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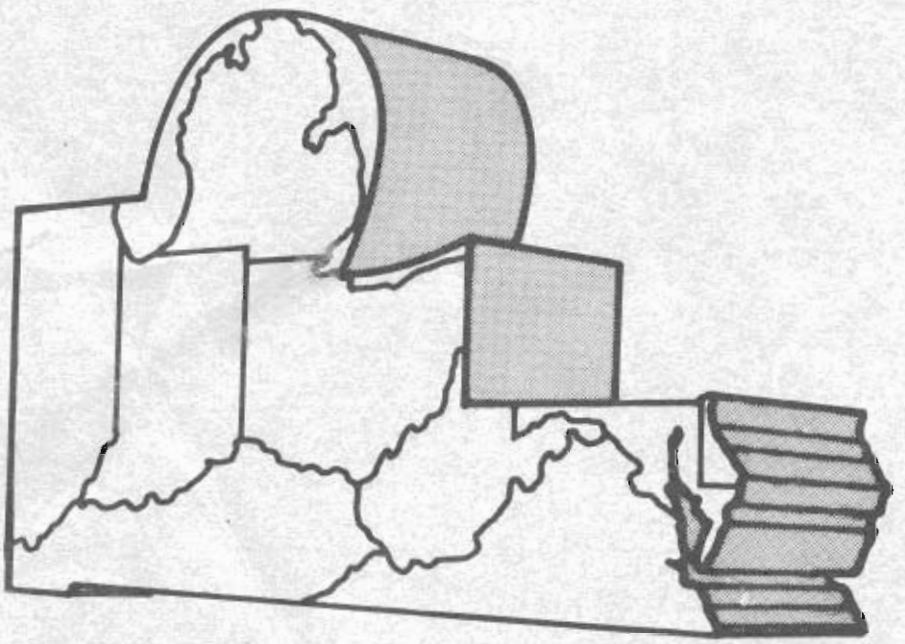
Construction Equipment Ownership and Operating Expense Schedule

Region II



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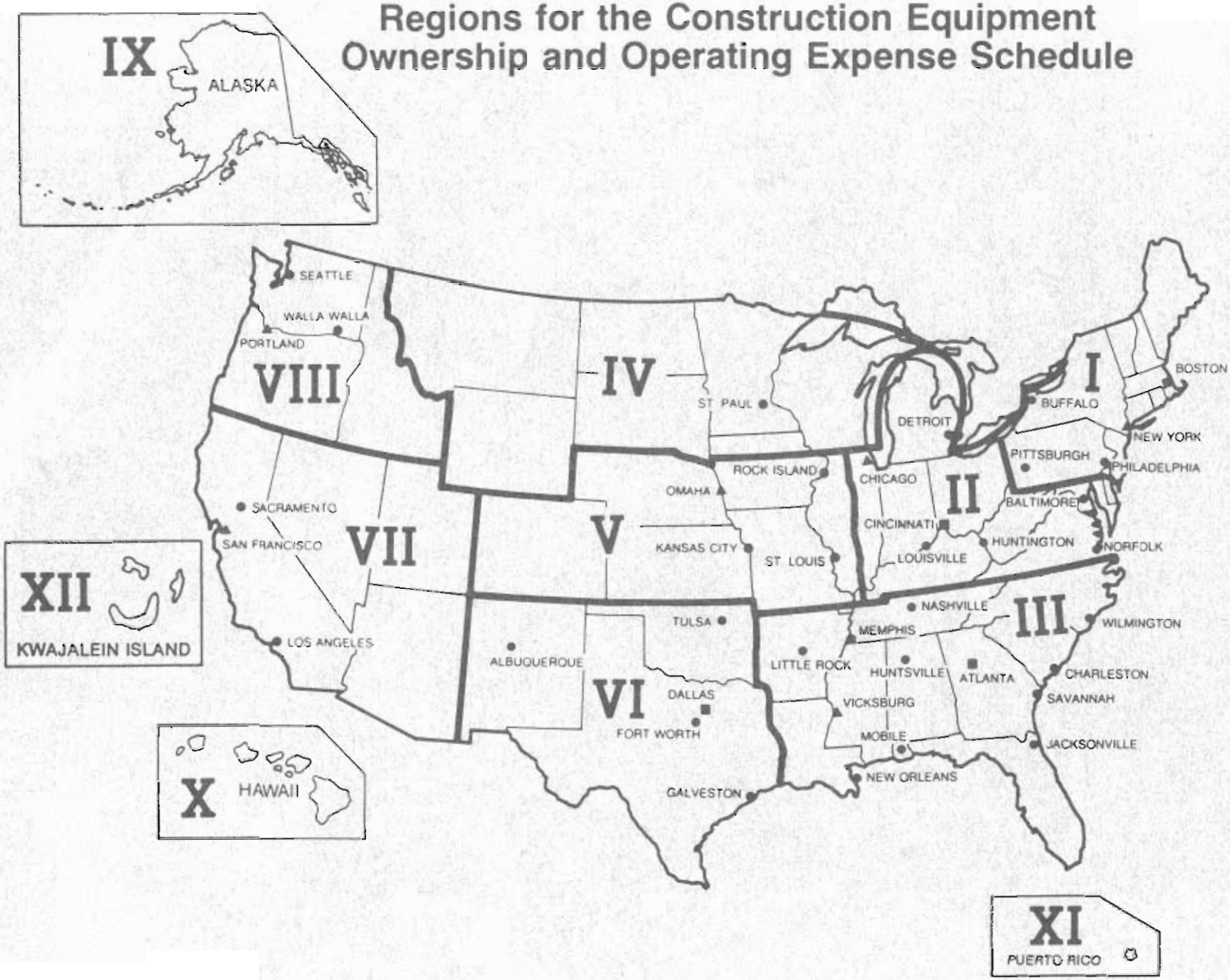
Regions for the Construction Equipment Ownership and Operating Expense Schedule



DEPARTMENT OF THE ARMY
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Pamphlet
No. 1110-1-8

1 December 1988

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 elements and field operating activities having either military or civil works responsibilities for construction contracts in Region II which includes the following states:

Deleware	Indiana	Ohio
District of Columbia	Maryland	Virginia
Illinois (east of U.S. Hwy 51)	Michigan	West Virginia
Kentucky (east of U.S. Hwy 51)		

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 1986. Ownership percentages and operating cost factors for marine equipment, together with the methodology contained herein, can be used to develop marine equipment rates.

4. Obtaining Pamphlets. Copies of Volumes 1 through 12 of this pamphlet are available only through the U. S. Government Printing Office or their government bookstores. For additional information phone (202)783-3238 or write to the following address:

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

FOR THE COMMANDER:

ALBERT J. GENETTI, JR.
Colonel, Corps of Engineers
Chief of Staff

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No. 1110-1-8

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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 Federal Acquisition Regulations 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 II, which includes the following states:

Delaware	Maryland
District of Columbia	Michigan (lower peninsula)
Illinois (East of U.S. Hwy. 51)	Ohio
Indiana	Virginia
Kentucky (East of U.S. Hwy. 51)	West Virginia

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 1986. Ownership percentages and operating costs 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).

CHAPTER 2

METHODOLOGY

2-1. General. This pamphlet provides hourly use rates for construction equipment and annual ownership percentages and operating cost factors for marine plant and equipment. The methodology used to compute the hourly use rates for construction equipment is provided in paragraph 2-2. The methodology used to compute the annual ownership percentages for marine equipment is provided in APPENDIX H.

2-2. Construction Equipment.

a. General. The total hourly rates include all costs of owning and operating equipment except: (1) operating labor; (2) mobilization and demobilization; and (3) overhead expenses. The ownership portion of the rate consists of allowances for depreciation and cost of facilities capital. Operating costs include allowances for: fuel; filters, oil and grease (FOG); servicing the equipment; repair and maintenance; tire wear; and tire repair. Area factors used to compute the hourly equipment ownership and operating expenses are provided in APPENDIX B.

b. Operating Conditions.

(1) Equipment rates have been computed for both "Average" and "Severe" working conditions in accordance with the "Guide for Selecting Operating Conditions" in APPENDIX C. "Difficult" conditions are the arithmetic mean of "Average" and "Severe" rates. Where only the "Average" rate is shown, the one rate will apply for all conditions.

(2) Average, difficult, or severe conditions in accordance with contract specifications are determined by the contracting officer on the basis of supporting evidence and in general accordance with the "guide" in APPENDIX C. Difficult conditions are those lying midway between average and severe. Evaluation of operating conditions for equipment not listed in APPENDIX C will be consistent with the examples shown in the "guide."

c. Ownership Costs. The ownership portion of the rate consists of allowances for depreciation and cost of facilities capital and is computed from a predetermined "equipment cost." "Equipment cost" is based on the total catalog price for the equipment, including extras normally purchased, and required safety features. A 7.5 percent discount is taken for all

equipment except highway trucks which are discounted 15.0 percent. Freight and import tax are added to the discounted price to arrive at the predetermined "equipment cost."

(1) Depreciation.

(a) Depreciation was computed using the straight-line method. The hourly rate was determined by dividing the "Depreciation Value" ("equipment cost" less tire cost and estimated salvage) by the expected normal life of the equipment in hours.

(b) Salvage value for the used equipment was determined from the "Handbook of New and Used Construction Equipment Values" (Green Guide) and advertisements of used equipment for sale displayed in current engineering and construction magazines. The salvage value percentages used for each type of equipment are listed in APPENDIX D (column "SLV") as a percent of the "equipment cost" and are equal for both "Average Condition" and "Severe Condition." The percentages are adjusted by the economic adjustment factor (EAF) to bring the salvage value up to current price levels. The EAF factor is obtained from APPENDIX E and is equal to the economic index for the current year divided by the economic index for the year the equipment was manufactured. The ownership costs shown in TABLE 3-1 represent the hourly costs for new equipment manufactured and purchased in 1986.

(c) Tire cost was considered to be an operating expense and was subtracted from the "equipment cost" before computing depreciation. The tire cost is that cost at the time the equipment was manufactured. This cost was obtained by multiplying current tire prices by the appropriate tire indexes (year of manufacture divided by current year) which are listed in APPENDIX E. Current tire prices are provided in APPENDIX J for information only.

(d) The expected normal life of the equipment was established from manufacturers' or equipment associations' recommendations. The expected normal life in hours is given in APPENDIX D, (Column "LFE" in thousand hours.).

(e) Annual average operating hours have been established for equipment operation within the region covered by this pamphlet. Average hours of use per year were determined by reducing the maximum available hours (40 hours per week, 52 weeks per year) to allow for lost time due to weather, employee's holidays, equipment maintenance and repairs, mobilization and demobilization, and miscellaneous down time. The hours of use per year shown in APPENDIX B is equivalent to one year's life for a single shift operation.

(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 (9.250%) 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 7.40% 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.

$$\text{CFC/hr} = \frac{[(N-1)(1+S)+2]\ (\text{Equipment Cost})\ (7.40\%)}{2N\ (\text{Work Hrs per Year})}$$

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 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 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 weight = 6.1 lbs per gallon

(5) Diesel weight = 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 include 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," 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-half 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.

2-3. 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 less than ten persons, OMB approval under Section 3507, 44 USC, is not required.)

1. REQUIRED DATA

a. Unit Number 3815

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

(2) Model and Series MODEL 9070

(3) Year Purchased 1986 (4) Year Manufactured 1986

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

(7) Fuel Type DIESEL(OFF)/DIESEL(ON) (8) Shipping Weight 1115 CWT

(9) Tire Size: Front- 16.5x22.5 (4EA) 16PLY Drive- 12x20 (8EA) 16PLY 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) =$ 397,238.00

(1) Discount: (List Price) x *7.5% *(~~17.5%~~ 15.0% for Highway Trucks)

=($ 397,238) x *.075 =(-)$ 29,792.85

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

=(1,115) x ($ 2.35) =(+)$ 2,620.25

b. Subtotal: Summation of Part a. (Use actual cost when available) =$ 370,065.40

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

=($ 370,065) x (0.050) =(+)$ 18,503.27

c. Equipment Cost: Summation of Part b. (Use actual cost when available) =$ 388,568.67

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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) ÷ (1,500 Hrs/Yr) 13.33 Yrs.

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

= (3678) ÷ (3485) = 1.055 (EAF)

5. SALVAGE VALUE FACTOR (S)

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

= (0.15) x (1.055) = 0.158 (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))

= [($ 388,569) x [1.0 - (0.158)] - ($ 6,619)] ÷ (20,000 Hr) = $ 16.03 /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]

= [[(13.33 Yrs) - 1.0] x [(0.158) + 1.0] + 2.0] ÷ [(13.33 Yrs) x 2.0] = 0.611

(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)

= ($ 388,569) x (0.611) x (.074) ÷ (1,500 Hrs/Yr) = $ 11.71 /Hr.

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) = $ 27.74 /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 ($0.69 /Gal) =$3.67 /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 ($0.94 /Gal) =$1.89 /Hr.

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) =$5.56 /Hr.

b. FOG Costs:

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

=(.26) x ($3.67 /Hr) =$0.95 /Hrs.

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

=(.26) x ($1.89 /Hr) =$0.49 /Hr.

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) =$2.38 /Hr.

c. Repairs Cost:

(1) Repair Factor:

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

=(.70) x (1.055) x (0.98) =0.724

(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))

=[($388,569) - ($6,619)] x (0.724) ÷ (20000 Hr) =$13.83 /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($ 2,512)÷[1.8x(0.97)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(0.78)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) =$ 22.37 /Hr.

8. TOTAL HOURLY RATES

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

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

=($ 27.74 /Hr) + ($ 22.37 /Hr) =$ 50.11 /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)

=($ 16.03 /Hr) + [($ 11.71 /Hr)x40÷(60 Hr/Wk)] + ($ 22.37 /Hr) =$ 46.21 /Hr.

c. Hourly Standby Rate:

(Depreciation From 6-a) x ~~0.25~~ 0.50 + (CPC Frm 6-b-(2))

=($ 16.03 /Hr) x ~~0.25~~ 0.60 + ($ 11.71 /Hr) =$ 19.73 /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 3725 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 CHAPTERS 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. Overage Equipment. When an item of equipment has exceeded the economic service life given in APPENDIX D, it is considered overage and the hourly use rate will not exceed the rate for a piece of equipment that is not overage. An hourly rate for overage 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 overage 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, et cetera) 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. It has been determined that these tables 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, et cetera 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 rate 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	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	AGGREGATE/CHIP SPREADER **********									
	ETNYRE - SELF-PROPELLED									
1015	SPREAD TO 8" DEPTH & 10' WIDE 184 HP G	58,239	20.86		4.17	6.42	8.16			155
1020	SPREAD TO 8" DEPTH & 13' WIDE 140 HP D	65,113	15.59		4.66	7.18	2.90			160
	ROSCO - SELF-PROPELLED									
1030	CHIP SPREADER AT 10' WIDE 137 HP G	60,426	18.68		4.32	6.66	6.08			170
1035	CHIP SPREADER AT 13.5' WIDE 137 HP G	61,193	18.81		4.37	6.74	6.08			175
	AIR COMPRESSORS, PORTABLE ********** (HOSE NOT INCLUDED)									
	ROTARY SCREW									
1050	SIZE 100 CFM QUIET 100 PSI 50 HP G	11,362	5.82		0.80	1.21	2.87			20
1055	SIZE 100 CFM QUIET 100 PSI 33 HP D	13,631	3.55		0.96	1.46	0.87			26
1060	SIZE 125 CFM QUIET 100 PSI 70 HP G	13,905	7.80		0.98	1.49	4.02			24
1065	SIZE 125 CFM QUIET 100 PSI 51 HP D	14,790	4.35		1.04	1.58	1.34			26
1070	SIZE 175 CFM QUIET 100 PSI 70 HP G	15,175	8.02		1.07	1.62	4.02			26
1075	SIZE 175 CFM QUIET 100 PSI 54 HP D	17,220	4.89		1.21	1.84	1.42			28
1080	SIZE 185 CFM QUIET 100 PSI 70 HP G	15,669	8.11		1.11	1.68	4.02			27
1085	SIZE 185 CFM QUIET 100 PSI 69 HP D	18,483	5.62		1.30	1.98	1.81			29
1090	SIZE 250 CFM QUIET 100 PSI 88 HP D	21,637	6.84		1.53	2.32	2.31			55
1095	SIZE 375 CFM QUIET 100 PSI 122 HP D	34,146	10.24		2.38	3.60	3.20			79
1100	SIZE 450 CFM QUIET 100 PSI 152 HP D	44,252	13.07		3.10	4.70	3.99			89
1105	SIZE 600 CFM QUIET 100 PSI 188 HP D	53,135	15.87		3.73	5.65	4.93			97
1110	SIZE 750 CFM QUIET 100 PSI 228 HP D	61,621	18.72		4.32	6.56	5.98			128
1115	SIZE 825 CFM QUIET 100 PSI 260 HP D	70,112	21.33		4.93	7.48	6.82			130
1120	SIZE 900 CFM QUIET 100 PSI 270 HP D	76,825	22.85		5.40	8.20	7.08			148
1125	SIZE 1000 CFM QUIET 100 PSI 294 HP D	74,716	23.28		5.25	7.97	7.71			186
1130	SIZE 1200 CFM QUIET 100 PSI 400 HP D	102,724	31.85		7.23	10.99	10.49			196
1135	SIZE 1600 CFM QUIET 100 PSI 456 HP D	116,136	36.14		8.17	12.42	11.96			216

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
	AIR EQUIPMENT ********** (HOSE NOT INCLUDED)									
	CLEMCO - SANDBLASTERS									
1150	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,528	1.00		0.21	0.36	0.00			3
1155	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,784	1.77		0.38	0.65	0.00			5
1160	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,802	1.79		0.38	0.66	0.00			6
1165	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	3,079	2.02		0.42	0.72	0.00			7
1170	SCH-3079R SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,164	2.69		0.57	0.98	0.00			9
1175	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	12,108	7.62		1.62	2.78	0.00			28
1180	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	14,884	9.26		1.93	3.31	0.00			45
1185	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	18,153	11.38		2.38	4.08	0.00			53
	GARDNER DENVER - TOOLS									
1195	SPADER SP27E 32CFM A	928	0.62		0.12	0.21	0.00			1
1200	SINKER DRILL S58 98CFM A	2,034	1.36		0.28	0.48	0.00			1
1205	PAVING BREAKER B37 41CFM A	952	0.65		0.14	0.23	0.00			1
1210	PAVING BREAKER B67C 46CFM A	1,020	0.69		0.14	0.24	0.00			1
1215	PAVING BREAKER B87C 50CFM A	1,109	0.74		0.15	0.26	0.00			1
1220	FEED LEG DRILL S83P-54" TRAVEL 103CFM A RETRACTABLE PL-7	3,738	2.43		0.51	0.88	0.00			1
	MASTER - CONCRETE VIBRATORS									
1230	CONCRETE VIBR. MOD A-600SH 6" 125CFM A	2,007	1.89		0.27	0.47	0.00			1
1235	CONCRETE VIBR. MOD A-450SH 4.5" 110CFM A	1,290	1.26		0.18	0.31	0.00			1
1240	CONCRETE VIBR. MOD A-35010 3.5" 82CFM A	1,158	1.10		0.16	0.27	0.00			1
1245	CONCRETE VIBR. MOD A-30010 3" 64CFM A	1,045	0.99		0.15	0.25	0.00			1
1250	CONCRETE VIBR. MOD A-25010 2.5" 40CFM A	819	0.77		0.11	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	32,022	9.76		2.32	3.59	2.58			72
1270	MOD RES 1500 GAL. TRUCK MOUNTED 45 HP G 24,000 TO 32,000 GVW REQUIRED	32,794	9.91		2.37	3.67	2.58			75
1275	MOD RES 2000 GAL. TRUCK MOUNTED 45 HP G 32,000 GVW REQUIRED	35,086	10.37		2.54	3.93	2.58			87
1280	MOD RES 3000 GAL. TRUCK MOUNTED 45 HP G 42,000 GVW REQUIRED	39,372	11.22		2.85	4.41	2.58			109
	ASPHALT FINISHERS ********** SPW=STANDARD PAVING WIDTH									
	BARBER-GREENE									
1295	MOD BG220 8' SPW (PNEUMATIC) 78 HP D W/ 15'-6" SCREED EXT.	129,849	29.17		9.32	14.39	2.05			230
1300	MOD BG240 10' SPW (PNEUMATIC) 96 HP D W/ 19' SCREED EXT.	147,096	33.41		10.47	16.13	2.52			290
1305	MOD BG260 10' SPW (PNEUMATIC) 142 HP D W/ 19' SCREED EXT.	164,012	38.42		11.71	18.04	3.72			320
1310	MOD BG225 8' SPW (CRAWLER) 78 HP D W/ 15'-6" SCREED EXT.	149,899	33.10		10.84	16.78	2.05			250
1315	MOD BG245 10' SPW (CRAWLER) 96 HP D W/ 19' SCREED EXT.	172,716	38.35		12.50	19.34	2.52			320
1320	MOD BG265 10' SPW (CRAWLER) 142 HP D W/ 19' SCREED EXT.	210,334	47.54		15.22	23.55	3.72			370
	BLAW-KNOX									
1330	MOD PF-22 5'-8'SPW (PNEUMATIC) 30 HP D	50,460	11.39		3.58	5.50	0.79			95
1335	MOD PF-35 6'-8'SPW (PNEUMATIC) 44 HP D	83,725	18.62		5.99	9.23	1.15			104
1340	MOD PF-115 8'SPW (PNEUMATIC) 56 HP D	111,826	24.81		7.99	12.31	1.47			180
1345	MOD PF-120H 10'SPW (PNEUMATIC) 95 HP D	135,536	31.03		9.63	14.83	2.49			240
1350	MOD PF-180H 10'SPW (PNEUMATIC) 92 HP D	161,118	36.21		11.45	17.63	2.41			277
1355	MOD PF-220 12'SPW (PNEUMATIC) 148 HP D	209,286	48.04		14.86	22.87	3.88			387

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
	ASPHALT FINISHERS (CONT'D) ********** SPW=STANDARD PAVING WIDTH									
	BLAW-KNOX (CONT'D)									
1360	MOD PF-400A 8'SPW (CRAWLER) 90 HP D	149,575	33.44		10.82	16.75	2.36			230
1365	MOD PF-500 10'SPW (CRAWLER) 125 HP D	179,935	40.80		13.02	20.15	3.28			291
	ASPHALT KETTLES **********									
	ROSCO									
1380	MOD KB 110 GAL. TRAILER MOUNTED	4,130	2.00		0.34	0.54	0.00			13
1385	MOD KD 225 GAL. TRAILER MOUNTED	4,866	2.28		0.40	0.63	0.00			16
	AEROIL									
1395	MOD KE-B-80 GAL. TRAILER MOUNTED	2,854	1.57		0.24	0.37	0.00			9
1400	MOD KE-BR-115 GAL. TRAILER MOUNTED	3,360	1.93		0.27	0.42	0.00			15
	ASPHALT RECYCLER **********									
	AEROIL									
1415	MOD AR-100 TRAILER MOUNTED 7 HP G	9,175	4.30		0.76	1.20	0.40			16
	BROOMS ********									
	M-B									
1430	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER	6,791	1.56		0.49	0.75	0.00			24
1435	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER 30 HP G	8,736	3.83		0.63	0.97	1.72			30
1440	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER	3,304	0.74		0.24	0.37	0.00			10
1445	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER	5,954	1.29		0.43	0.66	0.00			14

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
	BRUSH CHIPPERS **********									
	CHIPMORE									
1460	MOD TM-20 TRAILER-MTD 11 HP G	4,058	1.41		0.29	0.44	0.44			7
1465	MOD TM-30 TRAILER-MTD 18 HP G	4,861	1.95		0.35	0.54	0.72			9
1470	MOD TM120 TRAILER-MTD 12" DIA.LOG 60 HP G	10,303	5.27		0.74	1.14	2.40			36
1475	MOD TM120 TRAILER-MTD 12" DIA.LOG 76 HP D	13,002	4.48		0.94	1.45	1.42			42
	FMC									
1485	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	12,122	10.40		0.88	1.36	6.00			41
1490	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	13,265	10.63		0.95	1.46	6.00			45
	BUCKETS, CLAMSHELL **********									
	ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1505	.75 C.Y.	11,926	2.23	2.86	0.89	1.39	0.00	1.65	0.00	37
1510	1.0 C.Y.	12,796	2.39	3.05	0.94	1.48	0.00	1.76	0.00	41
1515	1.5 C.Y.	18,346	3.43	4.38	1.36	2.13	0.00	2.53	0.00	61
1520	2.0 C.Y.	21,307	3.98	5.09	1.57	2.47	0.00	2.94	0.00	69
1525	2.5 C.Y.	27,762	5.19	6.64	2.06	3.23	0.00	3.83	0.00	88
1530	3.0 C.Y.	29,414	5.50	7.03	2.18	3.42	0.00	4.06	0.00	94
1535	3.5 C.Y.	31,802	5.95	7.61	2.36	3.70	0.00	4.39	0.00	105
1540	4.0 C.Y.	35,025	6.55	8.37	2.59	4.07	0.00	4.83	0.00	115
1545	4.5 C.Y.	37,881	7.08	9.06	2.80	4.40	0.00	5.23	0.00	126
1550	5.0 C.Y.	40,234	7.52	9.62	2.97	4.67	0.00	5.55	0.00	140
1555	5.5 C.Y.	44,313	8.29	10.60	3.28	5.15	0.00	6.12	0.00	152
1560	6.0 C.Y.	46,029	8.61	11.00	3.41	5.35	0.00	6.35	0.00	160
1565	6.5 C.Y.	48,459	9.06	11.59	3.58	5.63	0.00	6.69	0.00	169
1570	7.0 C.Y.	50,832	9.51	12.16	3.76	5.91	0.00	7.02	0.00	177
1575	7.5 C.Y.	52,749	9.86	12.61	3.90	6.13	0.00	7.28	0.00	184

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
	BUCKETS, CLAMSHELL (CONT'D) **********									
	ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE									
1585	.75 C.Y.	15,537	2.90	3.71	1.15	1.80	0.00	2.14	0.00	33
1590	1.0 C.Y.	15,546	2.90	3.71	1.15	1.80	0.00	2.14	0.00	46
1595	1.5 C.Y.	22,604	4.22	5.41	1.67	2.62	0.00	3.12	0.00	70
1600	2.0 C.Y.	24,383	4.56	5.84	1.80	2.83	0.00	3.37	0.00	78
1605	2.5 C.Y.	30,975	5.79	7.40	2.29	3.60	0.00	4.27	0.00	98
1610	3.0 C.Y.	33,884	6.33	8.11	2.50	3.93	0.00	4.68	0.00	109
1615	3.5 C.Y.	38,653	7.23	9.24	2.86	4.49	0.00	5.33	0.00	120
1620	4.0 C.Y.	41,562	7.76	9.94	3.07	4.82	0.00	5.74	0.00	131
1625	4.5 C.Y.	44,645	8.34	10.68	3.30	5.18	0.00	6.17	0.00	141
1630	5.0 C.Y.	48,875	9.13	11.68	3.61	5.67	0.00	6.74	0.00	155
1635	5.5 C.Y.	51,540	9.64	12.33	3.81	5.99	0.00	7.12	0.00	164
1640	6.0 C.Y.	54,064	10.11	12.93	4.00	6.28	0.00	7.46	0.00	174
1645	6.5 C.Y.	56,909	10.64	13.60	4.21	6.61	0.00	7.85	0.00	185
1650	7.0 C.Y.	59,313	11.08	14.19	4.38	6.88	0.00	8.19	0.00	193
1655	7.5 C.Y.	61,671	11.52	14.75	4.56	7.16	0.00	8.52	0.00	201
	ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE									
1665	.75 C.Y.	17,521	3.27	4.19	1.29	2.03	0.00	2.42	0.00	50
1670	1.0 C.Y.	17,860	3.33	4.28	1.32	2.07	0.00	2.47	0.00	55
1675	1.5 C.Y.	25,700	4.80	6.15	1.90	2.98	0.00	3.55	0.00	81
1680	2.0 C.Y.	31,320	5.86	7.49	2.32	3.64	0.00	4.32	0.00	99
1685	2.5 C.Y.	36,077	6.74	8.63	2.67	4.19	0.00	4.98	0.00	115
1690	3.0 C.Y.	39,070	7.30	9.35	2.89	4.54	0.00	5.40	0.00	127
1695	3.5 C.Y.	43,058	8.05	10.29	3.18	5.00	0.00	5.94	0.00	141
1700	4.0 C.Y.	46,278	8.65	11.07	3.42	5.37	0.00	6.39	0.00	150
1705	4.5 C.Y.	47,418	8.87	11.34	3.51	5.51	0.00	6.55	0.00	160

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)									
1710	5.0 C.Y.	51,254	9.58	12.26	3.79	5.95	0.00	7.08	0.00	173
1715	5.5 C.Y.	54,281	10.15	12.99	4.02	6.31	0.00	7.50	0.00	185
1720	6.0 C.Y.	57,070	10.66	13.65	4.21	6.62	0.00	7.88	0.00	195
1725	6.5 C.Y.	60,635	11.34	14.50	4.49	7.05	0.00	8.37	0.00	208
1730	7.0 C.Y.	62,895	11.76	15.05	4.65	7.31	0.00	8.69	0.00	218
1735	7.5 C.Y.	65,889	12.31	15.75	4.87	7.65	0.00	9.09	0.00	229
	BUCKETS, CONCRETE **********									
	LOWBOY -AIR OPER GATE CAMLEVER									
1750	LB-375 3/8 C.Y.	3,230	0.60		0.24	0.37	0.00			2
1755	LB-050 1/2 C.Y.	3,407	0.62		0.25	0.38	0.00			2
1760	LB-075 3/4 C.Y.	3,508	0.64		0.25	0.39	0.00			3
1765	LB-100 1.0 C.Y.	3,668	0.67		0.27	0.41	0.00			5
1770	LB-150 1.5 C.Y.	4,178	0.77		0.31	0.47	0.00			6
1775	LB-200 2.0 C.Y.	5,314	0.97		0.38	0.59	0.00			8
1780	LB-300 3.0 C.Y.	6,239	1.14		0.45	0.70	0.00			12
1785	LB-400 4.0 C.Y.	7,225	1.32		0.53	0.81	0.00			15
	GENERAL PURPOSE & MANUAL GAR-BRO									
1795	433-G 1.0 C.Y.	1,612	0.29		0.12	0.18	0.00			6
1800	442-G 1.5 C.Y.	2,015	0.37		0.15	0.23	0.00			8
1805	462-G 2.0 C.Y.	2,606	0.48		0.20	0.30	0.00			11
1810	493-G 3.0 C.Y.	3,675	0.67		0.27	0.41	0.00			19
1815	4123-G 4.0 C.Y.	4,611	0.85		0.34	0.52	0.00			23

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
	BUCKETS, CONCRETE (CONT'D) **********									
	LOW SLUMP - AIR OPERATED GATE GAR-BRO									
1825	440-A 1.0 C.Y.	6,691	1.22		0.49	0.75	0.00			19
1830	450-A 1.5 C.Y.	6,954	1.27		0.51	0.78	0.00			21
1835	460-A 2.0 C.Y.	7,222	1.32		0.53	0.81	0.00			23
1840	493-A 3.0 C.Y.	9,475	1.73		0.69	1.06	0.00			42
1845	4139-A 4.0 C.Y.	9,852	1.80		0.71	1.10	0.00			52
1850	4200-A 6.0 C.Y. DBL. COMPT.	14,233	2.61		1.04	1.60	0.00			72
1855	4250-A 8.0 C.Y. DBL. COMPT.	17,033	3.12		1.24	1.91	0.00			80
	LAYDOWN - HEAVY DUTY - AIR GATE GAR-BRO									
1865	425-A 1.0 C.Y.	7,562	1.39		0.55	0.85	0.00			26
1870	465-A 2.0 C.Y.	8,444	1.55		0.62	0.95	0.00			31
1875	495-A 3.0 C.Y.	9,785	1.79		0.71	1.10	0.00			40
1880	4125-A 4.0 C.Y.	10,888	1.99		0.79	1.22	0.00			49
1885	4155-A 5.0 C.Y.	12,750	2.33		0.93	1.43	0.00			60
	BUCKETS, DRAGLINE **********									
	HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED									
1900	.75 C.Y.	3,584	0.66	0.86	0.26	0.41	0.00	0.50	0.00	15
1905	1.0 C.Y.	4,253	0.79	1.02	0.31	0.49	0.00	0.59	0.00	18
1910	1.5 C.Y.	5,193	0.97	1.25	0.38	0.60	0.00	0.72	0.00	26
1915	2.0 C.Y.	6,132	1.14	1.47	0.45	0.71	0.00	0.85	0.00	32
1920	2.5 C.Y.	7,203	1.35	1.72	0.54	0.84	0.00	0.99	0.00	37
1925	3.0 C.Y.	8,883	1.66	2.13	0.66	1.03	0.00	1.23	0.00	46
1930	3.5 C.Y.	9,821	1.84	2.35	0.73	1.14	0.00	1.36	0.00	50
1935	4.0 C.Y.	11,966	2.24	2.86	0.89	1.39	0.00	1.65	0.00	65
1940	4.5 C.Y.	12,705	2.37	3.03	0.94	1.47	0.00	1.75	0.00	69

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)									
1945	5.0 C.Y.	15,338	2.87	3.67	1.13	1.78	0.00	2.12	0.00	85
1950	6.0 C.Y.	16,625	3.12	3.98	1.24	1.94	0.00	2.30	0.00	90
1955	7.0 C.Y.	18,175	3.40	4.35	1.34	2.11	0.00	2.51	0.00	101
1960	8.0 C.Y.	20,150	3.77	4.82	1.49	2.34	0.00	2.78	0.00	112
1965	9.0 C.Y.	23,273	4.36	5.56	1.73	2.71	0.00	3.21	0.00	128
1970	10.0 C.Y.	25,293	4.73	6.05	1.87	2.94	0.00	3.49	0.00	139
1975	12.0 C.Y.	31,092	5.81	7.44	2.30	3.61	0.00	4.30	0.00	166
1980	14.0 C.Y.	35,749	6.68	8.55	2.64	4.15	0.00	4.94	0.00	191
	HENDRIX - MODEL TS, MEDIUM WEIGHT									
1990	.75 C.Y.	4,176	0.78	1.00	0.31	0.48	0.00	0.58	0.00	17
1995	1.0 C.Y.	5,138	0.95	1.23	0.38	0.59	0.00	0.71	0.00	19
2000	1.5 C.Y.	6,332	1.19	1.52	0.47	0.74	0.00	0.88	0.00	28
2005	2.0 C.Y.	7,550	1.41	1.80	0.56	0.88	0.00	1.04	0.00	36
2010	2.5 C.Y.	8,705	1.64	2.08	0.65	1.02	0.00	1.20	0.00	41
2015	3.0 C.Y.	10,408	1.95	2.49	0.77	1.21	0.00	1.44	0.00	49
2020	3.5 C.Y.	11,494	2.14	2.74	0.85	1.33	0.00	1.58	0.00	54
2025	4.0 C.Y.	13,795	2.59	3.30	1.03	1.61	0.00	1.91	0.00	70
2030	4.5 C.Y.	14,755	2.76	3.53	1.10	1.72	0.00	2.04	0.00	72
2035	5.0 C.Y.	18,913	3.54	4.52	1.40	2.20	0.00	2.61	0.00	93
2040	6.0 C.Y.	19,546	3.65	4.68	1.45	2.27	0.00	2.70	0.00	96
2045	7.0 C.Y.	22,309	4.18	5.34	1.66	2.60	0.00	3.08	0.00	111
2050	8.0 C.Y.	24,562	4.60	5.88	1.82	2.86	0.00	3.40	0.00	122
2055	9.0 C.Y.	29,400	5.50	7.03	2.18	3.42	0.00	4.06	0.00	149
2060	10.0 C.Y.	31,310	5.86	7.49	2.32	3.64	0.00	4.32	0.00	159
2065	12.0 C.Y.	39,906	7.45	9.54	2.95	4.63	0.00	5.51	0.00	202
2070	14.0 C.Y.	44,435	8.30	10.62	3.28	5.16	0.00	6.13	0.00	225

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 MH-S, HEAVY WEIGHT									
2080	2.75 C.Y.	16,697	3.12	3.99	1.24	1.94	0.00	2.30	0.00	69
2085	3.0 C.Y.	17,366	3.25	4.15	1.29	2.02	0.00	2.39	0.00	72
2090	3.5 C.Y.	19,443	3.63	4.65	1.43	2.25	0.00	2.68	0.00	81
2095	4.0 C.Y.	26,005	4.86	6.22	1.92	3.02	0.00	3.59	0.00	110
2100	4.5 C.Y.	29,073	5.44	6.95	2.15	3.38	0.00	4.01	0.00	123
2105	5.0 C.Y.	30,022	5.61	7.18	2.22	3.49	0.00	4.14	0.00	127
2110	6.0 C.Y.	32,152	6.02	7.69	2.38	3.74	0.00	4.44	0.00	136
2115	7.0 C.Y.	40,876	7.64	9.77	3.02	4.75	0.00	5.64	0.00	175
2120	8.0 C.Y.	42,039	7.86	10.05	3.11	4.88	0.00	5.80	0.00	180
2125	9.0 C.Y.	53,461	9.99	12.78	3.95	6.21	0.00	7.38	0.00	234
2130	10.0 C.Y.	55,326	10.35	13.23	4.09	6.43	0.00	7.64	0.00	243
2135	12.0 C.Y.	65,802	12.30	15.73	4.86	7.64	0.00	9.08	0.00	289
2140	14.0 C.Y.	70,067	13.09	16.75	5.17	8.13	0.00	9.67	0.00	309
	SAUERMAN - CRESCENT SCRAPER									
	WITH DRAGLINE CONVERSION KIT									
2155	SC-1050-K 1.0 C.Y.	10,133	1.90	2.42	0.75	1.18	0.00	1.40	0.00	15
2160	SC-1060-K 1.5 C.Y.	12,976	2.43	3.10	0.96	1.51	0.00	1.79	0.00	20
2165	SC-1070-K 2.0 C.Y.	17,789	3.32	4.26	1.31	2.06	0.00	2.46	0.00	25
2170	SC-1090-K 3.0 C.Y.	23,528	4.40	5.63	1.74	2.73	0.00	3.25	0.00	36
2175	SC-1100-K 4.0 C.Y.	35,173	6.57	8.42	2.60	4.08	0.00	4.86	0.00	49
2180	SC-1110-K 5.0 C.Y.	40,102	7.50	9.59	2.97	4.66	0.00	5.54	0.00	58
2185	SC-1120-K 6.0 C.Y.	48,608	9.09	11.62	3.60	5.65	0.00	6.71	0.00	68
2190	SC-1130-K 8.0 C.Y.	59,051	11.04	14.12	4.37	6.86	0.00	8.15	0.00	88
2195	SC-1140-K 10.0 C.Y.	71,648	13.39	17.13	5.29	8.32	0.00	9.89	0.00	106
2200	SC-1150-K 12.0 C.Y.	83,114	15.54	19.87	6.15	9.66	0.00	11.47	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 **********									
2210	UR-12 INGERSOLL-RAND RAMMER 3 HP G	1,715	0.94		0.18	0.29	0.24			1
2215	BS45Y WACKER RAMMER 3 HP G	1,701	0.93		0.17	0.28	0.24			1
2220	BS65Y WACKER RAMMER 4 HP G	3,088	1.55		0.32	0.52	0.32			2
2225	GVR151Y WACKER RAMMER 5 HP G	2,408	1.39		0.24	0.40	0.40			2
2230	GVR220Y WACKER RAMMER 6 HP G	3,088	1.74		0.32	0.52	0.48			2
2235	VPG160B WACKER VIBRO PLATE 4 HP G	1,331	0.90		0.14	0.23	0.32			2
2240	VPG260K WACKER VIBRO PLATE 7 HP G	1,894	1.38		0.20	0.32	0.55			3
2245	BT-50 BOMAG TAMPING 5 HP G	1,893	1.20		0.20	0.32	0.40			1
2250	BT-58 BOMAG TAMPING 3 HP G	1,934	1.02		0.20	0.33	0.24			1
2255	BT-68 BOMAG TAMPING 3 HP G	2,282	1.14		0.23	0.38	0.24			1
2260	BT-71 BOMAG TAMPING 4 HP G	2,358	1.27		0.24	0.39	0.32			2
2265	HP10/36W BOMAG VIBRO PL W/SPRNKLR 4 HP G	1,177	0.84		0.12	0.20	0.32			2
2270	BP-11K BOMAG VIBRO PLATE 4 HP G	1,691	1.02		0.17	0.28	0.32			3
2275	BP-19/75 BOMAG VIBRO PLATE 5 HP D	3,225	1.41		0.33	0.54	0.18			4
2280	BP-30R BOMAG VIBRO PLATE 5 HP G	4,481	2.16		0.46	0.75	0.40			5
2285	BP-30 BOMAG VIBRO PLATE 5 HP D	5,652	2.32		0.58	0.95	0.18			5
2290	BP-50 BOMAG VIBRO PLATE 7 HP D	8,383	3.42		0.85	1.40	0.26			9
2295	BW-75E BOMAG WALK BEHIND S/D 5 HP D	8,407	3.33		0.85	1.40	0.18			12
2300	BW-35 BOMAG WALK BEHIND D/D 4 HP D	9,716	3.78		0.98	1.62	0.15			11
2305	BW-60SE BOMAG D/D ROLLER 8 HP D	13,329	5.29		1.34	2.22	0.29			20
2310	BW-90SE BOMAG D/D ROLLER 13 HP D	16,721	6.77		1.69	2.79	0.48			28
2315	VPG600 WACKER VIBRO PLATE 9 HP G	3,489	2.17		0.35	0.58	0.71			7
2320	DPS2350 WACKER VIBRO PLATE 7 HP D	3,692	1.69		0.38	0.62	0.26			4
2325	DPU5050 WACKER VIBRO PLATE 11 HP D	12,416	5.09		1.25	2.07	0.40			10
2330	W 55 T WACKER D/D ROLLER 8 HP D	11,339	4.55		1.14	1.89	0.29			17
2335	W 74 T WACKER D/D ROLLER 8 HP D	12,754	5.08		1.29	2.13	0.29			19

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 BLASTERS **********									
	BLASTRAC									
2350	DSC-15 SURFACE PREP/CLEANING MACH 41 HP D	58,771	19.29		5.92	9.79	1.16			40
	CONCRETE BUGGIES **********									
	AEROIL									
2365	5 CF WALK-BEHIND 5 HP G	1,823	0.96		0.18	0.30	0.31			3
	WHITEMAN									
2375	MODWBS11 WALK & RIDE 8 HP G	4,622	2.05		0.47	0.77	0.49			7
	CONCRETE FINISHERS **********									
	BOMAG									
2390	MOD F46B4 GYRO TROWEL 7 HP G	1,502	1.03		0.15	0.25	0.43			2
2395	MOD RF2B4 DOUBLTROWEL 16 HP G	5,926	3.11		0.60	0.99	0.99			7
2400	MOD RF3B3 TRIPLTROWEL 16 HP G	7,641	3.63		0.78	1.28	0.99			9
	CONCRETE MIXERS **********									
2410	PORTABLE CONCRETE MIXER 2.5 CF 1 HP E	695	0.27		0.06	0.09	0.05			2
2415	PORTABLE CONCRETE MIXER 4.0 CF 4 HP E	1,188	0.66		0.11	0.18	0.21			3
2420	PORTABLE CONCRETE MIXER 3.5 CF 1 HP E	713	0.28		0.06	0.10	0.05			3
2425	PORTABLE CONCRETE MIXER 6.0 CF 6 HP E	2,247	1.14		0.22	0.36	0.31			7
2430	PORTABLE CONCRETE MIXER 6.0 CF 7 HP G	2,320	1.26		0.23	0.37	0.43			7
2435	PORTABLE MORTAR MIXER 6.0 CF 7 HP G	1,714	1.08		0.17	0.27	0.43			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	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											
2450	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANS, AND SIDEWALKS	142 HP	D	137,548	32.73		9.95	15.40	3.72			263
2455	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP	D	261,096	60.09		18.89	29.24	5.45			540
2460	MOD SF - 450 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP	D	462,304	102.42		33.45	51.77	6.55			960
2465	MOD SF - 500 24' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	400 HP	D	532,324	121.70		38.51	59.61	10.49			1150
	GOMACO											
2475	MOD C-650FF 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP	G	27,939	10.59		2.02	3.12	3.73			92
2480	MOD C-650S 24' SLIPFORM PAVER W/4' FINISHING CYLINDERS	65 HP	G	50,396	15.17		3.65	5.64	3.73			122
2485	MOD GP-1500 12' SLIPFORM PAVER UNIT 0-51 FT/MIN, CRAWLER MTD	107 HP	D	113,664	26.72		8.23	12.73	2.81			280
2490	MOD GP-2000 16' SLIPFORM PAVER UNIT 0-38 FT/MIN, CRAWLER MTD	145 HP	D	154,508	36.28		11.18	17.30	3.80			340
2495	MOD GP-2500 25' SLIPFORM PAVER UNIT 0-39 FT/MIN, CRAWLER MTD	215 HP	D	210,700	50.07		15.24	23.59	5.64			450
2500	MOD GP-3500 42' SLIPFORM PAVER	325 HP	D	392,391	90.73		28.40	43.95	8.52			880
2505	MOD GP-5000 50' SLIPFORM PAVER	430 HP	D	561,726	128.69		40.65	62.91	11.27			1320
2510	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP	D	127,590	29.29		9.23	14.28	2.62			255
	CONCRETE PLACERS, SHOTCRETE **********											
	ALLENTOWN											
2525	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP	D	25,542	7.04		2.15	3.47	0.46			45
2530	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP	D	29,190	8.37		2.47	3.98	0.77			60
2535	GR600 ROTARY GUN 1-6 CY/HR INCL. HOSE,REQ. 550 CFM COMP.	550CFM	A	8,426	2.32		0.70	1.13	0.00			9

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 PLACERS, SHOTCRETE (CONT'D) **********									
	ALLENTOWN (CONT'D)									
2540	GR1200 ROTARY GUN 4-12 CY/HR 770CFM A INCL. HOSE,REQ. 770 CFM COMP.	16,444	4.47		1.39	2.24	0.00			18
	CONCRETE PUMPS **********									
	MORGEN									
2565	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	56,256	19.65		4.78	7.73	4.25			70
2570	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	148,469	51.76		12.58	20.33	11.05			255
	SCHWING									
2580	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	46,408	15.05		3.95	6.39	2.59			66
2585	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	72,596	25.86		6.13	9.91	5.87			98
2590	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	74,591	26.37		6.31	10.19	5.87			98
2595	MOD BP 3000 TRAILER MTD 127 CY/HR 177 HP D	98,786	33.74		8.39	13.57	6.84			130
2600	MOD BP 5000 TRAILER MTD 151 CY/HR 300 HP D	126,875	46.93		10.78	17.44	11.59			150
2605	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	152,957	50.63		12.86	20.76	9.21			302
2610	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	220,118	67.61		18.57	30.00	9.21			321
2615	MOD BPL1200 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	270,311	84.68		22.79	36.80	12.58			408
	CONCRETE SAWS ********** (SAWBLADE WEAR NOT INCLUDED)									
	FELKER									
2630	MOD 8BCC 5" DEPTH OF CUT 8 HP G	1,686	1.25		0.15	0.23	0.63			3
2635	MOD 12WCC 5" DEPTH OF CUT 12 HP G	2,109	1.77		0.18	0.28	0.95			3
2640	MOD 14TCC 5" DEPTH OF CUT 14 HP G	2,088	1.98		0.18	0.28	1.11			3
2645	MOD 140MR 8" DEPTH OF CUT 14 HP G	4,683	2.62		0.39	0.62	1.11			6
2650	MOD 185MR 8" DEPTH OF CUT 18 HP G	5,942	3.36		0.50	0.79	1.43			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
	CONCRETE SAWS (CONT'D) ********** (SAWBLADE WEAR NOT INCLUDED)									
	FELKER (CONT'D)									
2655	MOD 300MR 8" DEPTH OF CUT 30 HP G	6,723	4.80		0.56	0.89	2.38			7
2660	MOD 350MCA 10" DEPTH OF CUT 35 HP G	9,842	6.09		0.82	1.30	2.77			12
2665	MOD 665MCA 15" DEPTH OF CUT 65 HP G	13,220	10.07		1.10	1.75	5.15			14
	LONGYEAR									
2675	MOD 360-10HM WALL SAW 1700 PSI 10 HP G	10,837	3.72		0.90	1.43	0.79			2
2680	MOD 360-35HM WALL SAW 2500 PSI 35 HP G	12,024	6.63		1.00	1.59	2.77			2
2685	MOD 800WR 5" DEPTH OF CUT 8 HP G	1,266	1.15		0.11	0.17	0.63			2
2690	MOD 815WR 7" DEPTH OF CUT 11 HP G	1,893	1.62		0.16	0.25	0.87			2
2695	MOD 815EB 5" DEPTH OF CUT 5 HP G	2,034	1.03		0.17	0.27	0.40			2
2700	MOD 1800W 5" DEPTH OF CUT 18 HP G	5,948	3.37		0.50	0.79	1.43			5
2705	MOD 3535W 5" DEPTH OF CUT 35 HP G	7,847	5.60		0.65	1.04	2.77			9
2710	MOD 6530-48 21" DEPTH OF CUT 65 HP G	13,180	10.06		1.09	1.74	5.15			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									
2730	DRAGLINE OR CLAMSHELL (LESS BUCKET)	288,753	43.81	51.91	16.95	25.05	2.36	27.64	2.99	814
2735	CRANE 35-T W/65' BOOM	290,592	40.51	46.92	17.07	25.22	1.89	27.81	2.44	803
	MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES									
2745	CRANE 50-T W/75' BOOM	316,547	43.92	50.86	18.58	27.46	1.89	30.30	2.44	962
	MOD 5299-A LIFTING CRANE T/C 125 HP D 17'-6" CRAWLERS W/36" SHOES									
2755	CRANE 60-T W/80' BOOM	330,121	45.92	53.17	19.38	28.64	2.07	31.59	2.67	1088

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	
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) **********									
	AMERICAN - CRAWLER TYPE (CONT'D)									
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2765	DRAGLINE OR CLAMSHELL (LESS BUCKET)	394,536	60.17	71.29	23.16	34.23	3.48	37.76	4.40	1278
2770	CRANE 40-T W/75' BOOM	386,148	54.15	62.78	22.67	33.50	2.78	36.96	3.59	1262
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2780	CRANE 60-T W/80' BOOM	408,998	52.54	59.53	21.96	31.52	2.78	34.00	3.59	1421
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES									
2790	CRANE 100T W/200' BOOM	500,597	63.54	71.88	26.88	38.58	2.78	41.61	3.59	1886
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2800	CRANE 110-T W/200' BOOM	682,298	87.77	99.48	36.62	52.57	4.75	56.71	6.14	2792
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2810	CRANE 125T W/270' BOOM	712,156	91.37	103.51	38.23	54.88	4.75	59.19	6.14	3150
2815	DRAGLINE OR CLAMSHELL (LESS BUCKET)	686,016	95.60	110.57	36.83	52.87	5.94	57.03	7.53	2950
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES									
2825	CRANE 150T W/280' BOOM	771,095	98.46	111.46	41.40	59.43	4.75	64.09	6.14	3400
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES									
2835	CRANE 165T W/290' BOOM	810,399	100.04	111.97	41.48	58.53	4.75	62.45	6.14	3580
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES									
2845	CRANE 225T W/280' BOOM	850,670	104.71	117.16	43.53	61.43	4.75	65.56	6.14	3990

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									
	MOD LS-78 LIFTING CRANE T/C 84 HP D 13'-7" CRAWLERS W/24" SHOES									
2865	CRANE 17.5-T W/40' BOOM	182,564	27.30	32.37	11.56	17.47	1.39	19.70	1.80	506
	MOD LS-98 LIFTING CRANE T/C 110 HP D 15'-0" CRAWLERS W/24" SHOES									
2875	CRANE 25-T W/50' BOOM	205,786	31.09	36.92	13.03	19.69	1.82	22.21	2.35	625
	MOD LS-98 PIPELINER CRANE T/C 112 HP D 15'-7" CRAWLERS W/30" SHOES									
2885	CRANE 30-T W/40' BOOM	231,945	32.75	38.00	13.62	20.13	1.85	22.20	2.40	727
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/30" SHOES									
2900	CRANE 40-T W/50' BOOM	218,139	30.89	35.85	12.81	18.93	1.82	20.88	2.35	772
	MOD LS-108B LIFTING CRANE T/C 110 HP D 15'-0" CRAWLERS W/30" SHOES									
2910	CRANE 45-T W/50' BOOM	271,923	37.96	43.99	15.96	23.59	1.82	26.03	2.35	833
	MOD LS-118 LIFTING CRANE T/C 178 HP D 17'-0" CRAWLERS W/30" SHOES									
2920	CRANE 60-T W/80' BOOM	344,865	45.04	51.14	18.52	26.58	2.95	28.66	3.81	1232
	MOD LS-318 LIFTING CRANE T/C 208 HP D 17'-0" CRAWLERS W/32" SHOES									
2930	CRANE 80-T W/150' BOOM	408,945	53.33	60.57	21.95	31.51	3.44	33.99	4.45	1445
	MOD LS-338 LIFTING CRANE T/C 208 HP D 20'-0" CRAWLERS W/38" SHOES									
2940	CRANE 100-T W/200' BOOM	507,607	65.20	73.87	27.25	39.12	3.44	42.19	4.45	1865
	MOD LS-418A LIFTING CRANE T/C 245 HP D 22'-4" CRAWLERS W/38" SHOES									
2950	CRANE 117-T W/230' BOOM	592,328	76.13	86.26	31.80	45.65	4.06	49.24	5.24	2235

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) **********									
	LINK BELT - CRAWLER TYPE (CONT'D)									
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W-44" SHOES									
2960	CRANE 150-T W/250' BOOM	724,288	91.98	104.05	38.89	55.82	4.06	60.20	5.24	2826
	MOD LS-718 LIFTING CRANE T/C 450 HP D 30'-0" CRAWLERS W/50" SHOES									
2970	CRANE 250-T W/290' BOOM	989,027	124.13	139.31	50.61	71.42	7.45	76.22	9.63	4388
	MOD LS-818 LIFTING CRANE T/C 450 HP D 31'-5" CRAWLERS W/50" SHOES									
2980	CRANE 300-T W/310' BOOM	1,252,120	154.70	173.18	64.07	90.42	7.45	96.49	9.63	5069
	MOD LS-918 LIFTING CRANE T/C 600 HP D 34'-10" CRAWLERS W/60" SHOES									
2990	CRANE 400-T W/340' BOOM	2,062,296	251.89	281.48	105.53	148.92	9.94	158.92	12.83	6783
	MOD LS-1018 LIFTING CRANE T/C 600 HP D 38'-8" CRAWLERS W/60" SHOES									
3000	CRANE 500-T W/340' BOOM	2,468,901	299.12	333.85	126.33	178.28	9.94	190.26	12.83	8021
	MANITOWOC - CRAWLER TYPE									
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES									
3015	DRAGLINE OR CLAMSHELL (LESS BUCKET)	489,475	70.28	81.52	26.28	37.72	5.94	40.69	7.53	2306
3020	CRANE 100T W/210' BOOM	538,707	70.53	80.13	28.92	41.51	4.75	44.78	6.14	2354
	MOD 3900W VICON SER2 T/C 300 HP D 24'-0" CRAWLERS W/48" SHOES									
3030	CRANE 140T W/250' BOOM	636,371	82.52	93.64	34.16	49.04	4.97	52.90	6.42	2815
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
3040	DRAGLINE OR CLAMSHELL (LESS BUCKET)	823,903	115.20	133.26	44.24	63.50	7.45	68.48	9.44	3788
3045	CRANE 200T W/260' BOOM	885,335	110.24	123.56	45.30	63.93	5.96	68.23	7.70	3929

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									
3055	CRANE 240T W/260' BOOM	1,310,142	166.26	186.88	67.04	94.61	11.34	100.96	14.65	5200
3060	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,296,691	178.28	204.15	66.36	93.64	14.18	99.92	17.96	5100
	NORTHWEST - CRAWLER TYPE									
	MOD 50-D/5030 1.0 CY 190 HP D 15'-4" CRAWLERS W/30" SHOES									
3075	DRAGLINE OR CLAMSHELL (LESS BUCKET)	253,733	46.21	56.96	16.81	25.71	3.93	29.40	4.98	930
3080	CRANE 30-T W/40' BOOM	231,419	34.23	39.91	13.59	20.08	3.15	22.15	4.06	869
	MOD 50-D/5035 1.25 CY 190 HP D 15'-4" CRAWLERS W/30" SHOES									
3090	DRAGLINE OR CLAMSHELL (LESS BUCKET)	265,278	42.37	50.36	15.58	23.02	3.93	25.39	4.98	932
3095	CRANE 35-T W/50' BOOM	241,806	35.60	41.49	14.20	20.98	3.15	23.15	4.06	872
	MOD 50-D/5050 2.0 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES									
3105	DRAGLINE OR CLAMSHELL (LESS BUCKET)	307,323	49.53	58.92	18.04	26.66	4.93	29.42	6.24	957
3110	CRANE 50-T W/60' BOOM	305,810	44.97	52.41	17.95	26.53	3.94	29.27	5.09	952
	MOD 70-D/7060 2.5 CY T/C 238 HP D 19'-0" CRAWLERS W/33" SHOES									
3120	DRAGLINE OR CLAMSHELL (LESS BUCKET)	380,759	59.96	71.19	22.36	33.04	4.93	36.44	6.24	1425
3125	CRANE 60-T W/50' BOOM	373,876	49.73	56.62	20.07	28.81	3.94	31.08	5.09	1403
	MOD 70-D/7080 3.5 CY T/C 238 HP D 19'-0" CRAWLERS W/33" SHOES									
3135	DRAGLINE OR CLAMSHELL (LESS BUCKET)	418,460	59.90	69.44	22.47	32.25	4.93	34.78	6.24	1497
3140	CRANE 80-T W/160' BOOM	432,868	56.82	64.58	23.24	33.36	3.94	35.98	5.09	1524

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									
3150	SHOVEL	486,299	94.74	116.83	32.22	49.27	6.35	56.34	8.35	1510
3155	DRAGLINE OR CLAMSHELL (LESS BUCKET)	418,965	65.99	78.38	24.60	36.35	5.44	40.10	6.90	1274
3160	CRANE 40-T W/50' BOOM	412,045	59.45	69.15	24.19	35.75	4.36	39.44	5.63	1267
	MOD 9570-WT 4.0 CY T/C 304 HP D 19'-0" CRAWLERS W/38" SHOES									
3170	DRAGLINE OR CLAMSHELL (LESS BUCKET)	460,725	67.00	77.80	24.73	35.50	6.29	38.30	7.97	1580
3175	CRANE 60-T W/50' BOOM	453,859	60.67	69.13	24.36	34.97	5.03	37.73	6.50	1565
	MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES									
3185	SHOVEL	772,873	148.80	183.34	51.20	78.30	8.65	89.54	11.36	2571
3190	DRAGLINE OR CLAMSHELL (LESS BUCKET)	663,169	94.44	109.46	35.61	51.11	7.41	55.13	9.39	2365
3195	CRANE 97.5-T W/170' BOOM	690,855	90.23	102.49	37.08	53.23	5.93	57.42	7.66	2464
	MOD 190-D WT SERIES 3 T/C 456 HP D 21'-1" CRAWLERS W/54" SHOES									
3205	DRAGLINE 6.5 CY (LESS BUCKET)	714,754	100.28	115.09	36.57	51.61	9.44	55.08	11.96	2740
3210	CRANE 100-T W/170' BOOM	748,074	99.10	112.77	40.16	57.65	7.55	62.18	9.75	2872
	MOD 1200-C T/C 525 HP D 21'-10" CRAWLERS W/48" SHOES									
3220	CRANE 150-T W/240' BOOM	625,381	85.74	98.03	33.57	48.19	8.69	51.99	11.23	2822
	P & H - CRAWLER TYPE									
	MOD 320H .75 CY T/C 93 HP D 13'-7" CRAWLERS W/30" SHOES									
3235	DRAGLINE OR CLAMSHELL (LESS BUCKET)	135,353	24.43	30.10	8.97	13.71	1.93	15.68	2.44	580
3240	CRANE 25-T W/50' BOOM	136,265	21.03	25.03	8.63	13.04	1.54	14.71	1.99	610

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) **********									
	P & H - CRAWLER TYPE (CONT'D)									
	MOD C-65 2.00 CY T/C 130 HP D 18'-2" CRAWLERS W/30" SHOES									
3255	DRAGLINE OR CLAMSHELL (LESS BUCKET)	302,108	46.10	54.64	17.74	26.21	2.69	28.92	3.41	1171
3260	CRANE 65-T W/180' BOOM	324,040	41.55	47.09	17.40	24.97	2.15	26.94	2.78	1352
	MOD 5100 3 CY T/C 188 HP D 21'-6" CRAWLERS W/36" SHOES									
3275	DRAGLINE OR CLAMSHELL (LESS BUCKET)	470,578	65.35	75.55	25.26	36.26	3.89	39.12	4.93	1485
3280	CRANE 100-T W/210' BOOM	522,370	66.56	75.33	28.05	40.26	3.11	43.42	4.02	1880
	MOD C-120 4 CY T/C 260 HP D 24'-0" CRAWLERS W/36" SHOES									
3290	DRAGLINE OR CLAMSHELL (LESS BUCKET)	504,458	71.53	82.87	27.09	38.88	5.38	41.94	6.82	2203
3295	CRANE 120-T W/230' BOOM	532,518	69.25	78.58	28.59	41.04	4.31	44.26	5.56	2340
	MOD C-165 5 CY T/C 260 HP D 26'-3" CRAWLERS W/42" SHOES									
3305	DRAGLINE OR CLAMSHELL (LESS BUCKET)	656,784	91.13	105.37	35.26	50.61	5.38	54.59	6.82	2510
3310	CRANE 165-T W/270' BOOM	719,098	88.88	99.50	36.80	51.93	4.31	55.42	5.56	3333
	MOD DELTA 5250 LIFTING CRANE T/C 328 HP D 30'-5" CRAWLERS W/48" SHOES									
3320	CRANE 250-T W/290' BOOM	1,029,762	126.36	141.30	52.70	74.37	5.43	79.35	7.02	4373
	CRANES, HYDRAULIC SELF-PROPELLED **********									
	BRODERSON									
3335	MOD IC-80-18 8.5 TON 64 HP D	52,967	9.12		2.99	4.35	1.68			150
3340	MOD RTR-80-3B 9 TON 97 HP D	67,958	12.21		3.83	5.58	2.54			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									
3350	MOD RT58A 14 TON 130 HP D	117,680	20.20		6.57	9.54	3.41			420
3355	MOD RT515 15 TON 115 HP D	125,023	20.63		6.99	10.15	3.02			425
3360	MOD RT518 18 TON 115 HP D	140,825	22.86		7.85	11.39	3.02			452
3365	MOD RT520 20 TON 115 HP D	148,963	23.91		8.31	12.07	3.02			469
3370	MOD RT522 22 TON 115 HP D	154,122	24.59		8.59	12.48	3.02			498
3375	MOD RT625 25 TON 156 HP D	205,803	32.33		11.49	16.70	4.09			560
3380	MOD RT630 30 TON 156 HP D	213,672	34.06		11.90	17.28	4.09			580
3385	MOD RT635 35 TON 160 HP D	219,179	34.91		12.22	17.74	4.20			600
3390	MOD RT745 45 TON 198 HP D	284,544	45.17		15.81	22.94	5.19			785
3395	MOD RT760 60 TON 198 HP D	339,657	52.85		18.84	27.31	5.19			855
3400	MOD RT865 65 TON 208 HP D	417,980	63.44		23.26	33.75	5.45			1100
3405	MOD RT990 90 TON 280 HP D	546,228	83.62		30.31	43.94	7.34			1360
3410	MOD RT1650 165 TON 512 HP D	1,019,308	155.65		56.56	82.01	13.42			2400
	LORAIN									
3420	MOD LRT150 15 TON 114 HP D	121,585	20.12		6.80	9.88	2.99			438
3425	MOD LRT180 18 TON 121 HP D	138,091	22.46		7.73	11.25	3.17			450
3430	MOD LRT200 20 TON 121 HP D	144,452	23.32		8.09	11.76	3.17			470
3435	MOD LRT230 23 TON 121 HP D	150,651	24.32		8.41	12.21	3.17			490
3440	MOD LRT250 25 TON 121 HP D	160,658	25.59		8.97	13.03	3.17			510
3445	MOD LRT275 27.5 TON 121 HP D	165,638	26.24		9.25	13.45	3.17			520
3450	MOD LRT330 33 TON 180 HP D	200,485	33.10		11.17	16.22	4.72			570
	P & H									
3460	MOD OMEGA 115 15 TON 128 HP D	141,655	23.21		7.92	11.52	3.36			437
3465	MOD OMEGA 118 18 TON 128 HP D	143,106	23.41		8.01	11.65	3.36			439
3470	MOD OMEGA 120 20 TON 128 HP D	151,333	24.46		8.48	12.33	3.36			440
3475	MOD OMEGA 122 22 TON 128 HP D	152,600	24.63		8.55	12.44	3.36			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	OWT
	CRANES, HYD SELF-PROPELLED (CONT'D) **********									
	P & H (CONT'D)									
3480	MOD OMEGA 25 25 TON 155 HP D	188,654	30.36		10.57	15.37	4.06			540
3485	MOD OMEGA 30 30 TON 155 HP D	194,186	31.07		10.88	15.83	4.06			550
3490	MOD OMEGA 35 35 TON 155 HP D	200,737	31.90		11.25	16.37	4.06			560
3495	MOD OMEGA 40 40 TON 202 HP D	269,670	43.41		14.97	21.71	5.30			760
3500	MOD OMEGA 45 45 TON 202 HP D	279,087	44.84		15.47	22.41	5.30			770
3505	MOD OMEGA 50 50 TON 202 HP D	289,445	46.17		16.05	23.27	5.30			780
3510	MOD OMEGA 65 65 TON 235 HP D	370,717	58.28		20.56	29.81	6.16			980
	PETTIBONE									
3520	MOD 16 MK P SERIES 8 TON 118 HP D	103,608	17.63		5.83	8.49	3.09			286
3525	MOD 20 MK P SERIES 10 TON 118 HP D	106,972	18.14		6.01	8.75	3.09			302
3530	MOD 25 MK P SERIES 12.5 TON 118 HP D	110,713	18.62		6.22	9.06	3.09			458
3535	MOD 36 MK P SERIES 18 TON 118 HP D	128,401	21.17		7.18	10.43	3.09			494
3540	MOD 45-SC P SERIES 22.5 TON 176 HP D	141,366	24.80		7.91	11.50	4.61			560
3545	MOD 80-SC P SERIES 40 TON 176 HP D	236,043	38.19		13.06	18.91	4.61			862
3550	MOD 100-SC 50 TON 188 HP D	291,365	45.71		16.20	23.51	4.93			1050
3555	MOD 130-SC P SERIES 65 TON 212 HP D	329,351	52.20		18.22	26.38	5.56			1050
	CRANES, HYDRAULIC TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRIER)									
	GROVE									
3570	TMS250C 35 TON W/110' BOOM 183 HP D	217,526	30.79	35.77	11.59	16.58	4.80	17.88	6.31	514
3575	TMS300B 40 TON W/136' BOOM 205 HP D	263,556	36.93	42.83	14.01	20.02	5.38	21.58	7.07	725
3580	TMS475 50 TON W/140' BOOM 213 HP D	305,449	41.87	48.44	16.26	23.25	5.58	25.05	7.35	776
3585	TMS760 60 TON W/150' BOOM 251 HP D	360,344	49.28	56.99	19.19	27.46	6.58	29.60	8.66	881
3590	TMS875 75 TON W/146' BOOM 278 HP D	404,860	54.51	62.60	20.48	28.76	7.29	30.67	9.59	1032
3595	TM890 90 TON W/146' BOOM 188/268 HP D/D	464,586	59.83	67.94	23.55	33.10	6.44	35.30	8.25	1209
3600	TM1300 130 TON W/172' BOOM 196/335 HP D/D	735,739	89.11	99.84	35.78	49.50	7.03	52.35	8.97	1719

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, HYDRAULIC TRUCK MTD (CONT'D) ********** (HP & FUEL LISTED EQUIP/CARRIER)									
	GROVE (CONT'D)									
3605	TM1500 150 TON W/174' BOOM 196/391 HP D/D	869,260	103.65	115.80	42.35	58.62	7.34	61.99	9.33	1960
	LINK BELT (FMC)									
3615	HTC-814 14 TON W/80' BOOM 200 HP D	193,635	31.03	36.94	11.26	16.58	5.24	18.29	6.90	482
3620	HTC-825 25 TON W/80' BOOM 225 HP D	200,499	32.75	39.06	11.66	17.17	5.90	18.94	7.76	499
3625	HTC-830 30 TON W/80' BOOM 225 HP D	208,425	31.15	36.46	11.11	15.89	5.90	17.12	7.76	505
3630	HTC-835 35 TON W/101' BOOM 225 HP D	219,505	32.38	37.85	11.69	16.73	5.90	18.04	7.76	525
3635	HTC-840 40 TON W/110' BOOM 238 HP D	255,999	37.13	43.28	13.61	19.45	6.24	20.96	8.21	650
3640	HTC-1055 55 TON W/120' BOOM 238 HP D	320,470	44.34	51.36	17.06	24.40	6.24	26.31	8.21	662
	P & H									
3650	OMEGA T-250 25 TON W/80' BOOM 210 HP D	193,706	31.42	37.42	11.27	16.59	5.51	18.29	7.24	492
3655	OMEGA T-300 30 TON W/100' BOOM 210 HP D	206,859	30.49	35.61	11.02	15.76	5.51	16.99	7.24	523
3660	OMEGA T-350 35 TON W/110' BOOM 210 HP D	212,636	31.13	36.34	11.32	16.20	5.51	17.47	7.24	525
3665	OMEGA T-400 40 TON W/106' BOOM 225 HP D	274,435	38.93	45.27	14.57	20.82	5.90	22.44	7.76	730
3670	OMEGA T-450 45 TON W/140' BOOM 225 HP D	291,762	40.85	47.44	15.50	22.15	5.90	23.88	7.76	758
3675	OMEGA T-500 50 TON W/140' BOOM 225 HP D	302,276	42.03	48.75	16.06	22.96	5.90	24.75	7.76	760
3680	OMEGA T-650 66 TON W/147' BOOM 335 HP D	358,138	50.94	58.96	18.15	25.51	8.78	27.21	11.56	900
	PETTIBONE									
3690	50TKLSPC 25 TON W/98' BOOM 233 HP D	204,284	33.46	39.90	11.90	17.53	6.11	19.33	8.04	500
3695	80TKLS 40 TON W/144' BOOM 244 HP D	259,297	37.70	43.97	13.78	19.70	6.40	21.23	8.42	740
3700	110 TK P 55 TON W/114' BOOM 238 HP D	280,638	39.88	46.38	14.92	21.34	6.24	23.01	8.21	825
3705	140 TK P 70 TON W/116' BOOM 322 HP D	352,237	50.10	57.96	17.82	25.02	8.44	26.68	11.11	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									
3720	5470 65 TON W/170' BOOM 115/238 HP D/D	430,328	54.80	62.49	22.85	32.66	4.36	35.20	5.53	1175
3725	5530 75 TON W/170' BOOM 115/238 HP D/D	438,356	54.37	61.37	22.21	31.21	4.36	33.28	5.53	1245
3730	7460 90 TON W/200' BOOM 213/230 HP D/D	539,292	68.48	77.69	27.37	38.49	6.88	41.06	8.86	1503
3735	7530 125 TON W/220' BOOM 213/350 HP D/D	579,530	74.00	83.91	29.38	41.30	7.56	44.05	9.65	1696
3740	8460 165 TON W/240' BOOM 268/350 HP D/D	830,690	100.95	113.22	40.55	56.19	9.00	59.44	11.55	2320
3745	9530 220 TON W/260' BOOM 268/500 HP D/D	1,169,757	139.71	156.16	56.94	78.80	9.85	83.33	12.54	3480
	LINK BELT (FMC)									
3755	HC78B 35 TON W/100' BOOM 84/197 HP D/D	275,977	35.77	40.86	14.66	20.95	3.31	22.58	4.19	773
3760	HC108C 50 TON W/150' BOOM 110/238 HP D/D	366,475	47.51	54.28	19.42	27.73	4.23	29.89	5.36	1197
3765	HC138A 75 TON W/200' BOOM 165/318 HP D/D	449,162	57.75	65.50	22.76	31.98	6.12	34.11	7.78	1304
3770	HC218A 100 TON W/220' BOOM 165/318 HP D/D	525,412	66.14	74.82	26.64	37.45	6.12	39.94	7.78	1688
3775	HC238B 140 TON W/230' BOOM 171/318 HP D/D	645,283	77.90	87.20	31.45	43.54	6.28	46.05	7.99	2220
3780	HC268 225 TON W/310' BOOM 314/440 HP D/D	996,887	121.53	136.34	48.59	67.28	10.71	71.16	13.73	2852
	LORAIN									
3790	MC790 90 TON W/220' BOOM 210/270 HP D/D	491,185	63.75	72.50	24.86	34.92	7.03	37.24	9.02	1594
3795	MC1115 115 TON W/230' BOOM 210/301 HP D/D	534,569	68.67	77.98	27.09	38.06	7.20	40.59	9.23	1749
3800	MC1400 140 TON W/230' BOOM 210/301 HP D/D	597,646	74.00	83.23	29.10	40.28	7.20	42.61	9.23	1950
3805	MC1650 165 TON W/250' BOOM 220/315 HP D/D	732,503	88.94	99.67	35.69	49.41	7.54	52.26	9.66	2614
	P & H									
3815	9070 70 TON W/180' BOOM 140/335 HP D/D	388,569	50.11	56.79	19.72	27.73	5.56	29.57	7.03	1115
3820	790BTC 90 TON W/200' BOOM 160/350 HP D/D	524,597	66.29	75.00	26.58	37.34	6.17	39.82	7.82	1606
3825	9150 150 TON W/270' BOOM 210/350 HP D/D	688,678	84.00	94.20	33.58	46.50	7.48	49.18	9.55	1805
3830	6250TC 300 TON W/320' BOOM 364/450 HP D/D	1,461,208	172.48	192.62	71.39	98.95	12.08	104.67	15.52	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)									
3850	7-S16 TOWER SECTS=103 FT HIGH	286,747	44.46		15.32	21.60	2.92			740
	OPT. 14'9-1/4" S16 TOWER SECT									
3860	ADD TO BASIC CRANE FOR EA SECT	12,259	1.49		0.66	0.93	0.00			51
3865	TOP CLIMBING OPT. ADD TO BASIC	46,033	5.59		2.46	3.47	0.00			118
	MODEL SK200 FREE STANDING 105 HP E 10600# @ 143' RADIUS (L-2)									
3875	7-S16 TOWER SECTS=103 FT HIGH	360,933	56.76		19.28	27.19	5.12			883
	14'9-1/4" S16 TOWER SECTION									
3885	ADD TO BASIC CRANE FOR EA SECT	12,259	1.49		0.66	0.93	0.00			51
3890	TOP CLIMBING OPT. ADD TO BASIC	46,033	5.59		2.46	3.47	0.00			118
	MODEL SK400 FREE STANDING 105 HP E 18500# @ 162' RADIUS (L-2)									
3900	6-S35 TOWER SECTS=116 FT HIGH	440,978	66.47		23.56	33.22	5.12			1216
	OPT. 19'4-1/4" S35 TOWER SECT.									
3910	ADD TO BASIC CRANE FOR EA SECT	15,356	1.86		0.82	1.15	0.00			84
3915	TOP CLIMBING OPT. ADD TO BASIC	46,854	5.68		2.51	3.53	0.00			223
	MODEL SK560 FREE STANDING 165 HP E 24500# @ 170' RADIUS (L-2)									
3925	6-S213 TOWER SECTS=116 FT HIGH	509,967	79.21		27.24	38.41	8.04			1547
	OPT. 19'4-1/4" S213 TOWER SECT									
3935	ADD TO BASIC CRANE FOR EA SECT	16,292	1.97		0.87	1.22	0.00			100
3940	TOP CLIMBING OPT. ADD TO BASIC	90,574	10.98		4.84	6.82	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									
3950	6-S35 TOWER SECTS=116 FT HIGH	537,076	82.51		28.69	40.46	8.04			2152
	OPT. 19'4-1/4" S35 TOWER SECT									
3960	ADD TO BASIC CRANE FOR EA SECT	15,356	1.86		0.82	1.15	0.00			84
3965	TOP CLIMBING OPT. ADD TO BASIC	95,520	11.59		5.11	7.20	0.00			159
	DRILLS, BLAST HOLE, CRAWLER MTD **********									
	GARDNER DENVER									
3980	AT3100B/PR55 3.5" HOLE 12' FEED 600CFM A	65,754	14.10		4.77	7.38	0.00			92
3985	AT3100B/PR123J 4.0" HOLE 12' FEED 750CFM A	69,549	14.86		5.04	7.80	0.00			91
3990	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	72,283	15.42		5.24	8.11	0.00			93
3995	AT3800A/PR55 ANGLE DRILL 600CFM A 3.5" HOLE 20' FEED	81,929	17.43		5.94	9.20	0.00			123
4000	ATD3800A/PR123J ANGLE DRILL 750CFM A 4.0" HOLE 20' FEED	85,745	18.19		6.21	9.62	0.00			124
4005	AT3800A/PR66 ANGLE DRILL 900CFM A 4.0" HOLE 20' FEED	88,466	18.75		6.41	9.93	0.00			125
4010	SCH3500BV HYDRAULIC DRILL 223 HP D 2.5" HOLE 12' FEED	216,638	54.56		15.69	24.30	7.23			125
4015	HYDR. RING DRILL JUMBO 5'FEED 75 HP E 3.5" HOLE,HPR1 DRILL & MOD1 POWER	160,824	40.54		11.65	18.04	4.50			144
	INGERSOLL-RAND									
4025	ECM350/VL140 3.5" HOLE 12' FEED 750CFM A	78,034	16.59		5.66	8.76	0.00			129
4030	ECM350/VL671 4.0" HOLE 12' FEED 900CFM A	85,091	18.06		6.17	9.55	0.00			131
4035	ECM 450Y 3.0" HOLE 12' FEED 100 HP D	117,373	27.77		8.50	13.17	3.24			188

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, BLAST HOLE, CRLR MTD (CONT'D) **********									
	SULLIVAN									
4045	MAVRICK/VCR350 2.5" HOLE 12' FEED 450CFM A	44,708	9.54		3.24	5.02	0.00			60
4050	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	68,228	14.61		4.95	7.66	0.00			100
4055	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	80,247	17.04		5.81	9.00	0.00			144
4060	MUSTANG VCR280 5.0" HOLE 20' FEED1200CFM A	99,183	20.97		7.19	11.13	0.00			184
4065	STALLION JH-6 5.5" HOLE 20' FEED 165 HP D	213,622	49.86		15.48	23.97	5.35			300
	DRILLS, CORE, COLUMN MOUNTED **********									
	ACKER									
4080	MOD 610-E 4" DIA. MAX 1 HP E	2,010	0.70		0.15	0.23	0.06			1
4085	MOD 930-E 9" DIA. MAX 2 HP E	2,470	0.92		0.18	0.28	0.12			2
4090	MOD 1050-E 10" DIA. MAX 3 HP E	3,978	1.37		0.29	0.45	0.18			3
4095	MOD 1080-E 10" DIA. MAX 11 HP E	9,086	3.79		0.66	1.02	0.66			6
	LONGYEAR									
4105	MOD 752 DRILL W/E4-230 MOTOR 3 HP E	3,313	1.13		0.24	0.37	0.18			2
4110	MOD 42N DRILL W/A4-350 MOTOR 165CFM A	3,545	1.12		0.26	0.40	0.00			3
	DRILLS, CORE, SKID MOUNTED **********									
	ACKER									
4125	TEREDO MARK-II NX 1000' MAX 44 HP D	34,990	8.84		2.53	3.92	1.43			45
4130	ACE MODEL C NX 400' MAX 20 HP D	24,241	5.72		1.76	2.72	0.65			35
4135	BUSH MASTER NX 900' MAX 48 HP D	41,768	10.38		3.02	4.68	1.56			45
	SPRAGUE AND HENWOOD									
4150	MOD 37-H NX 400' MAX 18 HP G	17,641	5.04		1.28	1.98	1.27			18
4155	MOD 40-CL NX 1050' MAX 49 HP D	27,316	7.49		1.98	3.06	1.59			27

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, ROTARY **********									
	GARDNER-DENVER									
4170	MOD RDC-16B 3" TO 5 1/8" 131 HP D	163,650	29.56		9.52	13.86	4.25			310
4175	MOD GD-25/35C 6" TO 8 3/4" 250 HP D	225,410	43.83		13.12	19.09	8.11			600
4180	MOD GD-45C 6 3/4" TO 10 5/8" 325 HP D	355,464	66.03		20.69	30.11	10.54			775
4185	MOD GD-100 9 7/8" TO 15" 626 HP E	712,019	115.86		36.36	50.52	32.86			2110
4190	MOD GD-120 3 7/8" TO 17 1/2" 684 HP E	877,695	135.92		44.83	62.28	35.91			2910
	INGERSOLL-RAND									
4200	MOD DM-25 6 3/4" DRILLMASTER CRWL. MOUNTED 210 HP D	242,793	44.56		14.13	20.57	6.81			500
4205	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED 304 HP D	319,722	61.04		18.49	26.84	9.86			550
4210	MOD TH-60 WATER WELL DRILL TRK. MOUNTED 435 HP D	296,983	63.28		17.20	24.98	14.11			460
	ROBBINS									
4220	RRT 35 TK MTD 6-1/4" TO 8-0" 335/225 HP D/D	326,677	65.04		18.90	27.44	12.13			600
4225	RRT 50 TK MTD 6 3/4" TO 9" 335 HP D	475,339	85.40		27.48	39.89	10.86			860
4230	RRT 60 TK MTD 6 3/4" TO 9 7/8" 350 HP D	537,727	95.10		31.10	45.17	11.35			960
4235	RR10S ON D9H 6 3/4" TO 9" 410 HP D	390,040	74.83		22.70	33.04	13.30			1160
4240	RR10HD ON D9H 6 3/4" TO 10 5/8" 410 HP D	452,625	83.91		26.35	38.35	13.30			1340
4245	RR10XHD ON 41B 9 7/8" TO 12 1/4" 524 HP D	625,913	95.07		31.97	44.42	16.99			1830
4250	RR12E CRLR MTD 9" TO 12 1/4" 725/450 HP E/E	1,153,623	210.52		58.92	81.86	68.44			2605
	FORK LIFTS **********									
	CATERPILLAR									
	LC = LOAD CENTER									
4270	M20 ELECT 2000# @ 24" LC 18 HP E	17,225	4.46		1.23	1.90	0.88			54
4275	M25 ELECT 2500# @ 24" LC 18 HP E	17,322	4.47		1.24	1.91	0.88			54
4280	MC30 ELECT 3000# @ 24" LC 18 HP E	18,317	4.65		1.31	2.01	0.88			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)									
4285	M40B ELECT 4000# @ 24" LC 32 HP E	24,486	6.77		1.75	2.69	1.56			95
4290	M50B ELECT 5000# @ 24" LC 32 HP E	24,967	6.87		1.79	2.75	1.56			102
4295	MC60B ELECT 6000# @ 24" LC 47 HP E	27,452	8.38		1.97	3.03	2.29			123
4300	M70B ELECT 7000# @ 24" LC 53 HP E	34,255	10.07		2.44	3.76	2.58			134
4305	M80B ELECT 8000# @ 24" LC 53 HP E	35,823	10.34		2.56	3.94	2.58			142
4310	M100B ELECT 10000# @ 24" LC 53 HP E	37,304	10.61		2.68	4.13	2.58			160
4315	V30D GAS 3000# @ 24" LC 37 HP G	17,102	5.77		1.23	1.90	2.12			37
4320	V40C GAS 4000# @ 24" LC 48 HP G	21,588	7.43		1.54	2.36	2.76			41
4325	V50C GAS 5000# @ 24" LC 48 HP G	22,035	7.54		1.54	2.36	2.76			45
4330	V60E GAS 6000# @ 24" LC 63 HP G	30,504	10.13		2.17	3.34	3.62			52
4335	V70E GAS 7000# @ 24" LC 63 HP G	30,835	10.20		2.20	3.38	3.62			56
4340	V80E GAS 8000# @ 24" LC 63 HP G	32,066	10.42		2.28	3.51	3.62			59
4345	V110 DIESEL 11000# @ 24" LC 66 HP D	47,135	10.87		3.35	5.16	1.73			82
4350	V150 DIESEL 15000# @ 24" LC 70 HP D	50,700	11.65		3.61	5.56	1.84			92
4355	V180B DIESEL 18000# @ 24" LC 125 HP D	67,189	16.56		4.74	7.28	3.28			114
4360	V200B DIESEL 20000# @ 24" LC 125 HP D	74,406	17.89		5.27	8.09	3.28			124
4365	V250B DIESEL 25000# @ 24" LC 125 HP D	78,147	18.58		5.53	8.50	3.28			154
4370	V300B DIESEL 30000# @ 24" LC 125 HP D	84,284	19.76		5.94	9.12	3.28			165
4375	R40 DIESEL 4000# @ 24" LC 68 HP D	30,897	7.94		2.18	3.35	1.78			107
4380	R50 DIESEL 5000# @ 24" LC 68 HP D	31,548	8.06		2.23	3.42	1.78			112
4385	R60 DIESEL 6000# @ 24" LC 68 HP D	37,860	9.22		2.69	4.13	1.78			128
4390	R80 DIESEL 8000# @ 24" LC 68 HP D	39,318	9.55		2.75	4.21	1.78			138
	HYSTER - CHALLENGER									
4400	H30XL 3000# @ 24" LC 63 HP G	16,647	7.59		1.18	1.80	3.62			58
4405	H60XL 6000# @ 24" LC 80 HP G	23,989	10.15		1.71	2.62	4.59			91
4410	H110F 11000# @ 24" LC 116 HP G	47,273	17.00		3.38	5.20	6.66			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)									
4415	H150H 15000# @ 24" LC 127 HP G	64,550	21.06		4.55	6.98	7.29			234
4420	H200HS20000# @ 24" LC PS 127 HP G	75,351	23.05		5.33	8.19	7.29			256
4425	H250H 25000# @ 24" LC PS 127 HP G	75,533	23.09		5.32	8.16	7.29			295
4430	H300B 30000# @ 24" LC PS 127 HP G	81,435	24.16		5.77	8.87	7.29			360
4435	H460CS46000# @ 36" LC PS 190 HP G	167,914	44.70		11.90	18.29	10.91			590
	GENERATOR SETS, ELECTRIC **********									
	CATERPILLAR T = TURBOCHARGED TA = TURBOCHARGED AFTER COOLED									
	SKID MOUNTED									
4455	MOD 3304B-T 240/480V 100 KW 148 HP D	17,210	8.52	10.77	1.47	2.37	3.88	2.64	5.11	37
4460	MOD 3306B-T 240/480V 125 KW 187 HP D	22,559	10.94	13.81	1.92	3.10	4.90	3.46	6.45	46
4465	MOD 3306B-TA 240/480V 150 KW 220 HP D	24,329	12.40	15.66	2.07	3.35	5.77	3.72	7.59	48
4470	MOD 3406B-T 240/480V 200 KW 290 HP D	26,111	15.05	19.12	2.22	3.59	7.60	4.00	10.00	57
4475	MOD 3406B-TA 240/480V 250 KW 370 HP D	29,887	18.47	23.51	2.54	4.11	9.70	4.58	12.76	59
4480	MOD 3408B-T 240/480V 255 KW 370 HP D	35,481	19.68	24.94	3.02	4.88	9.70	5.43	12.76	77
4485	MOD 3408B-TA 240/480V 310 KW 450 HP D	39,580	23.17	29.43	3.37	5.45	11.80	6.06	15.52	81
4490	MOD 3412-T 240/480V 355 KW 500 HP D	47,862	26.58	33.70	4.07	6.58	13.11	7.33	17.25	91
4495	MOD 3412-TA 240/480V 455 KW 650 HP D	65,008	35.14	44.53	5.53	8.94	17.04	9.96	22.42	102
4500	MOD 3508 240/480V 600 KW 845 HP D	86,646	46.16	58.44	7.37	11.92	22.16	13.27	29.15	140
4505	MOD 3512 240/480V 900 KW 1250 HP D	117,847	66.05	83.78	10.02	16.21	32.77	18.04	43.12	202
4510	MOD 3516 480V 1100 KW 1450 HP D	154,732	80.51	101.82	13.16	21.29	38.02	23.69	50.02	256
	KOHLER									
4520	2.25MEM25 PORTABLE 2.25 KW 5 HP G	849	0.55	0.68	0.08	0.12	0.29	0.13	0.37	1
4525	3.5MM65 PORTABLE 3.50 KW 8 HP G	1,338	0.85	1.08	0.11	0.18	0.46	0.20	0.60	2
4530	5MM65 PORTABLE 5.00 KW 12 HP G	1,737	1.24	1.57	0.15	0.24	0.69	0.27	0.90	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									
4545	120/240V 2.5 KW 6 HP G	1,533	0.75	0.95	0.13	0.21	0.34	0.23	0.45	2
4550	120/240V 6.5 KW 14 HP G	3,452	1.73	2.18	0.29	0.47	0.80	0.52	1.05	3
4555	120/240V 10.0 KW 20 HP G	3,773	2.24	2.82	0.32	0.52	1.15	0.57	1.50	4
4560	120/240V 3.0 KW 6 HP D	3,996	1.06	1.29	0.34	0.55	0.16	0.61	0.21	4
4565	120/240V 6.0 KW 12 HP D	5,303	1.53	1.88	0.45	0.73	0.31	0.82	0.41	5
4570	120/240V 12.0 KW 22 HP D	7,633	2.37	2.90	0.65	1.05	0.58	1.17	0.76	7
4575	120/240V 15 KW 27 HP D	7,826	2.56	3.16	0.66	1.07	0.71	1.20	0.93	14
4580	120/240V 30 KW 63 HP D	11,608	4.56	5.67	0.99	1.60	1.65	1.77	2.17	19
4585	120/240V 45 KW 87 HP D	15,350	6.14	7.67	1.31	2.11	2.28	2.35	3.00	25
4590	120/240V 60 KW 102 HP D	17,640	7.11	8.90	1.50	2.42	2.67	2.70	3.52	26
4595	120/240V 75 KW 162 HP D	20,991	9.80	12.32	1.79	2.89	4.25	3.21	5.59	30
4600	120/240V 90 KW 162 HP D	21,994	10.01	12.59	1.87	3.02	4.25	3.37	5.59	30
4605	120/240V 125 KW 210 HP D	25,453	12.32	15.53	2.17	3.50	5.51	3.90	7.24	50
4610	120/240V 150 KW 276 HP D	30,165	15.48	19.57	2.57	4.15	7.24	4.62	9.52	65
	OVERLOWE									
4620	KP2250R PORTABLE 2.25 KW 5 HP G	952	0.56	0.70	0.08	0.13	0.29	0.14	0.37	1
4625	KP3000R PORTABLE 3.00 KW 7 HP G	1,037	0.72	0.91	0.09	0.14	0.40	0.15	0.52	2
4630	KP3750BIC PORTABLE 3.75 KW 8 HP G	1,458	0.88	1.12	0.13	0.20	0.46	0.23	0.60	2
4635	KP5000BIC PORTABLE 5.00 KW 10 HP G	1,843	1.10	1.40	0.16	0.25	0.57	0.28	0.75	2
4640	KP6500BICB PORTABLE 6.50 KW 16 HP G	1,934	1.55	1.98	0.16	0.26	0.92	0.29	1.20	3
4645	KP7500BICB PORTABLE 7.50 KW 16 HP G	1,831	1.53	1.96	0.16	0.25	0.92	0.28	1.20	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											
4660	MOD 120-G	POWER SHIFT ARTIC	125 HP	D	105,722	19.88	24.83	6.68	9.81	3.02	11.11	3.97	272
4665	MOD 130-G	POWER SHIFT ARTIC	135 HP	D	120,394	22.36	27.91	7.62	11.19	3.26	12.68	4.28	293
4670	MOD 12-G	POWER SHIFT ARTIC	135 HP	D	131,663	24.04	29.98	8.33	12.24	3.26	13.86	4.28	316
4675	MOD 140-G	POWER SHIFT ARTIC	150 HP	D	132,547	24.70	30.85	8.37	12.29	3.62	13.92	4.76	318
4680	MOD 14-G	POWER SHIFT ARTIC	180 HP	D	188,369	34.28	42.77	11.82	17.31	4.35	19.59	5.71	441
4685	MOD 16-G	POWER SHIFT ARTIC	250 HP	D	274,122	49.57	61.84	17.18	25.14	6.04	28.44	7.93	584
		CHAMPION											
4695	MOD 710A	ARTICULATED	135 HP	D	104,232	20.03	25.06	6.57	9.63	3.26	10.91	4.28	286
4700	MOD 720A	ARTICULATED	152 HP	D	124,425	23.60	29.50	7.85	11.51	3.67	13.03	4.82	335
4705	MOD 730A	ARTICULATED	180 HP	D	128,121	25.04	31.35	8.08	11.85	4.35	13.42	5.71	340
4710	MOD 740A	ARTICULATED	210 HP	D	140,735	27.87	34.93	8.89	13.05	5.07	14.77	6.67	345
4715	MOD 710	NON-ARTICULATED	135 HP	D	98,025	19.11	23.94	6.17	9.04	3.26	10.25	4.28	280
4720	MOD 720	NON-ARTICULATED	152 HP	D	108,362	21.23	26.59	6.82	9.99	3.67	11.31	4.82	315
4725	MOD 730	NON-ARTICULATED	180 HP	D	117,057	23.42	29.35	7.37	10.81	4.35	12.24	5.71	330
4730	MOD 740	NON-ARTICULATED	210 HP	D	132,682	26.69	33.48	8.38	12.29	5.07	13.92	6.67	345
4735	MOD 760	NON-ARTICULATED	210 HP	D	151,640	29.82	37.41	9.47	13.84	5.07	15.66	6.67	390
		FIAT-ALLIS											
4745	MOD-65B	DIRECT DRIVE	68 HP	D	58,399	10.95	13.67	3.69	5.42	1.64	6.14	2.16	135
4750	MOD-FG75	POWER SHIFT	130 HP	D	90,827	17.87	22.37	5.72	8.39	3.14	9.49	4.13	300
4755	MOD-FG85	POWER SHIFT	145 HP	D	97,716	19.42	24.32	6.15	9.01	3.50	10.20	4.60	310
4760	MOD-FG95	POWER SHIFT	160 HP	D	104,568	21.04	26.41	6.53	9.55	3.86	10.81	5.08	330
		GALION/DRESSER											
4770	MOD 400E	POWER SHIFT	125 HP	D	103,657	19.57	24.46	6.55	9.61	3.02	10.89	3.97	286
4775	MOD 450E	POWER SHIFT	145 HP	D	112,364	21.49	26.86	7.10	10.43	3.50	11.81	4.60	306
4780	MOD A-500	POWER SHIFT	145 HP	D	118,622	22.44	28.04	7.50	11.01	3.50	12.47	4.60	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)									
4785	MOD A-550 POWER SHIFT 175 HP D	132,778	25.56	31.96	8.39	12.32	4.23	13.95	5.55	327
4790	MOD A-600 POWER SHIFT 197 HP D	137,726	27.01	33.79	8.71	12.79	4.76	14.48	6.25	336
4795	MOD A-606 POWER SHIFT 197 HP D	154,172	29.45	36.81	9.75	14.32	4.76	16.21	6.25	342
	JOHN DEERE									
4805	MOD 570A POWER SHIFT 85 HP D	85,383	15.58	19.45	5.38	7.89	2.05	8.94	2.70	205
4810	MOD 670A POWER SHIFT 125 HP D	105,078	19.78	24.71	6.64	9.75	3.02	11.04	3.97	275
4815	MOD 672A POWER SHIFT 125 HP D	124,088	22.64	28.23	7.84	11.51	3.02	13.03	3.97	286
4820	MOD 770A POWER SHIFT 150 HP D	120,141	22.86	28.58	7.59	11.14	3.62	12.61	4.76	310
4825	MOD 772A POWER SHIFT 150 HP D	139,509	25.72	32.09	8.83	12.97	3.62	14.68	4.76	320
	KOMATSU									
4835	GD 505A-2 ARTIC 130 HP D	99,648	19.19	24.01	6.28	9.20	3.14	10.41	4.13	275
4840	GD 605A-2 ARTIC 145 HP D	118,616	22.51	28.15	7.47	10.96	3.50	12.41	4.60	336
4845	GD 705A-4 ARTIC 200 HP D	164,646	31.42	39.33	10.30	15.07	4.83	17.05	6.35	425
4850	GD 825A-1 ARTIC 280 HP D	263,470	48.96	61.20	16.49	24.13	6.76	27.31	8.89	578
	TROJAN									
4860	MOD F105 POWER SHIFT 112 HP D	99,377	18.60	23.25	6.25	9.15	2.70	10.35	3.55	205
4865	MOD F155 POWER SHIFT 152 HP D	114,745	22.19	27.78	7.21	10.57	3.67	11.97	4.82	317
4870	MOD F155A POWER SHIFT 170 HP D	126,508	24.53	30.69	7.97	11.69	4.11	13.23	5.40	324
	HOISTS ******									
	AIR TUGGERS BEEBE									
4885	2000P110-24 1.0 T 225 CFM RQD	6,081	1.28		0.44	0.68	0.00			5
4890	5000P120-24 2.5 T 500 CFM RQD	9,735	2.08		0.71	1.09	0.00			16
4895	10000P 50-24 5.0 T 500 CFM RQD	11,778	2.58		0.86	1.32	0.00			22
4900	20000P 50-40 10.0 T 850 CFM RQD	30,497	6.32		2.21	3.41	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									
4910	BU-18 DOUBLE DRUM W/5/8" CABLE 100 HP D	73,525	17.50		5.32	8.23	2.62			85
4915	G-70 DOUBLE DRUM W/7/8" CABLE 100 HP D	99,371	22.50		7.18	11.11	2.62			126
4920	RB-80 DOUBLE DRUM W/1-1/8" CABLE 130 HP D	152,697	33.82		11.04	17.08	3.41			240
4925	RB-90WDOUBLE DRUM W/1-3/8" CABLE 150 HP D	169,879	37.78		12.28	19.00	3.93			300
	HYDRAULIC EXCAVATOR, CRAWLER MOUNTED ********** T/B = TELESCOPING BOOM B/H = BACKHOE									
	AKERMAN									
4940	MOD H7C .92 CY B/H 145 HP D	129,450	32.94	44.70	10.44	16.39	3.50	20.50	4.60	343
4945	MOD H10B 1.37 CY B/H 166 HP D	154,559	34.86	44.72	11.17	17.26	4.01	20.42	5.27	466
4950	MOD H14B 1.64 CY B/H 209 HP D	184,812	41.99	53.89	13.35	20.64	5.05	24.43	6.63	595
4955	MOD H16D 1.90 CY B/H 262 HP D	284,298	62.87	80.63	20.54	31.75	6.33	37.57	8.32	873
4960	MOD H25C 2.55 CY B/H 326 HP D	447,531	89.66	110.77	29.65	45.34	7.87	51.85	10.35	1261
	BADGER (HOPTO)									
4970	MOD 311 1.88 CY B/H 235 HP D	242,849	54.03	69.30	17.54	27.12	5.68	32.09	7.46	745
4975	MOD 900B 2.00 CY B/H 308 HP D	293,142	65.93	84.59	21.18	32.74	7.44	38.74	9.78	1015
4980	MOD 1900 5.00 CY B/H 616 HP D	611,846	127.60	158.02	40.53	61.99	14.88	70.89	19.55	2050
	CASE									
4995	MOD 880D "E" BOOM .63 CY B/H 114 HP D	76,691	20.45	27.72	6.18	9.71	2.75	12.15	3.62	310
5000	MOD 1080 .75 CY B/H 153 HP D	100,033	26.80	36.34	8.06	12.66	3.69	15.84	4.86	400
5005	MOD 1280B 1.00 CY B/H 198 HP D	125,987	30.23	38.84	9.10	14.07	4.78	16.64	6.28	495
	CATERPILLAR									
5015	MOD 205 LC .50 CY B/H 71 HP D	66,820	16.87	22.91	5.39	8.46	1.71	10.59	2.25	311
5020	MOD 211 .68 CY B/H 94 HP D	84,013	21.37	29.01	6.78	10.64	2.27	13.31	2.98	326
5025	MOD 213 .86 CY B/H 102 HP D	96,257	24.30	32.99	7.76	12.19	2.46	15.25	3.24	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)									
5030	MOD 215B LC 1.00 CY B/H 105 HP D	120,084	29.57	40.18	9.68	15.20	2.54	19.02	3.33	400
5035	MOD 225 1.25 CY B/H 135 HP D	162,207	35.45	45.45	11.72	18.12	3.26	21.44	4.28	504
5040	MOD 235B 1.875 CY B/H 215 HP D	304,122	65.35	83.75	21.97	33.96	5.19	40.18	6.82	915
5045	MOD 245 3.00 CY B/H 325 HP D	457,228	91.37	112.85	30.29	46.32	7.85	52.97	10.32	1395
	FIAT-ALLIS									
5055	MOD FE18 .74 CY B/H 86 HP D	107,892	26.29	35.74	8.70	13.66	2.08	17.09	2.73	372
5060	MOD FE20 .90 CY B/H 105 HP D	122,316	30.06	40.85	9.86	15.49	2.54	19.38	3.33	452
5065	MOD FE28 1.33 CY B/H 152 HP D	165,427	36.56	46.89	11.95	18.47	3.67	21.86	4.82	585
5070	MOD FE40L 2.10 CY B/H 243 HP D	256,582	56.92	73.00	18.53	28.65	5.87	33.90	7.71	984
	GRADALL									
5080	MOD G-660C .88 CY T/B 145 HP D	170,321	41.80	56.82	13.73	21.56	3.50	26.98	4.60	452
5085	MOD G-880C 1.00 CY T/B 145 HP D	203,342	48.97	66.60	16.39	25.74	3.50	32.21	4.60	536
5090	MOD G-1000 1.25 CY T/B 272 HP D	273,558	61.06	78.34	19.76	30.55	6.57	36.15	8.63	787
	HITACHI									
5100	MOD UH 083 1.13 CY B/H 115 HP D	115,920	25.88	33.19	8.38	12.95	2.78	15.32	3.65	408
5105	MOD UH 123 1.50 CY B/H 157 HP D	181,176	39.77	51.00	13.09	20.23	3.79	23.94	4.98	573
5110	MOD UH 181 2.38 CY B/H 270 HP D	277,089	61.70	79.14	20.02	30.95	6.52	36.62	8.57	904
5115	MOD UH 261 3.38 CY B/H 476 HP D	401,264	85.82	106.41	26.59	40.66	11.50	46.48	15.11	1320
5120	MOD UH 501 5.25 CY B/B 540 HP D	541,107	109.33	132.03	32.93	49.19	13.04	54.81	17.14	1980
5125	MOD UH 801 8.38 CY B/H 800 HP D	955,727	188.52	227.16	58.16	86.89	19.32	96.83	25.39	3460
	INSLEY									
5135	MOD H600C .75 CY B/H 135 HP D	106,461	27.61	37.45	8.58	13.48	3.26	16.86	4.28	385
5140	MOD H800C 1.00 CY B/H 160 HP D	128,648	33.26	45.12	10.37	16.29	3.86	20.37	5.08	440
5145	MOD H1000C 1.25 CY B/B 180 HP D	151,994	34.77	44.63	10.98	16.97	4.35	20.09	5.71	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)									
5150	MOD H1500C 1.75 CY B/H 255 HP D	233,667	52.81	67.77	16.88	26.09	6.16	30.87	8.09	783
5155	MOD H2500C 2.25 CY B/H 290 HP D	273,230	61.53	78.93	19.74	30.52	7.00	36.10	9.20	955
5160	MOD H3500C 3.50 CY B/H 400 HP D	384,090	80.49	99.72	25.44	38.91	9.66	44.50	12.70	1300
	JOHN DEERE									
5170	MOD 490 .50 CY B/H 75 HP D	76,136	19.03	25.84	6.14	9.64	1.81	12.06	2.38	265
5175	MOD 690 C .875 CY B/H 125 HP D	108,741	27.78	37.70	8.77	13.77	3.02	17.22	3.97	400
5180	MOD 790 1.00 CY B/H 155 HP D	140,599	35.68	48.45	11.33	17.80	3.74	22.27	4.92	510
5185	MOD 792 1.50 CY B/H 180 HP D	171,423	38.54	49.45	12.38	19.14	4.35	22.65	5.71	644
5190	MOD 990 2.125 CY B/H 260 HP D	260,802	58.25	74.71	18.84	29.13	6.28	34.46	8.25	912
	KOEHRING									
5200	MOD 6605 .20 CY B/H 46 HP D	42,531	10.76	14.62	3.43	5.38	1.11	6.74	1.46	118
5205	MOD 6608 .34 CY B/H 64 HP D	53,923	13.84	18.79	4.34	6.82	1.55	8.55	2.03	163
5210	MOD 6611 .52 CY B/H 74 HP D	73,026	18.33	24.88	5.89	9.25	1.79	11.57	2.35	246
5215	MOD 6614 .85 CY B/H 93 HP D	91,652	22.99	31.23	7.39	11.60	2.25	14.52	2.95	310
5220	MOD 6620 1.18 CY B/H 122 HP D	121,732	27.20	34.88	8.79	13.59	2.95	16.08	3.87	432
5225	MOD 6625 1.46 CY B/H 162 HP D	159,293	35.66	45.75	11.51	17.79	3.91	21.05	5.14	560
5230	MOD 6644 2.00 CY B/H 257 HP D	277,795	61.47	78.81	20.07	31.03	6.21	36.70	8.16	920
5235	MOD 866E 3.25 CY B/H 332 HP D	460,940	92.24	113.94	30.54	46.70	8.02	53.41	10.54	1306
5240	MOD 1066E 4.00 CY B/H 420 HP D	572,804	114.83	141.86	37.94	58.03	10.14	66.36	13.33	1640
5245	MOD 1166E 5.00 CY B/H 464 HP D	637,918	127.78	157.85	42.25	64.62	11.21	73.90	14.73	1890
5250	MOD 1266 5.50 CY B/H 664 HP D	928,682	179.79	216.27	56.52	84.43	16.04	94.08	21.08	2600
5255	MOD 1466 9.00 CY B/H 832 HP D	1,084,534	211.64	254.79	66.00	98.60	20.09	109.87	26.41	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	OWT
	HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D) ********** T/B = TELESCOPING BOOM B/H = BACKHOE									
	KOMATSU									
5265	MOD PC 120-3 .65 CY B/H 82 HP D	87,649	21.76	29.56	7.07	11.10	1.98	13.88	2.60	256
5270	MOD PC 150-3 .82 CY B/H 99 HP D	104,014	25.88	35.14	8.39	13.17	2.39	16.47	3.14	312
5275	MOD PC 200 LC-3 1.05 CY B/H 118 HP D	137,550	30.16	38.67	9.94	15.36	2.85	18.17	3.75	423
5280	MOD PC 220 LC-3 1.31 CY B/H 148 HP D	175,000	38.31	49.13	12.65	19.55	3.57	23.13	4.70	512
5285	MOD PC 300 LC-3 1.70 CY B/H 197 HP D	210,517	46.64	59.81	15.21	23.51	4.76	27.82	6.25	679
5290	MOD PC 650-1 3.60 CY B/H 404 HP D	506,978	102.60	126.81	33.58	51.36	9.76	58.73	12.82	1433
	UNIT									
5300	MOD H202CT SER II 1.25 CY B/H 152 HP D	155,077	34.55	44.31	11.21	17.32	3.67	20.49	4.82	475
5305	MOD H342 1.63 CY B/H 228 HP D	250,450	55.30	70.93	18.09	27.97	5.51	33.10	7.24	723
5310	MOD H471 1.75 CY B/H 304 HP D	310,422	69.16	88.72	22.43	34.67	7.34	41.02	9.65	972
	HYDRAULIC EXCAVATOR, TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRRIER) T/B = TELESCOPING BOOM B/H = BACKHOE									
	CATERPILLAR									
5325	MOD 206 .59 CY B/H 71 HP D	77,582	12.27	14.57	4.47	6.55	1.86	7.22	2.45	283
5330	MOD 212 .77 CY B/H 94 HP D	96,889	15.44	18.34	5.60	8.23	2.46	9.07	3.24	330
5335	MOD 214 .95 CY B/H 102 HP D	108,574	17.13	20.34	6.29	9.24	2.67	10.18	3.52	366
5340	MOD 224 1.18 CY B/H 124 HP D	138,900	19.97	23.23	7.39	10.56	3.25	11.38	4.28	443
	GRADALL									
5350	MOD G-3R .50 CY T/B 125 HP D	130,875	20.57	24.40	7.62	11.23	3.28	12.38	4.31	360
5355	MOD G-3W .50 CY T/B 125/205 HP D/D	141,894	23.63	27.99	8.23	12.11	4.43	13.35	5.66	380
5360	MOD G-660C .88 CY T/B 145/210 HP D/G	191,354	31.24	37.22	11.14	16.41	5.63	18.10	7.38	422
5365	MOD G-880C 1.00 CY T/B 145/210 HP D/D	232,108	35.43	41.71	13.50	19.89	4.99	21.94	6.38	535
5370	MOD G-1000 1.25 CY T/B 272/312 HP D/D	302,810	45.70	53.23	16.12	23.06	8.89	24.86	11.44	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									
5385	MOD BHTS 30 HYDR. TREE SHEAR FOR 953 LOADER	16,799	3.72	4.65	1.21	1.86	0.00	2.20	0.00	32
5390	MOD BMA8 MULTIAPPLICATION RAKE FOR D8L TRACTOR	20,216	4.30	5.42	1.46	2.24	0.00	2.65	0.00	83
5395	MOD BTXC973 CLAMP RAKE FOR 973 LOADER	22,718	4.79	6.06	1.64	2.52	0.00	2.98	0.00	63
5400	MOD BBL7 BLADE RAKE FOR D7G TRACTOR	10,904	2.41	3.01	0.79	1.21	0.00	1.43	0.00	37
5405	MOD BRK8 ROCK & ROOT RAKE FOR D8L TRACTOR	18,672	3.99	5.03	1.35	2.07	0.00	2.45	0.00	80
5410	MOD VT8 V-TREE CUTTER FOR D8L TRACTOR	29,488	6.23	7.86	2.12	3.27	0.00	3.86	0.00	140
5415	LOGGING FORK FOR 988 LOADER	23,346	5.12	6.41	1.68	2.59	0.00	3.06	0.00	70
5420	HEAVY DUTY CLEARING RAKE FOR D8L	18,295	3.91	4.94	1.31	2.02	0.00	2.40	0.00	71
	LAWNMOWERS **********									
	EXCEL									
5435	HUSTLER 275-60" 23 HP G	8,645	5.45		1.20	2.09	1.62			21
5440	HUSTLER 295-60" 25 HP G	10,045	6.18		1.40	2.43	1.76			24
5445	HUSTLER 305D-60" 32 HP D	11,226	5.77		1.57	2.73	1.04			25
5450	HUSTLER 320-72" 22 HP D	10,182	4.94		1.42	2.47	0.71			24
5455	HUSTLER 340-72" 28 HP D	10,958	5.51		1.54	2.67	0.91			24
5460	HUSTLER 400-72" 44 HP G	9,959	7.81		1.39	2.42	3.10			24
	TORO									
5470	MOD 20624 21" REAR BAGGER-PUSH 4 HP G	659	0.61		0.09	0.16	0.28			1
5475	MOD 725 21" REAR BAG-ENG.RIDER 7 HP G	1,217	1.08		0.15	0.26	0.49			3
5480	MOD1132 32" RIDER 11 HP G	1,623	1.61		0.21	0.36	0.78			4
5485	MOD1142 42" LAWN TRACTOR 11 HP G	2,476	1.95		0.33	0.57	0.78			5

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	
	LAWNMOWERS (CONT'D) **********									
	TORO (CONT'D)									
5490	MOD 117 52" GROUNDMASTER 17 HP G	6,606	4.12		0.92	1.60	1.20			9
5495	MOD 217D 62" GROUNDMASTER 17 HP D	10,832	5.00		1.51	2.63	0.55			13
5500	MOD 220 62" GROUNDMASTER 20 HP G	9,288	5.45		1.30	2.25	1.41			11
5505	MOD 327 72" GROUNDMASTER 27 HP G	12,628	7.40		1.77	3.08	1.90			17
5510	MOD 322D 72" GROUNDMASTER 22 HP D	13,406	6.23		1.88	3.27	0.71			14
	LIGHTING SETS, TRAILER MOUNTED **********									
	ALLMAND METALLIC VAPOR									
5525	MAXI-LITE III 4/1000W 15 HP D	14,212	5.14		1.13	1.76	0.52			29
	AMIDA METALLIC VAPOR									
5535	MOD 5000 3.0KW 2/1000W W/GEN. 6 HP G	10,325	3.82		0.82	1.27	0.45			2
5540	MOD 5000 4.0KW 2/1000W W/GEN. 10 HP D	8,951	3.24		0.70	1.09	0.34			2
5545	MOD 5000 6.5KW 4/1000W W/GEN. 14 HP G	11,197	4.84		0.89	1.38	1.05			3
5550	MOD 5000 8.0KW 4/1000W W/GEN. 15 HP D	12,888	4.70		1.01	1.58	0.52			3
	OVER-LOWE METALLIC VAPOR									
5560	TM 352 2/1000W 3 KW 6 HP D	11,266	3.81		0.89	1.38	0.21			17
5565	TM 354 4/1000W 6 KW 12 HP D	14,890	5.22		1.18	1.84	0.41			22
5570	TM 356 6/1000W 8 KW 15 HP D	17,527	6.19		1.40	2.18	0.52			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	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 ********** KOLMAN									
5585	101XHD 24"X50' 355 T/HR 28 HP D	33,679	8.46	11.10	2.35	3.60	0.73	4.25	0.97	116
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5595	PLATE FEEDER DOZER TRAP MODEL 45	7,281	1.49	1.89	0.53	0.82	0.00	0.96	0.00	37
5600	BELT FEEDER DOZER TRAP MODEL 3 HP D	9,778	2.09	2.68	0.71	1.09	0.08	1.30	0.10	36
5605	WING WALLS STATIONARY	1,415	0.29	0.37	0.11	0.16	0.00	0.19	0.00	9
5610	TUNNEL EXTENSION W/BACKBOARDS	7,108	1.44	1.85	0.51	0.79	0.00	0.94	0.00	61
5615	SINGLE DECK SCREEN SB-70 7'X42	4,176	0.85	1.08	0.31	0.47	0.00	0.55	0.00	19
5620	DOUBLE DECK SCREEN DC-70-42 7'X42	6,218	1.26	1.62	0.45	0.69	0.00	0.82	0.00	27
5625	TRIPLE DECK SCREEN TC-70-42 7'X42	9,000	1.83	2.34	0.65	1.00	0.00	1.19	0.00	34
5630	XHD CONVEYOR JACKLEG	1,246	0.25	0.32	0.09	0.14	0.00	0.16	0.00	9
5635	101XHD 30"X50' 615 T/HR 42 HP D	37,342	9.82	12.94	2.60	3.98	1.10	4.70	1.45	135
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5645	PLATE FEEDER DOZER TRAP MODEL 45	8,519	1.73	2.22	0.62	0.95	0.00	1.13	0.00	42
5650	BELT FEEDER DOZER TRAP MODEL 3 HP D	10,444	2.23	2.85	0.76	1.17	0.08	1.38	0.10	40
5655	WING WALLS STATIONARY	1,415	0.29	0.37	0.11	0.16	0.00	0.19	0.00	9
5660	TUNNEL EXTENSION W/BACKBOARDS	7,108	1.44	1.85	0.51	0.79	0.00	0.94	0.00	61
5665	SINGLE DECK SCREEN SB-80 8'X48	5,245	1.06	1.37	0.38	0.58	0.00	0.70	0.00	23
5670	DOUBLE DECK SCREEN DC-80-48 8'X48	7,351	1.50	1.92	0.53	0.82	0.00	0.98	0.00	35
5675	TRIPLE DECK SCREEN TC-80-48 8'X48	10,104	2.06	2.63	0.73	1.13	0.00	1.34	0.00	43
5680	XHD CONVEYOR JACKLEG	1,246	0.25	0.32	0.09	0.14	0.00	0.16	0.00	9
5685	101XHD 36"X50' 910 T/HR 56 HP D	42,384	11.58	15.29	2.94	4.48	1.47	5.28	1.93	160
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5695	PLATE FEEDER DOZER TRAP MODEL 45	9,003	1.83	2.34	0.65	1.00	0.00	1.19	0.00	45
5700	BELT FEEDER DOZER TRAP MODEL 5 HP D	11,283	2.47	3.16	0.82	1.26	0.13	1.50	0.17	42
5705	WING WALLS STATIONARY	1,415	0.29	0.37	0.11	0.16	0.00	0.19	0.00	9
5710	TUNNEL EXTENSION W/BACKBOARDS	7,108	1.44	1.85	0.51	0.79	0.00	0.94	0.00	61
5715	SINGLE DECK SCREEN SB-90 9'X54	5,832	1.19	1.53	0.42	0.65	0.00	0.78	0.00	28

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
	LOADERS, BELT (CONT'D) **********									
	KOLMAN (CONT'D)									
5720	DOUBLE DECK SCREEN DC-90-54 9'X54	8,228	1.68	2.14	0.60	0.92	0.00	1.09	0.00	43
5725	TRIPLE DECK SCREEN TC-90-54 9'X54	12,234	2.50	3.19	0.89	1.37	0.00	1.62	0.00	54
5730	XHD CONVEYOR JACKLEG	1,246	0.25	0.32	0.09	0.14	0.00	0.16	0.00	9
5735	101XHD 42"X50' 1260 T/HR 84 HP D	54,970	15.52	20.54	3.80	5.80	2.20	6.84	2.90	180
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5745	PLATE FEEDER DOZER TRAP MODEL 45	11,069	2.26	2.88	0.80	1.24	0.00	1.46	0.00	48
5750	BELT FEEDER DOZER TRAP MODEL 5 HP D	14,489	3.13	3.99	1.05	1.62	0.13	1.92	0.17	45
5755	WING WALLS STATIONARY	1,415	0.29	0.37	0.11	0.16	0.00	0.19	0.00	9
5760	TUNNEL EXTENSION W/BACKBOARDS	7,108	1.44	1.85	0.51	0.79	0.00	0.94	0.00	61
5765	SINGLE DECK SCREEN SB-100 60"X10'	7,586	1.55	1.97	0.55	0.85	0.00	1.00	0.00	37
5770	DOUBLE DECK SCREEN DC-100 60"X10'	9,696	1.98	2.52	0.71	1.09	0.00	1.28	0.00	55
5775	XHD CONVEYOR JACKLEG	1,246	0.25	0.32	0.09	0.14	0.00	0.16	0.00	9
5780	101XHD 48"X50' 1700 T/HR 128 HP D	94,499	24.64	32.02	6.67	10.25	3.36	12.11	4.42	265
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5790	PLATE FEEDER DOZER TRAP MODEL 45	13,591	2.78	3.54	0.99	1.53	0.00	1.80	0.00	51
5795	WING WALLS STATIONARY	1,415	0.29	0.37	0.11	0.16	0.00	0.19	0.00	9
5800	TUNNEL EXTENSION W/BACKBOARDS	7,147	1.46	1.86	0.52	0.80	0.00	0.95	0.00	66
5805	SINGLE DECK SCREEN SB-120 60"X12'	11,036	2.25	2.87	0.80	1.23	0.00	1.46	0.00	53
5810	DOUBLE DECK SCREEN DC-120 60"X12'	16,204	3.30	4.21	1.17	1.81	0.00	2.14	0.00	77
5815	TRIPLE DECK SCREEN TC-120 60"X12'	22,841	4.66	5.94	1.66	2.56	0.00	3.02	0.00	80
5820	XHD CONVEYOR JACKLEG	1,246	0.25	0.32	0.09	0.14	0.00	0.16	0.00	9
5825	303 48"X50' 2000 CY/HR 125 HP D	172,744	43.75	57.83	12.00	18.34	3.28	21.64	4.31	627
5830	303 48"X60' 2000 CY/HR 185 HP D	192,183	49.82	65.71	13.40	20.50	4.85	24.19	6.38	662
5835	303 60"X50' 3600 CY/HR 185 HP D	198,558	52.92	70.49	13.70	20.89	4.85	24.64	6.38	682
5840	303 60"X60' 3600 CY/HR 290 HP D	228,684	63.78	85.01	15.77	24.05	7.60	28.36	10.00	737
5845	404 48"X50' 2000 CY/HR 185 HP D	213,894	54.16	71.19	14.97	22.94	4.85	27.08	6.38	616
5850	404 48"X60' 2000 CY/HR 185 HP D	226,008	56.72	74.52	15.84	24.28	4.85	28.67	6.38	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)									
5855	404 60"X50' 3600 CY/HR 290 HP D	256,641	68.28	90.24	17.89	27.38	7.60	32.32	10.00	671
5860	404 60"X60' 3600 CY/HR 290 HP D	283,936	75.05	99.40	19.77	30.23	7.60	35.68	10.00	724
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5870	SINGLE DECK SCREEN SB-120 72"X12'	16,458	3.36	4.29	1.19	1.84	0.00	2.18	0.00	58
5875	DOUBLE DECK SCREEN DC-120 72"X12'	21,644	4.41	5.63	1.57	2.42	0.00	2.86	0.00	85
5880	TRIPLE DECK SCREEN TC-120 72"X12'	24,769	5.05	6.45	1.79	2.77	0.00	3.28	0.00	90
5885	SINGLE DECK VIBRATING GRIZZLE 72"W	24,859	5.07	6.47	1.80	2.78	0.00	3.29	0.00	89
	LOADERS, FRONT END, CRAWLER TYPE **********									
	CASE									
5900	455 C 1 CY 63 HP D	61,076	17.52	22.02	4.40	6.77	1.78	8.00	2.35	150
5905	855 C 1-1/2 CY 78 HP D	67,141	19.61	24.65	4.84	7.45	2.21	8.79	2.91	216
5910	1155 D 1-3/4 CY 110 HP D	90,307	26.56	33.44	6.50	10.01	3.11	11.84	4.10	282
5915	1455 B 2-1/4 CY 140 HP D	105,530	31.49	39.65	7.59	11.69	3.96	13.83	5.22	360
	CATERPILLAR									
5925	931B 1 CY 65 HP D	43,013	13.15	16.56	3.10	4.77	1.84	5.63	2.42	160
5930	931 LGP 1 CY 65 HP D	47,559	14.27	17.96	3.42	5.27	1.84	6.23	2.42	177
5935	943 1-1/2 CY 80 HP D	80,224	22.90	28.79	5.77	8.89	2.26	10.52	2.98	257
5940	943 LGP 1-1/2 CY 80 HP D	82,384	23.43	29.45	5.93	9.13	2.26	10.80	2.98	259
5945	953 2 CY 110 HP D	101,327	29.29	36.82	7.30	11.24	3.11	13.28	4.10	300
5950	953 LGP 2 CY 110 HP D	104,503	30.06	37.80	7.52	11.58	3.11	13.70	4.10	308
5955	963 2-1/2 CY 150 HP D	133,486	38.77	48.76	9.61	14.80	4.24	17.49	5.59	399
5960	963 LGP 2-1/2 CY 150 HP D	136,875	39.60	49.81	9.85	15.17	4.24	17.94	5.59	407
5965	973 3-3/4 CY 210 HP D	198,423	57.13	71.81	14.27	21.99	5.94	26.00	7.82	540
5970	973 LGP 3-3/4 CY 210 HP D	203,604	58.41	73.40	14.65	22.57	5.94	26.68	7.82	558

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
	LOADERS, F.E., CRAWLER TYPE (CONT'D) **********												
	FIAT-ALLIS												
5980	FL5	1	CY	63 HP D	46,436	13.90	17.53	3.34	5.14	1.78	6.09	2.35	165
5985	FL7	1-1/4	CY	78 HP D	56,279	16.93	21.32	4.05	6.24	2.21	7.38	2.91	198
5990	FL9	1-5/8	CY	87 HP D	65,441	19.53	24.60	4.71	7.25	2.46	8.58	3.24	252
5995	FL10C	2	CY	122 HP D	87,500	26.34	33.18	6.30	9.70	3.45	11.46	4.55	300
6000	FL14C	2-5/8	CY	150 HP D	117,169	34.75	43.74	8.43	12.99	4.24	15.35	5.59	410
6005	FL20	3-1/2	CY	223 HP D	169,310	50.47	63.53	12.18	18.77	6.31	22.18	8.31	585
	INTERNATIONAL												
6015	100-E	1-1/8	CY	65 HP D	51,410	15.22	19.14	3.70	5.70	1.84	6.73	2.42	161
6020	125-E	1-3/8	CY	78 HP D	65,574	19.21	24.17	4.71	7.26	2.21	8.59	2.91	199
6025	175-C	2	CY	130 HP D	102,129	30.26	38.09	7.35	11.32	3.68	13.39	4.84	338
6030	250-C	2-3/4	CY	190 HP D	150,290	44.48	55.98	10.81	16.66	5.38	19.69	7.08	452
	JOHN DEERE												
6040	JD350-C	3/4	CY	42 HP D	37,787	10.96	13.77	2.72	4.19	1.19	4.95	1.56	119
6045	JD455-E	1-1/4	CY	70 HP D	49,382	14.90	18.79	3.55	5.47	1.98	6.47	2.61	172
6050	JD555-B	1-3/8	CY	78 HP D	61,316	18.16	22.87	4.41	6.79	2.21	8.04	2.91	188
6055	JD655-B	2	CY	120 HP D	90,033	26.88	33.86	6.48	9.98	3.39	11.80	4.47	324
6060	JD755-B	2-1/4	CY	140 HP D	105,105	31.39	39.53	7.56	11.65	3.96	13.78	5.22	355
6065	JD855	2-3/4	CY	200 HP D	156,879	46.50	58.52	11.29	17.39	5.66	20.55	7.45	460
	KOMATSU												
6075	D31S-17	1.3	CY	66 HP D	46,060	13.94	17.55	3.32	5.11	1.87	6.03	2.46	156
6080	D41S-3	1.6	CY	90 HP D	65,715	19.72	24.83	4.73	7.28	2.55	8.61	3.35	262
6085	D53S-16	1.8	CY	110 HP D	84,423	25.11	31.62	6.08	9.36	3.11	11.06	4.10	300
6090	D57S-1	2.1	CY	135 HP D	107,428	31.76	39.97	7.73	11.91	3.82	14.07	5.03	340
6095	D66S-1	2.6	CY	160 HP D	129,161	38.09	47.95	9.29	14.31	4.53	16.93	5.96	418
6100	D75S-3	3.3	CY	200 HP D	155,883	46.25	58.22	11.22	17.28	5.66	20.43	7.45	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)									
6105	D155S-1 5.9 CY 350 HP D	305,305	88.95	111.88	21.96	33.84	9.90	40.00	13.04	950
	LOADERS, FRONT END, WHEEL TYPE ********** (ARTIC = ARTICULATED)									
	BOBCAT/MELROE									
6120	MOD 440 6 CWT. SKID STEER 16 HP G	8,785	2.87	3.71	0.61	0.92	0.92	1.07	1.20	21
6125	MOD 443 6 CWT. SKID STEER 15 HP D	10,533	2.54	3.27	0.74	1.11	0.39	1.30	0.52	24
6130	MOD 540 8 CWT. SKID STEER 23 HP G	11,911	3.96	5.08	0.84	1.26	1.32	1.47	1.72	31
6135	MOD 543 8 CWT. SKID STEER 22 HP D	13,391	3.31	4.23	0.94	1.42	0.58	1.66	0.76	33
6140	MOD 641 10 CWT. SKID STEER 28 HP D	15,796	3.96	5.08	1.11	1.67	0.73	1.96	0.97	39
6145	MOD 642 10 CWT. SKID STEER 32 HP G	14,559	5.13	6.59	1.02	1.54	1.84	1.81	2.39	38
6150	MOD 742 13 CWT. SKID STEER 34 HP G	16,763	5.67	7.27	1.17	1.77	1.95	2.08	2.54	45
6155	MOD 743 13 CWT. SKID STEER 36 HP D	17,975	4.65	5.95	1.26	1.90	0.94	2.23	1.24	46
6160	MOD 843 17 CWT. SKID STEER 54 HP D	23,135	6.43	8.36	1.60	2.40	1.42	2.82	1.86	63
6165	MOD 943 24 CWT. SKID STEER 69 HP D	28,723	8.02	10.41	1.99	2.99	1.81	3.51	2.38	88
6170	MOD 974 37 CWT. SKID STEER 78 HP D	42,515	11.33	15.06	2.88	4.30	2.05	5.05	2.69	121
6175	MOD 975 37 CWT. SKID STEER 82 HP D	43,005	11.56	15.36	2.91	4.35	2.15	5.10	2.83	122
	CASE									
6185	W-4 1/2 CY ARTIC 37 HP D	25,670	6.16	7.93	1.78	2.69	0.97	3.17	1.28	48
6190	W-11 B 1 CY ARTIC 66 HP D	45,419	11.12	14.46	3.14	4.72	1.73	5.54	2.28	118
6195	W-14 1-1/2 CY ARTIC 83 HP D	61,951	14.91	19.37	4.27	6.43	2.18	7.55	2.86	146
6200	W-20 C 2 CY ARTIC 110 HP D	84,871	20.68	27.28	5.78	8.67	2.88	10.17	3.79	230
6205	W-30 3 CY ARTIC 153 HP D	107,366	26.35	34.47	7.36	11.07	4.01	13.01	5.28	290
6210	W-36 4 CY ARTIC 185 HP D	137,456	33.65	44.24	9.38	14.08	4.85	16.52	6.38	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) ********** (ARTIC = ARTICULATED)									
	CATERPILLAR									
6220	910 1-1/4 CY ARTIC 65 HP D	48,380	11.73	15.29	3.33	5.00	1.70	5.86	2.24	145
6225	IT12 (INTEGRATED TOOL CARRIER) 65 HP D	57,479	13.37	17.35	3.97	5.97	1.70	7.01	2.24	172
6230	916 1-1/2 CY ARTIC 85 HP D	72,020	16.81	21.74	4.98	7.51	2.23	8.82	2.93	183
6235	IT18 (INTEGRATED TOOL CARRIER) 85 HP D	76,902	17.69	22.83	5.33	8.03	2.23	9.43	2.93	204
6240	926 2 CY ARTIC 105 HP D	81,966	19.35	24.96	5.68	8.57	2.75	10.07	3.62	198
6245	IT28 (INTEGRATED TOOL CARRIER) 105 HP D	87,187	20.30	26.13	6.05	9.13	2.75	10.73	3.62	231
6250	936 2-1/2 CY ARTIC 125 HP D	102,582	23.97	30.89	7.11	10.73	3.28	12.61	4.31	261
6255	950-B 3 CY ARTIC 155 HP D	132,579	31.00	40.24	9.14	13.77	4.06	16.18	5.35	328
6260	966-D 4 CY ARTIC 200 HP D	181,165	42.19	55.03	12.44	18.72	5.24	21.99	6.90	441
6265	980-C 5-1/4 CY ARTIC 270 HP D	244,053	53.42	69.57	15.58	23.52	7.08	26.81	9.31	601
6270	988-B 7 CY ARTIC 375 HP D	355,134	75.58	98.14	22.40	33.70	9.83	38.40	12.94	898
6275	992-C 13-1/2 CY ARTIC 690 HP D	719,508	153.20	201.63	44.83	67.18	18.09	76.49	23.80	1931
	CLARK/MICHIGAN									
6285	35C 1-1/2 CY 85 HP D	61,979	14.93	19.34	4.28	6.45	2.23	7.58	2.93	180
6290	45C 2 CY 110 HP D	72,646	17.84	23.10	5.02	7.57	2.88	8.90	3.79	206
6295	55C 2-1/2 CY ARTIC 121 HP D	84,576	20.55	26.63	5.84	8.80	3.17	10.34	4.17	262
6300	75C 3 CY ARTIC 154 HP D	123,509	29.51	38.55	8.47	12.74	4.04	14.96	5.31	313
6305	125C 4 CY ARTIC 203 HP D	166,533	39.96	52.55	11.37	17.06	5.32	20.02	7.00	437
6310	175C 5 CY ARTIC 279 HP D	226,571	50.87	66.59	14.41	21.74	7.32	24.80	9.63	565
6315	275C 7 CY ARTIC 360 HP D	331,177	70.04	90.07	21.06	31.77	9.44	36.23	12.42	864
6320	475C 12 CY ARTIC 612 HP D	621,170	131.50	171.61	39.00	58.58	16.05	66.73	21.11	1689
	FIAT-ALLIS									
6330	FR-07 1-1/3 CY ARTIC 70 HP D	47,595	11.73	15.28	3.27	4.92	1.84	5.78	2.41	145
6335	345-B 1-1/2 CY ARTIC 80 HP D	55,283	13.50	17.51	3.82	5.75	2.10	6.75	2.76	151
6340	FR-10 2-1/4 CY ARTIC 110 HP D	70,219	17.31	22.33	4.87	7.35	2.88	8.63	3.79	212

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) ********** (ARTIC = ARTICULATED)													
	FIAT-ALLIS (CONT'D)													
6345	FR-12	2-1/2 CY ARTIC	127 HP	D		77,182	19.45	25.27	5.33	8.02	3.33	9.41	4.38	230
6350	FR-15	3 CY ARTIC	164 HP	D		108,996	27.33	35.95	7.44	11.16	4.30	13.10	5.66	296
6355	FR-20	4-1/2 CY ARTIC	223 HP	D		167,858	40.95	53.82	11.46	17.20	5.85	20.18	7.69	445
6360	FR-30	5-1/4 CY ARTIC	275 HP	D		221,078	49.84	65.34	14.05	21.19	7.21	24.16	9.49	605
6365	FR-35	7 CY ARTIC	350 HP	D		270,446	59.81	77.77	17.04	25.63	9.18	29.21	12.07	755
	FORD													
6375	340B	16 CF	48 HP	D		22,184	6.10	8.04	1.51	2.26	1.26	2.66	1.66	66
6380	445A	3/4 CY	48 HP	D		25,826	6.76	8.86	1.77	2.65	1.26	3.12	1.66	73
6385	545A	3/4 CY	60 HP	D		29,155	7.81	10.18	2.00	3.01	1.57	3.53	2.07	75
6390	555B	1 CY	63 HP	D		64,281	14.40	18.53	4.46	6.72	1.65	7.90	2.17	173
	INTERNATIONAL/DRESSER													
6400	510B	1-3/8 CY	80 HP	D		55,149	13.51	17.56	3.80	5.72	2.10	6.71	2.76	140
6405	515B	1-5/8 CY	100 HP	D		67,857	16.60	21.54	4.69	7.06	2.62	8.29	3.45	167
6410	520B	2-1/4 CY ARTIC	120 HP	D		78,931	19.50	25.32	5.45	8.20	3.15	9.63	4.14	232
6415	530	2-3/4 CY ARTIC	155 HP	D		114,779	27.78	36.23	7.89	11.87	4.06	13.93	5.35	291
6420	540	3-3/4 CY ARTIC	189 HP	D		159,449	38.05	50.03	10.89	16.34	4.96	19.17	6.52	360
6425	550	5-1/4 CY ARTIC	209 HP	D		225,779	52.74	70.35	15.23	22.77	5.48	26.70	7.21	544
6430	560B	7-1/2 CY ARTIC	415 HP	D		330,850	71.86	92.47	21.04	31.74	10.88	36.19	14.32	830
6435	570	12 CY ARTIC	590 HP	D		618,515	128.37	165.36	39.26	59.18	15.47	67.46	20.35	1350
	JOHN DEERE													
6445	300B	3/4 CY	43 HP	D		23,554	6.08	7.89	1.62	2.43	1.13	2.86	1.48	69
6450	444C	1-1/2 CY	85 HP	D		63,243	15.16	19.62	4.37	6.58	2.23	7.73	2.93	179
6455	544C	2 CY ARTIC	105 HP	D		76,699	18.30	23.56	5.33	8.04	2.75	9.45	3.62	197
6460	644C	3 CY ARTIC	145 HP	D		110,257	26.47	34.44	7.59	11.42	3.80	13.42	5.00	260
6465	844	4-1/2 CY ARTIC	260 HP	D		204,076	46.57	61.34	12.93	19.47	6.82	22.19	8.97	490

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
	LOADERS, F.E., WHEEL TYPE (CONT'D) ********** (ARTIC = ARTICULATED)													
	KAWASAKI													
6475	KSS-65Z	2.2	CY	104 HP	D	66,672	16.69	21.77	4.58	6.89	2.73	8.08	3.59	225
6480	KSS-70	3.0	CY	158 HP	D	93,396	24.02	31.56	6.38	9.58	4.14	11.24	5.45	305
6485	KSS-80ZII	3.5	CY	165 HP	D	100,032	25.55	33.52	6.84	10.27	4.33	12.05	5.69	327
6490	KSS-85ZII	4.0	CY	217 HP	D	136,234	34.71	45.74	9.28	13.92	5.69	16.33	7.49	409
6495	KSS-95ZII	5.5	CY	305 HP	D	187,367	44.95	59.17	11.87	17.88	8.00	20.39	10.52	615
6500	KSS-110Z	7.5	CY	383 HP	D	294,664	66.00	86.70	18.40	27.58	10.04	31.41	13.21	864
	MASSEY FERGUSON													
6510	MF 30E	3/4	CY	48 HP	D	27,480	6.93	8.92	1.90	2.87	1.26	3.38	1.66	69
6515	MF 50E	3/4	CY	65 HP	D	29,917	8.05	10.41	2.07	3.11	1.70	3.66	2.24	80
6520	MF 50HX	1	CY	72 HP	D	33,197	9.13	11.98	2.26	3.39	1.89	3.97	2.48	96
	TEREX (GM)													
6530	33C	2	CY	103 HP	D	66,330	16.58	21.64	4.56	6.85	2.70	8.04	3.55	216
6535	44D	2-1/2	CY	123 HP	D	77,430	19.33	25.12	5.33	8.03	3.23	9.44	4.24	250
6540	55C	3-1/4	CY	144 HP	D	107,490	26.13	34.18	7.37	11.07	3.78	12.99	4.97	280
6545	60C	3-1/2	CY	168 HP	D	115,184	28.39	37.08	7.91	11.89	4.40	13.96	5.80	309
6550	66C	4	CY	210 HP	D	149,601	36.82	48.31	10.23	15.36	5.51	18.03	7.24	425
6555	70C	4-1/2	CY	247 HP	D	167,955	37.86	48.45	10.85	16.44	6.48	18.75	8.52	433
6560	80C	5-1/2	CY	307 HP	D	226,495	51.82	67.82	14.41	21.74	8.05	24.78	10.59	590
6565	90C	7-1/2	CY	460 HP	D	336,861	75.50	98.39	21.19	31.85	12.06	36.29	15.87	989
	TROJAN													
6575	1500Z	1-3/4	CY ARTIC	93 HP	D	60,515	15.16	19.85	4.15	6.23	2.44	7.31	3.21	180
6580	1900Z	2-1/2	CY ARTIC	119 HP	G	76,595	23.63	30.67	5.28	7.95	6.83	9.34	8.90	220
6585	2000Z	3	CY ARTIC	160 HP	D	101,923	25.64	33.58	6.98	10.49	4.20	12.32	5.52	306
6590	3500Z	3-3/4	CY ARTIC	185 HP	D	118,240	30.55	40.79	7.96	11.89	4.85	13.93	6.38	380
6595	5500	5-1/2	CY ARTIC	285 HP	D	222,780	50.74	66.76	14.12	21.28	7.47	24.27	9.83	616

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) ********** (ARTIC = ARTICULATED)									
	TROJAN (CONT'D)									
6600	7500 7 CY ARTIC 400 HP D	293,531	65.28	84.51	18.57	27.96	10.49	31.87	13.80	846
	LOADER/BACKHOE, WHEEL TYPE TRACTOR **********									
	CASE									
6615	480D LDR/BHOE 7/8 CY FE BUCKET 24" B/H DIPPER 47 HP D	37,375	8.97	11.35	2.58	3.89	1.23	4.58	1.62	100
6620	580E LDR/BHOE 1.0 CY FE BUCKET 24" B/H DIPPER 63 HP D	46,341	11.25	14.20	3.22	4.86	1.65	5.71	2.17	118
6625	680H LDR/BHOE 1-1/4 CY FE BUCKET 30" B/H DIPPER 80 HP D	74,336	17.32	21.83	5.16	7.79	2.10	9.16	2.76	165
6630	780B LDR/BHOE 1-3/4 CY FE BUCKET 30" B/H DIPPER 111 HP D	85,736	20.67	26.10	5.94	8.95	2.91	10.52	3.83	210
	CATERPILLAR									
6640	416 LDR/BH 1.0 CY FE BUCKET 24" B/H DIPPER 62 HP D	44,078	11.00	13.93	3.00	4.49	1.63	5.27	2.14	132
6645	426 LDR/BH 1-1/4 CY FE BUCKET 30" B/H DIPPER 70 HP D	49,814	12.37	15.65	3.40	5.10	1.84	5.99	2.41	142
	JOHN DEERE									
6655	310B LDR/BH 3/4 CY FE BUCKET 24" B/H DIPPER 58 HP D	40,975	10.09	12.73	2.83	4.27	1.52	5.01	2.00	135
6660	410B LDR/BH 1 CY FE BUCKET 24" B/H DIPPER 62 HP D	48,769	11.74	14.82	3.38	5.09	1.63	5.98	2.14	138
6665	510B LDR/BHOE 1-1/8 CY FE BUCKET 24" B/H DIPPER 70 HP D	56,600	13.59	17.14	3.92	5.90	1.84	6.92	2.41	150
6670	610B LDR/BH 1-1/3 CY FE BUCKET 24" B/H DIPPER 80 HP D	64,833	15.51	19.56	4.50	6.78	2.10	7.96	2.76	163
6675	710B LDR/BHOE 1-1/2 CY FE BUCKET 30" B/H DIPPER 100 HP D	77,868	18.87	23.84	5.37	8.08	2.62	9.48	3.45	220

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/BH, WHL. TYPE TRACTOR (CONT'D) **********									
	FORD									
6685	340B LDR/BH 16 CF FE BUCKET 48 HP D 24" B/H DIPPER	33,337	8.25	10.46	2.29	3.45	1.26	4.06	1.66	103
6690	445A LDR/BH 3/4 CY FE BUCKET 48 HP D 24" B/H DIPPER	37,012	8.96	11.33	2.56	3.85	1.26	4.52	1.66	114
6695	545A LDR/BH 3/4 CY FE BUCKET 60 HP D 24" B/H DIPPER	39,404	9.83	12.45	2.73	4.11	1.57	4.83	2.07	119
6700	555B LDR/BH 1 CY FE BUCKET 63 HP D 24" B/H DIPPER	44,115	10.94	13.86	3.03	4.56	1.65	5.36	2.17	135
6705	655A LDR/BH 1 CY FE BUCKET 72 HP D 24" B/H DIPPER	49,180	12.22	15.47	3.39	5.10	1.89	6.00	2.48	149
6710	755A LDR/BH 1 1/2 CY FE BUCKET 100 HP D 24" B/H DIPPER	70,054	17.19	21.73	4.86	7.34	2.62	8.63	3.45	167
	MASSEY FERGUSON									
6720	MF 30E LDR/BH 3/4 CY FE BUCKET 48 HP D 24" B/H DIPPER	37,882	9.04	11.39	2.64	3.99	1.26	4.69	1.66	107
6725	MF 50E LDR/BH 1 CY FE BUCKET 65 HP D 24" B/H DIPPER	43,072	10.67	13.46	3.00	4.53	1.70	5.31	2.24	120
6730	MF 50HX LDR/BH 1 CY FE BUCKET 72 HP D 24" B/H DIPPER	45,531	11.52	14.59	3.13	4.71	1.89	5.53	2.48	129
	LOADER/BACKHOE, CRLR TYPE TRACTOR **********									
	CASE									
6745	455C LDR/BHOE 1 CY FE BUCKET 63 HP D 24" B/H DIPPER	71,849	20.17	25.33	5.17	7.96	1.78	9.41	2.35	191
6750	855C LDR/BHOE 1 1/2 CY FE BUCKET 78 HP D 24" B/H DIPPER	79,689	22.70	28.51	5.73	8.83	2.21	10.44	2.91	245
	CATERPILLAR									
6760	931BLDR/BHOE 1 CY FE BUCKET 65 HP D 30" B/H DIPPER	55,832	16.31	20.50	4.02	6.19	1.84	7.31	2.42	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)									
6770	KENT RAM 555 W/NARROW CHISEL	5,372	2.11		0.49	0.77	0.00			6
6775	KENT RAM 999 W/NARROW CHISEL	11,136	4.37		1.01	1.60	0.00			10
6780	KENT RAM 2600 W/CHISEL-MIN 3/4CY B/H	22,450	8.67		2.03	3.21	0.00			22
6785	KENT KHP-12 HYDRA-PAK TAMPER	5,395	1.85		0.49	0.77	0.00			9
6790	KENT KHP225 HYDRA-PAK MIN 3/4CY B/H	8,455	2.88		0.77	1.21	0.00			15
	PILE EXTRACTORS **********									
	VULCAN									
6805	400A 500 FT-LBS 450CFM A	18,958	5.89		1.71	2.71	0.00			30
6810	800A 1000 FT-LBS 900CFM A	24,736	7.86		2.24	3.55	0.00			57
6815	1200A 1640 FT-LBS 1350CFM A	29,098	9.44		2.63	4.17	0.00			97
	PILE HAMMERS, DIESEL ********** (FUEL NOT INCLUDED)									
	MKT CORPORATION									
6830	DE-30B/20B (6-FT) 12,000 FT-LBS	44,570	13.55		4.04	6.39	0.00			64
6835	DE-30B/20B (6-FT) 16,800 FT-LBS	46,054	13.99		4.17	6.60	0.00			72
6840	DE-70B/50B (6-FT) 30,000 FT-LBS	71,674	21.79		6.48	10.27	0.00			127
6845	DE-70B/50B (6-FT) 42,000 FT-LBS	74,992	22.88		6.79	10.75	0.00			148
	PILE HAMMERS, SINGLE ACTING **********									
	VULCAN									
6860	1 15000 FT-LBS 750CFM A	35,669	11.04		3.23	5.11	0.00			101
6865	06 19500 FT-LBS 900CFM A	42,211	13.04		3.82	6.05	0.00			121
6870	08 26000 FT-LBS 1100CFM A	48,037	14.88		4.35	6.89	0.00			175
6875	010 32500 FT-LBS 1350CFM A	51,633	16.08		4.67	7.40	0.00			195

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
	PILE HAMMERS, SINGLE ACTING (CONT'D) **********									
	VULCAN (CONT'D)									
6880	012 39000 FT-LBS 1500CFM A	61,131	18.80		5.53	8.76	0.00			287
6885	014 42000 FT-LBS 1750CFM A	73,714	22.83		6.67	10.56	0.00			283
6890	016 48750 FT-LBS 1750CFM A	83,496	25.74		7.56	11.97	0.00			320
6895	020 60000 FT-LBS 2150CFM A	109,681	33.73		9.92	15.72	0.00			425
6900	030 90000 FT-LBS 2350CFM A	124,637	38.29		11.28	17.87	0.00			575
	PILE HAMMERS, DOUBLE ACTING **********									
	I.C.E									
6915	180 8100 FT-LBS 23 HP D	28,459	9.24		2.58	4.08	0.60			54
6920	440 18100 FT-LBS 50 HP D	59,888	19.51		5.42	8.58	1.31			130
6925	520 30000 FT-LBS 76 HP D	69,396	23.24		6.28	9.95	1.99			156
6930	640 40000 FT-LBS 90 HP D	73,025	24.80		6.61	10.47	2.36			186
6935	660 50000 FT-LBS 133 HP D	98,363	33.82		8.90	14.10	3.49			309
6940	1070 70000 FT-LBS 136 HP D	117,433	39.58		10.63	16.84	3.57			252
	MITSUBISHI									
6950	MH-15 16300 FT-LBS 45 HP D	64,785	21.12		5.87	9.29	1.18			95
6955	MH-25 27500 FT-LBS 79 HP D	78,947	26.66		7.15	11.32	2.07			147
6960	MH-35 38600 FT-LBS 116 HP D	98,435	33.83		8.91	14.11	3.04			205
6965	MH-45 50200 FT-LBS 129 HP D	125,881	42.53		11.39	18.04	3.38			271
6970	MH-72 LAND 79500 FT-LBS 216 HP D	234,656	78.46		21.23	33.63	5.66			456
6975	MH-80 OFFSHORE 88000 FT-LBS 268 HP D	270,370	91.17		24.46	38.75	7.03			456
	MKT CORPORATION									
6985	9-B-3 8750 FT-LBS 900CFM A	35,000	10.91		3.17	5.02	0.00			72
6990	10-B-3 13100 FT-LBS 1200CFM A	37,221	11.72		3.37	5.34	0.00			111
6995	11-B-3 19150 FT-LBS 1200CFM A	49,691	15.41		4.50	7.12	0.00			141
7000	5 (SELF STOP) 1000 FT-LBS 375CFM A	12,699	4.02		1.15	1.82	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)									
7005	6 (SELF STOP) 2500 FT-LBS 600CFM A	16,051	5.10		1.45	2.30	0.00			31
7010	7 (SELF STOP) 4150 FT-LBS 750CFM A	20,021	6.39		1.81	2.87	0.00			50
	VULCAN									
7020	50C 15100 FT-LBS 1250CFM A	48,234	15.00		4.36	6.91	0.00			153
7025	65C 19200 FT-LBS 1450CFM A	55,270	17.21		5.00	7.92	0.00			153
7030	80C 24450 FT-LBS 1750CFM A	59,314	18.56		5.37	8.50	0.00			184
7035	100C 32900 FT-LBS 2050CFM A	72,663	22.69		6.57	10.41	0.00			232
7040	140C 36000 FT-LBS 2150CFM A	89,743	27.81		8.12	12.86	0.00			287
7045	200C 50200 FT-LBS 2550CFM A	129,947	39.98		11.76	18.63	0.00			398
	PILE HAMMERS, VIBRATORY **********									
	MKT CORPORATION									
7060	V5B WITH POWER PACK 95 HP D	66,948	23.17		6.06	9.60	2.49			110
7065	V16B WITH POWER PACK 156 HP D	118,919	40.70		10.76	17.04	4.09			215
7070	V20 WITH POWER PACK 310 HP D	175,072	62.71		15.84	25.09	8.13			257
7075	V30 WITH POWER PACK 510 HP D	201,755	77.55		18.26	28.92	13.37			350
7080	V36 WITH POWER PACK 580 HP D	255,682	95.99		23.13	36.64	15.21			450
	PIPELAYER *********									
	CATERPILLAR									
7095	561D 15 FT BOOM, 40,000 LB CAP 105 HP D	121,895	21.85	26.97	7.78	11.45	1.52	12.98	1.96	357
7100	571G 18 FT BOOM, 60,000 LB CAP 200 HP D	197,349	36.01	44.45	12.61	18.55	2.90	21.01	3.73	502
7105	572G 18 FT BOOM, 90,000 LB CAP 200 HP D	224,622	40.42	49.88	14.35	21.11	2.90	23.92	3.73	605
7110	583K 20 FT BOOM, 140,000 LB CAP 300 HP D	282,126	51.76	63.91	18.02	26.52	4.35	30.04	5.59	905
7115	594H 24 FT BOOM, 200,000 LB CAP 410 HP D	394,028	72.10	89.03	25.16	37.03	5.94	41.96	7.64	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									
7130	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,908	3.42		1.10	1.78	0.00			11
7135	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,765	1.30		0.40	0.65	0.00			5
7140	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	19,045	5.13		1.63	2.63	0.00			18
7145	CG-620 COLLOIDAL ADD-ON TO CG-500	8,224	2.14		0.71	1.14	0.00			11
	PUMPS, WATER (FOR CORE DRILLS) **********									
	ACKER									
7160	MOD APS 11-5 6 GPM UP TO 100 PS 2 HP G	778	0.36		0.06	0.09	0.16			2
	PUMPS, WATER,CENTRIFUGAL,DEWATERING **********									
	HOMELITE - SKID MOUNTED									
7175	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	484	0.31		0.04	0.06	0.16			1
7180	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	624	0.44		0.05	0.07	0.24			1
7185	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	1,156	1.05		0.09	0.13	0.63			2
	MARLOW - WHEEL MOUNTED									
7195	MOD 4D2 465 GPM @ 20 ' HEAD 43 HP G	9,225	6.24		0.65	0.99	3.40			14
7200	MOD 4C7 595 GPM @ 20 ' HEAD 30 HP D	9,327	3.29		0.67	1.01	1.10			10
7205	MOD 6E4A 1100 GPM @ 20 ' HEAD 79 HP G	12,991	10.71		0.92	1.40	6.25			15
7210	MOD 6E4A 1100 GPM @ 20 ' HEAD 60 HP D	14,603	5.79		1.03	1.57	2.19			24
7215	MOD 8FA3 2320 GPM @ 20 ' HEAD 70 HP D	22,613	7.82		1.61	2.44	2.56			23
7220	MOD 10FA61 2775 GPM @ 20 ' HEAD 68 HP D	24,063	7.99		1.70	2.59	2.49			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									
7235	MOD 121TP 2" - 11500 GPH @ 20' H 5 HP G	1,002	0.71		0.07	0.10	0.40			1
7240	MOD 120 3" - 23000 GPH @ 20' H 8 HP G	1,369	1.09		0.10	0.15	0.63			2
7245	MOD 160TP 4" - 36500 GPH @ 20' H 16 HP G	2,807	2.21		0.20	0.30	1.27			4
	PUMPS, WATER,DIAPHRAGM **********									
	HOMELITE - SKID MOUNTED									
7260	MOD 111DP 2" - 1900 GPH @ 10' HD 3 HP G	1,255	0.55		0.09	0.13	0.24			1
7265	MOD 111DP 3" - 4800 GPH @ 10' HD 3 HP G	1,398	0.58		0.10	0.15	0.24			2
	PUMPS, WATER, SUBMERSIBLE **********									
	GORMAN-RUPP									
7280	MOD S2A1 2" - 138 GPM @ 20' HD 2 HP E	1,699	0.45		0.13	0.19	0.13			2
7285	MOD S3A1 3" - 278GPM @ 20' HD 5 HP E	2,427	0.85		0.17	0.26	0.34			3
7290	MOD S4A1 4" - 860 GPM @ 40' HD 25 HP E	8,614	3.73		0.61	0.93	1.69			12
7295	MOD S6A1 6" - 1950 GPM @ 40' HD 60 HP E	11,232	7.54		0.80	1.21	4.05			14
	MARLOW									
7305	MOD 2S11 2" - 84 GPM @ 20' HD 1 HP E	1,309	0.29		0.09	0.14	0.07			1
7310	MOD 3S22 3" - 190 GPM @ 20' HD 2 HP E	1,864	0.47		0.13	0.20	0.13			1
7315	MOD 4S83 4" - 550 GPM @ 25' HD 8 HP E	2,546	1.16		0.19	0.28	0.54			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									
7330	V-RAR-1 SINGLE SHANK EXTREME SVC	39,059	9.51	12.94	3.22	5.12	0.00	6.43	0.00	141
7335	V-RAR-1 SHANKS EA W/GUARD	3,057	0.73	1.01	0.25	0.40	0.00	0.51	0.00	15
7340	LPAF-D8K PARALLEL LIFT	24,750	6.03	8.20	2.04	3.24	0.00	4.07	0.00	101
7345	D-8K SHANKS EA	1,944	0.47	0.64	0.17	0.26	0.00	0.32	0.00	11
7350	LPAF-D7G PARALLEL LIFT	18,500	4.51	6.14	1.52	2.42	0.00	3.05	0.00	57
7355	D-7G SHANKS EA	851	0.20	0.28	0.07	0.11	0.00	0.14	0.00	5
7360	V-LPRF-TD25E PARALLEL LIFT STD SVC	21,262	5.20	7.06	1.76	2.79	0.00	3.50	0.00	97
7365	TD-25C SHANKS EA	1,921	0.46	0.63	0.16	0.25	0.00	0.32	0.00	8
7370	V-LPRF-TD20E PARALLEL LIFT STD SVC	15,380	3.77	5.13	1.27	2.02	0.00	2.54	0.00	51
7375	TD-20E SHANKS EA	1,228	0.29	0.40	0.10	0.16	0.00	0.20	0.00	4
7380	PS-TD15C RADIAL LIFT	8,998	2.24	3.03	0.74	1.18	0.00	1.48	0.00	22
7385	TD-15C SHANKS EA	488	0.12	0.16	0.05	0.07	0.00	0.08	0.00	1
7390	V-LPRF 82-50 PARALLEL LIFT STD SVC	23,725	5.77	7.86	1.96	3.11	0.00	3.91	0.00	105
7395	82-50 SHANKS EA	1,921	0.46	0.63	0.16	0.25	0.00	0.32	0.00	8
7400	V-LPRF-82-30E PARALLEL LIFT	21,089	5.13	7.00	1.74	2.76	0.00	3.48	0.00	89
7405	82-30 SHANKS EA	2,599	0.62	0.85	0.22	0.34	0.00	0.43	0.00	8
7410	HBS-HYDR BANK SLOPER 260-475 HP	9,291	1.92	2.43	0.67	1.03	0.00	1.21	0.00	28
	CATERPILLAR									
7420	D-11N MULTI-SHANK BEAM	51,611	12.62	17.16	4.25	6.76	0.00	8.50	0.00	170
7425	D-11N SHANKS EA	3,789	0.91	1.24	0.32	0.50	0.00	0.62	0.00	15
7430	D-11N SINGLE-SHANK BEAM	55,923	13.63	18.54	4.61	7.33	0.00	9.20	0.00	183
7435	D-10 MULTI-SHANK BEAM	52,027	12.69	17.27	4.29	6.82	0.00	8.57	0.00	218
7440	D-10 SHANKS EA	3,792	0.91	1.24	0.32	0.50	0.00	0.62	0.00	15
7445	D-10 SINGLE-SHANK BEAM	55,378	13.48	18.34	4.57	7.26	0.00	9.11	0.00	209
7450	D-9 MULTI-SHANK BEAM W/HYD-CONTROL	44,095	10.73	14.60	3.64	5.78	0.00	7.26	0.00	162
7455	D-9 SHANKS EA	3,410	0.82	1.12	0.29	0.45	0.00	0.56	0.00	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
	RIPPER & HYDR BANK SLOPER (CONT'D) ********** (DOES NOT INCLUDE COST OF POINT WEAR)									
	CATERPILLAR (CONT'D)									
7460	D-9 SINGLE-SHANK BEAM HYD-CNTL&SHAN	41,044	9.99	13.60	3.38	5.37	0.00	6.75	0.00	156
7465	D-8 MULTI-SHANK BEAM HYD-CONTROL	29,743	7.22	9.85	2.45	3.89	0.00	4.90	0.00	98
7470	D-8 SHANKS EA	1,917	0.46	0.63	0.16	0.25	0.00	0.32	0.00	7
7475	D-8 SINGLE-SHANK BEAM HYD-CNTL&SHAN	28,920	7.03	9.57	2.39	3.79	0.00	4.76	0.00	101
7480	D-7 MULTI-SHANK BEAM HYD-CONTROL	17,103	4.18	5.69	1.41	2.24	0.00	2.82	0.00	67
7485	D-7 SHANKS EA	991	0.24	0.32	0.08	0.13	0.00	0.16	0.00	3
7490	D-6 MULTI-SHANK BEAM HYD-CONTROL	10,394	2.57	3.48	0.86	1.36	0.00	1.71	0.00	34
7495	D-6 SHANKS EA	579	0.14	0.19	0.05	0.08	0.00	0.10	0.00	2
7500	D-5 SINGLE-SHANK BEAM HYD-CONTROL	8,029	2.00	2.71	0.66	1.05	0.00	1.32	0.00	17
7505	D-5 SHANKS EA	579	0.14	0.19	0.05	0.08	0.00	0.10	0.00	2
7510	D-4 SINGLE-SHANK BEAM HYD-CONTROL	4,892	1.26	1.68	0.41	0.65	0.00	0.80	0.00	12
7515	D-4 SHANKS EA	292	0.07	0.10	0.03	0.04	0.00	0.05	0.00	1
7520	D-3 THREE- SHANK BEAM HYD-CONTROL	2,742	0.74	0.99	0.23	0.36	0.00	0.46	0.00	7
7525	D-3 SHANKS EA	145	0.03	0.05	0.01	0.01	0.00	0.03	0.00	1
	FIAT-ALLIS									
7535	FD-50 W/HYD-CNTL AND 1 SHANK	55,796	13.65	18.56	4.60	7.31	0.00	9.19	0.00	280
7540	FD-40 W/HYD-CNTL AND 2 SHANKS	44,018	10.74	14.62	3.62	5.76	0.00	7.25	0.00	200
7545	FD-30 W/HYD-CNTL AND 2 SHANKS	33,253	8.07	10.99	2.74	4.36	0.00	5.47	0.00	108
7550	RP20B W/HYD-CNTL AND 3 SHANKS	20,692	5.05	6.86	1.71	2.71	0.00	3.40	0.00	88
	ROLLER, RUBBER TIRED, SELF-PROPELLED **********									
	FERGUSON									
7565	MOD SP-912 12 TON 85 HP D	41,909	10.98		2.99	4.61	2.23			99
7570	MOD SP-915 15 TON 85 HP D	45,282	11.83		3.31	5.10	2.23			135
7575	MOD SP-1118 18 TON 85 HP D	53,738	13.28		3.84	5.91	2.23			124
7580	MOD SP-1130 30 TON 125 HP D	86,001	21.08		6.09	9.35	3.28			242

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, R/T,SELF-PROPELLED (CONT'D) **********												
	INGRAM												
7590	9-2800-P	12 TON	76 HP	D	36,657	9.67		2.61	4.02	1.99			73
7595	9-2800-PA	12 TON	76 HP	D	39,419	10.21		2.81	4.33	1.99			86
7600	9-3400-P	15 TON	78 HP	D	40,334	10.45		2.88	4.43	2.05			97
7605	11-2700	15 TON	107 HP	G	38,876	15.25		2.76	4.25	6.14			89
7610	11-2700	15 TON	76 HP	D	43,294	10.97		3.09	4.75	1.99			91
7615	13-2300	15 TON	107 HP	G	40,644	15.62		2.89	4.44	6.14			86
7620	13-2300	15 TON	76 HP	D	45,078	11.35		3.21	4.94	1.99			90
7625	9-6000	27 TON	117 HP	D	98,633	23.35		6.95	10.66	3.07			205
	TAMPO												
7635	SP-312	12 TON	68 HP	D	39,983	10.05		2.85	4.39	1.78			66
7640	SP-518	15 TON	68 HP	D	49,555	11.93		3.54	5.45	1.78			95
7645	SP-950	27 TON	130 HP	D	102,219	24.43		7.22	11.09	3.41			198
7650	SP-1070 M	35 TON	130 HP	D	122,961	29.04		8.48	12.93	3.41			258
	ROLLER, RUBBER TIRED, TOWED **********												
	FERGUSON												
7665	RT-100S	50 TON			67,786	13.17		4.24	6.25	0.00			200
7670	RT-120S	60 TON			79,945	16.13		5.41	8.19	0.00			218
	SOUTHWEST												
7680	C 50	50 TON			82,920	16.31		5.37	8.01	0.00			344
7685	C 75	75 TON			89,851	17.64		5.64	8.33	0.00			408
7690	C 100XL	100 TON			122,098	24.11		7.96	11.92	0.00			601
	TAMPO												
7700	R-13	14 TON			10,146	2.07		0.68	1.03	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	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									
7715	MOD 112 40"X48" 3-7 TON	14,337	2.93		1.04	1.60	0.00			65
7720	MOD 112W 40"X48" 4.5-8 TON	18,226	3.69		1.32	2.04	0.00			91
7725	MOD 112W-48 48"X48" 5-10 TON	18,779	3.80		1.36	2.10	0.00			105
7730	MOD 120 60"X60" 8-18 TON	28,119	5.61		2.03	3.14	0.00			157
7735	MOD 120 MOD 60"X60" 8-18 TON	43,022	8.51		3.11	4.81	0.00			230
7740	MOD 120-RE 60"X60" 16-20 TON	64,804	12.74		4.68	7.24	0.00			327
7745	MOD 22 60"X72" 16-20 TON	42,526	8.42		3.07	4.75	0.00			215
7750	MOD 22 MOD 60"X72" 16-20 TON	49,396	9.75		3.57	5.52	0.00			269
7755	MOD 144-RE 60"X72" 19-24 TON	76,280	14.97		5.51	8.52	0.00			385
	TAMPO									
7765	H-1 TF 40"X48" 2.6TON	6,338	1.39		0.46	0.71	0.00			32
7770	H-2 TF 40"X48" 5 TON	12,818	2.65		0.93	1.43	0.00			63
	ROLLER, SHEEPSFOOT,DD,SELF-PROPELLED **********									
	CATERPILLAR									
7785	815B 56" Dia. X 38.5" L 210 HP D	160,818	38.07		11.62	17.96	5.51			420
7790	816B LANDFILL 63" X 40" W/BLADE 210 HP D	161,038	38.11		11.64	17.99	5.51			451
7795	825C 51" X 44" 310 HP D	241,821	57.06		17.48	27.02	8.13			654
7800	825C W/S BLADE 310 HP D	255,793	59.78		18.49	28.58	8.13			706
7805	826C LANDFILL 60" X 48" W/BLADE 310 HP D	253,061	59.25		18.29	28.28	8.13			680
	HYSTER									
7815	C455-B TANDEM 80"X80" ARTIC 330 HP D	270,421	63.27		19.55	30.22	8.65			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									
7830	3-5 TON TANDEM 52 HP D	28,182	7.16		2.03	3.14	1.36			77
7835	4-6 TON TANDEM 52 HP D	33,623	8.22		2.43	3.75	1.36			96
7840	5-8 TON TANDEM 85 HP D	51,368	12.73		3.71	5.73	2.23			136
7845	8-10 TON TANDEM 85 HP D	53,678	13.19		3.88	6.00	2.23			174
7850	8-12 TON TANDEM 85 HP D	56,079	13.66		4.06	6.27	2.23			176
7855	10-14 TON TANDEM 85 HP D	58,429	14.11		4.23	6.53	2.23			219
	INGRAM									
7865	12 TON EB 3 WHEEL 3" OVERLAP 107 HP G	56,149	18.52		4.06	6.27	6.14			194
7870	12 TON EB 3 WHEEL 3" OVERLAP 85 HP D	60,256	14.47		4.36	6.74	2.23			196
7875	14 TON EB 3 WHEEL 3" OVERLAP 107 HP G	59,553	19.18		4.30	6.65	6.14			221
7880	14 TON EB 3 WHEEL 3" OVERLAP 85 HP D	63,660	15.14		4.61	7.12	2.23			223
7885	4-6 TON FB 2 WHEEL TANDEM 54 HP G	27,576	9.20		1.99	3.08	3.10			82
7890	6-9 TON GB 2 WHEEL TANDEM 107 HP G	37,404	14.88		2.71	4.18	6.14			133
7895	6-9 TON GB 2 WHEEL TANDEM 85 HP D	41,512	10.83		3.00	4.64	2.23			135
7900	8-12 TON HB 2 WHEEL TANDEM 107 HP G	45,366	16.43		3.28	5.07	6.14			171
7905	8-12 TON HB 2 WHEEL TANDEM 85 HP D	49,474	12.37		3.58	5.53	2.23			173
7910	10-14 TON HB 2 WHEEL TANDEM 107 HP G	48,933	17.11		3.53	5.46	6.14			203
7915	10-14 TON HB 2 WHEEL TANDEM 85 HP D	53,039	13.07		3.84	5.93	2.23			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	CWT
	ROLLER, VIBRATORY, SINGLE DRUM, TOWED ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
7930	CK-11 40HZ 30"X55" 5 TON 18 HP G	13,850	5.51		1.15	1.83	1.43			31
7935	CF-11 40HZ TF 30"X55" 5 TON 18 HP G	16,959	6.32		1.41	2.24	1.43			32
7940	CH-47 27HZ 47"X74" 13 TON 43 HP D	35,834	11.43		2.97	4.74	1.57			130
7945	CF-47 27HZ TF 47"X74" 13 TON 43 HP D	39,275	12.34		3.26	5.20	1.57			135
7950	CK-51 25HZ 59"X83" 24 TON 95 HP D	54,858	18.91		4.55	7.25	3.47			221
7955	CF-51 25HZ TF 59"X83" 24 TON 95 HP D	57,858	19.69		4.80	7.65	3.47			226
	FERGUSON									
7965	65 25HZ TF 60"X72" 11 TON 49 HP D	38,599	12.44		3.20	5.10	1.79			110
7970	65T 30HZ TF 44"X72" 11 TON 49 HP D	41,965	13.32		3.48	5.55	1.79			127
7975	230 25HZ 66"X78" 20 TON 77 HP D	67,513	21.35		5.59	8.92	2.82			237
7980	230T 25HZ TF 66"X78" 21 TON 77 HP D	73,451	22.90		6.09	9.71	2.82			268
	HYSTER									
7990	C200B 30HZ 48"X60" 9 TON 36 HP G	25,433	10.40		2.11	3.36	2.85			72
7995	C210A 30HZ TF 58"X60" 9 TON 36 HP G	31,169	11.90		2.58	4.12	2.85			92
	RAYGO									
8005	SF-54A TF 38HZ 30"X54" 7.5TON 30 HP D	19,980	6.67		1.66	2.64	1.10			48
8010	SM-54A 38HZ 30"X54" 7.5TON 30 HP D	18,123	6.19		1.51	2.40	1.10			48
	SOUTHWEST									
8020	756 25HZ TF 66"X78"23.5TON 75 HP D	92,721	27.84		7.69	12.26	2.74			240
8025	566 33HZ TF 56"X72"25.5TON 50 HP D	62,673	18.78		5.19	8.28	1.83			165

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
	ROLLER,VIB,SINGLE DRUM,SELF-PROPELLED									
	**********									
	TF=ROLLER W/TAMPING FEET									
	VIBRATION FREQUENCY IN HERTZ									
	DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
8040	CA-15 29HZ 48"X66" 11 TON 73 HP D	63,056	20.04		5.18	8.25	2.67			132
8045	CA-15A 42HZ 48"X66" 12 TON 85 HP D	72,792	23.28		5.89	9.34	3.11			144
8050	CA-15PD 29HZ TF 53"X66" 13 TON 85 HP D	83,254	25.90		6.86	10.93	3.11			157
8055	CA-25A 40HZ 60"X84" 18 TON 125 HP D	93,278	30.53		7.61	12.09	4.57			200
8060	CA-25 28HZ 60"X84" 18 TON 125 HP D	86,959	28.86		7.10	11.28	4.57			200
8065	CA-25S 28HZ 61"X84" 22 TON 125 HP D	93,554	30.59		7.65	12.16	4.57			225
8070	CA-25PD 28HZ 68"X84" 22 TON 125 HP D	107,892	34.33		8.84	14.05	4.57			248
8075	CA-30 28HZ 61"X84" 22 TON 125 HP D	96,342	31.32		7.88	12.53	4.57			242
8080	CA-30D 28HZ 61"X84" 22 TON 125 HP D	104,330	33.40		8.54	13.58	4.57			252
	FERGUSON									
8090	SP 266A 42HZ 48"X66" 15 TON 125 HP D	90,686	29.72		7.52	11.99	4.57			225
8095	SP 75 30HZ 60"X84" 22.5 TON 85 HP D	74,793	23.76		6.10	9.68	3.11			191
8100	SP 75D 30HZ 60"X84" 22.5 TON 120 HP D	79,391	26.64		6.47	10.28	4.39			193
8105	SP 75DT 30HZ TF 60"X84" 22.5 TON 120 HP D	90,226	29.47		7.37	11.71	4.39			236
	INGERSOLL RAND									
8115	SPF-56 30HZ TF 56"X84" 21 TON 115 HP D	96,152	30.79		7.86	12.50	4.21			222
8120	SP-60DD 25HZ 60"X100" 30 TON 203 HP D	142,250	47.22		11.58	18.38	7.42			377
	RAYGO									
8130	RASCAL 220A 30HZ TF38"X48" 6 TON 70 HP D	58,548	18.69		4.83	7.69	2.56			97
8135	RASCAL 303A 38HZ 48"X66" 8 TON 70 HP D	58,411	18.69		4.80	7.64	2.56			137
8140	RASCAL 320A 25HZ TF48"X60" 8 TON 80 HP D	77,888	24.24		6.42	10.23	2.93			151
8145	RASCAL 320S 25HZ 48"X60" 8 TON 80 HP D	67,358	21.52		5.54	8.82	2.93			144
8150	RUSTLER 304A 28HZ 48"X66" 8 TON 70 HP D	66,013	20.79		5.33	8.44	2.56			130
8155	RUSTLER 404B 28HZ 59"X84" 13.5TON 88 HP D	88,152	27.37		7.21	11.46	3.22			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)									
8160	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	101,944	32.49		8.36	13.29	4.35			225
8165	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	81,521	27.44		6.65	10.56	4.57			224
8170	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	119,715	37.14		9.80	15.58	4.35			358
8175	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	104,096	33.07		8.51	13.52	4.35			316
8180	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	89,151	29.50		7.23	11.47	4.57			263
	TAMPO									
8190	RS-16A 26HZ 48'X24" 7.5TON 68 HP D	67,882	21.18		5.48	8.68	2.49			124
8195	RS-16 26HZ 48"X24" 8 TON 68 HP D	59,880	18.98		4.93	7.84	2.49			115
8200	RS-16D 26HZ 48"X24" 8 TON 80 HP D	70,190	22.25		5.78	9.20	2.93			123
8205	RH-16A 26HZ 48"X24" 9 TON 75 HP D	77,042	23.90		6.24	9.89	2.74			153
8210	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	76,613	23.93		6.31	10.05	2.93			127
8215	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	100,696	31.72		8.23	13.09	4.02			212
8220	RS-28C 25HZ 60"X84" 15 TON 107 HP D	83,707	27.15		6.84	10.86	3.91			202
8225	RS-28D 25HZ 60"X84" 15 TON 107 HP D	90,507	28.92		7.39	11.75	3.91			208
8230	RH-28D 28HZ 60"X84"22.5TON 110 HP D	115,267	35.53		9.44	15.02	4.02			259
	ROLLER,VIB,DOUBLE DRUM,SELF-PROPELLED ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
8245	LR-50 60HZ TANDEM 2 TON 16 HP D	11,873	3.88		0.99	1.57	0.59			25
8250	CC-10 50HZ TANDEM 2 TON 34 HP D	31,387	9.84		2.60	4.15	1.24			50
8255	CC-21 50HZ TANDEM 4 TON 71 HP D	74,015	22.76		6.13	9.78	2.60			137
8260	CC-42II 42HZ TANDEM 12 TON 125 HP D	99,385	31.99		8.24	13.14	4.57			200
8265	CC-50A 40HZ TANDEM 18 TON 155 HP D	119,988	38.82		9.94	15.86	5.67			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)									
8270	CC-50S 28HZ TANDEM 22 TON 181 HP D	145,010	46.62		12.02	19.17	6.62			342
8275	CC-50PD 28HZ TF TANDEM 22 TON 181 HP D	168,160	52.66		13.94	22.23	6.62			419
	RAYGO									
8285	REBEL 1-36 40HZ TANDEM 2 TON 16 HP D	11,376	3.75		0.94	1.50	0.59			23
8290	ROMPER 2-36 40HZ TANDEM 4 TON 35 HP D	26,159	8.52		2.17	3.46	1.28			40
8295	RUSTLER 5604A 50HZ TANDEM 5.5TON 70 HP D	67,986	21.14		5.64	8.99	2.56			132
8300	RUSTLER 7204A 38HZ TANDEM 8 TON 115 HP D	90,512	29.20		7.50	11.96	4.21			250
8305	RANGER 2-66 38HZ TANDEM 8 TON 119 HP D	120,791	37.29		10.01	15.97	4.35			215
	TAMPO									
8315	RS-03 60HZ 36"X24" 2 TON 14 HP G	11,721	4.52		0.97	1.55	1.11			23
8320	RS-144A 50HZ 42"X48" 8 TON 52 HP D	60,690	18.36		5.03	8.02	1.90			100
8325	RS-166A 36HZ 48"X66" 16 TON 80 HP D	90,395	27.48		7.49	11.95	2.93			200
8330	RS-188A 36HZ 60"X84" 30 TON 156 HP D	114,439	37.42		9.49	15.13	5.70			320
8335	RH-199 25HZ 60"X96" 45 TON 262 HP D	203,196	65.72		16.84	26.86	9.58			491
	ROOFING EQUIPMENT **********									
	AEROIL									
8350	EZ LOAD 240 GAL. KETTLE	5,930	2.35		0.61	1.01	0.00			17
8355	EZ LOAD 400 GAL. KETTLE	7,427	2.82		0.76	1.26	0.00			23
8360	EZ LOAD 600 GAL. KETTLE	9,756	3.79		0.99	1.64	0.00			38
8365	JOB TANK 2000 GAL. TRLR MTD.	27,071	9.84		2.63	4.34	0.00			81
8370	MOD 52 HYDRAULIC CONVEYOR 52'H 23 HP G	19,119	7.52		1.98	3.30	1.22			39
8375	MOD 62 HYDRAULIC CONVEYOR 62'H 23 HP G	21,315	8.20		2.20	3.67	1.22			55
8380	MOD 68 HYDRAULIC CONVEYOR 68'H 23 HP G	24,193	9.11		2.50	4.17	1.22			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)									
8385	MOD S RHINO ROOF PEELER 16" WIDE 10 HP G	3,437	1.75		0.36	0.60	0.53			4
8390	MARK I ROOF CUTTER SINGLE BLADE 7 HP G	1,102	0.81		0.12	0.19	0.37			2
8395	MARKII ROOF CUTTER DOUBLE BLADE 10 HP G	1,727	1.20		0.18	0.30	0.53			3
	GARLOCK									
8405	MOD 115 KETTLE 115 GAL.	1,787	1.04		0.18	0.29	0.00			9
8410	MOD 175 KETTLE 175 GAL. W/PUMP	3,487	1.57		0.35	0.58	0.00			12
8415	MOD 380 KETTLE 380 GAL. W/PUMP	5,262	2.39		0.54	0.89	0.00			24
8420	MOD 580 KETTLE 580 GAL. W/PUMP	6,599	2.80		0.67	1.11	0.00			32
8425	MOD 62 HYDRAULIC CONVEYOR 62'H 25 HP G	20,882	8.23		2.17	3.63	1.33			60
8430	MOD 72 HYDRAULIC CONVEYOR 72'H 25 HP G	26,601	10.02		2.76	4.61	1.33			70
8435	MOD1400 HYDR. SWING HOIST 18 HP G	7,488	3.55		0.78	1.30	0.96			7
8440	MOD 82 POWER SWEEPER 4 HP G	1,490	0.73		0.16	0.26	0.21			2
8445	ROTARY PLANER 8 HP G	1,220	0.90		0.13	0.21	0.42			2
8450	MOD 21 ROOF CUTTER 21" 10 HP G	1,509	1.13		0.16	0.26	0.53			3
8455	MOD 30 ROOF CUTTER 30" 10 HP G	1,550	1.15		0.16	0.27	0.53			3
	SCRAPERS, SELF-PROPELLED ********** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	CATERPILLAR									
8470	613-C 13 T 11 CY P.S. 175 HP D	140,253	35.26	45.61	9.75	14.89	4.71	17.57	6.16	330
8475	615 19 T 14-16 CY P.S. 250 HP D	208,536	51.49	67.40	14.63	22.62	6.73	26.77	8.80	514
8480	621-E 24 T 14-20 CY P.S. 330 HP D	271,069	63.92	83.44	19.12	29.62	7.97	35.08	10.47	670
8485	623-E 25 T 22 CY P.S. 330 HP D	300,853	71.96	93.49	21.31	33.06	8.88	39.17	11.61	743
8490	627-E 24 T 14-20 CY P.S. 225/225 HP D/D	310,556	79.00	104.06	22.03	34.18	11.49	40.50	14.90	758
8495	627-E PP 24 T 14-20 CY P.S. 225/225 HP D/D	329,511	82.49	108.42	23.42	36.37	11.49	43.10	14.90	790
8500	631-E 37.5T 21-31 CY P.S. 450 HP D	416,796	96.21	125.44	29.43	45.62	10.87	54.04	14.28	946

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
	SCRAPERS, SELF-PROPELLED (CONT'D) ********** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	CATERPILLAR (CONT'D)									
8505	637-E 37.5T 21-31 CY P.S. 450/250 HP D/D	542,551	133.36	174.61	38.70	60.16	17.87	71.31	23.18	1100
8510	637-E PP 37.5T 21-31 CY P.S. 450/250 HP D/D	565,765	137.63	179.95	40.40	62.83	17.87	74.49	23.18	1136
8515	651-E 52 T 32-44 CY P.S. 550 HP D	549,838	125.79	164.16	38.79	60.10	13.28	71.17	17.46	1328
8520	657-E 52 T 32-44 CY P.S. 550/400 HP D/D	665,818	167.96	220.74	47.32	73.49	24.25	87.10	31.46	1522
8525	657-E PP 52 T 32-44 CY P.S. 550/400 HP D/D	705,795	175.34	229.93	50.27	78.11	24.25	92.58	31.46	1597
	FIAT-ALLIS									
8535	161 18.7 T 15 CY P.S. 229 HP D	185,452	45.40	59.07	13.11	20.33	6.16	24.09	8.06	466
8540	260B 25.0 T 15-21 CY P.S. 325 HP D	245,310	58.80	76.83	17.28	26.76	7.85	31.69	10.32	585
8545	261B 26.5 T 23 CY P.S. 325 HP D	275,360	66.47	86.21	19.55	30.34	8.75	35.94	11.44	635
8550	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	296,063	76.86	100.85	21.07	32.73	12.66	38.79	16.43	679
8555	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	353,754	87.97	115.03	25.26	39.28	12.66	46.56	16.43	742
	INTERNATIONAL									
8565	412B 13 T 11 CY P.S. 125 HP D	133,989	31.93	41.18	9.35	14.29	3.36	16.86	4.40	335
8570	431B 24 T 14-21 CY P.S. 326 HP D	261,996	62.16	81.26	18.45	28.57	7.87	33.84	10.35	609
8575	433B 24 T 14-21 CY P.S. 326/185 HP D/D	307,620	80.41	105.93	21.81	33.84	13.05	40.10	16.92	700
8580	442B 25 T 22 CY P.S. 326 HP D	292,856	70.34	91.46	20.72	32.13	8.77	38.07	11.47	680
	JOHN DEERE									
8590	JD762A 13.7 T 11 CY P.S. 175 HP D	133,804	33.77	43.59	9.33	14.26	4.71	16.83	6.16	355
8595	JD862 20.0 T 16 CY P.S. 250 HP D	181,847	45.49	59.22	12.85	19.92	6.73	23.59	8.80	492
	M-R-S									
8605	I- 92/90ES 17T 14 CY P.S. 240 HP D	203,413	50.00	65.40	14.28	22.09	6.46	26.16	8.45	484
8610	I-100/S100 25T 15-22 CY P.S. 310 HP D	324,941	77.46	103.22	22.43	34.53	7.49	40.84	9.84	872
8615	I-100/100ES 25T 22 CY P.S. 310 HP D	340,874	83.08	110.24	23.60	36.37	8.34	43.02	10.91	930

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
	SCRAPERS, SELF-PROPELLED (CONT'D) ********** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	M-R-S (CONT'D)									
8620	I-105/S105 37T 21-30 CY P.S. 422 HP D	399,806	94.75	125.18	27.83	42.95	10.19	50.82	13.39	924
8625	I-105/105ES 31T 27 CY P.S. 422 HP D	411,665	100.44	132.28	28.71	44.33	11.36	52.46	14.85	990
8630	I-110/S105 37T 21-30 CY P.S. 482 HP D	474,262	113.29	150.59	32.94	50.80	11.64	60.09	15.30	954
8635	I-110/105ES 31T 27 CY P.S. 482 HP D	486,123	119.53	158.39	33.80	52.16	12.97	61.72	16.96	1020
8640	I-110/110ES 40T 32 CY P.S. 482 HP D	509,385	123.95	163.99	35.47	54.75	12.97	64.80	16.96	1092
8645	I-110/S110 42T 25-34 CY P.S. 482 HP D	490,420	116.31	154.45	34.07	52.56	11.64	62.19	15.30	1061
8650	I-115/S105 37T 21-30 CY P.S. 550 HP D	510,849	123.61	164.67	35.44	54.65	13.28	64.66	17.46	994
8655	I-115/S110 42T 25-34 CY P.S. 550 HP D	527,006	126.64	168.51	36.58	56.42	13.28	66.75	17.46	1101
8660	I-115/S120 48T 30-39 CY P.S. 550 HP D	577,133	135.63	179.71	40.28	62.22	13.28	73.63	17.46	1236
8665	I-115/110ES 40T 32 CY P.S. 550 HP D	545,972	134.72	178.56	37.99	58.62	14.80	69.35	19.35	1132
8670	I-120/S110 42T 25-34 CY P.S. 615 HP D	557,442	134.17	178.02	38.83	59.94	14.85	70.92	19.52	1121
8675	I-120/S120 48T 30-39 CY P.S. 615 HP D	607,570	144.12	190.98	42.16	65.01	14.85	76.91	19.52	1256
	TEREX (GM)									
8685	S-24C 40.8T 24-34 CY P.S. 480 HP D	427,130	100.11	131.07	30.00	46.43	11.59	54.98	15.24	1012
8690	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	276,076	66.49	87.59	19.59	30.41	7.35	36.03	9.54	544
8695	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	453,143	113.94	150.09	32.15	49.90	15.80	59.13	20.50	960
8700	TS-24C 40.8T 24-34 CY P.S. 480/260 HP D/D	556,553	138.86	182.62	39.54	61.39	18.89	72.74	24.51	1119
	SCRAPER, TRACTOR DRAWN **********									
	M-R-S									
8715	PS-80 11T 9 CY HYDR./CONTROL	61,771	11.76	14.02	3.75	5.50	0.00	6.23	0.00	245
8720	PS-90 17T 14 CY HYDR./CONTROL	84,255	16.06	19.21	5.06	7.39	0.00	8.37	0.00	320
8725	PS-100 22T 18 CY HYDR./CONTROL	98,537	18.82	22.50	5.92	8.65	0.00	9.80	0.00	370

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
	SCRAPER, TRACTOR DRAWN (CONT'D) **********									
	ROME									
8735	R67H 18T 12-17CY HYDR/CONTROL	77,572	14.75	17.48	4.80	7.07	0.00	8.01	0.00	235
8740	R89H 27T 18-26CY HYDR/CONTROL	102,563	19.40	23.16	6.22	9.10	0.00	10.29	0.00	365
	SOUTHWEST-HUME									
8750	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	37,191	6.94	8.28	2.26	3.31	0.00	3.74	0.00	137
	SOIL STABILIZER **********									
	BOMAG									
8765	MOD MPH-50 12"DEEP BY 82"WIDE 152 HP D	100,247	24.99	32.51	7.14	10.98	4.09	12.97	5.35	208
8770	MOD MPH-100 14.5"DEEP X 79"WIDE 304 HP D	162,486	43.01	56.32	11.51	17.66	8.18	20.85	10.70	300
	BROS									
8780	MOD LSPRM-8A MASTER MIXER 19" DP 335 HP D	156,042	41.59	53.76	11.18	17.23	9.01	20.38	11.79	300
	TRACTOR, CRAWLER (DOZER) ********** (ADD ATTACHMENTS TO TRACTOR)									
	CASE									
8795	450C P.S. POWER ANGLE/TILT DOZER 63 HP D	43,826	12.33	15.83	3.09	4.67	1.78	5.49	2.35	118
8800	850C P.S. HYDR. ANGLE/TILT DOZER 78 HP D	63,077	17.26	22.14	4.44	6.72	2.21	7.90	2.91	171
8805	1150D P.S. HYDR. ANGLE/TILT DOZER 110 HP D	90,558	24.69	31.67	6.37	9.64	3.11	11.34	4.10	239
8810	1450B P.S. POWER ANGLE/TILT DOZER 140 HP D	126,376	33.95	43.51	8.89	13.46	3.96	15.82	5.22	330
	CATERPILLAR									
8820	D-3B TRACTOR P.S. 65 HP D	39,289	11.37	14.61	2.75	4.18	1.84	4.92	2.42	127
8825	D-3B LGP (LOW GROUND PRESSURE) 65 HP D	44,562	12.56	16.13	3.13	4.74	1.84	5.58	2.42	140
8830	3P -POWER ANGLE & POWER TILT	8,080	1.68	2.13	0.59	0.90	0.00	1.06	0.00	24
8835	53 -WINCH (W/O CABLE)	5,844	1.23	1.56	0.42	0.64	0.00	0.77	0.00	9
8840	D-4H TRACTOR P.S. 90 HP D	49,671	14.69	18.87	3.50	5.29	2.55	6.22	3.35	184
8845	D-4H LGP (LOW GROUND PRESSURE) 90 HP D	56,152	16.16	20.74	3.95	5.98	2.55	7.03	3.35	213

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)									
8850	4S -STRAIGHT BLADE HYDRAULIC	8,116	1.69	2.13	0.59	0.90	0.00	1.06	0.00	33
8855	4A -ANGLE BLADE HYDRAULIC	9,163	1.89	2.40	0.66	1.01	0.00	1.20	0.00	34
8860	54 -WINCH (W/O CABLE)	16,633	3.37	4.29	1.20	1.84	0.00	2.18	0.00	18
8865	D-5H TRACTOR P.S. 120 HP D	82,689	23.30	29.90	5.82	8.81	3.39	10.35	4.47	225
8870	D-5H LGP (LOW GROUND PRESSURE) 120 HP D	94,362	25.92	33.27	6.63	10.04	3.39	11.82	4.47	283
8875	5S -STRAIGHT BLADE HYDRAULIC	9,928	2.04	2.59	0.72	1.10	0.00	1.30	0.00	40
8880	5A -ANGLE BLADE HYDRAULIC	11,234	2.30	2.92	0.81	1.24	0.00	1.47	0.00	48
8885	55 -WINCH (W/O CABLE)	15,360	3.12	3.97	1.11	1.71	0.00	2.01	0.00	18
8890	D-6D TRACTOR P.S. 140 HP D	103,136	28.69	36.81	7.25	10.98	3.96	12.91	5.22	288
8895	D-6D SA (SPECIAL APPLICATION) 165 HP D	109,460	31.08	39.89	7.70	11.65	4.67	13.70	6.15	302
8900	D-6H TRACTOR P.S. 165 HP D	113,615	32.01	41.10	7.99	12.09	4.67	14.23	6.15	349
8905	D-6H LGP (LOW GROUND PRESSURE) 165 HP D	126,799	35.00	44.90	8.92	13.50	4.67	15.88	6.15	372
8910	6S -STRAIGHT BLADE HYDRAULIC	13,697	2.79	3.54	0.99	1.52	0.00	1.79	0.00	50
8915	6A -ANGLE BLADE HYDRAULIC	14,043	2.85	3.64	1.01	1.55	0.00	1.84	0.00	57
8920	56 -WINCH (W/O CABLE)	18,785	3.79	4.84	1.35	2.08	0.00	2.46	0.00	25
8925	D-7G TRACTOR P.S. 200 HP D	149,654	41.51	53.24	10.52	15.93	5.66	18.73	7.45	384
8930	D-7G SA (SPECIAL APPLICATION) 250 HP D	162,879	46.43	59.59	11.46	17.35	7.07	20.40	9.31	411
8935	D-7H TRACTOR P.S. 215 HP D	173,095	47.38	60.76	12.18	18.43	6.08	21.67	8.01	415
8940	D-7H LGP (LOW GROUND PRESSURE) 215 HP D	199,864	53.43	68.47	14.06	21.28	6.08	25.02	8.01	470
8945	7S -STRAIGHT BLADE HYDRAULIC	21,360	4.31	5.49	1.54	2.37	0.00	2.80	0.00	76
8950	7U -UNIVERSAL BLADE HYDRAULIC	23,462	4.72	6.02	1.69	2.60	0.00	3.07	0.00	84
8955	7A -ANGLE BLADE HYDRAULIC	22,159	4.46	5.70	1.59	2.45	0.00	2.91	0.00	68
8960	57 -WINCH (W/O CABLE)	23,881	4.82	6.15	1.72	2.65	0.00	3.13	0.00	37
8965	D-8L TRACTOR P.S. 335 HP D	258,686	66.09	84.99	18.61	28.67	9.48	33.90	12.48	735
8970	D-8L SA (SPECIAL APPLICATION) 400 HP D	267,945	70.39	90.56	19.28	29.71	11.32	35.11	14.90	777
8975	8S -STRAIGHT BLADE HYDRAULIC	33,652	6.77	8.64	2.42	3.73	0.00	4.41	0.00	123

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)									
8980	8U -UNIVERSAL BLADE HYDRAULIC	37,091	7.46	9.52	2.67	4.11	0.00	4.86	0.00	136
8985	8A -ANGLE BLADE HYDRAULIC	34,700	6.99	8.92	2.50	3.85	0.00	4.55	0.00	136
8990	-PUSH PLATE USE W/8S	932	0.23	0.28	0.07	0.10	0.00	0.12	0.00	6
8995	58 -WINCH (W/O CABLE)	25,670	5.23	6.66	1.85	2.85	0.00	3.37	0.00	44
9000	D-9L TRACTOR P.S. 460 HP D	345,555	79.12	98.60	22.84	34.84	13.01	39.82	17.14	1004
9005	9S -STRAIGHT BLADE HYDRAULIC	45,414	9.17	11.69	3.27	5.03	0.00	5.95	0.00	191
9010	9U -UNIVERSAL BLADE HYDRAULIC	46,715	9.43	12.03	3.36	5.18	0.00	6.13	0.00	195
9015	9C -CUSHION BLADE	38,947	7.86	10.02	2.81	4.32	0.00	5.10	0.00	160
9020	-REAR CUSHION PUSH BLOCK	11,518	2.40	3.04	0.83	1.28	0.00	1.51	0.00	41
9025	-FRONT PUSH PLATE	1,251	0.33	0.39	0.09	0.14	0.00	0.16	0.00	9
9030	59 -WINCH (W/O CABLE)	27,797	5.70	7.24	2.00	3.08	0.00	3.64	0.00	45
9035	D-10 TRACTOR P.S. 700 HP D	581,325	130.51	162.47	38.42	58.61	19.80	66.99	26.08	1539
9040	10S -STRAIGHT BLADE HYDRAULIC	69,392	14.00	17.85	4.99	7.69	0.00	9.09	0.00	286
9045	10U -UNIVERSAL BLADE HYDRAULIC	76,317	15.38	19.61	5.49	8.46	0.00	10.00	0.00	292
9050	-FRONT PUSH PLATE	1,443	0.37	0.45	0.11	0.16	0.00	0.19	0.00	8
9055	10C -CUSHION BLADE	49,751	10.03	12.80	3.58	5.51	0.00	6.52	0.00	198
9060	D-11N TRACTOR P.S. 770 HP D	624,379	140.82	175.34	41.26	62.95	21.78	71.95	28.69	1622
9065	11S -STRAIGHT BLADE HYDRAULIC	73,534	14.94	19.01	5.29	8.15	0.00	9.63	0.00	351
9070	10U -UNIVERSAL BLADE HYDRAULIC	79,947	16.23	20.67	5.75	8.86	0.00	10.48	0.00	400
	FIAT-ALLIS									
9080	FD5 P.S. W/HYD. ANGLE TILT BLADE 63 HP D	45,609	12.73	16.34	3.21	4.86	1.78	5.71	2.35	140
9085	FD7 P.S. W/POW. ANGLE TILT BLADE 78 HP D	54,583	15.34	19.68	3.85	5.82	2.21	6.83	2.91	175
9090	8-B P.S. 88 HP D	58,599	16.63	21.35	4.12	6.24	2.49	7.34	3.28	215
9095	8-HA ANGLE BLADE HYDRAULIC	9,098	1.88	2.39	0.66	1.01	0.00	1.20	0.00	30
9100	8-HSU SEMI-U BLADE HYDRAULIC	9,086	1.85	2.35	0.66	1.01	0.00	1.19	0.00	30
9105	FD9 P.S. W/SEMI-U TILT BLADE 107 HP D	78,261	21.80	27.98	5.50	8.33	3.03	9.80	3.99	239

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)											
	FIAT-ALLIS (CONT'D)											
9110	10-C	P.S.	122 HP D	81,883	23.19	29.78	5.76	8.72	3.45	10.25	4.55	280
9115	10-HA	ANGLE BLADE HYDRAULIC		10,131	2.08	2.65	0.73	1.12	0.00	1.33	0.00	36
9120	10-HSU	SEMI-U BLADE HYDRAULIC		12,390	2.50	3.19	0.89	1.37	0.00	1.63	0.00	38
9125	14-C	P.S.	150 HP D	109,310	30.47	39.10	7.69	11.64	4.24	13.69	5.59	335
9130	14-HA	ANGLE BLADE HYDRAULIC		15,507	3.15	4.00	1.12	1.72	0.00	2.03	0.00	51
9135	14-HSU	SEMI-U BLADE HYDRAULIC		15,482	3.12	3.97	1.12	1.72	0.00	2.03	0.00	51
9140	FD 20	P.S.	223 HP D	163,826	45.59	58.50	11.52	17.44	6.31	20.51	8.31	535
9145	20-HA	ANGLE BLADE HYDRAULIC		16,521	3.36	4.27	1.20	1.84	0.00	2.17	0.00	66
9150	20-HS	STRAIGHT BLADE HYDRAULIC		17,346	3.51	4.48	1.25	1.92	0.00	2.28	0.00	66
9155	20-HSU	SEMI-U BLADE HYDRAULIC		23,535	4.70	6.01	1.70	2.61	0.00	3.08	0.00	79
9160	FD 30	P.S.	300 HP D	245,499	62.08	79.81	17.66	27.21	8.49	32.17	11.18	775
9165	30HSU	SEMI-U BLADE HYDRAULIC		32,793	6.60	8.43	2.36	3.63	0.00	4.30	0.00	127
9170	30-HU	FULL-U BLADE HYDRAULIC		33,268	6.68	8.52	2.40	3.69	0.00	4.36	0.00	114
9175	FD40	P.S.	455 HP D	354,314	80.54	100.33	23.41	35.72	12.87	40.83	16.95	1128
9180	40-HSU	SEMI-U BLADE HYDRAULIC		49,617	10.03	12.78	3.57	5.50	0.00	6.50	0.00	222
9185	40-HU	FULL-U BLADE HYDRAULIC		50,742	10.29	13.10	3.66	5.63	0.00	6.65	0.00	254
9190	40-HC	CUSHION BLADE		31,705	6.39	8.14	2.29	3.52	0.00	4.15	0.00	120
9195	FD 50	P.S.	525 HP D	476,561	105.27	130.92	31.49	48.04	14.85	54.91	19.56	1280
9200	50-HSU	SEMI-U BLADE HYDRAULIC		57,083	11.54	14.71	4.10	6.32	0.00	7.48	0.00	250
9205	50-HU	FULL-U BLADE HYDRAULIC		65,335	13.18	16.79	4.71	7.25	0.00	8.56	0.00	280
9210	50-HC	CUSHION BLADE		36,496	7.33	9.36	2.62	4.04	0.00	4.78	0.00	140
	INTERNATIONAL/DRESSER											
9220	TD-7-E	P.S. W/HYD BLADE	65 HP D	49,577	13.69	17.58	3.48	5.27	1.84	6.21	2.42	139
9225	TD-8-E	P.S. W/HYD BLADE	78 HP D	63,317	17.30	22.20	4.45	6.74	2.21	7.93	2.91	172
9230	TD-12	P.S. W/HYD BLADE	110 HP D	94,775	25.64	32.88	6.67	10.09	3.11	11.86	4.10	272
9235	TD-15-C	P.S.	140 HP D	116,808	31.77	40.76	8.21	12.43	3.96	14.63	5.22	271

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)									
	INTERNATIONAL/DRESSER (CONT'D)									
9240	15D-2 SEMI-U BLADE HYDRAULIC	12,651	2.55	3.26	0.91	1.40	0.00	1.66	0.00	46
9245	15G-2 ANGLE BLADE HYDRAULIC	14,264	2.87	3.66	1.03	1.58	0.00	1.87	0.00	50
9250	TD-20-E P.S. 210 HP D	180,610	48.89	62.67	12.70	19.23	5.94	22.61	7.82	476
9255	20D-2 SEMI-U BLADE HYDRAULIC	22,380	4.47	5.71	1.61	2.48	0.00	2.93	0.00	61
9260	20G-2 ANGLE BLADE HYDRAULIC	15,125	3.04	3.88	1.09	1.68	0.00	1.98	0.00	71
9265	TD-25-G P.S. 320 HP D	231,679	59.91	77.07	16.67	25.68	9.05	30.36	11.92	700
9270	25D-2 SEMI-U BLADE HYDRAULIC	27,569	5.56	7.08	1.99	3.06	0.00	3.61	0.00	113
9275	25G-2 ANGLE BLADE HYDRAULIC	22,770	4.62	5.89	1.64	2.52	0.00	2.99	0.00	115
9280	FRONT PUSHER CUSHION	9,564	1.97	2.50	0.69	1.06	0.00	1.25	0.00	29
9285	REAR PUSHER CUSHION	5,558	1.22	1.54	0.40	0.61	0.00	0.73	0.00	23
9290	FRONT PUSH BLK FOR S/BLD	870	0.26	0.30	0.07	0.10	0.00	0.11	0.00	12
	JOHN DEERE									
9300	JD350C/6305 D.D. W/HYD BLADE 42 HP D	35,218	9.58	12.27	2.48	3.75	1.19	4.41	1.56	107
9305	JD450E/6405 D.D. W/HYD BLADE 70 HP D	46,557	13.21	16.96	3.28	4.96	1.98	5.83	2.61	147
9310	JD550B/6405 P.S. W/HYD BLADE 78 HP D	55,040	15.44	19.82	3.87	5.86	2.21	6.89	2.91	156
9315	JD750B H.S. W/HYD BLADE 120 HP D	85,481	23.92	30.71	6.01	9.10	3.39	10.70	4.47	291
9320	JD750B LPG H.S. W/TILT BLADE 120 HP D	89,225	24.77	31.79	6.28	9.50	3.39	11.17	4.47	313
9325	JD850B H.S. W/TILT BLADE 165 HP D	114,311	32.18	41.29	8.04	12.17	4.67	14.31	6.15	363
9330	JD850B LPG H.S. W/TILT BLADE 165 HP D	127,681	35.19	45.15	8.98	13.59	4.67	15.99	6.15	435
	KOMATSU									
9340	D31A-17 H.S. 66 HP D	40,200	11.62	14.93	2.83	4.28	1.87	5.03	2.46	132
9345	ANGLE TILTDOZER BLADE	6,512	1.44	1.80	0.47	0.72	0.00	0.85	0.00	20
9350	D41A-3 H.S. 90 HP D	60,578	17.16	22.01	4.26	6.45	2.55	7.58	3.35	231
9355	STRAIGHT TILTDOZER BLADE	7,071	1.54	1.94	0.51	0.78	0.00	0.93	0.00	24
9360	D53A-17 H.S. 124 HP D	93,298	25.85	33.16	6.56	9.93	3.51	11.68	4.62	246

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)											
	KOMATSU (CONT'D)											
9365	ANGLE TILTDOZER BLADE			7,761	1.68	2.12	0.56	0.86	0.00	1.02	0.00	42
9370	D65E-7	H.S.	165 HP D	131,093	35.97	46.14	9.22	13.96	4.67	16.42	6.15	377
9375	ANGLE TILTDOZER BLADE			10,135	2.15	2.72	0.73	1.12	0.00	1.33	0.00	61
9380	D85E-18	H.S.	220 HP D	183,935	50.02	64.14	12.94	19.59	6.22	23.03	8.20	437
9385	ANGLE TILTDOZER BLADE			15,863	3.31	4.20	1.14	1.75	0.00	2.08	0.00	99
9390	U-DOZER BLADE			16,926	3.55	4.49	1.22	1.88	0.00	2.22	0.00	104
9395	D155A-1	H.S.	320 HP D	256,958	65.18	83.81	18.48	28.48	9.05	33.67	11.92	690
9400	ANGLE TILTDOZER BLADE			21,774	4.64	5.85	1.57	2.41	0.00	2.85	0.00	140
9405	U-DOZER BLADE			22,995	4.89	6.17	1.66	2.55	0.00	3.02	0.00	142
9410	D355A-3	H.S.	410 HP D	329,847	83.65	107.56	23.73	36.56	11.60	43.22	15.28	945
9415	U-DOZER BLADE			29,599	6.25	7.90	2.13	3.28	0.00	3.88	0.00	196
9420	STRAIGHT DOZER BLADE			26,953	5.91	7.40	1.94	2.99	0.00	3.53	0.00	184
9425	D455A-1	H.S.	620 HP D	534,720	119.22	148.32	35.34	53.91	17.54	61.61	23.10	1445
9430	FULL U-DOZER BLADE			71,131	14.71	18.65	5.12	7.89	0.00	9.32	0.00	229
9435	U-DOZER BLADE			66,850	13.83	17.54	4.81	7.41	0.00	8.76	0.00	211
9440	STRAIGHT DOZER BLADE			62,568	12.97	16.43	4.51	6.94	0.00	8.20	0.00	193
	TEREX (GM)											
9450	D700A	P.S. (W/O BLADE)	205 HP D	160,293	44.11	56.58	11.28	17.07	5.80	20.08	7.64	409
9455	SEMI-U BLADE HYDRAULIC			15,698	3.15	4.03	1.13	1.74	0.00	2.06	0.00	58
9460	ANGLE BLADE HYDRAULIC			17,582	3.53	4.50	1.27	1.95	0.00	2.30	0.00	69
9465	FULL-U BLADE HYDRAULIC			17,999	3.60	4.61	1.29	1.99	0.00	2.36	0.00	68
9470	D750	P.S. (W/O BLADE)	260 HP D	186,883	48.41	62.25	13.45	20.72	7.36	24.48	9.69	555
9475	SEMI-U BLADE HYDRAULIC			22,199	4.44	5.67	1.60	2.46	0.00	2.91	0.00	91
9480	ANGLE BLADE HYD. W/DUAL TILT			29,119	5.81	7.42	2.10	3.23	0.00	3.81	0.00	118
9485	FULL-U BLADE HYDRAULIC			24,232	4.85	6.19	1.75	2.69	0.00	3.18	0.00	107
9490	D800	P.S. (W/O BLADE)	350 HP D	249,187	64.66	83.17	17.93	27.63	9.90	32.65	13.04	787

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)									
9495	SEMI-U BLADE HYDRAULIC	29,003	5.86	7.46	2.09	3.22	0.00	3.80	0.00	118
9500	FULL-U BLADE HYDRAULIC	31,795	6.41	8.17	2.29	3.52	0.00	4.16	0.00	129
9505	CUSHIONED PUSH BLADE	27,786	5.60	7.14	2.00	3.08	0.00	3.64	0.00	113
9510	PUSH PLATE (WELD ON)	1,173	0.28	0.34	0.09	0.13	0.00	0.15	0.00	6
9515	PUSH BLOCK (CUSHION REAR)	7,439	1.59	1.99	0.54	0.83	0.00	0.97	0.00	21
	TRACTOR, WHEEL TYPE (DOZER) **********									
	CATERPILLAR									
9530	814-B ARTICULATED ST BLADE P.S. 210 HP D	165,573	38.23	50.48	11.91	18.57	5.51	22.03	7.24	465
9535	824-C ARTICULATED ST BLADE P.S. 310 HP D	240,323	57.55	78.25	16.96	26.30	8.13	31.15	10.69	624
9540	834-B ARTICULATED ST BLADE P.S. 450 HP D	355,923	82.40	110.67	24.96	38.64	11.80	45.75	15.52	892
	CLARK									
9550	280B ARTICULATED ST BLADE P.S. 302 HP D	255,829	60.60	82.82	18.00	27.89	7.92	33.04	10.42	749
9555	380B ARTICULATED ST BLADE P.S. 572 HP D	433,195	101.12	135.79	30.37	47.02	15.00	55.68	19.73	1253
	TRACTOR, WHEEL TYPE (FARM) **********									
	JOHN DEERE									
9570	MOD 401 D 62 HP D	19,454	5.71	7.45	1.41	2.19	1.63	2.59	2.14	47
9575	MOD 2150 50 HP D	15,966	4.72	6.27	1.14	1.77	1.31	2.10	1.72	50
9580	MOD 2350 62 HP D	17,557	5.43	7.20	1.26	1.95	1.63	2.31	2.14	66
9585	MOD 2750 83 HP D	21,521	6.80	8.94	1.55	2.41	2.18	2.86	2.86	73

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 **********									
	DITCH WITCH									
9600	MOD C99 6"X24" TRENCH 9 HP G	3,466	1.38	1.77	0.24	0.37	0.52	0.44	0.67	6
9605	MOD 2200 8"X36" TRENCH 18 HP G	14,097	4.19	5.40	1.01	1.56	1.03	1.85	1.35	30
9610	MOD 2300 10"X36" TRENCH 28 HP G	19,615	6.05	7.78	1.41	2.17	1.61	2.56	2.09	33
9615	MOD 6510 12"X54" TRENCH 64 HP D	35,759	9.47	12.19	2.55	3.93	1.68	4.64	2.21	106
9620	MOD R100 10"X72" TRENCH 105 HP D	73,237	18.48	23.76	5.24	8.08	2.75	9.56	3.62	176
	VERMEER									
9630	MOD V-430 10"X40" TRENCH 24 HP D	24,049	5.70	7.32	1.73	2.67	0.63	3.16	0.83	37
9635	MOD M-455 18"X72" TRENCH 44 HP D	47,240	11.11	14.28	3.38	5.21	1.15	6.17	1.52	82
9640	MOD M-475 18"X72" TRENCH 55 HP D	52,215	12.49	16.04	3.75	5.78	1.44	6.82	1.90	89
9645	MOD T-600024"X96" TRENCH 113 HP D	82,534	20.50	26.30	5.98	9.26	2.96	10.97	3.90	202
9650	MOD T-800B36"X96" TRENCH 175 HP D	162,374	38.73	49.64	11.76	18.21	4.59	21.56	6.04	419
	TRENCHER, WHEEL TYPE **********									
	BARBER-GREENE									
9665	MOD TA 56 16"X5'-10" TRENCH 100 HP D	146,464	33.00	42.23	10.61	16.43	2.62	19.45	3.45	254
9670	MOD TA 65 28"X7'-6" TRENCH 160 HP D	212,741	48.44	61.98	15.41	23.87	4.20	28.25	5.52	431
9675	MOD TA 77 32"X8'-6" TRENCH 160 HP D	279,640	61.97	79.26	20.25	31.37	4.20	37.14	5.52	605
	CLEVELAND									
9685	MOD 236 16"X72" TRENCH 67 HP D	105,651	23.63	30.23	7.65	11.85	1.76	14.03	2.31	180
9690	MOD 236HD 16"X72" TRENCH 67 HP D	114,159	25.36	32.43	8.27	12.81	1.76	15.16	2.31	200
9695	MOD 246 22"X72" TRENCH 67 HP D	118,176	26.17	33.47	8.56	13.26	1.76	15.70	2.31	206
9700	MOD7036 28"X84" TRENCH 102 HP D	147,522	33.28	42.60	10.69	16.55	2.67	19.60	3.52	455
9705	MOD 400WHD36"X114"TRENCH 175 HP D	275,410	61.62	78.83	19.95	30.90	4.59	36.58	6.04	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									
9720	F150 4X2 1/2T PKUP 6100 GVW 137 HP G	9,061	4.87	6.27	0.86	1.40	1.79	1.63	2.38	38
9725	F150 4X4 1/2T PKUP 6250 GVW 137 HP G	11,267	5.50	7.08	1.08	1.75	1.79	2.03	2.38	42
9730	F250 4X2 3/4T PKUP 6900 GVW 137 HP G	9,985	5.16	6.62	0.95	1.54	1.79	1.78	2.38	40
9735	F250 4X4 3/4T PKUP 7400 GVW 137 HP G	11,765	5.68	7.30	1.12	1.82	1.79	2.11	2.38	44
9740	F350 2AX 10000 GVW 137 HP G	10,684	5.41	6.96	1.00	1.62	1.79	1.88	2.38	42
9745	F600 2AX 21200 GVW 180 HP G	21,670	11.82	15.50	1.69	2.63	5.48	3.27	7.05	80
9750	F600 2AX 21200 GVW 170 HP D	23,507	9.10	12.08	1.84	2.86	3.20	3.57	4.15	80
9755	F700 2AX 23100 GVW 180 HP G	22,558	12.00	15.74	1.76	2.74	5.48	3.41	7.05	75
9760	F700 2AX 23100 GVW 170 HP D	27,299	9.86	13.13	2.14	3.34	3.20	4.17	4.15	75
9765	F800 2AX 32000 GVW 213 HP G	27,669	14.39	18.89	2.16	3.36	6.49	4.20	8.34	84
9770	F800 2AX 32000 GVW 210 HP D	38,018	13.28	17.69	2.95	4.58	3.95	5.71	5.13	85
9775	LT800 3AX 43000 GVW 223 HP G	37,258	21.70	28.50	2.96	4.68	10.09	5.87	13.00	110
9780	LT8000 3AX 52400 GVW 240 HP D	61,211	22.17	29.58	4.92	7.80	6.77	9.79	8.80	136
9785	LTS8000 3AX 54000 GVW 240 HP D	59,688	21.86	29.16	4.79	7.58	6.77	9.52	8.80	139
9790	LNT8000 3AX 54000 GVW 240 HP D	60,427	22.02	29.36	4.85	7.68	6.77	9.64	8.80	134
9795	CT8000 3AX 46000 GVW 175 HP D	59,064	19.37	25.94	4.74	7.50	4.93	9.42	6.42	136
9800	LT9000 3AX 58000 GVW 82000 GCW 350 HP D	83,845	31.13	41.54	6.74	10.67	9.87	13.40	12.83	154
9805	LTS9000 3AX 60000 GVW 82000 GCW 239 HP D	82,652	26.95	36.04	6.62	10.47	6.74	13.14	8.76	180
9810	LNT9000 3AX 50000 GVW 82000 GCW 350 HP D	79,558	30.30	40.37	6.36	10.06	9.87	12.62	12.83	145
9815	CLT9000 3AX 46000 GVW 82000 GCW 400 HP D	95,669	35.30	47.11	7.75	12.30	11.28	15.44	14.66	153
	GMC AND CHEVROLET									
9825	S10 4X2 COMPACT PKUP 3500 GVW 92 HP G	8,888	4.08	5.22	0.85	1.37	1.20	1.58	1.60	26
9830	S10 4X4 COMPACT PKUP 3800 GVW 92 HP G	10,616	4.56	5.83	1.02	1.65	1.20	1.91	1.60	29
9835	C10903 4X2 1/2T PKUP 6100 GVW 165 HP G	9,879	5.56	7.19	0.94	1.53	2.15	1.77	2.87	46
9840	C10906 4X2 SUBURBAN 8600 GVW 165 HP G	13,839	6.66	8.57	1.33	2.16	2.15	2.51	2.87	47
9845	K10906 4X4 SUBURBAN 8600 GVW 165 HP G	15,713	7.20	9.24	1.51	2.46	2.15	2.85	2.87	50

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)									
9850	C20903 4X2 3/4T PKUP 8600 GVW 165 HP G	11,542	6.02	7.77	1.10	1.79	2.15	2.08	2.87	41
9855	K20903 4X4 3/4T PKUP 8600 GVW 165 HP G	13,364	6.57	8.44	1.29	2.09	2.15	2.42	2.87	49
9860	C30903 2AX 9000 GVW 165 HP G	13,563	6.67	8.57	1.28	2.07	2.15	2.40	2.87	49
9865	C5D042 2AX 15000 GVW 163 HP G	21,398	11.09	14.56	1.67	2.59	4.96	3.23	6.38	54
9870	C6D042 2AX 24000 GVW 163 HP G	25,159	11.85	15.60	1.97	3.07	4.96	3.83	6.38	62
9875	C6D042 2AX 24000 GVW 165 HP D	30,622	10.41	13.90	2.41	3.76	3.10	4.70	4.03	71
9880	C7D042 2AX 24000 GVW 210 HP G	25,174	13.76	18.06	1.96	3.05	6.39	3.81	8.22	66
9885	C7D042 2AX 24000 GVW 165 HP D	28,978	10.21	13.59	2.25	3.49	3.10	4.35	4.03	70
9890	C7D064 3AX 41000 GVW 212 HP G	37,862	21.31	28.00	2.98	4.69	9.59	5.88	12.36	98
9895	C7D064 3AX 41000 GVW 205 HP D	46,616	17.88	23.80	3.71	5.86	5.78	7.34	7.52	105
9900	J8C042 2AX 34000 GVW 178 HP D	47,403	16.89	22.54	3.80	6.02	5.02	7.56	6.53	94
9905	J8C064 3AX 46000 GVW 175 HP D	56,074	18.75	25.09	4.49	7.11	4.93	8.92	6.42	122
9910	J9C042 2AX 35000 GVW 304 HP D	67,329	21.45	28.67	5.32	8.31	5.72	10.38	7.43	112
9915	J9C064 3AX 48860 GVW 304 HP D	76,793	27.73	37.03	6.21	9.86	8.57	12.39	11.14	139
9920	N9E064 3AX 44860 GVW 304 HP D	77,821	28.14	37.52	6.24	9.88	8.57	12.40	11.14	133
9925	N9E064 3AX 62000 GVW 307 HP D	78,707	28.56	38.06	6.30	9.96	8.66	12.50	11.25	180
	INTERNATIONAL									
9935	1654 2AX 16000 GVW 155 HP D	19,793	7.90	10.49	1.55	2.42	2.91	3.02	3.79	57
9940	1724 2AX 16000 GVW 147 HP G	17,649	9.62	12.61	1.38	2.15	4.48	2.68	5.76	65
9945	1754 2AX 16000 GVW 165 HP D	25,441	9.29	12.37	2.01	3.14	3.10	3.93	4.03	71
9950	1954 2AX 21700 GVW 180 HP D	32,087	11.05	14.76	2.52	3.94	3.38	4.93	4.40	100
9955	F2554 3AX 43000 GVW 210 HP D	51,357	19.05	25.40	4.11	6.49	5.92	8.14	7.70	123
9960	F2574 3AX 50000 GVW 230 HP D	67,990	23.23	31.05	5.48	8.69	6.49	10.91	8.43	123
9965	F4370 3AX 48860 GVW 300 HP D	71,358	26.46	35.30	5.76	9.14	8.46	11.48	11.00	133
9970	F5050 3AX 54000 GVW 210 HP D	69,465	22.81	30.55	5.61	8.89	5.92	11.17	7.70	138
9975	F5070 3AX 54000 GVW 230 HP D	72,609	24.20	32.36	5.87	9.31	6.49	11.68	8.43	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									
9985	K100 3AX 48000 GVW 85000 GCW 300 HP D	83,439	29.06	38.84	6.75	10.71	8.46	13.45	11.00	138
9990	W900 3AX 48000 GVW 85000 GCW 300 HP D	80,500	28.45	38.01	6.51	10.32	8.46	12.96	11.00	140
9995	C500 3AX 56000 GVW 85000 GCW 270 HP D	82,784	27.83	37.25	6.70	10.62	7.61	13.34	9.90	144
	PETERBILT									
10055	MOD 348H 3AX 46000 GVW 85000 GCW 300 HP D	73,898	27.34	36.49	5.92	9.37	8.46	11.76	11.00	159
10060	MOD 362 3AX 46000 GVW 85000 GCW 300 HP D	79,421	28.22	37.70	6.41	10.17	8.46	12.78	11.00	142
10065	MOD 359 3AX 46000 GVW 85000 GCW 300 HP D	76,523	27.62	36.87	6.18	9.79	8.46	12.29	11.00	139
10070	MOD 353 3AX 54000 GVW 130000 GCW 350 HP D	97,071	33.69	45.06	7.88	12.51	9.87	15.73	12.83	174
	TRUCK ACCESSORIES ********** (CHASIS NOT INCLUDED)									
	CRANES, HYDRAULIC									
10085	5.3T@5'RAD 24000 GVW MIN	26,761	6.05		2.23	3.55	0.00			79
10090	8.0T@3'RAD 26500 GVW MIN	32,178	7.24		2.67	4.26	0.00			84
10095	12.5T@4'RAD 27000 GVW MIN	49,820	11.16		4.14	6.60	0.00			142
10100	13.5T@4'RAD 44000 GVW MIN	61,632	13.77		5.11	8.15	0.00			158
10105	15.0T@4'RAD 48000 GVW MIN	68,140	15.22		5.65	9.02	0.00			211
	DUMP BODY, REAR, W/HOIST									
10115	5CY 24000 TO 26000 GVW	6,407	1.50	2.02	0.53	0.84	0.00	1.06	0.00	26
10120	AIR GATE 8CY 27000 TO 30000 GVW	10,123	2.34	3.15	0.84	1.34	0.00	1.68	0.00	44
10125	AIR GATE 10CY 36000 AND UP GVW	10,236	2.36	3.20	0.85	1.35	0.00	1.71	0.00	45
10130	AIR GATE 12CY 36000 AND UP GVW	10,382	2.40	3.24	0.87	1.38	0.00	1.73	0.00	46
	FLATBEDS W/CONT. SIDES									
10140	8'X9.5'	2,060	0.45		0.17	0.27	0.00			11
10145	8'X10.5'	2,125	0.47		0.18	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)									
10150	8'X12.5'	2,322	0.52		0.20	0.31	0.00			14
10155	8'X14.5'	2,760	0.61		0.23	0.36	0.00			16
10160	8'X16.5'	3,023	0.67		0.25	0.40	0.00			18
10165	FLATBED-HOIST	2,875	0.64		0.24	0.38	0.00			10
	HOISTS, ELECTRIC									
10175	1500LB@1.75'	2,456	0.63		0.20	0.32	0.00			4
10180	2400LB@3'	2,853	0.73		0.24	0.38	0.00			6
10185	5000LB@4'	7,886	1.84		0.65	1.04	0.00			15
10190	6000LB@6'	8,900	2.07		0.74	1.18	0.00			14
	TRANSIT MIXERS									
10200	7 CY 40000 - 50000 GVW RQD	27,795	6.30		2.31	3.68	0.00			63
10205	8 CY 50000 - 70000 GVW RQD	28,222	6.39		2.34	3.73	0.00			66
10210	8.5CY 55000 - 75000 GVW RQD	28,512	6.45		2.36	3.77	0.00			68
10215	9 CY 61000 - 80000 GVW RQD	28,918	6.55		2.40	3.83	0.00			73
	WATER TANKS									
10225	2000 GAL 23500-28000 GVW	12,375	2.74		1.02	1.63	0.00			35
10230	2500 GAL 25000-34950 GVW	13,034	2.90		1.09	1.73	0.00			39
10235	3000 GAL 29000-40000 GVW	13,850	3.07		1.15	1.83	0.00			44
	TRUCK TRAILERS **********									
	BOTTOM DUMP									
10250	18CY 27T	27,112	5.19	6.58	1.90	2.93	0.00	3.47	0.00	122
10255	20CY 30T	32,167	6.09	7.72	2.27	3.52	0.00	4.16	0.00	140
10260	30CY 30T	32,453	6.14	7.79	2.29	3.55	0.00	4.20	0.00	160
10265	28CY 42T	38,689	7.38	9.33	2.70	4.18	0.00	4.95	0.00	180

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
	TRUCK TRAILERS (CONT'D) **********									
	BOTTOM DUMP (CONT'D)									
10270	20CY 35T OFF-HIGHWAY	45,718	8.57	10.87	3.25	5.05	0.00	5.98	0.00	175
10275	32CY 55T OFF-HIGHWAY	96,579	18.50	23.40	6.68	10.29	0.00	12.17	0.00	365
10280	43CY 70T OFF-HIGHWAY	107,385	20.64	26.11	7.39	11.38	0.00	13.46	0.00	445
	END DUMP									
10290	20CY 24T	35,994	6.77	8.60	2.55	3.96	0.00	4.70	0.00	146
	LOWBOY, RIGID NECK, DROP DECK									
10300	25 TON 2 AXLE	21,333	3.69		1.39	2.02	0.00			89
10305	30 TON 2 AXLE	23,659	4.07		1.54	2.25	0.00			94
10310	35 TON 2 AXLE	25,801	4.40		1.68	2.46	0.00			109
10315	35 TON 3 AXLE	29,691	5.16		1.92	2.79	0.00			134
10320	40 TON 3 AXLE	30,983	5.40		1.99	2.90	0.00			144
10325	50 TON 3 AXLE	35,671	6.14		2.32	3.38	0.00			161
10330	60 TON 3 AXLE	38,513	6.76		2.46	3.56	0.00			188
10335	70 TON 3 AXLE	46,805	8.04		3.03	4.42	0.00			213
10340	75 TON 3 AXLE	48,239	8.26		3.13	4.56	0.00			228
10345	80 TON 4 AXLE	55,108	9.34		3.61	5.28	0.00			266
10350	90 TON 4 AXLE	59,374	10.14		3.85	5.62	0.00			297
10355	100 TON 4 AXLE	66,376	11.32		4.31	6.29	0.00			313
10360	120 TON 4 AXLE	77,134	13.35		4.92	7.15	0.00			351
10365	HELPER DOLLY 60 T TRAILER MAX	18,342	3.24		1.16	1.68	0.00			62
	PLATFORM TRAILERS									
10375	25 TON 2 AXLE	17,240	3.07		1.09	1.57	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									
10385	8 CY LONG TONGUE	21,375	3.73		1.38	2.00	0.00			86
10390	10CY LONG TONGUE	21,541	3.75		1.38	2.01	0.00			86
	TILT TRAILERS									
10400	12 TON 2 AXLE	11,346	2.08		0.72	1.03	0.00			62
10405	16 TON 2 AXLE	13,012	2.37		0.81	1.16	0.00			65
10410	20 TON 2 AXLE	14,161	2.59		0.88	1.27	0.00			67
	WATER TANKER TRAILERS									
10420	4000 GAL 63 HP D	32,591	6.79		2.08	3.11	1.65			120
10425	5000 GAL 63 HP D	34,382	7.16		2.16	3.20	1.65			150
10430	6000 GAL 63 HP D	35,904	7.37		2.26	3.35	1.65			160
	TRUCKS, OFF-HIGHWAY **********									
	CATERPILLAR									
10445	769C 35T 22-30 CY P.S. 450 HP D	290,172	59.10	76.11	18.65	28.24	7.45	32.23	9.63	711
10450	773B 50T 30-45 CY P.S. 650 HP D	406,766	84.77	109.96	25.95	39.21	10.76	44.73	13.90	908
10455	777B 85T 47-67 CY P.S. 870 HP D	580,783	117.31	151.82	36.61	55.11	14.41	62.81	18.61	1425
10460	768C PRIME MOVER TRACTOR P.S. 450 HP D	257,944	54.16	70.04	16.51	24.97	7.45	28.50	9.63	523
10465	772B PRIME MOVER TRACTOR P.S. 650 HP D	382,857	83.23	109.30	24.11	36.28	10.76	41.34	13.90	716
10470	776B PRIME MOVER TRACTOR P.S. 870 HP D	511,028	108.28	141.87	31.65	47.36	14.41	53.92	18.61	1120
	DJB/CATERPILLAR (ARTICULATED FRAME)									
10480	D-25C 25T 14-18 CY P.S. 260 HP D	203,116	40.51	52.31	12.93	19.52	4.31	22.27	5.56	455
10485	D-35C 35T 18-25 CY P.S. 260 HP D	260,286	49.26	63.08	16.71	25.31	4.31	28.89	5.56	555
10490	D350C 35T 20-26 CY P.S. 260 HP D	255,182	49.52	63.91	16.12	24.27	4.31	27.67	5.56	544
10495	D400 40T 23-29 CY P.S. 385 HP D	302,740	59.59	76.47	19.27	29.09	6.38	33.18	8.24	605
10500	D-44 44T 23-31 CY P.S. 460 HP D	346,322	68.83	88.55	22.14	33.47	7.62	38.18	9.84	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)									
10505	D550 55T 32-43 CY P.S. 460 HP D	412,555	80.57	103.77	26.11	39.36	7.62	44.88	9.84	854
	EUCLID									
10515	R25-215FD 25T 14-19 CY P.S. 214 HP D	194,862	36.57	46.69	12.51	18.93	3.54	21.60	4.58	404
10520	R35-302TD 35T 22-30 CY P.S. 450 HP D	308,699	61.93	79.60	19.87	30.11	7.45	34.37	9.63	623
10525	R50-301LD 50T 31-41 CY P.S. 608 HP D	406,689	83.84	108.75	25.95	39.21	10.07	44.72	13.01	836
10530	R75-301ND 75T 46-69 CY P.S. 646 HP D	543,434	105.68	136.55	34.33	51.71	10.70	58.94	13.82	1123
10535	R85-306ND 85T 52-67 CY P.S. 755 HP D	559,300	111.46	144.48	35.19	52.94	12.50	60.33	16.15	1227
	TEREX									
10545	33-03B 22T 15-18 CY P.S. 215 HP D	173,136	33.85	43.48	11.15	16.90	3.56	19.30	4.60	400
10550	33-05B 30T 19-23 CY P.S. 321 HP D	252,202	49.79	64.07	16.21	24.55	5.32	28.01	6.87	525
10555	33-07 40T 25-32 CY P.S. 493 HP D	310,146	66.11	86.56	19.60	29.52	8.16	33.65	10.55	756
10560	33-09 55T 34-44 CY P.S. 624 HP D	418,240	88.06	115.23	26.45	39.86	10.33	45.44	13.35	992
10565	33-11D 85T 51-65 CY P.S. 840 HP D	617,100	122.20	157.81	39.02	58.79	13.91	67.02	17.97	1350
10570	33-14 120T 65-88 CY P.S.1092 HP D	902,635	175.60	226.71	57.09	86.03	18.08	98.08	23.36	1950
	WABCO									
10580	HAULPAK35D 35T 23-29 CY P.S. 420 HP D	306,424	60.92	78.30	19.72	29.88	6.96	34.11	8.98	630
10585	HAULPAK50B 50T 31-40 CY P.S. 576 HP D	437,473	87.83	113.63	27.98	42.32	9.54	48.29	12.32	792
10590	HAULPAK60B 60T 34-48 CY P.S. 642 HP D	469,626	96.33	125.42	29.85	45.06	10.63	51.39	13.73	900
10595	75C 75T 44-57 CY P.S. 679 HP D	532,788	104.20	134.41	33.74	50.86	11.24	57.99	14.52	950
10600	85D 85T 47-67 CY P.S. 818 HP D	595,090	118.34	153.03	37.55	56.55	13.55	64.47	17.50	1240
10605	100 100T 47-77 CY P.S.1050 HP D	723,250	147.20	191.69	45.21	67.86	17.39	77.29	22.46	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									
10620	KT-50 5000 GAL. CAT 613B P.S. 150 HP D	137,375	26.86	32.99	8.67	12.89	3.93	14.66	5.17	320
10625	KT-60 6000 GAL. CAT 621B P.S. 330 HP D	243,170	50.65	62.57	15.14	22.42	8.65	25.45	11.38	564
10630	KT-80 8000 GAL. CAT 631D P.S. 450 HP D	337,722	70.34	86.91	20.95	30.99	11.80	35.17	15.52	751
10635	KT-100 10000 GAL. CAT 631D P.S. 450 HP D	345,882	71.57	88.38	21.49	31.79	11.80	36.09	15.52	811
10640	KT-100 10000 GAL. CAT 651E P.S. 550 HP D	417,006	86.62	107.03	25.88	38.28	14.42	43.45	18.97	1001
10645	KT-120 12000 GAL. CAT 651E P.S. 550 HP D	422,847	87.51	108.07	26.27	38.86	14.42	44.10	18.97	1097
	TRACTOR DRAWN - SOUTHWEST									
10655	STT-60 6000 GAL. CAT 621B P.S. 330 HP D	243,523	50.70	62.63	15.16	22.45	8.65	25.49	11.38	594
10660	STT-80 8000 GAL. CAT 631D P.S. 450 HP D	333,725	69.75	86.20	20.70	30.61	11.80	34.73	15.52	811
10665	STT-100 10000 GAL. CAT 631D P.S. 450 HP D	338,123	70.41	86.99	20.99	31.04	11.80	35.22	15.52	840
10670	STT-120 12000 GAL. CAT 651E P.S. 550 HP D	432,405	88.93	109.78	26.88	39.79	14.42	45.16	18.97	1135
10675	STT-140 14000 GAL. CAT 651E P.S. 550 HP D	438,731	89.88	110.91	27.30	40.41	14.42	45.87	18.97	1170
	WAGONS, BOTTOM DUMP **********									
	CATERPILLAR-ATHEY									
10690	621B/PW621B 33T 22-25CY P.S. 330 HP D	264,678	56.60	73.59	16.79	25.33	8.65	28.89	11.38	579
10695	768C/PW768C 63T 42-48CY P.S. 450 HP D	389,720	82.41	106.92	24.52	36.89	11.80	42.04	15.52	935
10700	772B/PW772B 100T 60-67CY P.S. 650 HP D	621,748	131.02	171.23	38.93	58.47	17.04	66.61	22.42	1360
	EUCLID									
10710	B30-303TDT301W 30T 21-27CY P.S. 277 HP D	250,194	52.40	68.11	15.84	23.87	7.26	27.21	9.56	483
10715	B70-203LDT147W 70T 47-62CY P.S. 456 HP D	421,588	85.07	109.53	26.67	40.19	11.96	45.83	15.73	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
	WAGONS, REAR DUMP ********** CATERPILLAR-ATHEY									
10730	621B/PR621B 33T 22-26CY P.S. 330 HP D	273,502	57.96	75.25	17.38	26.23	8.65	29.91	11.38	630
10735	631D/PR631D 40T 27-32CY P.S. 450 HP D	393,083	82.04	106.31	25.05	37.85	11.80	43.18	15.52	833
	WATER BLASTER ********** ACE									
10750	MOD S4 3000GM PORTABLE 3000 PSI 11 HP G	2,928	2.16		0.28	0.45	0.93			3
10755	MOD S5 3500GE PORTABLE 3500 PSI 18 HP G	4,384	3.40		0.42	0.69	1.52			3
10760	MOD S5 3000E SKID MTD 3000 PSI 10 HP E	4,717	2.23		0.46	0.75	0.45			3
10765	MOD S6 3000E SKID MTD 3000 PSI 15 HP E	5,260	2.71		0.51	0.84	0.67			3
	AMERICAN AERO/WEATHERFORD									
10775	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	34,807	16.82		3.49	5.77	3.52			42
10780	WBDI50 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	52,696	26.55		5.29	8.74	6.18			70
	WATER TANKS ********** SKID MOUNTED									
10795	WST-8 8000 GAL. SOUTHWEST	15,983	2.26		1.05	1.57	0.00			107
10800	WST-10 10000 GAL. SOUTHWEST	18,622	2.63		1.22	1.83	0.00			122
10805	WST-12 12000 GAL. SOUTHWEST	21,666	3.06		1.42	2.13	0.00			142
	PORTABLE (WITH WHEELS)									
10815	EWT-8 8000 GAL. SOUTHWEST 8 HP G	29,074	4.78		1.86	2.77	0.46			130
10820	EWT-10 10000 GAL. SOUTHWEST 8 HP G	32,860	5.31		2.10	3.14	0.46			170
10825	EWT-12 12000 GAL. SOUTHWEST 8 HP G	36,450	5.82		2.34	3.50	0.46			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									
10840	300 AMP SKID MTD 20 HP E	2,483	1.62		0.21	0.32	0.90			7
10845	400 AMP SKID MTD 25 HP E	2,967	1.98		0.24	0.37	1.12			9
	GASOLINE ENGINE DRIVE									
10855	200 AMP W/1 AXLE TRLR 39 HP G	4,981	4.45		0.39	0.59	2.75			11
10860	250 AMP W/1 AXLE TRLR 39 HP G	5,237	4.51		0.41	0.62	2.75			17
10865	300 AMP W/1 AXLE TRLR 65 HP G	5,694	6.87		0.44	0.67	4.58			17
10870	400 AMP W/1 AXLE TRLR 69 HP G	7,249	7.56		0.57	0.87	4.86			21
	DIESEL ENGINE DRIVE									
10880	250 AMP W/1 AXLE TRLR 27 HP D	6,779	2.52		0.53	0.81	0.88			21
10885	300 AMP W/1 AXLE TRLR 38 HP D	7,251	3.06		0.57	0.87	1.23			21
10890	350 AMP W/2 AXLE TRLR 38 HP D	8,154	3.26		0.63	0.96	1.23			25
10895	400 AMP W/2 AXLE TRLR 64 HP D	8,818	4.44		0.67	1.03	2.08			30
	MIG									
10905	300AMP W/WIRE FEED AND SHOP GEAR 10 HP E	2,529	1.03		0.21	0.32	0.45			5
10910	450AMP W/WIRE FEED AND SHOP GEAR 20 HP E	2,603	1.63		0.21	0.33	0.90			5
	RECTIFIER									
10920	200 AMP W/SHOP RUNNING GEAR 19 HP E	1,142	1.32		0.10	0.15	0.85			4
10925	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,464	1.66		0.12	0.19	1.08			6
10930	750 AMP W/SHOP RUNNING GEAR 30 HP E	4,020	2.47		0.33	0.51	1.35			7
10935	1000AMP W/SHOP RUNNING GEAR 42 HP E	7,044	3.71		0.57	0.89	1.89			10
	TRANSFORMER-RECTIFIER									
10945	250 AMP W/SHOP RUNNING GEAR 19 HP E	523	1.21		0.05	0.07	0.85			4
10950	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,751	1.71		0.14	0.22	1.08			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 1982, 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 (.92)	= (+) $27.60/Hr.
Adjusted Total Hourly Rate	= $52.60/Hr.

B. If an equivalent crane owned by a contractor had been purchased new in 1971, this crane is overage 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 (.55)	= (+) $16.50/Hr.
Adjusted Total Hourly Rate	= $41.50/Hr.

C. If an equivalent crane, manufactured in 1971, had been purchased used in 1979 by the contractor, the crane is overage and the rate computation would be identical to Example B.

D. If an equivalent crane, manufactured in 1982, had been purchased used in 1984 by the contractor, the used crane is not overage 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 1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
15	AGGREGATE SPREADERS	1.04	1.02	1.00	1.00	0.97	0.96	0.97						
30	AIR COMPRESSORS	1.04	1.01	1.00	1.01	0.97	0.98	0.96						
45	AIR TOOLS, SANDBLASTERS, ETC	1.04	1.01	1.00										
60	ASPHALT DISTRIBUTORS	1.04	1.02	1.00	1.00	0.97	0.96	0.97						
65	ASPHALT AND CONCRETE PAVERS	1.04	1.02	1.00	1.00	0.97	0.96	0.97						
70	ASPHALT KETTLES AND RECYCLERS	1.05	1.02	1.00	0.99	0.97	0.95							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.05	1.02	1.00	0.99	0.97	0.95	0.93						
80	BRUSH CHIPPERS	1.05	1.02	1.00	0.99	0.97	0.95	0.93						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	0.98	0.96	0.94	0.96						
95	BUCKETS, CONCRETE	1.04	1.01	1.00	0.98	0.95	0.94	0.96						
105	CONCRETE OR GROUT PUMP	1.05	1.02	1.00	0.99	0.97	0.95							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.05	1.02	1.00	0.99	0.97	0.95							
125	CONCRETE FINISHERS, BLASTERS & BUGGIES	1.05	1.03	1.00	0.99	0.97								
130	CONCRETE SAWS	1.05	1.02	1.00	0.99	0.97	0.95							
135	CONCRETE VIBRATORS	1.04	1.01	1.00										
140	COMPACTORS, MANUALLY OPERATED	1.04	1.01	1.00	1.01	0.97								
	CRANE, CRAWLER TYPE													
150	0 THRU 25 TON	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85	0.78				
165	OVER 25 TON THRU 50 TON	1.06	1.03	1.00	0.97	0.95	0.94	0.92	0.85	0.78	0.70	0.63		
170	OVER 50 TON THRU 150 TON	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.85	0.78	0.70	0.64	0.59	0.55
180	OVER 150 TON	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.86	0.79	0.70	0.64	0.59	0.55
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85	0.78				
190	OVER 1 CY THRU 2-1/2 CY	1.06	1.03	1.00	0.97	0.95	0.94	0.92	0.85	0.78	0.70	0.63		
195	OVER 2-1/2 CY THRU 5 CY	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.85	0.78	0.70	0.64	0.59	0.55
196	OVER 5 CY	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.86	0.79	0.70	0.64	0.59	0.55
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.06	1.03	1.00	0.97	0.95	0.94	0.92	0.85	0.78	0.70	0.63		
205	CRANES, TOWER	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85	0.78	0.70	0.63	0.58	0.54
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.06	1.03	1.00	0.97	0.95	0.94	0.92	0.85	0.78	0.70	0.63		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.85	0.78	0.70	0.64	0.59	0.55
230	66 THRU 125 T	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.86	0.79	0.70	0.64	0.59	0.55
240	OVER 125 T	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.86	0.79	0.71	0.64	0.59	0.55
255	DRILL, AUGER	1.03	1.00	1.00	1.02	1.01	1.02	1.01						
270	DRILL, BLAST HOLE	1.03	1.00	1.00	1.02	1.01	1.02	1.01						
300	DRILL, CORE	1.03	1.00	1.00	1.02	1.01	1.02	1.01						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	1.00	1.00	1.02	1.01	1.02	1.01	0.93	0.79	0.68	0.63		
330	DRILL, ROTARY OVER 11" DIA.	1.02	1.00	1.00	1.02	1.01	1.02	1.01	0.93	0.80	0.69	0.64	0.58	0.56
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	1.00	1.00	1.02	1.01	1.02	1.01	0.93	0.80	0.69	0.64	0.58	0.56
375	FORK LIFTS	1.05	1.02	1.00	0.99	0.97	0.95	0.93						
390	GRADERS	1.10	1.05	1.00	0.99	0.96	0.96	0.94	0.85	0.76				
420	GENERATORS	1.07	1.02	1.00	1.00	0.96	0.94							
435	HOIST	1.05	1.02	1.00	0.99	0.97	0.95	0.93						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
438	LAWN MOWERS	1.05	1.02	1.00										
440	LIGHT PLANTS	1.05	1.03	1.00	0.99	0.97	0.95							
450	LOADER, BELT	1.05	1.02	1.00	0.99	0.97	0.95	0.93						
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.13	1.05	1.00	1.00	1.01	1.01	0.96						
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.10	1.03	1.00	0.99	0.99	0.96	0.94						
470	OVER 225 HP	1.09	1.03	1.00	1.00	0.99	0.97	0.94	0.85	0.71				

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.10	1.03	1.00	0.99	0.99	0.96	0.94						
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.06	1.03	1.00	0.98	0.96								
485	PIPELAYERS	1.13	1.05	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	1.03	1.00	0.99	0.97	0.95	0.93						
500	PUMP, WATER, ELECTRIC DRIVE	1.05	1.03	1.00	0.99	0.97	0.95	0.93						
510	RIPPERS	1.13	1.05	1.00	1.00	1.01	1.01							
525	ROLLERS,EXCEPT VIB. ROLLERS	1.06	1.02	1.00	0.98	0.94	0.89	0.80						
530	ROLLERS, VIBRATORY	1.06	1.02	1.00	0.98	0.94	0.89							
535	ROOFING EQUIPMENT	1.09	1.05	1.00	0.99	0.97								
540	SCRAPERS, STANDARD	1.09	1.05	1.00	0.99	0.97	0.97	0.94						
542	SCRAPERS, TANDEM POWERED	1.09	1.05	1.00	0.99	0.97	0.97	0.94						
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.10	1.05	1.00	0.99	0.96	0.96	0.94						
550	OVER 200 HP	1.09	1.05	1.00	0.99	0.97	0.97	0.94						
555	SCRAPERS, TRACTOR DRAWN	1.09	1.05	1.00	0.99	0.97	0.96	0.94	0.85	0.77				
560	SOIL STABILIZERS	1.10	1.05	1.00	0.99	0.96	0.96	0.94						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.07	1.04	1.00	0.97	0.95	0.93							
585	OVER 1 CY THRU 2-1/2 CY	1.06	1.04	1.00	0.97	0.95	0.93	0.91						
595	OVER 2-1/2 CY THRU 5 CY	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85	0.78				
600	OVER 5 CY	1.06	1.03	1.00	0.97	0.95	0.94	0.92	0.85	0.78	0.70			
601	OVER 2-1/2 CY ELECTRIC	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85	0.78	0.70	0.63	0.58	0.54
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.13	1.05	1.00	1.00	1.01	1.01	0.96						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.13	1.05	1.00	1.00	1.01	1.01	0.96						
625	OVER 425 HP	1.12	1.04	1.00	1.00	1.01	1.01	0.97	0.88	0.79				
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.13	1.05	1.00	1.00	1.01	1.01	0.96						
645	TRACTOR, WHEEL TYPE	1.05	1.01	1.00	1.00	0.95	0.92	0.92						
650	TRENCHER	1.03	1.00	1.00	0.98	0.96	0.94	0.88						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.05	1.02	1.00	0.99	0.97	0.95	0.93						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.06	1.03	1.00	0.99	0.97	0.95	0.92						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.05	1.02	1.00	0.99	0.97	0.95							
675	ALL OTHER ACCESSORIES	1.05	1.02	1.00	0.99	0.97	0.95							
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.03	1.01	1.00	0.95	0.91								
695	OVER 10,000 THRU 30,000 GVW	1.03	1.01	1.00	0.95	0.92	0.87							
705	OVER 30,000 GVW	1.03	1.01	1.00	0.95	0.92	0.88							
720	TRUCK, OFF-HIGHWAY	1.06	1.02	1.00	0.99	0.98	0.97	0.95	0.86	0.75				
765	WAGON, BOTTOM & REAR DUMP	1.06	1.02	1.00	0.99	0.98	0.97	0.95	0.86	0.75				
780	WAGON, WATER	1.07	1.02	1.00	0.99	0.98	0.97	0.95	0.86	0.74				
785	WATER BLASTER	1.05	1.03	1.00	0.99	0.97								
795	WATER TANKS	1.05	1.02	1.00	0.99	0.97	0.95	0.93	0.86	0.76				
810	WELDERS	1.06	1.03	1.00	0.99	0.97	0.95							
811	WELDERS ELECTRIC POWER	1.05	1.03	1.00	0.99	0.97	0.95							

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 OWN'SHP RATE (g×h×i) (j)	OPERATING EXPENSE (f-g) (k)	ADJUSTED RATE (j+k) (l)

TABLE 3-3. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

The "Age Adjustment Factors for Standby Costs" in TABLE 3-3 are used when the age of a piece of equipment is other than the age of the equipment listed in TABLE 3-1. The factors given in TABLE 3-3 are multiplied by the hourly standby costs shown in TABLE 3-1 and result in a standby 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.

Example: Assume that a two-year-old 50-ton truck crane listed in TABLE 3-1 has an hourly standby rate of $18.00 per hour. If an equivalent crane owned by a contractor had been purchased new in 1982, the hourly standby rate can be determined as follows:

Hourly Standby Rate	= $18.00/Hr.
Standby Adjusted for Age (Standby Rate) x (Age Adj. Factor) = ($18.00) x (.92)	= $16.56/Hr.

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
15	AGGREGATE SPREADERS	1.04	1.02	1.00	1.00	0.97	0.96	0.97						
30	AIR COMPRESSORS	1.04	1.01	1.00	1.01	0.98	0.99	0.97						
45	AIR TOOLS, SANDBLASTERS, ETC	1.04	1.01	1.00										
60	ASPHALT DISTRIBUTORS	1.04	1.02	1.00	1.00	0.97	0.96	0.97						
65	ASPHALT AND CONCRETE PAVERS	1.04	1.02	1.00	1.00	0.97	0.96	0.97						
70	ASPHALT KETTLES AND RECYCLERS	1.05	1.02	1.00	0.99	0.97	0.96							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.05	1.02	1.00	0.99	0.97	0.96	0.94						
80	BRUSH CHIPPERS	1.05	1.02	1.00	0.99	0.97	0.96	0.94						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	0.98	0.96	0.95	0.96						
95	BUCKETS, CONCRETE	1.03	1.01	1.00	0.98	0.96	0.95	0.96						
105	CONCRETE OR GROUT PUMP	1.05	1.02	1.00	0.99	0.97	0.96							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.05	1.02	1.00	0.99	0.97	0.96							
125	CONCRETE FINISHERS, BLASTERS & BUGGIES	1.05	1.02	1.00	0.99	0.97								
130	CONCRETE SAWS	1.05	1.02	1.00	0.99	0.97	0.96							
135	CONCRETE VIBRATORS	1.04	1.01	1.00										
140	COMPACTORS, MANUALLY OPERATED	1.04	1.01	1.00	1.01	0.98								
	CRANE, CRAWLER TYPE													
150	0 THRU 25 TON	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.86	0.80				
165	OVER 25 TON THRU 50 TON	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.73	0.67		
170	OVER 50 TON THRU 150 TON	1.05	1.03	1.00	0.98	0.96	0.94	0.92	0.87	0.80	0.73	0.67	0.63	0.59
180	OVER 150 TON	1.05	1.03	1.00	0.98	0.96	0.94	0.93	0.87	0.81	0.73	0.67	0.63	0.59
	DRAGLINE & CLAMSHELL, CRAWLER													
185	0 THRU 1 CY	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.86	0.80				
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.73	0.67		
195	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.96	0.94	0.92	0.87	0.80	0.73	0.67	0.63	0.59
196	OVER 5 CY	1.05	1.03	1.00	0.98	0.96	0.94	0.93	0.87	0.81	0.73	0.67	0.63	0.59
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.73	0.67		
205	CRANES, TOWER	1.05	1.03	1.00	0.98	0.96	0.94	0.93	0.87	0.81	0.73	0.67	0.63	0.60
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.73	0.67		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.03	1.00	0.98	0.96	0.94	0.92	0.87	0.80	0.73	0.67	0.63	0.59
230	66 THRU 125 T	1.05	1.03	1.00	0.98	0.96	0.94	0.93	0.87	0.81	0.73	0.67	0.63	0.59
240	OVER 125 T	1.05	1.03	1.00	0.98	0.96	0.94	0.93	0.87	0.81	0.73	0.68	0.63	0.60
255	DRILL, AUGER	1.02	1.00	1.00	1.02	1.01	1.02	1.01						
270	DRILL, BLAST HOLE	1.02	1.00	1.00	1.02	1.01	1.02	1.01						
300	DRILL, CORE	1.02	1.00	1.00	1.02	1.01	1.02	1.01						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	1.00	1.00	1.02	1.01	1.02	1.01	0.94	0.82	0.72	0.68		
330	DRILL, ROTARY OVER 11" DIA.	1.02	1.00	1.00	1.02	1.01	1.02	1.01	0.94	0.82	0.73	0.68	0.63	0.61
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	1.00	1.00	1.02	1.01	1.02	1.01	0.94	0.82	0.73	0.68	0.63	0.61
375	FORK LIFTS	1.05	1.02	1.00	0.99	0.97	0.96	0.94						
390	GRADERS	1.08	1.04	1.00	0.99	0.97	0.97	0.95	0.87	0.80				
420	GENERATORS	1.06	1.02	1.00	1.00	0.97	0.94							
435	HOIST	1.05	1.02	1.00	0.99	0.97	0.96	0.94						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
438	LAWN MOWERS	1.05	1.02	1.00										
440	LIGHT PLANTS	1.05	1.02	1.00	0.99	0.97	0.96							
450	LOADER, BELT	1.05	1.02	1.00	0.99	0.97	0.96	0.94						
460	LOADER, FRONT END &LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.11	1.04	1.00	1.00	1.01	1.01	0.97						
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.08	1.03	1.00	1.00	0.99	0.97	0.95						
470	OVER 225 HP	1.08	1.03	1.00	1.00	0.99	0.97	0.95	0.86	0.74				

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.08	1.03	1.00	1.00	0.99	0.97	0.95						
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.02	1.00	0.99	0.97								
485	PIPELAYERS	1.11	1.04	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	1.05	1.02	1.00	0.99	0.97	0.96	0.94						
500	PUMP, WATER, ELECTRIC DRIVE	1.05	1.02	1.00	0.99	0.97	0.96	0.94						
510	RIPPERS	1.11	1.04	1.00	1.00	1.01	1.01							
525	ROLLERS,EXCEPT VIB. ROLLERS	1.05	1.02	1.00	0.99	0.94	0.90	0.82						
530	ROLLERS, VIBRATORY	1.06	1.02	1.00	0.98	0.94	0.90							
535	ROOFING EQUIPMENT	1.09	1.04	1.00	0.99	0.97								
540	SCRAPERS, STANDARD	1.08	1.04	1.00	0.99	0.97	0.97	0.95						
542	SCRAPERS, TANDEM POWERED	1.08	1.04	1.00	0.99	0.97	0.97	0.95						
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.08	1.04	1.00	0.99	0.97	0.97	0.95						
550	OVER 200 HP	1.08	1.04	1.00	0.99	0.97	0.97	0.95						
555	SCRAPERS, TRACTOR DRAWN	1.08	1.04	1.00	0.99	0.97	0.97	0.95	0.87	0.80				
560	SOIL STABILIZERS	1.08	1.04	1.00	0.99	0.97	0.97	0.95						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.06	1.03	1.00	0.97	0.96	0.94							
585	OVER 1 CY THRU 2-1/2 CY	1.06	1.03	1.00	0.97	0.96	0.94	0.92						
595	OVER 2-1/2 CY THRU 5 CY	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.86	0.80				
600	OVER 5 CY	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.72			
601	OVER 2-1/2 CY ELECTRIC	1.05	1.03	1.00	0.98	0.96	0.94	0.93	0.87	0.81	0.73	0.67	0.63	0.60
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.11	1.04	1.00	1.00	1.01	1.01	0.97						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.11	1.04	1.00	1.00	1.01	1.01	0.97						
625	OVER 425 HP	1.11	1.04	1.00	1.00	1.01	1.01	0.97	0.89	0.81				
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.11	1.04	1.00	1.00	1.01	1.01	0.97						
645	TRACTOR, WHEEL TYPE	1.05	1.01	1.00	1.00	0.96	0.93	0.92						
650	TRENCHER	1.02	1.00	1.00	0.98	0.97	0.95	0.89						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.05	1.02	1.00	0.99	0.97	0.96	0.94						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.05	1.02	1.00	0.99	0.97	0.96	0.94						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.05	1.02	1.00	0.99	0.97	0.96							
675	ALL OTHER ACCESSORIES	1.05	1.02	1.00	0.99	0.97	0.96							
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.03	1.01	1.00	0.95	0.92								
695	OVER 10,000 THRU 30,000 GVW	1.03	1.01	1.00	0.95	0.93	0.89							
705	OVER 30,000 GVW	1.03	1.01	1.00	0.95	0.93	0.89							
720	TRUCK, OFF-HIGHWAY	1.06	1.02	1.00	1.00	0.99	0.98	0.95	0.88	0.77				
765	WAGON, BOTTOM & REAR DUMP	1.06	1.02	1.00	1.00	0.99	0.98	0.95	0.88	0.77				
780	WAGON, WATER	1.06	1.02	1.00	1.00	0.99	0.98	0.95	0.88	0.77				
785	WATER BLASTER	1.05	1.02	1.00	0.99	0.97								
795	WATER TANKS	1.04	1.02	1.00	0.99	0.97	0.96	0.94	0.87	0.79				
810	WELDERS	1.05	1.02	1.00	0.99	0.97	0.96							
811	WELDERS ELECTRIC POWER	1.05	1.02	1.00	0.99	0.97	0.96							

EQUIPMENT RATE CALCULATIONS

FOR USE WITH EP 1110-1-8

PROJECT		DATE	SHT OF
		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)	= $52.60/Hr.
Ownership Rate (adjusted for age)	(-) $27.60/Hr.
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adj. Factor) = ($27.60) x (.86)	= (+) $23.74/Hr.
Adjusted Total Hourly Rate	= $48.74/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	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.90	0.89
6,000	1.00	0.98	0.97	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85
8,000	1.00	0.97	0.96	0.94	0.92	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.82
9,000	1.00	0.97	0.95	0.93	0.91	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81
10,000	1.00	0.97	0.95	0.93	0.90	0.89	0.87	0.86	0.84	0.83	0.82	0.81	0.79
11,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.85	0.83	0.82	0.80	0.80	0.78
12,000	1.00	0.96	0.95	0.92	0.89	0.87	0.86	0.84	0.82	0.81	0.79	0.78	0.77
13,000	1.00	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.81	0.80	0.78	0.77	0.76
14,000	1.00	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.80	0.79	0.77	0.76	0.75
15,000	1.00	0.96	0.94	0.90	0.88	0.85	0.83	0.81	0.79	0.78	0.76	0.75	0.73
16,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.79	0.77	0.75	0.74	0.72
18,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.79	0.77	0.75	0.74	0.72	0.71
20,000	1.00	0.95	0.93	0.89	0.85	0.83	0.81	0.78	0.76	0.74	0.72	0.71	0.69
22,000	1.00	0.95	0.92	0.88	0.85	0.82	0.80	0.77	0.74	0.72	0.71	0.69	0.67
50,000	1.00	0.93	0.89	0.83	0.78	0.74	0.71	0.67	0.64	0.61	0.58	0.56	0.53

TABLE 3-5. HOURLY RATE ELEMENT

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
1015	4.51	1.91	8.16	1.96	0.23	0.03	4.06	20.86								
1020	5.05	2.13	2.90	0.70	0.23	0.03	4.55	15.59								
1030	4.68	1.98	6.08	1.46	0.23	0.03	4.22	18.68								
1035	4.74	2.00	6.08	1.46	0.23	0.03	4.27	18.81								
1050	0.83	0.38	2.87	0.92	0.02	0.00	0.80	5.82								
1055	1.00	0.46	0.87	0.24	0.02	0.00	0.96	3.55								
1060	1.02	0.47	4.02	1.29	0.02	0.00	0.98	7.80								
1065	1.08	0.50	1.34	0.37	0.02	0.00	1.04	4.35								
1070	1.11	0.51	4.02	1.29	0.02	0.00	1.07	8.02								
1075	1.26	0.58	1.42	0.40	0.02	0.00	1.21	4.89								
1080	1.15	0.53	4.02	1.29	0.02	0.00	1.10	8.11								
1085	1.36	0.62	1.81	0.51	0.02	0.00	1.30	5.62								
1090	1.59	0.73	2.31	0.65	0.03	0.00	1.53	6.84								
1095	2.45	1.15	3.20	0.90	0.15	0.02	2.37	10.24								
1100	3.20	1.50	3.99	1.12	0.15	0.02	3.09	13.07								
1105	3.85	1.80	4.93	1.38	0.17	0.03	3.71	15.87								
1110	4.48	2.08	5.98	1.67	0.17	0.03	4.31	18.72								
1115	5.11	2.37	6.82	1.91	0.17	0.03	4.92	21.33								
1120	5.60	2.60	7.08	1.98	0.17	0.03	5.39	22.85								
1125	5.45	2.52	7.71	2.16	0.17	0.03	5.24	23.28								
1130	7.52	3.47	10.49	2.94	0.17	0.03	7.23	31.85								
1135	8.50	3.92	11.96	3.35	0.21	0.03	8.17	36.14								
1150	0.30	0.06	0.00	0.06	0.00	0.00	0.58	1.00								
1155	0.55	0.10	0.00	0.06	0.00	0.00	1.06	1.77								
1160	0.56	0.10	0.00	0.06	0.00	0.00	1.07	1.79								
1165	0.61	0.11	0.00	0.13	0.00	0.00	1.17	2.02								
1170	0.83	0.15	0.00	0.13	0.00	0.00	1.58	2.69								
1175	2.33	0.45	0.00	0.28	0.05	0.01	4.50	7.62								
1180	2.76	0.55	0.00	0.41	0.14	0.02	5.38	9.26								
1185	3.41	0.67	0.00	0.51	0.14	0.02	6.63	11.38								
1195	0.18	0.03	0.00	0.06	0.00	0.00	0.35	0.62								
1200	0.40	0.08	0.00	0.11	0.00	0.00	0.77	1.36								
1205	0.19	0.04	0.00	0.06	0.00	0.00	0.36	0.65								
1210	0.20	0.04	0.00	0.06	0.00	0.00	0.39	0.69								
1215	0.22	0.04	0.00	0.06	0.00	0.00	0.42	0.74								
1220	0.74	0.14	0.00	0.13	0.00	0.00	1.42	2.43								
1230	0.40	0.07	0.00	0.15	0.00	0.00	1.27	1.89								
1235	0.26	0.05	0.00	0.13	0.00	0.00	0.82	1.26								
1240	0.23	0.04	0.00	0.10	0.00	0.00	0.73	1.10								
1245	0.21	0.04	0.00	0.08	0.00	0.00	0.66	0.99								
1250	0.16	0.03	0.00	0.06	0.00	0.00	0.52	0.77								
1265	2.54	1.05	2.58	0.83	0.00	0.00	2.76	9.76								
1270	2.60	1.07	2.58	0.83	0.00	0.00	2.83	9.91								
1275	2.78	1.15	2.58	0.83	0.00	0.00	3.03	10.37								
1280	3.12	1.29	2.58	0.83	0.00	0.00	3.40	11.22								
1295	10.14	4.25	2.05	0.57	0.37	0.06	11.73	29.17								
1300	11.32	4.81	2.52	0.70	0.81	0.12	13.13	33.41								
1305	12.67	5.37	3.72	1.04	0.81	0.12	14.69	38.42								
1310	11.88	4.90	2.05	0.57	0.00	0.00	13.70	33.10								
1315	13.69	5.65	2.52	0.70	0.00	0.00	15.79	38.35								
1320	16.67	6.88	3.72	1.04	0.00	0.00	19.23	47.54								
1330	3.85	1.65	0.79	0.22	0.35	0.05	4.48	11.39								
1335	6.49	2.74	1.15	0.32	0.35	0.05	7.52	18.62								
1340	8.65	3.66	1.47	0.41	0.52	0.08	10.02	24.81								
1345	10.40	4.43	2.49	0.70	0.81	0.12	12.08	31.03								

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	12.36	5.27	2.41	0.68	0.99	0.15	14.35	36.21								
1355	16.02	6.85	3.88	1.09	1.38	0.21	18.61	48.04								
1360	11.86	4.89	2.36	0.66	0.00	0.00	13.67	33.44								
1365	14.26	5.89	3.28	0.92	0.00	0.00	16.45	40.80								
1380	0.40	0.14	0.00	1.03	0.02	0.00	0.41	2.00								
1385	0.47	0.16	0.00	1.14	0.02	0.00	0.49	2.28								
1395	0.27	0.10	0.00	0.90	0.02	0.00	0.28	1.57								
1400	0.31	0.11	0.00	1.15	0.03	0.00	0.33	1.93								
1415	0.89	0.31	0.40	1.74	0.03	0.00	0.93	4.30								
1430	0.53	0.22	0.00	0.24	0.02	0.00	0.55	1.56								
1435	0.68	0.29	1.72	0.41	0.02	0.00	0.71	3.83								
1440	0.26	0.11	0.00	0.10	0.00	0.00	0.27	0.74								
1445	0.47	0.19	0.00	0.14	0.00	0.00	0.49	1.29								
1460	0.31	0.13	0.44	0.14	0.02	0.00	0.37	1.41								
1465	0.38	0.16	0.72	0.23	0.02	0.00	0.44	1.95								
1470	0.80	0.34	2.40	0.77	0.02	0.00	0.94	5.27								
1475	1.02	0.43	1.42	0.40	0.02	0.00	1.19	4.48								
1485	0.96	0.40	6.00	1.92	0.00	0.00	1.12	10.40								
1490	1.03	0.43	6.00	1.92	0.04	0.01	1.20	10.63								
1505	1.01	0.38	0.00	0.00	0.00	0.00	0.84	2.23	1.26	0.39	0.00	0.00	0.00	0.00	1.21	2.86
1510	1.08	0.40	0.00	0.00	0.00	0.00	0.91	2.39	1.35	0.41	0.00	0.00	0.00	0.00	1.29	3.05
1515	1.55	0.58	0.00	0.00	0.00	0.00	1.30	3.43	1.94	0.59	0.00	0.00	0.00	0.00	1.85	4.38
1520	1.80	0.67	0.00	0.00	0.00	0.00	1.51	3.98	2.25	0.69	0.00	0.00	0.00	0.00	2.15	5.09
1525	2.35	0.88	0.00	0.00	0.00	0.00	1.96	5.19	2.93	0.90	0.00	0.00	0.00	0.00	2.81	6.64
1530	2.49	0.93	0.00	0.00	0.00	0.00	2.08	5.50	3.11	0.95	0.00	0.00	0.00	0.00	2.97	7.03
1535	2.69	1.01	0.00	0.00	0.00	0.00	2.25	5.95	3.36	1.03	0.00	0.00	0.00	0.00	3.22	7.61
1540	2.96	1.11	0.00	0.00	0.00	0.00	2.48	6.55	3.70	1.13	0.00	0.00	0.00	0.00	3.54	8.37
1545	3.20	1.20	0.00	0.00	0.00	0.00	2.68	7.08	4.00	1.23	0.00	0.00	0.00	0.00	3.83	9.06
1550	3.40	1.27	0.00	0.00	0.00	0.00	2.85	7.52	4.25	1.30	0.00	0.00	0.00	0.00	4.07	9.62
1555	3.75	1.40	0.00	0.00	0.00	0.00	3.14	8.29	4.68	1.44	0.00	0.00	0.00	0.00	4.48	10.60
1560	3.89	1.46	0.00	0.00	0.00	0.00	3.26	8.61	4.86	1.49	0.00	0.00	0.00	0.00	4.65	11.00
1565	4.10	1.53	0.00	0.00	0.00	0.00	3.43	9.06	5.12	1.57	0.00	0.00	0.00	0.00	4.90	11.59
1570	4.30	1.61	0.00	0.00	0.00	0.00	3.60	9.51	5.37	1.65	0.00	0.00	0.00	0.00	5.14	12.16
1575	4.46	1.67	0.00	0.00	0.00	0.00	3.73	9.86	5.57	1.71	0.00	0.00	0.00	0.00	5.33	12.61
1585	1.31	0.49	0.00	0.00	0.00	0.00	1.10	2.90	1.64	0.50	0.00	0.00	0.00	0.00	1.57	3.71
1590	1.31	0.49	0.00	0.00	0.00	0.00	1.10	2.90	1.64	0.50	0.00	0.00	0.00	0.00	1.57	3.71
1595	1.91	0.71	0.00	0.00	0.00	0.00	1.60	4.22	2.39	0.73	0.00	0.00	0.00	0.00	2.29	5.41
1600	2.06	0.77	0.00	0.00	0.00	0.00	1.73	4.56	2.58	0.79	0.00	0.00	0.00	0.00	2.47	5.84
1605	2.62	0.98	0.00	0.00	0.00	0.00	2.19	5.79	3.27	1.00	0.00	0.00	0.00	0.00	3.13	7.40
1610	2.86	1.07	0.00	0.00	0.00	0.00	2.40	6.33	3.58	1.10	0.00	0.00	0.00	0.00	3.43	8.11
1615	3.27	1.22	0.00	0.00	0.00	0.00	2.74	7.23	4.08	1.25	0.00	0.00	0.00	0.00	3.91	9.24
1620	3.51	1.31	0.00	0.00	0.00	0.00	2.94	7.76	4.39	1.35	0.00	0.00	0.00	0.00	4.20	9.94
1625	3.77	1.41	0.00	0.00	0.00	0.00	3.16	8.34	4.72	1.45	0.00	0.00	0.00	0.00	4.51	10.68
1630	4.13	1.54	0.00	0.00	0.00	0.00	3.46	9.13	5.16	1.58	0.00	0.00	0.00	0.00	4.94	11.68
1635	4.36	1.63	0.00	0.00	0.00	0.00	3.65	9.64	5.45	1.67	0.00	0.00	0.00	0.00	5.21	12.33
1640	4.57	1.71	0.00	0.00	0.00	0.00	3.83	10.11	5.71	1.75	0.00	0.00	0.00	0.00	5.47	12.93
1645	4.81	1.80	0.00	0.00	0.00	0.00	4.03	10.64	6.01	1.84	0.00	0.00	0.00	0.00	5.75	13.60
1650	5.01	1.87	0.00	0.00	0.00	0.00	4.20	11.08	6.27	1.92	0.00	0.00	0.00	0.00	6.00	14.19
1655	5.21	1.95	0.00	0.00	0.00	0.00	4.36	11.52	6.52	2.00	0.00	0.00	0.00	0.00	6.23	14.75
1665	1.48	0.55	0.00	0.00	0.00	0.00	1.24	3.27	1.85	0.57	0.00	0.00	0.00	0.00	1.77	4.19
1670	1.51	0.56	0.00	0.00	0.00	0.00	1.26	3.33	1.89	0.58	0.00	0.00	0.00	0.00	1.81	4.28
1675	2.17	0.81	0.00	0.00	0.00	0.00	1.82	4.80	2.72	0.83	0.00	0.00	0.00	0.00	2.60	6.15
1680	2.65	0.99	0.00	0.00	0.00	0.00	2.22	5.86	3.31	1.01	0.00	0.00	0.00	0.00	3.17	7.49
1685	3.05	1.14	0.00	0.00	0.00	0.00	2.55	6.74	3.81	1.17	0.00	0.00	0.00	0.00	3.65	8.63
1690	3.30	1.24	0.00	0.00	0.00	0.00	2.76	7.30	4.13	1.27	0.00	0.00	0.00	0.00	3.95	9.35

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
1695	3.64	1.36	0.00	0.00	0.00	0.00	3.05	8.05	4.55	1.39	0.00	0.00	0.00	0.00	4.35	10.29
1700	3.91	1.46	0.00	0.00	0.00	0.00	3.28	8.65	4.89	1.50	0.00	0.00	0.00	0.00	4.68	11.07
1705	4.01	1.50	0.00	0.00	0.00	0.00	3.36	8.87	5.01	1.54	0.00	0.00	0.00	0.00	4.79	11.34
1710	4.33	1.62	0.00	0.00	0.00	0.00	3.63	9.58	5.42	1.66	0.00	0.00	0.00	0.00	5.18	12.26
1715	4.59	1.72	0.00	0.00	0.00	0.00	3.84	10.15	5.74	1.76	0.00	0.00	0.00	0.00	5.49	12.99
1720	4.82	1.80	0.00	0.00	0.00	0.00	4.04	10.66	6.03	1.85	0.00	0.00	0.00	0.00	5.77	13.65
1725	5.13	1.92	0.00	0.00	0.00	0.00	4.29	11.34	6.41	1.96	0.00	0.00	0.00	0.00	6.13	14.50
1730	5.32	1.99	0.00	0.00	0.00	0.00	4.45	11.76	6.65	2.04	0.00	0.00	0.00	0.00	6.36	15.05
1735	5.57	2.08	0.00	0.00	0.00	0.00	4.66	12.31	6.96	2.13	0.00	0.00	0.00	0.00	6.66	15.75
1750	0.26	0.11	0.00	0.00	0.00	0.00	0.23	0.60								
1755	0.27	0.11	0.00	0.00	0.00	0.00	0.24	0.62								
1760	0.28	0.11	0.00	0.00	0.00	0.00	0.25	0.64								
1765	0.29	0.12	0.00	0.00	0.00	0.00	0.26	0.67								
1770	0.33	0.14	0.00	0.00	0.00	0.00	0.30	0.77								
1775	0.42	0.17	0.00	0.00	0.00	0.00	0.38	0.97								
1780	0.50	0.20	0.00	0.00	0.00	0.00	0.44	1.14								
1785	0.57	0.24	0.00	0.00	0.00	0.00	0.51	1.32								
1795	0.13	0.05	0.00	0.00	0.00	0.00	0.11	0.29								
1800	0.16	0.07	0.00	0.00	0.00	0.00	0.14	0.37								
1805	0.21	0.09	0.00	0.00	0.00	0.00	0.18	0.48								
1810	0.29	0.12	0.00	0.00	0.00	0.00	0.26	0.67								
1815	0.37	0.15	0.00	0.00	0.00	0.00	0.33	0.85								
1825	0.53	0.22	0.00	0.00	0.00	0.00	0.47	1.22								
1830	0.55	0.23	0.00	0.00	0.00	0.00	0.49	1.27								
1835	0.57	0.24	0.00	0.00	0.00	0.00	0.51	1.32								
1840	0.75	0.31	0.00	0.00	0.00	0.00	0.67	1.73								
1845	0.78	0.32	0.00	0.00	0.00	0.00	0.70	1.80								
1850	1.13	0.47	0.00	0.00	0.00	0.00	1.01	2.61								
1855	1.35	0.56	0.00	0.00	0.00	0.00	1.21	3.12								
1865	0.60	0.25	0.00	0.00	0.00	0.00	0.54	1.39								
1870	0.67	0.28	0.00	0.00	0.00	0.00	0.60	1.55								
1875	0.78	0.32	0.00	0.00	0.00	0.00	0.69	1.79								
1880	0.86	0.36	0.00	0.00	0.00	0.00	0.77	1.99								
1885	1.01	0.42	0.00	0.00	0.00	0.00	0.90	2.33								
1900	0.30	0.11	0.00	0.00	0.00	0.00	0.25	0.66	0.38	0.12	0.00	0.00	0.00	0.00	0.36	0.86
1905	0.36	0.13	0.00	0.00	0.00	0.00	0.30	0.79	0.45	0.14	0.00	0.00	0.00	0.00	0.43	1.02
1910	0.44	0.16	0.00	0.00	0.00	0.00	0.37	0.97	0.55	0.17	0.00	0.00	0.00	0.00	0.53	1.25
1915	0.52	0.19	0.00	0.00	0.00	0.00	0.43	1.14	0.65	0.20	0.00	0.00	0.00	0.00	0.62	1.47
1920	0.61	0.23	0.00	0.00	0.00	0.00	0.51	1.35	0.76	0.23	0.00	0.00	0.00	0.00	0.73	1.72
1925	0.75	0.28	0.00	0.00	0.00	0.00	0.63	1.66	0.94	0.29	0.00	0.00	0.00	0.00	0.90	2.13
1930	0.83	0.31	0.00	0.00	0.00	0.00	0.70	1.84	1.04	0.32	0.00	0.00	0.00	0.00	0.99	2.35
1935	1.01	0.38	0.00	0.00	0.00	0.00	0.85	2.24	1.26	0.39	0.00	0.00	0.00	0.00	1.21	2.86
1940	1.07	0.40	0.00	0.00	0.00	0.00	0.90	2.37	1.34	0.41	0.00	0.00	0.00	0.00	1.28	3.03
1945	1.30	0.48	0.00	0.00	0.00	0.00	1.09	2.87	1.62	0.50	0.00	0.00	0.00	0.00	1.55	3.67
1950	1.41	0.53	0.00	0.00	0.00	0.00	1.18	3.12	1.76	0.54	0.00	0.00	0.00	0.00	1.68	3.98
1955	1.54	0.57	0.00	0.00	0.00	0.00	1.29	3.40	1.92	0.59	0.00	0.00	0.00	0.00	1.84	4.35
1960	1.70	0.64	0.00	0.00	0.00	0.00	1.43	3.77	2.13	0.65	0.00	0.00	0.00	0.00	2.04	4.82
1965	1.97	0.74	0.00	0.00	0.00	0.00	1.65	4.36	2.46	0.75	0.00	0.00	0.00	0.00	2.35	5.56
1970	2.14	0.80	0.00	0.00	0.00	0.00	1.79	4.73	2.67	0.82	0.00	0.00	0.00	0.00	2.56	6.05
1975	2.63	0.98	0.00	0.00	0.00	0.00	2.20	5.81	3.29	1.01	0.00	0.00	0.00	0.00	3.14	7.44
1980	3.02	1.13	0.00	0.00	0.00	0.00	2.53	6.68	3.78	1.16	0.00	0.00	0.00	0.00	3.61	8.55
1990	0.35	0.13	0.00	0.00	0.00	0.00	0.30	0.78	0.44	0.14	0.00	0.00	0.00	0.00	0.42	1.00
1995	0.43	0.16	0.00	0.00	0.00	0.00	0.36	0.95	0.54	0.17	0.00	0.00	0.00	0.00	0.52	1.23
2000	0.54	0.20	0.00	0.00	0.00	0.00	0.45	1.19	0.67	0.21	0.00	0.00	0.00	0.00	0.64	1.52
2005	0.64	0.24	0.00	0.00	0.00	0.00	0.53	1.41	0.80	0.24	0.00	0.00	0.00	0.00	0.76	1.80

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	0.74	0.28	0.00	0.00	0.00	0.00	0.62	1.64	0.92	0.28	0.00	0.00	0.00	0.00	0.88	2.08
2015	0.88	0.33	0.00	0.00	0.00	0.00	0.74	1.95	1.10	0.34	0.00	0.00	0.00	0.00	1.05	2.49
2020	0.97	0.36	0.00	0.00	0.00	0.00	0.81	2.14	1.21	0.37	0.00	0.00	0.00	0.00	1.16	2.74
2025	1.17	0.44	0.00	0.00	0.00	0.00	0.98	2.59	1.46	0.45	0.00	0.00	0.00	0.00	1.39	3.30
2030	1.25	0.47	0.00	0.00	0.00	0.00	1.04	2.76	1.56	0.48	0.00	0.00	0.00	0.00	1.49	3.53
2035	1.60	0.60	0.00	0.00	0.00	0.00	1.34	3.54	2.00	0.61	0.00	0.00	0.00	0.00	1.91	4.52
2040	1.65	0.62	0.00	0.00	0.00	0.00	1.38	3.65	2.07	0.63	0.00	0.00	0.00	0.00	1.98	4.68
2045	1.89	0.71	0.00	0.00	0.00	0.00	1.58	4.18	2.36	0.72	0.00	0.00	0.00	0.00	2.26	5.34
2050	2.08	0.78	0.00	0.00	0.00	0.00	1.74	4.60	2.60	0.80	0.00	0.00	0.00	0.00	2.48	5.88
2055	2.49	0.93	0.00	0.00	0.00	0.00	2.08	5.50	3.11	0.95	0.00	0.00	0.00	0.00	2.97	7.03
2060	2.65	0.99	0.00	0.00	0.00	0.00	2.22	5.86	3.31	1.01	0.00	0.00	0.00	0.00	3.17	7.49
2065	3.37	1.26	0.00	0.00	0.00	0.00	2.82	7.45	4.22	1.29	0.00	0.00	0.00	0.00	4.03	9.54
2070	3.76	1.40	0.00	0.00	0.00	0.00	3.14	8.30	4.69	1.44	0.00	0.00	0.00	0.00	4.49	10.62
2080	1.41	0.53	0.00	0.00	0.00	0.00	1.18	3.12	1.76	0.54	0.00	0.00	0.00	0.00	1.69	3.99
2085	1.47	0.55	0.00	0.00	0.00	0.00	1.23	3.25	1.83	0.56	0.00	0.00	0.00	0.00	1.76	4.15
2090	1.64	0.61	0.00	0.00	0.00	0.00	1.38	3.63	2.05	0.63	0.00	0.00	0.00	0.00	1.97	4.65
2095	2.20	0.82	0.00	0.00	0.00	0.00	1.84	4.86	2.75	0.84	0.00	0.00	0.00	0.00	2.63	6.22
2100	2.46	0.92	0.00	0.00	0.00	0.00	2.06	5.44	3.07	0.94	0.00	0.00	0.00	0.00	2.94	6.95
2105	2.54	0.95	0.00	0.00	0.00	0.00	2.12	5.61	3.17	0.97	0.00	0.00	0.00	0.00	3.04	7.18
2110	2.72	1.02	0.00	0.00	0.00	0.00	2.28	6.02	3.40	1.04	0.00	0.00	0.00	0.00	3.25	7.69
2115	3.46	1.29	0.00	0.00	0.00	0.00	2.89	7.64	4.32	1.32	0.00	0.00	0.00	0.00	4.13	9.77
2120	3.55	1.33	0.00	0.00	0.00	0.00	2.98	7.86	4.44	1.36	0.00	0.00	0.00	0.00	4.25	10.05
2125	4.52	1.69	0.00	0.00	0.00	0.00	3.78	9.99	5.65	1.73	0.00	0.00	0.00	0.00	5.40	12.78
2130	4.68	1.75	0.00	0.00	0.00	0.00	3.92	10.35	5.85	1.79	0.00	0.00	0.00	0.00	5.59	13.23
2135	5.56	2.08	0.00	0.00	0.00	0.00	4.66	12.30	6.95	2.13	0.00	0.00	0.00	0.00	6.65	15.73
2140	5.92	2.21	0.00	0.00	0.00	0.00	4.96	13.09	7.40	2.27	0.00	0.00	0.00	0.00	7.08	16.75
2155	0.86	0.32	0.00	0.00	0.00	0.00	0.72	1.90	1.07	0.33	0.00	0.00	0.00	0.00	1.02	2.42
2160	1.10	0.41	0.00	0.00	0.00	0.00	0.92	2.43	1.37	0.42	0.00	0.00	0.00	0.00	1.31	3.10
2165	1.50	0.56	0.00	0.00	0.00	0.00	1.26	3.32	1.88	0.58	0.00	0.00	0.00	0.00	1.80	4.26
2170	1.99	0.74	0.00	0.00	0.00	0.00	1.67	4.40	2.49	0.76	0.00	0.00	0.00	0.00	2.38	5.63
2175	2.97	1.11	0.00	0.00	0.00	0.00	2.49	6.57	3.72	1.14	0.00	0.00	0.00	0.00	3.56	8.42
2180	3.39	1.27	0.00	0.00	0.00	0.00	2.84	7.50	4.24	1.30	0.00	0.00	0.00	0.00	4.05	9.59
2185	4.11	1.54	0.00	0.00	0.00	0.00	3.44	9.09	5.14	1.57	0.00	0.00	0.00	0.00	4.91	11.62
2190	4.99	1.87	0.00	0.00	0.00	0.00	4.18	11.04	6.24	1.91	0.00	0.00	0.00	0.00	5.97	14.12
2195	6.06	2.26	0.00	0.00	0.00	0.00	5.07	13.39	7.57	2.32	0.00	0.00	0.00	0.00	7.24	17.13
2200	7.03	2.63	0.00	0.00	0.00	0.00	5.88	15.54	8.78	2.69	0.00	0.00	0.00	0.00	8.40	19.87
2210	0.23	0.06	0.24	0.06	0.00	0.00	0.35	0.94								
2215	0.22	0.06	0.24	0.06	0.00	0.00	0.35	0.93								
2220	0.41	0.11	0.32	0.08	0.00	0.00	0.63	1.55								
2225	0.32	0.08	0.40	0.10	0.00	0.00	0.49	1.39								
2230	0.41	0.11	0.48	0.11	0.00	0.00	0.63	1.74								
2235	0.18	0.05	0.32	0.08	0.00	0.00	0.27	0.90								
2240	0.25	0.07	0.55	0.13	0.00	0.00	0.38	1.38								
2245	0.25	0.07	0.40	0.10	0.00	0.00	0.38	1.20								
2250	0.26	0.07	0.24	0.06	0.00	0.00	0.39	1.02								
2255	0.30	0.08	0.24	0.06	0.00	0.00	0.46	1.14								
2260	0.31	0.08	0.32	0.08	0.00	0.00	0.48	1.27								
2265	0.16	0.04	0.32	0.08	0.00	0.00	0.24	0.84								
2270	0.22	0.06	0.32	0.08	0.00	0.00	0.34	1.02								
2275	0.43	0.11	0.18	0.04	0.00	0.00	0.65	1.41								
2280	0.59	0.16	0.40	0.10	0.00	0.00	0.91	2.16								
2285	0.75	0.20	0.18	0.04	0.00	0.00	1.15	2.32								
2290	1.11	0.29	0.26	0.06	0.00	0.00	1.70	3.42								
2295	1.11	0.29	0.18	0.04	0.00	0.00	1.71	3.33								
2300	1.28	0.34	0.15	0.04	0.00	0.00	1.97	3.78								

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
2305	1.76	0.46	0.29	0.07	0.00	0.00	2.71	5.29								
2310	2.21	0.58	0.48	0.11	0.00	0.00	3.39	6.77								
2315	0.46	0.12	0.71	0.17	0.00	0.00	0.71	2.17								
2320	0.49	0.13	0.26	0.06	0.00	0.00	0.75	1.69								
2325	1.64	0.43	0.40	0.10	0.00	0.00	2.52	5.09								
2330	1.50	0.39	0.29	0.07	0.00	0.00	2.30	4.55								
2335	1.69	0.44	0.29	0.07	0.00	0.00	2.59	5.08								
2350	7.75	2.04	1.16	0.32	0.00	0.00	8.02	19.29								
2365	0.24	0.06	0.31	0.10	0.00	0.00	0.25	0.96								
2375	0.61	0.16	0.49	0.16	0.00	0.00	0.63	2.05								
2390	0.20	0.05	0.43	0.14	0.00	0.00	0.21	1.03								
2395	0.78	0.21	0.99	0.32	0.00	0.00	0.81	3.11								
2400	1.01	0.27	0.99	0.32	0.00	0.00	1.04	3.63								
2410	0.07	0.02	0.05	0.03	0.02	0.00	0.08	0.27								
2415	0.14	0.04	0.21	0.10	0.02	0.00	0.15	0.66								
2420	0.08	0.02	0.05	0.03	0.02	0.00	0.08	0.28								
2425	0.28	0.08	0.31	0.16	0.02	0.00	0.29	1.14								
2430	0.29	0.08	0.43	0.14	0.02	0.00	0.30	1.26								
2435	0.21	0.06	0.43	0.14	0.02	0.00	0.22	1.08								
2450	10.90	4.50	3.72	1.04	0.00	0.00	12.57	32.73								
2455	20.70	8.54	5.45	1.53	0.00	0.00	23.87	60.09								
2460	36.65	15.12	6.55	1.84	0.00	0.00	42.26	102.42								
2465	42.20	17.41	10.49	2.94	0.00	0.00	48.66	121.70								
2475	2.21	0.91	3.73	1.19	0.00	0.00	2.55	10.59								
2480	3.99	1.65	3.73	1.19	0.00	0.00	4.61	15.17								
2485	9.01	3.72	2.81	0.79	0.00	0.00	10.39	26.72								
2490	12.25	5.05	3.80	1.06	0.00	0.00	14.12	36.28								
2495	16.70	6.89	5.64	1.58	0.00	0.00	19.26	50.07								
2500	31.11	12.84	8.52	2.39	0.00	0.00	35.87	90.73								
2505	44.53	18.38	11.27	3.16	0.00	0.00	51.35	128.69								
2510	10.11	4.17	2.62	0.73	0.00	0.00	11.66	29.29								
2525	2.64	0.83	0.46	0.13	0.07	0.01	2.90	7.04								
2530	3.03	0.95	0.77	0.22	0.07	0.01	3.32	8.37								
2535	0.86	0.27	0.00	0.19	0.04	0.01	0.95	2.32								
2540	1.71	0.53	0.00	0.31	0.04	0.01	1.87	4.47								
2565	5.91	1.82	4.25	1.19	0.02	0.00	6.46	19.65								
2570	15.51	4.82	11.05	3.10	0.27	0.04	16.97	51.76								
2580	4.88	1.51	2.59	0.72	0.02	0.00	5.33	15.05								
2585	7.56	2.35	5.87	1.64	0.15	0.02	8.27	25.86								
2590	7.77	2.42	5.87	1.64	0.15	0.02	8.50	26.37								
2595	10.37	3.20	6.84	1.91	0.07	0.01	11.34	33.74								
2600	13.33	4.11	11.59	3.25	0.07	0.01	14.57	46.93								
2605	15.80	4.96	9.21	2.58	0.66	0.10	17.32	50.63								
2610	22.86	7.14	9.21	2.58	0.68	0.10	25.04	67.61								
2615	28.03	8.77	12.58	3.52	0.93	0.14	30.71	84.68								
2630	0.17	0.06	0.63	0.20	0.00	0.00	0.19	1.25								
2635	0.21	0.07	0.95	0.30	0.00	0.00	0.24	1.77								
2640	0.21	0.07	1.11	0.35	0.00	0.00	0.24	1.98								
2645	0.46	0.16	1.11	0.35	0.00	0.00	0.54	2.62								
2650	0.59	0.20	1.43	0.46	0.00	0.00	0.68	3.36								
2655	0.66	0.23	2.38	0.76	0.00	0.00	0.77	4.80								
2660	0.97	0.33	2.77	0.89	0.00	0.00	1.13	6.09								
2665	1.31	0.44	5.15	1.65	0.00	0.00	1.52	10.07								
2675	1.07	0.36	0.79	0.25	0.00	0.00	1.25	3.72								
2680	1.19	0.40	2.77	0.89	0.00	0.00	1.38	6.63								

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
2685	0.13	0.04	0.63	0.20	0.00	0.00	0.15	1.15								
2690	0.19	0.06	0.87	0.28	0.00	0.00	0.22	1.62								
2695	0.20	0.07	0.40	0.13	0.00	0.00	0.23	1.03								
2700	0.59	0.20	1.43	0.46	0.00	0.00	0.69	3.37								
2705	0.78	0.26	2.77	0.89	0.00	0.00	0.90	5.60								
2710	1.30	0.44	5.15	1.65	0.00	0.00	1.52	10.06								
2730	16.20	8.85	2.36	0.47	0.00	0.00	15.93	43.81	18.70	8.94	2.99	0.60	0.00	0.00	20.68	51.91
2735	16.31	8.91	1.89	0.38	0.00	0.00	13.02	40.51	18.81	9.00	2.44	0.49	0.00	0.00	16.18	46.92
2745	17.76	9.70	1.89	0.38	0.00	0.00	14.19	43.92	20.50	9.80	2.44	0.49	0.00	0.00	17.63	50.86
2755	18.52	10.12	2.07	0.41	0.00	0.00	14.80	45.92	21.37	10.22	2.67	0.53	0.00	0.00	18.38	53.17
2765	22.14	12.09	3.48	0.70	0.00	0.00	21.76	60.17	25.54	12.22	4.40	0.88	0.00	0.00	28.25	71.29
2770	21.67	11.83	2.78	0.56	0.00	0.00	17.31	54.15	25.00	11.96	3.59	0.72	0.00	0.00	21.51	62.78
2780	19.13	12.39	2.78	0.61	0.00	0.00	17.63	52.54	21.52	12.48	3.59	0.79	0.00	0.00	21.15	59.53
2790	23.41	15.17	2.78	0.61	0.00	0.00	21.57	63.54	26.33	15.28	3.59	0.79	0.00	0.00	25.89	71.88
2800	31.90	20.67	4.75	1.05	0.00	0.00	29.40	87.77	35.89	20.82	6.14	1.35	0.00	0.00	35.28	99.48
2810	33.30	21.58	4.75	1.05	0.00	0.00	30.69	91.37	37.46	21.73	6.14	1.35	0.00	0.00	36.83	103.51
2815	32.08	20.79	5.94	1.31	0.00	0.00	35.48	95.60	36.09	20.94	7.53	1.66	0.00	0.00	44.35	110.57
2825	36.06	23.37	4.75	1.05	0.00	0.00	33.23	98.46	40.56	23.53	6.14	1.35	0.00	0.00	39.88	111.46
2835	34.11	24.42	4.75	1.14	0.00	0.00	35.62	100.04	37.89	24.56	6.14	1.47	0.00	0.00	41.91	111.97
2845	35.80	25.63	4.75	1.14	0.00	0.00	37.39	104.71	39.78	25.78	6.14	1.47	0.00	0.00	43.99	117.16
2865	11.82	5.65	1.39	0.45	0.00	0.00	7.99	27.30	13.97	5.73	1.80	0.57	0.00	0.00	10.30	32.37
2875	13.32	6.37	1.82	0.58	0.00	0.00	9.00	31.09	15.75	6.46	2.35	0.75	0.00	0.00	11.61	36.92
2885	13.02	7.11	1.85	0.37	0.00	0.00	10.40	32.75	15.02	7.18	2.40	0.48	0.00	0.00	12.92	38.00
2900	12.24	6.69	1.82	0.36	0.00	0.00	9.78	30.89	14.12	6.76	2.35	0.47	0.00	0.00	12.15	35.85
2910	15.26	8.33	1.82	0.36	0.00	0.00	12.19	37.96	17.61	8.42	2.35	0.47	0.00	0.00	15.14	43.99
2920	16.13	10.45	2.95	0.65	0.00	0.00	14.86	45.04	18.14	10.52	3.81	0.84	0.00	0.00	17.83	51.14
2930	19.12	12.39	3.44	0.76	0.00	0.00	17.62	53.33	21.51	12.48	4.45	0.98	0.00	0.00	21.15	60.57
2940	23.74	15.38	3.44	0.76	0.00	0.00	21.88	65.20	26.70	15.49	4.45	0.98	0.00	0.00	26.25	73.87
2950	27.70	17.95	4.06	0.89	0.00	0.00	25.53	76.13	31.16	18.08	5.24	1.15	0.00	0.00	30.63	86.26
2960	33.87	21.95	4.06	0.89	0.00	0.00	31.21	91.98	38.10	22.10	5.24	1.15	0.00	0.00	37.46	104.05
2970	41.62	29.80	7.45	1.79	0.00	0.00	43.47	124.13	46.25	29.97	9.63	2.31	0.00	0.00	51.15	139.31
2980	52.70	37.72	7.45	1.79	0.00	0.00	55.04	154.70	58.55	37.94	9.63	2.31	0.00	0.00	64.75	173.18
2990	86.79	62.13	9.94	2.38	0.00	0.00	90.65	251.89	96.43	62.49	12.83	3.08	0.00	0.00	106.65	281.48
3000	103.90	74.38	9.94	2.38	0.00	0.00	108.52	299.12	115.45	74.81	12.83	3.08	0.00	0.00	127.68	333.85
3015	22.89	14.83	5.94	1.31	0.00	0.00	25.31	70.28	25.75	14.94	7.53	1.66	0.00	0.00	31.64	81.52
3020	25.19	16.32	4.75	1.05	0.00	0.00	23.22	70.53	28.34	16.44	6.14	1.35	0.00	0.00	27.86	80.13
3030	29.76	19.28	4.97	1.09	0.00	0.00	27.42	82.52	33.48	19.42	6.42	1.41	0.00	0.00	32.91	93.64
3040	38.53	24.97	7.45	1.64	0.00	0.00	42.61	115.20	43.34	25.14	9.44	2.08	0.00	0.00	53.26	133.26
3045	37.26	26.67	5.96	1.43	0.00	0.00	38.92	110.24	41.40	26.83	7.70	1.85	0.00	0.00	45.78	123.56
3055	55.14	39.47	11.34	2.72	0.00	0.00	57.59	166.26	61.26	39.70	14.65	3.52	0.00	0.00	67.75	186.88
3060	54.57	39.07	14.18	3.40	0.00	0.00	67.06	178.28	60.63	39.29	17.96	4.31	0.00	0.00	81.96	204.15
3075	17.80	7.91	3.93	1.26	0.00	0.00	15.31	46.21	21.36	8.04	4.98	1.59	0.00	0.00	20.99	56.96
3080	12.99	7.09	3.15	0.63	0.00	0.00	10.37	34.23	14.98	7.17	4.06	0.81	0.00	0.00	12.89	39.91
3090	14.89	8.13	3.93	0.79	0.00	0.00	14.63	42.37	17.18	8.21	4.98	1.00	0.00	0.00	18.99	50.36
3095	13.57	7.41	3.15	0.63	0.00	0.00	10.84	35.60	15.66	7.49	4.06	0.81	0.00	0.00	13.47	41.49
3105	17.24	9.42	4.93	0.99	0.00	0.00	16.95	49.53	19.90	9.52	6.24	1.25	0.00	0.00	22.01	58.92
3110	17.16	9.37	3.94	0.79	0.00	0.00	13.71	44.97	19.80	9.47	5.09	1.02	0.00	0.00	17.03	52.41
3120	21.37	11.67	4.93	0.99	0.00	0.00	21.00	59.96	24.65	11.79	6.24	1.25	0.00	0.00	27.26	71.19
3125	17.48	11.33	3.94	0.87	0.00	0.00	16.11	49.73	19.67	11.41	5.09	1.12	0.00	0.00	19.33	56.62
3135	19.57	12.68	4.93	1.08	0.00	0.00	21.64	59.90	22.01	12.77	6.24	1.37	0.00	0.00	27.05	69.44
3140	20.24	13.12	3.94	0.87	0.00	0.00	18.65	56.82	22.77	13.21	5.09	1.12	0.00	0.00	22.39	64.58
3150	34.11	15.16	6.35	1.40	0.00	0.00	37.72	94.74	40.93	15.41	8.35	1.84	0.00	0.00	50.30	116.83
3155	23.51	12.84	5.44	1.09	0.00	0.00	23.11	65.99	27.13	12.97	6.90	1.38	0.00	0.00	30.00	78.38
3160	23.12	12.63	4.36	0.87	0.00	0.00	18.47	59.45	26.68	12.76	5.63	1.13	0.00	0.00	22.95	69.15
3170	21.54	13.96	6.29	1.38	0.00	0.00	23.83	67.00	24.24	14.06	7.97	1.75	0.00	0.00	29.78	77.80

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
3175	21.22	13.75	5.03	1.11	0.00	0.00	19.56	60.67	23.88	13.85	6.50	1.43	0.00	0.00	23.47	69.13
3185	54.21	24.09	8.65	1.90	0.00	0.00	59.95	148.80	65.05	24.49	11.36	2.50	0.00	0.00	79.94	183.34
3190	31.01	20.10	7.41	1.63	0.00	0.00	34.29	94.44	34.89	20.24	9.39	2.07	0.00	0.00	42.87	109.46
3195	32.30	20.93	5.93	1.30	0.00	0.00	29.77	90.23	36.34	21.08	7.66	1.68	0.00	0.00	35.73	102.49
3205	30.08	21.53	9.44	2.27	0.00	0.00	36.96	100.28	33.42	21.66	11.96	2.87	0.00	0.00	45.18	115.09
3210	34.98	22.67	7.55	1.66	0.00	0.00	32.24	99.10	39.35	22.83	9.75	2.15	0.00	0.00	38.69	112.77
3220	29.24	18.95	8.69	1.91	0.00	0.00	26.95	85.74	32.90	19.09	11.23	2.47	0.00	0.00	32.34	98.03
3235	9.49	4.22	1.93	0.62	0.00	0.00	8.17	24.43	11.39	4.29	2.44	0.78	0.00	0.00	11.20	30.10
3240	8.82	4.22	1.54	0.49	0.00	0.00	5.96	21.03	10.43	4.28	1.99	0.64	0.00	0.00	7.69	25.03
3255	16.95	9.26	2.69	0.54	0.00	0.00	16.66	46.10	19.56	9.36	3.41	0.68	0.00	0.00	21.63	54.64
3260	15.15	9.82	2.15	0.47	0.00	0.00	13.96	41.55	17.05	9.89	2.78	0.61	0.00	0.00	16.76	47.09
3275	22.00	14.26	3.89	0.86	0.00	0.00	24.34	65.35	24.76	14.36	4.93	1.08	0.00	0.00	30.42	75.55
3280	24.43	15.83	3.11	0.68	0.00	0.00	22.51	66.56	27.48	15.94	4.02	0.88	0.00	0.00	27.01	75.33
3290	23.59	15.29	5.38	1.18	0.00	0.00	26.09	71.53	26.54	15.40	6.82	1.50	0.00	0.00	32.61	82.87
3295	24.90	16.14	4.31	0.95	0.00	0.00	22.95	69.25	28.01	16.25	5.56	1.22	0.00	0.00	27.54	78.58
3305	30.71	19.90	5.38	1.18	0.00	0.00	33.96	91.13	34.55	20.04	6.82	1.50	0.00	0.00	42.46	105.37
3310	30.26	21.67	4.31	1.03	0.00	0.00	31.61	88.88	33.63	21.79	5.56	1.33	0.00	0.00	37.19	99.50
3320	43.34	31.03	5.43	1.30	0.00	0.00	45.26	126.36	48.15	31.20	7.02	1.68	0.00	0.00	53.25	141.30
3335	2.73	1.62	1.68	0.50	0.20	0.03	2.36	9.12								
3340	3.51	2.07	2.54	0.76	0.26	0.04	3.03	12.21								
3350	5.95	3.59	3.41	1.02	0.94	0.14	5.15	20.20								
3355	6.33	3.82	3.02	0.90	0.94	0.14	5.48	20.63								
3360	7.09	4.30	3.02	0.90	1.23	0.18	6.14	22.86								
3365	7.52	4.55	3.02	0.90	1.23	0.18	6.51	23.91								
3370	7.78	4.70	3.02	0.90	1.27	0.19	6.73	24.59								
3375	10.42	6.28	4.09	1.23	1.12	0.17	9.02	32.33								
3380	10.76	6.52	4.09	1.23	1.86	0.28	9.32	34.06								
3385	11.05	6.69	4.20	1.26	1.86	0.28	9.57	34.91								
3390	14.26	8.68	5.19	1.56	2.71	0.41	12.36	45.17								
3395	16.94	10.37	5.19	1.56	3.56	0.53	14.70	52.85								
3400	20.99	12.76	5.45	1.64	3.83	0.58	18.19	63.44								
3405	27.27	16.67	7.34	2.20	5.64	0.85	23.65	83.62								
3410	50.90	31.11	13.42	4.03	10.47	1.57	44.15	155.65								
3420	6.17	3.71	2.99	0.90	0.88	0.13	5.34	20.12								
3425	7.04	4.21	3.17	0.95	0.88	0.13	6.08	22.46								
3430	7.35	4.41	3.17	0.95	0.94	0.14	6.36	23.32								
3435	7.61	4.60	3.17	0.95	1.22	0.18	6.59	24.32								
3440	8.13	4.90	3.17	0.95	1.22	0.18	7.04	25.59								
3445	8.40	5.05	3.17	0.95	1.22	0.18	7.27	26.24								
3450	10.10	6.12	4.72	1.42	1.73	0.26	8.75	33.10								
3460	7.20	4.32	3.36	1.01	0.95	0.14	6.23	23.21								
3465	7.28	4.37	3.36	1.01	0.95	0.14	6.30	23.41								
3470	7.71	4.62	3.36	1.01	0.95	0.14	6.67	24.46								
3475	7.78	4.66	3.36	1.01	0.95	0.14	6.73	24.63								
3480	9.61	5.76	4.06	1.22	1.22	0.18	8.31	30.36								
3485	9.90	5.93	4.06	1.22	1.22	0.18	8.56	31.07								
3490	10.24	6.13	4.06	1.22	1.22	0.18	8.85	31.90								
3495	13.48	8.23	5.30	1.59	2.71	0.41	11.69	43.41								
3500	13.89	8.52	5.30	1.59	3.03	0.45	12.06	44.84								
3505	14.44	8.83	5.30	1.59	3.03	0.45	12.53	46.17								
3510	18.50	11.31	6.16	1.85	3.83	0.58	16.05	58.28								
3520	5.33	3.16	3.09	0.93	0.45	0.07	4.60	17.63								
3525	5.49	3.26	3.09	0.93	0.55	0.08	4.74	18.14								
3530	5.68	3.38	3.09	0.93	0.55	0.08	4.91	18.62								
3535	6.51	3.92	3.09	0.93	0.95	0.14	5.63	21.17								

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
3540	7.19	4.31	4.61	1.38	0.95	0.14	6.22	24.80								
3545	11.71	7.20	4.61	1.38	2.71	0.41	10.17	38.19								
3550	14.62	8.89	4.93	1.48	2.71	0.41	12.67	45.71								
3555	16.33	10.05	5.56	1.67	3.83	0.58	14.18	52.20								
3570	9.99	6.59	4.80	1.25	0.67	0.10	7.39	30.79	11.24	6.64	6.31	1.64	0.82	0.12	9.00	35.77
3575	12.03	7.99	5.38	1.40	1.06	0.16	8.91	36.93	13.54	8.04	7.07	1.84	1.30	0.19	10.85	42.83
3580	13.99	9.26	5.58	1.45	1.08	0.16	10.35	41.87	15.73	9.32	7.35	1.91	1.32	0.20	12.61	48.44
3585	16.54	10.92	6.58	1.71	1.13	0.17	12.23	49.28	18.60	11.00	8.66	2.25	1.37	0.21	14.90	56.99
3590	16.56	12.20	7.29	1.90	1.96	0.29	14.31	54.51	18.40	12.27	9.59	2.49	2.44	0.37	17.04	62.60
3595	19.10	14.00	6.44	1.67	1.85	0.28	16.49	59.83	21.22	14.08	8.25	2.14	2.28	0.34	19.63	67.94
3600	27.44	22.06	7.03	1.83	3.19	0.48	27.08	89.11	30.18	22.17	8.97	2.33	3.94	0.59	31.66	99.84
3605	32.55	26.07	7.34	1.91	3.19	0.48	32.11	103.65	35.80	26.19	9.33	2.43	3.94	0.59	37.52	115.80
3615	10.65	5.93	5.24	1.89	0.66	0.10	6.56	31.03	12.29	6.00	6.90	2.48	0.82	0.12	8.33	36.94
3620	11.03	6.14	5.90	2.12	0.66	0.10	6.80	32.75	12.73	6.21	7.76	2.79	0.82	0.12	8.63	39.06
3625	9.57	6.32	5.90	1.53	0.66	0.10	7.07	31.15	10.76	6.36	7.76	2.02	0.82	0.12	8.62	36.46
3630	10.08	6.65	5.90	1.53	0.66	0.10	7.46	32.38	11.34	6.70	7.76	2.02	0.82	0.12	9.09	37.85
3635	11.69	7.76	6.24	1.62	1.02	0.15	8.65	37.13	13.15	7.81	8.21	2.13	1.25	0.19	10.54	43.28
3640	14.69	9.71	6.24	1.62	1.05	0.16	10.87	44.34	16.53	9.78	8.21	2.13	1.27	0.19	13.25	51.36
3650	10.65	5.94	5.51	1.98	0.67	0.10	6.57	31.42	12.29	6.00	7.24	2.61	0.83	0.12	8.33	37.42
3655	9.49	6.27	5.51	1.43	0.67	0.10	7.02	30.49	10.68	6.31	7.24	1.88	0.83	0.12	8.55	35.61
3660	9.76	6.44	5.51	1.43	0.67	0.10	7.22	31.13	10.98	6.49	7.24	1.88	0.83	0.12	8.80	36.34
3665	12.50	8.32	5.90	1.53	1.23	0.19	9.26	38.93	14.06	8.38	7.76	2.02	1.54	0.23	11.28	45.27
3670	13.31	8.84	5.90	1.53	1.23	0.19	9.85	40.85	14.98	8.90	7.76	2.02	1.54	0.23	12.01	47.44
3675	13.80	9.16	5.90	1.53	1.23	0.19	10.22	42.03	15.53	9.22	7.76	2.02	1.54	0.23	12.45	48.75
3680	14.72	10.79	8.78	2.28	1.44	0.22	12.71	50.94	16.36	10.85	11.56	3.00	1.79	0.27	15.13	58.96
3690	11.27	6.26	6.11	2.20	0.59	0.09	6.94	33.46	13.00	6.33	8.04	2.89	0.72	0.11	8.81	39.90
3695	11.84	7.86	6.40	1.66	1.03	0.15	8.76	37.70	13.32	7.91	8.42	2.19	1.26	0.19	10.68	43.97
3700	12.84	8.50	6.24	1.62	1.03	0.15	9.50	39.88	14.45	8.56	8.21	2.13	1.26	0.19	11.58	46.38
3705	14.41	10.61	8.44	2.20	1.73	0.26	12.45	50.10	16.01	10.67	11.11	2.89	2.14	0.32	14.82	57.96
3720	19.62	13.04	4.36	1.13	1.85	0.28	14.52	54.80	22.07	13.13	5.53	1.44	2.28	0.34	17.70	62.49
3725	18.00	13.21	4.36	1.13	1.85	0.28	15.54	54.37	20.00	13.28	5.53	1.44	2.28	0.34	18.50	61.37
3730	22.24	16.25	6.88	1.79	1.85	0.28	19.19	68.48	24.72	16.34	8.86	2.30	2.28	0.34	22.85	77.69
3735	23.84	17.46	7.56	1.97	2.25	0.34	20.58	74.00	26.49	17.56	9.65	2.51	2.78	0.42	24.50	83.91
3740	31.28	24.91	9.00	2.34	2.25	0.34	30.83	100.95	34.41	25.03	11.55	3.00	2.78	0.42	36.03	113.22
3745	43.72	35.08	9.85	2.56	4.66	0.70	43.14	139.71	48.09	35.24	12.54	3.26	5.75	0.86	50.42	156.16
3755	12.59	8.36	3.31	0.86	1.16	0.17	9.32	35.77	14.16	8.42	4.19	1.09	1.43	0.21	11.36	40.86
3760	16.63	11.10	4.23	1.10	1.85	0.28	12.32	47.51	18.71	11.18	5.36	1.39	2.28	0.34	15.02	54.28
3765	18.45	13.53	6.12	1.59	1.85	0.28	15.93	57.75	20.50	13.61	7.78	2.02	2.28	0.34	18.97	65.50
3770	21.62	15.83	6.12	1.59	2.02	0.30	18.66	66.14	24.02	15.92	7.78	2.02	2.49	0.37	22.22	74.82
3775	24.19	19.35	6.28	1.63	2.25	0.34	23.86	77.90	26.61	19.44	7.99	2.08	2.78	0.42	27.88	87.20
3780	37.39	29.89	10.71	2.79	3.37	0.51	36.87	121.53	41.13	30.03	13.73	3.57	4.17	0.62	43.09	136.34
3790	20.12	14.80	7.03	1.83	2.25	0.34	17.38	63.75	22.36	14.88	9.02	2.35	2.78	0.42	20.69	72.50
3795	21.95	16.11	7.20	1.87	2.25	0.34	18.95	68.67	24.39	16.20	9.23	2.40	2.78	0.42	22.56	77.98
3800	22.36	17.92	7.20	1.87	2.25	0.34	22.06	74.00	24.60	18.01	9.23	2.40	2.78	0.42	25.79	83.23
3805	27.44	21.97	7.54	1.96	2.57	0.39	27.07	88.94	30.19	22.07	9.66	2.51	3.14	0.47	31.63	99.67
3815	16.02	11.71	5.56	1.45	1.34	0.20	13.83	50.11	17.80	11.77	7.03	1.83	1.65	0.25	16.46	56.79
3820	21.53	15.81	6.17	1.60	2.25	0.34	18.59	66.29	23.92	15.90	7.82	2.03	2.78	0.42	22.13	75.00
3825	25.85	20.65	7.48	1.94	2.25	0.34	25.49	84.00	28.43	20.75	9.55	2.48	2.78	0.42	29.79	94.20
3830	55.13	43.82	12.08	3.14	3.47	0.52	54.32	172.48	60.65	44.02	15.52	4.03	4.28	0.64	63.48	192.62
3850	12.57	9.03	2.92	6.76	0.00	0.00	13.18	44.46								
3860	0.54	0.39	0.00	0.00	0.00	0.00	0.56	1.49								
3865	2.02	1.45	0.00	0.00	0.00	0.00	2.12	5.59								
3875	15.82	11.37	5.12	7.86	0.00	0.00	16.59	56.76								
3885	0.54	0.39	0.00	0.00	0.00	0.00	0.56	1.49								
3890	2.02	1.45	0.00	0.00	0.00	0.00	2.12	5.59								

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
3900	19.33	13.89	5.12	7.86	0.00	0.00	20.27	66.47								
3910	0.67	0.48	0.00	0.00	0.00	0.00	0.71	1.86								
3915	2.05	1.48	0.00	0.00	0.00	0.00	2.15	5.68								
3925	22.35	16.06	8.04	9.32	0.00	0.00	23.44	79.21								
3935	0.71	0.51	0.00	0.00	0.00	0.00	0.75	1.97								
3940	3.97	2.85	0.00	0.00	0.00	0.00	4.16	10.98								
3950	23.54	16.92	8.04	9.32	0.00	0.00	24.69	82.51								
3960	0.67	0.48	0.00	0.00	0.00	0.00	0.71	1.86								
3965	4.19	3.01	0.00	0.00	0.00	0.00	4.39	11.59								
3980	5.23	2.15	0.00	0.79	0.00	0.00	5.93	14.10								
3985	5.53	2.27	0.00	0.79	0.00	0.00	6.27	14.86								
3990	5.75	2.36	0.00	0.79	0.00	0.00	6.52	15.42								
3995	6.52	2.68	0.00	0.84	0.00	0.00	7.39	17.43								
4000	6.82	2.80	0.00	0.84	0.00	0.00	7.73	18.19								
4005	7.04	2.89	0.00	0.84	0.00	0.00	7.98	18.75								
4010	17.23	7.07	7.23	3.50	0.00	0.00	19.53	54.56								
4015	12.79	5.25	4.50	3.50	0.00	0.00	14.50	40.54								
4025	6.21	2.55	0.00	0.79	0.00	0.00	7.04	16.59								
4030	6.77	2.78	0.00	0.84	0.00	0.00	7.67	18.06								
4035	9.34	3.83	3.24	0.78	0.00	0.00	10.58	27.77								
4045	3.56	1.46	0.00	0.49	0.00	0.00	4.03	9.54								
4050	5.43	2.23	0.00	0.80	0.00	0.00	6.15	14.61								
4055	6.38	2.62	0.00	0.80	0.00	0.00	7.24	17.04								
4060	7.89	3.24	0.00	0.90	0.00	0.00	8.94	20.97								
4065	16.99	6.98	5.35	1.28	0.00	0.00	19.26	49.86								
4080	0.16	0.07	0.06	0.23	0.00	0.00	0.18	0.70								
4085	0.20	0.08	0.12	0.30	0.00	0.00	0.22	0.92								
4090	0.32	0.13	0.18	0.38	0.00	0.00	0.36	1.37								
4095	0.72	0.30	0.66	1.29	0.00	0.00	0.82	3.79								
4105	0.26	0.11	0.18	0.28	0.00	0.00	0.30	1.13								
4110	0.28	0.12	0.00	0.40	0.00	0.00	0.32	1.12								
4125	2.78	1.14	1.43	0.34	0.00	0.00	3.15	8.84								
4130	1.93	0.79	0.65	0.16	0.00	0.00	2.19	5.72								
4135	3.32	1.36	1.56	0.37	0.00	0.00	3.77	10.38								
4150	1.40	0.58	1.27	0.20	0.00	0.00	1.59	5.04								
4155	2.17	0.89	1.59	0.38	0.00	0.00	2.46	7.49								
4170	8.68	5.18	4.25	1.61	0.00	0.00	9.84	29.56								
4175	11.95	7.14	8.11	3.08	0.00	0.00	13.55	43.83								
4180	18.85	11.26	10.54	4.01	0.00	0.00	21.37	66.03								
4185	28.32	22.20	32.86	16.43	0.00	0.00	16.05	115.86								
4190	34.91	27.37	35.91	17.95	0.00	0.00	19.78	135.92								
4200	12.88	7.69	6.81	2.59	0.00	0.00	14.59	44.56								
4205	16.71	10.13	9.86	3.75	1.39	0.21	18.99	61.04								
4210	15.57	9.41	14.11	5.36	0.99	0.15	17.69	63.28								
4220	17.09	10.35	12.13	4.61	1.25	0.19	19.42	65.04								
4225	24.83	15.06	10.86	4.13	1.99	0.30	28.23	85.40								
4230	28.14	17.03	11.35	4.31	1.99	0.30	31.98	95.10								
4235	20.69	12.35	13.30	5.05	0.00	0.00	23.44	74.83								
4240	24.01	14.34	13.30	5.05	0.00	0.00	27.21	83.91								
4245	24.90	19.52	16.99	5.44	0.00	0.00	28.22	95.07								
4250	45.89	35.97	68.44	34.22	0.00	0.00	26.00	210.52								
4270	1.34	0.56	0.88	0.39	0.06	0.01	1.22	4.46								
4275	1.34	0.57	0.88	0.39	0.06	0.01	1.22	4.47								
4280	1.41	0.60	0.88	0.39	0.08	0.01	1.28	4.65								
4285	1.89	0.80	1.56	0.70	0.09	0.01	1.72	6.77								

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
4290	1.93	0.82	1.56	0.70	0.09	0.01	1.76	6.87								
4295	2.13	0.90	2.29	1.03	0.09	0.01	1.93	8.38								
4300	2.64	1.12	2.58	1.16	0.14	0.02	2.41	10.07								
4305	2.77	1.17	2.58	1.16	0.12	0.02	2.52	10.34								
4310	2.91	1.22	2.58	1.16	0.09	0.01	2.64	10.61								
4315	1.34	0.56	2.12	0.51	0.03	0.00	1.21	5.77								
4320	1.65	0.71	2.76	0.66	0.12	0.02	1.51	7.43								
4325	1.64	0.72	2.76	0.66	0.22	0.03	1.51	7.54								
4330	2.34	1.00	3.62	0.87	0.15	0.02	2.13	10.13								
4335	2.37	1.01	3.62	0.87	0.15	0.02	2.16	10.20								
4340	2.46	1.05	3.62	0.87	0.15	0.02	2.25	10.42								
4345	3.62	1.54	1.73	0.42	0.23	0.03	3.30	10.87								
4350	3.90	1.66	1.84	0.44	0.23	0.03	3.55	11.65								
4355	5.08	2.20	3.28	0.79	0.50	0.07	4.64	16.56								
4360	5.65	2.44	3.28	0.79	0.50	0.07	5.16	17.89								
4365	5.94	2.56	3.28	0.79	0.50	0.08	5.43	18.58								
4370	6.36	2.76	3.28	0.79	0.65	0.10	5.82	19.76								
4375	2.34	1.01	1.78	0.43	0.21	0.03	2.14	7.94								
4380	2.39	1.03	1.78	0.43	0.21	0.03	2.19	8.06								
4385	2.89	1.24	1.78	0.43	0.21	0.03	2.64	9.22								
4390	2.92	1.29	1.78	0.43	0.39	0.06	2.68	9.55								
4400	1.25	0.55	3.62	0.87	0.14	0.02	1.14	7.59								
4405	1.83	0.79	4.59	1.10	0.15	0.02	1.67	10.15								
4410	3.65	1.55	6.66	1.60	0.19	0.03	3.32	17.00								
4415	4.87	2.11	7.29	1.75	0.51	0.08	4.45	21.06								
4420	5.72	2.47	7.29	1.75	0.51	0.08	5.23	23.05								
4425	5.69	2.47	7.29	1.75	0.59	0.09	5.21	23.09								
4430	6.20	2.67	7.29	1.75	0.50	0.08	5.67	24.16								
4435	12.79	5.50	10.91	2.62	1.04	0.16	11.68	44.70								
4455	1.81	0.56	3.88	0.93	0.00	0.00	1.34	8.52	2.07	0.57	5.11	1.23	0.00	0.00	1.79	10.77
4460	2.37	0.73	4.90	1.18	0.00	0.00	1.76	10.94	2.71	0.75	6.45	1.55	0.00	0.00	2.35	13.81
4465	2.56	0.79	5.77	1.38	0.00	0.00	1.90	12.40	2.92	0.80	7.59	1.82	0.00	0.00	2.53	15.66
4470	2.74	0.85	7.60	1.82	0.00	0.00	2.04	15.05	3.14	0.86	10.00	2.40	0.00	0.00	2.72	19.12
4475	3.14	0.97	9.70	2.33	0.00	0.00	2.33	18.47	3.59	0.99	12.76	3.06	0.00	0.00	3.11	23.51
4480	3.73	1.15	9.70	2.33	0.00	0.00	2.77	19.68	4.26	1.17	12.76	3.06	0.00	0.00	3.69	24.94
4485	4.16	1.29	11.80	2.83	0.00	0.00	3.09	23.17	4.75	1.31	15.52	3.73	0.00	0.00	4.12	29.43
4490	5.03	1.55	13.11	3.15	0.00	0.00	3.74	26.58	5.75	1.58	17.25	4.14	0.00	0.00	4.98	33.70
4495	6.83	2.11	17.04	4.09	0.00	0.00	5.07	35.14	7.81	2.15	22.42	5.38	0.00	0.00	6.77	44.53
4500	9.11	2.81	22.16	5.32	0.00	0.00	6.76	46.16	10.41	2.86	29.15	7.00	0.00	0.00	9.02	58.44
4505	12.38	3.83	32.77	7.87	0.00	0.00	9.20	66.05	14.15	3.89	43.12	10.35	0.00	0.00	12.27	83.78
4510	16.26	5.03	38.02	9.12	0.00	0.00	12.08	80.51	18.58	5.11	50.02	12.01	0.00	0.00	16.10	101.82
4520	0.09	0.03	0.29	0.07	0.00	0.00	0.07	0.55	0.10	0.03	0.37	0.09	0.00	0.00	0.09	0.68
4525	0.14	0.04	0.46	0.11	0.00	0.00	0.10	0.85	0.16	0.04	0.60	0.14	0.00	0.00	0.14	1.08
4530	0.18	0.06	0.69	0.17	0.00	0.00	0.14	1.24	0.21	0.06	0.90	0.22	0.00	0.00	0.18	1.57
4545	0.16	0.05	0.34	0.08	0.00	0.00	0.12	0.75	0.18	0.05	0.45	0.11	0.00	0.00	0.16	0.95
4550	0.36	0.11	0.80	0.19	0.00	0.00	0.27	1.73	0.41	0.11	1.05	0.25	0.00	0.00	0.36	2.18
4555	0.40	0.12	1.15	0.28	0.00	0.00	0.29	2.24	0.45	0.12	1.50	0.36	0.00	0.00	0.39	2.82
4560	0.42	0.13	0.16	0.04	0.00	0.00	0.31	1.06	0.48	0.13	0.21	0.05	0.00	0.00	0.42	1.29
4565	0.56	0.17	0.31	0.08	0.00	0.00	0.41	1.53	0.64	0.18	0.41	0.10	0.00	0.00	0.55	1.88
4570	0.80	0.25	0.58	0.14	0.00	0.00	0.60	2.37	0.92	0.25	0.76	0.18	0.00	0.00	0.79	2.90
4575	0.82	0.25	0.71	0.17	0.00	0.00	0.61	2.56	0.94	0.26	0.93	0.22	0.00	0.00	0.81	3.16
4580	1.22	0.38	1.65	0.40	0.00	0.00	0.91	4.56	1.39	0.38	2.17	0.52	0.00	0.00	1.21	5.67
4585	1.61	0.50	2.28	0.55	0.00	0.00	1.20	6.14	1.84	0.51	3.00	0.72	0.00	0.00	1.60	7.67
4590	1.85	0.57	2.67	0.64	0.00	0.00	1.38	7.11	2.12	0.58	3.52	0.84	0.00	0.00	1.84	8.90
4595	2.21	0.68	4.25	1.02	0.00	0.00	1.64	9.80	2.52	0.69	5.59	1.34	0.00	0.00	2.18	12.32

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	2.31	0.71	4.25	1.02	0.00	0.00	1.72	10.01	2.64	0.73	5.59	1.34	0.00	0.00	2.29	12.59
4605	2.67	0.83	5.51	1.32	0.00	0.00	1.99	12.32	3.06	0.84	7.24	1.74	0.00	0.00	2.65	15.53
4610	3.17	0.98	7.24	1.74	0.00	0.00	2.35	15.48	3.62	1.00	9.52	2.29	0.00	0.00	3.14	19.57
4620	0.10	0.03	0.29	0.07	0.00	0.00	0.07	0.56	0.11	0.03	0.37	0.09	0.00	0.00	0.10	0.70
4625	0.11	0.03	0.40	0.10	0.00	0.00	0.08	0.72	0.12	0.03	0.52	0.13	0.00	0.00	0.11	0.91
4630	0.15	0.05	0.46	0.11	0.00	0.00	0.11	0.88	0.18	0.05	0.60	0.14	0.00	0.00	0.15	1.12
4635	0.19	0.06	0.57	0.14	0.00	0.00	0.14	1.10	0.22	0.06	0.75	0.18	0.00	0.00	0.19	1.40
4640	0.20	0.06	0.92	0.22	0.00	0.00	0.15	1.55	0.23	0.06	1.20	0.29	0.00	0.00	0.20	1.98
4645	0.19	0.06	0.92	0.22	0.00	0.00	0.14	1.53	0.22	0.06	1.20	0.29	0.00	0.00	0.19	1.96
4660	6.26	3.55	3.02	1.03	0.45	0.07	5.50	19.88	7.51	3.60	3.97	1.35	0.61	0.09	7.70	24.83
4665	7.15	4.04	3.26	1.11	0.45	0.07	6.28	22.36	8.58	4.10	4.28	1.46	0.61	0.09	8.79	27.91
4670	7.82	4.42	3.26	1.11	0.50	0.07	6.86	24.04	9.38	4.48	4.28	1.46	0.67	0.10	9.61	29.98
4675	7.84	4.45	3.62	1.23	0.58	0.09	6.89	24.70	9.41	4.51	4.76	1.62	0.78	0.12	9.65	30.85
4680	10.98	6.33	4.35	1.48	1.26	0.19	9.69	34.28	13.18	6.41	5.71	1.94	1.71	0.26	13.56	42.77
4685	15.93	9.21	6.04	2.05	1.97	0.30	14.07	49.57	19.11	9.33	7.93	2.70	2.67	0.40	19.70	61.84
4695	6.13	3.50	3.26	1.11	0.55	0.08	5.40	20.03	7.36	3.55	4.28	1.46	0.74	0.11	7.56	25.06
4700	7.33	4.18	3.67	1.25	0.63	0.09	6.45	23.60	8.79	4.24	4.82	1.64	0.85	0.13	9.03	29.50
4705	7.55	4.30	4.35	1.48	0.63	0.09	6.64	25.04	9.06	4.36	5.71	1.94	0.85	0.13	9.30	31.35
4710	8.32	4.73	5.07	1.72	0.63	0.09	7.31	27.87	9.98	4.79	6.67	2.27	0.85	0.13	10.24	34.93
4715	5.75	3.29	3.26	1.11	0.55	0.08	5.07	19.11	6.91	3.34	4.28	1.46	0.74	0.11	7.10	23.94
4720	6.35	3.64	3.67	1.25	0.63	0.09	5.60	21.23	7.62	3.69	4.82	1.64	0.85	0.13	7.84	26.59
4725	6.88	3.93	4.35	1.48	0.63	0.09	6.06	23.42	8.26	3.98	5.71	1.94	0.85	0.13	8.48	29.35
4730	7.83	4.46	5.07	1.72	0.63	0.09	6.89	26.69	9.40	4.52	6.67	2.27	0.85	0.13	9.64	33.48
4735	8.75	5.09	5.07	1.72	1.26	0.19	7.74	29.82	10.50	5.16	6.67	2.27	1.71	0.26	10.84	37.41
4745	3.46	1.96	1.64	0.56	0.25	0.04	3.04	10.95	4.15	1.99	2.16	0.73	0.34	0.05	4.25	13.67
4750	5.34	3.05	3.14	1.07	0.50	0.07	4.70	17.87	6.40	3.09	4.13	1.40	0.67	0.10	6.58	22.37
4755	5.73	3.28	3.50	1.19	0.58	0.09	5.05	19.42	6.87	3.33	4.60	1.56	0.78	0.12	7.06	24.32
4760	6.04	3.51	3.86	1.31	0.84	0.13	5.35	21.04	7.25	3.56	5.08	1.73	1.14	0.17	7.48	26.41
4770	6.13	3.48	3.02	1.03	0.45	0.07	5.39	19.57	7.36	3.53	3.97	1.35	0.61	0.09	7.55	24.46
4775	6.66	3.77	3.50	1.19	0.45	0.07	5.85	21.49	7.99	3.82	4.60	1.56	0.61	0.09	8.19	26.86
4780	7.03	3.98	3.50	1.19	0.50	0.07	6.17	22.44	8.43	4.04	4.60	1.56	0.67	0.10	8.64	28.04
4785	7.86	4.46	4.23	1.44	0.58	0.09	6.90	25.56	9.43	4.52	5.55	1.89	0.78	0.12	9.67	31.96
4790	8.16	4.63	4.76	1.62	0.58	0.09	7.17	27.01	9.79	4.69	6.25	2.13	0.78	0.12	10.03	33.79
4795	9.14	5.18	4.76	1.62	0.63	0.09	8.03	29.45	10.96	5.25	6.25	2.13	0.85	0.13	11.24	36.81
4805	5.02	2.87	2.05	0.70	0.45	0.07	4.42	15.58	6.03	2.91	2.70	0.92	0.61	0.09	6.19	19.45
4810	6.22	3.53	3.02	1.03	0.45	0.07	5.46	19.78	7.46	3.58	3.97	1.35	0.61	0.09	7.65	24.71
4815	7.34	4.17	3.02	1.03	0.55	0.08	6.45	22.64	8.81	4.22	3.97	1.35	0.74	0.11	9.03	28.23
4820	7.10	4.04	3.62	1.23	0.55	0.08	6.24	22.86	8.52	4.09	4.76	1.62	0.74	0.11	8.74	28.58
4825	8.28	4.69	3.62	1.23	0.55	0.08	7.27	25.72	9.93	4.75	4.76	1.62	0.74	0.11	10.18	32.09
4835	5.85	3.35	3.14	1.07	0.55	0.08	5.15	19.19	7.02	3.39	4.13	1.40	0.74	0.11	7.22	24.01
4840	6.98	3.98	3.50	1.19	0.63	0.09	6.14	22.51	8.37	4.04	4.60	1.56	0.85	0.13	8.60	28.15
4845	9.54	5.53	4.83	1.64	1.26	0.19	8.43	31.42	11.45	5.60	6.35	2.16	1.71	0.26	11.80	39.33
4850	15.28	8.85	6.76	2.30	1.97	0.30	13.50	48.96	18.34	8.97	8.89	3.02	2.67	0.40	18.91	61.20
4860	5.81	3.34	2.70	0.92	0.62	0.09	5.12	18.60	6.97	3.38	3.55	1.21	0.84	0.13	7.17	23.25
4865	6.72	3.85	3.67	1.25	0.68	0.10	5.92	22.19	8.06	3.91	4.82	1.64	0.92	0.14	8.29	27.78
4870	7.44	4.25	4.11	1.40	0.68	0.10	6.55	24.53	8.92	4.31	5.40	1.83	0.92	0.14	9.17	30.69
4885	0.48	0.20	0.00	0.10	0.00	0.00	0.50	1.28								
4890	0.77	0.32	0.00	0.19	0.00	0.00	0.80	2.08								
4895	0.93	0.39	0.00	0.30	0.00	0.00	0.96	2.58								
4900	2.41	1.00	0.00	0.41	0.00	0.00	2.50	6.32								
4910	5.82	2.41	2.62	0.63	0.00	0.00	6.02	17.50								
4915	7.86	3.25	2.62	0.63	0.00	0.00	8.14	22.50								
4920	12.08	5.00	3.41	0.82	0.00	0.00	12.51	33.82								
4925	13.44	5.56	3.93	0.94	0.00	0.00	13.91	37.78								
4940	11.91	4.48	3.50	1.33	0.00	0.00	11.72	32.94	15.88	4.62	4.60	1.75	0.00	0.00	17.85	44.70

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
4945	12.19	5.07	4.01	0.80	0.00	0.00	12.79	34.86	15.24	5.18	5.27	1.05	0.00	0.00	17.98	44.72
4950	14.58	6.06	5.05	1.01	0.00	0.00	15.29	41.99	18.23	6.20	6.63	1.33	0.00	0.00	21.50	53.89
4955	22.43	9.32	6.33	1.27	0.00	0.00	23.52	62.87	28.04	9.53	8.32	1.66	0.00	0.00	33.08	80.63
4960	31.39	13.95	7.87	1.73	0.00	0.00	34.72	89.66	37.67	14.18	10.35	2.28	0.00	0.00	46.29	110.77
4970	19.16	7.96	5.68	1.14	0.00	0.00	20.09	54.03	23.95	8.14	7.46	1.49	0.00	0.00	28.26	69.30
4975	23.13	9.61	7.44	1.49	0.00	0.00	24.26	65.93	28.91	9.83	9.78	1.96	0.00	0.00	34.11	84.59
4980	42.92	19.07	14.88	3.27	0.00	0.00	47.46	127.60	51.50	19.39	19.55	4.30	0.00	0.00	63.28	158.02
4995	7.06	2.65	2.75	1.05	0.00	0.00	6.94	20.45	9.41	2.74	3.62	1.37	0.00	0.00	10.58	27.72
5000	9.20	3.46	3.69	1.40	0.00	0.00	9.05	26.80	12.27	3.57	4.86	1.85	0.00	0.00	13.79	36.34
5005	9.94	4.13	4.78	0.96	0.00	0.00	10.42	30.23	12.42	4.22	6.28	1.26	0.00	0.00	14.66	38.84
5015	6.15	2.31	1.71	0.65	0.00	0.00	6.05	16.87	8.20	2.39	2.25	0.86	0.00	0.00	9.21	22.91
5020	7.73	2.91	2.27	0.86	0.00	0.00	7.60	21.37	10.31	3.00	2.98	1.13	0.00	0.00	11.59	29.01
5025	8.86	3.33	2.46	0.94	0.00	0.00	8.71	24.30	11.81	3.44	3.24	1.23	0.00	0.00	13.27	32.99
5030	11.05	4.15	2.54	0.96	0.00	0.00	10.87	29.57	14.73	4.29	3.33	1.27	0.00	0.00	16.56	40.18
5035	12.80	5.32	3.26	0.65	0.00	0.00	13.42	35.45	16.00	5.44	4.28	0.86	0.00	0.00	18.87	45.45
5040	23.99	9.97	5.19	1.04	0.00	0.00	25.16	65.35	29.99	10.19	6.82	1.36	0.00	0.00	35.39	83.75
5045	32.07	14.25	7.85	1.73	0.00	0.00	35.47	91.37	38.48	14.49	10.32	2.27	0.00	0.00	47.29	112.85
5055	9.93	3.73	2.08	0.79	0.00	0.00	9.76	26.29	13.24	3.85	2.73	1.04	0.00	0.00	14.88	35.74
5060	11.26	4.23	2.54	0.96	0.00	0.00	11.07	30.06	15.01	4.37	3.33	1.27	0.00	0.00	16.87	40.85
5065	13.05	5.42	3.67	0.73	0.00	0.00	13.69	36.56	16.31	5.55	4.82	0.96	0.00	0.00	19.25	46.89
5070	20.24	8.41	5.87	1.17	0.00	0.00	21.23	56.92	25.30	8.60	7.71	1.54	0.00	0.00	29.85	73.00
5080	15.67	5.89	3.50	1.33	0.00	0.00	15.41	41.80	20.90	6.08	4.60	1.75	0.00	0.00	23.49	56.82
5085	18.71	7.03	3.50	1.33	0.00	0.00	18.40	48.97	24.95	7.26	4.60	1.75	0.00	0.00	28.04	66.60
5090	21.58	8.97	6.57	1.31	0.00	0.00	22.63	61.06	26.98	9.17	8.63	1.73	0.00	0.00	31.83	78.34
5100	9.15	3.80	2.78	0.56	0.00	0.00	9.59	25.88	11.43	3.89	3.65	0.73	0.00	0.00	13.49	33.19
5105	14.29	5.94	3.79	0.76	0.00	0.00	14.99	39.77	17.87	6.07	4.98	1.00	0.00	0.00	21.08	51.00
5110	21.86	9.09	6.52	1.30	0.00	0.00	22.93	61.70	27.33	9.29	8.57	1.71	0.00	0.00	32.24	79.14
5115	28.15	12.51	11.50	2.53	0.00	0.00	31.13	85.82	33.77	12.71	15.11	3.32	0.00	0.00	41.50	106.41
5120	32.53	16.66	13.04	3.13	0.00	0.00	43.97	109.33	37.95	16.86	17.14	4.11	0.00	0.00	55.97	132.03
5125	57.46	29.43	19.32	4.64	0.00	0.00	77.67	188.52	67.04	29.79	25.39	6.09	0.00	0.00	98.85	227.16
5135	9.80	3.68	3.26	1.24	0.00	0.00	9.63	27.61	13.06	3.80	4.28	1.63	0.00	0.00	14.68	37.45
5140	11.84	4.45	3.86	1.47	0.00	0.00	11.64	33.26	15.78	4.59	5.08	1.93	0.00	0.00	17.74	45.12
5145	11.99	4.98	4.35	0.87	0.00	0.00	12.58	34.77	14.99	5.10	5.71	1.14	0.00	0.00	17.69	44.63
5150	18.43	7.66	6.16	1.23	0.00	0.00	19.33	52.81	23.04	7.83	8.09	1.62	0.00	0.00	27.19	67.77
5155	21.56	8.96	7.00	1.40	0.00	0.00	22.61	61.53	26.94	9.16	9.20	1.84	0.00	0.00	31.79	78.93
5160	26.94	11.97	9.66	2.13	0.00	0.00	29.79	80.49	32.33	12.17	12.70	2.79	0.00	0.00	39.73	99.72
5170	7.01	2.63	1.81	0.69	0.00	0.00	6.89	19.03	9.34	2.72	2.38	0.90	0.00	0.00	10.50	25.84
5175	10.01	3.76	3.02	1.15	0.00	0.00	9.84	27.78	13.34	3.88	3.97	1.51	0.00	0.00	15.00	37.70
5180	12.94	4.86	3.74	1.42	0.00	0.00	12.72	35.68	17.25	5.02	4.92	1.87	0.00	0.00	19.39	48.45
5185	13.52	5.62	4.35	0.87	0.00	0.00	14.18	38.54	16.90	5.75	5.71	1.14	0.00	0.00	19.95	49.45
5190	20.58	8.55	6.28	1.26	0.00	0.00	21.58	58.25	25.72	8.74	8.25	1.65	0.00	0.00	30.35	74.71
5200	3.91	1.47	1.11	0.42	0.00	0.00	3.85	10.76	5.22	1.52	1.46	0.55	0.00	0.00	5.87	14.62
5205	4.96	1.86	1.55	0.59	0.00	0.00	4.88	13.84	6.62	1.93	2.03	0.77	0.00	0.00	7.44	18.79
5210	6.72	2.53	1.79	0.68	0.00	0.00	6.61	18.33	8.96	2.61	2.35	0.89	0.00	0.00	10.07	24.88
5215	8.43	3.17	2.25	0.85	0.00	0.00	8.29	22.99	11.25	3.27	2.95	1.12	0.00	0.00	12.64	31.23
5220	9.60	3.99	2.95	0.59	0.00	0.00	10.07	27.20	12.00	4.08	3.87	0.77	0.00	0.00	14.16	34.88
5225	12.57	5.22	3.91	0.78	0.00	0.00	13.18	35.66	15.71	5.34	5.14	1.03	0.00	0.00	18.53	45.75
5230	21.92	9.11	6.21	1.24	0.00	0.00	22.99	61.47	27.39	9.31	8.16	1.63	0.00	0.00	32.32	78.81
5235	32.33	14.37	8.02	1.76	0.00	0.00	35.76	92.24	38.80	14.61	10.54	2.32	0.00	0.00	47.67	113.94
5240	40.18	17.85	10.14	2.23	0.00	0.00	44.43	114.83	48.21	18.15	13.33	2.93	0.00	0.00	59.24	141.86
5245	44.74	19.88	11.21	2.47	0.00	0.00	49.48	127.78	53.69	20.21	14.73	3.24	0.00	0.00	65.98	157.85
5250	55.83	28.60	16.04	3.85	0.00	0.00	75.47	179.79	65.14	28.94	21.08	5.06	0.00	0.00	96.05	216.27
5255	65.20	33.40	20.09	4.82	0.00	0.00	88.13	211.64	76.07	33.80	26.41	6.34	0.00	0.00	112.17	254.79
5265	8.07	3.03	1.98	0.75	0.00	0.00	7.93	21.76	10.75	3.13	2.60	0.99	0.00	0.00	12.09	29.56
5270	9.57	3.60	2.39	0.91	0.00	0.00	9.41	25.88	12.76	3.71	3.14	1.19	0.00	0.00	14.34	35.14

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
5275	10.85	4.51	2.85	0.57	0.00	0.00	11.38	30.16	13.56	4.61	3.75	0.75	0.00	0.00	16.00	38.67
5280	13.81	5.74	3.57	0.71	0.00	0.00	14.48	38.31	17.26	5.87	4.70	0.94	0.00	0.00	20.36	49.13
5285	16.61	6.90	4.76	0.95	0.00	0.00	17.42	46.64	20.76	7.06	6.25	1.25	0.00	0.00	24.49	59.81
5290	35.56	15.80	9.76	2.15	0.00	0.00	39.33	102.60	42.67	16.06	12.82	2.82	0.00	0.00	52.44	126.81
5300	12.23	5.09	3.67	0.73	0.00	0.00	12.83	34.55	15.29	5.20	4.82	0.96	0.00	0.00	18.04	44.31
5305	19.76	8.21	5.51	1.10	0.00	0.00	20.72	55.30	24.70	8.40	7.24	1.45	0.00	0.00	29.14	70.93
5310	24.49	10.18	7.34	1.47	0.00	0.00	25.68	69.16	30.61	10.41	9.65	1.93	0.00	0.00	36.12	88.72
5325	4.17	2.38	1.86	0.67	0.53	0.08	2.58	12.27	4.82	2.40	2.45	0.88	0.64	0.10	3.28	14.57
5330	5.26	2.97	2.46	0.89	0.53	0.08	3.25	15.44	6.07	3.00	3.24	1.17	0.64	0.10	4.12	18.34
5335	5.91	3.33	2.67	0.96	0.53	0.08	3.65	17.13	6.82	3.36	3.52	1.27	0.64	0.10	4.63	20.34
5340	6.35	4.21	3.25	0.85	0.53	0.08	4.70	19.97	7.14	4.24	4.28	1.11	0.64	0.10	5.72	23.23
5350	7.22	4.01	3.28	1.18	0.37	0.06	4.45	20.57	8.33	4.05	4.31	1.55	0.45	0.07	5.64	24.40
5355	7.76	4.35	4.43	1.60	0.61	0.09	4.79	23.63	8.96	4.39	5.66	2.04	0.75	0.11	6.08	27.99
5360	10.55	5.86	5.63	2.06	0.56	0.08	6.50	31.24	12.17	5.93	7.38	2.70	0.69	0.10	8.25	37.22
5365	12.78	7.11	4.99	1.80	0.76	0.11	7.88	35.43	14.75	7.19	6.38	2.30	0.95	0.14	10.00	41.71
5370	13.88	9.18	8.89	2.31	1.02	0.15	10.27	45.70	15.62	9.24	11.44	2.97	1.26	0.19	12.51	53.23
5385	1.31	0.55	0.00	0.40	0.00	0.00	1.46	3.72	1.63	0.57	0.00	0.40	0.00	0.00	2.05	4.65
5390	1.57	0.67	0.00	0.30	0.00	0.00	1.76	4.30	1.97	0.68	0.00	0.30	0.00	0.00	2.47	5.42
5395	1.77	0.75	0.00	0.30	0.00	0.00	1.97	4.79	2.21	0.77	0.00	0.30	0.00	0.00	2.78	6.06
5400	0.85	0.36	0.00	0.25	0.00	0.00	0.95	2.41	1.06	0.37	0.00	0.25	0.00	0.00	1.33	3.01
5405	1.45	0.62	0.00	0.30	0.00	0.00	1.62	3.99	1.82	0.63	0.00	0.30	0.00	0.00	2.28	5.03
5410	2.30	0.97	0.00	0.40	0.00	0.00	2.56	6.23	2.87	0.99	0.00	0.40	0.00	0.00	3.60	7.86
5415	1.82	0.77	0.00	0.50	0.00	0.00	2.03	5.12	2.27	0.79	0.00	0.50	0.00	0.00	2.85	6.41
5420	1.42	0.60	0.00	0.30	0.00	0.00	1.59	3.91	1.78	0.62	0.00	0.30	0.00	0.00	2.24	4.94
5435	1.78	0.31	1.62	0.39	0.04	0.01	1.30	5.45								
5440	2.07	0.36	1.76	0.42	0.04	0.01	1.52	6.18								
5445	2.32	0.41	1.04	0.25	0.04	0.01	1.70	5.77								
5450	2.10	0.37	0.71	0.17	0.04	0.01	1.54	4.94								
5455	2.27	0.40	0.91	0.22	0.04	0.01	1.66	5.51								
5460	2.06	0.36	3.10	0.74	0.04	0.01	1.50	7.81								
5470	0.14	0.02	0.28	0.07	0.00	0.00	0.10	0.61								
5475	0.22	0.04	0.49	0.12	0.04	0.01	0.16	1.08								
5480	0.30	0.06	0.78	0.19	0.04	0.01	0.23	1.61								
5485	0.48	0.09	0.78	0.19	0.04	0.01	0.36	1.95								
5490	1.36	0.24	1.20	0.29	0.03	0.01	0.99	4.12								
5495	2.24	0.39	0.55	0.13	0.04	0.01	1.64	5.00								
5500	1.91	0.34	1.41	0.34	0.04	0.01	1.40	5.45								
5505	2.62	0.46	1.90	0.46	0.04	0.01	1.91	7.40								
5510	2.78	0.49	0.71	0.17	0.04	0.01	2.03	6.23								
5525	1.27	0.49	0.52	0.12	0.07	0.01	2.66	5.14								
5535	0.91	0.36	0.45	0.11	0.07	0.01	1.91	3.82								
5540	0.78	0.31	0.34	0.08	0.07	0.01	1.65	3.24								
5545	0.99	0.39	1.05	0.25	0.07	0.01	2.08	4.84								
5550	1.14	0.44	0.52	0.12	0.07	0.01	2.40	4.70								
5560	0.99	0.39	0.21	0.05	0.07	0.01	2.09	3.81								
5565	1.33	0.51	0.41	0.10	0.07	0.01	2.79	5.22								
5570	1.57	0.61	0.52	0.12	0.07	0.01	3.29	6.19								
5585	2.50	1.10	0.73	0.21	0.84	0.13	2.95	8.46	3.12	1.13	0.97	0.27	1.31	0.20	4.10	11.10
5595	0.58	0.24	0.00	0.00	0.00	0.00	0.67	1.49	0.72	0.24	0.00	0.00	0.00	0.00	0.93	1.89
5600	0.77	0.32	0.08	0.02	0.00	0.00	0.90	2.09	0.97	0.33	0.10	0.03	0.00	0.00	1.25	2.68
5605	0.11	0.05	0.00	0.00	0.00	0.00	0.13	0.29	0.14	0.05	0.00	0.00	0.00	0.00	0.18	0.37
5610	0.56	0.23	0.00	0.00	0.00	0.00	0.65	1.44	0.70	0.24	0.00	0.00	0.00	0.00	0.91	1.85
5615	0.33	0.14	0.00	0.00	0.00	0.00	0.38	0.85	0.41	0.14	0.00	0.00	0.00	0.00	0.53	1.08
5620	0.49	0.20	0.00	0.00	0.00	0.00	0.57	1.26	0.61	0.21	0.00	0.00	0.00	0.00	0.80	1.62
5625	0.71	0.29	0.00	0.00	0.00	0.00	0.83	1.83	0.89	0.30	0.00	0.00	0.00	0.00	1.15	2.34

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	0.10	0.04	0.00	0.00	0.00	0.00	0.11	0.25	0.12	0.04	0.00	0.00	0.00	0.00	0.16	0.32
5635	2.76	1.22	1.10	0.31	1.02	0.15	3.26	9.82	3.45	1.25	1.45	0.41	1.61	0.24	4.53	12.94
5645	0.67	0.28	0.00	0.00	0.00	0.00	0.78	1.73	0.84	0.29	0.00	0.00	0.00	0.00	1.09	2.22
5650	0.83	0.34	0.08	0.02	0.00	0.00	0.96	2.23	1.03	0.35	0.10	0.03	0.00	0.00	1.34	2.85
5655	0.11	0.05	0.00	0.00	0.00	0.00	0.13	0.29	0.14	0.05	0.00	0.00	0.00	0.00	0.18	0.37
5660	0.56	0.23	0.00	0.00	0.00	0.00	0.65	1.44	0.70	0.24	0.00	0.00	0.00	0.00	0.91	1.85
5665	0.41	0.17	0.00	0.00	0.00	0.00	0.48	1.06	0.52	0.18	0.00	0.00	0.00	0.00	0.67	1.37
5670	0.58	0.24	0.00	0.00	0.00	0.00	0.68	1.50	0.73	0.25	0.00	0.00	0.00	0.00	0.94	1.92
5675	0.80	0.33	0.00	0.00	0.00	0.00	0.93	2.06	1.00	0.34	0.00	0.00	0.00	0.00	1.29	2.63
5680	0.10	0.04	0.00	0.00	0.00	0.00	0.11	0.25	0.12	0.04	0.00	0.00	0.00	0.00	0.16	0.32
5685	3.09	1.39	1.47	0.41	1.36	0.20	3.66	11.58	3.86	1.42	1.93	0.54	2.13	0.32	5.09	15.29
5695	0.71	0.29	0.00	0.00	0.00	0.00	0.83	1.83	0.89	0.30	0.00	0.00	0.00	0.00	1.15	2.34
5700	0.89	0.37	0.13	0.04	0.00	0.00	1.04	2.47	1.12	0.38	0.17	0.05	0.00	0.00	1.44	3.16
5705	0.11	0.05	0.00	0.00	0.00	0.00	0.13	0.29	0.14	0.05	0.00	0.00	0.00	0.00	0.18	0.37
5710	0.56	0.23	0.00	0.00	0.00	0.00	0.65	1.44	0.70	0.24	0.00	0.00	0.00	0.00	0.91	1.85
5715	0.46	0.19	0.00	0.00	0.00	0.00	0.54	1.19	0.58	0.20	0.00	0.00	0.00	0.00	0.75	1.53
5720	0.65	0.27	0.00	0.00	0.00	0.00	0.76	1.68	0.81	0.28	0.00	0.00	0.00	0.00	1.05	2.14
5725	0.97	0.40	0.00	0.00	0.00	0.00	1.13	2.50	1.21	0.41	0.00	0.00	0.00	0.00	1.57	3.19
5730	0.10	0.04	0.00	0.00	0.00	0.00	0.11	0.25	0.12	0.04	0.00	0.00	0.00	0.00	0.16	0.32
5735	4.00	1.80	2.20	0.62	1.88	0.28	4.74	15.52	5.00	1.84	2.90	0.81	2.96	0.44	6.59	20.54
5745	0.88	0.36	0.00	0.00	0.00	0.00	1.02	2.26	1.09	0.37	0.00	0.00	0.00	0.00	1.42	2.88
5750	1.15	0.47	0.13	0.04	0.00	0.00	1.34	3.13	1.43	0.49	0.17	0.05	0.00	0.00	1.85	3.99
5755	0.11	0.05	0.00	0.00	0.00	0.00	0.13	0.29	0.14	0.05	0.00	0.00	0.00	0.00	0.18	0.37
5760	0.56	0.23	0.00	0.00	0.00	0.00	0.65	1.44	0.70	0.24	0.00	0.00	0.00	0.00	0.91	1.85
5765	0.60	0.25	0.00	0.00	0.00	0.00	0.70	1.55	0.75	0.25	0.00	0.00	0.00	0.00	0.97	1.97
5770	0.77	0.32	0.00	0.00	0.00	0.00	0.89	1.98	0.96	0.32	0.00	0.00	0.00	0.00	1.24	2.52
5775	0.10	0.04	0.00	0.00	0.00	0.00	0.11	0.25	0.12	0.04	0.00	0.00	0.00	0.00	0.16	0.32
5780	7.16	3.09	3.36	0.94	1.45	0.22	8.42	24.64	8.95	3.16	4.42	1.24	2.23	0.33	11.69	32.02
5790	1.08	0.45	0.00	0.00	0.00	0.00	1.25	2.78	1.34	0.46	0.00	0.00	0.00	0.00	1.74	3.54
5795	0.11	0.05	0.00	0.00	0.00	0.00	0.13	0.29	0.14	0.05	0.00	0.00	0.00	0.00	0.18	0.37
5800	0.57	0.23	0.00	0.00	0.00	0.00	0.66	1.46	0.71	0.24	0.00	0.00	0.00	0.00	0.91	1.86
5805	0.87	0.36	0.00	0.00	0.00	0.00	1.02	2.25	1.09	0.37	0.00	0.00	0.00	0.00	1.41	2.87
5810	1.28	0.53	0.00	0.00	0.00	0.00	1.49	3.30	1.60	0.54	0.00	0.00	0.00	0.00	2.07	4.21
5815	1.81	0.75	0.00	0.00	0.00	0.00	2.10	4.66	2.26	0.76	0.00	0.00	0.00	0.00	2.92	5.94
5820	0.10	0.04	0.00	0.00	0.00	0.00	0.11	0.25	0.12	0.04	0.00	0.00	0.00	0.00	0.16	0.32
5825	12.68	5.66	3.28	0.92	5.39	0.81	15.01	43.75	15.86	5.78	4.31	1.21	8.54	1.28	20.85	57.83
5830	14.21	6.29	4.85	1.36	5.50	0.82	16.79	49.82	17.76	6.43	6.38	1.79	8.72	1.31	23.32	65.71
5835	14.39	6.50	4.85	1.36	7.60	1.14	17.08	52.92	17.99	6.65	6.38	1.79	12.14	1.82	23.72	70.49
5840	16.56	7.49	7.60	2.13	8.99	1.35	19.66	63.78	20.70	7.66	10.00	2.80	14.38	2.16	27.31	85.01
5845	15.94	7.00	4.85	1.36	5.39	0.81	18.81	54.16	19.92	7.16	6.38	1.79	8.54	1.28	26.12	7[illegible]
5850	16.88	7.40	4.85	1.36	5.50	0.82	19.91	56.72	21.10	7.57	6.38	1.79	8.72	1.31	27.65	74.52
5855	18.98	8.40	7.60	2.13	7.60	1.14	22.43	68.28	23.73	8.59	10.00	2.80	12.14	1.82	31.16	90.24
5860	20.93	9.30	7.60	2.13	8.99	1.35	24.75	75.05	26.17	9.51	10.00	2.80	14.38	2.16	34.38	99.40
5870	1.30	0.54	0.00	0.00	0.00	0.00	1.52	3.36	1.63	0.55	0.00	0.00	0.00	0.00	2.11	4.29
5875	1.71	0.71	0.00	0.00	0.00	0.00	1.99	4.41	2.14	0.72	0.00	0.00	0.00	0.00	2.77	5.63
5880	1.96	0.81	0.00	0.00	0.00	0.00	2.28	5.05	2.45	0.83	0.00	0.00	0.00	0.00	3.17	6.45
5885	1.97	0.81	0.00	0.00	0.00	0.00	2.29	5.07	2.46	0.83	0.00	0.00	0.00	0.00	3.18	6.47
5900	4.75	2.02	1.78	0.68	0.00	0.00	8.29	17.52	5.94	2.06	2.35	0.89	0.00	0.00	10.78	22.02
5905	5.23	2.22	2.21	0.84	0.00	0.00	9.11	19.61	6.53	2.26	2.91	1.10	0.00	0.00	11.85	24.65
5910	7.03	2.98	3.11	1.18	0.00	0.00	12.26	26.56	8.79	3.05	4.10	1.56	0.00	0.00	15.94	33.44
5915	8.21	3.48	3.96	1.51	0.00	0.00	14.33	31.49	10.27	3.56	5.22	1.98	0.00	0.00	18.62	39.65
5925	3.35	1.42	1.84	0.70	0.00	0.00	5.84	13.15	4.18	1.45	2.42	0.92	0.00	0.00	7.59	16.56
5930	3.70	1.57	1.84	0.70	0.00	0.00	6.46	14.27	4.63	1.60	2.42	0.92	0.00	0.00	8.39	17.96
5935	6.24	2.65	2.26	0.86	0.00	0.00	10.89	22.90	7.81	2.71	2.98	1.13	0.00	0.00	14.16	28.79
5940	6.41	2.72	2.26	0.86	0.00	0.00	11.18	23.43	8.02	2.78	2.98	1.13	0.00	0.00	14.54	29.45

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
5945	7.89	3.35	3.11	1.18	0.00	0.00	13.76	29.29	9.86	3.42	4.10	1.56	0.00	0.00	17.88	36.82
5950	8.13	3.45	3.11	1.18	0.00	0.00	14.19	30.06	10.17	3.53	4.10	1.56	0.00	0.00	18.44	37.80
5955	10.39	4.41	4.24	1.61	0.00	0.00	18.12	38.77	12.99	4.50	5.59	2.12	0.00	0.00	23.56	48.76
5960	10.65	4.52	4.24	1.61	0.00	0.00	18.58	39.60	13.32	4.62	5.59	2.12	0.00	0.00	24.16	49.81
5965	15.44	6.55	5.94	2.26	0.00	0.00	26.94	57.13	19.31	6.69	7.82	2.97	0.00	0.00	35.02	71.81
5970	15.85	6.72	5.94	2.26	0.00	0.00	27.64	58.41	19.81	6.87	7.82	2.97	0.00	0.00	35.93	73.40
5980	3.61	1.53	1.78	0.68	0.00	0.00	6.30	13.90	4.52	1.57	2.35	0.89	0.00	0.00	8.20	17.53
5985	4.38	1.86	2.21	0.84	0.00	0.00	7.64	16.93	5.48	1.90	2.91	1.10	0.00	0.00	9.93	21.32
5990	5.09	2.16	2.46	0.94	0.00	0.00	8.88	19.53	6.37	2.21	3.24	1.23	0.00	0.00	11.55	24.60
5995	6.81	2.89	3.45	1.31	0.00	0.00	11.88	26.34	8.51	2.95	4.55	1.73	0.00	0.00	15.44	33.18
6000	9.12	3.87	4.24	1.61	0.00	0.00	15.91	34.75	11.40	3.95	5.59	2.12	0.00	0.00	20.68	43.74
6005	13.18	5.59	6.31	2.40	0.00	0.00	22.99	50.47	16.47	5.71	8.31	3.16	0.00	0.00	29.88	63.53
6015	4.00	1.70	1.84	0.70	0.00	0.00	6.98	15.22	5.00	1.73	2.42	0.92	0.00	0.00	9.07	19.14
6020	5.10	2.16	2.21	0.84	0.00	0.00	8.90	19.21	6.38	2.21	2.91	1.10	0.00	0.00	11.57	24.17
6025	7.95	3.37	3.68	1.40	0.00	0.00	13.86	30.26	9.94	3.45	4.84	1.84	0.00	0.00	18.02	38.09
6030	11.70	4.96	5.38	2.04	0.00	0.00	20.40	44.48	14.62	5.07	7.08	2.69	0.00	0.00	26.52	55.98
6040	2.94	1.25	1.19	0.45	0.00	0.00	5.13	10.96	3.68	1.27	1.56	0.59	0.00	0.00	6.67	13.77
6045	3.84	1.63	1.98	0.75	0.00	0.00	6.70	14.90	4.80	1.67	2.61	0.99	0.00	0.00	8.72	18.79
6050	4.77	2.02	2.21	0.84	0.00	0.00	8.32	18.16	5.97	2.07	2.91	1.10	0.00	0.00	10.82	22.87
6055	7.01	2.97	3.39	1.29	0.00	0.00	12.22	26.88	8.76	3.04	4.47	1.70	0.00	0.00	15.89	33.86
6060	8.18	3.47	3.96	1.51	0.00	0.00	14.27	31.39	10.23	3.55	5.22	1.98	0.00	0.00	18.55	39.53
6065	12.21	5.18	5.66	2.15	0.00	0.00	21.30	46.50	15.26	5.29	7.45	2.83	0.00	0.00	27.69	58.52
6075	3.59	1.52	1.87	0.71	0.00	0.00	6.25	13.94	4.48	1.55	2.46	0.93	0.00	0.00	8.13	17.55
6080	5.11	2.17	2.55	0.97	0.00	0.00	8.92	19.72	6.39	2.22	3.35	1.27	0.00	0.00	11.60	24.83
6085	6.57	2.79	3.11	1.18	0.00	0.00	11.46	25.11	8.21	2.85	4.10	1.56	0.00	0.00	14.90	31.62
6090	8.36	3.55	3.82	1.45	0.00	0.00	14.58	31.76	10.45	3.62	5.03	1.91	0.00	0.00	18.96	39.97
6095	10.05	4.26	4.53	1.72	0.00	0.00	17.53	38.09	12.57	4.36	5.96	2.27	0.00	0.00	22.79	47.95
6100	12.13	5.15	5.66	2.15	0.00	0.00	21.16	46.25	15.17	5.26	7.45	2.83	0.00	0.00	27.51	58.22
6105	23.76	10.08	9.90	3.76	0.00	0.00	41.45	88.95	29.70	10.30	13.04	4.96	0.00	0.00	53.88	111.88
6120	0.62	0.30	0.92	0.29	0.10	0.01	0.63	2.87	0.77	0.30	1.20	0.38	0.18	0.03	0.85	3.71
6125	0.75	0.36	0.39	0.17	0.10	0.01	0.76	2.54	0.93	0.37	0.52	0.22	0.18	0.03	1.02	3.27
6130	0.85	0.41	1.32	0.42	0.08	0.01	0.87	3.96	1.06	0.41	1.72	0.55	0.16	0.02	1.16	5.08
6135	0.96	0.46	0.58	0.24	0.08	0.01	0.98	3.31	1.20	0.46	0.76	0.32	0.16	0.02	1.31	4.23
6140	1.13	0.54	0.73	0.31	0.09	0.01	1.15	3.96	1.41	0.55	0.97	0.41	0.17	0.03	1.54	5.08
6145	1.04	0.50	1.84	0.59	0.09	0.01	1.06	5.13	1.30	0.51	2.39	0.77	0.17	0.03	1.42	6.59
6150	1.20	0.57	1.95	0.62	0.09	0.01	1.23	5.67	1.50	0.58	2.54	0.81	0.17	0.03	1.64	7.27
6155	1.29	0.61	0.94	0.40	0.09	0.01	1.31	4.65	1.61	0.62	1.24	0.52	0.17	0.03	1.76	5.95
6160	1.61	0.79	1.42	0.59	0.31	0.05	1.66	6.43	2.02	0.80	1.86	0.78	0.59	0.09	2.22	8.36
6165	2.01	0.98	1.81	0.76	0.35	0.05	2.06	8.02	2.51	1.00	2.38	1.00	0.66	0.10	2.76	10.41
6170	2.85	1.45	2.05	0.86	1.01	0.15	2.96	11.33	3.57	1.48	2.69	1.13	1.93	0.29	3.97	15.06
6175	2.89	1.46	2.15	0.90	1.01	0.15	3.00	11.56	3.61	1.49	2.83	1.19	1.93	0.29	4.02	15.36
6185	1.82	0.87	0.97	0.41	0.20	0.03	1.86	6.16	2.28	0.89	1.28	0.54	0.38	0.06	2.50	7.93
6190	3.17	1.55	1.73	0.73	0.60	0.09	3.25	11.12	3.96	1.58	2.28	0.96	1.15	0.17	4.36	14.46
6195	4.32	2.11	2.18	0.91	0.83	0.12	4.44	14.91	5.40	2.15	2.86	1.20	1.58	0.24	5.94	19.37
6200	5.78	2.89	2.88	1.21	1.70	0.25	5.97	20.68	7.22	2.95	3.79	1.59	3.24	0.49	8.00	27.28
6205	7.42	3.65	4.01	1.68	1.70	0.25	7.64	26.35	9.28	3.73	5.28	2.22	3.24	0.49	10.23	34.47
6210	9.40	4.68	4.85	2.04	2.58	0.39	9.71	33.65	11.75	4.77	6.38	2.68	4.92	0.74	13.00	44.24
6220	3.35	1.65	1.70	0.72	0.75	0.11	3.45	11.73	4.18	1.68	2.24	0.94	1.43	0.21	4.61	15.29
6225	4.01	1.96	1.70	0.72	0.75	0.11	4.12	13.37	5.02	1.99	2.24	0.94	1.43	0.21	5.52	17.35
6230	5.06	2.45	2.23	0.94	0.83	0.12	5.18	16.81	6.32	2.50	2.93	1.23	1.58	0.24	6.94	21.74
6235	5.41	2.62	2.23	0.94	0.83	0.12	5.54	17.69	6.76	2.67	2.93	1.23	1.58	0.24	7.42	22.83
6240	5.78	2.79	2.75	1.16	0.83	0.12	5.92	19.35	7.23	2.84	3.62	1.52	1.58	0.24	7.93	24.96
6245	6.16	2.97	2.75	1.16	0.83	0.12	6.31	20.30	7.70	3.03	3.62	1.52	1.58	0.24	8.44	26.13
6250	7.24	3.49	3.28	1.38	1.02	0.15	7.41	23.97	9.05	3.56	4.31	1.81	1.94	0.29	9.93	30.89
6255	9.26	4.51	4.06	1.71	1.70	0.25	9.51	31.00	11.58	4.60	5.35	2.25	3.24	0.49	12.73	40.24

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
6260	12.56	6.16	5.24	2.20	2.70	0.41	12.92	42.19	15.70	6.29	6.90	2.90	5.16	0.77	17.31	55.03
6265	15.89	7.63	7.08	2.12	5.65	0.85	14.20	53.42	19.06	7.75	9.31	2.79	10.78	1.62	18.26	69.57
6270	22.60	11.10	9.83	2.95	7.67	1.15	20.28	75.58	27.12	11.28	12.94	3.88	14.64	2.20	26.08	98.14
6275	44.70	22.48	18.09	5.43	19.31	2.90	40.29	153.20	53.64	22.85	23.80	7.14	36.87	5.53	51.80	201.63
6285	4.34	2.11	2.23	0.94	0.75	0.11	4.45	14.93	5.43	2.15	2.93	1.23	1.43	0.21	5.96	19.34
6290	5.10	2.47	2.88	1.21	0.83	0.12	5.23	17.84	6.38	2.52	3.79	1.59	1.58	0.24	7.00	23.10
6295	5.92	2.88	3.17	1.33	1.02	0.15	6.08	20.55	7.41	2.93	4.17	1.75	1.94	0.29	8.14	26.63
6300	8.54	4.20	4.04	1.70	1.95	0.29	8.79	29.51	10.67	4.29	5.31	2.23	3.72	0.56	11.77	38.55
6305	11.39	5.67	5.32	2.24	3.11	0.47	11.76	39.96	14.24	5.78	7.00	2.94	5.94	0.89	15.76	52.55
6310	14.66	7.08	7.32	2.19	5.65	0.85	13.12	50.87	17.60	7.20	9.63	2.89	10.78	1.62	16.87	66.59
6315	21.42	10.35	9.44	2.83	5.94	0.89	19.17	70.04	25.71	10.52	12.42	3.73	11.34	1.70	24.65	90.07
6320	39.17	19.41	16.05	4.81	14.65	2.20	35.21	131.50	47.00	19.73	21.11	6.33	27.97	4.20	45.27	171.61
6330	3.30	1.62	1.84	0.77	0.70	0.10	3.40	11.73	4.13	1.65	2.41	1.01	1.33	0.20	4.55	15.28
6335	3.87	1.88	2.10	0.88	0.70	0.10	3.97	13.50	4.83	1.92	2.76	1.16	1.33	0.20	5.31	17.51
6340	4.96	2.39	2.88	1.21	0.70	0.10	5.07	17.31	6.19	2.44	3.79	1.59	1.33	0.20	6.79	22.33
6345	5.39	2.63	3.33	1.40	1.02	0.15	5.53	19.45	6.73	2.68	4.38	1.84	1.94	0.29	7.41	25.27
6350	7.45	3.71	4.30	1.81	2.05	0.31	7.70	27.33	9.32	3.78	5.66	2.38	3.91	0.59	10.31	35.95
6355	11.49	5.71	5.85	2.46	3.11	0.47	11.86	40.95	14.36	5.82	7.69	3.23	5.94	0.89	15.89	53.82
6360	14.28	6.91	7.21	2.16	5.65	0.85	12.78	49.84	17.14	7.02	9.49	2.85	10.78	1.62	16.44	65.34
6365	17.18	8.45	9.18	2.75	5.94	0.89	15.42	59.81	20.62	8.59	12.07	3.62	11.34	1.70	19.83	77.77
6375	1.51	0.75	1.26	0.53	0.43	0.06	1.56	6.10	1.89	0.77	1.66	0.70	0.81	0.12	2.09	8.04
6380	1.77	0.88	1.26	0.53	0.43	0.06	1.83	6.76	2.22	0.90	1.66	0.70	0.81	0.12	2.45	8.86
6385	2.02	0.99	1.57	0.66	0.43	0.06	2.08	7.81	2.52	1.01	2.07	0.87	0.81	0.12	2.78	10.18
6390	4.53	2.19	1.65	0.69	0.61	0.09	4.64	14.40	5.67	2.23	2.17	0.91	1.16	0.17	6.22	18.53
6400	3.84	1.88	2.10	0.88	0.75	0.11	3.95	13.51	4.80	1.91	2.76	1.16	1.43	0.21	5.29	17.56
6405	4.75	2.31	2.62	1.10	0.83	0.12	4.87	16.60	5.94	2.35	3.45	1.45	1.58	0.24	6.53	21.54
6410	5.51	2.69	3.15	1.32	1.02	0.15	5.66	19.50	6.89	2.74	4.14	1.74	1.94	0.29	7.58	25.32
6415	7.96	3.91	4.06	1.71	1.70	0.25	8.19	27.78	9.95	3.98	5.35	2.25	3.24	0.49	10.97	36.23
6420	10.91	5.43	4.96	2.08	2.96	0.44	11.27	38.05	13.64	5.53	6.52	2.74	5.66	0.85	15.09	50.03
6425	15.09	7.68	5.48	2.30	5.65	0.85	15.69	52.74	18.87	7.83	7.21	3.03	10.78	1.62	21.01	70.35
6430	21.40	10.34	10.88	3.26	5.94	0.89	19.15	71.86	25.68	10.51	14.32	4.30	11.34	1.70	24.62	92.47
6435	39.85	19.33	15.47	4.64	11.64	1.75	35.69	128.37	47.82	19.64	20.35	6.11	22.22	3.33	45.89	165.36
6445	1.63	0.80	1.13	0.47	0.32	0.05	1.68	6.08	2.04	0.82	1.48	0.62	0.59	0.09	2.25	7.89
6450	4.43	2.15	2.23	0.94	0.75	0.11	4.55	15.16	5.54	2.19	2.93	1.23	1.43	0.21	6.09	19.62
6455	5.43	2.61	2.75	1.16	0.70	0.10	5.55	18.30	6.79	2.66	3.62	1.52	1.33	0.20	7.44	23.56
6460	7.67	3.75	3.80	1.60	1.53	0.23	7.89	26.47	9.59	3.83	5.00	2.10	2.92	0.44	10.56	34.44
6465	13.09	6.38	6.82	2.05	5.65	0.85	11.73	46.57	15.71	6.48	8.97	2.69	10.78	1.62	15.09	61.34
6475	4.62	2.27	2.73	1.15	1.02	0.15	4.75	16.69	5.77	2.31	3.59	1.51	1.94	0.29	6.36	21.77
6480	6.40	3.18	4.14	1.74	1.70	0.25	6.61	24.02	8.00	3.24	5.45	2.29	3.24	0.49	8.85	31.56
6485	6.87	3.40	4.33	1.82	1.78	0.27	7.08	25.55	8.58	3.47	5.69	2.39	3.39	0.51	9.49	33.52
6490	9.28	4.64	5.69	2.39	2.70	0.41	9.60	34.71	11.60	4.73	7.49	3.14	5.16	0.77	12.85	45.74
6495	12.03	5.85	8.00	2.40	5.12	0.77	10.78	44.95	14.44	5.95	10.52	3.16	9.77	1.47	13.86	59.17
6500	18.37	9.21	10.04	3.01	7.67	1.15	16.55	66.00	22.05	9.36	13.21	3.96	14.64	2.20	21.28	86.70
6510	1.94	0.93	1.26	0.53	0.24	0.04	1.99	6.93	2.43	0.95	1.66	0.70	0.45	0.07	2.66	8.92
6515	2.09	1.02	1.70	0.72	0.32	0.05	2.15	8.05	2.62	1.04	2.24	0.94	0.60	0.09	2.88	10.41
6520	2.26	1.13	1.89	0.79	0.63	0.09	2.34	9.13	2.82	1.15	2.48	1.04	1.18	0.18	3.13	11.98
6530	4.59	2.26	2.70	1.13	1.02	0.15	4.73	16.58	5.74	2.30	3.55	1.49	1.94	0.29	6.33	21.64
6535	5.40	2.63	3.23	1.35	1.02	0.15	5.55	19.33	6.75	2.69	4.24	1.78	1.94	0.29	7.43	25.12
6540	7.41	3.66	3.78	1.59	1.78	0.27	7.64	26.13	9.26	3.73	4.97	2.09	3.39	0.51	10.23	34.18
6545	7.97	3.92	4.40	1.85	1.78	0.27	8.20	28.39	9.96	4.00	5.80	2.43	3.39	0.51	10.99	37.08
6550	10.27	5.09	5.51	2.31	2.64	0.40	10.60	36.82	12.84	5.19	7.24	3.04	5.05	0.76	14.19	48.31
6555	11.19	5.25	6.48	1.94	2.64	0.40	9.96	37.86	13.42	5.33	8.52	2.56	5.05	0.76	12.81	48.45
6560	14.66	7.08	8.05	2.41	5.65	0.85	13.12	51.82	17.59	7.19	10.59	3.18	10.78	1.62	16.87	67.82
6565	21.32	10.53	12.06	3.62	7.67	1.15	19.15	75.50	25.59	10.70	15.87	4.76	14.64	2.20	24.63	98.39
6575	4.17	2.06	2.44	1.02	1.02	0.15	4.30	15.16	5.21	2.10	3.21	1.35	1.94	0.29	5.75	19.85

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
6580	5.34	2.61	6.83	2.19	1.02	0.15	5.49	23.63	6.68	2.66	8.90	2.85	1.94	0.29	7.35	30.67
6585	7.02	3.47	4.20	1.76	1.70	0.25	7.24	25.64	8.78	3.54	5.52	2.32	3.24	0.49	9.69	33.58
6590	7.87	4.02	4.85	2.04	3.11	0.47	8.19	30.55	9.83	4.10	6.38	2.68	5.94	0.89	10.97	40.79
6595	14.32	6.96	7.47	2.24	6.02	0.90	12.83	50.74	17.19	7.08	9.83	2.95	11.49	1.72	16.50	66.76
6600	18.79	9.17	10.49	3.15	5.94	0.89	16.85	65.28	22.55	9.32	13.80	4.14	11.34	1.70	21.66	84.51
6615	2.62	1.27	1.23	0.39	0.34	0.05	3.07	8.97	3.28	1.30	1.62	0.52	0.48	0.07	4.08	11.35
6620	3.28	1.58	1.65	0.53	0.33	0.05	3.83	11.25	4.10	1.61	2.17	0.70	0.46	0.07	5.09	14.20
6625	5.26	2.53	2.10	0.67	0.53	0.08	6.15	17.32	6.58	2.58	2.76	0.88	0.75	0.11	8.17	21.83
6630	6.03	2.92	2.91	0.93	0.71	0.11	7.06	20.67	7.54	2.98	3.83	1.23	0.99	0.15	9.38	26.10
6640	2.99	1.50	1.63	0.52	0.71	0.11	3.54	11.00	3.74	1.53	2.14	0.68	0.99	0.15	4.70	13.93
6645	3.41	1.69	1.84	0.59	0.71	0.11	4.02	12.37	4.26	1.73	2.41	0.77	0.99	0.15	5.34	15.65
6655	2.88	1.39	1.52	0.49	0.38	0.06	3.37	10.09	3.59	1.42	2.00	0.64	0.53	0.08	4.47	12.73
6660	3.43	1.66	1.63	0.52	0.42	0.06	4.02	11.74	4.29	1.69	2.14	0.68	0.60	0.09	5.33	14.82
6665	3.97	1.93	1.84	0.59	0.53	0.08	4.65	13.59	4.96	1.96	2.41	0.77	0.75	0.11	6.18	17.14
6670	4.57	2.21	2.10	0.67	0.53	0.08	5.35	15.51	5.71	2.25	2.76	0.88	0.75	0.11	7.10	19.56
6675	5.43	2.65	2.62	0.84	0.83	0.13	6.37	18.87	6.78	2.70	3.45	1.10	1.17	0.18	8.46	23.84
6685	2.32	1.13	1.26	0.40	0.36	0.05	2.73	8.25	2.90	1.16	1.66	0.53	0.51	0.08	3.62	10.46
6690	2.59	1.26	1.26	0.40	0.36	0.05	3.04	8.96	3.24	1.28	1.66	0.53	0.51	0.08	4.03	11.33
6695	2.77	1.34	1.57	0.50	0.36	0.05	3.24	9.83	3.46	1.37	2.07	0.66	0.51	0.08	4.30	12.45
6700	3.06	1.50	1.65	0.53	0.52	0.08	3.60	10.94	3.83	1.53	2.17	0.70	0.74	0.11	4.78	13.86
6705	3.43	1.67	1.89	0.60	0.52	0.08	4.03	12.22	4.29	1.71	2.48	0.79	0.74	0.11	5.35	15.47
6710	4.96	2.38	2.62	0.84	0.52	0.08	5.79	17.19	6.20	2.43	3.45	1.10	0.74	0.11	7.70	21.73
6720	2.70	1.29	1.26	0.40	0.21	0.03	3.15	9.04	3.38	1.31	1.66	0.53	0.29	0.04	4.18	11.39
6725	3.06	1.47	1.70	0.55	0.28	0.04	3.57	10.67	3.82	1.49	2.24	0.72	0.39	0.06	4.74	13.46
6730	3.16	1.55	1.89	0.60	0.53	0.08	3.71	11.52	3.95	1.58	2.48	0.79	0.75	0.11	4.93	14.59
6745	5.59	2.37	1.78	0.68	0.00	0.00	9.75	20.17	6.99	2.42	2.35	0.89	0.00	0.00	12.68	25.33
6750	6.20	2.63	2.21	0.84	0.00	0.00	10.82	22.70	7.75	2.69	2.91	1.10	0.00	0.00	14.06	28.51
6760	4.35	1.84	1.84	0.70	0.00	0.00	7.58	16.31	5.43	1.88	2.42	0.92	0.00	0.00	9.85	20.50
6770	0.57	0.20	0.00	0.52	0.00	0.00	0.82	2.11								
6775	1.18	0.42	0.00	1.06	0.00	0.00	1.71	4.37								
6780	2.37	0.84	0.00	2.01	0.00	0.00	3.45	8.67								
6785	0.57	0.20	0.00	0.25	0.00	0.00	0.83	1.85								
6790	0.89	0.32	0.00	0.37	0.00	0.00	1.30	2.88								
6805	2.00	0.71	0.00	0.27	0.00	0.00	2.91	5.89								
6810	2.62	0.93	0.00	0.51	0.00	0.00	3.80	7.86								
6815	3.08	1.09	0.00	0.80	0.00	0.00	4.47	9.44								
6830	4.71	1.68	0.00	0.32	0.00	0.00	6.84	13.55								
6835	4.87	1.73	0.00	0.32	0.00	0.00	7.07	13.99								
6840	7.58	2.69	0.00	0.51	0.00	0.00	11.01	21.79								
6845	7.93	2.82	0.00	0.61	0.00	0.00	11.52	22.88								
6860	3.77	1.34	0.00	0.45	0.00	0.00	5.48	11.04								
6865	4.46	1.59	0.00	0.51	0.00	0.00	6.48	13.04								
6870	5.08	1.81	0.00	0.61	0.00	0.00	7.38	14.88								
6875	5.46	1.94	0.00	0.75	0.00	0.00	7.93	16.08								
6880	6.46	2.30	0.00	0.65	0.00	0.00	9.39	18.80								
6885	7.79	2.77	0.00	0.95	0.00	0.00	11.32	22.83								
6890	8.83	3.14	0.00	0.95	0.00	0.00	12.82	25.74								
6895	11.60	4.12	0.00	1.17	0.00	0.00	16.84	33.73								
6900	13.18	4.69	0.00	1.28	0.00	0.00	19.14	38.29								
6915	3.01	1.07	0.60	0.19	0.00	0.00	4.37	9.24								
6920	6.33	2.25	1.31	0.42	0.00	0.00	9.20	19.51								
6925	7.34	2.61	1.99	0.64	0.00	0.00	10.66	23.24								
6930	7.72	2.75	2.36	0.76	0.00	0.00	11.21	24.80								
6935	10.40	3.70	3.49	1.12	0.00	0.00	15.11	33.82								
6940	12.42	4.42	3.57	1.14	0.00	0.00	18.03	39.58								

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
6950	6.85	2.44	1.18	0.70	0.00	0.00	9.95	21.12								
6955	8.35	2.97	2.07	1.15	0.00	0.00	12.12	26.66								
6960	10.41	3.70	3.04	1.56	0.00	0.00	15.12	33.83								
6965	13.31	4.73	3.38	1.78	0.00	0.00	19.33	42.53								
6970	24.81	8.82	5.66	3.13	0.00	0.00	36.04	78.46								
6975	28.58	10.17	7.03	3.87	0.00	0.00	41.52	91.17								
6985	3.70	1.32	0.00	0.51	0.00	0.00	5.38	10.91								
6990	3.94	1.40	0.00	0.66	0.00	0.00	5.72	11.72								
6995	5.25	1.87	0.00	0.66	0.00	0.00	7.63	15.41								
7000	1.34	0.48	0.00	0.25	0.00	0.00	1.95	4.02								
7005	1.70	0.60	0.00	0.34	0.00	0.00	2.46	5.10								
7010	2.12	0.75	0.00	0.45	0.00	0.00	3.07	6.39								
7020	5.10	1.81	0.00	0.68	0.00	0.00	7.41	15.00								
7025	5.84	2.08	0.00	0.80	0.00	0.00	8.49	17.21								
7030	6.27	2.23	0.00	0.95	0.00	0.00	9.11	18.56								
7035	7.68	2.73	0.00	1.12	0.00	0.00	11.16	22.69								
7040	9.49	3.37	0.00	1.17	0.00	0.00	13.78	27.81								
7045	13.74	4.89	0.00	1.39	0.00	0.00	19.96	39.98								
7060	7.08	2.52	2.49	0.80	0.00	0.00	10.28	23.17								
7065	12.57	4.47	4.09	1.31	0.00	0.00	18.26	40.70								
7070	18.51	6.58	8.13	2.60	0.00	0.00	26.89	62.71								
7075	21.33	7.59	13.37	4.28	0.00	0.00	30.98	77.55								
7080	27.03	9.61	15.21	4.87	0.00	0.00	39.27	95.99								
7095	7.34	4.11	1.52	0.61	0.00	0.00	8.27	21.85	8.81	4.17	1.96	0.78	0.00	0.00	11.25	26.97
7100	11.89	6.66	2.90	1.16	0.00	0.00	13.40	36.01	14.27	6.74	3.73	1.49	0.00	0.00	18.22	44.45
7105	13.53	7.58	2.90	1.16	0.00	0.00	15.25	40.42	16.24	7.68	3.73	1.49	0.00	0.00	20.74	49.88
7110	17.00	9.52	4.35	1.74	0.00	0.00	19.15	51.76	20.40	9.64	5.59	2.24	0.00	0.00	26.04	63.91
7115	23.74	13.29	5.94	2.38	0.00	0.00	26.75	72.10	28.49	13.47	7.64	3.06	0.00	0.00	36.37	89.03
7130	1.36	0.42	0.00	0.15	0.00	0.00	1.49	3.42								
7135	0.50	0.15	0.00	0.10	0.00	0.00	0.55	1.30								
7140	2.01	0.62	0.00	0.31	0.00	0.00	2.19	5.13								
7145	0.87	0.27	0.00	0.05	0.00	0.00	0.95	2.14								
7160	0.06	0.03	0.16	0.05	0.00	0.00	0.06	0.36								
7175	0.04	0.02	0.16	0.05	0.00	0.00	0.04	0.31								
7180	0.05	0.02	0.24	0.08	0.00	0.00	0.05	0.44								
7185	0.09	0.04	0.63	0.20	0.00	0.00	0.09	1.05								
7195	0.68	0.31	3.40	1.09	0.00	0.00	0.76	6.24								
7200	0.69	0.32	1.10	0.42	0.00	0.00	0.76	3.29								
7205	0.96	0.44	6.25	2.00	0.00	0.00	1.06	10.71								
7210	1.08	0.49	2.19	0.83	0.00	0.00	1.20	5.79								
7215	1.67	0.77	2.56	0.97	0.00	0.00	1.85	7.82								
7220	1.78	0.81	2.49	0.94	0.00	0.00	1.97	7.99								
7235	0.07	0.03	0.40	0.13	0.00	0.00	0.08	0.71								
7240	0.10	0.05	0.63	0.20	0.00	0.00	0.11	1.09								
7245	0.21	0.09	1.27	0.41	0.00	0.00	0.23	2.21								
7260	0.09	0.04	0.24	0.08	0.00	0.00	0.10	0.55								
7265	0.10	0.05	0.24	0.08	0.00	0.00	0.11	0.58								
7280	0.13	0.06	0.13	0.06	0.00	0.00	0.07	0.45								
7285	0.18	0.08	0.34	0.15	0.00	0.00	0.10	0.85								
7290	0.64	0.29	1.69	0.76	0.00	0.00	0.35	3.73								
7295	0.83	0.38	4.05	1.82	0.00	0.00	0.46	7.54								
7305	0.10	0.04	0.07	0.03	0.00	0.00	0.05	0.29								
7310	0.14	0.06	0.13	0.06	0.00	0.00	0.08	0.47								
7315	0.19	0.09	0.54	0.24	0.00	0.00	0.10	1.16								
7330	3.80	1.32	0.00	0.15	0.00	0.00	4.24	9.51	5.07	1.36	0.00	0.15	0.00	0.00	6.36	12.94

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
7335	0.30	0.10	0.00	0.00	0.00	0.00	0.33	0.73	0.40	0.11	0.00	0.00	0.00	0.00	0.50	1.01
7340	2.41	0.83	0.00	0.10	0.00	0.00	2.69	6.03	3.21	0.86	0.00	0.10	0.00	0.00	4.03	8.20
7345	0.19	0.07	0.00	0.00	0.00	0.00	0.21	0.47	0.25	0.07	0.00	0.00	0.00	0.00	0.32	0.64
7350	1.80	0.62	0.00	0.08	0.00	0.00	2.01	4.51	2.40	0.65	0.00	0.08	0.00	0.00	3.01	6.14
7355	0.08	0.03	0.00	0.00	0.00	0.00	0.09	0.20	0.11	0.03	0.00	0.00	0.00	0.00	0.14	0.28
7360	2.07	0.72	0.00	0.10	0.00	0.00	2.31	5.20	2.76	0.74	0.00	0.10	0.00	0.00	3.46	7.06
7365	0.19	0.06	0.00	0.00	0.00	0.00	0.21	0.46	0.25	0.07	0.00	0.00	0.00	0.00	0.31	0.63
7370	1.50	0.52	0.00	0.08	0.00	0.00	1.67	3.77	2.00	0.54	0.00	0.08	0.00	0.00	2.51	5.13
7375	0.12	0.04	0.00	0.00	0.00	0.00	0.13	0.29	0.16	0.04	0.00	0.00	0.00	0.00	0.20	0.40
7380	0.88	0.30	0.00	0.08	0.00	0.00	0.98	2.24	1.17	0.31	0.00	0.08	0.00	0.00	1.47	3.03
7385	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.06	0.02	0.00	0.00	0.00	0.00	0.08	0.16
7390	2.31	0.80	0.00	0.08	0.00	0.00	2.58	5.77	3.08	0.83	0.00	0.08	0.00	0.00	3.87	7.86
7395	0.19	0.06	0.00	0.00	0.00	0.00	0.21	0.46	0.25	0.07	0.00	0.00	0.00	0.00	0.31	0.63
7400	2.05	0.71	0.00	0.08	0.00	0.00	2.29	5.13	2.74	0.74	0.00	0.08	0.00	0.00	3.44	7.00
7405	0.25	0.09	0.00	0.00	0.00	0.00	0.28	0.62	0.34	0.09	0.00	0.00	0.00	0.00	0.42	0.85
7410	0.72	0.31	0.00	0.08	0.00	0.00	0.81	1.92	0.90	0.31	0.00	0.08	0.00	0.00	1.14	2.43
7420	5.02	1.74	0.00	0.25	0.00	0.00	5.61	12.62	6.70	1.80	0.00	0.25	0.00	0.00	8.41	17.16
7425	0.37	0.13	0.00	0.00	0.00	0.00	0.41	0.91	0.49	0.13	0.00	0.00	0.00	0.00	0.62	1.24
7430	5.44	1.89	0.00	0.23	0.00	0.00	6.07	13.63	7.25	1.95	0.00	0.23	0.00	0.00	9.11	18.54
7435	5.06	1.76	0.00	0.22	0.00	0.00	5.65	12.69	6.75	1.82	0.00	0.22	0.00	0.00	8.48	17.27
7440	0.37	0.13	0.00	0.00	0.00	0.00	0.41	0.91	0.49	0.13	0.00	0.00	0.00	0.00	0.62	1.24
7445	5.39	1.87	0.00	0.21	0.00	0.00	6.01	13.48	7.18	1.93	0.00	0.21	0.00	0.00	9.02	18.34
7450	4.29	1.49	0.00	0.16	0.00	0.00	4.79	10.73	5.72	1.54	0.00	0.16	0.00	0.00	7.18	14.60
7455	0.33	0.12	0.00	0.00	0.00	0.00	0.37	0.82	0.44	0.12	0.00	0.00	0.00	0.00	0.56	1.12
7460	3.99	1.38	0.00	0.16	0.00	0.00	4.46	9.99	5.32	1.43	0.00	0.16	0.00	0.00	6.69	13.60
7465	2.89	1.00	0.00	0.10	0.00	0.00	3.23	7.22	3.86	1.04	0.00	0.10	0.00	0.00	4.85	9.85
7470	0.19	0.06	0.00	0.00	0.00	0.00	0.21	0.46	0.25	0.07	0.00	0.00	0.00	0.00	0.31	0.63
7475	2.81	0.98	0.00	0.10	0.00	0.00	3.14	7.03	3.75	1.01	0.00	0.10	0.00	0.00	4.71	9.57
7480	1.66	0.58	0.00	0.08	0.00	0.00	1.86	4.18	2.22	0.60	0.00	0.08	0.00	0.00	2.79	5.69
7485	0.10	0.03	0.00	0.00	0.00	0.00	0.11	0.24	0.13	0.03	0.00	0.00	0.00	0.00	0.16	0.32
7490	1.01	0.35	0.00	0.08	0.00	0.00	1.13	2.57	1.35	0.36	0.00	0.08	0.00	0.00	1.69	3.48
7495	0.06	0.02	0.00	0.00	0.00	0.00	0.06	0.14	0.08	0.02	0.00	0.00	0.00	0.00	0.09	0.19
7500	0.78	0.27	0.00	0.08	0.00	0.00	0.87	2.00	1.04	0.28	0.00	0.08	0.00	0.00	1.31	2.71
7505	0.06	0.02	0.00	0.00	0.00	0.00	0.06	0.14	0.08	0.02	0.00	0.00	0.00	0.00	0.09	0.19
7510	0.48	0.17	0.00	0.08	0.00	0.00	0.53	1.26	0.63	0.17	0.00	0.08	0.00	0.00	0.80	1.68
7515	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.05	0.10
7520	0.27	0.09	0.00	0.08	0.00	0.00	0.30	0.74	0.36	0.10	0.00	0.08	0.00	0.00	0.45	0.99
7525	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05
7535	5.43	1.88	0.00	0.28	0.00	0.00	6.06	13.65	7.24	1.95	0.00	0.28	0.00	0.00	9.09	18.56
7540	4.28	1.48	0.00	0.20	0.00	0.00	4.78	10.74	5.71	1.54	0.00	0.20	0.00	0.00	7.17	14.62
7545	3.24	1.12	0.00	0.10	0.00	0.00	3.61	8.07	4.31	1.16	0.00	0.10	0.00	0.00	5.42	10.99
7550	2.01	0.70	0.00	0.09	0.00	0.00	2.25	5.05	2.68	0.72	0.00	0.09	0.00	0.00	3.37	6.86
7565	3.24	1.37	2.23	0.53	0.18	0.03	3.40	10.98								
7570	3.58	1.52	2.23	0.53	0.18	0.03	3.76	11.83								
7575	4.15	1.76	2.23	0.53	0.22	0.03	4.36	13.28								
7580	6.53	2.82	3.28	0.79	0.68	0.10	6.88	21.08								
7590	2.82	1.20	1.99	0.48	0.18	0.03	2.97	9.67								
7595	3.04	1.29	1.99	0.48	0.18	0.03	3.20	10.21								
7600	3.11	1.32	2.05	0.49	0.18	0.03	3.27	10.45								
7605	2.98	1.27	6.14	1.47	0.22	0.03	3.14	15.25								
7610	3.33	1.42	1.99	0.48	0.22	0.03	3.50	10.97								
7615	3.11	1.33	6.14	1.47	0.26	0.04	3.27	15.62								
7620	3.46	1.48	1.99	0.48	0.26	0.04	3.64	11.35								
7625	7.43	3.23	3.07	0.74	0.90	0.13	7.85	23.35								
7635	3.08	1.31	1.78	0.43	0.18	0.03	3.24	10.05								

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
7640	3.83	1.62	1.78	0.43	0.22	0.03	4.02	11.93								
7645	7.74	3.35	3.41	0.82	0.82	0.12	8.17	24.43								
7650	8.90	4.03	3.41	0.82	2.08	0.31	9.49	29.04								
7665	4.03	2.22	0.00	0.21	1.92	0.29	4.50	13.17								
7670	5.57	2.62	0.00	0.23	1.50	0.22	5.99	16.13								
7680	5.29	2.72	0.00	0.40	1.82	0.27	5.81	16.31								
7685	5.38	2.95	0.00	0.45	2.49	0.37	6.00	17.64								
7690	7.92	4.00	0.00	0.67	2.49	0.37	8.66	24.11								
7700	0.70	0.33	0.00	0.05	0.21	0.03	0.75	2.07								
7715	1.13	0.47	0.00	0.15	0.00	0.00	1.18	2.93								
7720	1.44	0.60	0.00	0.15	0.00	0.00	1.50	3.69								
7725	1.48	0.62	0.00	0.15	0.00	0.00	1.55	3.80								
7730	2.22	0.92	0.00	0.15	0.00	0.00	2.32	5.61								
7735	3.40	1.41	0.00	0.15	0.00	0.00	3.55	8.51								
7740	5.12	2.12	0.00	0.15	0.00	0.00	5.35	12.74								
7745	3.36	1.39	0.00	0.16	0.00	0.00	3.51	8.42								
7750	3.90	1.62	0.00	0.15	0.00	0.00	4.08	9.75								
7755	6.02	2.50	0.00	0.15	0.00	0.00	6.30	14.97								
7765	0.50	0.21	0.00	0.16	0.00	0.00	0.52	1.39								
7770	1.01	0.42	0.00	0.16	0.00	0.00	1.06	2.65								
7785	12.69	5.27	5.51	1.32	0.00	0.00	13.28	38.07								
7790	12.71	5.28	5.51	1.32	0.00	0.00	13.29	38.11								
7795	19.09	7.93	8.13	1.95	0.00	0.00	19.96	57.06								
7800	20.19	8.39	8.13	1.95	0.00	0.00	21.12	59.78								
7805	19.98	8.30	8.13	1.95	0.00	0.00	20.89	59.25								
7815	21.35	8.87	8.65	2.08	0.00	0.00	22.32	63.27								
7830	2.22	0.92	1.36	0.33	0.00	0.00	2.33	7.16								
7835	2.65	1.10	1.36	0.33	0.00	0.00	2.78	8.22								
7840	4.05	1.68	2.23	0.53	0.00	0.00	4.24	12.73								
7845	4.24	1.76	2.23	0.53	0.00	0.00	4.43	13.19								
7850	4.43	1.84	2.23	0.53	0.00	0.00	4.63	13.66								
7855	4.61	1.92	2.23	0.53	0.00	0.00	4.82	14.11								
7865	4.43	1.84	6.14	1.47	0.00	0.00	4.64	18.52								
7870	4.76	1.98	2.23	0.53	0.00	0.00	4.97	14.47								
7875	4.70	1.95	6.14	1.47	0.00	0.00	4.92	19.18								
7880	5.03	2.09	2.23	0.53	0.00	0.00	5.26	15.14								
7885	2.18	0.90	3.10	0.74	0.00	0.00	2.28	9.20								
7890	2.95	1.23	6.14	1.47	0.00	0.00	3.09	14.88								
7895	3.28	1.36	2.23	0.53	0.00	0.00	3.43	10.83								
7900	3.58	1.49	6.14	1.47	0.00	0.00	3.75	16.43								
7905	3.91	1.62	2.23	0.53	0.00	0.00	4.08	12.37								
7910	3.86	1.60	6.14	1.47	0.00	0.00	4.04	17.11								
7915	4.19	1.74	2.23	0.53	0.00	0.00	4.38	13.07								
7930	1.37	0.46	1.43	0.46	0.00	0.00	1.79	5.51								
7935	1.67	0.57	1.43	0.46	0.00	0.00	2.19	6.32								
7940	3.54	1.20	1.57	0.50	0.00	0.00	4.62	11.43								
7945	3.88	1.32	1.57	0.50	0.00	0.00	5.07	12.34								
7950	5.41	1.84	3.47	1.11	0.00	0.00	7.08	18.91								
7955	5.71	1.94	3.47	1.11	0.00	0.00	7.46	19.69								
7965	3.81	1.29	1.79	0.57	0.00	0.00	4.98	12.44								
7970	4.14	1.41	1.79	0.57	0.00	0.00	5.41	13.32								
7975	6.66	2.26	2.82	0.90	0.00	0.00	8.71	21.35								
7980	7.25	2.46	2.82	0.90	0.00	0.00	9.47	22.90								
7990	2.51	0.85	2.85	0.91	0.00	0.00	3.28	10.40								
7995	3.08	1.04	2.85	0.91	0.00	0.00	4.02	11.90								

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
8005	1.97	0.67	1.10	0.35	0.00	0.00	2.58	6.67								
8010	1.79	0.61	1.10	0.35	0.00	0.00	2.34	6.19								
8020	9.15	3.11	2.74	0.88	0.00	0.00	11.96	27.84								
8025	6.18	2.10	1.83	0.59	0.00	0.00	8.08	18.78								
8040	6.14	2.11	2.67	0.85	0.19	0.03	8.05	20.04								
8045	6.90	2.44	3.11	0.99	0.65	0.10	9.09	23.28								
8050	8.14	2.79	3.11	0.99	0.18	0.03	10.66	25.90								
8055	8.96	3.13	4.57	1.46	0.55	0.08	11.78	30.53								
8060	8.37	2.91	4.57	1.46	0.48	0.07	11.00	28.86								
8065	9.02	3.14	4.57	1.46	0.48	0.07	11.85	30.59								
8070	10.43	3.62	4.57	1.46	0.48	0.07	13.70	34.33								
8075	9.30	3.23	4.57	1.46	0.48	0.07	12.21	31.32								
8080	10.08	3.50	4.57	1.46	0.48	0.07	13.24	33.40								
8090	8.95	3.04	4.57	1.46	0.00	0.00	11.70	29.72								
8095	7.17	2.51	3.11	0.99	0.48	0.07	9.43	23.76								
8100	7.62	2.66	4.39	1.40	0.48	0.07	10.02	26.64								
8105	8.69	3.02	4.39	1.40	0.48	0.07	11.42	29.47								
8115	9.28	3.22	4.21	1.35	0.48	0.07	12.18	30.79								
8120	13.61	4.77	7.42	2.38	0.98	0.15	17.91	47.22								
8130	5.73	1.96	2.56	0.82	0.10	0.01	7.51	18.69								
8135	5.68	1.96	2.56	0.82	0.20	0.03	7.44	18.69								
8140	7.62	2.61	2.93	0.94	0.14	0.02	9.98	24.24								
8145	6.56	2.26	2.93	0.94	0.20	0.03	8.60	21.52								
8150	6.23	2.21	2.56	0.82	0.65	0.10	8.22	20.79								
8155	8.51	2.95	3.22	1.03	0.42	0.06	11.18	27.37								
8160	9.87	3.42	4.35	1.39	0.44	0.07	12.95	32.49								
8165	7.83	2.73	4.57	1.46	0.48	0.07	10.30	27.44								
8170	11.57	4.01	4.35	1.39	0.55	0.08	15.19	37.14								
8175	10.03	3.49	4.35	1.39	0.55	0.08	13.18	33.07								
8180	8.48	2.99	4.57	1.46	0.72	0.11	11.17	29.50								
8190	6.41	2.27	2.49	0.80	0.65	0.10	8.46	21.18								
8195	5.83	2.01	2.49	0.80	0.18	0.03	7.64	18.98								
8200	6.85	2.35	2.93	0.94	0.18	0.03	8.97	22.25								
8205	7.31	2.58	2.74	0.88	0.65	0.10	9.64	23.90								
8210	7.48	2.57	2.93	0.94	0.18	0.03	9.80	23.93								
8215	9.72	3.37	4.02	1.29	0.48	0.07	12.77	31.72								
8220	8.05	2.81	3.91	1.25	0.48	0.07	10.58	27.15								
8225	8.72	3.03	3.91	1.25	0.48	0.07	11.46	28.92								
8230	11.16	3.86	4.02	1.29	0.48	0.07	14.65	35.53								
8245	1.17	0.40	0.59	0.19	0.00	0.00	1.53	3.88								
8250	3.10	1.05	1.24	0.40	0.00	0.00	4.05	9.84								
8255	7.30	2.48	2.60	0.83	0.00	0.00	9.55	22.76								
8260	9.81	3.33	4.57	1.46	0.00	0.00	12.82	31.99								
8265	11.84	4.02	5.67	1.81	0.00	0.00	15.48	38.82								
8270	14.31	4.86	6.62	2.12	0.00	0.00	18.71	46.62								
8275	16.59	5.64	6.62	2.12	0.00	0.00	21.69	52.66								
8285	1.12	0.38	0.59	0.19	0.00	0.00	1.47	3.75								
8290	2.58	0.88	1.28	0.41	0.00	0.00	3.37	8.52								
8295	6.71	2.28	2.56	0.82	0.00	0.00	8.77	21.14								
8300	8.93	3.03	4.21	1.35	0.00	0.00	11.68	29.20								
8305	11.92	4.05	4.35	1.39	0.00	0.00	15.58	37.29								
8315	1.16	0.39	1.11	0.35	0.00	0.00	1.51	4.52								
8320	5.99	2.03	1.90	0.61	0.00	0.00	7.83	18.36								
8325	8.92	3.03	2.93	0.94	0.00	0.00	11.66	27.48								
8330	11.29	3.84	5.70	1.83	0.00	0.00	14.76	37.42								

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
8335	20.05	6.81	9.58	3.07	0.00	0.00	26.21	65.72								
8350	0.81	0.20	0.00	0.50	0.02	0.00	0.82	2.35								
8355	1.01	0.25	0.00	0.50	0.03	0.00	1.03	2.82								
8360	1.31	0.33	0.00	0.75	0.05	0.01	1.34	3.79								
8365	3.42	0.92	0.00	1.51	0.41	0.06	3.52	9.84								
8370	2.65	0.65	1.22	0.29	0.03	0.00	2.68	7.52								
8375	2.95	0.72	1.22	0.29	0.03	0.00	2.99	8.20								
8380	3.35	0.82	1.22	0.29	0.03	0.00	3.40	9.11								
8385	0.48	0.12	0.53	0.13	0.00	0.00	0.49	1.75								
8390	0.15	0.04	0.37	0.09	0.00	0.00	0.16	0.81								
8395	0.24	0.06	0.53	0.13	0.00	0.00	0.24	1.20								
8405	0.23	0.06	0.00	0.50	0.02	0.00	0.23	1.04								
8410	0.46	0.12	0.00	0.50	0.02	0.00	0.47	1.57								
8415	0.71	0.18	0.00	0.75	0.02	0.00	0.73	2.39								
8420	0.89	0.22	0.00	0.75	0.03	0.00	0.91	2.80								
8425	2.92	0.71	1.33	0.32	0.00	0.00	2.95	8.23								
8430	3.71	0.90	1.33	0.32	0.00	0.00	3.76	10.02								
8435	1.05	0.25	0.96	0.23	0.00	0.00	1.06	3.55								
8440	0.21	0.05	0.21	0.05	0.00	0.00	0.21	0.73								
8445	0.17	0.04	0.42	0.10	0.00	0.00	0.17	0.90								
8450	0.21	0.05	0.53	0.13	0.00	0.00	0.21	1.13								
8455	0.22	0.05	0.53	0.13	0.00	0.00	0.22	1.15								
8470	10.28	4.61	4.71	1.88	2.77	0.42	10.59	35.26	12.85	4.72	6.16	2.46	4.61	0.69	14.12	45.61
8475	15.99	6.63	6.73	2.15	5.77	0.87	13.35	51.49	19.98	6.79	8.80	2.82	9.59	1.44	17.98	67.40
8480	21.01	8.61	7.97	2.55	6.62	0.99	16.17	63.92	26.26	8.82	10.47	3.35	11.00	1.65	21.89	83.44
8485	23.50	9.56	8.88	2.84	6.62	0.99	19.57	71.96	29.38	9.79	11.61	3.72	11.00	1.65	26.34	93.49
8490	24.31	9.87	11.49	2.99	8.78	1.32	20.24	79.00	30.39	10.11	14.90	3.88	15.25	2.29	27.24	104.06
8495	25.90	10.47	11.49	2.99	8.78	1.32	21.54	82.49	32.38	10.72	14.90	3.88	15.25	2.29	29.00	108.42
8500	32.38	13.24	10.87	3.48	9.85	1.48	24.91	96.21	40.48	13.56	14.28	4.57	16.36	2.45	33.74	125.44
8505	42.92	17.24	17.87	4.65	13.06	1.96	35.66	133.36	53.65	17.66	23.18	6.03	22.69	3.40	48.00	174.61
8510	44.86	17.97	17.87	4.65	13.06	1.96	37.26	137.63	56.08	18.41	23.18	6.03	22.69	3.40	50.16	179.95
8515	42.63	17.47	13.28	4.25	13.36	2.00	32.80	125.79	53.28	17.89	17.46	5.59	22.19	3.33	44.42	164.16
8520	52.34	21.15	24.25	6.31	17.72	2.66	43.53	167.96	65.43	21.67	31.46	8.18	30.78	4.62	58.60	220.74
8525	55.69	22.42	24.25	6.31	17.72	2.66	46.29	175.34	69.61	22.97	31.46	8.18	30.78	4.62	62.31	229.93
8535	14.44	5.89	6.16	1.97	4.27	0.64	12.03	45.40	18.05	6.04	8.06	2.58	7.09	1.06	16.19	59.07
8540	18.97	7.79	7.85	2.51	6.15	0.92	14.61	58.80	23.71	7.98	10.32	3.30	10.21	1.53	19.78	76.83
8545	21.59	8.75	8.75	2.80	5.76	0.86	17.96	66.47	26.98	8.96	11.44	3.66	9.56	1.43	24.18	86.21
8550	23.32	9.41	12.66	3.29	7.64	1.15	19.39	76.86	29.15	9.64	16.43	4.27	13.27	1.99	26.10	100.85
8555	28.04	11.24	12.66	3.29	8.22	1.23	23.29	87.97	35.05	11.51	16.43	4.27	14.28	2.14	31.35	115.03
8565	9.88	4.41	3.36	1.35	2.41	0.36	10.16	31.93	12.35	4.51	4.40	1.76	4.01	0.60	13.55	41.18
8570	20.25	8.32	7.87	2.52	6.62	0.99	15.59	62.16	25.31	8.53	10.35	3.31	11.00	1.65	21.11	81.26
8575	24.07	9.77	13.05	3.39	8.78	1.32	20.03	80.41	30.09	10.01	16.92	4.40	15.25	2.29	26.97	105.93
8580	22.83	9.30	8.77	2.81	6.62	0.99	19.02	70.34	28.54	9.53	11.47	3.67	11.00	1.65	25.60	91.46
8590	9.86	4.40	4.71	1.88	2.41	0.36	10.15	33.77	12.33	4.50	6.16	2.46	4.01	0.60	13.53	43.59
8595	14.14	5.78	6.73	2.15	4.27	0.64	11.78	45.49	17.67	5.92	8.80	2.82	7.09	1.06	15.86	59.22
8605	15.63	6.46	6.46	2.07	5.50	0.83	13.05	50.00	19.54	6.62	8.45	2.70	9.15	1.37	17.57	65.40
8610	24.21	10.32	7.49	2.40	12.42	1.86	18.76	77.46	30.26	10.58	9.84	3.15	20.85	3.13	25.41	103.22
8615	25.54	10.83	8.34	2.67	12.42	1.86	21.42	83.08	31.93	11.09	10.91	3.49	20.85	3.13	28.84	110.24
8620	30.25	12.70	10.19	3.26	13.02	1.95	23.38	94.75	37.81	13.01	13.39	4.29	21.76	3.26	31.66	125.18
8625	31.25	13.08	11.36	3.63	13.02	1.95	26.15	100.44	39.06	13.40	14.85	4.75	21.76	3.26	35.20	132.28
8630	35.73	15.07	11.64	3.72	16.96	2.54	27.63	113.29	44.66	15.43	15.30	4.90	28.59	4.29	37.42	150.59
8635	36.72	15.44	12.97	4.15	16.96	2.54	30.75	119.53	45.90	15.82	16.96	5.43	28.59	4.29	41.40	158.39
8640	38.57	16.18	12.97	4.15	17.21	2.58	32.29	123.95	48.22	16.58	16.96	5.43	28.98	4.35	43.47	163.99
8645	36.98	15.58	11.64	3.72	17.21	2.58	28.60	116.31	46.23	15.96	15.30	4.90	28.98	4.35	38.73	154.45
8650	38.42	16.23	13.28	4.25	18.87	2.83	29.73	123.61	48.03	16.63	17.46	5.59	31.92	4.79	40.25	164.67

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
8655	39.68	16.74	13.28	4.25	19.13	2.87	30.69	126.64	49.60	17.15	17.46	5.59	32.30	4.85	41.56	168.51
8660	43.88	18.34	13.28	4.25	19.13	2.87	33.88	135.63	54.85	18.78	17.46	5.59	32.30	4.85	45.88	179.71
8665	41.27	17.35	14.80	4.74	19.13	2.87	34.56	134.72	51.58	17.77	19.35	6.19	32.30	4.85	46.52	178.56
8670	42.23	17.71	14.85	4.75	19.13	2.87	32.63	134.17	52.78	18.14	19.52	6.25	32.30	4.85	44.18	178.02
8675	45.71	19.30	14.85	4.75	21.00	3.15	35.36	144.12	57.14	19.77	19.52	6.25	35.14	5.27	47.89	190.98
8685	32.86	13.57	11.59	3.71	11.35	1.70	25.33	100.11	41.08	13.90	15.24	4.88	18.85	2.83	34.29	131.07
8690	21.64	8.77	7.35	1.91	7.66	1.15	18.01	66.49	27.05	8.98	9.54	2.48	13.30	2.00	24.24	87.59
8695	35.50	14.40	15.80	4.11	12.69	1.90	29.54	113.94	44.38	14.75	20.50	5.33	22.05	3.31	39.77	150.09
8700	43.71	17.68	18.89	4.91	15.05	2.26	36.36	138.86	54.63	18.11	24.51	6.37	26.14	3.92	48.94	182.62
8715	3.50	2.00	0.00	1.01	1.58	0.24	3.43	11.76	4.20	2.03	0.00	1.01	2.06	0.31	4.41	14.02
8720	4.66	2.73	0.00	1.26	2.45	0.37	4.59	16.06	5.60	2.77	0.00	1.26	3.20	0.48	5.90	19.21
8725	5.46	3.19	0.00	1.51	2.85	0.43	5.38	18.82	6.56	3.24	0.00	1.51	3.72	0.56	6.91	22.50
8735	4.55	2.52	0.00	1.51	1.52	0.23	4.42	14.75	5.46	2.55	0.00	1.51	1.98	0.30	5.68	17.48
8740	5.77	3.33	0.00	1.51	2.72	0.41	5.66	19.40	6.92	3.37	0.00	1.51	3.56	0.53	7.27	23.16
8750	2.10	1.21	0.00	0.50	0.93	0.14	2.06	6.94	2.52	1.22	0.00	0.50	1.22	0.18	2.64	8.28
8765	7.68	3.30	4.09	1.15	0.81	0.12	7.84	24.99	9.60	3.37	5.35	1.50	1.38	0.21	11.10	32.51
8770	12.31	5.35	8.18	2.29	1.99	0.30	12.59	43.01	15.39	5.46	10.70	3.00	3.42	0.51	17.84	56.32
8780	12.10	5.13	9.01	2.52	0.45	0.07	12.31	41.59	15.13	5.25	11.79	3.30	0.74	0.11	17.44	53.76
8795	3.17	1.50	1.78	0.64	0.00	0.00	5.24	12.33	3.96	1.53	2.35	0.85	0.00	0.00	7.14	15.83
8800	4.56	2.16	2.21	0.79	0.00	0.00	7.54	17.26	5.70	2.20	2.91	1.05	0.00	0.00	10.28	22.14
8805	6.55	3.09	3.11	1.12	0.00	0.00	10.82	24.69	8.18	3.16	4.10	1.48	0.00	0.00	14.75	31.67
8810	9.14	4.32	3.96	1.43	0.00	0.00	15.10	33.95	11.42	4.40	5.22	1.88	0.00	0.00	20.59	43.51
8820	2.84	1.34	1.84	0.66	0.00	0.00	4.69	11.37	3.55	1.37	2.42	0.87	0.00	0.00	6.40	14.61
8825	3.22	1.52	1.84	0.66	0.00	0.00	5.32	12.56	4.03	1.55	2.42	0.87	0.00	0.00	7.26	16.13
8830	0.63	0.27	0.00	0.08	0.00	0.00	0.70	1.68	0.79	0.27	0.00	0.08	0.00	0.00	0.99	2.13
8835	0.45	0.19	0.00	0.08	0.00	0.00	0.51	1.23	0.57	0.20	0.00	0.08	0.00	0.00	0.71	1.56
8840	3.59	1.70	2.55	0.92	0.00	0.00	5.93	14.69	4.49	1.73	3.35	1.21	0.00	0.00	8.09	18.87
8845	4.06	1.92	2.55	0.92	0.00	0.00	6.71	16.16	5.07	1.96	3.35	1.21	0.00	0.00	9.15	20.74
8850	0.63	0.27	0.00	0.08	0.00	0.00	0.71	1.69	0.79	0.27	0.00	0.08	0.00	0.00	0.99	2.13
8855	0.71	0.30	0.00	0.08	0.00	0.00	0.80	1.89	0.89	0.31	0.00	0.08	0.00	0.00	1.12	2.40
8860	1.29	0.55	0.00	0.08	0.00	0.00	1.45	3.37	1.62	0.56	0.00	0.08	0.00	0.00	2.03	4.29
8865	5.98	2.83	3.39	1.22	0.00	0.00	9.88	23.30	7.47	2.88	4.47	1.61	0.00	0.00	13.47	29.90
8870	6.82	3.22	3.39	1.22	0.00	0.00	11.27	25.92	8.53	3.29	4.47	1.61	0.00	0.00	15.37	33.27
8875	0.77	0.33	0.00	0.08	0.00	0.00	0.86	2.04	0.97	0.33	0.00	0.08	0.00	0.00	1.21	2.59
8880	0.87	0.37	0.00	0.08	0.00	0.00	0.98	2.30	1.09	0.38	0.00	0.08	0.00	0.00	1.37	2.92
8885	1.20	0.51	0.00	0.08	0.00	0.00	1.33	3.12	1.49	0.52	0.00	0.08	0.00	0.00	1.88	3.97
8890	7.46	3.52	3.96	1.43	0.00	0.00	12.32	28.69	9.32	3.59	5.22	1.88	0.00	0.00	16.80	36.81
8895	7.91	3.74	4.67	1.68	0.00	0.00	13.08	31.08	9.89	3.81	6.15	2.21	0.00	0.00	17.83	39.89
8900	8.21	3.88	4.67	1.68	0.00	0.00	13.57	32.01	10.27	3.96	6.15	2.21	0.00	0.00	18.51	41.10
8905	9.17	4.33	4.67	1.68	0.00	0.00	15.15	35.00	11.46	4.42	6.15	2.21	0.00	0.00	20.66	44.90
8910	1.07	0.45	0.00	0.08	0.00	0.00	1.19	2.79	1.33	0.46	0.00	0.08	0.00	0.00	1.67	3.54
8915	1.09	0.46	0.00	0.08	0.00	0.00	1.22	2.85	1.37	0.47	0.00	0.08	0.00	0.00	1.72	3.64
8920	1.46	0.62	0.00	0.08	0.00	0.00	1.63	3.79	1.83	0.63	0.00	0.08	0.00	0.00	2.30	4.84
8925	10.82	5.11	5.66	2.04	0.00	0.00	17.88	41.51	13.52	5.21	7.45	2.68	0.00	0.00	24.38	53.24
8930	11.78	5.57	7.07	2.55	0.00	0.00	19.46	46.43	14.72	5.68	9.31	3.35	0.00	0.00	26.53	59.59
8935	12.51	5.92	6.08	2.19	0.00	0.00	20.68	47.38	15.64	6.03	8.01	2.88	0.00	0.00	28.20	60.76
8940	14.45	6.83	6.08	2.19	0.00	0.00	23.88	53.43	18.06	6.96	8.01	2.88	0.00	0.00	32.56	68.47
8945	1.66	0.71	0.00	0.08	0.00	0.00	1.86	4.31	2.08	0.72	0.00	0.08	0.00	0.00	2.61	5.49
8950	1.83	0.77	0.00	0.08	0.00	0.00	2.04	4.72	2.28	0.79	0.00	0.08	0.00	0.00	2.87	6.02
8955	1.72	0.73	0.00	0.08	0.00	0.00	1.93	4.46	2.16	0.75	0.00	0.08	0.00	0.00	2.71	5.70
8960	1.86	0.79	0.00	0.10	0.00	0.00	2.07	4.82	2.32	0.81	0.00	0.10	0.00	0.00	2.92	6.15
8965	20.13	8.54	9.48	2.65	0.00	0.00	25.29	66.09	25.17	8.73	12.48	3.49	0.00	0.00	35.12	84.99
8970	20.86	8.85	11.32	3.17	0.00	0.00	26.19	70.39	26.07	9.04	14.90	4.17	0.00	0.00	36.38	90.56
8975	2.62	1.11	0.00	0.12	0.00	0.00	2.92	6.77	3.27	1.14	0.00	0.12	0.00	0.00	4.11	8.64
8980	2.89	1.22	0.00	0.13	0.00	0.00	3.22	7.46	3.61	1.25	0.00	0.13	0.00	0.00	4.53	9.52

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
8985	2.70	1.15	0.00	0.13	0.00	0.00	3.01	6.99	3.38	1.17	0.00	0.13	0.00	0.00	4.24	8.92
8990	0.07	0.03	0.00	0.05	0.00	0.00	0.08	0.23	0.09	0.03	0.00	0.05	0.00	0.00	0.11	0.28
8995	2.00	0.85	0.00	0.15	0.00	0.00	2.23	5.23	2.50	0.87	0.00	0.15	0.00	0.00	3.14	6.66
9000	24.01	10.83	13.01	3.12	0.00	0.00	28.15	79.12	28.81	11.01	17.14	4.11	0.00	0.00	37.53	98.60
9005	3.53	1.50	0.00	0.19	0.00	0.00	3.95	9.17	4.42	1.53	0.00	0.19	0.00	0.00	5.55	11.69
9010	3.64	1.54	0.00	0.19	0.00	0.00	4.06	9.43	4.55	1.58	0.00	0.19	0.00	0.00	5.71	12.03
9015	3.03	1.29	0.00	0.16	0.00	0.00	3.38	7.86	3.79	1.31	0.00	0.16	0.00	0.00	4.76	10.02
9020	0.90	0.38	0.00	0.12	0.00	0.00	1.00	2.40	1.12	0.39	0.00	0.12	0.00	0.00	1.41	3.04
9025	0.10	0.04	0.00	0.08	0.00	0.00	0.11	0.33	0.12	0.04	0.00	0.08	0.00	0.00	0.15	0.39
9030	2.16	0.92	0.00	0.20	0.00	0.00	2.42	5.70	2.70	0.94	0.00	0.20	0.00	0.00	3.40	7.24
9035	40.39	18.22	19.80	4.75	0.00	0.00	47.35	130.51	48.47	18.52	26.08	6.26	0.00	0.00	63.14	162.47
9040	5.40	2.29	0.00	0.28	0.00	0.00	6.03	14.00	6.75	2.34	0.00	0.28	0.00	0.00	8.48	17.85
9045	5.94	2.52	0.00	0.29	0.00	0.00	6.63	15.38	7.43	2.57	0.00	0.29	0.00	0.00	9.32	19.61
9050	0.11	0.05	0.00	0.08	0.00	0.00	0.13	0.37	0.14	0.05	0.00	0.08	0.00	0.00	0.18	0.45
9055	3.87	1.64	0.00	0.20	0.00	0.00	4.32	10.03	4.84	1.68	0.00	0.20	0.00	0.00	6.08	12.80
9060	43.38	19.57	21.78	5.23	0.00	0.00	50.86	140.82	52.06	19.89	28.69	6.89	0.00	0.00	67.81	175.34
9065	5.72	2.43	0.00	0.40	0.00	0.00	6.39	14.94	7.15	2.48	0.00	0.40	0.00	0.00	8.98	19.01
9070	6.22	2.64	0.00	0.42	0.00	0.00	6.95	16.23	7.78	2.70	0.00	0.42	0.00	0.00	9.77	20.67
9080	3.30	1.56	1.78	0.64	0.00	0.00	5.45	12.73	4.12	1.59	2.35	0.85	0.00	0.00	7.43	16.34
9085	3.95	1.87	2.21	0.79	0.00	0.00	6.52	15.34	4.93	1.90	2.91	1.05	0.00	0.00	8.89	19.68
9090	4.24	2.00	2.49	0.90	0.00	0.00	7.00	16.63	5.30	2.04	3.28	1.18	0.00	0.00	9.55	21.35
9095	0.71	0.30	0.00	0.08	0.00	0.00	0.79	1.88	0.89	0.31	0.00	0.08	0.00	0.00	1.11	2.39
9100	0.71	0.30	0.00	0.05	0.00	0.00	0.79	1.85	0.88	0.31	0.00	0.05	0.00	0.00	1.11	2.35
9105	5.66	2.67	3.03	1.09	0.00	0.00	9.35	21.80	7.07	2.73	3.99	1.44	0.00	0.00	12.75	27.98
9110	5.92	2.80	3.45	1.24	0.00	0.00	9.78	23.19	7.40	2.85	4.55	1.64	0.00	0.00	13.34	29.78
9115	0.79	0.33	0.00	0.08	0.00	0.00	0.88	2.08	0.99	0.34	0.00	0.08	0.00	0.00	1.24	2.65
9120	0.96	0.41	0.00	0.05	0.00	0.00	1.08	2.50	1.21	0.42	0.00	0.05	0.00	0.00	1.51	3.19
9125	7.90	3.74	4.24	1.53	0.00	0.00	13.06	30.47	9.88	3.81	5.59	2.01	0.00	0.00	17.81	39.10
9130	1.21	0.51	0.00	0.08	0.00	0.00	1.35	3.15	1.51	0.52	0.00	0.08	0.00	0.00	1.89	4.00
9135	1.21	0.51	0.00	0.05	0.00	0.00	1.35	3.12	1.51	0.52	0.00	0.05	0.00	0.00	1.89	3.97
9140	11.84	5.60	6.31	2.27	0.00	0.00	19.57	45.59	14.80	5.71	8.31	2.99	0.00	0.00	26.69	58.50
9145	1.29	0.55	0.00	0.08	0.00	0.00	1.44	3.36	1.61	0.56	0.00	0.08	0.00	0.00	2.02	4.27
9150	1.35	0.57	0.00	0.08	0.00	0.00	1.51	3.51	1.69	0.59	0.00	0.08	0.00	0.00	2.12	4.48
9155	1.83	0.78	0.00	0.05	0.00	0.00	2.04	4.70	2.29	0.79	0.00	0.05	0.00	0.00	2.88	6.01
9160	19.11	8.10	8.49	2.38	0.00	0.00	24.00	62.08	23.89	8.28	11.18	3.13	0.00	0.00	33.33	79.81
9165	2.55	1.08	0.00	0.12	0.00	0.00	2.85	6.60	3.19	1.11	0.00	0.12	0.00	0.00	4.01	8.43
9170	2.59	1.10	0.00	0.10	0.00	0.00	2.89	6.68	3.24	1.12	0.00	0.10	0.00	0.00	4.06	8.52
9175	24.62	11.10	12.87	3.09	0.00	0.00	28.86	80.54	29.54	11.29	16.95	4.07	0.00	0.00	38.48	100.33
9180	3.86	1.64	0.00	0.22	0.00	0.00	4.31	10.03	4.83	1.67	0.00	0.22	0.00	0.00	6.06	12.78
9185	3.95	1.68	0.00	0.25	0.00	0.00	4.41	10.29	4.94	1.71	0.00	0.25	0.00	0.00	6.20	13.10
9190	2.47	1.05	0.00	0.12	0.00	0.00	2.75	6.39	3.08	1.07	0.00	0.12	0.00	0.00	3.87	8.14
9195	33.11	14.93	14.85	3.56	0.00	0.00	38.82	105.27	39.73	15.18	19.56	4.69	0.00	0.00	51.76	130.92
9200	4.44	1.88	0.00	0.26	0.00	0.00	4.96	11.54	5.55	1.93	0.00	0.26	0.00	0.00	6.97	14.71
9205	5.09	2.16	0.00	0.25	0.00	0.00	5.68	13.18	6.36	2.20	0.00	0.25	0.00	0.00	7.98	16.79
9210	2.84	1.20	0.00	0.12	0.00	0.00	3.17	7.33	3.55	1.23	0.00	0.12	0.00	0.00	4.46	9.36
9220	3.58	1.69	1.84	0.66	0.00	0.00	5.92	13.69	4.48	1.73	2.42	0.87	0.00	0.00	8.08	17.58
9225	4.58	2.16	2.21	0.79	0.00	0.00	7.56	17.30	5.72	2.21	2.91	1.05	0.00	0.00	10.31	22.20
9230	6.85	3.24	3.11	1.12	0.00	0.00	11.32	25.64	8.56	3.30	4.10	1.48	0.00	0.00	15.44	32.88
9235	8.44	3.99	3.96	1.43	0.00	0.00	13.95	31.77	10.56	4.07	5.22	1.88	0.00	0.00	19.03	40.76
9240	0.98	0.42	0.00	0.05	0.00	0.00	1.10	2.55	1.23	0.43	0.00	0.05	0.00	0.00	1.55	3.26
9245	1.11	0.47	0.00	0.05	0.00	0.00	1.24	2.87	1.39	0.48	0.00	0.05	0.00	0.00	1.74	3.66
9250	13.06	6.17	5.94	2.14	0.00	0.00	21.58	48.89	16.32	6.29	7.82	2.82	0.00	0.00	29.42	62.67
9255	1.74	0.74	0.00	0.05	0.00	0.00	1.94	4.47	2.18	0.75	0.00	0.05	0.00	0.00	2.73	5.71
9260	1.18	0.50	0.00	0.05	0.00	0.00	1.31	3.04	1.47	0.51	0.00	0.05	0.00	0.00	1.85	3.88
9265	18.03	7.65	9.05	2.53	0.00	0.00	22.65	59.91	22.54	7.82	11.92	3.34	0.00	0.00	31.45	77.07

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	2.15	0.91	0.00	0.10	0.00	0.00	2.40	5.56	2.68	0.93	0.00	0.10	0.00	0.00	3.37	7.08
9275	1.77	0.75	0.00	0.12	0.00	0.00	1.98	4.62	2.22	0.77	0.00	0.12	0.00	0.00	2.78	5.89
9280	0.74	0.32	0.00	0.08	0.00	0.00	0.83	1.97	0.93	0.32	0.00	0.08	0.00	0.00	1.17	2.50
9285	0.43	0.18	0.00	0.13	0.00	0.00	0.48	1.22	0.54	0.19	0.00	0.13	0.00	0.00	0.68	1.54
9290	0.07	0.03	0.00	0.08	0.00	0.00	0.08	0.26	0.08	0.03	0.00	0.08	0.00	0.00	0.11	0.30
9300	2.55	1.20	1.19	0.43	0.00	0.00	4.21	9.58	3.18	1.23	1.56	0.56	0.00	0.00	5.74	12.27
9305	3.37	1.59	1.98	0.71	0.00	0.00	5.56	13.21	4.21	1.62	2.61	0.94	0.00	0.00	7.58	16.96
9310	3.98	1.88	2.21	0.79	0.00	0.00	6.58	15.44	4.97	1.92	2.91	1.05	0.00	0.00	8.97	19.82
9315	6.18	2.92	3.39	1.22	0.00	0.00	10.21	23.92	7.72	2.98	4.47	1.61	0.00	0.00	13.93	30.71
9320	6.45	3.05	3.39	1.22	0.00	0.00	10.66	24.77	8.06	3.11	4.47	1.61	0.00	0.00	14.54	31.79
9325	8.26	3.91	4.67	1.68	0.00	0.00	13.66	32.18	10.33	3.98	6.15	2.21	0.00	0.00	18.62	41.29
9330	9.23	4.36	4.67	1.68	0.00	0.00	15.25	35.19	11.54	4.45	6.15	2.21	0.00	0.00	20.80	45.15
9340	2.91	1.37	1.87	0.67	0.00	0.00	4.80	11.62	3.63	1.40	2.46	0.89	0.00	0.00	6.55	14.93
9345	0.51	0.21	0.00	0.15	0.00	0.00	0.57	1.44	0.63	0.22	0.00	0.15	0.00	0.00	0.80	1.80
9350	4.38	2.07	2.55	0.92	0.00	0.00	7.24	17.16	5.47	2.11	3.35	1.21	0.00	0.00	9.87	22.01
9355	0.55	0.23	0.00	0.15	0.00	0.00	0.61	1.54	0.69	0.24	0.00	0.15	0.00	0.00	0.86	1.94
9360	6.74	3.19	3.51	1.26	0.00	0.00	11.15	25.85	8.43	3.25	4.62	1.66	0.00	0.00	15.20	33.16
9365	0.60	0.26	0.00	0.15	0.00	0.00	0.67	1.68	0.76	0.26	0.00	0.15	0.00	0.00	0.95	2.12
9370	9.48	4.48	4.67	1.68	0.00	0.00	15.66	35.97	11.85	4.57	6.15	2.21	0.00	0.00	21.36	46.14
9375	0.79	0.33	0.00	0.15	0.00	0.00	0.88	2.15	0.99	0.34	0.00	0.15	0.00	0.00	1.24	2.72
9380	13.30	6.29	6.22	2.24	0.00	0.00	21.97	50.02	16.62	6.41	8.20	2.95	0.00	0.00	29.96	64.14
9385	1.23	0.52	0.00	0.18	0.00	0.00	1.38	3.31	1.54	0.54	0.00	0.18	0.00	0.00	1.94	4.20
9390	1.32	0.56	0.00	0.20	0.00	0.00	1.47	3.55	1.65	0.57	0.00	0.20	0.00	0.00	2.07	4.49
9395	20.00	8.48	9.05	2.53	0.00	0.00	25.12	65.18	25.00	8.67	11.92	3.34	0.00	0.00	34.88	83.81
9400	1.69	0.72	0.00	0.34	0.00	0.00	1.89	4.64	2.12	0.73	0.00	0.34	0.00	0.00	2.66	5.85
9405	1.79	0.76	0.00	0.34	0.00	0.00	2.00	4.89	2.24	0.78	0.00	0.34	0.00	0.00	2.81	6.17
9410	25.67	10.89	11.60	3.25	0.00	0.00	32.24	83.65	32.09	11.13	15.28	4.28	0.00	0.00	44.78	107.56
9415	2.30	0.98	0.00	0.40	0.00	0.00	2.57	6.25	2.88	1.00	0.00	0.40	0.00	0.00	3.62	7.90
9420	2.10	0.89	0.00	0.58	0.00	0.00	2.34	5.91	2.62	0.91	0.00	0.58	0.00	0.00	3.29	7.40
9425	37.15	16.76	17.54	4.21	0.00	0.00	43.56	119.22	44.58	17.03	23.10	5.54	0.00	0.00	58.07	148.32
9430	5.54	2.35	0.00	0.64	0.00	0.00	6.18	14.71	6.92	2.40	0.00	0.64	0.00	0.00	8.69	18.65
9435	5.20	2.21	0.00	0.61	0.00	0.00	5.81	13.83	6.50	2.26	0.00	0.61	0.00	0.00	8.17	17.54
9440	4.87	2.07	0.00	0.59	0.00	0.00	5.44	12.97	6.09	2.11	0.00	0.59	0.00	0.00	7.64	16.43
9450	11.59	5.48	5.80	2.09	0.00	0.00	19.15	44.11	14.49	5.59	7.64	2.75	0.00	0.00	26.11	56.58
9455	1.22	0.52	0.00	0.05	0.00	0.00	1.36	3.15	1.53	0.53	0.00	0.05	0.00	0.00	1.92	4.03
9460	1.37	0.58	0.00	0.05	0.00	0.00	1.53	3.53	1.71	0.59	0.00	0.05	0.00	0.00	2.15	4.50
9465	1.40	0.59	0.00	0.05	0.00	0.00	1.56	3.60	1.75	0.61	0.00	0.05	0.00	0.00	2.20	4.61
9470	14.55	6.17	7.36	2.06	0.00	0.00	18.27	48.41	18.18	6.30	9.69	2.71	0.00	0.00	25.37	62.25
9475	1.73	0.73	0.00	0.05	0.00	0.00	1.93	4.44	2.16	0.75	0.00	0.05	0.00	0.00	2.71	5.67
9480	2.27	0.96	0.00	0.05	0.00	0.00	2.53	5.81	2.83	0.98	0.00	0.05	0.00	0.00	3.56	7.42
9485	1.89	0.80	0.00	0.05	0.00	0.00	2.11	4.85	2.36	0.82	0.00	0.05	0.00	0.00	2.96	6.19
9490	19.40	8.23	9.90	2.77	0.00	0.00	24.36	64.66	24.24	8.41	13.04	3.65	0.00	0.00	33.83	83.17
9495	2.26	0.96	0.00	0.12	0.00	0.00	2.52	5.86	2.82	0.98	0.00	0.12	0.00	0.00	3.54	7.46
9500	2.47	1.05	0.00	0.13	0.00	0.00	2.76	6.41	3.09	1.07	0.00	0.13	0.00	0.00	3.88	8.17
9505	2.16	0.92	0.00	0.11	0.00	0.00	2.41	5.60	2.70	0.94	0.00	0.11	0.00	0.00	3.39	7.14
9510	0.09	0.04	0.00	0.05	0.00	0.00	0.10	0.28	0.11	0.04	0.00	0.05	0.00	0.00	0.14	0.34
9515	0.58	0.25	0.00	0.11	0.00	0.00	0.65	1.59	0.72	0.25	0.00	0.11	0.00	0.00	0.91	1.99
9530	13.33	5.24	5.51	1.54	2.46	0.37	9.78	38.23	16.66	5.37	7.24	2.03	5.16	0.77	13.25	50.48
9535	18.69	7.61	8.13	2.28	6.12	0.92	13.80	57.55	23.36	7.79	10.69	2.99	12.82	1.92	18.68	78.25
9540	27.37	11.27	11.80	3.30	7.32	1.10	20.24	82.40	34.21	11.54	15.52	4.35	15.34	2.30	27.41	110.67
9550	19.79	8.10	7.92	2.22	6.90	1.04	14.63	60.60	24.74	8.30	10.42	2.92	14.46	2.17	19.81	82.82
9555	33.31	13.71	15.00	4.20	8.92	1.34	24.64	101.12	41.63	14.05	19.73	5.53	18.68	2.80	33.37	135.79
9570	1.57	0.62	1.63	0.46	0.24	0.04	1.15	5.71	1.96	0.63	2.14	0.60	0.49	0.07	1.56	7.45
9575	1.26	0.51	1.31	0.37	0.30	0.04	0.93	4.72	1.58	0.52	1.72	0.48	0.62	0.09	1.26	6.27
9580	1.39	0.56	1.63	0.46	0.32	0.05	1.02	5.43	1.74	0.57	2.14	0.60	0.66	0.10	1.39	7.20

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
9585	1.73	0.68	2.18	0.61	0.29	0.04	1.27	6.80	2.16	0.70	2.86	0.80	0.61	0.09	1.72	8.94
9600	0.26	0.11	0.52	0.14	0.04	0.01	0.30	1.38	0.32	0.12	0.67	0.19	0.05	0.01	0.41	1.77
9605	1.10	0.46	1.03	0.29	0.05	0.01	1.25	4.19	1.38	0.47	1.35	0.38	0.07	0.01	1.74	5.40
9610	1.53	0.64	1.61	0.45	0.07	0.01	1.74	6.05	1.91	0.65	2.09	0.59	0.10	0.02	2.42	7.78
9615	2.76	1.17	1.68	0.47	0.21	0.03	3.15	9.47	3.45	1.19	2.21	0.62	0.30	0.05	4.37	12.19
9620	5.69	2.39	2.75	0.77	0.34	0.05	6.49	18.48	7.11	2.45	3.62	1.01	0.49	0.07	9.01	23.76
9630	1.88	0.79	0.63	0.18	0.07	0.01	2.14	5.70	2.36	0.80	0.83	0.23	0.10	0.02	2.98	7.32
9635	3.67	1.54	1.15	0.32	0.21	0.03	4.19	11.11	4.59	1.58	1.52	0.43	0.30	0.05	5.81	14.28
9640	4.07	1.71	1.44	0.40	0.21	0.03	4.63	12.49	5.08	1.74	1.90	0.53	0.30	0.05	6.44	16.04
9645	6.56	2.70	2.96	0.83	0.00	0.00	7.45	20.50	8.21	2.76	3.90	1.09	0.00	0.00	10.34	26.30
9650	12.91	5.30	4.59	1.28	0.00	0.00	14.65	38.73	16.14	5.42	6.04	1.69	0.00	0.00	20.35	49.64
9665	11.65	4.78	2.62	0.73	0.00	0.00	13.22	33.00	14.56	4.89	3.45	0.97	0.00	0.00	18.36	42.23
9670	16.92	6.95	4.20	1.17	0.00	0.00	19.20	48.44	21.15	7.10	5.52	1.55	0.00	0.00	26.66	61.98
9675	22.24	9.13	4.20	1.17	0.00	0.00	25.23	61.97	27.80	9.34	5.52	1.55	0.00	0.00	35.05	79.26
9685	8.40	3.45	1.76	0.49	0.00	0.00	9.53	23.63	10.50	3.53	2.31	0.65	0.00	0.00	13.24	30.23
9690	9.08	3.73	1.76	0.49	0.00	0.00	10.30	25.36	11.35	3.81	2.31	0.65	0.00	0.00	14.31	32.43
9695	9.40	3.86	1.76	0.49	0.00	0.00	10.66	26.17	11.75	3.95	2.31	0.65	0.00	0.00	14.81	33.47
9700	11.73	4.82	2.67	0.75	0.00	0.00	13.31	33.28	14.67	4.93	3.52	0.99	0.00	0.00	18.49	42.60
9705	21.91	8.99	4.59	1.28	0.00	0.00	24.85	61.62	27.38	9.20	6.04	1.69	0.00	0.00	34.52	78.83
9720	1.08	0.32	1.79	0.50	0.13	0.02	1.03	4.87	1.30	0.33	2.38	0.67	0.16	0.02	1.41	6.27
9725	1.35	0.40	1.79	0.50	0.15	0.02	1.29	5.50	1.62	0.41	2.38	0.67	0.20	0.03	1.77	7.08
9730	1.18	0.36	1.79	0.50	0.17	0.03	1.13	5.16	1.42	0.36	2.38	0.67	0.21	0.03	1.55	6.62
9735	1.40	0.42	1.79	0.50	0.20	0.03	1.34	5.68	1.68	0.43	2.38	0.67	0.26	0.04	1.84	7.30
9740	1.24	0.38	1.79	0.50	0.27	0.04	1.19	5.41	1.49	0.39	2.38	0.67	0.34	0.05	1.64	6.96
9745	1.88	0.75	5.48	1.64	0.45	0.07	1.55	11.82	2.50	0.77	7.05	2.11	0.57	0.09	2.41	15.50
9750	2.05	0.81	3.20	0.83	0.45	0.07	1.69	9.10	2.73	0.84	4.15	1.08	0.57	0.09	2.62	12.08
9755	1.96	0.78	5.48	1.64	0.45	0.07	1.62	12.00	2.61	0.80	7.05	2.11	0.57	0.09	2.51	15.74
9760	2.40	0.94	3.20	0.83	0.45	0.07	1.97	9.86	3.20	0.97	4.15	1.08	0.57	0.09	3.07	13.13
9765	2.41	0.95	6.49	1.95	0.52	0.08	1.99	14.39	3.22	0.98	8.34	2.50	0.66	0.10	3.09	18.89
9770	3.27	1.31	3.95	1.03	0.89	0.13	2.70	13.28	4.36	1.35	5.13	1.33	1.14	0.17	4.21	17.69
9775	3.44	1.24	10.09	3.23	0.91	0.14	2.65	21.70	4.58	1.29	13.00	4.16	1.17	0.18	4.12	28.50
9780	5.76	2.04	6.77	1.90	1.11	0.17	4.42	22.17	7.67	2.12	8.80	2.46	1.44	0.22	6.87	29.58
9785	5.59	1.99	6.77	1.90	1.15	0.17	4.29	21.86	7.45	2.07	8.80	2.46	1.48	0.22	6.68	29.16
9790	5.66	2.02	6.77	1.90	1.15	0.17	4.35	22.02	7.55	2.09	8.80	2.46	1.48	0.22	6.76	29.36
9795	5.53	1.97	4.93	1.38	1.15	0.17	4.24	19.37	7.37	2.05	6.42	1.80	1.48	0.22	6.60	25.94
9800	7.87	2.80	9.87	2.76	1.56	0.23	6.04	31.13	10.50	2.90	12.83	3.59	2.02	0.30	9.40	41.54
9805	7.71	2.76	6.74	1.89	1.67	0.25	5.93	26.95	10.28	2.86	8.76	2.45	2.15	0.32	9.22	36.04
9810	7.40	2.66	9.87	2.76	1.67	0.25	5.69	30.30	9.87	2.75	12.83	3.59	2.15	0.32	8.86	40.37
9815	9.10	3.20	11.28	3.16	1.39	0.21	6.96	35.30	12.13	3.31	14.66	4.11	1.80	0.27	10.83	47.11
9825	1.05	0.32	1.20	0.34	0.14	0.02	1.01	4.08	1.26	0.32	1.60	0.45	0.18	0.03	1.38	5.22
9830	1.27	0.38	1.20	0.34	0.14	0.02	1.21	4.56	1.52	0.39	1.60	0.45	0.18	0.03	1.66	5.83
9835	1.18	0.35	2.15	0.60	0.14	0.02	1.12	5.56	1.41	0.36	2.87	0.80	0.18	0.03	1.54	7.19
9840	1.67	0.49	2.15	0.60	0.14	0.02	1.59	6.66	2.00	0.51	2.87	0.80	0.18	0.03	2.18	8.57
9845	1.90	0.56	2.15	0.60	0.16	0.02	1.81	7.20	2.28	0.57	2.87	0.80	0.21	0.03	2.48	9.24
9850	1.38	0.41	2.15	0.60	0.14	0.02	1.32	6.02	1.66	0.42	2.87	0.80	0.18	0.03	1.81	7.77
9855	1.61	0.48	2.15	0.60	0.17	0.03	1.53	6.57	1.93	0.49	2.87	0.80	0.22	0.03	2.10	8.44
9860	1.59	0.48	2.15	0.60	0.28	0.04	1.53	6.67	1.91	0.49	2.87	0.80	0.35	0.05	2.10	8.57
9865	1.85	0.74	4.96	1.49	0.45	0.07	1.53	11.09	2.47	0.76	6.38	1.91	0.57	0.09	2.38	14.56
9870	2.20	0.87	4.96	1.49	0.45	0.07	1.81	11.85	2.93	0.90	6.38	1.91	0.57	0.09	2.82	15.60
9875	2.71	1.05	3.10	0.81	0.45	0.07	2.22	10.41	3.61	1.09	4.03	1.05	0.57	0.09	3.46	13.90
9880	2.18	0.87	6.39	1.92	0.52	0.08	1.80	13.76	2.91	0.90	8.22	2.47	0.66	0.10	2.80	18.06
9885	2.49	1.00	3.10	0.81	0.65	0.10	2.06	10.21	3.32	1.03	4.03	1.05	0.83	0.12	3.21	13.59
9890	3.43	1.26	9.59	3.07	1.14	0.17	2.65	21.31	4.57	1.31	12.36	3.95	1.47	0.22	4.12	28.00
9895	4.30	1.56	5.78	1.62	1.14	0.17	3.31	17.88	5.73	1.61	7.52	2.10	1.47	0.22	5.15	23.80
9900	4.44	1.58	5.02	1.41	0.90	0.13	3.41	16.89	5.92	1.64	6.53	1.83	1.15	0.17	5.30	22.54

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
9905	5.24	1.87	4.93	1.38	1.14	0.17	4.02	18.75	6.98	1.94	6.42	1.80	1.47	0.22	6.26	25.09
9910	5.99	2.32	5.72	1.49	0.89	0.13	4.91	21.45	7.98	2.40	7.43	1.93	1.12	0.17	7.64	28.67
9915	7.30	2.56	8.57	2.40	1.14	0.17	5.59	27.73	9.73	2.66	11.14	3.12	1.47	0.22	8.69	37.03
9920	7.28	2.60	8.57	2.40	1.48	0.22	5.59	28.14	9.71	2.69	11.14	3.12	1.88	0.28	8.70	37.52
9925	7.33	2.63	8.66	2.42	1.64	0.25	5.63	28.56	9.77	2.73	11.25	3.15	2.09	0.31	8.76	38.06
9935	1.74	0.68	2.91	0.76	0.33	0.05	1.43	7.90	2.32	0.70	3.79	0.98	0.41	0.06	2.23	10.49
9940	1.54	0.61	4.48	1.34	0.33	0.05	1.27	9.62	2.05	0.63	5.76	1.73	0.41	0.06	1.97	12.61
9945	2.26	0.88	3.10	0.81	0.33	0.05	1.86	9.29	3.02	0.91	4.03	1.05	0.41	0.06	2.89	12.37
9950	2.84	1.10	3.38	0.88	0.45	0.07	2.33	11.05	3.79	1.14	4.40	1.14	0.57	0.09	3.63	14.76
9955	4.77	1.72	5.92	1.66	1.14	0.17	3.67	19.05	6.36	1.78	7.70	2.16	1.47	0.22	5.71	25.40
9960	6.42	2.27	6.49	1.82	1.14	0.17	4.92	23.23	8.56	2.35	8.43	2.36	1.47	0.22	7.66	31.05
9965	6.76	2.38	8.46	2.37	1.14	0.17	5.18	26.46	9.01	2.47	11.00	3.08	1.47	0.22	8.05	35.30
9970	6.57	2.32	5.92	1.66	1.14	0.17	5.03	22.81	8.76	2.41	7.70	2.16	1.47	0.22	7.83	30.55
9975	6.88	2.43	6.49	1.82	1.14	0.17	5.27	24.20	9.17	2.51	8.43	2.36	1.47	0.22	8.20	32.36
9985	7.92	2.79	8.46	2.37	1.27	0.19	6.06	29.06	10.56	2.89	11.00	3.08	1.63	0.25	9.43	38.84
9990	7.63	2.69	8.46	2.37	1.27	0.19	5.84	28.45	10.17	2.79	11.00	3.08	1.63	0.25	9.09	38.01
9995	7.85	2.77	7.61	2.13	1.27	0.19	6.01	27.83	10.47	2.87	9.90	2.77	1.63	0.25	9.36	37.25
10055	6.90	2.47	8.46	2.37	1.60	0.24	5.30	27.34	9.20	2.56	11.00	3.08	2.10	0.31	8.24	36.49
10060	7.52	2.65	8.46	2.37	1.27	0.19	5.76	28.22	10.03	2.75	11.00	3.08	1.63	0.25	8.96	37.70
10065	7.23	2.56	8.46	2.37	1.27	0.19	5.54	27.62	9.64	2.65	11.00	3.08	1.63	0.25	8.62	36.87
10070	9.27	3.24	9.87	2.76	1.27	0.19	7.09	33.69	12.37	3.36	12.83	3.59	1.63	0.25	11.03	45.06
10085	2.65	0.90	0.00	0.10	0.00	0.00	2.40	6.05								
10090	3.18	1.08	0.00	0.10	0.00	0.00	2.88	7.24								
10095	4.93	1.67	0.00	0.10	0.00	0.00	4.46	11.16								
10100	6.09	2.06	0.00	0.10	0.00	0.00	5.52	13.77								
10105	6.74	2.28	0.00	0.10	0.00	0.00	6.10	15.22								
10115	0.63	0.21	0.00	0.09	0.00	0.00	0.57	1.50	0.84	0.22	0.00	0.09	0.00	0.00	0.87	2.02
10120	1.00	0.34	0.00	0.09	0.00	0.00	0.91	2.34	1.33	0.35	0.00	0.09	0.00	0.00	1.38	3.15
10125	1.01	0.34	0.00	0.09	0.00	0.00	0.92	2.36	1.35	0.36	0.00	0.09	0.00	0.00	1.40	3.20
10130	1.03	0.35	0.00	0.09	0.00	0.00	0.93	2.40	1.37	0.36	0.00	0.09	0.00	0.00	1.42	3.24
10140	0.20	0.07	0.00	0.00	0.00	0.00	0.18	0.45								
10145	0.21	0.07	0.00	0.00	0.00	0.00	0.19	0.47								
10150	0.23	0.08	0.00	0.00	0.00	0.00	0.21	0.52								
10155	0.27	0.09	0.00	0.00	0.00	0.00	0.25	0.61								
10160	0.30	0.10	0.00	0.00	0.00	0.00	0.27	0.67								
10165	0.28	0.10	0.00	0.00	0.00	0.00	0.26	0.64								
10175	0.24	0.08	0.00	0.09	0.00	0.00	0.22	0.63								
10180	0.28	0.10	0.00	0.09	0.00	0.00	0.26	0.73								
10185	0.78	0.26	0.00	0.09	0.00	0.00	0.71	1.84								
10190	0.88	0.30	0.00	0.09	0.00	0.00	0.80	2.07								
10200	2.75	0.93	0.00	0.13	0.00	0.00	2.49	6.30								
10205	2.79	0.94	0.00	0.13	0.00	0.00	2.53	6.39								
10210	2.82	0.95	0.00	0.13	0.00	0.00	2.55	6.45								
10215	2.86	0.97	0.00	0.13	0.00	0.00	2.59	6.55								
10225	1.22	0.41	0.00	0.00	0.00	0.00	1.11	2.74								
10230	1.29	0.44	0.00	0.00	0.00	0.00	1.17	2.90								
10235	1.37	0.46	0.00	0.00	0.00	0.00	1.24	3.07								
10250	2.07	0.86	0.00	0.09	0.56	0.08	1.53	5.19	2.59	0.88	0.00	0.09	0.68	0.10	2.24	6.58
10255	2.50	1.02	0.00	0.09	0.56	0.08	1.84	6.09	3.12	1.04	0.00	0.09	0.68	0.10	2.69	7.72
10260	2.52	1.03	0.00	0.09	0.56	0.08	1.86	6.14	3.15	1.05	0.00	0.09	0.68	0.10	2.72	7.79
10265	2.96	1.22	0.00	0.09	0.80	0.12	2.19	7.38	3.70	1.25	0.00	0.09	0.96	0.14	3.19	9.33
10270	3.60	1.45	0.00	0.09	0.68	0.10	2.65	8.57	4.50	1.48	0.00	0.09	0.82	0.12	3.86	10.87
10275	7.23	3.06	0.00	0.09	2.39	0.36	5.37	18.50	9.04	3.13	0.00	0.09	2.88	0.43	7.83	23.40
10280	7.98	3.40	0.00	0.09	2.81	0.42	5.94	20.64	9.98	3.48	0.00	0.09	3.39	0.51	8.66	26.11
10290	2.82	1.14	0.00	0.09	0.56	0.08	2.08	6.77	3.53	1.17	0.00	0.09	0.68	0.10	3.03	8.60

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
10300	1.27	0.75	0.00	0.09	0.51	0.08	0.99	3.69								
10305	1.42	0.83	0.00	0.09	0.55	0.08	1.10	4.07								
10310	1.56	0.90	0.00	0.09	0.56	0.08	1.21	4.40								
10315	1.75	1.04	0.00	0.13	0.76	0.11	1.37	5.16								
10320	1.82	1.08	0.00	0.13	0.82	0.12	1.43	5.40								
10325	2.13	1.25	0.00	0.13	0.84	0.13	1.66	6.14								
10330	2.21	1.35	0.00	0.13	1.15	0.17	1.75	6.76								
10335	2.78	1.64	0.00	0.13	1.15	0.17	2.17	8.04								
10340	2.87	1.69	0.00	0.13	1.15	0.17	2.25	8.26								
10345	3.35	1.93	0.00	0.17	1.12	0.17	2.60	9.34								
10350	3.55	2.07	0.00	0.17	1.37	0.21	2.77	10.14								
10355	3.97	2.32	0.00	0.17	1.53	0.23	3.10	11.32								
10360	4.46	2.69	0.00	0.17	2.18	0.33	3.52	13.35								
10365	1.04	0.64	0.00	0.09	0.56	0.08	0.83	3.24								
10375	0.97	0.60	0.00	0.09	0.56	0.08	0.77	3.07								
10385	1.25	0.75	0.00	0.11	0.56	0.08	0.98	3.73								
10390	1.26	0.75	0.00	0.11	0.56	0.08	0.99	3.75								
10400	0.63	0.40	0.00	0.10	0.38	0.06	0.51	2.08								
10405	0.71	0.45	0.00	0.10	0.47	0.07	0.57	2.37								
10410	0.78	0.49	0.00	0.10	0.51	0.08	0.63	2.59								
10420	2.06	1.05	1.65	0.46	0.20	0.03	1.34	6.79								
10425	2.09	1.11	1.65	0.46	0.41	0.06	1.38	7.16								
10430	2.19	1.16	1.65	0.46	0.41	0.06	1.44	7.37								
10445	19.19	9.05	7.45	2.53	5.70	0.85	14.33	59.10	23.03	9.20	9.63	3.27	9.50	1.42	20.06	76.11
10450	26.53	12.68	10.76	3.66	9.81	1.47	19.86	84.77	31.84	12.89	13.90	4.73	16.35	2.45	27.80	109.96
10455	37.00	18.11	14.41	4.90	13.11	1.97	27.81	117.31	44.40	18.41	18.61	6.33	21.86	3.28	38.93	151.82
10460	16.93	8.04	7.45	2.53	5.70	0.85	12.66	54.16	20.32	8.18	9.63	3.27	9.50	1.42	17.72	70.04
10465	24.34	11.94	10.76	3.66	12.37	1.86	18.30	83.23	29.21	12.13	13.90	4.73	20.62	3.09	25.62	109.30
10470	31.43	15.93	14.41	4.90	15.51	2.33	23.77	108.28	37.72	16.20	18.61	6.33	25.85	3.88	33.28	141.87
10480	13.19	6.33	4.31	1.46	4.64	0.70	9.88	40.51	15.83	6.44	5.56	1.89	7.62	1.14	13.83	52.31
10485	17.20	8.11	4.31	1.46	4.64	0.70	12.84	49.26	20.64	8.25	5.56	1.89	7.62	1.14	17.98	63.08
10490	16.31	7.96	4.31	1.46	6.29	0.94	12.25	49.52	19.58	8.09	5.56	1.89	10.12	1.52	17.15	63.91
10495	19.65	9.44	6.38	2.17	6.29	0.94	14.72	59.59	23.58	9.60	8.24	2.80	10.12	1.52	20.61	76.47
10500	22.67	10.80	7.62	2.59	7.12	1.07	16.96	68.83	27.20	10.98	9.84	3.35	11.69	1.75	23.74	88.55
10505	26.50	12.86	7.62	2.59	9.66	1.45	19.89	80.57	31.80	13.08	9.84	3.35	15.53	2.33	27.84	103.77
10515	12.85	6.08	3.54	1.20	2.87	0.43	9.60	36.57	15.42	6.18	4.58	1.56	4.79	0.72	13.44	46.69
10520	20.49	9.62	7.45	2.53	5.70	0.85	15.29	61.93	24.59	9.78	9.63	3.27	9.50	1.42	21.41	79.60
10525	26.53	12.68	10.07	3.42	9.81	1.47	19.86	83.84	31.83	12.89	13.01	4.42	16.35	2.45	27.80	108.75
10530	34.77	16.94	10.70	3.64	11.76	1.76	26.11	105.68	41.72	17.22	13.82	4.70	19.60	2.94	36.55	136.55
10535	35.50	17.44	12.50	4.25	13.11	1.97	26.69	111.46	42.60	17.73	16.15	5.49	21.86	3.28	37.37	144.48
10545	11.50	5.40	3.56	1.21	3.13	0.47	8.58	33.85	13.81	5.49	4.60	1.56	5.22	0.78	12.02	43.48
10550	16.69	7.86	5.32	1.81	4.91	0.74	12.46	49.79	20.02	7.99	6.87	2.33	8.19	1.23	17.44	64.07
10555	19.85	9.67	8.16	2.78	9.34	1.40	14.91	66.11	23.82	9.83	10.55	3.59	15.57	2.33	20.87	86.56
10560	26.82	13.04	10.33	3.51	12.37	1.86	20.13	88.06	32.18	13.26	13.35	4.54	20.62	3.09	28.19	115.23
10565	39.55	19.24	13.91	4.73	13.11	1.97	29.69	122.20	47.46	19.56	17.97	6.11	21.86	3.28	41.57	157.81
10570	57.89	28.14	18.08	6.15	19.03	2.86	43.45	175.60	69.47	28.61	23.36	7.94	31.73	4.76	60.84	226.71
10580	20.33	9.55	6.96	2.36	5.70	0.85	15.17	60.92	24.40	9.71	8.98	3.05	9.50	1.42	21.24	78.30
10585	28.68	13.64	9.54	3.24	9.81	1.47	21.45	87.83	34.42	13.87	12.32	4.19	16.35	2.45	30.03	113.63
10590	30.42	14.64	10.63	3.61	12.37	1.86	22.80	96.33	36.51	14.88	13.73	4.67	20.62	3.09	31.92	125.42
10595	34.25	16.61	11.24	3.82	10.94	1.64	25.70	104.20	41.10	16.89	14.52	4.94	18.24	2.74	35.98	134.41
10600	38.00	18.55	13.55	4.61	13.11	1.97	28.55	118.34	45.61	18.86	17.50	5.95	21.86	3.28	39.97	153.03
10605	45.31	22.55	17.39	5.91	19.03	2.86	34.15	147.20	54.37	22.92	22.46	7.64	31.73	4.76	47.81	191.69
10620	8.45	4.44	3.93	1.26	1.75	0.26	6.77	26.86	10.15	4.51	5.17	1.66	2.35	0.35	8.80	32.99
10625	14.56	7.86	8.65	2.77	4.42	0.66	11.73	50.65	17.47	7.98	11.38	3.64	5.96	0.89	15.25	62.57
10630	20.08	10.91	11.80	3.78	6.58	0.99	16.20	70.34	24.09	11.08	15.52	4.97	8.86	1.33	21.06	86.91

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
10635	20.61	11.18	11.80	3.78	6.58	0.99	16.63	71.57	24.74	11.35	15.52	4.97	8.86	1.33	21.61	88.38
10640	24.80	13.48	14.42	4.61	8.09	1.21	20.01	86.62	29.77	13.68	18.97	6.07	10.89	1.63	26.02	107.03
10645	25.19	13.67	14.42	4.61	8.09	1.21	20.32	87.51	30.23	13.87	18.97	6.07	10.89	1.63	26.41	108.07
10655	14.58	7.87	8.65	2.77	4.42	0.66	11.75	50.70	17.50	7.99	11.38	3.64	5.96	0.89	15.27	62.63
10660	19.82	10.79	11.80	3.78	6.58	0.99	15.99	69.75	23.78	10.95	15.52	4.97	8.86	1.33	20.79	86.20
10665	20.11	10.93	11.80	3.78	6.58	0.99	16.22	70.41	24.13	11.09	15.52	4.97	8.86	1.33	21.09	86.99
10670	25.82	13.97	14.42	4.61	8.09	1.21	20.81	88.93	30.98	14.18	18.97	6.07	10.89	1.63	27.06	109.78
10675	26.23	14.18	14.42	4.61	8.09	1.21	21.14	89.88	31.48	14.39	18.97	6.07	10.89	1.63	27.48	110.91
10690	17.08	8.25	8.65	2.77	6.12	0.92	12.81	56.60	20.50	8.39	11.38	3.64	10.22	1.53	17.93	73.59
10695	24.74	12.15	11.80	3.78	9.86	1.48	18.60	82.41	29.69	12.35	15.52	4.97	15.96	2.39	26.04	106.92
10700	39.09	19.38	17.04	5.45	17.93	2.69	29.44	131.02	46.90	19.71	22.42	7.18	29.39	4.41	41.22	171.23
10710	16.07	7.80	7.26	2.32	5.99	0.90	12.06	52.40	19.28	7.93	9.56	3.06	9.91	1.49	16.88	68.11
10715	27.05	13.14	11.96	3.83	7.63	1.15	20.31	85.07	32.47	13.36	15.73	5.03	12.62	1.89	28.43	109.53
10730	17.70	8.53	8.65	2.77	6.12	0.92	13.27	57.96	21.24	8.67	11.38	3.64	10.22	1.53	18.57	75.25
10735	25.60	12.25	11.80	3.78	8.21	1.23	19.17	82.04	30.72	12.46	15.52	4.97	13.75	2.06	26.83	106.31
10750	0.35	0.10	0.93	0.22	0.04	0.01	0.51	2.16								
10755	0.54	0.15	1.52	0.36	0.04	0.01	0.78	3.40								
10760	0.59	0.16	0.45	0.13	0.04	0.01	0.85	2.23								
10765	0.66	0.18	0.67	0.20	0.04	0.01	0.95	2.71								
10775	4.56	1.21	3.52	0.98	0.04	0.01	6.50	16.82								
10780	6.91	1.83	6.18	1.73	0.04	0.01	9.85	26.55								
10795	1.05	0.52	0.00	0.01	0.00	0.00	0.68	2.26								
10800	1.23	0.60	0.00	0.01	0.00	0.00	0.79	2.63								
10805	1.43	0.70	0.00	0.01	0.00	0.00	0.92	3.06								
10815	1.83	0.94	0.46	0.12	0.20	0.03	1.20	4.78								
10820	2.08	1.06	0.46	0.12	0.20	0.03	1.36	5.31								
10825	2.32	1.18	0.46	0.12	0.20	0.03	1.51	5.82								
10840	0.23	0.09	0.90	0.27	0.00	0.00	0.13	1.62								
10845	0.27	0.10	1.12	0.34	0.00	0.00	0.15	1.98								
10855	0.41	0.18	2.75	0.66	0.02	0.00	0.43	4.45								
10860	0.43	0.19	2.75	0.66	0.02	0.00	0.46	4.51								
10865	0.47	0.20	4.58	1.10	0.02	0.00	0.50	6.87								
10870	0.61	0.26	4.86	1.17	0.02	0.00	0.64	7.56								
10880	0.57	0.24	0.88	0.21	0.02	0.00	0.60	2.52								
10885	0.61	0.26	1.23	0.30	0.02	0.00	0.64	3.06								
10890	0.67	0.29	1.23	0.30	0.05	0.01	0.71	3.26								
10895	0.72	0.31	2.08	0.50	0.05	0.01	0.77	4.44								
10905	0.23	0.09	0.45	0.13	0.00	0.00	0.13	1.03								
10910	0.24	0.09	0.90	0.27	0.00	0.00	0.13	1.63								
10920	0.11	0.04	0.85	0.26	0.00	0.00	0.06	1.32								
10925	0.14	0.05	1.08	0.32	0.00	0.00	0.07	1.66								
10930	0.37	0.14	1.35	0.40	0.00	0.00	0.21	2.47								
10935	0.65	0.24	1.89	0.57	0.00	0.00	0.36	3.71								
10945	0.05	0.02	0.85	0.26	0.00	0.00	0.03	1.21								
10950	0.16	0.06	1.08	0.32	0.00	0.00	0.09	1.71								

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 1988.

5. Caterpillar Performance Handbook, 18th ed, Caterpillar Tractor Company, Peoria, Illinois, 1987.

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., July 1987.

9. "FAR 31.205-10 Cost of Money", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., April 1988.

10. "FAR 31.205-24 Maintenance and Repair Costs", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., September 1987.

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

12. Green Guide for Off-Highway Trucks and Trailers, Dataquest, Inc., Palo Alto, California, 1986, 1987, and 1988.

13. Green Guide Volume I, Dataquest, Inc., Palo Alto, California, 1986, 1987, and 1988.

14. Green Guide Volume II, Dataquest, Inc., Palo Alto, California, 1986, 1987, and 1988.

APPENDIX A

REFERENCES (Cont'd)

15. Means 1988 Labor Rates for the Construction Industry, 11th ed, R. S. Means Company, Inc., Kingston, Massachusetts, 1988.

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 1987.

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:	5.00 %
Working Hours Per Year:	1,500 Hrs/Yr
Labor Adjustment Factor (LAF):	0.980
Electricity Cost Per Kilowatt-Hour:	$ 0.075 /Kw-Hr
Gasoline Cost Per Gallon:	$ 0.870 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	$ 0.690 /Gal.
Diesel Cost Per Gallon (On-Road Use):	$ 0.940 /Gal.

Freight Rates:		0	thru	24,000 lbs.	$ 7.450 /Cwt.
	over	24,000	thru	30,000 lbs.	$ 6.700 /Cwt.
	over	30,000	thru	44,000 lbs.	$ 5.800 /Cwt.
	over	44,000	thru	60,000 lbs.	$ 4.650 /Cwt.
	over	60,000	thru	70,000 lbs.	$ 2.600 /Cwt.
	over	70,000	thru	80,000 lbs.	$ 2.500 /Cwt.
	over	80,000	thru	9999,900 lbs.	$ 2.350 /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	10,000 - 15,000 Hrs.	8,000 - 14,000 Hrs.
Shovels	Gravels, silts, well broken rock, lift less than rated capacity.	Extremely abrasive tough materials, lifting near rated capacity, impact breakout.
Depreciation Period	6,000 - 14,000 Hrs.	5,000 - 12,000 Hrs.
Draglines	Gravels, silts, pull and lift less than rated capacity.	Highly abrasive materials, impact breakout, continuous load near rated capacity.
Depreciation Period	9,000 - 15,000 Hrs.	8,000 - 14,000 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	6,000 - 11,000 Hrs.	5,000 - 9,000 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	8,000 - 9,000 Hrs.	6,000 - 8,000 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	8,000 Hrs.	6,000 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.
Depreciaton Period	8,000 Hrs.	6,000 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	9,000 Hrs.	8,000 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	5,000 - 6,000 Hrs.	4,000 - 5,000 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	8,000 - 9,000 Hrs.	6,000 - 8,000 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	8,000 Hrs.	6,000 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	9,000 Hrs.	8,000 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 HP	E	G	D	CARRIER POWER HP	E	G	D	FOG E	G	D	TIRES F	D	T	RPR
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	15	40	.000	.041	.024	0	.000	.000	.000	0	22	22	0	0	0	75
170		S	16	15	52	.000	.053	.031	0	.000	.000	.000	0	22	22	0	0	0	80
180	OVER 150 TON	A	20	15	40	.000	.041	.024	0	.000	.000	.000	0	24	24	0	0	0	85
180		S	18	15	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 HP	E	G	D	CARRIER POWER HP	E	G	D	FOG E	G	D	TIRES F	D	T	RPR
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	15	50	.000	.051	.030	0	.000	.000	.000	0	24	24	0	0	0	100
196		S	18	15	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	20	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 HP	E	G	D	CARRIER POWER HP	E	G	D	FOG E	G	D	TIRES F	D	T	RPR
	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	.600	.097	.056	0	.000	.000	.000	30	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												
	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
	AGE IN YEARS												
CATEGORY	0	1	2	3	4	5	6	7	8	9	10	11	12
Air Equipment	1781	1729	1720	1733	1683	1695	1668	1563	1630	1521	1354	1295	1186
Asphalt & Concrete Paving Equipment	2785	2730	2687	2687	2611	2583	2620	2461	2296	2111	1941	1815	1686
Buckets	4862	4767	4713	4640	4527	4471	4541	4313	3879	3280	2963	2738	2520
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3678	3595	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010
Drills	2848	2792	2786	2832	2803	2836	2810	2602	2265	1993	1858	1699	1638
Generators	3732	3575	3514	3510	3400	3314	3236	3160	2817	2390	2301	2128	2053
Graders, Motor	4068	3915	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109
Loaders, Track	4178	3919	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053
Loaders, Wheel	4308	4099	3991	3973	3944	3873	3788	3441	2938	2606	2375	2156	2002
Pile Driving Equipment	3832	3746	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989
Rollers	4371	4215	4151	4090	3926	3744	3431	3199	2913	2653	2396	2139	1983
Scrapers and Soil Stabilizers	4068	3915	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109
Shovels, Backhoes & Hydraulic Excavators	3678	3595	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010
Tractors, Crawler & Attachments	4178	3919	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053
Tractors, Wheel	3992	3861	3820	3818	3656	3557	3530	3256	2927	2578	2319	2125	1956
Trenchers	4692	4600	4586	4488	4431	4360	4097	3618	3153	2772	2580	2300	1894
Trucks, Highway	3365	3299	3282	3139	3055	2934	2824	2638	2324	2108	1934	1775	1646
Trucks & Wagons - Off Highway	4064	3915	3840	3822	3786	3744	3662	3363	2964	2588	2364	2196	2081
All Other Equipment	3832	3746	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989
All Tires & Tubes	2393	2321	2340	2374	2421	2453	2552	2506	2369	2055	1792	1699	1615
Marine Equipment	3958	3880	3863	3749	3633	3497	3391	3239	2922	2587	2352	2156	2008

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT 1967 = 1000

	YEAR PURCHASE NEW												
	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963
	AGE IN YEARS												
CATEGORY	13	14	15	16	17	18	19	20	21	22	23	24	25
Air Equipment	1165	1028	935	920	929	936	918	970	1000	992	954	872	853
Asphalt & Concrete Paving Equipment	1610	1451	1304	1263	1235	1163	1091	1044	1000	963	931	905	872
Buckets	2175	1838	1430	1370	1316	1188	1062	1025	1000	1000	1003	978	971
Cranes, Draglines, & Clamshells - Crawler & Truck Mounted	1843	1522	1305	1260	1212	1147	1090	1049	1000	967	930	914	890
Drills	1559	1373	1249	1184	1160	1115	1052	1037	1000	993	971	914	904
Generators	1839	1456	1316	1293	1243	1188	1089	1029	1000	947	924	916	901
Graders, Motor	1956	1604	1361	1244	1208	1152	1101	1053	1000	975	951	923	903
Loaders, Track	1916	1573	1329	1219	1184	1135	1100	1079	1000	956	936	914	882
Loaders, Wheel	1907	1584	1362	1317	1261	1197	1144	N/A	N/A	N/A	N/A	N/A	N/A
Pile Driving Equipment	1852	1523	1307	1257	1218	1159	1104	N/A	N/A	N/A	N/A	N/A	N/A
Rollers	1872	1556	1328	1279	1230	1178	1082	1049	1000	962	936	908	903
Scrapers, and Soil Stabilizers	1956	1604	1361	1244	1208	1152	1101	1053	1000	975	951	923	903
Shovels, Backhoes & Hydraulic Excavators	1843	1522	1305	1260	1212	1147	1090	1049	1000	967	930	914	890
Tractors, Crawler & Attachments	1916	1573	1329	1219	1184	1135	1100	1079	1000	956	936	914	882
Tractor, Wheel	1843	1498	1288	1251	1211	1152	1109	1050	1000	962	927	902	875
Trenchers	1633	1527	1384	1316	1284	1207	1113	1051	1000	990	961	950	919
Truck, Highway	1524	1369	1230	1211	1185	1114	1062	1033	1000	980	975	965	967
Trucks & Wagons - Off Highway	1965	1568	1315	1293	1245	1190	1135	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment	1852	1523	1307	1257	1218	1159	1104	1057	1000	965	936	912	890
All Tires & Tubes	1485	1334	1114	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Marine Equipment	1870	1538	1320	1269	1230	1170	1115	1067	1000	974	945	921	899

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT 1967 = 1000

	YEAR PURCHASE NEW					
	1962	1961	1960	1959	1958	1957
	AGE IN YEARS					
CATEGORY	26	27	28	29	30	31
Air Equipment	843	846	781	775	743	706
Asphalt & Concrete Paving Equipment	858	844	830	812	777	746
Buckets	953	950	950	960	1020	1014
Cranes, Draglines, & Clamshells - Crawler & Truck Mounted	868	862	859	841	817	795
Drills	904	901	852	851	798	737
Generators	892	932	1007	1007	987	938
Graders, Motor	877	869	872	866	829	802
Loaders, Track	861	857	840	817	786	748
Loaders, Wheel	N/A	N/A	N/A	N/A	N/A	N/A
Pile Driving Equipment	N/A	N/A	N/A	N/A	N/A	N/A
Rollers	900	885	874	819	749	706
Scrapers, and Soil Stabilizers	877	869	872	866	829	802
Shovels, Backhoes & Hydraulic Excavators	868	862	859	841	817	795
Tractors, Crawler & Attachments	861	857	840	817	786	748
Tractor, Wheel	858	858	862	842	825	792
Trenchers	915	902	888	859	833	826
Truck, Highway	975	981	981	1006	986	945
Trucks & Wagons - Off Highway	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment	875	673	859	641	812	782
All Tires & Tubes	N/A	N/A	N/A	N/A	N/A	N/A
Marine Equipment	883	881	867	849	820	790

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 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 pieces 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 dry-docking, 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 2-2c.(2), except that CFC is determined on an annual basis instead of an hourly basis and is expressed here as an annual percentage factor.

$$CFC = \frac{[(N-1)\ (1+S) + 2]\ (7.40\%)}{2N}$$

where: N = Number of years in depreciation period
S = Salvage Value Factor
7.40% = 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 II shall be 7 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) Dry-docking costs are not included because they vary greatly depending on the facilities available.

d. In addition to the dredge wear and dry-docking 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-half 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	4.06	8.81	80	0.000	0.047	70	0.000	0.041	0	33	80
16-inch thru 22-inch	25	0.10	3.60	4.20	7.80	80	0.000	0.047	70	0.000	0.041	0	33	90
24-inch and over	30	0.10	3.00	4.18	7.18	80	0.000	0.047	70	0.000	0.041	0	33	100
Dredge: Pipeline/Booster Pump (on water)														
10-inch thru 14-inch	20	0.05	4.75	4.06	8.81	80	0.000	0.047	70	0.000	0.041	0	33	90
16-inch thru 22-inch	25	0.10	3.60	4.20	7.80	80	0.000	0.047	70	0.000	0.041	0	33	110
24-inch and over	30	0.10	3.00	4.18	7.18	80	0.000	0.047	70	0.000	0.041	0	33	120
Dredge: Clamshell/ Dragline (Bucket)	20	0.05	4.75	4.06	8.81	65	0.000	0.041	65	0.000	0.041	0	33	120
Dredge: Dipper/Hyd Excav	25	0.05	3.80	4.03	7.83	65	0.000	0.041	65	0.000	0.041	0	33	130
Dredge: Bucket Ladder	30	0.10	3.00	4.18	7.18	80	0.000	0.047	70	0.000	0.041	0	33	110
Dump Scow	20	0.05	4.75	4.06	8.81	80	0.000	0.047	70	0.000	0.041	0	33	80
Barges:														
Fuel	20	0.05	4.75	4.06	8.81	20	0.000	0.012	20	0.000	0.012	0	33	60
Water	20	0.05	4.75	4.06	8.81	20	0.000	0.012	20	0.000	0.012	0	33	60
Equipment Or Work	20	0.05	4.75	4.06	8.81	20	0.000	0.012	20	0.000	0.012	0	33	60
Derrick	20	0.10	4.50	4.24	8.74	20	0.000	0.012	20	0.000	0.012	0	33	70
Anchor	20	0.05	4.75	4.06	8.81	20	0.000	0.012	20	0.000	0.012	0	33	60
Drill Boat Or Barge	20	0.10	4.50	4.24	8.74	20	0.000	0.012	20	0.000	0.012	0	33	70
Mooring Barge	20	0.05	4.75	4.06	8.81	20	0.000	0.012	20	0.000	0.012	0	33	60
Tugs & Tenders	20	0.10	4.50	4.24	8.74	80	0.081	0.047	70	0.071	0.041	30	36	90
Launches & Skiffs	12	0.05	7.92	4.18	12.09	60	0.061	0.035	50	0.051	0.030	30	36	80
Crewboat & Workboat	10	0.05	9.50	4.24	13.74	60	0.061	0.035	50	0.051	0.030	30	36	80
Shore Pipeline (Average)	3	0.00	33.33	4.93	38.27	0	0.000	0.000	0	0.000	0.000	0	0	50
Floating Line:														
Pontoons	10	0.00	10.00	4.07	14.07	0	0.000	0.000	0	0.000	0.000	0	0	60
Pipeline/Joints (Avg)	5	0.00	20.00	4.44	24.44	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.....> 1988

(1) Economic Index.(APP.E).....> 3958

d. Year Manufactured.....> 1985

(1) Economic Index.(APP.E).....> 3749

e. Equipment Cost

(1) Acquisition Price.....> $3,700,000

(2) Capital Improvements.....>

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).....> $0.69 /gal

2. TABLE H-1 DATA:

a. Life (yrs).....> 30 yrs

(1) Annual Use-Months..(para 3)...> 7 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. IAF (Labor Adjustment Factor APP B)> 0.98

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

h. Annual Ownership Expense Percent:

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

(2) CFC Percent.....> 4.18%

Total Hourly Ownership Percent..(3.00% + 4.18%) = 7.18%

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 7.18%) = $265,660

(2) Monthly Ownership Expense:
($265660 / 7 mo.) = $37,951

(3) Hourly Ownership Expense:
($37951 / 500 hrs.) = $75.90

c. Standby Allowance: *
= [((.50 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:
[((.50 x 3.00%) + 4.18%) x $3700000] = $210,160

(2) Monthly Standby Expense: ($210160/7mo.) = $30,023

(3) Hourly Standby Expense: ($30023/500hrs) = $60.05

* (If Applicable) Generator Allowance:
((200 h.p. / 2475 h.p.) x $70.02) = + $5.66

Total Hourly Standby Allowance = $65.71

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 $0.69/gal) = $120.96 /hr

(2) Secondary Engine Fuel:
(0.041 x 2475 h.p. x $0.69/gal) = $70.02 /hr

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

(1) Prime Engine WLS: (0.33 x $120.96/hr) = $39.92 /hr

(2) Second Engine WLS: (0.33 x $70.02/hr) = $23.11 /hr

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

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

(3958 Pres. Yr / 3749 Yr of Mfg) = 1.056

(2) Life (hrs) = (30yrs x 7mo x 500hrs) = 105,000 hrs

(3) Repair Cost:
($3700000 x 1.20 x 1.056 x 0.98)/105000 hrs $43.76 /hr

d. Subtotal Operating Cost = (Fuel + WLS + Repairs)
($120.96 + $70.02 + $39.92 + $23.11 + $43.76) = $297.77 /hr

5. Subtotal Hourly Ownership & Operating Cost.
($75.90 /hr + $297.77 /hr) = $373.67 /hr

6. Subtotal Monthly Rate = (Hourly Total x Use Hours/Month)
($373.67 /hr x 500 hrs) = $186,835 /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..... $237,835 /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 %
July - December	1987	8 7/8 %
January - June	1988	9 3/8 %
July - December	1988	9 1/4 %

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.).

T i r e D e s c r i p t i o n

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
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

TT = Tube-type Tires TL = Tubeless Tires

Tire Description

Cost($) per Ea	Size	Ply	Type of Tire
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
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

TT = Tube-type Tires TL = Tubeless Tires

Tire Description

Cost($) per Ea	Size	Ply	Type of Tire
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
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

TT = Tube-type Tires TL = Tubeless Tires

Tire Description

Cost($) per Ea	Size	Ply	Type of Tire
1503	18.00 X 25.00	12	TL E-2 EARTHMOVER SURE GRIP
1600	18.00 X 25.00	16	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
2804	26.50 X 25.00	26	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
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
7636	37.25 X 35.00	30	TL E-3 SUPER HARD ROCK LUG 8
8025	37.25 X 35.00	42	TL E-3 SUPER HARD ROCK LUG 8

TT = Tube-type Tires TL = Tubeless Tires

Tire Description

Cost($) per Ea	Size	Ply	Type of Tire
7451	37.50 X 33.00	36	TL E-3 SUPER HARD ROCK LUG 8
8885	37.50 X 39.00	44	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
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

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Tire Description

Cost($) per Ea	Size	Ply	Type of Tire
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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