	23.93	13.26	8.32	2.16	2.25	0.34	16.71	66.97	26.59	13.34	10.68	2.78	2.78	0.42	19.90	76.49
3700	31.38	18.89	10.01	2.60	2.25	0.34	25.02	90.49	34.52	18.99	12.91	3.36	2.78	0.42	29.24	102.22
3705	43.90	26.63	10.77	2.80	4.66	0.70	35.04	124.50	48.29	26.77	13.79	3.59	5.75	0.86	40.96	140.01
3715	12.62	6.35	3.58	0.93	1.16	0.17	7.56	32.37	14.20	6.40	4.56	1.19	1.43	0.21	9.21	37.20
3720	16.73	8.45	4.59	1.19	1.85	0.28	10.03	43.12	18.83	8.52	5.85	1.52	2.28	0.34	12.22	49.56
3725	18.52	10.28	6.68	1.74	1.85	0.28	12.94	52.29	20.58	10.34	8.55	2.22	2.28	0.34	15.40	59.71
3730	21.74	12.04	6.68	1.74	2.02	0.30	15.18	59.70	24.16	12.12	8.55	2.22	2.49	0.37	18.07	67.98
3735	24.36	14.73	6.87	1.79	2.25	0.34	19.43	69.77	26.79	14.81	8.80	2.29	2.78	0.42	22.71	78.60
3740	37.52	22.68	11.88	3.09	3.37	0.51	29.93	108.98	41.27	22.80	15.30	3.98	4.17	0.62	34.98	123.12
3750	20.24	11.26	7.82	2.03	2.25	0.34	14.14	58.08	22.49	11.33	10.09	2.62	2.78	0.42	16.84	66.57
3755	22.08	12.26	7.98	2.08	2.25	0.34	15.42	62.41	24.53	12.33	10.27	2.67	2.78	0.42	18.36	71.36
3760	22.50	13.63	7.98	2.08	2.25	0.34	17.95	66.73	24.75	13.70	10.27	2.67	2.78	0.42	20.98	75.57
3765	27.66	16.74	8.36	2.17	2.57	0.39	22.07	79.96	30.42	16.82	10.76	2.80	3.14	0.47	25.79	90.20
3775	16.08	8.89	6.00	1.56	1.34	0.20	11.22	45.29	17.87	8.94	7.64	1.99	1.65	0.25	13.36	51.70
3780	21.63	12.01	6.69	1.74	2.25	0.34	15.11	59.77	24.03	12.09	8.54	2.22	2.78	0.42	17.99	68.07
3785	25.90	15.65	8.23	2.14	2.25	0.34	20.66	75.17	28.49	15.73	10.56	2.75	2.78	0.42	24.15	84.88
3790	55.27	33.21	13.47	3.50	3.47	0.52	44.05	153.49	60.80	33.38	17.39	4.52	4.28	0.64	51.48	172.49
3810	11.72	7.10	5.07	7.69	0.00	0.00	10.68	42.26								
3820	0.50	0.30	0.00	0.00	0.00	0.00	0.46	1.26								
3825	1.87	1.13	0.00	0.00	0.00	0.00	1.70	4.70								
3835	14.74	8.94	8.87	9.60	0.00	0.00	13.43	55.58								
3845	0.50	0.30	0.00	0.00	0.00	0.00	0.46	1.26								
3850	1.87	1.13	0.00	0.00	0.00	0.00	1.70	4.70								
3860	18.05	10.94	8.87	9.60	0.00	0.00	16.44	63.90								
3870	0.63	0.38	0.00	0.00	0.00	0.00	0.57	1.58								
3875	1.92	1.16	0.00	0.00	0.00	0.00	1.75	4.83								
3885	20.90	12.67	13.94	12.13	0.00	0.00	19.05	78.69								
3895	0.67	0.41	0.00	0.00	0.00	0.00	0.61	1.69								
3900	3.68	2.23	0.00	0.00	0.00	0.00	3.36	9.27								
3910	22.14	13.42	13.94	12.13	0.00	0.00	20.18	81.81								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3920	0.63	0.38	0.00	0.00	0.00	0.00	0.57	1.58								
3925	3.87	2.34	0.00	0.00	0.00	0.00	3.52	9.73								
3940	5.43	1.68	0.00	0.80	0.00	0.00	4.87	12.78								
3945	5.74	1.78	0.00	0.80	0.00	0.00	5.15	13.47								
3950	5.96	1.85	0.00	0.80	0.00	0.00	5.35	13.96								
3955	6.77	2.10	0.00	0.85	0.00	0.00	6.07	15.79								
3960	7.08	2.19	0.00	0.85	0.00	0.00	6.35	16.47								
3965	7.30	2.26	0.00	0.85	0.00	0.00	6.55	16.96								
3970	17.84	5.53	8.49	3.88	0.00	0.00	16.01	51.75								
3975	13.25	4.11	7.80	5.01	0.00	0.00	11.89	42.06								
3985	6.45	2.00	0.00	0.80	0.00	0.00	5.78	15.03								
3990	7.03	2.18	0.00	0.85	0.00	0.00	6.31	16.37								
3995	9.69	3.00	3.81	0.91	0.00	0.00	8.70	26.11								
4005	3.69	1.14	0.00	0.50	0.00	0.00	3.31	8.64								
4010	5.63	1.75	0.00	0.81	0.00	0.00	5.05	13.24								
4015	6.63	2.06	0.00	0.81	0.00	0.00	5.95	15.45								
4020	8.20	2.54	0.00	0.91	0.00	0.00	7.36	19.01								
4025	17.64	5.47	6.28	1.51	0.00	0.00	15.83	46.73								
4040	0.17	0.05	0.10	0.25	0.00	0.00	0.15	0.72								
4045	0.20	0.06	0.21	0.34	0.00	0.00	0.18	0.99								
4050	0.33	0.10	0.31	0.44	0.00	0.00	0.29	1.47								
4055	0.75	0.23	1.14	1.52	0.00	0.00	0.67	4.31								
4065	0.27	0.08	0.31	0.34	0.00	0.00	0.24	1.24								
4070	0.29	0.09	0.00	0.41	0.00	0.00	0.26	1.05								
4085	2.89	0.89	1.68	0.40	0.00	0.00	2.59	8.45								
4090	2.00	0.62	0.76	0.18	0.00	0.00	1.80	5.36								
4095	3.44	1.07	1.83	0.44	0.00	0.00	3.09	9.87								
4110	1.45	0.45	1.31	0.21	0.00	0.00	1.31	4.73								
4115	2.25	0.70	1.87	0.45	0.00	0.00	2.02	7.29								
4130	9.02	4.06	4.99	1.90	0.00	0.00	8.10	28.07								
4135	12.53	5.63	9.52	3.62	0.00	0.00	11.25	42.55								
4140	19.71	8.86	12.37	4.70	0.00	0.00	17.69	63.33								
4145	29.75	17.53	56.97	28.48	0.00	0.00	13.35	146.08								
4150	36.75	21.65	62.24	31.12	0.00	0.00	16.49	168.25								
4160	13.40	6.02	7.99	3.04	0.00	0.00	12.02	42.47								
4165	17.37	7.92	11.57	4.40	1.39	0.21	15.63	58.49								
4170	16.18	7.36	16.56	6.29	0.99	0.15	14.56	62.09								
4180	17.84	8.13	13.89	5.28	1.25	0.19	16.05	62.63								
4185	25.93	11.83	12.75	4.85	1.99	0.30	23.34	80.99								
4190	29.38	13.38	13.32	5.06	1.99	0.30	26.44	89.87								
4195	21.73	9.77	15.61	5.93	0.00	0.00	19.50	72.54								
4200	25.22	11.34	15.61	5.93	0.00	0.00	22.63	80.73								
4205	26.15	15.41	19.95	6.38	0.00	0.00	23.47	91.36								
4210	48.02	28.29	118.62	59.31	0.00	0.00	21.54	275.78								
4230	1.32	0.42	1.52	0.68	0.06	0.01	0.96	4.97								
4235	1.33	0.42	1.52	0.68	0.06	0.01	0.96	4.98								
4240	1.39	0.45	1.52	0.68	0.08	0.01	1.00	5.13								
4245	1.93	0.62	2.70	1.22	0.09	0.01	1.39	7.96								
4250	1.97	0.63	2.70	1.22	0.09	0.01	1.42	8.04								
4255	2.17	0.69	3.97	1.79	0.09	0.01	1.57	10.29								
4260	2.67	0.86	4.48	2.02	0.14	0.02	1.93	12.12								
4265	2.81	0.90	4.48	2.02	0.12	0.02	2.03	12.38								
4270	2.99	0.95	4.48	2.02	0.09	0.01	2.15	12.69								
4275	1.28	0.41	2.20	0.53	0.03	0.00	0.92	5.37								
4280	1.67	0.54	2.85	0.68	0.12	0.02	1.21	7.09								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4285	1.66	0.55	2.85	0.68	0.22	0.03	1.21	7.20								
4290	2.37	0.76	3.74	0.90	0.15	0.02	1.71	9.65								
4295	2.39	0.77	3.74	0.90	0.15	0.02	1.73	9.70								
4300	2.49	0.80	3.74	0.90	0.15	0.02	1.80	9.90								
4305	3.58	1.15	2.03	0.49	0.23	0.03	2.59	10.10								
4310	3.86	1.24	2.15	0.52	0.23	0.03	2.79	10.82								
4315	5.02	1.65	3.85	0.92	0.50	0.07	3.64	15.65								
4320	5.49	1.79	3.85	0.92	0.50	0.07	3.98	16.60								
4325	5.65	1.84	3.85	0.92	0.50	0.08	4.09	16.93								
4330	6.29	2.07	3.85	0.92	0.65	0.10	4.57	18.45								
4335	2.21	0.72	2.09	0.50	0.21	0.03	1.60	7.36								
4340	2.26	0.74	2.09	0.50	0.21	0.03	1.64	7.47								
4345	2.76	0.89	2.09	0.50	0.21	0.03	2.00	8.48								
4350	2.78	0.93	2.09	0.50	0.39	0.06	2.03	8.78								
4360	1.27	0.42	3.74	0.90	0.14	0.02	0.92	7.41								
4365	1.86	0.60	4.75	1.14	0.15	0.02	1.35	9.87								
4370	3.71	1.19	6.89	1.65	0.19	0.03	2.68	16.34								
4375	4.95	1.62	7.54	1.81	0.51	0.08	3.59	20.10								
4380	5.82	1.89	7.54	1.81	0.51	0.08	4.22	21.87								
4385	5.80	1.90	7.54	1.81	0.59	0.09	4.21	21.94								
4390	6.33	2.05	7.54	1.81	0.50	0.08	4.59	22.90								
4395	13.01	4.22	11.29	2.71	1.04	0.16	9.43	41.86								
4415	1.86	0.43	4.56	1.09	0.00	0.00	1.06	9.00	2.12	0.44	5.99	1.44	0.00	0.00	1.42	11.41
4420	2.43	0.57	5.76	1.38	0.00	0.00	1.39	11.53	2.78	0.58	7.57	1.82	0.00	0.00	1.85	14.60
4425	2.62	0.61	6.77	1.63	0.00	0.00	1.50	13.13	3.00	0.62	8.91	2.14	0.00	0.00	2.00	16.67
4430	2.82	0.66	8.93	2.14	0.00	0.00	1.61	16.16	3.22	0.67	11.74	2.82	0.00	0.00	2.15	20.60
4435	3.22	0.75	11.39	2.73	0.00	0.00	1.84	19.93	3.68	0.76	14.98	3.60	0.00	0.00	2.46	25.48
4440	3.83	0.89	11.39	2.73	0.00	0.00	2.19	21.03	4.38	0.91	14.98	3.60	0.00	0.00	2.92	26.79
4445	4.27	0.99	13.85	3.32	0.00	0.00	2.44	24.87	4.88	1.01	18.22	4.37	0.00	0.00	3.25	31.73
4450	5.16	1.20	15.39	3.69	0.00	0.00	2.95	28.39	5.90	1.22	20.25	4.86	0.00	0.00	3.93	36.16
4455	7.00	1.63	20.01	4.80	0.00	0.00	4.00	37.44	8.00	1.66	26.32	6.32	0.00	0.00	5.34	47.64
4460	9.33	2.17	26.01	6.24	0.00	0.00	5.33	49.08	10.67	2.21	34.22	8.21	0.00	0.00	7.11	62.42
4465	12.70	2.95	38.47	9.23	0.00	0.00	7.26	70.61	14.51	3.01	50.62	12.15	0.00	0.00	9.68	89.97
4470	16.67	3.88	44.63	10.71	0.00	0.00	9.53	85.42	19.05	3.95	58.72	14.09	0.00	0.00	12.71	108.52
4480	0.09	0.02	0.30	0.07	0.00	0.00	0.05	0.53	0.10	0.02	0.39	0.09	0.00	0.00	0.07	0.67
4485	0.14	0.03	0.48	0.11	0.00	0.00	0.08	0.84	0.16	0.03	0.62	0.15	0.00	0.00	0.11	1.07
4490	0.19	0.04	0.71	0.17	0.00	0.00	0.11	1.22	0.21	0.04	0.93	0.22	0.00	0.00	0.14	1.54
4505	0.16	0.04	0.36	0.09	0.00	0.00	0.09	0.74	0.19	0.04	0.46	0.11	0.00	0.00	0.13	0.93
4510	0.37	0.09	0.83	0.20	0.00	0.00	0.21	1.70	0.42	0.09	1.08	0.26	0.00	0.00	0.28	2.13
4515	0.41	0.09	1.19	0.29	0.00	0.00	0.23	2.21	0.46	0.10	1.55	0.37	0.00	0.00	0.31	2.79
4520	0.43	0.10	0.18	0.04	0.00	0.00	0.25	1.00	0.49	0.10	0.24	0.06	0.00	0.00	0.33	1.22
4525	0.57	0.13	0.37	0.09	0.00	0.00	0.33	1.49	0.65	0.14	0.49	0.12	0.00	0.00	0.43	1.83
4530	0.82	0.19	0.68	0.16	0.00	0.00	0.47	2.32	0.94	0.19	0.89	0.21	0.00	0.00	0.63	2.86
4535	0.84	0.20	0.83	0.20	0.00	0.00	0.48	2.55	0.96	0.20	1.09	0.26	0.00	0.00	0.64	3.15
4540	1.25	0.29	1.94	0.47	0.00	0.00	0.71	4.66	1.43	0.30	2.55	0.61	0.00	0.00	0.95	5.84
4545	1.65	0.38	2.68	0.64	0.00	0.00	0.94	6.29	1.89	0.39	3.52	0.85	0.00	0.00	1.26	7.91
4550	1.90	0.44	3.14	0.75	0.00	0.00	1.09	7.32	2.17	0.45	4.13	0.99	0.00	0.00	1.45	9.19
4555	2.26	0.53	4.99	1.20	0.00	0.00	1.29	10.27	2.58	0.54	6.56	1.57	0.00	0.00	1.72	12.97
4560	2.37	0.55	4.99	1.20	0.00	0.00	1.35	10.46	2.71	0.56	6.56	1.57	0.00	0.00	1.80	13.20
4565	2.74	0.64	6.46	1.55	0.00	0.00	1.57	12.96	3.14	0.65	8.50	2.04	0.00	0.00	2.09	16.42
4570	3.25	0.76	8.50	2.04	0.00	0.00	1.86	16.41	3.72	0.77	11.18	2.68	0.00	0.00	2.48	20.83
4580	0.10	0.02	0.30	0.07	0.00	0.00	0.06	0.55	0.12	0.02	0.39	0.09	0.00	0.00	0.08	0.70
4585	0.11	0.03	0.42	0.10	0.00	0.00	0.06	0.72	0.13	0.03	0.54	0.13	0.00	0.00	0.09	0.92
4590	0.16	0.04	0.48	0.11	0.00	0.00	0.09	0.88	0.18	0.04	0.62	0.15	0.00	0.00	0.12	1.11
4595	0.20	0.05	0.59	0.14	0.00	0.00	0.11	1.09	0.23	0.05	0.77	0.19	0.00	0.00	0.15	1.39

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4600	0.21	0.05	0.95	0.23	0.00	0.00	0.12	1.56	0.24	0.05	1.24	0.30	0.00	0.00	0.16	1.99
4605	0.20	0.05	0.95	0.23	0.00	0.00	0.11	1.54	0.23	0.05	1.24	0.30	0.00	0.00	0.15	1.97
4620	6.52	2.72	3.54	1.20	0.45	0.07	4.27	18.77	7.83	2.76	4.66	1.58	0.61	0.09	5.98	23.51
4625	7.45	3.10	3.83	1.30	0.45	0.07	4.88	21.08	8.94	3.14	5.03	1.71	0.61	0.09	6.83	26.35
4630	8.15	3.39	3.83	1.30	0.50	0.07	5.33	22.57	9.77	3.44	5.03	1.71	0.67	0.10	7.46	28.18
4635	8.17	3.41	4.25	1.45	0.58	0.09	5.35	23.30	9.81	3.46	5.59	1.90	0.78	0.12	7.50	29.16
4640	11.36	4.81	5.10	1.74	1.26	0.19	7.47	31.93	13.64	4.88	6.71	2.28	1.71	0.26	10.46	39.94
4645	16.51	7.01	7.09	2.41	1.97	0.30	10.87	46.16	19.81	7.12	9.31	3.17	2.67	0.40	15.22	57.70
4655	6.37	2.67	3.83	1.30	0.55	0.08	4.18	18.98	7.64	2.71	5.03	1.71	0.74	0.11	5.85	23.79
4660	7.61	3.19	4.31	1.47	0.63	0.09	4.99	22.29	9.13	3.24	5.66	1.93	0.85	0.13	6.98	27.92
4665	7.84	3.28	5.10	1.74	0.63	0.09	5.14	23.82	9.41	3.33	6.71	2.28	0.85	0.13	7.20	29.91
4670	8.63	3.60	5.95	2.02	0.63	0.09	5.65	26.57	10.35	3.66	7.82	2.66	0.85	0.13	7.91	33.38
4675	5.98	2.51	3.83	1.30	0.55	0.08	3.92	18.17	7.17	2.55	5.03	1.71	0.74	0.11	5.49	22.80
4680	6.60	2.78	4.31	1.47	0.63	0.09	4.33	20.21	7.92	2.82	5.66	1.93	0.85	0.13	6.07	25.38
4685	7.14	3.00	5.10	1.74	0.63	0.09	4.69	22.39	8.57	3.05	6.71	2.28	0.85	0.13	6.56	28.15
4690	8.12	3.40	5.95	2.02	0.63	0.09	5.33	25.54	9.75	3.45	7.82	2.66	0.85	0.13	7.46	32.12
4695	9.08	3.88	5.95	2.02	1.26	0.19	5.99	28.37	10.90	3.94	7.82	2.66	1.71	0.26	8.38	35.67
4705	3.58	1.49	1.93	0.66	0.25	0.04	2.35	10.30	4.30	1.52	2.53	0.86	0.34	0.05	3.28	12.88
4710	5.55	2.33	3.69	1.25	0.50	0.07	3.64	17.03	6.66	2.37	4.84	1.65	0.67	0.10	5.10	21.39
4715	5.95	2.51	4.11	1.40	0.58	0.09	3.91	18.55	7.14	2.55	5.40	1.84	0.78	0.12	5.47	23.30
4720	6.29	2.68	4.54	1.54	0.84	0.13	4.14	20.16	7.54	2.72	5.96	2.03	1.14	0.17	5.80	25.36
4730	6.36	2.66	3.54	1.20	0.45	0.07	4.17	18.45	7.64	2.70	4.66	1.58	0.61	0.09	5.84	23.12
4735	6.91	2.88	4.11	1.40	0.45	0.07	4.53	20.35	8.30	2.92	5.40	1.84	0.61	0.09	6.34	25.50
4740	7.29	3.04	4.11	1.40	0.50	0.07	4.77	21.18	8.75	3.08	5.40	1.84	0.67	0.10	6.68	26.52
4745	8.15	3.40	4.96	1.69	0.58	0.09	5.34	24.21	9.78	3.45	6.52	2.22	0.78	0.12	7.47	30.34
4750	8.46	3.53	5.58	1.90	0.58	0.09	5.54	25.68	10.15	3.58	7.34	2.50	0.78	0.12	7.76	32.23
4755	9.46	3.94	5.58	1.90	0.63	0.09	6.20	27.80	11.36	4.00	7.34	2.50	0.85	0.13	8.68	34.86
4765	5.20	2.18	2.41	0.82	0.45	0.07	3.42	14.55	6.25	2.22	3.17	1.08	0.61	0.09	4.78	18.20
4770	6.45	2.69	3.54	1.20	0.45	0.07	4.23	18.63	7.74	2.73	4.66	1.58	0.61	0.09	5.92	23.33
4775	7.61	3.17	3.54	1.20	0.55	0.08	4.98	21.13	9.13	3.22	4.66	1.58	0.74	0.11	6.98	26.42
4780	7.36	3.08	4.25	1.45	0.55	0.08	4.83	21.60	8.84	3.12	5.59	1.90	0.74	0.11	6.76	27.06
4785	8.58	3.57	4.25	1.45	0.55	0.08	5.61	24.09	10.29	3.62	5.59	1.90	0.74	0.11	7.86	30.11
4795	6.08	2.55	3.69	1.25	0.55	0.08	3.99	18.19	7.29	2.59	4.84	1.65	0.74	0.11	5.58	22.80
4800	7.24	3.04	4.11	1.40	0.63	0.09	4.75	21.26	8.69	3.09	5.40	1.84	0.85	0.13	6.65	26.65
4805	9.88	4.21	5.67	1.93	1.26	0.19	6.51	29.65	11.85	4.27	7.45	2.53	1.71	0.26	9.11	37.18
4810	15.84	6.74	7.94	2.70	1.97	0.30	10.43	45.92	19.01	6.84	10.43	3.55	2.67	0.40	14.60	57.50
4820	6.02	2.54	3.18	1.08	0.62	0.09	3.95	17.48	7.22	2.58	4.17	1.42	0.84	0.13	5.54	21.90
4825	6.98	2.94	4.31	1.47	0.68	0.10	4.58	21.06	8.37	2.98	5.66	1.93	0.92	0.14	6.42	26.42
4830	7.71	3.24	4.82	1.64	0.68	0.10	5.06	23.25	9.26	3.29	6.33	2.15	0.92	0.14	7.09	29.18
4845	0.48	0.15	0.00	0.10	0.00	0.00	0.40	1.13								
4850	0.78	0.24	0.00	0.19	0.00	0.00	0.64	1.85								
4855	0.94	0.29	0.00	0.30	0.00	0.00	0.77	2.30								
4860	2.44	0.76	0.00	0.41	0.00	0.00	2.00	5.61								
4870	5.86	1.83	3.08	0.74	0.00	0.00	4.82	16.33								
4875	7.93	2.48	3.08	0.74	0.00	0.00	6.51	20.74								
4880	12.20	3.81	4.00	0.96	0.00	0.00	10.02	30.99								
4885	13.58	4.25	4.62	1.11	0.00	0.00	11.15	34.71								
4900	11.84	3.39	4.11	1.56	0.00	0.00	9.44	30.34	15.79	3.51	5.40	2.05	0.00	0.00	14.38	41.13
4905	12.16	3.84	4.71	0.94	0.00	0.00	10.33	31.98	15.21	3.94	6.19	1.24	0.00	0.00	14.53	41.11
4910	14.54	4.59	5.93	1.19	0.00	0.00	12.35	38.60	18.18	4.71	7.79	1.56	0.00	0.00	17.37	49.61
4915	22.51	7.11	7.43	1.49	0.00	0.00	19.12	57.66	28.14	7.29	9.76	1.95	0.00	0.00	26.89	74.03
4920	31.49	10.62	9.24	2.03	0.00	0.00	28.17	81.55	37.79	10.81	12.15	2.67	0.00	0.00	37.56	100.98
4930	19.22	6.07	6.66	1.33	0.00	0.00	16.32	49.60	24.03	6.22	8.76	1.75	0.00	0.00	22.95	63.71
4935	23.27	7.35	8.73	1.75	0.00	0.00	19.76	60.86	29.08	7.53	11.48	2.30	0.00	0.00	27.79	78.18
4940	43.19	14.56	17.46	3.84	0.00	0.00	38.64	117.69	51.83	14.82	22.95	5.05	0.00	0.00	51.52	146.17

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4955	7.05	2.02	3.23	1.23	0.00	0.00	5.62	19.15	9.40	2.09	4.25	1.61	0.00	0.00	8.57	25.92
4960	9.16	2.62	4.34	1.65	0.00	0.00	7.31	25.08	12.22	2.72	5.70	2.17	0.00	0.00	11.14	33.95
4965	9.95	3.14	5.61	1.12	0.00	0.00	8.45	28.27	12.44	3.22	7.38	1.48	0.00	0.00	11.89	36.41
4975	6.28	1.80	2.01	0.76	0.00	0.00	5.01	15.86	8.37	1.86	2.65	1.01	0.00	0.00	7.63	21.52
4980	7.87	2.25	2.66	1.01	0.00	0.00	6.28	20.07	10.50	2.33	3.50	1.33	0.00	0.00	9.57	27.23
4985	9.02	2.58	2.89	1.10	0.00	0.00	7.19	22.78	12.02	2.67	3.80	1.44	0.00	0.00	10.96	30.89
4990	11.20	3.21	2.98	1.13	0.00	0.00	8.93	27.45	14.94	3.32	3.91	1.49	0.00	0.00	13.61	37.27
4995	13.01	4.11	3.83	0.77	0.00	0.00	11.05	32.77	16.27	4.21	5.03	1.01	0.00	0.00	15.54	42.06
5000	23.75	7.50	5.53	1.11	0.00	0.00	20.17	58.06	29.68	7.68	7.27	1.45	0.00	0.00	28.36	74.44
5005	36.92	11.66	9.21	1.84	0.00	0.00	31.35	90.98	46.14	11.95	12.11	2.42	0.00	0.00	44.09	116.71
5015	9.90	2.83	2.44	0.93	0.00	0.00	7.89	23.99	13.20	2.93	3.20	1.22	0.00	0.00	12.02	32.57
5020	11.25	3.22	2.98	1.13	0.00	0.00	8.97	27.55	14.99	3.33	3.91	1.49	0.00	0.00	13.66	37.38
5025	13.03	4.12	4.31	0.86	0.00	0.00	11.07	33.39	16.29	4.22	5.66	1.13	0.00	0.00	15.56	42.86
5030	20.41	6.45	6.89	1.38	0.00	0.00	17.33	52.46	25.51	6.60	9.05	1.81	0.00	0.00	24.37	67.34
5040	15.59	4.47	4.11	1.56	0.00	0.00	12.43	38.16	20.79	4.62	5.40	2.05	0.00	0.00	18.95	51.81
5045	18.60	5.33	4.11	1.56	0.00	0.00	14.83	44.43	24.80	5.51	5.40	2.05	0.00	0.00	22.60	60.36
5050	21.63	6.83	7.71	1.54	0.00	0.00	18.37	56.08	27.03	7.00	10.13	2.03	0.00	0.00	25.83	72.02
5060	9.10	2.88	3.26	0.65	0.00	0.00	7.73	23.62	11.38	2.95	4.28	0.86	0.00	0.00	10.87	30.34
5065	14.25	4.50	4.45	0.89	0.00	0.00	12.10	36.19	17.81	4.61	5.85	1.17	0.00	0.00	17.02	46.46
5070	21.97	6.94	7.65	1.53	0.00	0.00	18.66	56.75	27.46	7.11	10.06	2.01	0.00	0.00	26.23	72.87
5075	28.32	9.55	13.49	2.97	0.00	0.00	25.33	79.66	33.98	9.72	17.74	3.90	0.00	0.00	33.77	99.11
5080	32.80	12.73	15.31	3.67	0.00	0.00	35.86	100.37	38.27	12.90	20.12	4.83	0.00	0.00	45.65	121.77
5085	57.92	22.49	22.68	5.44	0.00	0.00	63.33	171.86	67.58	22.78	29.81	7.15	0.00	0.00	80.60	207.92
5095	9.77	2.80	3.83	1.45	0.00	0.00	7.79	25.64	13.03	2.90	5.03	1.91	0.00	0.00	11.87	34.74
5100	11.81	3.38	4.54	1.72	0.00	0.00	9.42	30.87	15.75	3.50	5.96	2.27	0.00	0.00	14.36	41.84
5105	11.97	3.78	5.10	1.02	0.00	0.00	10.16	32.03	14.96	3.87	6.71	1.34	0.00	0.00	14.29	41.17
5110	18.52	5.85	7.23	1.45	0.00	0.00	15.73	48.78	23.16	5.99	9.50	1.90	0.00	0.00	22.12	62.67
5115	21.69	6.85	8.22	1.64	0.00	0.00	18.42	56.82	27.11	7.02	10.81	2.16	0.00	0.00	25.90	73.00
5120	27.12	9.14	11.34	2.49	0.00	0.00	24.26	74.35	32.54	9.31	14.90	3.28	0.00	0.00	32.35	92.38
5130	6.98	2.00	2.13	0.81	0.00	0.00	5.57	17.49	9.31	2.07	2.79	1.06	0.00	0.00	8.49	23.72
5135	9.95	2.85	3.54	1.35	0.00	0.00	7.94	25.63	13.27	2.95	4.66	1.77	0.00	0.00	12.09	34.74
5140	12.91	3.70	4.39	1.67	0.00	0.00	10.29	32.96	17.21	3.83	5.78	2.19	0.00	0.00	15.68	44.69
5145	13.62	4.30	5.10	1.02	0.00	0.00	11.57	35.61	17.03	4.41	6.71	1.34	0.00	0.00	16.27	45.76
5150	20.70	6.54	7.37	1.47	0.00	0.00	17.58	53.66	25.88	6.70	9.69	1.94	0.00	0.00	24.73	68.94
5160	3.89	1.11	1.30	0.50	0.00	0.00	3.10	9.90	5.19	1.15	1.71	0.65	0.00	0.00	4.73	13.43
5165	4.94	1.41	1.81	0.69	0.00	0.00	3.94	12.79	6.58	1.46	2.38	0.91	0.00	0.00	6.00	17.33
5170	6.70	1.92	2.10	0.80	0.00	0.00	5.34	16.86	8.93	1.99	2.76	1.05	0.00	0.00	8.14	22.87
5175	8.40	2.41	2.64	1.00	0.00	0.00	6.70	21.15	11.21	2.49	3.47	1.32	0.00	0.00	10.21	28.70
5180	9.56	3.02	3.46	0.69	0.00	0.00	8.12	24.85	11.95	3.09	4.55	0.91	0.00	0.00	11.42	31.92
5185	12.55	3.96	4.59	0.92	0.00	0.00	10.66	32.68	15.68	4.06	6.04	1.21	0.00	0.00	14.98	41.97
5190	22.03	6.96	7.29	1.46	0.00	0.00	18.71	56.45	27.54	7.13	9.58	1.92	0.00	0.00	26.31	72.48
5195	32.44	10.94	9.41	2.07	0.00	0.00	29.02	83.88	38.93	11.13	12.37	2.72	0.00	0.00	38.69	103.84
5200	40.32	13.59	11.91	2.62	0.00	0.00	36.07	104.51	48.38	13.84	15.65	3.44	0.00	0.00	48.09	129.40
5205	44.93	15.15	13.15	2.89	0.00	0.00	40.19	116.31	53.92	15.42	17.29	3.80	0.00	0.00	53.59	144.02
5210	56.01	21.74	18.82	4.52	0.00	0.00	61.24	162.33	65.35	22.03	24.74	5.94	0.00	0.00	77.94	196.00
5215	65.36	25.37	23.59	5.66	0.00	0.00	71.46	191.44	76.26	25.71	31.00	7.44	0.00	0.00	90.95	231.36
5225	8.02	2.30	2.32	0.88	0.00	0.00	6.40	19.92	10.70	2.38	3.06	1.16	0.00	0.00	9.75	27.05
5230	9.52	2.73	2.81	1.07	0.00	0.00	7.59	23.72	12.70	2.82	3.69	1.40	0.00	0.00	11.57	32.18
5235	10.79	3.41	3.35	0.67	0.00	0.00	9.16	27.38	13.49	3.49	4.40	0.88	0.00	0.00	12.89	35.15
5240	13.75	4.35	4.20	0.84	0.00	0.00	11.68	34.82	17.19	4.45	5.51	1.10	0.00	0.00	16.43	44.68
5245	16.68	5.27	5.58	1.12	0.00	0.00	14.16	42.81	20.85	5.40	7.34	1.47	0.00	0.00	19.92	54.98
5250	35.68	12.03	11.45	2.52	0.00	0.00	31.92	93.60	42.81	12.25	15.05	3.31	0.00	0.00	42.56	115.98
5260	12.21	3.86	4.31	0.86	0.00	0.00	10.37	31.61	15.26	3.95	5.66	1.13	0.00	0.00	14.58	40.58
5265	19.80	6.26	6.46	1.29	0.00	0.00	16.82	50.63	24.75	6.41	8.50	1.70	0.00	0.00	23.65	65.01
5270	24.59	7.77	8.62	1.72	0.00	0.00	20.88	63.58	30.74	7.96	11.33	2.27	0.00	0.00	29.37	81.67

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5285	4.24	1.83	2.19	0.79	0.53	0.08	2.12	11.78	4.90	1.85	2.88	1.04	0.64	0.10	2.69	14.10
5290	5.35	2.29	2.89	1.04	0.53	0.08	2.67	14.85	6.17	2.31	3.81	1.37	0.64	0.10	3.39	17.79
5295	6.01	2.56	3.14	1.13	0.53	0.08	3.00	16.45	6.93	2.59	4.13	1.49	0.64	0.10	3.81	19.69
5300	6.46	3.24	3.82	0.99	0.53	0.08	3.87	18.99	7.27	3.27	5.02	1.31	0.64	0.10	4.72	22.33
5310	7.19	3.03	3.85	1.39	0.37	0.06	3.58	19.47	8.30	3.06	5.06	1.82	0.45	0.07	4.55	23.31
5315	7.73	3.28	4.88	1.76	0.61	0.09	3.86	22.21	8.92	3.32	6.27	2.26	0.75	0.11	4.90	26.53
5320	10.47	4.41	6.35	2.32	0.56	0.08	5.22	29.41	12.08	4.46	8.33	3.05	0.69	0.10	6.63	35.34
5325	12.72	5.36	5.52	1.99	0.76	0.11	6.34	32.80	14.67	5.42	7.11	2.56	0.95	0.14	8.05	38.90
5330	13.89	6.95	9.94	2.59	1.02	0.15	8.31	42.85	15.62	7.00	12.85	3.34	1.26	0.19	10.13	50.39
5345	1.36	0.42	0.00	0.40	0.00	0.00	1.10	3.28	1.70	0.43	0.00	0.40	0.00	0.00	1.55	4.08
5350	1.65	0.51	0.00	0.30	0.00	0.00	1.33	3.79	2.06	0.53	0.00	0.30	0.00	0.00	1.88	4.77
5355	1.85	0.57	0.00	0.30	0.00	0.00	1.49	4.21	2.31	0.59	0.00	0.30	0.00	0.00	2.10	5.30
5360	0.89	0.28	0.00	0.25	0.00	0.00	0.72	2.14	1.11	0.28	0.00	0.25	0.00	0.00	1.01	2.65
5365	1.53	0.47	0.00	0.30	0.00	0.00	1.23	3.53	1.91	0.49	0.00	0.30	0.00	0.00	1.73	4.43
5370	2.41	0.75	0.00	0.40	0.00	0.00	1.95	5.51	3.02	0.77	0.00	0.40	0.00	0.00	2.74	6.93
5375	1.90	0.59	0.00	0.50	0.00	0.00	1.54	4.53	2.37	0.61	0.00	0.50	0.00	0.00	2.16	5.64
5380	1.49	0.46	0.00	0.30	0.00	0.00	1.21	3.46	1.87	0.48	0.00	0.30	0.00	0.00	1.70	4.35
5395	1.80	0.24	1.68	0.40	0.04	0.01	1.05	5.22								
5400	2.10	0.28	1.82	0.44	0.04	0.01	1.22	5.91								
5405	2.35	0.32	1.22	0.29	0.04	0.01	1.36	5.59								
5410	2.13	0.29	0.84	0.20	0.04	0.01	1.23	4.74								
5415	2.29	0.31	1.07	0.26	0.04	0.01	1.33	5.31								
5420	2.08	0.28	3.21	0.77	0.04	0.01	1.21	7.60								
5430	0.14	0.02	0.29	0.07	0.00	0.00	0.08	0.60								
5435	0.22	0.03	0.51	0.12	0.04	0.01	0.13	1.06								
5440	0.31	0.05	0.80	0.19	0.04	0.01	0.18	1.58								
5445	0.49	0.07	0.80	0.19	0.04	0.01	0.29	1.89								
5450	1.37	0.19	1.24	0.30	0.03	0.01	0.79	3.93								
5455	2.26	0.30	0.65	0.16	0.04	0.01	1.31	4.73								
5460	1.93	0.26	1.46	0.35	0.04	0.01	1.12	5.17								
5465	2.64	0.35	1.97	0.47	0.04	0.01	1.53	7.01								
5470	2.80	0.38	0.84	0.20	0.04	0.01	1.62	5.89								
5485	1.28	0.38	0.61	0.15	0.07	0.01	2.13	4.63								
5495	0.91	0.27	0.46	0.11	0.07	0.01	1.52	3.35								
5500	0.79	0.23	0.40	0.10	0.07	0.01	1.31	2.91								
5505	0.99	0.29	1.08	0.26	0.07	0.01	1.66	4.36								
5510	1.15	0.34	0.61	0.15	0.07	0.01	1.92	4.25								
5520	1.00	0.30	0.24	0.06	0.07	0.01	1.68	3.36								
5525	1.34	0.39	0.49	0.12	0.07	0.01	2.23	4.65								
5530	1.59	0.46	0.61	0.15	0.07	0.01	2.64	5.53								
5545	2.54	0.85	0.86	0.24	0.84	0.13	2.38	7.84	3.17	0.87	1.13	0.32	1.31	0.20	3.30	10.30
5555	0.59	0.18	0.00	0.00	0.00	0.00	0.54	1.31	0.74	0.19	0.00	0.00	0.00	0.00	0.76	1.69
5560	0.79	0.25	0.09	0.03	0.00	0.00	0.73	1.89	0.98	0.25	0.12	0.03	0.00	0.00	1.01	2.39
5565	0.11	0.04	0.00	0.00	0.00	0.00	0.11	0.26	0.14	0.04	0.00	0.00	0.00	0.00	0.15	0.33
5570	0.58	0.18	0.00	0.00	0.00	0.00	0.54	1.30	0.73	0.19	0.00	0.00	0.00	0.00	0.75	1.67
5575	0.34	0.11	0.00	0.00	0.00	0.00	0.31	0.76	0.42	0.11	0.00	0.00	0.00	0.00	0.43	0.96
5580	0.50	0.16	0.00	0.00	0.00	0.00	0.46	1.12	0.63	0.16	0.00	0.00	0.00	0.00	0.64	1.43
5585	0.72	0.23	0.00	0.00	0.00	0.00	0.67	1.62	0.91	0.23	0.00	0.00	0.00	0.00	0.93	2.07
5590	0.10	0.03	0.00	0.00	0.00	0.00	0.09	0.22	0.13	0.03	0.00	0.00	0.00	0.00	0.13	0.29
5595	2.81	0.94	1.29	0.36	1.02	0.15	2.63	9.20	3.51	0.96	1.70	0.48	1.61	0.24	3.65	12.15
5605	0.69	0.22	0.00	0.00	0.00	0.00	0.64	1.55	0.86	0.22	0.00	0.00	0.00	0.00	0.88	1.96
5610	0.84	0.26	0.09	0.03	0.00	0.00	0.78	2.00	1.05	0.27	0.12	0.03	0.00	0.00	1.08	2.55
5615	0.11	0.04	0.00	0.00	0.00	0.00	0.11	0.26	0.14	0.04	0.00	0.00	0.00	0.00	0.15	0.33
5620	0.58	0.18	0.00	0.00	0.00	0.00	0.54	1.30	0.73	0.19	0.00	0.00	0.00	0.00	0.75	1.67
5625	0.42	0.13	0.00	0.00	0.00	0.00	0.39	0.94	0.53	0.14	0.00	0.00	0.00	0.00	0.54	1.21

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5630	0.59	0.19	0.00	0.00	0.00	0.00	0.55	1.33	0.74	0.19	0.00	0.00	0.00	0.00	0.76	1.69
5635	0.81	0.25	0.00	0.00	0.00	0.00	0.75	1.81	1.02	0.26	0.00	0.00	0.00	0.00	1.05	2.33
5640	0.10	0.03	0.00	0.00	0.00	0.00	0.09	0.22	0.13	0.03	0.00	0.00	0.00	0.00	0.13	0.29
5645	3.15	1.07	1.72	0.48	1.36	0.20	2.96	10.94	3.94	1.09	2.27	0.64	2.13	0.32	4.11	14.50
5655	0.73	0.23	0.00	0.00	0.00	0.00	0.67	1.63	0.91	0.23	0.00	0.00	0.00	0.00	0.93	2.07
5660	0.91	0.28	0.15	0.04	0.00	0.00	0.84	2.22	1.13	0.29	0.20	0.06	0.00	0.00	1.17	2.85
5665	0.11	0.04	0.00	0.00	0.00	0.00	0.11	0.26	0.14	0.04	0.00	0.00	0.00	0.00	0.15	0.33
5670	0.58	0.18	0.00	0.00	0.00	0.00	0.54	1.30	0.73	0.19	0.00	0.00	0.00	0.00	0.75	1.67
5675	0.47	0.15	0.00	0.00	0.00	0.00	0.44	1.06	0.59	0.15	0.00	0.00	0.00	0.00	0.60	1.34
5680	0.67	0.21	0.00	0.00	0.00	0.00	0.61	1.49	0.83	0.21	0.00	0.00	0.00	0.00	0.85	1.89
5685	0.99	0.31	0.00	0.00	0.00	0.00	0.91	2.21	1.23	0.32	0.00	0.00	0.00	0.00	1.27	2.82
5690	0.10	0.03	0.00	0.00	0.00	0.00	0.09	0.22	0.13	0.03	0.00	0.00	0.00	0.00	0.13	0.29
5695	4.07	1.38	2.59	0.72	1.88	0.28	3.82	14.74	5.08	1.41	3.40	0.95	2.96	0.44	5.31	19.55
5705	0.89	0.28	0.00	0.00	0.00	0.00	0.82	1.99	1.12	0.29	0.00	0.00	0.00	0.00	1.15	2.56
5710	1.16	0.36	0.15	0.04	0.00	0.00	1.07	2.78	1.45	0.37	0.20	0.06	0.00	0.00	1.49	3.57
5715	0.11	0.04	0.00	0.00	0.00	0.00	0.11	0.26	0.14	0.04	0.00	0.00	0.00	0.00	0.15	0.33
5720	0.58	0.18	0.00	0.00	0.00	0.00	0.54	1.30	0.73	0.19	0.00	0.00	0.00	0.00	0.75	1.67
5725	0.61	0.19	0.00	0.00	0.00	0.00	0.57	1.37	0.77	0.20	0.00	0.00	0.00	0.00	0.79	1.76
5730	0.79	0.25	0.00	0.00	0.00	0.00	0.73	1.77	0.98	0.25	0.00	0.00	0.00	0.00	1.01	2.24
5735	0.10	0.03	0.00	0.00	0.00	0.00	0.09	0.22	0.13	0.03	0.00	0.00	0.00	0.00	0.13	0.29
5740	7.27	2.37	3.94	1.10	1.45	0.22	6.77	23.12	9.08	2.43	5.18	1.45	2.23	0.33	9.41	30.11
5750	1.09	0.34	0.00	0.00	0.00	0.00	1.01	2.44	1.37	0.35	0.00	0.00	0.00	0.00	1.40	3.12
5755	0.11	0.04	0.00	0.00	0.00	0.00	0.11	0.26	0.14	0.04	0.00	0.00	0.00	0.00	0.15	0.33
5760	0.59	0.18	0.00	0.00	0.00	0.00	0.54	1.31	0.73	0.19	0.00	0.00	0.00	0.00	0.75	1.67
5765	0.89	0.28	0.00	0.00	0.00	0.00	0.82	1.99	1.11	0.29	0.00	0.00	0.00	0.00	1.14	2.54
5770	1.31	0.41	0.00	0.00	0.00	0.00	1.21	2.93	1.64	0.42	0.00	0.00	0.00	0.00	1.68	3.74
5775	1.84	0.57	0.00	0.00	0.00	0.00	1.70	4.11	2.30	0.59	0.00	0.00	0.00	0.00	2.36	5.25
5780	0.10	0.03	0.00	0.00	0.00	0.00	0.09	0.22	0.13	0.03	0.00	0.00	0.00	0.00	0.13	0.29
5785	13.03	4.38	3.85	1.08	5.39	0.81	12.23	40.77	16.28	4.49	5.06	1.42	8.54	1.28	16.98	54.05
5790	14.57	4.87	5.69	1.59	5.50	0.82	13.66	46.70	18.21	4.99	7.49	2.10	8.72	1.31	18.97	61.79
5795	14.77	5.03	5.69	1.59	7.60	1.14	13.90	49.72	18.46	5.15	7.49	2.10	12.14	1.82	19.30	66.46
5800	16.97	5.79	8.93	2.50	8.99	1.35	15.98	60.51	21.22	5.93	11.74	3.29	14.38	2.16	22.19	80.91
5805	16.29	5.40	5.69	1.59	5.39	0.81	15.24	50.41	20.36	5.53	7.49	2.10	8.54	1.28	21.17	66.47
5810	17.25	5.71	5.69	1.59	5.50	0.82	16.13	52.69	21.57	5.85	7.49	2.10	8.72	1.31	22.41	69.45
5815	19.37	6.47	8.93	2.50	7.60	1.14	18.16	64.17	24.22	6.63	11.74	3.29	12.14	1.82	25.22	85.06
5820	21.36	7.16	8.93	2.50	8.99	1.35	20.03	70.32	26.70	7.33	11.74	3.29	14.38	2.16	27.82	93.42
5830	1.32	0.41	0.00	0.00	0.00	0.00	1.22	2.95	1.65	0.42	0.00	0.00	0.00	0.00	1.70	3.77
5835	1.74	0.54	0.00	0.00	0.00	0.00	1.61	3.89	2.18	0.56	0.00	0.00	0.00	0.00	2.24	4.98
5840	1.99	0.62	0.00	0.00	0.00	0.00	1.84	4.45	2.49	0.64	0.00	0.00	0.00	0.00	2.56	5.69
5845	2.00	0.63	0.00	0.00	0.00	0.00	1.85	4.48	2.50	0.64	0.00	0.00	0.00	0.00	2.57	5.71
5860	4.96	1.54	2.09	0.80	0.00	0.00	6.27	15.66	6.20	1.58	2.76	1.05	0.00	0.00	8.15	19.74
5865	5.47	1.70	2.59	0.98	0.00	0.00	6.91	17.65	6.83	1.74	3.41	1.30	0.00	0.00	8.98	22.26
5870	7.35	2.29	3.65	1.39	0.00	0.00	9.29	23.97	9.19	2.34	4.81	1.83	0.00	0.00	12.08	30.25
5875	8.60	2.68	4.65	1.77	0.00	0.00	10.87	28.57	10.75	2.74	6.12	2.33	0.00	0.00	14.13	36.07
5885	3.51	1.09	2.16	0.82	0.00	0.00	4.43	12.01	4.39	1.12	2.84	1.08	0.00	0.00	5.76	15.19
5890	3.88	1.21	2.16	0.82	0.00	0.00	4.90	12.97	4.85	1.24	2.84	1.08	0.00	0.00	6.37	16.38
5895	6.93	2.16	2.66	1.01	0.00	0.00	8.75	21.51	8.66	2.21	3.50	1.33	0.00	0.00	11.38	27.08
5900	7.12	2.22	2.66	1.01	0.00	0.00	9.00	22.01	8.90	2.27	3.50	1.33	0.00	0.00	11.70	27.70
5905	8.71	2.71	3.65	1.39	0.00	0.00	11.00	27.46	10.88	2.78	4.81	1.83	0.00	0.00	14.30	34.60
5910	9.00	2.80	3.65	1.39	0.00	0.00	11.37	28.21	11.25	2.87	4.81	1.83	0.00	0.00	14.79	35.55
5915	11.38	3.54	4.98	1.89	0.00	0.00	14.38	36.17	14.22	3.63	6.56	2.49	0.00	0.00	18.69	45.59
5920	11.68	3.64	4.98	1.89	0.00	0.00	14.76	36.95	14.60	3.72	6.56	2.49	0.00	0.00	19.19	46.56
5925	16.14	5.02	6.97	2.65	0.00	0.00	20.39	51.17	20.17	5.14	9.19	3.49	0.00	0.00	26.51	64.50
5930	16.56	5.15	6.97	2.65	0.00	0.00	20.93	52.26	20.70	5.28	9.19	3.49	0.00	0.00	27.20	65.86
5940	3.79	1.18	2.09	0.80	0.00	0.00	4.78	12.64	4.73	1.21	2.76	1.05	0.00	0.00	6.22	15.97

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5945	4.59	1.43	2.59	0.98	0.00	0.00	5.80	15.39	5.73	1.46	3.41	1.30	0.00	0.00	7.53	19.43
5950	5.34	1.66	2.89	1.10	0.00	0.00	6.75	17.74	6.68	1.70	3.81	1.45	0.00	0.00	8.78	22.42
5955	7.13	2.22	4.05	1.54	0.00	0.00	9.01	23.95	8.92	2.27	5.34	2.03	0.00	0.00	11.72	30.28
5960	9.53	2.96	4.98	1.89	0.00	0.00	12.04	31.40	11.91	3.04	6.56	2.49	0.00	0.00	15.65	39.65
5965	13.81	4.30	7.41	2.81	0.00	0.00	17.44	45.77	17.26	4.40	9.75	3.71	0.00	0.00	22.68	57.80
5975	4.18	1.30	2.16	0.82	0.00	0.00	5.29	13.75	5.23	1.33	2.84	1.08	0.00	0.00	6.87	17.35
5980	5.34	1.66	2.59	0.98	0.00	0.00	6.74	17.31	6.67	1.70	3.41	1.30	0.00	0.00	8.77	21.85
5985	8.32	2.59	4.32	1.64	0.00	0.00	10.52	27.39	10.40	2.65	5.69	2.16	0.00	0.00	13.67	34.57
5990	12.25	3.81	6.31	2.40	0.00	0.00	15.48	40.25	15.31	3.91	8.31	3.16	0.00	0.00	20.12	50.81
6000	3.08	0.96	1.39	0.53	0.00	0.00	3.89	9.85	3.85	0.98	1.84	0.70	0.00	0.00	5.05	12.42
6005	4.02	1.25	2.32	0.88	0.00	0.00	5.08	13.55	5.03	1.28	3.06	1.16	0.00	0.00	6.61	17.14
6010	4.99	1.55	2.59	0.98	0.00	0.00	6.31	16.42	6.24	1.59	3.41	1.30	0.00	0.00	8.20	20.74
6015	7.34	2.29	3.99	1.51	0.00	0.00	9.28	24.41	9.18	2.34	5.25	1.99	0.00	0.00	12.06	30.82
6020	8.57	2.67	4.65	1.77	0.00	0.00	10.82	28.48	10.71	2.73	6.12	2.33	0.00	0.00	14.07	35.96
6025	12.78	3.98	6.64	2.52	0.00	0.00	16.15	42.07	15.98	4.08	8.75	3.32	0.00	0.00	21.00	53.13
6035	3.75	1.17	2.19	0.83	0.00	0.00	4.74	12.68	4.69	1.20	2.89	1.10	0.00	0.00	6.16	16.04
6040	5.37	1.67	2.99	1.14	0.00	0.00	6.78	17.95	6.71	1.71	3.94	1.50	0.00	0.00	8.82	22.68
6045	6.89	2.14	3.65	1.39	0.00	0.00	8.70	22.77	8.61	2.19	4.81	1.83	0.00	0.00	11.31	28.75
6050	8.75	2.72	4.48	1.70	0.00	0.00	11.06	28.71	10.94	2.79	5.90	2.24	0.00	0.00	14.37	36.24
6055	10.50	3.27	5.31	2.02	0.00	0.00	13.26	34.36	13.12	3.35	7.00	2.66	0.00	0.00	17.24	43.37
6060	12.71	3.96	6.64	2.52	0.00	0.00	16.06	41.89	15.89	4.05	8.75	3.32	0.00	0.00	20.88	52.89
6065	25.04	7.79	11.62	4.42	0.00	0.00	31.64	80.51	31.30	7.98	15.31	5.82	0.00	0.00	41.14	101.55
6080	0.64	0.23	0.95	0.30	0.10	0.01	0.49	2.72	0.80	0.23	1.24	0.40	0.18	0.03	0.66	3.54
6085	0.77	0.27	0.46	0.19	0.10	0.01	0.59	2.39	0.97	0.28	0.61	0.26	0.18	0.03	0.79	3.12
6090	0.88	0.31	1.37	0.44	0.08	0.01	0.67	3.76	1.10	0.32	1.78	0.57	0.16	0.02	0.90	4.85
6095	0.99	0.35	0.68	0.28	0.08	0.01	0.76	3.15	1.24	0.36	0.89	0.37	0.16	0.02	1.02	4.06
6100	1.17	0.41	0.86	0.36	0.09	0.01	0.90	3.80	1.46	0.42	1.13	0.48	0.17	0.03	1.20	4.89
6105	1.08	0.38	1.90	0.61	0.09	0.01	0.82	4.89	1.35	0.39	2.48	0.79	0.17	0.03	1.10	6.31
6110	1.25	0.44	2.02	0.65	0.09	0.01	0.95	5.41	1.56	0.45	2.63	0.84	0.17	0.03	1.27	6.95
6115	1.34	0.47	1.11	0.47	0.09	0.01	1.02	4.51	1.67	0.48	1.46	0.61	0.17	0.03	1.37	5.79
6120	1.67	0.60	1.66	0.70	0.31	0.05	1.29	6.28	2.09	0.62	2.19	0.92	0.59	0.09	1.72	8.22
6125	2.09	0.75	2.12	0.89	0.35	0.05	1.61	7.86	2.61	0.77	2.79	1.17	0.66	0.10	2.15	10.25
6130	2.97	1.11	2.40	1.01	1.01	0.15	2.31	10.96	3.71	1.13	3.16	1.33	1.93	0.29	3.09	14.64
6135	3.00	1.12	2.52	1.06	1.01	0.15	2.33	11.19	3.76	1.14	3.32	1.39	1.93	0.29	3.13	14.96
6145	1.89	0.67	1.14	0.48	0.20	0.03	1.44	5.85	2.36	0.68	1.50	0.63	0.38	0.06	1.93	7.54
6150	3.29	1.18	2.03	0.85	0.60	0.09	2.53	10.57	4.11	1.21	2.67	1.12	1.15	0.17	3.38	13.81
6155	4.48	1.61	2.55	1.07	0.83	0.12	3.44	14.10	5.60	1.65	3.36	1.41	1.58	0.24	4.61	18.45
6160	6.00	2.21	3.39	1.42	1.70	0.25	4.65	19.62	7.50	2.26	4.45	1.87	3.24	0.49	6.22	26.03
6165	7.71	2.80	4.71	1.98	1.70	0.25	5.94	25.09	9.63	2.86	6.20	2.60	3.24	0.49	7.96	32.98
6170	9.77	3.58	5.69	2.39	2.58	0.39	7.56	31.96	12.21	3.66	7.49	3.15	4.92	0.74	10.12	42.29
6180	3.49	1.27	2.00	0.84	0.75	0.11	2.69	11.15	4.37	1.29	2.63	1.11	1.43	0.21	3.61	14.65
6185	4.18	1.50	2.00	0.84	0.75	0.11	3.22	12.60	5.23	1.54	2.63	1.11	1.43	0.21	4.31	16.46
6190	5.10	1.82	2.62	1.10	0.83	0.12	3.92	15.51	6.37	1.86	3.44	1.45	1.58	0.24	5.25	20.19
6195	5.48	1.96	2.62	1.10	0.83	0.12	4.21	16.32	6.85	2.00	3.44	1.45	1.58	0.24	5.63	21.19
6200	5.19	1.86	2.46	1.03	0.83	0.12	3.99	15.48	6.49	1.90	3.24	1.36	1.58	0.24	5.34	20.15
6205	5.85	2.08	3.23	1.36	0.83	0.12	4.49	17.96	7.31	2.13	4.25	1.79	1.58	0.24	6.01	23.31
6210	6.26	2.22	3.23	1.36	0.83	0.12	4.80	18.82	7.83	2.27	4.25	1.79	1.58	0.24	6.43	24.39
6215	5.93	2.13	3.08	1.29	1.02	0.15	4.56	18.16	7.41	2.17	4.05	1.70	1.94	0.29	6.10	23.66
6220	7.37	2.62	3.85	1.62	1.02	0.15	5.65	22.28	9.21	2.68	5.06	2.13	1.94	0.29	7.57	28.88
6225	9.46	3.40	4.77	2.00	1.70	0.25	7.28	28.86	11.83	3.47	6.28	2.64	3.24	0.49	9.74	37.69
6230	13.00	4.70	6.16	2.59	2.70	0.41	10.01	39.57	16.25	4.81	8.10	3.40	5.16	0.77	13.41	51.90
6235	16.41	5.86	8.31	2.49	5.65	0.85	11.07	50.64	19.69	5.97	10.93	3.28	10.78	1.62	14.24	66.51
6240	23.18	8.47	11.54	3.46	7.67	1.15	15.70	71.17	27.81	8.63	15.19	4.56	14.64	2.20	20.18	93.21
6245	46.29	17.30	21.24	6.37	19.31	2.90	31.47	144.88	55.55	17.62	27.94	8.38	36.87	5.53	40.46	192.35
6255	4.51	1.61	2.62	1.10	0.75	0.11	3.46	14.16	5.63	1.65	3.44	1.45	1.43	0.21	4.64	18.45

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6260	5.29	1.89	3.39	1.42	0.83	0.12	4.07	17.01	6.62	1.93	4.45	1.87	1.58	0.24	5.44	22.13
6265	6.16	2.21	3.72	1.56	1.02	0.15	4.73	19.55	7.70	2.25	4.90	2.06	1.94	0.29	6.34	25.48
6270	8.86	3.21	4.74	1.99	1.95	0.29	6.83	27.87	11.07	3.29	6.24	2.62	3.72	0.56	9.15	36.65
6275	11.80	4.33	6.25	2.62	3.11	0.47	9.13	37.71	14.76	4.42	8.22	3.45	5.94	0.89	12.22	49.90
6280	15.11	5.43	8.59	2.58	5.65	0.85	10.20	48.41	18.13	5.53	11.30	3.39	10.78	1.62	13.12	63.87
6285	22.22	7.98	11.08	3.32	5.94	0.89	15.01	66.44	26.66	8.13	14.58	4.37	11.34	1.70	19.29	86.07
6290	40.69	14.99	18.84	5.65	14.65	2.20	27.59	124.61	48.83	15.26	24.79	7.44	27.97	4.20	35.48	163.97
6300	3.43	1.24	2.15	0.90	0.70	0.10	2.64	11.16	4.29	1.27	2.83	1.19	1.33	0.20	3.54	14.65
6305	4.01	1.44	2.46	1.03	0.70	0.10	3.08	12.82	5.01	1.47	3.24	1.36	1.33	0.20	4.13	16.74
6310	5.15	1.83	3.39	1.42	0.70	0.10	3.95	16.54	6.43	1.87	4.45	1.87	1.33	0.20	5.29	21.44
6315	5.59	2.01	3.91	1.64	1.02	0.15	4.30	18.62	6.99	2.06	5.14	2.16	1.94	0.29	5.76	24.24
6320	7.74	2.84	5.05	2.12	2.05	0.31	5.99	26.10	9.68	2.90	6.64	2.79	3.91	0.59	8.02	34.53
6325	11.95	4.37	6.86	2.88	3.11	0.47	9.23	38.87	14.93	4.47	9.03	3.79	5.94	0.89	12.37	51.42
6330	14.82	5.33	8.46	2.54	5.65	0.85	10.01	47.66	17.78	5.43	11.14	3.34	10.78	1.62	12.87	62.96
6335	17.84	6.52	10.77	3.23	5.94	0.89	12.09	57.28	21.41	6.64	14.17	4.25	11.34	1.70	15.54	75.06
6345	1.57	0.58	1.48	0.62	0.43	0.06	1.21	5.95	1.96	0.59	1.94	0.82	0.81	0.12	1.63	7.87
6350	1.84	0.67	1.48	0.62	0.43	0.06	1.42	6.52	2.30	0.69	1.94	0.82	0.81	0.12	1.91	8.59
6355	2.09	0.76	1.85	0.78	0.43	0.06	1.61	7.58	2.62	0.78	2.43	1.02	0.81	0.12	2.16	9.94
6360	4.70	1.67	1.94	0.81	0.61	0.09	3.61	13.43	5.88	1.71	2.55	1.07	1.16	0.17	4.83	17.37
6370	3.98	1.43	2.46	1.03	0.75	0.11	3.07	12.83	4.98	1.47	3.24	1.36	1.43	0.21	4.11	16.80
6375	4.92	1.76	3.08	1.29	0.83	0.12	3.78	15.78	6.16	1.80	4.05	1.70	1.58	0.24	5.07	20.60
6380	5.72	2.06	3.69	1.55	1.02	0.15	4.40	18.59	7.16	2.10	4.86	2.04	1.94	0.29	5.90	24.29
6385	8.26	2.99	4.77	2.00	1.70	0.25	6.36	26.33	10.33	3.05	6.28	2.64	3.24	0.49	8.52	34.55
6390	11.32	4.15	5.82	2.44	2.96	0.44	8.75	35.88	14.14	4.24	7.65	3.21	5.66	0.85	11.72	47.47
6395	15.68	5.87	6.43	2.70	5.65	0.85	12.19	49.37	19.59	6.00	8.46	3.56	10.78	1.62	16.33	66.74
6400	22.18	7.97	12.77	3.83	5.94	0.89	14.98	68.56	26.62	8.12	16.81	5.04	11.34	1.70	19.26	88.89
6405	41.23	14.88	18.16	5.45	11.64	1.75	27.86	120.97	49.47	15.15	23.89	7.17	22.22	3.33	35.82	157.05
6415	1.70	0.61	1.32	0.56	0.32	0.05	1.31	5.87	2.12	0.63	1.74	0.73	0.59	0.09	1.75	7.65
6420	4.60	1.65	2.62	1.10	0.75	0.11	3.53	14.36	5.75	1.68	3.44	1.45	1.43	0.21	4.73	18.69
6425	5.63	2.00	3.23	1.36	0.70	0.10	4.31	17.33	7.03	2.04	4.25	1.79	1.33	0.20	5.78	22.42
6430	7.96	2.87	4.46	1.87	1.53	0.23	6.12	25.04	9.95	2.93	5.87	2.47	2.92	0.44	8.20	32.78
6435	13.50	4.89	8.00	2.40	5.65	0.85	9.13	44.42	16.20	4.98	10.53	3.16	10.78	1.62	11.74	59.01
6445	4.80	1.74	3.20	1.34	1.02	0.15	3.70	15.95	6.00	1.78	4.21	1.77	1.94	0.29	4.96	20.95
6450	6.66	2.44	4.86	2.04	1.70	0.25	5.15	23.10	8.33	2.49	6.40	2.69	3.24	0.49	6.89	30.53
6455	7.15	2.61	5.08	2.13	1.78	0.27	5.52	24.54	8.93	2.67	6.68	2.81	3.39	0.51	7.39	32.38
6460	9.63	3.54	6.68	2.81	2.70	0.41	7.45	33.22	12.04	3.62	8.79	3.69	5.16	0.77	9.98	44.05
6465	12.53	4.53	9.39	2.82	5.12	0.77	8.47	43.63	15.04	4.62	12.35	3.71	9.77	1.47	10.89	57.85
6470	19.12	7.12	11.79	3.54	7.67	1.15	12.99	63.38	22.94	7.25	15.51	4.65	14.64	2.20	16.70	83.89
6480	2.01	0.71	1.48	0.62	0.24	0.04	1.54	6.64	2.51	0.73	1.94	0.82	0.45	0.07	2.07	8.59
6485	2.17	0.78	2.00	0.84	0.32	0.05	1.67	7.83	2.72	0.80	2.63	1.11	0.60	0.09	2.24	10.19
6490	2.35	0.86	2.22	0.93	0.63	0.09	1.82	8.90	2.93	0.88	2.92	1.22	1.18	0.18	2.43	11.74
6500	4.78	1.73	3.17	1.33	1.02	0.15	3.68	15.86	5.97	1.77	4.17	1.75	1.94	0.29	4.93	20.82
6505	5.62	2.02	3.79	1.59	1.02	0.15	4.32	18.51	7.02	2.06	4.98	2.09	1.94	0.29	5.79	24.17
6510	7.69	2.80	4.43	1.86	1.78	0.27	5.94	24.77	9.62	2.86	5.83	2.45	3.39	0.51	7.95	32.61
6515	8.28	3.00	5.17	2.17	1.78	0.27	6.38	27.05	10.35	3.07	6.80	2.86	3.39	0.51	8.54	35.52
6520	10.65	3.89	6.46	2.71	2.64	0.40	8.22	34.97	13.31	3.97	8.50	3.57	5.05	0.76	11.02	46.18
6525	11.49	4.02	7.60	2.28	2.64	0.40	7.73	36.16	13.79	4.09	10.00	3.00	5.05	0.76	9.93	46.62
6530	15.11	5.43	9.45	2.83	5.65	0.85	10.20	49.52	18.13	5.53	12.43	3.73	10.78	1.62	13.12	65.34
6535	22.18	8.14	14.16	4.25	7.67	1.15	15.03	72.58	26.61	8.29	18.63	5.59	14.64	2.20	19.32	95.28
6545	4.33	1.58	2.86	1.20	1.02	0.15	3.34	14.48	5.41	1.61	3.77	1.58	1.94	0.29	4.48	19.08
6550	5.55	1.99	7.07	2.26	1.02	0.15	4.27	22.31	6.93	2.04	9.21	2.95	1.94	0.29	5.71	29.07
6555	7.30	2.66	4.92	2.07	1.70	0.25	5.63	24.53	9.13	2.72	6.48	2.72	3.24	0.49	7.55	32.33
6560	8.20	3.08	5.69	2.39	3.11	0.47	6.38	29.32	10.24	3.15	7.49	3.15	5.94	0.89	8.55	39.41
6565	14.87	5.37	8.77	2.63	6.02	0.90	10.05	48.61	17.84	5.47	11.54	3.46	11.49	1.72	12.92	64.44
6570	19.53	7.09	12.31	3.69	5.94	0.89	13.21	62.66	23.44	7.22	16.20	4.86	11.34	1.70	16.99	81.73

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6585	2.72	0.97	1.45	0.46	0.34	0.05	2.39	8.38	3.40	0.99	1.90	0.61	0.48	0.07	3.17	10.62
6590	3.40	1.21	1.94	0.62	0.33	0.05	2.98	10.53	4.25	1.23	2.55	0.82	0.46	0.07	3.96	13.34
6595	5.45	1.93	2.46	0.79	0.53	0.08	4.77	16.01	6.81	1.97	3.24	1.04	0.75	0.11	6.34	20.26
6600	6.25	2.23	3.42	1.09	0.71	0.11	5.48	19.29	7.81	2.28	4.50	1.44	0.99	0.15	7.28	24.45
6610	2.99	1.07	1.79	0.57	0.38	0.06	2.62	9.48	3.74	1.09	2.35	0.75	0.53	0.08	3.48	12.02
6615	3.56	1.27	1.91	0.61	0.42	0.06	3.12	10.95	4.45	1.30	2.51	0.80	0.60	0.09	4.15	13.90
6620	4.12	1.47	2.15	0.69	0.53	0.08	3.61	12.65	5.14	1.51	2.83	0.91	0.75	0.11	4.80	16.05
6625	4.74	1.69	2.46	0.79	0.53	0.08	4.15	14.44	5.92	1.72	3.24	1.04	0.75	0.11	5.51	18.29
6630	5.63	2.03	3.08	0.98	0.83	0.13	4.95	17.63	7.04	2.07	4.05	1.30	1.17	0.18	6.58	22.39
6640	2.41	0.87	1.48	0.47	0.36	0.05	2.12	7.76	3.02	0.89	1.94	0.62	0.51	0.08	2.82	9.88
6645	2.69	0.96	1.48	0.47	0.36	0.05	2.36	8.37	3.36	0.99	1.94	0.62	0.51	0.08	3.14	10.64
6650	2.87	1.03	1.85	0.59	0.36	0.05	2.52	9.27	3.59	1.05	2.43	0.78	0.51	0.08	3.35	11.79
6655	3.18	1.15	1.94	0.62	0.52	0.08	2.80	10.29	3.98	1.18	2.55	0.82	0.74	0.11	3.72	13.10
6660	3.57	1.28	2.22	0.71	0.52	0.08	3.13	11.51	4.46	1.31	2.92	0.93	0.74	0.11	4.16	14.63
6665	5.13	1.82	3.08	0.98	0.52	0.08	4.50	16.11	6.42	1.86	4.05	1.30	0.74	0.11	5.97	20.45
6675	2.80	0.99	1.48	0.47	0.21	0.03	2.45	8.43	3.50	1.01	1.94	0.62	0.29	0.04	3.25	10.65
6680	3.17	1.12	2.00	0.64	0.28	0.04	2.77	10.02	3.96	1.15	2.63	0.84	0.39	0.06	3.68	12.71
6685	3.28	1.19	2.22	0.71	0.53	0.08	2.89	10.90	4.10	1.21	2.92	0.93	0.75	0.11	3.84	13.86
6700	5.84	1.82	2.09	0.80	0.00	0.00	7.38	17.93	7.30	1.86	2.76	1.05	0.00	0.00	9.59	22.56
6705	6.49	2.02	2.59	0.98	0.00	0.00	8.20	20.28	8.11	2.07	3.41	1.30	0.00	0.00	10.66	25.55
6715	4.55	1.42	2.16	0.82	0.00	0.00	5.75	14.70	5.69	1.45	2.84	1.08	0.00	0.00	7.48	18.54
6725	0.57	0.15	0.00	0.51	0.00	0.00	0.66	1.89								
6730	1.19	0.32	0.00	1.05	0.00	0.00	1.37	3.93								
6735	2.39	0.64	0.00	1.99	0.00	0.00	2.76	7.78								
6740	0.58	0.15	0.00	0.25	0.00	0.00	0.66	1.64								
6745	0.90	0.24	0.00	0.37	0.00	0.00	1.04	2.55								
6760	2.03	0.54	0.00	0.27	0.00	0.00	2.33	5.17								
6765	2.65	0.71	0.00	0.50	0.00	0.00	3.05	6.91								
6770	3.13	0.84	0.00	0.79	0.00	0.00	3.60	8.36								
6785	4.76	1.28	0.00	0.32	0.00	0.00	5.48	11.84								
6790	4.92	1.32	0.00	0.32	0.00	0.00	5.66	12.22								
6795	7.66	2.06	0.00	0.50	0.00	0.00	8.82	19.04								
6800	8.02	2.16	0.00	0.60	0.00	0.00	9.24	20.02								
6815	3.83	1.03	0.00	0.44	0.00	0.00	4.41	9.71								
6820	4.53	1.22	0.00	0.50	0.00	0.00	5.22	11.47								
6825	5.17	1.39	0.00	0.60	0.00	0.00	5.95	13.11								
6830	5.56	1.49	0.00	0.74	0.00	0.00	6.40	14.19								
6835	6.61	1.78	0.00	0.64	0.00	0.00	7.61	16.64								
6840	7.94	2.13	0.00	0.94	0.00	0.00	9.14	20.15								
6845	8.99	2.42	0.00	0.94	0.00	0.00	10.36	22.71								
6850	11.78	3.17	0.00	1.16	0.00	0.00	13.56	29.67								
6855	13.47	3.62	0.00	1.27	0.00	0.00	15.50	33.86								
6870	3.04	0.82	0.71	0.23	0.00	0.00	3.50	8.30								
6875	6.41	1.72	1.54	0.49	0.00	0.00	7.38	17.54								
6880	7.43	2.00	2.34	0.75	0.00	0.00	8.56	21.08								
6885	7.83	2.10	2.77	0.89	0.00	0.00	9.01	22.60								
6890	10.57	2.84	4.09	1.31	0.00	0.00	12.17	30.98								
6895	12.58	3.38	4.19	1.34	0.00	0.00	14.48	35.97								
6905	6.92	1.86	1.39	0.76	0.00	0.00	7.97	18.90								
6910	8.44	2.27	2.43	1.26	0.00	0.00	9.72	24.12								
6915	10.54	2.83	3.57	1.72	0.00	0.00	12.13	30.79								
6920	13.48	3.62	3.97	1.96	0.00	0.00	15.52	38.55								
6925	25.13	6.75	6.65	3.43	0.00	0.00	28.93	70.89								
6930	28.93	7.77	8.25	4.24	0.00	0.00	33.30	82.49								
6940	3.75	1.01	0.00	0.50	0.00	0.00	4.31	9.57								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6945	4.00	1.07	0.00	0.65	0.00	0.00	4.60	10.32								
6950	5.33	1.43	0.00	0.65	0.00	0.00	6.14	13.55								
6955	1.36	0.36	0.00	0.25	0.00	0.00	1.56	3.53								
6960	1.72	0.46	0.00	0.34	0.00	0.00	1.98	4.50								
6965	2.15	0.58	0.00	0.44	0.00	0.00	2.47	5.64								
6975	5.18	1.39	0.00	0.67	0.00	0.00	5.97	13.21								
6980	5.93	1.59	0.00	0.79	0.00	0.00	6.83	15.14								
6985	6.37	1.71	0.00	0.94	0.00	0.00	7.33	16.35								
6990	7.81	2.10	0.00	1.11	0.00	0.00	8.99	20.01								
6995	9.65	2.59	0.00	1.16	0.00	0.00	11.11	24.51								
7000	13.96	3.75	0.00	1.37	0.00	0.00	16.07	35.15								
7015	7.15	1.92	2.92	0.94	0.00	0.00	8.24	21.17								
7020	12.72	3.42	4.80	1.54	0.00	0.00	14.64	37.12								
7025	18.70	5.03	9.54	3.05	0.00	0.00	21.53	57.85								
7030	21.57	5.80	15.70	5.02	0.00	0.00	24.84	72.93								
7035	27.36	7.35	17.85	5.71	0.00	0.00	31.50	89.77								
7050	7.73	3.14	1.79	0.71	0.00	0.00	6.27	19.64	9.28	3.19	2.30	0.92	0.00	0.00	8.52	24.21
7055	12.50	5.08	3.40	1.36	0.00	0.00	10.13	32.47	15.00	5.15	4.37	1.75	0.00	0.00	13.78	40.05
7060	14.32	5.81	3.40	1.36	0.00	0.00	11.61	36.50	17.18	5.90	4.37	1.75	0.00	0.00	15.79	44.99
7065	18.04	7.33	5.10	2.04	0.00	0.00	14.63	47.14	21.65	7.44	6.56	2.62	0.00	0.00	19.89	58.16
7070	25.19	10.23	6.97	2.79	0.00	0.00	20.42	65.60	30.23	10.38	8.97	3.59	0.00	0.00	27.77	80.94
7085	1.37	0.32	0.00	0.15	0.00	0.00	1.19	3.03								
7090	0.51	0.12	0.00	0.10	0.00	0.00	0.44	1.17								
7095	2.02	0.47	0.00	0.31	0.00	0.00	1.75	4.55								
7100	0.87	0.20	0.00	0.05	0.00	0.00	0.76	1.88								
7115	0.06	0.02	0.16	0.05	0.00	0.00	0.05	0.34								
7130	0.04	0.01	0.16	0.05	0.00	0.00	0.03	0.29								
7135	0.05	0.02	0.25	0.08	0.00	0.00	0.04	0.44								
7140	0.09	0.03	0.66	0.21	0.00	0.00	0.08	1.07								
7150	0.69	0.24	3.52	1.13	0.00	0.00	0.61	6.19								
7155	0.69	0.24	1.29	0.49	0.00	0.00	0.61	3.32								
7160	0.97	0.33	6.47	2.07	0.00	0.00	0.85	10.69								
7165	1.09	0.38	2.58	0.98	0.00	0.00	0.96	5.99								
7170	1.68	0.58	3.01	1.14	0.00	0.00	1.48	7.89								
7175	1.79	0.62	2.92	1.11	0.00	0.00	1.58	8.02								
7190	0.07	0.03	0.41	0.13	0.00	0.00	0.07	0.71								
7195	0.10	0.04	0.66	0.21	0.00	0.00	0.09	1.10								
7200	0.21	0.07	1.31	0.42	0.00	0.00	0.18	2.19								
7215	0.09	0.03	0.25	0.08	0.00	0.00	0.08	0.53								
7220	0.10	0.04	0.25	0.08	0.00	0.00	0.09	0.56								
7235	0.13	0.04	0.23	0.11	0.00	0.00	0.06	0.57								
7240	0.18	0.06	0.58	0.26	0.00	0.00	0.08	1.16								
7245	0.64	0.22	2.92	1.32	0.00	0.00	0.28	5.38								
7250	0.84	0.29	7.02	3.16	0.00	0.00	0.37	11.68								
7260	0.10	0.03	0.12	0.05	0.00	0.00	0.04	0.34								
7265	0.14	0.05	0.23	0.11	0.00	0.00	0.06	0.59								
7270	0.19	0.07	0.94	0.42	0.00	0.00	0.08	1.70								
7285	3.98	1.02	0.00	0.15	0.00	0.00	3.22	8.37	5.31	1.06	0.00	0.15	0.00	0.00	4.83	11.35
7290	0.31	0.08	0.00	0.00	0.00	0.00	0.25	0.64	0.42	0.08	0.00	0.00	0.00	0.00	0.38	0.88
7295	2.53	0.64	0.00	0.10	0.00	0.00	2.04	5.31	3.37	0.67	0.00	0.10	0.00	0.00	3.06	7.20
7300	0.20	0.05	0.00	0.00	0.00	0.00	0.16	0.41	0.27	0.05	0.00	0.00	0.00	0.00	0.24	0.56
7305	1.88	0.48	0.00	0.08	0.00	0.00	1.52	3.96	2.51	0.50	0.00	0.08	0.00	0.00	2.28	5.37
7310	0.09	0.02	0.00	0.00	0.00	0.00	0.07	0.18	0.12	0.02	0.00	0.00	0.00	0.00	0.11	0.25
7315	2.17	0.55	0.00	0.10	0.00	0.00	1.76	4.58	2.90	0.58	0.00	0.10	0.00	0.00	2.64	6.22
7320	0.20	0.05	0.00	0.00	0.00	0.00	0.16	0.41	0.26	0.05	0.00	0.00	0.00	0.00	0.24	0.55

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7325	1.57	0.40	0.00	0.08	0.00	0.00	1.27	3.32	2.09	0.42	0.00	0.08	0.00	0.00	1.90	4.49
7330	0.12	0.03	0.00	0.00	0.00	0.00	0.10	0.25	0.17	0.03	0.00	0.00	0.00	0.00	0.15	0.35
7335	0.91	0.23	0.00	0.08	0.00	0.00	0.74	1.96	1.22	0.24	0.00	0.08	0.00	0.00	1.11	2.65
7340	0.05	0.01	0.00	0.00	0.00	0.00	0.04	0.10	0.07	0.01	0.00	0.00	0.00	0.00	0.06	0.14
7345	2.42	0.62	0.00	0.08	0.00	0.00	1.96	5.08	3.23	0.64	0.00	0.08	0.00	0.00	2.94	6.89
7350	0.20	0.05	0.00	0.00	0.00	0.00	0.16	0.41	0.26	0.05	0.00	0.00	0.00	0.00	0.24	0.55
7355	2.15	0.55	0.00	0.08	0.00	0.00	1.74	4.52	2.87	0.57	0.00	0.08	0.00	0.00	2.61	6.13
7360	0.26	0.07	0.00	0.00	0.00	0.00	0.21	0.54	0.35	0.07	0.00	0.00	0.00	0.00	0.32	0.74
7365	0.76	0.24	0.00	0.08	0.00	0.00	0.61	1.69	0.95	0.24	0.00	0.08	0.00	0.00	0.86	2.13
7375	5.31	1.35	0.00	0.22	0.00	0.00	4.30	11.18	7.08	1.41	0.00	0.22	0.00	0.00	6.44	15.15
7380	0.39	0.10	0.00	0.00	0.00	0.00	0.31	0.80	0.52	0.10	0.00	0.00	0.00	0.00	0.47	1.09
7385	5.65	1.44	0.00	0.21	0.00	0.00	4.57	11.87	7.53	1.50	0.00	0.21	0.00	0.00	6.85	16.09
7390	4.49	1.15	0.00	0.16	0.00	0.00	3.63	9.43	5.99	1.19	0.00	0.16	0.00	0.00	5.45	12.79
7395	0.35	0.09	0.00	0.00	0.00	0.00	0.28	0.72	0.46	0.09	0.00	0.00	0.00	0.00	0.42	0.97
7400	4.19	1.07	0.00	0.16	0.00	0.00	3.38	8.80	5.58	1.11	0.00	0.16	0.00	0.00	5.08	11.93
7405	3.03	0.77	0.00	0.10	0.00	0.00	2.45	6.35	4.04	0.80	0.00	0.10	0.00	0.00	3.67	8.61
7410	0.20	0.05	0.00	0.00	0.00	0.00	0.16	0.41	0.26	0.05	0.00	0.00	0.00	0.00	0.24	0.55
7415	2.95	0.75	0.00	0.10	0.00	0.00	2.38	6.18	3.93	0.78	0.00	0.10	0.00	0.00	3.57	8.38
7420	1.69	0.43	0.00	0.08	0.00	0.00	1.37	3.57	2.26	0.45	0.00	0.08	0.00	0.00	2.05	4.84
7425	0.10	0.03	0.00	0.00	0.00	0.00	0.08	0.21	0.13	0.03	0.00	0.00	0.00	0.00	0.12	0.28
7430	1.06	0.27	0.00	0.08	0.00	0.00	0.86	2.27	1.41	0.28	0.00	0.08	0.00	0.00	1.28	3.05
7435	0.05	0.01	0.00	0.00	0.00	0.00	0.04	0.10	0.07	0.01	0.00	0.00	0.00	0.00	0.06	0.14
7440	0.63	0.16	0.00	0.08	0.00	0.00	0.51	1.38	0.84	0.17	0.00	0.08	0.00	0.00	0.76	1.85
7445	0.03	0.01	0.00	0.00	0.00	0.00	0.02	0.06	0.04	0.01	0.00	0.00	0.00	0.00	0.03	0.08
7450	0.28	0.07	0.00	0.08	0.00	0.00	0.23	0.66	0.37	0.07	0.00	0.08	0.00	0.00	0.34	0.86
7455	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.04
7465	5.72	1.46	0.00	0.28	0.00	0.00	4.62	12.08	7.62	1.52	0.00	0.28	0.00	0.00	6.93	16.35
7470	4.50	1.15	0.00	0.20	0.00	0.00	3.64	9.49	6.00	1.19	0.00	0.20	0.00	0.00	5.46	12.85
7475	3.38	0.86	0.00	0.10	0.00	0.00	2.74	7.08	4.51	0.90	0.00	0.10	0.00	0.00	4.11	9.62
7480	2.11	0.54	0.00	0.09	0.00	0.00	1.71	4.45	2.82	0.56	0.00	0.09	0.00	0.00	2.56	6.03
7495	3.27	1.05	2.62	0.63	0.18	0.03	2.73	10.51								
7500	3.62	1.16	2.62	0.63	0.18	0.03	3.02	11.26								
7505	4.19	1.34	2.62	0.63	0.22	0.03	3.50	12.53								
7510	6.60	2.15	3.85	0.92	0.68	0.10	5.53	19.83								
7520	2.84	0.92	2.34	0.56	0.18	0.03	2.38	9.25								
7525	3.07	0.98	2.34	0.56	0.18	0.03	2.56	9.72								
7530	3.14	1.01	2.40	0.58	0.18	0.03	2.62	9.96								
7535	3.01	0.97	6.36	1.53	0.22	0.03	2.52	14.64								
7540	3.36	1.08	2.34	0.56	0.22	0.03	2.81	10.40								
7545	3.13	1.02	6.36	1.53	0.26	0.04	2.62	14.96								
7550	3.48	1.13	2.34	0.56	0.26	0.04	2.91	10.72								
7555	7.49	2.46	3.60	0.86	0.90	0.13	6.29	21.73								
7565	3.10	1.00	2.09	0.50	0.18	0.03	2.59	9.49								
7570	3.85	1.24	2.09	0.50	0.22	0.03	3.22	11.15								
7575	7.80	2.55	4.00	0.96	0.82	0.12	6.54	22.79								
7580	8.98	3.07	4.00	0.96	2.08	0.31	7.61	27.01								
7595	4.08	1.70	0.00	0.21	1.92	0.29	3.63	11.83								
7600	5.63	2.00	0.00	0.23	1.50	0.22	4.82	14.40								
7610	5.38	2.09	0.00	0.39	1.82	0.27	4.70	14.65								
7615	5.46	2.26	0.00	0.44	2.49	0.37	4.85	15.87								
7620	8.20	3.11	0.00	0.66	2.49	0.37	7.12	21.95								
7630	0.71	0.25	0.00	0.05	0.21	0.03	0.61	1.86								
7645	1.15	0.36	0.00	0.15	0.00	0.00	0.96	2.62								
7650	1.46	0.46	0.00	0.15	0.00	0.00	1.22	3.29								
7655	1.51	0.47	0.00	0.15	0.00	0.00	1.26	3.39								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7660	2.26	0.71	0.00	0.15	0.00	0.00	1.88	5.00								
7665	3.46	1.09	0.00	0.15	0.00	0.00	2.88	7.58								
7670	5.21	1.64	0.00	0.15	0.00	0.00	4.33	11.33								
7675	3.42	1.07	0.00	0.16	0.00	0.00	2.84	7.49								
7680	3.98	1.25	0.00	0.15	0.00	0.00	3.31	8.69								
7685	6.13	1.93	0.00	0.15	0.00	0.00	5.10	13.31								
7695	0.51	0.16	0.00	0.16	0.00	0.00	0.42	1.25								
7700	1.03	0.32	0.00	0.16	0.00	0.00	0.86	2.37								
7715	12.98	4.07	6.46	1.55	0.00	0.00	10.80	35.86								
7720	13.04	4.09	5.23	1.26	0.00	0.00	10.84	34.46								
7725	19.66	6.17	20.13	4.83	0.00	0.00	16.35	67.14								
7730	20.79	6.53	21.73	5.22	0.00	0.00	17.29	71.56								
7735	20.57	6.46	9.54	2.29	0.00	0.00	17.10	55.96								
7745	21.52	6.76	10.16	2.44	0.00	0.00	17.90	58.78								
7760	2.25	0.71	1.60	0.38	0.00	0.00	1.87	6.81								
7765	2.68	0.84	1.60	0.38	0.00	0.00	2.23	7.73								
7770	4.09	1.29	2.62	0.63	0.00	0.00	3.41	12.04								
7775	4.29	1.35	2.62	0.63	0.00	0.00	3.57	12.46								
7780	4.40	1.41	2.62	0.63	0.00	0.00	3.72	12.86								
7785	4.67	1.47	2.62	0.63	0.00	0.00	3.89	13.28								
7795	4.49	1.41	6.36	1.53	0.00	0.00	3.73	17.52								
7800	4.81	1.51	2.62	0.63	0.00	0.00	4.00	13.57								
7805	4.76	1.50	6.36	1.53	0.00	0.00	3.96	18.11								
7810	5.09	1.60	2.62	0.63	0.00	0.00	4.23	14.17								
7815	2.20	0.69	3.21	0.77	0.00	0.00	1.83	8.70								
7820	2.99	0.94	6.36	1.53	0.00	0.00	2.49	14.31								
7825	3.32	1.04	2.62	0.63	0.00	0.00	2.76	10.37								
7830	3.63	1.14	6.36	1.53	0.00	0.00	3.02	15.68								
7835	3.95	1.24	2.62	0.63	0.00	0.00	3.29	11.73								
7840	3.92	1.23	6.36	1.53	0.00	0.00	3.26	16.30								
7845	4.25	1.33	2.62	0.63	0.00	0.00	3.53	12.36								
7860	1.38	0.35	1.47	0.47	0.00	0.00	1.43	5.10								
7865	1.69	0.43	1.47	0.47	0.00	0.00	1.75	5.81								
7870	3.58	0.92	1.85	0.59	0.00	0.00	3.72	10.66								
7875	3.92	1.01	1.85	0.59	0.00	0.00	4.08	11.45								
7880	5.49	1.41	4.08	1.31	0.00	0.00	5.71	18.00								
7885	5.79	1.49	4.08	1.31	0.00	0.00	6.02	18.69								
7895	3.85	0.99	2.10	0.67	0.00	0.00	4.00	11.61								
7900	4.19	1.08	2.10	0.67	0.00	0.00	4.35	12.39								
7905	6.75	1.74	3.31	1.06	0.00	0.00	7.01	19.87								
7910	7.35	1.89	3.31	1.06	0.00	0.00	7.64	21.25								
7920	2.54	0.65	2.95	0.94	0.00	0.00	2.64	9.72								
7925	3.11	0.80	2.95	0.94	0.00	0.00	3.23	11.03								
7935	1.99	0.51	1.29	0.41	0.00	0.00	2.07	6.27								
7940	1.81	0.46	1.29	0.41	0.00	0.00	1.88	5.85								
7950	9.24	2.38	3.22	1.03	0.00	0.00	9.61	25.48								
7955	6.24	1.61	2.15	0.69	0.00	0.00	6.49	17.18								
7970	6.19	1.61	3.13	1.00	0.19	0.03	6.45	18.60								
7975	6.95	1.86	3.65	1.17	0.65	0.10	7.29	21.67								
7980	8.19	2.13	3.65	1.17	0.18	0.03	8.54	23.89								
7985	9.03	2.39	5.37	1.72	0.55	0.08	9.44	28.58								
7990	8.44	2.23	5.37	1.72	0.48	0.07	8.82	27.13								
7995	9.10	2.40	5.37	1.72	0.48	0.07	9.51	28.65								
8000	10.53	2.76	5.37	1.72	0.48	0.07	10.99	31.92								
8005	9.39	2.47	5.37	1.72	0.48	0.07	9.80	29.30								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	SEVERE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8010	10.18	2.67	5.37	1.72	0.48	0.07	10.63	31.12								
8020	9.03	2.32	5.37	1.72	0.00	0.00	9.39	27.83								
8025	7.24	1.92	3.65	1.17	0.48	0.07	7.57	22.10								
8030	7.69	2.03	5.15	1.65	0.48	0.07	8.04	25.11								
8035	8.78	2.31	5.15	1.65	0.48	0.07	9.17	27.61								
8045	9.36	2.46	4.94	1.58	0.48	0.07	9.77	28.66								
8050	13.75	3.65	8.71	2.79	0.98	0.15	14.39	44.42								
8060	5.77	1.50	3.01	0.96	0.10	0.01	6.01	17.36								
8065	5.73	1.50	3.01	0.96	0.20	0.03	5.97	17.40								
8070	7.68	1.99	3.43	1.10	0.14	0.02	8.00	22.36								
8075	6.61	1.72	3.43	1.10	0.20	0.03	6.89	19.98								
8080	6.27	1.69	3.01	0.96	0.65	0.10	6.58	19.26								
8085	8.58	2.25	3.78	1.21	0.42	0.06	8.96	25.26								
8090	9.95	2.61	5.11	1.63	0.44	0.07	10.38	30.19								
8095	7.91	2.09	5.37	1.72	0.48	0.07	8.27	25.91								
8100	11.70	3.07	5.11	1.63	0.55	0.08	12.22	34.36								
8105	10.15	2.67	5.11	1.63	0.55	0.08	10.60	30.79								
8110	8.58	2.29	5.37	1.72	0.72	0.11	8.99	27.78								
8120	6.46	1.73	2.92	0.93	0.65	0.10	6.77	19.56								
8125	5.87	1.53	2.92	0.93	0.18	0.03	6.12	17.58								
8130	6.89	1.79	3.43	1.10	0.18	0.03	7.18	20.60								
8135	7.37	1.97	3.22	1.03	0.65	0.10	7.73	22.07								
8140	7.53	1.96	3.43	1.10	0.18	0.03	7.84	22.07								
8145	9.80	2.58	4.72	1.51	0.48	0.07	10.24	29.40								
8150	8.12	2.14	4.59	1.47	0.48	0.07	8.49	25.36								
8155	8.79	2.32	4.59	1.47	0.48	0.07	9.19	26.91								
8160	11.26	2.95	4.72	1.51	0.48	0.07	11.75	32.74								
8175	1.18	0.30	0.69	0.22	0.00	0.00	1.23	3.62								
8180	3.12	0.80	1.46	0.47	0.00	0.00	3.24	9.09								
8185	7.35	1.89	3.05	0.98	0.00	0.00	7.65	20.92								
8190	9.88	2.54	5.37	1.72	0.00	0.00	10.27	29.78								
8195	11.96	3.08	6.65	2.13	0.00	0.00	12.43	36.25								
8200	14.44	3.71	7.77	2.49	0.00	0.00	15.01	43.42								
8205	16.72	4.30	7.77	2.49	0.00	0.00	17.38	48.66								
8215	1.13	0.29	0.69	0.22	0.00	0.00	1.18	3.51								
8220	2.60	0.67	1.50	0.48	0.00	0.00	2.70	7.95								
8225	6.76	1.74	3.01	0.96	0.00	0.00	7.02	19.49								
8230	9.02	2.32	4.94	1.58	0.00	0.00	9.38	27.24								
8235	12.00	3.09	5.11	1.63	0.00	0.00	12.47	34.30								
8245	1.17	0.30	1.15	0.37	0.00	0.00	1.21	4.20								
8250	6.03	1.55	2.23	0.71	0.00	0.00	6.26	16.78								
8255	8.99	2.31	3.43	1.10	0.00	0.00	9.35	25.18								
8260	11.41	2.94	6.70	2.14	0.00	0.00	11.86	35.05								
8265	20.25	5.21	11.25	3.60	0.00	0.00	21.06	61.37								
8280	0.83	0.16	0.00	0.50	0.02	0.00	0.64	2.15								
8285	1.04	0.19	0.00	0.50	0.03	0.00	0.80	2.56								
8290	1.36	0.26	0.00	0.75	0.05	0.01	1.04	3.47								
8295	3.52	0.71	0.00	1.50	0.41	0.06	2.73	8.93								
8300	2.71	0.50	1.26	0.30	0.03	0.00	2.07	6.87								
8305	3.03	0.56	1.26	0.30	0.03	0.00	2.31	7.49								
8310	3.44	0.63	1.26	0.30	0.03	0.00	2.62	8.28								
8315	0.49	0.09	0.55	0.13	0.00	0.00	0.37	1.63								
8320	0.16	0.03	0.38	0.09	0.00	0.00	0.12	0.78								
8325	0.25	0.04	0.55	0.13	0.00	0.00	0.19	1.16								
8335	0.24	0.05	0.00	0.50	0.02	0.00	0.18	0.99								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8340	0.48	0.09	0.00	0.50	0.02	0.00	0.37	1.46								
8345	0.74	0.14	0.00	0.75	0.02	0.00	0.56	2.21								
8350	0.92	0.17	0.00	0.75	0.03	0.00	0.71	2.58								
8355	3.00	0.55	1.37	0.33	0.00	0.00	2.28	7.53								
8360	3.82	0.69	1.37	0.33	0.00	0.00	2.91	9.12								
8365	1.07	0.19	0.99	0.24	0.00	0.00	0.81	3.30								
8370	0.21	0.04	0.22	0.05	0.00	0.00	0.16	0.68								
8375	0.17	0.03	0.44	0.11	0.00	0.00	0.13	0.88								
8380	0.22	0.04	0.55	0.13	0.00	0.00	0.16	1.10								
8385	0.22	0.04	0.55	0.13	0.00	0.00	0.17	1.11								
8400	10.99	3.65	5.53	2.21	2.77	0.42	8.47	34.04	13.73	3.73	7.23	2.89	4.61	0.69	11.29	44.17
8405	16.82	5.18	7.90	2.53	5.77	0.87	10.55	49.62	21.03	5.32	10.33	3.30	9.59	1.44	14.21	65.22
8410	21.52	6.57	9.36	2.99	6.62	0.99	12.45	60.50	26.90	6.75	12.30	3.93	11.00	1.65	16.85	79.38
8415	24.10	7.31	10.42	3.34	6.62	0.99	15.08	67.86	30.13	7.50	13.63	4.36	11.00	1.65	20.30	88.57
8420	24.88	7.53	13.49	3.51	8.78	1.32	15.56	75.07	31.10	7.73	17.50	4.55	15.25	2.29	20.95	99.37
8425	26.53	7.99	13.49	3.51	8.78	1.32	16.59	78.21	33.17	8.21	17.50	4.55	15.25	2.29	22.33	103.30
8430	33.08	10.08	12.76	4.08	9.85	1.48	19.12	90.45	41.35	10.35	16.77	5.37	16.36	2.45	25.90	118.55
8435	38.02	11.48	14.22	4.55	9.85	1.48	23.78	103.38	47.53	11.79	18.59	5.95	16.36	2.45	32.01	134.68
8440	41.15	12.37	20.98	5.45	13.06	1.96	25.71	120.68	51.44	12.70	27.22	7.08	22.69	3.40	34.61	159.14
8445	43.04	12.90	20.98	5.45	13.06	1.96	26.88	124.27	53.80	13.25	27.22	7.08	22.69	3.40	36.19	163.63
8450	47.28	14.27	20.98	5.45	16.21	2.43	29.56	136.18	59.10	14.66	27.22	7.08	28.16	4.22	39.80	180.24
8455	43.37	13.25	15.59	4.99	13.36	2.00	25.08	117.64	54.21	13.61	20.49	6.56	22.19	3.33	33.96	154.35
8460	53.58	16.14	28.47	7.40	17.72	2.66	33.49	159.46	66.97	16.57	36.94	9.60	30.78	4.62	45.08	210.56
8465	57.09	17.13	28.47	7.40	17.72	2.66	35.67	166.14	71.37	17.60	36.94	9.60	30.78	4.62	48.01	218.92
8475	14.88	4.52	7.23	2.31	4.27	0.64	9.32	43.17	18.60	4.65	9.46	3.03	7.09	1.06	12.54	56.43
8480	19.53	5.98	9.21	2.95	6.15	0.92	11.30	56.04	24.41	6.14	12.11	3.88	10.21	1.53	15.30	73.58
8485	22.32	6.74	10.27	3.29	5.76	0.86	13.96	63.20	27.90	6.92	13.43	4.30	9.56	1.43	18.79	82.33
8490	24.11	7.24	14.87	3.86	7.64	1.15	15.07	73.94	30.14	7.44	19.28	5.01	13.27	1.99	20.28	97.41
8495	28.95	8.65	14.87	3.86	8.22	1.23	18.07	83.85	36.19	8.88	19.28	5.01	14.28	2.14	24.33	110.11
8505	10.21	3.37	3.95	1.58	2.41	0.36	7.86	29.74	12.76	3.46	5.16	2.07	4.01	0.60	10.48	38.54
8510	20.95	6.41	9.24	2.96	6.62	0.99	12.12	59.29	26.18	6.58	12.15	3.89	11.00	1.65	16.41	77.86
8515	24.89	7.53	15.31	3.98	8.78	1.32	15.57	77.38	31.11	7.73	19.87	5.17	15.25	2.29	20.95	102.37
8520	23.62	7.17	10.30	3.30	6.62	0.99	14.78	66.78	29.52	7.36	13.47	4.31	11.00	1.65	19.90	87.21
8530	10.20	3.37	5.53	2.21	2.41	0.36	7.85	31.93	12.75	3.45	7.23	2.89	4.01	0.60	10.47	41.40
8535	14.58	4.44	7.90	2.53	4.27	0.64	9.13	43.49	18.23	4.56	10.33	3.30	7.09	1.06	12.29	56.86
8545	16.11	4.96	7.58	2.43	5.50	0.83	10.10	47.51	20.13	5.09	9.91	3.17	9.15	1.37	13.60	62.42
8550	25.14	7.97	8.79	2.81	12.42	1.86	14.63	73.62	31.43	8.19	11.55	3.70	20.85	3.13	19.82	98.67
8555	26.53	8.36	9.79	3.13	12.42	1.86	16.71	78.80	33.17	8.59	12.81	4.10	20.85	3.13	22.50	105.15
8560	31.33	9.79	11.96	3.83	13.02	1.95	18.19	90.07	39.16	10.05	15.72	5.03	21.76	3.26	24.63	119.61
8565	32.37	10.08	13.33	4.27	13.02	1.95	20.35	95.37	40.47	10.35	17.43	5.58	21.76	3.26	27.39	126.24
8570	36.93	11.59	13.66	4.37	16.96	2.54	21.46	107.51	46.17	11.90	17.96	5.75	28.59	4.29	29.06	143.72
8575	37.98	11.89	15.23	4.87	16.96	2.54	23.89	113.36	47.47	12.21	19.91	6.37	28.59	4.29	32.16	151.00
8580	39.90	12.46	15.23	4.87	17.21	2.58	25.09	117.34	49.88	12.79	19.91	6.37	28.98	4.35	33.78	156.06
8585	38.27	12.00	13.66	4.37	17.21	2.58	22.23	110.32	47.84	12.32	17.96	5.75	28.98	4.35	30.10	147.30
8590	39.70	12.48	15.59	4.99	18.87	2.83	23.07	117.53	49.63	12.82	20.49	6.56	31.92	4.79	31.24	157.45
8595	41.04	12.88	15.59	4.99	19.13	2.87	23.84	120.34	51.30	13.23	20.49	6.56	32.30	4.85	32.29	161.02
8600	45.38	14.11	15.59	4.99	19.13	2.87	26.33	128.40	56.73	14.49	20.49	6.56	32.30	4.85	35.65	171.07
8605	42.67	13.35	17.37	5.56	19.13	2.87	26.84	127.79	53.34	13.71	22.72	7.27	32.30	4.85	36.13	170.32
8610	43.65	13.62	17.44	5.58	19.13	2.87	25.33	127.62	54.56	13.99	22.91	7.33	32.30	4.85	34.30	170.24
8615	47.27	14.85	17.44	5.58	21.00	3.15	27.47	136.76	59.09	15.25	22.91	7.33	35.14	5.27	37.20	182.19
8625	34.03	10.46	13.61	4.35	11.35	1.70	19.70	95.20	42.54	10.74	17.88	5.72	18.85	2.83	26.68	125.24
8630	22.24	6.71	8.63	2.24	7.66	1.15	13.90	62.53	27.79	6.90	11.20	2.91	13.30	2.00	18.72	82.82
8635	36.68	11.08	18.55	4.82	12.69	1.90	22.94	108.66	45.85	11.38	24.07	6.26	22.05	3.31	30.88	143.80
8640	45.13	13.60	22.18	5.77	15.05	2.26	28.21	132.20	56.41	13.97	28.77	7.48	26.14	3.92	37.98	174.67
8655	3.65	1.54	0.00	1.00	1.58	0.24	2.67	10.68	4.38	1.56	0.00	1.00	2.06	0.31	3.43	12.74

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8660	4.86	2.10	0.00	1.25	2.45	0.37	3.57	14.60	5.83	2.13	0.00	1.25	3.20	0.48	4.59	17.48
8665	5.69	2.45	0.00	1.50	2.85	0.43	4.18	17.10	6.83	2.49	0.00	1.50	3.72	0.56	5.38	20.48
8675	4.72	1.92	0.00	1.50	1.52	0.23	3.42	13.31	5.66	1.96	0.00	1.50	1.98	0.30	4.40	15.80
8680	6.00	2.55	0.00	1.50	2.72	0.41	4.40	17.58	7.20	2.59	0.00	1.50	3.56	0.53	5.65	21.03
8690	2.18	0.92	0.00	0.50	0.93	0.14	1.60	6.27	2.62	0.94	0.00	0.50	1.22	0.18	2.06	7.52
8705	7.75	2.47	4.80	1.34	0.81	0.12	5.92	23.21	9.69	2.53	6.28	1.76	1.38	0.21	8.39	30.24
8710	12.42	4.00	9.60	2.69	1.99	0.30	9.51	40.51	15.53	4.10	12.56	3.52	3.42	0.51	13.48	53.12
8720	12.21	3.84	10.58	2.96	0.45	0.07	9.31	39.42	15.26	3.94	13.84	3.87	0.74	0.11	13.19	50.95
8735	3.33	1.14	2.09	0.75	0.00	0.00	3.96	11.27	4.16	1.17	2.76	0.99	0.00	0.00	5.40	14.48
8740	4.80	1.65	2.59	0.93	0.00	0.00	5.70	15.67	5.99	1.68	3.41	1.23	0.00	0.00	7.77	20.08
8745	6.88	2.36	3.65	1.32	0.00	0.00	8.18	22.39	8.60	2.42	4.81	1.73	0.00	0.00	11.16	28.72
8750	9.61	3.30	4.65	1.67	0.00	0.00	11.42	30.65	12.01	3.37	6.12	2.20	0.00	0.00	15.58	39.28
8760	2.92	1.00	2.16	0.78	0.00	0.00	3.47	10.33	3.65	1.03	2.84	1.02	0.00	0.00	4.74	13.28
8765	3.33	1.14	2.16	0.78	0.00	0.00	3.95	11.36	4.16	1.17	2.84	1.02	0.00	0.00	5.39	14.58
8770	0.66	0.20	0.00	0.08	0.00	0.00	0.53	1.47	0.82	0.21	0.00	0.08	0.00	0.00	0.75	1.86
8775	0.47	0.15	0.00	0.08	0.00	0.00	0.38	1.08	0.59	0.15	0.00	0.08	0.00	0.00	0.54	1.36
8780	4.43	1.52	2.66	0.96	0.00	0.00	5.27	14.84	5.54	1.55	3.50	1.26	0.00	0.00	7.18	19.03
8785	5.01	1.72	2.66	0.96	0.00	0.00	5.96	16.31	6.26	1.76	3.50	1.26	0.00	0.00	8.12	20.90
8790	0.68	0.21	0.00	0.08	0.00	0.00	0.55	1.52	0.85	0.22	0.00	0.08	0.00	0.00	0.78	1.93
8795	0.87	0.27	0.00	0.08	0.00	0.00	0.70	1.92	1.09	0.28	0.00	0.08	0.00	0.00	0.99	2.44
8800	0.92	0.29	0.00	0.08	0.00	0.00	0.74	2.03	1.15	0.29	0.00	0.08	0.00	0.00	1.05	2.57
8805	6.45	2.22	3.49	1.26	0.00	0.00	7.67	21.09	8.07	2.27	4.59	1.65	0.00	0.00	10.47	27.05
8810	7.35	2.53	3.49	1.26	0.00	0.00	8.74	23.37	9.19	2.58	4.59	1.65	0.00	0.00	11.92	29.93
8815	0.94	0.29	0.00	0.08	0.00	0.00	0.76	2.07	1.18	0.30	0.00	0.08	0.00	0.00	1.07	2.63
8820	1.21	0.38	0.00	0.08	0.00	0.00	0.98	2.65	1.51	0.39	0.00	0.08	0.00	0.00	1.38	3.36
8825	1.28	0.40	0.00	0.08	0.00	0.00	1.03	2.79	1.60	0.41	0.00	0.08	0.00	0.00	1.45	3.54
8830	8.87	3.05	4.65	1.67	0.00	0.00	10.55	28.79	11.09	3.11	6.12	2.20	0.00	0.00	14.38	36.90
8835	10.24	3.52	4.65	1.67	0.00	0.00	12.17	32.25	12.80	3.59	6.12	2.20	0.00	0.00	16.60	41.31
8840	1.25	0.39	0.00	0.08	0.00	0.00	1.01	2.73	1.56	0.40	0.00	0.08	0.00	0.00	1.42	3.46
8845	1.55	0.48	0.00	0.08	0.00	0.00	1.26	3.37	1.94	0.50	0.00	0.08	0.00	0.00	1.77	4.29
8850	1.39	0.43	0.00	0.08	0.00	0.00	1.12	3.02	1.73	0.44	0.00	0.08	0.00	0.00	1.58	3.83
8855	12.94	4.44	6.64	2.39	0.00	0.00	15.39	41.80	16.18	4.54	8.75	3.15	0.00	0.00	20.98	53.60
8860	14.99	5.15	6.64	2.39	0.00	0.00	17.82	46.99	18.73	5.26	8.75	3.15	0.00	0.00	24.30	60.19
8865	1.80	0.56	0.00	0.08	0.00	0.00	1.45	3.89	2.25	0.57	0.00	0.08	0.00	0.00	2.04	4.94
8870	1.97	0.61	0.00	0.08	0.00	0.00	1.59	4.25	2.46	0.63	0.00	0.08	0.00	0.00	2.24	5.41
8875	1.78	0.56	0.00	0.08	0.00	0.00	1.44	3.86	2.23	0.57	0.00	0.08	0.00	0.00	2.03	4.91
8880	1.61	0.50	0.00	0.10	0.00	0.00	1.30	3.51	2.01	0.51	0.00	0.10	0.00	0.00	1.83	4.45
8885	21.18	6.59	11.13	3.12	0.00	0.00	19.27	61.29	26.47	6.75	14.65	4.10	0.00	0.00	26.76	78.73
8890	2.74	0.85	0.00	0.12	0.00	0.00	2.22	5.93	3.43	0.87	0.00	0.12	0.00	0.00	3.12	7.54
8895	3.02	0.94	0.00	0.13	0.00	0.00	2.45	6.54	3.78	0.96	0.00	0.13	0.00	0.00	3.44	8.31
8900	2.83	0.88	0.00	0.13	0.00	0.00	2.29	6.13	3.54	0.90	0.00	0.13	0.00	0.00	3.22	7.79
8905	0.08	0.02	0.00	0.05	0.00	0.00	0.06	0.21	0.10	0.02	0.00	0.05	0.00	0.00	0.09	0.26
8910	2.08	0.65	0.00	0.15	0.00	0.00	1.68	4.56	2.60	0.66	0.00	0.15	0.00	0.00	2.37	5.78
8915	25.12	8.37	15.28	3.67	0.00	0.00	21.46	73.90	30.14	8.53	20.12	4.83	0.00	0.00	28.62	92.24
8920	3.61	1.12	0.00	0.18	0.00	0.00	2.92	7.83	4.51	1.15	0.00	0.18	0.00	0.00	4.11	9.95
8925	3.82	1.19	0.00	0.19	0.00	0.00	3.09	8.29	4.77	1.22	0.00	0.19	0.00	0.00	4.34	10.52
8930	3.18	0.99	0.00	0.16	0.00	0.00	2.57	6.90	3.98	1.01	0.00	0.16	0.00	0.00	3.62	8.77
8935	0.94	0.29	0.00	0.12	0.00	0.00	0.76	2.11	1.17	0.30	0.00	0.12	0.00	0.00	1.07	2.66
8940	0.10	0.03	0.00	0.08	0.00	0.00	0.08	0.29	0.13	0.03	0.00	0.08	0.00	0.00	0.12	0.36
8945	2.25	0.70	0.00	0.20	0.00	0.00	1.82	4.97	2.81	0.72	0.00	0.20	0.00	0.00	2.56	6.29
8950	42.20	14.07	23.25	5.58	0.00	0.00	36.05	121.15	50.64	14.32	30.62	7.35	0.00	0.00	48.07	151.00
8955	5.67	1.76	0.00	0.28	0.00	0.00	4.59	12.30	7.09	1.81	0.00	0.28	0.00	0.00	6.45	15.63
8960	6.23	1.94	0.00	0.29	0.00	0.00	5.04	13.50	7.79	1.99	0.00	0.29	0.00	0.00	7.08	17.15
8965	0.12	0.04	0.00	0.08	0.00	0.00	0.10	0.34	0.15	0.04	0.00	0.08	0.00	0.00	0.13	0.40
8970	4.06	1.26	0.00	0.20	0.00	0.00	3.28	8.80	5.08	1.29	0.00	0.20	0.00	0.00	4.62	11.19

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8980	3.47	1.19	2.09	0.75	0.00	0.00	4.13	11.63	4.34	1.22	2.76	0.99	0.00	0.00	5.63	14.94
8985	4.16	1.43	2.59	0.93	0.00	0.00	4.94	14.05	5.20	1.46	3.41	1.23	0.00	0.00	6.74	18.04
8990	4.47	1.53	2.92	1.05	0.00	0.00	5.31	15.28	5.59	1.57	3.85	1.39	0.00	0.00	7.25	19.65
8995	0.74	0.23	0.00	0.08	0.00	0.00	0.60	1.65	0.93	0.24	0.00	0.08	0.00	0.00	0.84	2.09
9000	0.74	0.23	0.00	0.05	0.00	0.00	0.60	1.62	0.92	0.24	0.00	0.05	0.00	0.00	0.84	2.05
9005	5.96	2.05	3.55	1.28	0.00	0.00	7.08	19.92	7.45	2.09	4.68	1.68	0.00	0.00	9.66	25.56
9010	6.24	2.14	4.05	1.46	0.00	0.00	7.42	21.31	7.80	2.19	5.34	1.92	0.00	0.00	10.12	27.37
9015	0.83	0.26	0.00	0.08	0.00	0.00	0.67	1.84	1.03	0.26	0.00	0.08	0.00	0.00	0.94	2.31
9020	1.01	0.31	0.00	0.05	0.00	0.00	0.82	2.19	1.26	0.32	0.00	0.05	0.00	0.00	1.15	2.78
9025	8.32	2.86	4.98	1.79	0.00	0.00	9.90	27.85	10.40	2.92	6.56	2.36	0.00	0.00	13.49	35.73
9030	1.26	0.39	0.00	0.08	0.00	0.00	1.02	2.75	1.58	0.40	0.00	0.08	0.00	0.00	1.44	3.50
9035	1.26	0.39	0.00	0.05	0.00	0.00	1.02	2.72	1.58	0.40	0.00	0.05	0.00	0.00	1.43	3.46
9040	12.49	4.29	7.41	2.67	0.00	0.00	14.84	41.70	15.61	4.38	9.75	3.51	0.00	0.00	20.24	53.49
9045	1.35	0.42	0.00	0.08	0.00	0.00	1.09	2.94	1.69	0.43	0.00	0.08	0.00	0.00	1.53	3.73
9050	1.42	0.44	0.00	0.08	0.00	0.00	1.14	3.08	1.77	0.45	0.00	0.08	0.00	0.00	1.61	3.91
9055	1.92	0.60	0.00	0.05	0.00	0.00	1.55	4.12	2.40	0.61	0.00	0.05	0.00	0.00	2.18	5.24
9060	20.13	6.26	9.96	2.79	0.00	0.00	18.32	57.46	25.17	6.42	13.12	3.67	0.00	0.00	25.44	73.82
9065	2.68	0.83	0.00	0.12	0.00	0.00	2.16	5.79	3.34	0.85	0.00	0.12	0.00	0.00	3.04	7.35
9070	2.71	0.84	0.00	0.10	0.00	0.00	2.19	5.84	3.39	0.86	0.00	0.10	0.00	0.00	3.08	7.43
9075	25.80	8.60	15.11	3.63	0.00	0.00	22.04	75.18	30.96	8.76	19.90	4.78	0.00	0.00	29.39	93.79
9080	4.06	1.26	0.00	0.22	0.00	0.00	3.28	8.82	5.07	1.29	0.00	0.22	0.00	0.00	4.61	11.19
9085	4.16	1.29	0.00	0.25	0.00	0.00	3.36	9.06	5.20	1.33	0.00	0.25	0.00	0.00	4.73	11.51
9090	2.59	0.80	0.00	0.12	0.00	0.00	2.09	5.60	3.23	0.82	0.00	0.12	0.00	0.00	2.94	7.11
9095	34.60	11.53	17.44	4.18	0.00	0.00	29.56	97.31	41.52	11.74	22.96	5.51	0.00	0.00	39.42	121.15
9100	4.67	1.45	0.00	0.26	0.00	0.00	3.78	10.16	5.84	1.49	0.00	0.26	0.00	0.00	5.31	12.90
9105	5.34	1.66	0.00	0.25	0.00	0.00	4.32	11.57	6.68	1.70	0.00	0.25	0.00	0.00	6.07	14.70
9110	2.98	0.93	0.00	0.12	0.00	0.00	2.41	6.44	3.72	0.95	0.00	0.12	0.00	0.00	3.39	8.18
9120	3.77	1.29	2.16	0.78	0.00	0.00	4.48	12.48	4.71	1.32	2.84	1.02	0.00	0.00	6.11	16.00
9125	4.81	1.65	2.59	0.93	0.00	0.00	5.72	15.70	6.02	1.69	3.41	1.23	0.00	0.00	7.80	20.15
9130	7.21	2.48	3.65	1.32	0.00	0.00	8.57	23.23	9.01	2.53	4.81	1.73	0.00	0.00	11.69	29.77
9135	8.87	3.05	4.65	1.67	0.00	0.00	10.55	28.79	11.09	3.11	6.12	2.20	0.00	0.00	14.38	36.90
9140	1.03	0.32	0.00	0.05	0.00	0.00	0.83	2.23	1.29	0.33	0.00	0.05	0.00	0.00	1.17	2.84
9145	1.16	0.36	0.00	0.05	0.00	0.00	0.94	2.51	1.45	0.37	0.00	0.05	0.00	0.00	1.32	3.19
9150	13.75	4.72	6.97	2.51	0.00	0.00	16.34	44.29	17.18	4.83	9.19	3.31	0.00	0.00	22.29	56.80
9155	1.82	0.57	0.00	0.05	0.00	0.00	1.47	3.91	2.27	0.58	0.00	0.05	0.00	0.00	2.07	4.97
9160	1.24	0.39	0.00	0.05	0.00	0.00	1.00	2.68	1.55	0.39	0.00	0.05	0.00	0.00	1.41	3.40
9165	18.98	5.91	10.63	2.98	0.00	0.00	17.27	55.77	23.73	6.05	14.00	3.92	0.00	0.00	23.99	71.69
9170	2.25	0.70	0.00	0.10	0.00	0.00	1.82	4.87	2.81	0.72	0.00	0.10	0.00	0.00	2.56	6.19
9175	1.87	0.58	0.00	0.12	0.00	0.00	1.51	4.08	2.33	0.59	0.00	0.12	0.00	0.00	2.12	5.16
9180	0.78	0.24	0.00	0.08	0.00	0.00	0.63	1.73	0.97	0.25	0.00	0.08	0.00	0.00	0.89	2.19
9185	0.45	0.14	0.00	0.13	0.00	0.00	0.37	1.09	0.57	0.14	0.00	0.13	0.00	0.00	0.52	1.36
9190	0.07	0.02	0.00	0.08	0.00	0.00	0.06	0.23	0.09	0.02	0.00	0.08	0.00	0.00	0.08	0.27
9200	2.68	0.92	1.39	0.50	0.00	0.00	3.19	8.68	3.35	0.94	1.84	0.66	0.00	0.00	4.35	11.14
9205	3.54	1.22	2.32	0.84	0.00	0.00	4.21	12.13	4.43	1.24	3.06	1.10	0.00	0.00	5.75	15.58
9210	4.19	1.44	2.59	0.93	0.00	0.00	4.98	14.13	5.23	1.47	3.41	1.23	0.00	0.00	6.79	18.13
9215	6.52	2.24	3.99	1.43	0.00	0.00	7.75	21.93	8.15	2.29	5.25	1.89	0.00	0.00	10.57	28.15
9220	6.80	2.34	3.99	1.43	0.00	0.00	8.09	22.65	8.51	2.39	5.25	1.89	0.00	0.00	11.03	29.07
9225	8.71	2.99	5.48	1.97	0.00	0.00	10.35	29.50	10.88	3.06	7.22	2.60	0.00	0.00	14.12	37.88
9230	9.71	3.33	5.48	1.97	0.00	0.00	11.54	32.03	12.13	3.41	7.22	2.60	0.00	0.00	15.74	41.10
9240	3.06	1.05	2.19	0.79	0.00	0.00	3.64	10.73	3.83	1.07	2.89	1.04	0.00	0.00	4.96	13.79
9245	0.53	0.16	0.00	0.15	0.00	0.00	0.43	1.27	0.66	0.17	0.00	0.15	0.00	0.00	0.60	1.58
9250	4.62	1.59	2.99	1.08	0.00	0.00	5.50	15.78	5.78	1.62	3.94	1.42	0.00	0.00	7.49	20.25
9255	0.58	0.18	0.00	0.15	0.00	0.00	0.47	1.38	0.72	0.18	0.00	0.15	0.00	0.00	0.66	1.71
9260	7.09	2.44	4.12	1.48	0.00	0.00	8.43	23.56	8.87	2.49	5.42	1.95	0.00	0.00	11.50	30.23
9265	0.64	0.20	0.00	0.15	0.00	0.00	0.51	1.50	0.80	0.20	0.00	0.15	0.00	0.00	0.72	1.87

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
9270	9.98	3.43	5.48	1.97	0.00	0.00	11.86	32.72	12.47	3.50	7.22	2.60	0.00	0.00	16.17	41.96
9275	0.83	0.26	0.00	0.15	0.00	0.00	0.67	1.91	1.04	0.27	0.00	0.15	0.00	0.00	0.95	2.41
9280	13.95	4.79	7.31	2.63	0.00	0.00	16.58	45.26	17.43	4.90	9.62	3.46	0.00	0.00	22.61	58.02
9285	1.30	0.41	0.00	0.18	0.00	0.00	1.05	2.94	1.63	0.42	0.00	0.18	0.00	0.00	1.48	3.71
9290	1.39	0.43	0.00	0.20	0.00	0.00	1.13	3.15	1.74	0.44	0.00	0.20	0.00	0.00	1.58	3.96
9295	21.02	6.54	10.63	2.98	0.00	0.00	19.12	60.29	26.27	6.70	14.00	3.92	0.00	0.00	26.56	77.45
9300	1.79	0.56	0.00	0.34	0.00	0.00	1.45	4.14	2.24	0.57	0.00	0.34	0.00	0.00	2.04	5.19
9305	1.89	0.59	0.00	0.34	0.00	0.00	1.53	4.35	2.36	0.60	0.00	0.34	0.00	0.00	2.15	5.45
9310	27.02	8.41	13.62	3.81	0.00	0.00	24.58	77.44	33.77	8.61	17.93	5.02	0.00	0.00	34.14	99.47
9315	2.44	0.76	0.00	0.40	0.00	0.00	1.97	5.57	3.05	0.78	0.00	0.40	0.00	0.00	2.77	7.00
9320	2.22	0.69	0.00	0.58	0.00	0.00	1.80	5.29	2.78	0.71	0.00	0.58	0.00	0.00	2.53	6.60
9325	38.83	12.94	20.59	4.94	0.00	0.00	33.17	110.47	46.59	13.18	27.12	6.51	0.00	0.00	44.23	137.63
9330	5.79	1.80	0.00	0.64	0.00	0.00	4.68	12.91	7.24	1.85	0.00	0.64	0.00	0.00	6.59	16.32
9335	5.44	1.69	0.00	0.61	0.00	0.00	4.40	12.14	6.80	1.73	0.00	0.61	0.00	0.00	6.19	15.33
9340	5.09	1.58	0.00	0.59	0.00	0.00	4.12	11.38	6.37	1.62	0.00	0.59	0.00	0.00	5.79	14.37
9350	12.16	4.18	6.81	2.45	0.00	0.00	14.46	40.06	15.20	4.27	8.97	3.23	0.00	0.00	19.71	51.38
9355	1.28	0.40	0.00	0.05	0.00	0.00	1.04	2.77	1.60	0.41	0.00	0.05	0.00	0.00	1.46	3.52
9360	1.43	0.45	0.00	0.05	0.00	0.00	1.16	3.09	1.79	0.46	0.00	0.05	0.00	0.00	1.63	3.93
9365	1.47	0.46	0.00	0.05	0.00	0.00	1.19	3.17	1.84	0.47	0.00	0.05	0.00	0.00	1.67	4.03
9370	15.21	4.73	8.63	2.42	0.00	0.00	13.84	44.83	19.02	4.85	11.37	3.18	0.00	0.00	19.22	57.64
9375	1.81	0.56	0.00	0.05	0.00	0.00	1.47	3.89	2.27	0.58	0.00	0.05	0.00	0.00	2.06	4.96
9380	2.38	0.74	0.00	0.05	0.00	0.00	1.92	5.09	2.97	0.76	0.00	0.05	0.00	0.00	2.70	6.48
9385	1.98	0.62	0.00	0.05	0.00	0.00	1.60	4.25	2.48	0.63	0.00	0.05	0.00	0.00	2.25	5.41
9390	20.43	6.36	11.62	3.25	0.00	0.00	18.59	60.25	25.54	6.51	15.31	4.29	0.00	0.00	25.82	77.47
9395	2.37	0.74	0.00	0.12	0.00	0.00	1.91	5.14	2.96	0.75	0.00	0.12	0.00	0.00	2.69	6.52
9400	2.60	0.81	0.00	0.13	0.00	0.00	2.10	5.64	3.24	0.83	0.00	0.13	0.00	0.00	2.95	7.15
9405	2.27	0.71	0.00	0.11	0.00	0.00	1.83	4.92	2.84	0.72	0.00	0.11	0.00	0.00	2.58	6.25
9410	0.10	0.03	0.00	0.05	0.00	0.00	0.08	0.26	0.12	0.03	0.00	0.05	0.00	0.00	0.11	0.31
9415	0.60	0.19	0.00	0.11	0.00	0.00	0.49	1.39	0.76	0.19	0.00	0.11	0.00	0.00	0.69	1.75
9430	13.72	4.06	6.46	1.81	2.46	0.37	7.89	36.77	17.15	4.17	8.50	2.38	5.16	0.77	10.69	48.82
9435	19.33	5.92	9.54	2.67	6.12	0.92	11.18	55.68	24.17	6.08	12.55	3.52	12.82	1.92	15.14	76.20
9440	28.25	8.75	13.85	3.88	7.32	1.10	16.37	79.52	35.32	8.98	18.22	5.10	15.34	2.30	22.17	107.43
9450	20.52	6.31	9.30	2.60	6.90	1.04	11.88	58.55	25.65	6.48	12.23	3.42	14.46	2.17	16.08	80.49
9455	34.55	10.69	17.61	4.93	8.92	1.34	20.02	98.06	43.19	10.98	23.17	6.49	18.68	2.80	27.10	132.41
9470	1.61	0.48	1.91	0.53	0.24	0.04	0.93	5.74	2.02	0.49	2.51	0.70	0.49	0.07	1.26	7.54
9475	1.30	0.39	1.54	0.43	0.30	0.04	0.75	4.75	1.63	0.40	2.02	0.57	0.62	0.09	1.02	6.35
9480	1.43	0.43	1.91	0.53	0.32	0.05	0.83	5.50	1.79	0.44	2.51	0.70	0.66	0.10	1.12	7.32
9485	1.78	0.53	2.55	0.72	0.29	0.04	1.03	6.94	2.23	0.54	3.36	0.94	0.61	0.09	1.39	9.16
9500	0.26	0.09	0.53	0.15	0.04	0.01	0.24	1.32	0.32	0.09	0.70	0.20	0.05	0.01	0.34	1.71
9505	1.10	0.35	1.07	0.30	0.05	0.01	1.02	3.90	1.37	0.36	1.39	0.39	0.07	0.01	1.42	5.01
9510	1.52	0.49	1.66	0.47	0.07	0.01	1.42	5.64	1.90	0.50	2.17	0.61	0.10	0.02	1.97	7.27
9515	2.75	0.89	1.97	0.55	0.21	0.03	2.57	8.97	3.44	0.91	2.59	0.73	0.30	0.05	3.57	11.59
9520	5.67	1.82	3.23	0.90	0.34	0.05	5.28	17.29	7.09	1.86	4.25	1.19	0.49	0.07	7.33	22.28
9530	1.87	0.59	0.74	0.21	0.07	0.01	1.74	5.23	2.34	0.61	0.97	0.27	0.10	0.02	2.42	6.73
9535	3.65	1.17	1.35	0.38	0.21	0.03	3.40	10.19	4.56	1.20	1.78	0.50	0.30	0.05	4.72	13.11
9540	4.04	1.29	1.69	0.47	0.21	0.03	3.76	11.49	5.05	1.32	2.23	0.62	0.30	0.05	5.23	14.80
9545	6.54	2.05	3.48	0.97	0.00	0.00	6.06	19.10	8.18	2.10	4.58	1.28	0.00	0.00	8.42	24.56
9550	12.86	4.02	5.39	1.51	0.00	0.00	11.91	35.69	16.07	4.12	7.09	1.98	0.00	0.00	16.55	45.81
9565	11.59	3.63	3.08	0.86	0.00	0.00	10.74	29.90	14.48	3.71	4.05	1.13	0.00	0.00	14.91	38.28
9570	16.82	5.26	4.92	1.38	0.00	0.00	15.59	43.97	21.02	5.39	6.48	1.81	0.00	0.00	21.65	56.35
9575	22.26	6.97	4.92	1.38	0.00	0.00	20.63	56.16	27.82	7.14	6.48	1.81	0.00	0.00	28.65	71.90
9585	8.35	2.61	2.06	0.58	0.00	0.00	7.74	21.34	10.44	2.68	2.71	0.76	0.00	0.00	10.75	27.34
9590	9.03	2.83	2.06	0.58	0.00	0.00	8.37	22.87	11.29	2.89	2.71	0.76	0.00	0.00	11.62	29.27
9595	9.35	2.92	2.06	0.58	0.00	0.00	8.66	23.57	11.68	3.00	2.71	0.76	0.00	0.00	12.03	30.18
9600	11.74	3.67	3.14	0.88	0.00	0.00	10.88	30.31	14.68	3.76	4.13	1.16	0.00	0.00	15.11	38.84

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
9605	21.95	6.87	5.39	1.51	0.00	0.00	20.34	56.06	27.44	7.04	7.09	1.98	0.00	0.00	28.25	71.80
9620	1.03	0.24	1.85	0.52	0.13	0.02	0.88	4.67	1.23	0.25	2.47	0.69	0.16	0.02	1.21	6.03
9625	1.29	0.30	1.85	0.52	0.15	0.02	1.10	5.23	1.55	0.31	2.47	0.69	0.20	0.03	1.51	6.76
9630	1.12	0.27	1.85	0.52	0.17	0.03	0.97	4.93	1.35	0.28	2.47	0.69	0.21	0.03	1.33	6.36
9635	1.33	0.32	1.85	0.52	0.20	0.03	1.15	5.40	1.60	0.33	2.47	0.69	0.26	0.04	1.57	6.96
9640	1.18	0.29	1.85	0.52	0.27	0.04	1.02	5.17	1.41	0.30	2.47	0.69	0.34	0.05	1.40	6.66
9645	1.52	0.49	4.85	1.46	0.45	0.07	1.13	9.97	2.02	0.50	6.24	1.87	0.57	0.09	1.76	13.05
9650	2.15	0.67	2.72	0.71	0.45	0.07	1.59	8.36	2.87	0.69	3.54	0.92	0.57	0.09	2.48	11.16
9655	1.78	0.56	5.58	1.67	0.45	0.07	1.32	11.43	2.37	0.58	7.17	2.15	0.57	0.09	2.05	14.98
9660	2.45	0.76	2.72	0.71	0.45	0.07	1.81	8.97	3.26	0.78	3.54	0.92	0.57	0.09	2.81	11.97
9665	1.95	0.62	5.58	1.67	0.52	0.08	1.45	11.87	2.60	0.64	7.17	2.15	0.66	0.10	2.26	15.58
9670	2.44	0.80	2.72	0.71	0.89	0.13	1.83	9.52	3.26	0.82	3.54	0.92	1.14	0.17	2.85	12.70
9675	3.28	0.94	10.44	3.34	0.91	0.14	2.26	21.31	4.38	0.97	13.45	4.30	1.17	0.18	3.51	27.96
9680	4.54	1.28	4.41	1.23	1.11	0.17	3.11	15.85	6.05	1.33	5.73	1.61	1.44	0.22	4.84	21.22
9685	4.75	1.34	4.41	1.23	1.15	0.17	3.26	16.31	6.33	1.39	5.73	1.61	1.48	0.22	5.07	21.83
9690	4.47	1.27	4.41	1.23	1.15	0.17	3.07	15.77	5.96	1.32	5.73	1.61	1.48	0.22	4.78	21.10
9695	5.27	1.48	4.41	1.23	1.15	0.17	3.61	17.32	7.02	1.54	5.73	1.61	1.48	0.22	5.62	23.22
9700	6.93	1.95	6.02	1.69	1.56	0.23	4.75	23.13	9.24	2.02	7.83	2.19	2.02	0.30	7.39	30.99
9705	7.35	2.07	6.02	1.69	1.67	0.25	5.04	24.09	9.79	2.15	7.83	2.19	2.15	0.32	7.84	32.27
9710	6.94	1.96	6.02	1.69	1.67	0.25	4.77	23.30	9.26	2.04	7.83	2.19	2.15	0.32	7.41	31.20
9715	6.90	1.93	7.21	2.02	1.39	0.21	4.72	24.38	9.20	2.00	9.37	2.62	1.80	0.27	7.35	32.61
9725	1.03	0.24	2.23	0.62	0.14	0.02	0.88	5.16	1.23	0.25	2.97	0.83	0.18	0.03	1.21	6.70
9730	1.34	0.32	2.23	0.62	0.14	0.02	1.15	5.82	1.60	0.32	2.97	0.83	0.18	0.03	1.57	7.50
9735	1.48	0.35	2.23	0.62	0.16	0.02	1.27	6.13	1.77	0.36	2.97	0.83	0.21	0.03	1.74	7.91
9740	1.23	0.29	2.23	0.62	0.14	0.02	1.06	5.59	1.48	0.30	2.97	0.83	0.18	0.03	1.45	7.24
9745	1.44	0.34	2.23	0.62	0.17	0.03	1.23	6.06	1.73	0.35	2.97	0.83	0.22	0.03	1.69	7.82
9750	1.35	0.33	2.16	0.60	0.28	0.04	1.17	5.93	1.62	0.34	2.88	0.81	0.35	0.05	1.60	7.65
9755	1.39	0.45	5.07	1.52	0.45	0.07	1.04	9.99	1.85	0.46	6.52	1.96	0.57	0.09	1.62	13.07
9760	1.52	0.49	5.07	1.52	0.45	0.07	1.13	10.25	2.02	0.50	6.52	1.96	0.57	0.09	1.76	13.42
9765	2.21	0.69	2.77	0.72	0.45	0.07	1.63	8.54	2.94	0.71	3.60	0.94	0.57	0.09	2.54	11.39
9770	1.60	0.52	5.64	1.69	0.52	0.08	1.20	11.25	2.13	0.53	7.25	2.17	0.66	0.10	1.86	14.70
9775	3.30	1.03	3.78	0.98	0.65	0.10	2.44	12.28	4.40	1.06	4.91	1.28	0.83	0.12	3.80	16.40
9780	3.07	0.90	9.69	3.10	1.14	0.17	2.12	20.19	4.09	0.93	12.48	3.99	1.47	0.22	3.30	26.48
9785	3.75	1.08	5.17	1.45	1.14	0.17	2.58	15.34	5.00	1.12	6.72	1.88	1.47	0.22	4.02	20.43
9790	4.40	1.23	5.92	1.66	0.90	0.13	3.01	17.25	5.86	1.28	7.70	2.16	1.15	0.17	4.69	23.01
9795	4.92	1.39	5.29	1.48	1.14	0.17	3.37	17.76	6.56	1.44	6.88	1.93	1.47	0.22	5.25	23.75
9800	4.53	1.41	3.86	1.00	0.89	0.13	3.35	15.17	6.04	1.46	5.02	1.31	1.12	0.17	5.22	20.34
9805	5.78	1.61	7.56	2.12	1.14	0.17	3.95	22.33	7.70	1.67	9.83	2.75	1.47	0.22	6.15	29.79
9810	5.88	1.67	7.74	2.17	1.48	0.22	4.04	23.20	7.83	1.73	10.06	2.82	1.88	0.28	6.28	30.88
9815	6.89	1.95	7.74	2.17	1.64	0.25	4.73	25.37	9.19	2.02	10.06	2.82	2.09	0.31	7.36	33.85
9825	1.65	0.51	2.60	0.68	0.33	0.05	1.22	7.04	2.20	0.53	3.39	0.88	0.41	0.06	1.90	9.37
9830	1.46	0.46	4.63	1.39	0.33	0.05	1.09	9.41	1.95	0.47	5.95	1.79	0.41	0.06	1.69	12.32
9835	2.15	0.66	2.77	0.72	0.33	0.05	1.58	8.26	2.86	0.68	3.60	0.94	0.41	0.06	2.46	11.01
9840	2.70	0.83	3.02	0.79	0.45	0.07	1.99	9.85	3.60	0.86	3.93	1.02	0.57	0.09	3.10	13.17
9845	4.55	1.29	5.29	1.48	1.14	0.17	3.12	17.04	6.06	1.34	6.88	1.93	1.47	0.22	4.86	22.76
9850	6.11	1.70	5.80	1.62	1.14	0.17	4.18	20.72	8.15	1.77	7.53	2.11	1.47	0.22	6.50	27.75
9855	6.43	1.79	7.56	2.12	1.14	0.17	4.40	23.61	8.58	1.85	9.83	2.75	1.47	0.22	6.84	31.54
9860	6.26	1.74	5.29	1.48	1.14	0.17	4.28	20.36	8.34	1.81	6.88	1.93	1.47	0.22	6.65	27.30
9865	6.55	1.82	5.80	1.62	1.14	0.17	4.48	21.58	8.74	1.89	7.53	2.11	1.47	0.22	6.97	28.93
9875	6.87	1.91	7.56	2.12	1.27	0.19	4.70	24.62	9.16	1.98	9.83	2.75	1.63	0.25	7.31	32.91
9880	6.93	1.93	7.56	2.12	1.27	0.19	4.74	24.74	9.24	2.00	9.83	2.75	1.63	0.25	7.37	33.07
9885	7.48	2.07	6.80	1.91	1.27	0.19	5.11	24.83	9.97	2.15	8.85	2.48	1.63	0.25	7.94	33.27
9895	7.60	2.12	6.17	1.73	1.60	0.24	5.20	24.66	10.13	2.20	8.03	2.25	2.10	0.31	8.09	33.11
9900	6.69	1.86	7.56	2.12	1.27	0.19	4.58	24.27	8.93	1.94	9.83	2.75	1.63	0.25	7.12	32.45
9905	6.44	1.80	7.56	2.12	1.27	0.19	4.41	23.79	8.59	1.87	9.83	2.75	1.63	0.25	6.86	31.78

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
9910	7.24	2.01	8.82	2.47	1.27	0.19	4.94	26.94	9.65	2.08	11.47	3.21	1.63	0.25	7.69	35.98
9925	2.68	0.69	0.00	0.10	0.00	0.00	1.93	5.40								
9930	3.22	0.83	0.00	0.10	0.00	0.00	2.32	6.47								
9935	5.00	1.28	0.00	0.10	0.00	0.00	3.59	9.97								
9940	6.17	1.58	0.00	0.10	0.00	0.00	4.44	12.29								
9945	6.84	1.75	0.00	0.10	0.00	0.00	4.91	13.60								
9955	0.65	0.17	0.00	0.09	0.00	0.00	0.46	1.37	0.86	0.17	0.00	0.09	0.00	0.00	0.71	1.83
9960	1.02	0.26	0.00	0.09	0.00	0.00	0.73	2.10	1.36	0.27	0.00	0.09	0.00	0.00	1.12	2.84
9965	1.03	0.26	0.00	0.09	0.00	0.00	0.74	2.12	1.38	0.27	0.00	0.09	0.00	0.00	1.13	2.87
9970	1.05	0.27	0.00	0.09	0.00	0.00	0.75	2.16	1.40	0.28	0.00	0.09	0.00	0.00	1.15	2.92
9980	0.21	0.05	0.00	0.00	0.00	0.00	0.15	0.41								
9985	0.22	0.06	0.00	0.00	0.00	0.00	0.15	0.43								
9990	0.24	0.06	0.00	0.00	0.00	0.00	0.17	0.47								
9995	0.28	0.07	0.00	0.00	0.00	0.00	0.20	0.55								
10000	0.31	0.08	0.00	0.00	0.00	0.00	0.22	0.61								
10005	0.29	0.07	0.00	0.00	0.00	0.00	0.21	0.57								
10015	0.25	0.06	0.00	0.09	0.00	0.00	0.18	0.58								
10020	0.29	0.07	0.00	0.09	0.00	0.00	0.21	0.66								
10025	0.79	0.20	0.00	0.09	0.00	0.00	0.57	1.65								
10030	0.89	0.23	0.00	0.09	0.00	0.00	0.64	1.85								
10040	2.78	0.71	0.00	0.13	0.00	0.00	2.00	5.62								
10045	2.83	0.72	0.00	0.13	0.00	0.00	2.03	5.71								
10050	2.85	0.73	0.00	0.13	0.00	0.00	2.05	5.76								
10055	2.90	0.74	0.00	0.13	0.00	0.00	2.08	5.85								
10065	1.24	0.32	0.00	0.00	0.00	0.00	0.89	2.45								
10070	1.31	0.34	0.00	0.00	0.00	0.00	0.94	2.59								
10075	1.39	0.36	0.00	0.00	0.00	0.00	1.00	2.75								
10090	2.12	0.66	0.00	0.09	0.56	0.08	1.24	4.75	2.65	0.68	0.00	0.09	0.68	0.10	1.81	6.01
10095	2.55	0.78	0.00	0.09	0.56	0.08	1.49	5.55	3.19	0.81	0.00	0.09	0.68	0.10	2.18	7.05
10100	2.58	0.79	0.00	0.09	0.56	0.08	1.51	5.61	3.22	0.81	0.00	0.09	0.68	0.10	2.20	7.10
10105	3.02	0.94	0.00	0.09	0.80	0.12	1.77	6.74	3.78	0.97	0.00	0.09	0.96	0.14	2.59	8.53
10110	3.66	1.11	0.00	0.09	0.68	0.10	2.14	7.78	4.58	1.14	0.00	0.09	0.82	0.12	3.12	9.87
10115	7.37	2.35	0.00	0.09	2.39	0.36	4.34	16.90	9.22	2.42	0.00	0.09	2.88	0.43	6.34	21.38
10120	8.17	2.62	0.00	0.09	2.81	0.42	4.82	18.93	10.21	2.69	0.00	0.09	3.39	0.51	7.02	23.91
10130	2.88	0.88	0.00	0.09	0.56	0.08	1.68	6.17	3.59	0.90	0.00	0.09	0.68	0.10	2.45	7.81
10140	1.30	0.57	0.00	0.09	0.51	0.08	0.80	3.35								
10145	1.45	0.63	0.00	0.09	0.55	0.08	0.89	3.69								
10150	1.59	0.69	0.00	0.09	0.56	0.08	0.98	3.99								
10155	1.79	0.80	0.00	0.13	0.76	0.11	1.11	4.70								
10160	1.86	0.83	0.00	0.13	0.82	0.12	1.16	4.92								
10165	2.18	0.96	0.00	0.13	0.84	0.13	1.35	5.59								
10170	2.26	1.04	0.00	0.13	1.15	0.17	1.42	6.17								
10175	2.84	1.26	0.00	0.13	1.15	0.17	1.76	7.31								
10180	2.94	1.30	0.00	0.13	1.15	0.17	1.82	7.51								
10185	3.44	1.48	0.00	0.17	1.12	0.17	2.11	8.49								
10190	3.64	1.60	0.00	0.17	1.37	0.21	2.25	9.24								
10195	4.07	1.79	0.00	0.17	1.53	0.23	2.51	10.30								
10200	4.57	2.07	0.00	0.17	2.18	0.33	2.86	12.18								
10205	1.07	0.49	0.00	0.09	0.56	0.08	0.67	2.96								
10215	1.00	0.47	0.00	0.09	0.56	0.08	0.63	2.83								
10225	1.28	0.57	0.00	0.11	0.56	0.08	0.80	3.40								
10230	1.29	0.58	0.00	0.11	0.56	0.08	0.80	3.42								
10240	0.65	0.31	0.00	0.10	0.38	0.06	0.41	1.91								
10245	0.73	0.35	0.00	0.10	0.47	0.07	0.47	2.19								
10250	0.80	0.38	0.00	0.10	0.51	0.08	0.51	2.38								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
10260	2.10	0.81	1.94	0.54	0.20	0.03	1.09	6.71								
10265	2.13	0.85	1.94	0.54	0.41	0.06	1.11	7.04								
10270	2.23	0.89	1.94	0.54	0.41	0.06	1.17	7.24								
10285	19.58	6.92	8.75	2.97	5.70	0.85	11.31	56.08	23.49	7.05	11.30	3.84	9.50	1.42	15.83	72.43
10290	27.18	9.73	12.64	4.30	9.81	1.47	15.73	80.86	32.61	9.91	16.32	5.55	16.35	2.45	22.03	105.22
10295	37.62	13.80	16.91	5.75	13.11	1.97	21.86	111.02	45.14	14.05	21.85	7.43	21.86	3.28	30.61	144.22
10300	17.13	6.10	8.75	2.97	5.70	0.85	9.91	51.41	20.55	6.21	11.30	3.84	9.50	1.42	13.87	66.69
10305	24.91	9.15	12.64	4.30	12.37	1.86	14.48	79.71	29.90	9.32	16.32	5.55	20.62	3.09	20.28	105.08
10310	32.16	12.20	16.91	5.75	15.51	2.33	18.80	103.66	38.59	12.43	21.85	7.43	25.85	3.88	26.32	136.35
10320	13.13	4.73	5.05	1.72	4.64	0.70	7.61	37.58	15.76	4.82	6.53	2.22	7.62	1.14	10.66	48.75
10325	16.97	6.01	5.05	1.72	4.64	0.70	9.81	44.90	20.36	6.12	6.53	2.22	7.62	1.14	13.73	57.72
10330	16.58	6.06	5.05	1.72	6.29	0.94	9.63	46.27	19.90	6.17	6.53	2.22	10.12	1.52	13.48	59.94
10335	19.12	6.91	7.48	2.54	6.29	0.94	11.08	54.36	22.94	7.03	9.67	3.29	10.12	1.52	15.51	70.08
10340	23.27	8.31	8.75	2.97	7.12	1.07	13.46	64.95	27.93	8.46	11.30	3.84	11.69	1.75	18.85	83.82
10345	27.16	9.87	8.75	2.97	9.66	1.45	15.76	75.62	32.59	10.05	11.30	3.84	15.53	2.33	22.07	97.71
10355	13.13	4.65	4.16	1.41	2.87	0.43	7.59	34.24	15.75	4.74	5.37	1.83	4.79	0.72	10.62	43.82
10360	21.06	7.41	8.75	2.97	5.70	0.85	12.16	58.90	25.27	7.55	11.30	3.84	9.50	1.42	17.02	75.90
10365	27.30	9.77	11.82	4.02	9.81	1.47	15.80	79.99	32.75	9.95	15.27	5.19	16.35	2.45	22.12	104.08
10370	35.79	13.06	12.56	4.27	11.76	1.76	20.79	99.99	42.95	13.30	16.22	5.52	19.60	2.94	29.10	129.63
10375	36.58	13.45	14.68	4.99	13.11	1.97	21.27	106.05	43.90	13.70	18.96	6.45	21.86	3.28	29.78	137.93
10385	11.76	4.14	4.18	1.42	3.13	0.47	6.79	31.89	14.11	4.21	5.40	1.84	5.22	0.78	9.50	41.06
10390	17.08	6.03	6.24	2.12	4.91	0.74	9.87	46.99	20.50	6.14	8.06	2.74	8.19	1.23	13.81	60.67
10395	20.48	7.47	9.58	3.26	9.34	1.40	11.89	63.42	24.58	7.60	12.38	4.21	15.57	2.33	16.65	83.32
10400	27.66	10.07	12.13	4.12	12.37	1.86	16.06	84.27	33.20	10.25	15.67	5.33	20.62	3.09	22.48	110.64
10405	40.75	14.84	16.33	5.55	13.11	1.97	23.65	116.20	48.90	15.11	21.09	7.17	21.86	3.28	33.12	150.53
10410	59.63	21.70	21.23	7.22	19.03	2.86	34.61	166.28	71.56	22.10	27.42	9.32	31.73	4.76	48.46	215.35
10420	20.90	7.36	8.16	2.78	5.70	0.85	12.07	57.82	25.08	7.50	10.55	3.59	9.50	1.42	16.89	74.53
10425	29.46	10.49	11.20	3.81	9.81	1.47	17.04	83.28	35.35	10.69	14.46	4.92	16.35	2.45	23.85	108.07
10430	31.28	11.28	12.48	4.24	12.37	1.86	18.13	91.64	37.54	11.48	16.12	5.48	20.62	3.09	25.38	119.71
10435	35.20	12.78	13.20	4.49	10.94	1.64	20.42	98.67	42.24	13.02	17.05	5.80	18.24	2.74	28.59	127.68
10440	39.13	14.30	15.90	5.41	13.11	1.97	22.73	112.55	46.96	14.56	20.54	6.98	21.86	3.28	31.82	146.00
10445	46.72	17.40	20.41	6.94	19.03	2.86	27.22	140.58	56.07	17.71	26.37	8.96	31.73	4.76	38.11	183.71
10460	8.68	3.40	4.62	1.48	1.75	0.26	5.36	25.55	10.42	3.46	6.07	1.94	2.35	0.35	6.97	31.56
10465	14.96	6.03	10.16	3.25	4.42	0.66	9.30	48.78	17.95	6.13	13.36	4.28	5.96	0.89	12.09	60.66
10470	20.73	8.41	13.85	4.43	6.58	0.99	12.91	67.90	24.88	8.54	18.22	5.83	8.86	1.33	16.78	84.44
10475	21.31	8.62	13.85	4.43	6.58	0.99	13.26	69.04	25.57	8.76	18.22	5.83	8.86	1.33	17.24	85.81
10480	25.65	10.39	16.93	5.42	8.09	1.21	15.97	83.66	30.78	10.57	22.27	7.13	10.89	1.63	20.76	104.03
10485	26.08	10.55	16.93	5.42	8.09	1.21	16.23	84.51	31.29	10.73	22.27	7.13	10.89	1.63	21.10	105.04
10495	14.99	6.04	10.16	3.25	4.42	0.66	9.32	48.84	17.98	6.14	13.36	4.28	5.96	0.89	12.11	60.72
10500	20.50	8.32	13.85	4.43	6.58	0.99	12.76	67.43	24.60	8.46	18.22	5.83	8.86	1.33	16.59	83.89
10505	20.80	8.43	13.85	4.43	6.58	0.99	12.95	68.03	24.96	8.57	18.22	5.83	8.86	1.33	16.83	84.60
10510	26.73	10.79	16.93	5.42	8.09	1.21	16.63	85.80	32.08	10.97	22.27	7.13	10.89	1.63	21.61	106.58
10515	27.17	10.95	16.93	5.42	8.09	1.21	16.89	86.66	32.60	11.13	22.27	7.13	10.89	1.63	21.96	107.61
10530	17.50	6.33	10.16	3.25	6.12	0.92	10.15	54.43	21.00	6.45	13.36	4.28	10.22	1.53	14.21	71.05
10535	25.53	9.38	13.85	4.43	9.86	1.48	14.84	79.37	30.64	9.56	18.22	5.83	15.96	2.39	20.78	103.38
10540	40.29	14.95	20.01	6.40	17.93	2.69	23.46	125.73	48.35	15.23	26.32	8.42	29.39	4.41	32.85	164.97
10550	16.46	5.99	8.53	2.73	5.99	0.90	9.55	50.15	19.75	6.10	11.22	3.59	9.91	1.49	13.37	65.43
10555	27.88	10.14	14.04	4.49	7.63	1.15	16.18	81.51	33.45	10.33	18.47	5.91	12.62	1.89	22.65	105.32
10570	18.24	6.58	10.16	3.25	6.12	0.92	10.57	55.84	21.89	6.70	13.36	4.28	10.22	1.53	14.80	72.78
10575	26.35	9.45	13.85	4.43	8.21	1.23	15.26	78.78	31.62	9.62	18.22	5.83	13.75	2.06	21.36	102.46
10590	0.60	0.13	0.82	0.23	0.04	0.01	0.68	2.51								
10595	0.61	0.13	0.82	0.23	0.04	0.01	0.69	2.53								
10600	0.49	0.11	0.00	0.00	0.04	0.01	0.56	1.21								
10605	0.57	0.12	0.00	0.00	0.04	0.01	0.65	1.39								
10615	4.59	0.92	4.13	1.16	0.04	0.01	5.20	16.05								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
10620	6.98	1.40	7.26	2.03	0.04	0.01	7.89	25.61								
10635	1.08	0.40	0.00	0.01	0.00	0.00	0.56	2.05								
10640	1.26	0.47	0.00	0.01	0.00	0.00	0.65	2.39								
10645	1.47	0.54	0.00	0.01	0.00	0.00	0.75	2.77								
10655	1.87	0.72	0.48	0.12	0.20	0.03	0.97	4.39								
10660	2.13	0.82	0.48	0.12	0.20	0.03	1.10	4.88								
10665	2.37	0.91	0.48	0.12	0.20	0.03	1.22	5.33								
10680	0.23	0.07	1.56	0.47	0.00	0.00	0.10	2.43								
10685	0.28	0.08	1.95	0.58	0.00	0.00	0.12	3.01								
10695	0.42	0.14	2.84	0.68	0.02	0.00	0.35	4.45								
10700	0.44	0.14	2.84	0.68	0.02	0.00	0.37	4.49								
10705	0.48	0.16	4.74	1.14	0.02	0.00	0.40	6.94								
10710	0.61	0.20	5.03	1.21	0.02	0.00	0.51	7.58								
10720	0.57	0.18	1.03	0.25	0.02	0.00	0.48	2.53								
10725	0.62	0.20	1.45	0.35	0.02	0.00	0.51	3.15								
10730	0.68	0.22	1.45	0.35	0.05	0.01	0.57	3.33								
10735	0.74	0.24	2.44	0.58	0.05	0.01	0.62	4.68								
10745	0.24	0.07	0.78	0.23	0.00	0.00	0.10	1.42								
10750	0.24	0.07	1.56	0.47	0.00	0.00	0.11	2.45								
10760	0.11	0.03	1.48	0.44	0.00	0.00	0.05	2.11								
10765	0.14	0.04	1.87	0.56	0.00	0.00	0.06	2.67								
10770	0.38	0.11	2.34	0.70	0.00	0.00	0.16	3.69								
10775	0.66	0.19	3.28	0.98	0.00	0.00	0.29	5.40								
10785	0.05	0.01	1.48	0.44	0.00	0.00	0.02	2.00								
10790	0.16	0.05	1.87	0.56	0.00	0.00	0.07	2.71								

APPENDIX A

REFERENCES

1. Haver, J. A. and F. W. Stubbs, Jr., Handbook of Heavy Construction, 2nd ed, McGraw-Hill Company, New York, 1971.

2. Nichols, H. L., Jr., Moving the Earth, 3rd ed, North Castle Books, Greenwich, Connecticut, 1976.

3. Application Manual for Hydraulic Excavators and Shovels, 1st ed, Koehring Company, Milwaukee, Wisconsin, 1981.

4. Bulletin B-502, Goodyear Tire and Rubber Company, Akron, Ohio, January 1986.

5. Caterpillar Performance Handbook, 17th ed, Caterpillar Tractor Company, Peoria, Illinois, 1986.

6. Earthmoving Principles, International Harvester, Pay Line Division, Schaumburg, Illinois, 1975.

7. Euclid Hauler Handbook, 14th ed, Euclid, Inc., Cleveland, Ohio, 1981.

8. "FAR 31.105 Construction and Architect-Engineer Contracts", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., April 1985.

9. "FAR 31.205-10 Cost of Money", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., April 1984.

10. "FAR 31.205-24 Maintenance and Repair Costs", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., April 1984.

11. Fundamentals of Earthmoving, Caterpillar Tractor Company, Peoria, Illinois, 1975.

12. Green Guide for Off-Highway Trucks and Trailers, Dataquest, Inc., Palo Alto, California, 1985, 1986.

13. Green Guide Volume I, Dataquest, Inc., Palo Alto, California, 1985, 1986.

14. Green Guide Volume II, Dataquest, Inc., Palo Alto, California, 1985, 1986.

APPENDIX A

REFERENCES (Cont'd)

15. Means 1987 Labor Rates for the Construction Industry, 11th ed, R. S. Means Company, Inc., Kingston, Massachusetts, 1986.

16. Operating Cost Guide, Power Crane and Shovel Association, Milwaukee, Wisconsin, 1976.

17. Owning and Operating Costs, Fiat-Allis Construction Machinery, Inc., Springfield, Illinois, 1983.

18. "Part 414 - Cost Accounting Standard - Cost of Money as an Element of the Cost of Facilities Capital", Defense Procurement Circular (DPC) #76-2, Government Printing Office, Washington, D.C., August 1976.

19. Producer Prices and Price Indexes, U. S. Department of Labor, Bureau of Labor Statistics, Government Printing Office, Washington, D.C., 1957 through 1986.

20. Production and Cost Estimating of Material Movement with Earthmoving Equipment, General Motors Corp., Terex Division, Hudson, Ohio, 1975.

APPENDIX B

AREA FACTORS

The area factors given in this Appendix were used to compute the hourly equipment rates shown in TABLE 3-1.

Sales or Import Tax Rate:				6.60 %
Working Hours Per Year:				1,650 Hrs/Yr
Labor Adjustment Factor (LAF):				0.780
Electricity Cost Per Kilowatt-Hour:				$ 0.130 /Kw-Hr
Gasoline Cost Per Gallon:				$ 0.900 /Gal.
Diesel Cost Per Gallon (Off-Road Use):				$ 0.810 /Gal.
Diesel Cost Per Gallon (On-Road Use):				$ 0.840 /Gal.
Freight Rates:		0 thru	24,000 lbs.	$10.600 /Cwt.
	over	24,000 thru	30,000 lbs.	$10.000 /Cwt.
	over	30,000 thru	40,000 lbs.	$ 9.100 /Cwt.
	over	40,000 thru	50,000 lbs.	$ 8.350 /Cwt.
	over	50,000 thru	70,000 lbs.	$ 8.000 /Cwt.
	over	70,000 thru	9999,900 lbs.	$ 7.900 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

EQUIPMENT TYPE	AVERAGE	SEVERE
Cranes, Crawler Truck	Lift less than rated capacity, intermittent duty.	Continuous lift near rated capacity, excessive swing, abrasive materials, sloped surfaces.
Depreciation Period	13,000 - 20,000 Hrs.	11,000 - 18,000 Hrs.
Shovels	Gravels, silts, well broken rock, lift less than rated capacity.	Extremely abrasive tough materials, lifting near rated capacity, impact breakout.
Depreciation Period	8,000 - 18,000 Hrs.	6,000 - 16,000 Hrs.
Draglines	Gravels, silts, pull and lift less than rated capacity.	Highly abrasive materials, impact breakout, continuous load near rated capacity.
Depreciation Period	12,000 - 20,000 Hrs.	10,000 - 18,000 Hrs.
Backhoes	Clay, earth digging, no breakout impact, easy continuous or intermittent duty.	Rock work,pull near rated capacity, uneven surface, impact breakout, abrasive materials.
Depreciation Period	8,000 - 14,000 Hrs.	6,000 - 12,000 Hrs.

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

EQUIPMENT TYPE	AVERAGE	SEVERE
Tractors, Crawler Type	Production dozing in clays, sands, gravels and talus rock. Push-loading scrapers, borrow pit ripping, most landclearing and skidding applications. Medium impact conditions.	Heavy rock ripping. Tandem ripping. Pushloading and dozing in hard rock. Continuous high impact conditions.
Depreciation Period	10,000 - 12,000 Hrs.	8,000 - 10,000 Hrs.
Tractors, Wheel-Type	Production dozing, pushloading in clays, sands, silts, loose gravels. Shovel cleanup.	Production dozing in rock. Push-loading in rocky, bouldery borrow pits. High impact conditions.
Depreciation Period	10,000 Hrs.	8,000 Hrs.
Scrapers, Self-Propelled	Varying loading and haul road conditions. Long and short hauls. Adverse and favorable grades. Some impact. Typical road-building use on a variety of jobs.	High impact condition, such as loading ripped rock. Continuous high total resistance conditions. Rough haul roads.
Depreciation Period	10,000 Hrs.	8,000 Hrs.
Trucks, Off Highway	Varying loading and haul road conditions. Typical road-building use on a variety of jobs.	Consistently poor haul road conditions. Oversized loading equipment.
Depreciation Period	12,000 Hrs.	10,000 Hrs.

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

EQUIPMENT TYPE	AVERAGE	SEVERE
Trucks, Highway	Varying loading and road conditions. Typical construction use on a variety of jobs.	Consistently poor road conditions. Oversized loading equipment.
Depreciation Period	6,000 - 8,000 Hrs.	5,000 - 6,000 Hrs.
Loaders, Front End Wheel Type	Continuous truck loading from stockpile. Low to medium density materials in properly sized bucket. Hopper charging in low to medium rolling resistance. Loading from bank in good digging.	Loading shot rock (large loaders). Handling high density materials with counterweighted machine. Steady loading from very tight banks. Continuous work on rough or very soft surfaces.
Depreciation Period	10,000 - 12,000 Hrs.	8,000 - 10,000 Hrs.
Loaders, Front End Crawler Type	Bank excavation, intermittent ripping, basement digging of natural bed clays, sands, silts, gravels. Some traveling. Steady full throttle operations.	Loading shot rock, cobbles. High density materials in standard bucket. Continuous work on rock surfaces. Large amount of ripping of tight, rocky materials. High impact conditions.
Depreciation Period	10,000 Hrs.	8,000 Hrs.

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

EQUIPMENT TYPE	AVERAGE	SEVERE
Motor Graders	Haul road maintenance. Road construction, ditching. Loose fill spreading. Land-forming, landleveling. Summer road maintenance with medium to heavy winter snow removal. Elevating grader use.	Maintenance of hard packed roads with embedded rock. Heavy fill spreading. Ripping-scarifying of asphalt or concrete. Continuous high load factor. High impact.
Depreciation Period	12,000 Hrs.	10,000 Hrs.

APPENDIX D

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

TABLE LEGEND
****

C - OPERATING CONDITIONS
A - AVERAGE CONDITIONS
S - SEVERE CONDITIONS
LFE - EQUIP LIFE (1000 HRS)
SLV - EQUIP SALVAGE (%)
HP - HORSEPOWER FACTOR (%)
FOG-E - ELECTRIC FOG (%)
FOG-G - GAS FOG (%)

TABLE LEGEND
****

FOG-D - DIESEL FOG (%)
E - ELECT. CONSUMPTION (KW/HP/HR)
G - GAS CONSUMPTION (GAL/HP/HR)
D - DIESEL CONSUMPTION (GAL/HP/HR)
F-TIRE - FRONT TIRE WEAR FACTOR(%)
D-TIRE - DRIVE TIRE WEAR FACTOR(%)
T-TIRE - TRAIL TIRE WEAR FACTOR(%)
RPR - REPAIR FACTOR (%)

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
15	AGGREGATE SPREADERS	A	10	20	50	.000	.051	.030	0	.000	.000	.000	0	24	24	97	69	99	70
30	AIR COMPRESSORS	A	10	25	65	.650	.066	.038	0	.000	.000	.000	45	32	28	0	0	90	70
45	AIR TOOLS, SANDBLASTERS, ETC	A	4	20	65	.650	.066	.038	0	.000	.000	.000	45	32	28	81	65	90	150
60	ASPHALT DISTRIBUTORS	A	10	20	65	.000	.066	.038	0	.000	.000	.000	0	32	28	71	57	79	85
65	ASPHALT AND CONCRETE PAVERS	A	10	20	65	.000	.066	.038	0	.000	.000	.000	0	32	28	83	66	92	90
70	ASPHALT KETTLES AND RECYCLERS	A	8	20	65	.000	.066	.038	0	.000	.000	.000	0	32	28	76	60	84	80
	BACKHOE (SEE KEY NO. 570-601)																		
75	BROOMS	A	10	20	65	.000	.066	.038	0	.000	.000	.000	0	24	28	81	65	90	80
80	BRUSH CHIPPERS	A	10	20	45	.000	.046	.027	0	.000	.000	.000	0	32	28	0	0	90	90
90	BUCKETS, CLAMSHELL & DRAGLINE	A	10	15	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	70
90		S	8	15	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
95	BUCKETS, CONCRETE	A	10	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	70
105	CONCRETE OR GROUT PUMP	A	8	15	95	.000	.097	.056	0	.000	.000	.000	45	32	28	81	65	90	90
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	A	8	20	65	.650	.066	.038	0	.000	.000	.000	45	32	28	0	0	90	80
125	CONCRETE FINISHERS, BLASTERS & BUGGIES	A	6	20	70	.700	.071	.041	0	.000	.000	.000	50	32	28	0	0	90	80
130	CONCRETE SAWS	A	8	20	90	.900	.091	.053	0	.000	.000	.000	45	32	38	0	0	90	90
135	CONCRETE VIBRATORS	A	4	20	65	.650	.066	.038	0	.000	.000	.000	45	32	38	0	0	0	250
140	COMPACTORS, MANUALLY OPERATED	A	6	20	90	.900	.091	.053	0	.000	.000	.000	45	24	24	0	0	85	120
	CRANE, CRAWLER TYPE																		
150	0 THRU 25 TON	A	13	15	40	.000	.041	.024	0	.000	.000	.000	0	32	32	0	0	0	55
150		S	11	15	52	.000	.053	.031	0	.000	.000	.000	0	32	32	0	0	0	60
165	OVER 25 TON THRU 50 TON	A	15	15	40	.000	.041	.024	0	.000	.000	.000	0	20	20	0	0	0	65
165		S	13	15	52	.000	.053	.031	0	.000	.000	.000	0	20	20	0	0	0	70
170	OVER 50 TON THRU 150 TON	A	18	20	40	.000	.041	.024	0	.000	.000	.000	0	22	22	0	0	0	75
170		S	16	20	52	.000	.053	.031	0	.000	.000	.000	0	22	22	0	0	0	80
180	OVER 150 TON	A	20	20	40	.000	.041	.024	0	.000	.000	.000	0	24	24	0	0	0	85
180		S	18	20	52	.000	.053	.031	0	.000	.000	.000	0	24	24	0	0	0	90
	DRAGLINE & CLAMSHELL, CRAWLER																		
185	0 THRU 1 CY	A	12	15	50	.000	.051	.030	0	.000	.000	.000	0	32	32	0	0	0	70
185		S	10	15	65	.000	.066	.038	0	.000	.000	.000	0	32	32	0	0	0	80
190	OVER 1 CY THRU 2-1/2 CY	A	15	15	50	.000	.051	.030	0	.000	.000	.000	0	20	20	0	0	0	80
190		S	13	15	65	.000	.066	.038	0	.000	.000	.000	0	20	20	0	0	0	90
195	OVER 2-1/2 CY THRU 5 CY	A	18	15	50	.000	.051	.030	0	.000	.000	.000	0	22	22	0	0	0	90

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
195		S	16	15	65	.000	.066	.038	0	.000	.000	.000	0	22	22	0	0	0	100
196	OVER 5 CY	A	20	20	50	.000	.051	.030	0	.000	.000	.000	0	24	24	0	0	0	100
196		S	18	20	65	.000	.066	.038	0	.000	.000	.000	0	24	24	0	0	0	110
200	CRANES, HYDRAULIC, SELF-PROPELLED	A	16	15	65	.000	.066	.038	0	.000	.000	.000	0	32	30	89	71	90	70
205	CRANES, TOWER	A	18	25	65	.650	.066	.038	10	.100	.010	.006	50	30	26	0	0	0	80
	CRANES & HYD. EXC. , TRK MTD																		
210	UNDER 26 T. (THRU 1 CY)	A	15	15	65	.000	.066	.038	10	.000	.010	.006	0	38	36	97	78	0	50
210		S	13	15	85	.000	.086	.050	13	.000	.013	.007	0	38	36	86	61	0	55
225	26 THRU 65 T (1 TH 2-1/2 CY)	A	18	15	65	.000	.066	.038	10	.000	.010	.006	0	30	26	97	78	0	60
225		S	16	15	85	.000	.086	.050	13	.000	.013	.007	0	30	26	86	61	0	65
230	66 THRU 125 T	A	20	15	65	.000	.066	.038	10	.000	.010	.006	0	30	26	97	78	0	70
230		S	18	15	85	.000	.086	.050	13	.000	.013	.007	0	30	26	86	61	0	75
240	OVER 125 T	A	22	15	65	.000	.066	.038	10	.000	.010	.006	0	30	26	97	78	0	80
240		S	20	15	85	.000	.086	.050	13	.000	.013	.007	0	30	26	86	61	0	85
255	DRILL, AUGER	A	10	20	50	.500	.051	.030	0	.000	.000	.000	45	32	28	67	57	0	90
270	DRILL, BLAST HOLE	A	10	20	80	.800	.081	.047	0	.000	.000	.000	45	32	28	62	44	0	90
300	DRILL, CORE	A	10	20	80	.800	.081	.047	0	.000	.000	.000	45	16	24	0	0	0	90
315	DRILL, ROTARY TO 11" DIA. HOLE	A	15	20	80	.000	.081	.047	10	.000	.010	.006	0	38	38	62	44	0	90
330	DRILL, ROTARY OVER 11" DIA.	A	20	20	80	.000	.081	.047	10	.000	.010	.006	0	32	32	62	44	0	90
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	A	20	20	70	.700	.000	.000	10	.900	.000	.000	50	0	0	0	0	0	45
375	FORK LIFTS	A	10	20	65	.650	.066	.038	0	.000	.000	.000	45	24	24	87	78	90	70
390	GRADERS	A	12	25	60	.000	.061	.035	0	.000	.000	.000	0	20	34	89	71	0	60
390		S	10	25	78	.000	.079	.046	0	.000	.000	.000	0	20	34	71	51	0	70
420	GENERATORS	A	8	15	65	.000	.066	.038	0	.000	.000	.000	0	24	24	0	0	90	60
420		S	7	15	85	.000	.086	.050	0	.000	.000	.000	0	24	24	0	0	90	70
435	HOIST	A	10	20	65	.000	.066	.038	0	.000	.000	.000	0	24	24	0	0	0	80
	HYD. EXCAVATOR (SEE KEY NO. 570-601)																		
438	LAWN MOWERS	A	4	15	80	.800	.081	.047	0	.000	.000	.000	45	24	24	81	65	90	60
440	LIGHT PLANTS	A	8	25	85	.000	.086	.050	0	.000	.000	.000	0	24	24	0	0	90	150
450	LOADER, BELT	A	10	20	65	.650	.066	.038	0	.000	.000	.000	45	28	28	26	0	99	90
450		S	8	20	85	.850	.086	.050	0	.000	.000	.000	45	28	28	16	0	96	100
460	LOADER, FRONT END &LOADER F/E	A	10	20	70	.000	.071	.041	0	.000	.000	.000	0	32	38	0	0	0	125
460	WITH BACKHOE, CRAWLER TYPE	S	8	20	91	.000	.092	.054	0	.000	.000	.000	0	32	38	0	0	0	130

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
	LOADER, WHEEL TYPE																		
465	0 THRU 225 HP	A	10	25	65	.000	.066	.038	0	.000	.000	.000	0	32	42	70	42	0	70
465		S	8	25	85	.000	.086	.050	0	.000	.000	.000	0	32	42	41	22	0	75
470	OVER 225 HP	A	12	15	65	.000	.066	.038	0	.000	.000	.000	0	32	30	70	42	0	70
470		S	10	15	85	.000	.086	.050	0	.000	.000	.000	0	32	30	41	22	0	75
475	LOADER, FRONT END WITH	A	10	25	65	.000	.066	.038	0	.000	.000	.000	0	32	32	72	50	0	80
475	BACKHOE,WHEEL TYPE	S	8	25	85	.000	.086	.050	0	.000	.000	.000	0	32	32	57	35	0	85
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	A	6	35	65	.000	.066	.038	0	.000	.000	.000	0	32	32	0	0	0	90
485	PIPELAYERS	A	12	25	35	.000	.000	.021	0	.000	.000	.000	0	0	40	0	0	0	75
485		S	10	25	45	.000	.000	.027	0	.000	.000	.000	0	0	40	0	0	0	85
	PUMP, GROUT (SEE KEY NO. 105)																		
495	PUMP, WATER, ENGINE DRIVE	A	10	25	90	.000	.091	.053	0	.000	.000	.000	0	32	38	0	0	0	80
500	PUMP, WATER, ELECTRIC DRIVE	A	10	25	90	.900	.000	.000	0	.000	.000	.000	45	0	0	0	0	0	40
510	RIPPERS	A	8	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
510		S	6	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	90
525	ROLLERS,EXCEPT VIB. ROLLERS	A	10	20	65	.000	.066	.038	65	.000	.066	.038	0	24	24	76	60	84	80
530	ROLLERS, VIBRATORY	A	8	20	90	.000	.091	.053	90	.000	.091	.053	0	32	32	76	60	84	100
535	ROOFING EQUIPMENT	A	6	15	60	.600	.061	.035	0	.000	.000	.000	45	24	24	0	0	90	80
540	SCRAPERS, STANDARD	A	10	15	60	.000	.000	.035	60	.000	.000	.035	0	0	32	59	33	65	60
540		S	8	15	78	.000	.000	.046	78	.000	.000	.046	0	0	32	39	19	43	65
542	SCRAPERS, TANDEM POWERED	A	10	15	62	.000	.000	.037	62	.000	.000	.037	0	0	26	59	33	65	65
542		S	8	15	81	.000	.000	.048	81	.000	.000	.048	0	0	26	39	19	43	70
	SCRAPERS, ELEVATING																		
545	0 THRU 200 HP	A	10	20	66	.000	.000	.039	66	.000	.000	.039	0	0	40	59	33	65	75
545		S	8	20	86	.000	.000	.051	86	.000	.000	.051	0	0	40	39	19	43	80
550	OVER 200 HP	A	10	15	66	.000	.000	.039	66	.000	.000	.039	0	0	32	59	33	65	65
550		S	8	15	86	.000	.000	.051	86	.000	.000	.051	0	0	32	39	19	43	70
555	SCRAPERS, TRACTOR DRAWN	A	12	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	65	0	72	70
555		S	10	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	50	0	55	75
560	SOIL STABILIZERS	A	10	20	66	.000	.000	.039	66	.000	.000	.039	0	0	28	59	33	65	75
560		S	8	20	86	.000	.000	.051	86	.000	.000	.051	0	0	28	39	19	43	85
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED																		
570	0 THRU 1 CY	A	8	25	60	.000	.061	.035	0	.000	.000	.000	0	38	38	0	0	0	70
570		S	6	25	78	.000	.079	.046	0	.000	.000	.000	0	38	38	0	0	0	80

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER HP	E	G	D	CARRIER POWER HP	E	G	D	FOG E	G	D	TIRES F	D	T	RPR
585	OVER 1 CY THRU 2-1/2 CY	A	10	20	60	.000	.061	.035	0	.000	.000	.000	0	20	20	0	0	0	80
585		S	8	20	78	.000	.079	.046	0	.000	.000	.000	0	20	20	0	0	0	90
595	OVER 2-1/2 CY THRU 5 CY	A	12	15	60	.000	.061	.035	0	.000	.000	.000	0	22	22	0	0	0	90
595		S	10	15	78	.000	.079	.046	0	.000	.000	.000	0	22	22	0	0	0	100
600	OVER 5 CY	A	14	15	60	.000	.061	.035	0	.000	.000	.000	0	24	24	0	0	0	110
600		S	12	15	78	.000	.079	.046	0	.000	.000	.000	0	24	24	0	0	0	120
601	OVER 2-1/2 CY ELECTRIC	A	18	20	50	.500	.000	.000	0	.000	.000	.000	25	0	0	0	0	0	70
601		S	16	20	65	.650	.000	.000	0	.000	.000	.000	25	0	0	0	0	0	80
	TRACTOR, CRAWLER TYPE																		
615	0 THRU 225 HP	A	10	25	70	.000	.000	.041	0	.000	.000	.000	0	0	36	0	0	0	110
615		S	8	25	91	.000	.000	.054	0	.000	.000	.000	0	0	36	0	0	0	120
620	226 HP THRU 425 HP (PER	A	10	20	70	.000	.000	.041	0	.000	.000	.000	0	0	28	0	0	0	90
620	UNIT FOR TANDEM TRACTORS)	S	8	20	91	.000	.000	.054	0	.000	.000	.000	0	0	28	0	0	0	100
625	OVER 425 HP	A	12	15	70	.000	.000	.041	0	.000	.000	.000	0	0	24	0	0	0	90
625		S	10	15	91	.000	.000	.054	0	.000	.000	.000	0	0	24	0	0	0	100
630	TRACTOR, BLADES, PUSH BLOCKS,	A	10	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
630	PUSH PLATES & CLEARING BLADES	S	8	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	90
645	TRACTOR, WHEEL TYPE	A	10	15	65	.000	.066	.038	0	.000	.000	.000	0	24	28	73	44	0	60
645		S	8	15	85	.000	.086	.050	0	.000	.000	.000	0	24	28	38	21	0	65
650	TRENCHER	A	10	20	65	.000	.066	.038	0	.000	.000	.000	0	28	28	91	68	0	90
650		S	8	20	85	.000	.086	.050	0	.000	.000	.000	0	28	28	77	48	0	100
655	TRAILERS, BOTTOM DUMP AND	A	10	15	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	65	60
655	END DUMP	S	8	15	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	54	70
660	TRAILERS, FLATBED, LO-BOY AND TILT	A	10	30	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	65	50
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING																		
670	DUMP BODIES	A	8	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	70
670		S	6	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
675	ALL OTHER ACCESSORIES	A	8	20	65	.650	.066	.000	0	.000	.000	.000	45	32	32	0	0	0	70
	TRUCK, HIGHWAY																		
690	0 THRU 10,000 GVW	A	6	25	15	.000	.015	.009	0	.000	.000	.000	0	28	24	41	29	0	70
690		S	5	25	20	.000	.020	.012	0	.000	.000	.000	0	28	24	36	22	0	80
695	OVER 10,000 THRU 30,000 GVW	A	8	25	35	.000	.035	.020	0	.000	.000	.000	0	30	26	49	39	0	60
695		S	6	25	46	.000	.045	.026	0	.000	.000	.000	0	30	26	42	30	0	70
705	OVER 30,000 GVW	A	8	20	50	.000	.052	.030	0	.000	.000	.000	0	32	28	51	38	57	60
705		S	6	20	65	.000	.067	.039	0	.000	.000	.000	0	32	28	43	29	48	70

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
720	TRUCK, OFF-HIGHWAY	A	12	15	40	.000	.000	.024	0	.000	.000	.000	0	0	34	59	36	65	60
720		S	10	15	52	.000	.000	.031	0	.000	.000	.000	0	0	34	39	21	43	70
765	WAGON, BOTTOM & REAR DUMP	A	12	15	65	.000	.066	.038	0	.000	.000	.000	0	24	32	59	39	65	60
765		S	10	15	85	.000	.086	.050	0	.000	.000	.000	0	24	32	39	22	43	70
780	WAGON, WATER	A	12	20	65	.000	.066	.038	0	.000	.000	.000	0	24	32	73	55	81	60
780		S	10	20	85	.000	.086	.050	0	.000	.000	.000	0	24	32	56	40	62	65
785	WATER BLASTER	A	6	20	95	.000	.097	.056	0	.000	.000	.000	0	24	28	0	0	90	110
795	WATER TANKS	A	12	20	65	.000	.066	.038	0	.000	.000	.000	0	24	28	77	73	90	50
810	WELDERS	A	8	30	80	.000	.081	.047	0	.000	.000	.000	0	24	24	0	0	90	70
811	WELDERS ELECTRIC POWER	A	8	25	60	.600	.000	.000	0	.000	.000	.000	30	0	0	0	0	90	40

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT 1967 = 1000

	YEAR PURCHASE NEW												
	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
	AGE IN YEARS												
CATEGORY	0	1	2	3	4	5	6	7	8	9	10	11	12
Air Equipment	1789	1736	1733	1683	1695	1668	1563	1630	1521	1354	1295	1186	1165
Asphalt & Concrete Paving Equipment	2768	2685	2687	2611	2583	2620	2461	2296	2111	1941	1815	1686	1610
Buckets	4881	4713	4640	4527	4471	4541	4313	3879	3280	2963	2738	2520	2175
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3632	3478	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843
Drills	2883	2797	2832	2803	2836	2810	2602	2265	1993	1858	1699	1638	1559
Generators	3623	3515	3510	3400	3314	3236	3160	2817	2390	2301	2128	2053	1839
Graders, Motor	3857	3742	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956
Loaders, Track	3877	3761	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916
Loaders, Wheel	4104	3981	3973	3944	3873	3788	3441	2938	2606	2375	2156	2002	1907
Pile Driving Equipment	3778	3665	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852
Rollers	4304	4155	4090	3926	3744	3431	3199	2913	2653	2396	2139	1983	1872
Scrapers and Soil Stabilizers	3857	3742	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956
Shovels, Backhoes & Hydraulic Excavators	3632	3478	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843
Tractors, Crawler & Attachments	3877	3761	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916
Tractors, Wheel	3938	3820	3818	3656	3557	3530	3256	2927	2578	2319	2125	1956	1813
Trenchers	4687	4542	4488	4431	4360	4097	3618	3153	2772	2580	2300	1894	1633
Trucks, Highway	3516	3291	3139	3055	2934	2824	2638	2324	2108	1934	1775	1646	1524
Trucks & Wagons - Off Highway	3950	3832	3822	3786	3744	3662	3363	2964	2588	2364	2196	2081	1965
All Other Equipment	3778	3665	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852
All Tires & Tubes	2420	2348	2374	2421	2453	2552	2506	2369	2055	1792	1699	1615	1485
MARINE EQUIPMENT	4003	3902	3749	3633	3497	3391	3239	2922	2587	2352	2156	2008	1870

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT 1967 = 1000

	YEAR PURCHASE NEW													
	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961
	AGE IN YEARS													
CATEGORY	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Air Equipment	1028	935	920	929	936	918	970	1000	992	954	872	853	843	846
Asphalt & Concrete Paving Equipment	1451	1304	1263	1235	1163	1091	1044	1000	963	931	905	872	858	844
Buckets	1838	1430	1370	1316	1188	1062	1025	1000	1000	1003	978	971	953	950
Cranes, Draglines, & Clamshells - Crawler & Truck Mounted	1522	1305	1260	1212	1147	1090	1049	1000	967	930	914	890	868	862
Drills	1373	1249	1184	1160	1115	1052	1037	1000	993	971	914	904	904	901
Generators	1456	1316	1293	1243	1188	1089	1029	1000	947	924	916	901	892	932
Graders, Motor	1604	1361	1244	1208	1152	1101	1053	1000	975	951	923	903	877	869
Loaders, Track	1573	1329	1219	1184	1135	1100	1079	1000	956	936	914	882	861	857
Loaders, Wheel	1584	1362	1317	1261	1197	1144	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pile Driving Equipment	1523	1307	1257	1218	1159	1104	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Rollers	1556	1328	1279	1230	1178	1082	1049	1000	962	936	908	903	900	885
Scrapers, and Soil Stabilizers	1604	1361	1244	1208	1152	1101	1053	1000	975	951	923	903	877	869
Shovels, Backhoes & Hydraulic Excavators	1522	1305	1260	1212	1117	1090	1049	1000	967	930	914	890	868	862
Tractors, Crawler & Attachments	1573	1329	1219	1184	1135	1100	1079	1000	956	936	914	882	861	857
Tractor, Wheel	1498	1288	1251	1211	1152	1109	1050	1000	962	927	902	875	858	858
Trenchers	1527	1384	1316	1284	1207	1113	1051	1000	990	961	950	919	915	902
Truck, Highway	1369	1230	1211	1185	1114	1062	1033	1000	980	975	965	967	975	981
Trucks & Wagons - Off Highway	1568	1315	1293	1245	1190	1135	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment	1523	1307	1257	1218	1159	1104	1057	1000	965	936	912	890	875	873
All Tires & Tubes	1334	1114	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Marine Equipment	1538	1320	1269	1230	1170	1115	1067	1000	974	945	921	899	883	881

APPENDIX F

TIRE LIFE AND TIRE WEAR FACTORS

F-1. The tire wear factors used in this pamphlet are listed in APPENDIX D. Using the methods and tables in "Production and Cost Estimating of Material Movement with Earthmoving Equipment" by Terex Division of General Motors, (dated September 1975), the "useful life" of a new tire is the product of factors from Group A through Group G multiplied by the appropriate maximum tire life from TABLE F-1. A sample computation of the tire wear factors for off-highway haul units is given below.

No.	Condition	Factor Average	Factor Severe
A	Maintenance	1.00	1.00
B	Speeds	0.80	0.85
C	Curves	1.00	0.90
D	Surface Condition	0.90	0.70
E	Loads	0.90	0.80
		0.648	0.428
F	Wheel Positions		
	Trailing (T-Tire)	1.00	1.00
	Front (F-Tire)	0.90	0.90
	Driver (D-Tire)		
	(Rear Dump)	0.70	0.70
	(Bottom Dump)	0.70	0.70
	(Self-Propelled Scrapers)	0.60	0.60
G	Grades		
	(Drive Tire Only)	0.85	0.75
FINAL TIRE WEAR FACTORS			
	Trailing (T-Tire)	0.65	0.43
	Front (F-Tire)	0.58	0.39
	Driver (D-Tire)		
	(Rear Dump)	0.39	0.22
	(Bottom Dump)	0.39	0.22
	(Self-Propelled Scrapers)	0.33	0.19

Figure F-1. Rear and Bottom Wagons (Off-Highway), Scrapers

TABLE F-1. Maximum Tire Life.

Bias Ply Tires:	
Off-highway E4, L4, & L5	7,000 Hours
All other bias ply tires	5,000 Hours
Radial Ply Tires:	
Off-highway RL4	8,300 Hours
All other radial ply tires	6,000 Hours

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT 1967 = 1000

	YEAR PURCHASE NEW			
	1960	1959	1958	1957
	AGE IN YEARS			
CATEGORY	27	28	29	30
Air Equipment	781	775	743	706
Asphalt & Concrete Paving Equipment	830	812	777	745
Buckets	950	960	1020	1014
Cranes, Draglines, & Clamshells - Crawler & Truck Mounted	859	841	817	795
Drills	852	851	798	737
Generators	1007	1007	987	936
Graders, Motor	872	866	829	802
Loaders, Track	810	817	786	748
Loaders, Wheel	N/A	N/A	N/A	N/A
Pile Driving Equipment	N/A	N/A	N/A	N/A
Rollers	874	819	749	706
Scrapers, and Soil Stabilizers	872	866	829	802
Shovels, Backhoes & Hydraulic Excavators	859	841	817	795
Tractors, Crawler & Attachments	840	817	786	748
Tractor, Wheel	852	812	825	792
Trenchers	888	859	833	825
Truck, Highway	981	1006	986	945
Trucks & Wagons - Off Highway	N/A	N/A	N/A	N/A
All Other Equipment	859	841	812	782
All Tires & Tubes	N/A	N/A	N/A	N/A
Marine Equipment	867	849	820	790

APPENDIX G

EQUIPMENT EXTRAS

In addition to features required for safety, the following extras have been included with the major equipment listed in this pamphlet when they are not included with the basic cost and are offered by the manufacturer:

(1) Crane, Crawler-Mounted.

(a) Power load lowering.
(b) Independent swing and travel.
(c) Third drum.
(d) Torque converter (Machines 25 ton or larger.)
(e) One-half maximum boom length (Machines 60 ton or smaller.)
(f) Maximum boom length (Machines larger than 60 ton.)
(g) Counterweight.

(2) Dragline and Clamshell, Crawler-Mounted.

(a) Power load lowering.
(b) Independent swing and travel.
(c) Third drum.
(d) Torque converter (Machines 1-1/2 C.Y. or larger.)
(e) Approximately one-half maximum boom length.
(f) Counterweight.

(3) Backhoe and Shovel, Crawler-Mounted.

(a) Power load lowering.
(b) Torque converter (Machines 1-1/2 C.Y. or larger.)
(c) Counterweight.

(4) Truck Crane Less than 25 Ton.

(a) Power load lowering.
(b) Third drum.
(c) Mechanical outriggers w/screw jacks.
(d) Power steering.
(e) Maximum boom length.
(f) Counterweight.

(5) Truck Crane 25 Ton and Larger.

(a) Power load lowering.
(b) Third drum.
(c) Hydraulic outriggers w/screw jacks.
(d) Torque converter when available (upper only).
(e) Power steering.
(f) Diesel engines.
(g) Maximum boom length.
(h) Counterweight.

(6) Excavators, Hydraulic.

(a) Backhoe bucket (standard).
(b) Backhoe stick (medium length).
(c) Backhoe boom (one piece).
(d) Backhoe bucket linkage (includes cylinder).
(e) Guards.
(f) Counterweight.
(g) Alternator (heavy-duty) and lights.
(h) Tool kit.

(7) Grader.

(a) Enclosed operators' cab.
(b) Scarifier.
(c) Front wheel lean.
(d) Power circle.
(e) Hydraulic shift and tilt moldboard.
(f) End bits.
(g) Alternator (heavy-duty) and lights.
(h) Tool kit.

(8) Belt Loader.

(a) Power unit.
(b) Head pulley clutch and backstop.
(c) Belt cleaner and belt installing equip.
(d) King pin attachment.

(9) Loader 1-1/2 C.Y. and Larger.

(a) Reversible fan blade.
(b) Guard, power train.
(c) Automatic bucket positioner.
(d) Counterweight.
(e) Rock buckets (Machines 4 C.Y. or larger.)
(f) Alternator (heavy-duty) and lights.
(g) Tool kit.

(10) Scraper.

(a) Control single lever.
(b) Reversible fan blade.
(c) Flood light.
(d) Alternator (heavy-duty) and lights.
(e) Guards, power train.
(f) Tool kit.

(11) Tractor, Crawler.

(a) Hydraulic controls for ripper and blade.
(b) Guards.
(c) Reversible fan blade.
(d) Alternator (heavy-duty) and lights.
(e) Hook, front pull.
(f) Track Grousers (Severe service for units over 200 hp.)
(g) Blades include counterweights where required.
(h) Tool kit.

(12) Tractor, Wheel Dozer.

(a) Hydraulic controls for ripper and blade.
(b) Guards.
(c) Reversible fan blade.
(d) Alternator (heavy-duty) and lights.
(e) Blade.
(f) Counterweight.
(g) Tool kit.

(13) Trucks, Off-Highway.

(a) No-spin differential.
(b) Tacograph.
(c) Engine and transmission guards.
(d) Body liners.
(e) Tool kit.

APPENDIX H

MARINE EQUIPMENT

1. General. Hourly use rates for ownership and operating costs have not been developed for marine equipment since this type of equipment is normally custom designed and built. This appendix, however, presents the methodology for determining the ownership expense expressed as a percent of equipment value, which is defined as the actual acquisition cost plus any capital improvements. The annual ownership percentages and operating cost factors are shown in TABLE H-1 for various types of equipment. When a type of equipment is not listed, the ownership expense percent may be determined by using the percentage listed for a similar type with the same expected life. Equipment permanently attached to floating plant shall be considered marine equipment.

2. Ownership Cost. Ownership cost is based on the equipment value and equals the cost of depreciation plus facilities capital. When cost or pricing data is available, the actual acquisition price shall be used. Otherwise, the value of a similar piece of equipment may be used and, if necessary, adjusted so that capacity, size, and horsepower are properly considered.

a. Depreciation. Depreciation was computed using the straight-line method. The annual rate is determined by dividing the depreciable value by the expected normal life of the equipment in years. When the actual age of a piece of equipment exceeds the normal life, one year shall be added to the actual age for each year past the normal life and the depreciation shall be recomputed. The depreciable value is the acquisition cost, plus any capital improvements, less estimated salvage. Costs for drydocking, which occur periodically, are considered a part of operating costs and will be allocated on an equal annual basis over the years between such occurrences, in accordance with paragraph 31.205-24 of FAR.

b. Cost of Facilities Capital (CFC). The cost of facilities capital (CFC) is computed as shown in paragraph 2-2.c.(2), except that CFC is determined on an annual basis instead of an hourly basis and is expressed here as an annual percentage factor.

$$CFC = \frac{[(N-1)\ (1+S) + 2]\ (6.10\%)}{2N}$$

where: N = Number of years in depreciation period
S = Salvage Value Factor
6.10% = Discounted cost of money in effect at the time the work was performed or current rate.

c. The salvage value factor is expressed as a decimal and is shown in TABLE H-1 for different items of equipment.

d. Taxes, storage (layup), and insurance are considered indirect (overhead) costs (see paragraph 2-2.c.(3)). These are not included in ownership rates since they vary by geographic areas and with individual contractors. These costs should not be duplicated in the estimate or submitted proposal.

e. The expected life shown in TABLE H-1 for shore pipeline and floating pipeline is based on average dredging conditions. When more severe conditions are encountered, such as the dredging of very abrasive sand or rock, the expected life should be decreased. Similarly when better than average conditions are encountered, such as dredging mud or silt, the expected life should be increased. In either case, the adjustment should be made only for the time required to dredge the exceptional material. When the dredged material is a combination of various types, a weighted average should be estimated and the expected life adjusted accordingly. The repair of pipelines during the economic life is considered a part of operating costs.

3. Annual Use. Marine equipment is normally operated on multi-shift basis and depending on the job, up to 7 days per week, with costs normally kept on a monthly basis. This is the preferred practice. However, if an hourly or daily basis is used, the monthly cost should be divided by the actual number of hours or days the contractor is working. If the actual time cannot be determined, the monthly cost should be divided by 500 hours (20 hours per day and 25 days per month). In determining the ownership expense for marine equipment as described in the schedule, the average use per year for Region XI shall be 8 months.

4. Operating Cost Factors. Marine equipment operating expense factors are shown in TABLE H-1. The use of these factors together with ownership expense allowances will provide the user with information to help generate a rate for a piece of marine equipment. The hourly operating expense factors provided herein are estimated; it is intended that these factors be used only if the estimator does not have factual data available.

a. Fuel consumption factors are prepared on the same basis as paragraph 2-2.d.(2). Prime power refers to the primary operating engine for the dredge, tug, or other piece of marine equipment. Secondary power refers to all other secondary engines or power plants. However, if more than one of these engines is present, the horsepower should be totaled. Fuel factors are given for each piece of equipment; however, engines may not be present on many barges and scows.

b. Water, lube, and supplies (WLS) is similar to the FOG factor described in paragraph 2-2.d.(3). This item is computed as either a percentage of the hourly fuel costs or, if the marine equipment has no engine, a reasonable hourly cost should be included. This factor includes an allowance for the oiler normally assigned to the dredge or other piece of marine equipment.

c. Repairs (RPR) includes an allowance for all major and minor repairs and is similar to the maintenance and repair cost factor described in paragraph 2-2.d.(4). Also required to develop this cost are the Economic Adjustment Factor (EAF) and the Labor Adjustment Factor (LAF). It should also be noted that the repair allowance does not include the following items:

(1) Dredge wear for such items as cutter teeth and main suction pumps are not included due to the wide variety of materials being dredged.

(2) Drydocking costs are not included because they vary greatly depending on the facilities available.

d. In addition to the dredge wear and drydocking items which are not included in the operating factors, there is also no allowance for mobilization, demobilization, or yard costs. These items must all be considered separately by the estimator.

5. Standby. The standby rate is computed by allowing the full CFC monthly rate plus one-fourth of the monthly depreciation. In addition to the standby ownership rate, it may be necessary on dredges to include a small amount for operating costs to account for the operation of a diesel engine generator for power to operate pumps, navigation lights, etc. Standby will not be allowed during periods when the equipment would have otherwise been in idle status.

6. Example. The following example shown in Figure H-1 will provide guidance to illustrate the use of TABLE H-1 and the regional data to generate a rate. Ownership is determined using the annual percentages to account for CFC and depreciation. Operating costs are determined by utilizing formulas from Chapter 2 for FUEL, WLS (FOG) and REPAIRS. Assume a 24" hydraulic dredge was purchased new in 1985 for $3,700,000 including tax and delivery.

APPENDIX H

TABLE H-1. ANNUAL OWNERSHIP EXPENSE FACTORS AND HOURLY OPERATING FACTORS FOR MARINE EQUIPMENT.

TYPE OF EQUIPMENT	LIFE (YRS)	SALVAGE VALUE FACTOR	PERCENT ANNUAL OWNERSHIP EXPENSE: DEPRE-CIATION	CFC	ANNUAL EXPENSE	HOURLY OPERATING EXPENSE FACTORS: PRIME POWER HP	G	D	SECONDARY POWER HP	G	D	WLS G	D	RPR
Hydraulic Dredge, including hydraulic dredges used as Booster Pump (on land):														
10-inch thru 14-inch	20	0.05	4.75	3.35	8.10	80	0.000	0.047	70	0.000	0.041	0	33	80
16-inch thru 22-inch	25	0.10	3.60	3.46	7.06	80	0.000	0.047	70	0.000	0.041	0	33	90
24-inch and over	30	0.10	3.00	3.45	6.45	80	0.000	0.047	70	0.000	0.041	0	33	100
Booster Pump & Barge/ Dredge, Pipeline:														
10-inch thru 14-inch	20	0.05	4.75	3.35	8.10	80	0.000	0.047	70	0.000	0.041	0	33	90
16-inch thru 22-inch	25	0.10	3.60	3.46	7.06	80	0.000	0.047	70	0.000	0.041	0	33	110
24-inch and over	30	0.10	3.00	3.45	6.45	80	0.000	0.047	70	0.000	0.041	0	33	120
Dredge, Clamshell/ Dragline	20	0.05	4.75	3.35	8.10	65	0.000	0.038	65	0.000	0.038	0	33	120
Dredge. Dipper/Hyd Excav	25	0.05	3.80	3.32	7.12	75	0.000	0.044	75	0.000	0.044	0	33	130
Bucket Dredge	30	0.10	3.00	3.45	6.45	80	0.000	0.047	70	0.000	0.041	0	33	110
Dump Scow	20	0.05	4.75	3.35	8.10	80	0.000	0.047	70	0.000	0.041	0	33	80
Barges:														
Fuel	20	0.05	4.75	3.35	8.10	20	0.000	0.012	20	0.000	0.012	0	33	60
Water	20	0.05	4.75	3.35	8.10	20	0.000	0.012	20	0.000	0.012	0	33	60
Equipment Or Work	20	0.05	4.75	3.35	8.10	20	0.000	0.012	20	0.000	0.012	0	33	60
Derrick	20	0.10	4.50	3.49	7.99	20	0.000	0.012	20	0.000	0.012	0	33	70
Anchor	20	0.05	4.75	3.35	8.10	20	0.000	0.012	20	0.000	0.012	0	33	60
Drill Boat Or Barge	20	0.10	4.50	3.49	7.99	20	0.000	0.012	20	0.000	0.012	0	33	70
Mooring Barge	20	0.05	4.75	3.35	8.10	20	0.000	0.012	20	0.000	0.012	0	33	60
Tugs & Tenders	20	0.10	4.50	3.49	7.99	80	0.081	0.047	70	0.071	0.041	30	36	90
Launches & Skiffs	12	0.05	7.92	3.44	11.36	60	0.061	0.035	50	0.051	0.030	30	36	80
Crewboat & Workboat	10	0.05	9.50	3.49	12.99	60	0.061	0.035	50	0.051	0.030	30	36	80
Shore Pipeline (Average)	3	0.00	33.33	4.07	37.40	0	0.000	0.000	0	0.000	0.000	0	0	50
Floating Line:														
Pontoons	15	0.00	6.67	3.25	9.92	0	0.000	0.000	0	0.000	0.000	0	0	60
Pipeline/Joints (Avg)	10	0.00	10.00	3.36	13.36	0	0.000	0.000	0	0.000	0.000	0	0	60

MARINE EQUIPMENT EXAMPLE

1. PERTINENT DATA

a. Equipment Description.....>	24" Hydraulic Cutter Suction Dredge
b. Model & Series.....>	Ellicott Series 4900 Super Dragon
c. Present Year.....>	1987
(1) Economic Index.(APP.E).....>	4003
d. Year Manufactured.....>	1985
(1) Economic Index.(APP.E).....>	3749
e. Equipment Cost	
(1) Acquisition Price.....>	$3,700,000
(2) Capital Improvements.....>	$0
f. Prime Engine Horsepower.....>	3,730 h.p.
g. Secondary Engine(s) Horsepower.	
(1) Electrical Generators -	200 h.p.
(2) Hydraulic System -	1325 h.p.
(3) Cutter Head Drive -	750 h.p.
(4) Hydraulic Water Jet -	200 h.p.
Total Secondary H.P.	2,475 h.p.
h. Fuel Type.....>	Diesel
(1) Cost/Gal.(APP.B).....>	$0.81 /gal

2. TABLE H-1 DATA:

a. Life (yrs).....>	30 yrs
(1) Annual Use-Months..(para 3)...>	8 mos
(2) Monthly Usage (estimated hrs).>	500 hrs
b. Salvage Value Factor.....>	0.10
c. Prime Engine Fuel Factor.....>	0.047
d. Secondary Engine Fuel Factor.....>	0.041
e. WLS Factor.(Water,Lube & Supplies).>	0.33

Figure H-1

2. TABLE H-1 DATA: (Cont'd)

f. LAF (Labor Adjustment Factor APP B)> 0.78

g. Repair Cost Factor.....> 1.20

h. Annual Ownership Expense Percent:

(1) Depreciation Percent.....> 3.00%

(2) CFC Percent.....> 3.45%

Total Hourly Ownership Percent..(3.00% + 3.45%) = 6.45%

3. OWNERSHIP COSTS

a. Equipment Cost = (Acquisition Price + Capital Improvements)

($3700000 + $0) = $3,700,000

b. Annual Ownership Cost = (Equipment Cost x Annual Ownership Percent)

(1) Annual Ownership Expense:
($3700000 x 6.45%) = $238,650

(2) Monthly Ownership Expense:
($238650 / 8 mo.) = $29,831

(3) Hourly Ownership Expense:
($29831 / 500 hrs.) = $59.66

c. Standby Allowance: *
= [((.25 x Depr. %) + CFC) x Equipment Cost]+Generator Allowance

* NOTE: (If Applicable) -Generator Allowance (see Appendix H para 5)
= ((Generator H.P. / Total Secondary H.P.) x Secondary Fuel Cost)

(1) Annual Standby Expense:
[((.25 x 3.00%) + 3.45%) x $3700000] = $155,400

(2) Monthly Standby Expense: ($155400/8mo.) = $19,425

(3) Hourly Standby Expense: ($19425/500hrs) = $38.85

* (If Applicable) Generator Allowance:
((200 h.p. / 2475 h.p.) x $82.19) = + $6.64

Total Hourly Standby Allowance = $45.49

Figure H-1 (Continued)

4. ESTIMATED HOURLY OPERATING COST:

a. Fuel Cost = (Engine Fuel Factor x H.P. x Fuel Cost/Gal)

(1) Prime Engine Fuel:
(0.047 x 3730 h.p. x $0.81/gal) = $142.00 /hr

(2) Secondary Engine Fuel:
(0.041 x 2475 h.p. x $0.81/gal) = $82.19 /hr

b. WLS Cost = (WLS factor x Hourly Fuel Cost)

(1) Prime Engine WLS: (0.33 x $142.00/hr) = $46.86 /hr

(2) Second Engine WLS: (0.33 x $82.19/hr) = $27.12 /hr

c. Repair Cost = (Equip. Cost x Repair Cost Factor x EAF x LAF)/Life (hrs)

(1) EAF = (Econ Index Present Yr / Econ Index Yr of Mfg).

(4003 Pres. Yr / 3749 Yr of Mfg) = 1.068

(2) Life (hrs) = (30yrs x 8mo x 500hrs) = 120,000 hrs

(3) Repair Cost:
($3700000 x 1.20 x 1.068 x 0.78)/120000 hrs $30.82 /hr

d. Subtotal Operating Cost = (Fuel + WLS + Repairs)
($142.00 + $82.19 + $46.86 + $27.12 + $30.82) = $328.99 /hr

5. Subtotal Hourly Ownership & Operating Cost.
($59.66 /hr + $328.99 /hr) = $388.65 /hr

6. Subtotal Monthly Rate = (Hourly Total x Use Hours/Month)
($388.65 /hr x 500 hrs) = $194,325 /mo

7. Additive Item(s) (monthly cost to be estimated)

(1)	Dredge Wear (Mud, Sand or Gravel).....>	$24,000 /mo
(2)	Dry Docking.....>	$15,000 /mo
(3)	Yard cost.....>	$12,000 /mo
(4)	>	/mo
(5)	>	/mo
	Subtotal Estimated Additive Items	$51,000 /mo

8. Total Monthly Rate..... $245,325 /mo

Figure H-1 (Continued)

APPENDIX I

FEDERAL COST OF MONEY RATE

(Renegotiation or Prompt Payment Rate)

July - December 1976	8 1/2 %
January - June 1977	7 3/4 %
July - December 1977	7 7/8 %
January - June 1978	8 1/4 %
July - December 1978	9 %
January - June 1979	9 7/8 %
July - December 1979	10 1/4 %
January - June 1980	12 1/4 %
July - December 1980	10 1/2 %
January - June 1981	14 5/8 %
July - December 1981	14 7/8 %
January - June 1982	14 3/4 %
July - December 1982	15 1/2 %
January - June 1983	11 1/4 %
July - December 1983	11 1/2 %
January - June 1984	12 3/8 %
July - December 1984	14 3/8 %
January - June 1985	12 1/8 %
July - December 1985	10 3/8 %
January - June 1986	9 3/4 %
July - December 1986	8 1/2 %
January - June 1987	7 5/8 %

APPENDIX J

TIRE DESCRIPTION AND TIRE COST

J-1. The current tire descriptions and tire cost used to develop the rates in TABLE 3-1 are tabulated on the following pages. These tire prices include allowances for contractor's discount, sales tax, excise tax and tire tubes where applicable. This data is provided to give the user reasonable estimated values for the tires used in conjunction with rate development in this pamphlet. Belts for loaders are also included: sizes shown are width (in.) X length (ft.).

Tire Description

Cost($) per Ea	Size	Ply	Type of Tire
56	6.50 X 16.00	6	TT RIB HI-MILER
52	6.70 X 15.00	6	TT RIB HI-MILER
56	7.00 X 15.00	6	TT RIB HI-MILER
65	7.00 X 15.00	6	TL TRACKER LT BLACK
67	G78 X 15.00	6	TL TRACKER LT BLACK
70	H78 X 15.00	6	TL TRACKER LT BLACK
73	L78 X 15.00	6	TL TRACKER LT BLACK
73	8.75 X 16.50	6	TL TRACKER LT BLACK
87	8.75 X 16.50	10	TL TRACKER LT BLACK
89	9.50 X 16.50	8	TL TRACKER LT BLACK
74	7.00 X 15.00	8	TT SUPER HI-MILER
81	7.50 X 15.00	8	TT SUPER HI-MILER
98	7.50 X 16.00	10	TT SUPER HI-MILER
137	7.50 X 20.00	8	TT SUPER HI-MILER
190	8.25 X 20.00	10	TT SUPER HI-MILER
247	8.25 X 20.00	12	TT SUPER HI-MILER
218	9.00 X 20.00	10	TT SUPER HI-MILER
266	9.00 X 20.00	12	TT SUPER HI-MILER
274	10.00 X 20.00	12	TT SUPER HI-MILER
335	10.00 X 20.00	14	TT SUPER HI-MILER
304	10.00 X 22.00	12	TT SUPER HI-MILER
331	11.00 X 20.00	12	TT SUPER HI-MILER
373	11.00 X 20.00	14	TT SUPER HI-MILER
349	11.00 X 22.00	12	TT SUPER HI-MILER
389	11.00 X 22.00	14	TT SUPER HI-MILER
411	11.00 X 24.00	14	TT SUPER HI-MILER
410	11.00 X 20.00	14	TT CUSTOM HI-MILER
134	12.00 X 16.50	10	TT CUSTOM HI-MILER
484	12.00 X 20.00	14	TT CUSTOM HI-MILER
532	12.00 X 20.00	16	TT CUSTOM HI-MILER
701	14.00 X 20.00	18	TT CUSTOM HI-MILER
355	14.00 X 17.50	10	TT CUSTOM HI-MILER
120	6.90 X 15.00	8	TT RIB HI-MILER LP TRAILER

TT = Tube-type Tires TL = Tubeless Tires

Tire Description

Cost($) per Ea	Size	Ply	Type of Tire
187	7.50 X 15.00	12	TT RIB HI-MILER LP TRAILER
196	8.25 X 15.00	12	TT RIB HI-MILER LP TRAILER
211	9.00 X 15.00	12	TT RIB HI-MILER LP TRAILER
229	8.25 X 15.00	14	TT RIB HI-MILER LP TRAILER
248	10.00 X 15.00	12	TT RIB HI-MILER LP TRAILER
279	10.00 X 15.00	14	TT RIB HI-MILER LP TRAILER
433	11.00 X 20.00	14	TT SRL 1
771	14.00 X 20.00	18	TT SRL 1
841	14.00 X 24.00	18	TT SRL 1
938	14.00 X 24.00	20	TT SRL 1
342	10.00 X 20.00	12	TT SRL 1
245	9.00 X 20.00	10	TT CUSTOM CROSS RIB HI-MILER
301	10.00 X 20.00	14	TT CUSTOM CROSS RIB HI-MILER
331	10.00 X 22.00	12	TT CUSTOM CROSS RIB HI-MILER
370	11.00 X 20.00	12	TT CUSTOM CROSS RIB HI-MILER
406	11.00 X 20.00	14	TT CUSTOM CROSS RIB HI-MILER
559	15.00 X 22.50	16	TL CUSTOM HI-MILER SUPER SINGLE
628	16.50 X 22.50	16	TL CUSTOM HI-MILER SUPER SINGLE
593	18.00 X 22.50	16	TL CUSTOM HI-MILER SUPER SINGLE
655	18.00 X 22.50	18	TL CUSTOM HI-MILER SUPER SINGLE
53	5.00 X 12.00	4	TT CAMPER-TRAILER TIRES
115	6.50 X 10.00	10	TT XTRA TRACTION MINE & INDUSTRIAL
180	7.00 X 12.00	10	TT XTRA TRACTION MINE & INDUSTRIAL
234	7.00 X 15.00	12	TT XTRA TRACTION MINE & INDUSTRIAL
229	7.50 X 15.00	10	TT XTRA TRACTION MINE & INDUSTRIAL
255	8.25 X 15.00	12	TT XTRA TRACTION MINE & INDUSTRIAL
408	9.00 X 20.00	12	TT HARD ROCK LUG MINE & INDUSTRIAL
479	10.00 X 20.00	14	TT HARD ROCK LUG MINE & INDUSTRIAL
74	16.25 X 5.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
89	16.25 X 6.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
96	5.90 X 22.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
49	12.00 X 3.50	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
356	12.00 X 22.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
64	13.00 X 4.50	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
408	14.00 X 22.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
91	16.00 X 5.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
102	16.00 X 6.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
460	16.00 X 22.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
132	18.00 X 8.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
158	18.00 X 9.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
113	18.00 X 7.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
102	22.00 X 6.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
195	22.00 X 9.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
38	16.00 X 6.50	4	TL INDUSTRIAL TERRA SOF-TRAC
36	18.00 X 8.50	2	TL INDUSTRIAL TERRA SOF-TRAC
40	18.00 X 8.50	4	TL INDUSTRIAL TERRA SOF-TRAC
51	23.00 X 8.50	4	TL SURE GRIP-XTRA TRACTION TERRA
73	26.50 X 12.00	4	TL SURE GRIP-XTRA TRACTION TERRA
219	31.00 X 15.50	8	TL SURE GRIP-XTRA TRACTION TERRA

TT = Tube-type Tires TL = Tubeless Tires

Tire Description

Cost($) per Ea	Size	Ply	Type of Tire
350	18.40 X 16.10	6	TL POWER TORQUE REAR TRACTOR R-1
318	13.60 X 28.00	6	TL POWER TORQUE REAR TRACTOR R-1
180	9.50 X 24.00	4	TT ALL WEATHER REAR TRACTOR R-3
360	14.90 X 24.00	6	TT ALL WEATHER REAR TRACTOR R-3
445	18.40 X 16.10	6	TT ALL WEATHER REAR TRACTOR R-3
865	23.10 X 26.00	8	TT ALL WEATHER REAR TRACTOR R-3
993	23.10 X 26.00	10	TT ALL WEATHER REAR TRACTOR R-3
346	13.60 X 28.00	6	TT ALL WEATHER REAR TRACTOR R-3
337	14.90 X 24.00	6	TL INDUSTRIAL SURE GRIP R-4
388	14.90 X 24.00	8	TL INDUSTRIAL SURE GRIP R-4
487	16.90 X 24.00	8	TL INDUSTRIAL SURE GRIP R-4
711	16.90 X 28.00	10	TL INDUSTRIAL SURE GRIP R-4
1758	23.10 X 26.00	10	TT LOGGER LUG STEELGARD LS-2
253	14.90 X 24.00	6	TT TRACTION TORQUE REAR TRACTOR R-1
327	16.90 X 24.00	6	TT TRACTION TORQUE REAR TRACTOR R-1
714	18.40 X 30.00	10	TT TRACTION TORQUE REAR TRACTOR R-1
792	23.10 X 26.00	8	TT TRACTION TORQUE REAR TRACTOR R-1
98	7.50 X 16.00	6	TT SINGLE RIB FRONT TRACTOR F-1
101	11.00 X 16.00	10	TL FARM SERVICE I-1
126	12.50 X 15.00	12	TL FARM SERVICE I-1
168	14.00 X 16.10	6	TL FARM SERVICE I-1
83	7.50 X 16.00	8	TT IMPLEMENT RIB I-1
93	7.50 X 16.00	10	TT IMPLEMENT RIB I-1
110	11.00 X 15.00	10	TL LABORER F-3
130	11.00 X 16.00	10	TL LABORER F-3
149	11.00 X 16.00	12	TL LABORER F-3
247	14.50 X 16.10	10	TL LABORER F-3
1175	14.00 X 24.00	20	TT COMPACTOR SMOOTH FLAT TREAD
1454	30.00 X 50.00	2	BELTS FOR LOADERS
1920	36.00 X 50.00	2	BELTS FOR LOADERS
2701	42.00 X 50.00	2	BELTS FOR LOADERS
1920	48.00 X 50.00	2	BELTS FOR LOADERS
7836	48.00 X 50.00	3	BELTS FOR LOADERS
8004	48.00 X 60.00	3	BELTS FOR LOADERS
11285	60.00 X 50.00	4	BELTS FOR LOADERS
13441	60.00 X 60.00	4	BELTS FOR LOADERS
1164	24.00 X 50.00	2	BELTS FOR LOADERS
1372	16.00 X 25.00	24	TL E-1 HARD ROCK RIB
2019	18.00 X 25.00	32	TL E-1 HARD ROCK RIB
1503	18.00 X 25.00	12	TL E-2 EARTHMOVER SURE GRIP
1584	23.50 X 25.00	16	TL E-2 SURE GRIP LUG
1665	23.50 X 25.00	20	TL E-2 SURE GRIP LUG
2804	26.50 X 25.00	24	TL E-2 SURE GRIP LUG
3781	29.50 X 29.00	28	TL E-2 SURE GRIP LUG
4071	29.50 X 29.00	34	TL E-2 SURE GRIP LUG
886	14.00 X 20.00	24	TT E-3 HARD ROCK LUG
999	14.00 X 24.00	20	TT E-3 HARD ROCK LUG
964	14.00 X 24.00	24	TT E-3 HARD ROCK LUG
1166	14.00 X 25.00	20	TL E-3 HARD ROCK LUG

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Tire Description

Cost($) per Ea	Size	Ply	Type of Tire
1312	16.00 X 25.00	20	TL E-3 HARD ROCK LUG
1295	16.00 X 25.00	24	TL E-3 HARD ROCK LUG
1842	18.00 X 25.00	20	TL E-3 HARD ROCK LUG
2032	18.00 X 25.00	28	TL E-3 HARD ROCK LUG
2357	18.00 X 33.00	28	TL E-3 HARD ROCK LUG
2890	21.00 X 25.00	24	TL E-3 HARD ROCK LUG
3863	21.00 X 35.00	28	TL E-3 HARD ROCK LUG
4058	21.00 X 35.00	32	TL E-3 HARD ROCK LUG
5117	24.00 X 35.00	36	TL E-3 HARD ROCK LUG
11604	37.50 X 51.00	44	TL E-3 HARD ROCK LUG
6134	24.00 X 49.00	36	TL E-3 HARD ROCK LUG 8
1229	20.50 X 25.00	12	TL E-3 SUPER HARD ROCK LUG
1290	20.50 X 25.00	16	TL E-3 SUPER HARD ROCK LUG
1355	20.50 X 25.00	20	TL E-3 SUPER HARD ROCK LUG
1822	23.50 X 25.00	16	TL E-3 SUPER HARD ROCK LUG
1913	23.50 X 25.00	20	TL E-3 SUPER HARD ROCK LUG
3225	26.50 X 25.00	24	TL E-3 SUPER HARD ROCK LUG
1980	26.50 X 25.00	24	TL E-3 SUPER HARD ROCK LUG
3791	29.50 X 25.00	22	TL E-3 SUPER HARD ROCK LUG
4083	29.50 X 25.00	28	TL E-3 SUPER HARD ROCK LUG
4036	29.50 X 29.00	22	TL E-3 SUPER HARD ROCK LUG
4347	29.50 X 29.00	28	TL E-3 SUPER HARD ROCK LUG
4682	29.50 X 29.00	34	TL E-3 SUPER HARD ROCK LUG
5574	33.25 X 29.00	32	TL E-3 SUPER HARD ROCK LUG
6005	33.25 X 35.00	32	TL E-3 SUPER HARD ROCK LUG
6466	33.25 X 35.00	38	TL E-3 SUPER HARD ROCK LUG
7946	37.50 X 39.00	36	TL E-3 SUPER HARD ROCK LUG
8772	37.50 X 39.00	44	TL E-3 SUPER HARD ROCK LUG
6503	33.50 X 33.00	38	TL E-3 SUPER HARD ROCK LUG
4782	29.50 X 35.00	28	TL E-3 SUPER HARD ROCK LUG 8
4949	33.25 X 29.00	26	TL E-3 SUPER HARD ROCK LUG 8
6284	33.50 X 33.00	38	TL E-3 SUPER HARD ROCK LUG 8
8025	37.25 X 35.00	42	TL E-3 SUPER HARD ROCK LUG 8
7451	37.50 X 33.00	36	TL E-3 SUPER HARD ROCK LUG 8
11026	30.00 X 51.00	46	TL*E-4 HARD ROCK LUG XTRA-TRED 8
1665	16.00 X 25.00	28	TL*E-4 HARD ROCK LUG XTRA-TRED 8
3375	18.00 X 49.00	32	TL*E-4 HARD ROCK LUG XTRA-TRED 8
6337	24.00 X 35.00	42	TL*E-4 HARD ROCK LUG XTRA-TRED 8
6811	24.00 X 43.00	42	TL*E-4 HARD ROCK LUG XTRA-TRED 8
7595	24.00 X 49.00	42	TL*E-4 HARD ROCK LUG XTRA-TRED 8
8983	27.00 X 49.00	42	TL*E-4 HARD ROCK LUG XTRA-TRED 8
1884	18.00 X 25.00	40	TT E-7 EARTHMOVER ALL WEATHER
1305	18.00 X 25.00	16	TL E-7 SAND RIB
2005	21.00 X 25.00	16	TL E-7 SAND RIB
1045	16.00 X 24.00	12	TL G-1 GRADER RIB
345	13.00 X 24.00	8	TL G-2 SURE GRIP GRADER
379	13.00 X 24.00	10	TL G-2 SURE GRIP GRADER
417	13.00 X 24.00	12	TL G-2 SURE GRIP GRADER
438	14.00 X 24.00	10	TL G-2 SURE GRIP GRADER

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Tire Description

Cost($) per Ea	Size	Ply	Type of Tire
480	14.00 X 24.00	12	TL G-2 SURE GRIP GRADER
581	14.00 X 24.00	16	TL G-2 SURE GRIP GRADER
963	16.00 X 24.00	12	TL G-2 SURE GRIP GRADER
1013	16.00 X 24.00	16	TL G-2 SURE GRIP GRADER
472	15.50 X 25.00	8	TL L-2 SURE GRIP LUG D&L
520	15.50 X 25.00	12	TL L-2 SURE GRIP LUG D&L
640	17.50 X 25.00	12	TL L-2 SURE GRIP LUG D&L
1069	20.50 X 25.00	12	TL L-2 SURE GRIP LUG D&L
1120	20.50 X 25.00	16	TL L-2 SURE GRIP LUG D&L
1624	23.50 X 25.00	12	TL L-2 SURE GRIP LUG D&L
1702	23.50 X 25.00	16	TL L-2 SURE GRIP LUG D&L
1229	20.50 X 25.00	12	TL L-3 SUPER HARD ROCK LUG D&L
1290	20.50 X 25.00	16	TL L-3 SUPER HARD ROCK LUG D&L
1867	23.50 X 25.00	12	TL L-3 SUPER HARD ROCK LUG D&L
1959	23.50 X 25.00	16	TL L-3 SUPER HARD ROCK LUG D&L
2161	23.50 X 25.00	24	TL L-3 SUPER HARD ROCK LUG D&L
3557	26.50 X 25.00	20	TL L-3 SUPER HARD ROCK LUG D&L
4037	29.50 X 25.00	16	TL L-3 SUPER HARD ROCK LUG D&L
4555	29.50 X 29.00	22	TL L-3 SUPER HARD ROCK LUG D&L
5237	29.50 X 29.00	22	TL*L-4 SUPER HARD ROCK LUG D&L XT
8238	33.25 X 35.00	26	TL*L-4 SUPER HARD ROCK LUG D&L XT
6765	35.65 X 33.00	24	TL*L-4 NYLOSTEEL XTRA TREAD D&L B/B
10264	40.65 X 39.00	30	TL*L-4 NYLOSTEEL XTRA TREAD D&L B/B
12923	37.25 X 35.00	42	TL*L-5 SUPER XTRA TREAD D&L
17034	45.65 X 45.00	38	TL*L-5 NYLOSTEEL SUPER XT D&L B/B
3219	18.00 X 25.00	24	TL*L-4S,5S SMOOTH SUPER XT D&L
3380	18.00 X 25.00	28	TL*L-4S,5S SMOOTH SUPER XT D&L
4389	21.00 X 25.00	24	TL*L-4S,5S SMOOTH SUPER XT D&L
638	15.00 X 19.50	12	TL SURE GRIPLOADER SUPER SINGLE
760	16.90 X 30.00	6	TL SMOOTH
60	5.90 X 12.00	4	TL LOADER SERVICE
381	15.00 X 19.50	14	TL ALL SERVICE SUPER SINGLE
610	18.00 X 19.50	16	TL ALL SERVICE SUPER SINGLE
425	17.50 X 24.00	6	TL INDUSTRIAL TORQUE R-4
561	17.50 X 24.00	10	TL INDUSTRIAL TORQUE R-4
817	21.00 X 24.00	12	TL INDUSTRIAL TORQUE R-4
1080	21.00 X 24.00	16	TL INDUSTRIAL TORQUE R-4
696	19.50 X 24.00	10	TL INDUSTRIAL TORQUE R-4
693	19.50 X 24.00	12	TL INDUSTRIAL TORQUE R-4
43	5.70 X 8.00	6	TL HIGHLANDER
49	23.00 X 8.50	4	TL LAWN & GARDEN
39	16.50 X 6.50	4	TL RIB TERRA

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