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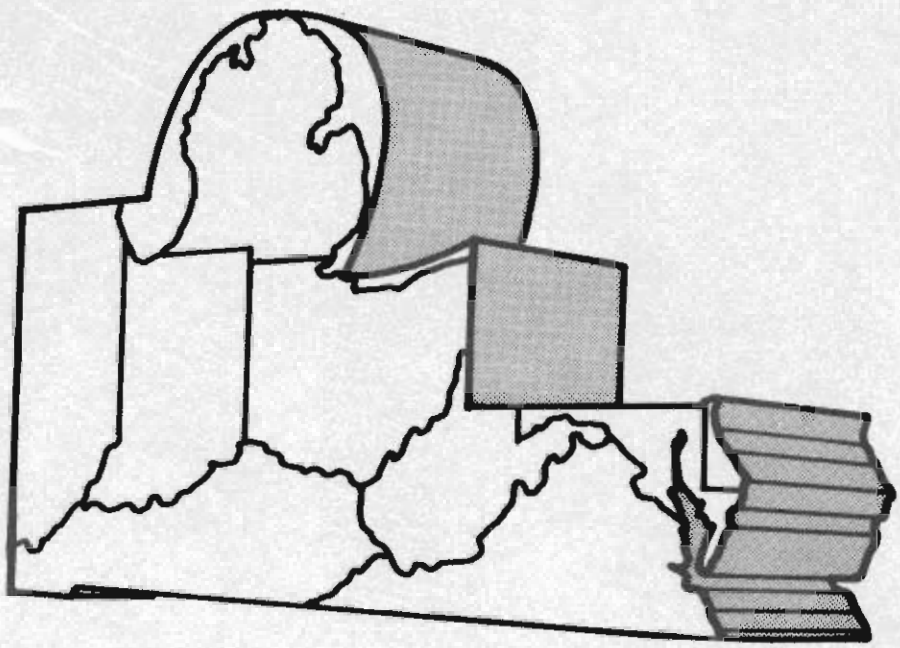
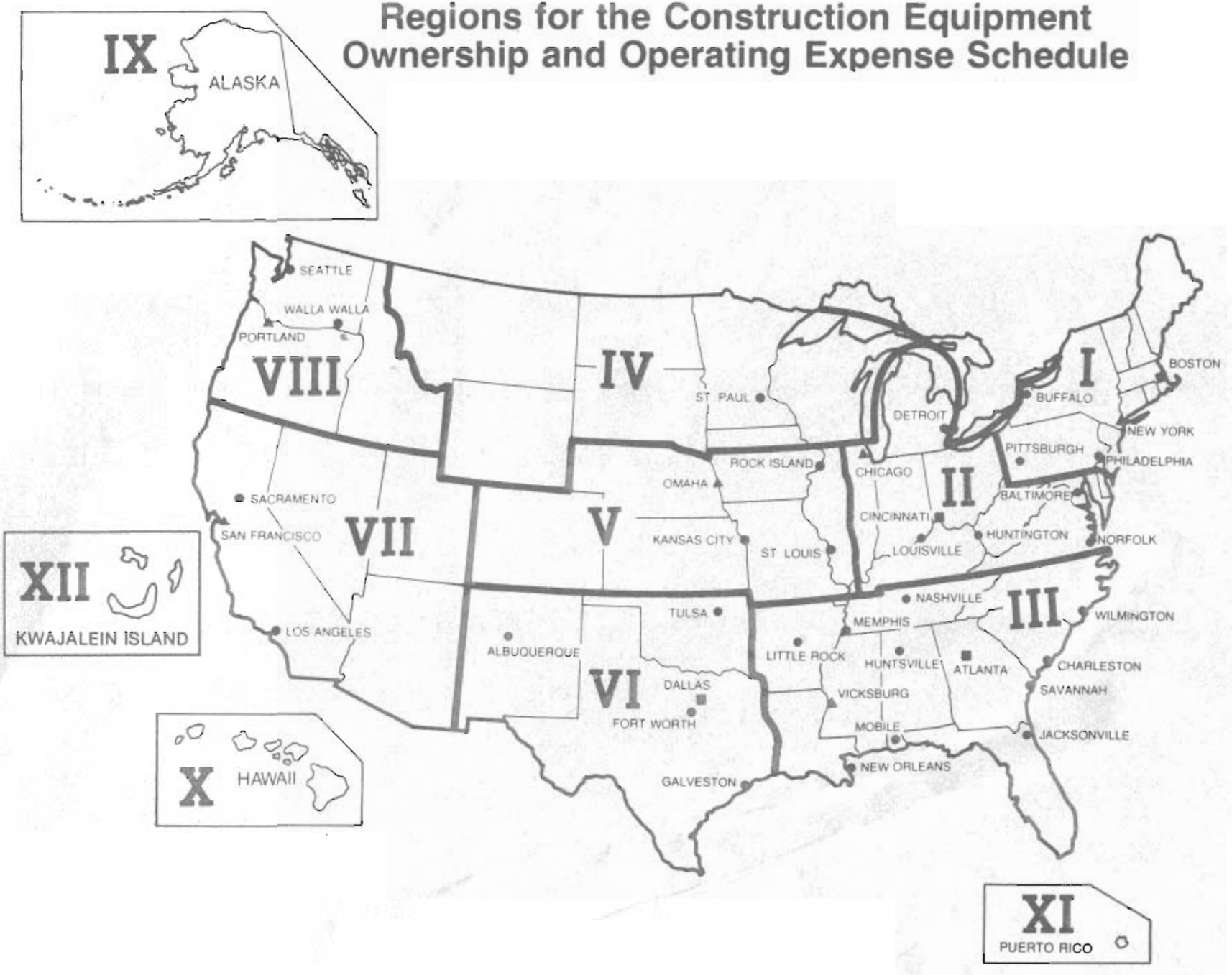
EP 1110-1-8
Volume 2
June 1987

Construction Equipment Ownership and Operating Expense Schedule

Region II



Regions for the Construction Equipment Ownership and Operating Expense Schedule



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

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Volume 2

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Pamphlet
No. 1110-1-8

1 June 1987

Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

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

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

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

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

FOR THE COMMANDER:

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

This pamphlet supersedes EP 1110-1-8, Volume 2, dated 1 June 1986.

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DEPARTMENT OF THE ARMY
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Table of Contents

Subject	Paragraph	Page
CHAPTER 1. INTRODUCTION		
Purpose	1-1	1-1
Applicability	1-2	1-1
References	1-3	1-1
General	1-4	1-1
Use	1-5	1-1
CHAPTER 2. METHODOLOGY		
General	2-1	2-1
Construction Equipment	2-2	2-1
CHAPTER 3. RATE SCHEDULE		
Introduction	3-1	3-1
Hourly Equipment Ownership and Operating Expense	3-2	3-1
Table 3-1. Hourly Equipment Ownership and Operating Expense		3-5
Table 3-2. Equipment Age Adjustment Factors for Ownership Cost		3-95
Table 3-3. Equipment Age Adjustment Factors for Standby Costs		3-99
Table 3-4. Shift Adjustment Factors for Ownership Costs		3-103
Table 3-5. Hourly Rate Elements		3-105

Subject	Paragraph	Page
APPENDIX A. REFERENCES		A-1
APPENDIX B. AREA FACTORS		B-1
APPENDIX C. GUIDE FOR SELECTING OPERATING CONDITIONS		C-1
APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS		D-1
APPENDIX E. SALVAGE AND REPAIR INDEXES FOR CONSTRUCTION EQUIPMENT		E-1
APPENDIX F. TIRE LIFE AND TIRE WEAR FACTORS		F-1
APPENDIX G. EQUIPMENT EXTRAS		G-1
APPENDIX H. MARINE EQUIPMENT		H-1
APPENDIX I. FEDERAL COST OF MONEY RATE		I-1
APPENDIX J. TIRE COSTS		J-1

CHAPTER 1

INTRODUCTION

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

1-2. Applicability. This pamphlet applies to all field operating activities having either military or civil works responsibilities for construction contracts for work in Region 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 1985. Ownership percentages and operating cost factors for marine equipment, together with the methodology contained herein, can be used to develop marine equipment rates.

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

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

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

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

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; servicing the equipment; repair and maintenance; and 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 sales 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 1985.

(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 indices (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 Hrs.).

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

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

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

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

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

d. Operating Cost.

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

(2) Fuel Consumption Cost.

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

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

where:

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

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

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

(4) Gasoline wt = 6.1 lbs per gallon

(5) Diesel wt = 7.1 lbs per gallon

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

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

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

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

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

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

(4) Maintenance and Repair Costs.

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

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

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

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

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

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

(5) Hourly Tire Cost.

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

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

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

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

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

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

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

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

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

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

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

1. REQUIRED DATA

a. Unit Number 3775

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

(2) Model and Series MODEL 9070

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

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

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

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

b. Key Number from APPENDIX D 230

(1) Condition AVERAGE

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

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

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

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

(8) Repairs Cost Factor .70

2. EQUIPMENT COST

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

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

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

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

=(1,115) x ($ 2.30) =(+)$ 2,564.50

b. Subtotal: Summation of Part a. (Use actual cost when available) =$ 360,521.00

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

=($ 360,521) x (.050) =(+)$ 18,026.05

c. Equipment Cost: Summation of Part b. (Use actual cost when available) =$ 378,547.05

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

Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

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

= (20,000 Hrs) ÷ (1,500 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)

= (3 632) ÷ (3 395) = 1.070 (EAF)

5. SALVAGE VALUE FACTOR (S)

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

= (.15) x (1.070) = 0.161 (S)

6. OWNERSHIP COSTS

a. Depreciation:

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

= [($ 378,547) x [1.0 - (.161)] - ($ 6639)] ÷ (20,000 Hr) = $ 15.55 /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 [(.161) + 1.0] + 2.0] ÷ [(13.33 Yrs) x 2.0] = 0.612

(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)

= ($ 378,547) x (.612) x (.061) ÷ (1500 Hrs/Yr) = $ 9.42 /Hr.

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) = $ 24.97 /Hr.

ENG FORM 4737-R, Jan 83 PAGE 2

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

=(.038) x (140 HP) x ($ .64 /Gal) =$ 3.40 /Hr.

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

=(.006) x (335 HP) x ($ .87 /Gal) =$ 1.75 /Hr.

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) =$ 5.15 /Hr.

b. FOG Costs:

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

=(.26) x ($ 3.40 /Hr) =$ 0.88 /Hrs.

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

=(.26) x ($ 1.75 /Hr) =$ 0.46 /Hr.

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) =$ 1.34 /Hr.

c. Repairs Cost:

(1) Repair Factor:

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

=(.70) x (1.070) x (0.98) = 0.734

(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))

=[($ 378,547) - ($ 6,639)] x (.734) ÷ (20,000 Hr) =$ 13.65 /Hr.

ENG FORM 4737-R, Jan 83 PAGE 3

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(.97)x(5,000 Hr)] =$ 0.43 /Hr.

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

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

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

=1.5x($ —)÷[1.8x(—)x(— Hr)] =$ — /Hr.

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

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

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

f. Total Operating Costs: (Sum 7-a thru 7-e) =$ 21.68 /Hr.

8. TOTAL HOURLY RATES

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

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

=($ 24.97 /Hr) + ($ 21.68 /Hr) =$ 46.65 /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)

=($ 15.55 /Hr) + [($ 9.42 /Hr)x40÷(60 Hr/Wk)] + ($ 21.68 /Hr) =$ 43.51 /Hr.

c. Hourly Standby Rate:

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

=($ 15.55 /Hr) x 0.25 + ($ 9.42 /Hr) =$ 13.31 /Hr.

ENG FORM 4737-R, Jan 83 PAGE 4

Figure 2-1. (Continued)

CHAPTER 3

RATE SCHEDULE

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

3-2. Hourly Equipment Ownership and Operating Expense.

a. Description.

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

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

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

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

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

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

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

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

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

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

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

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

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

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

CATEGORY INDEX

Page

Aggregrate/Chip Spreaders..... 3-9
Air Compressors - Portable..... 3-9
Air Equipment - Sandblast Equipment, Concrete Vibrators, Jackhammers, and Air Tools..... 3-10
Asphalt Distributor..... 3-11
Asphalt Finishers..... 3-11
Asphalt Kettles..... 3-12
Asphalt Recycler..... 3-12
Brooms - Towed & Self-Propelled..... 3-12
Brush Chippers..... 3-12
Buckets
  Clamshell..... 3-13
  Concrete..... 3-15
  Dragline and Crescent Scraper (Sauerman)..... 3-16
Compactors - Manually Operated..... 3-19
Concrete Hauler (See Truck Accessories)
Concrete Blasters..... 3-20
Concrete Buggies..... 3-20
Concrete Finisher..... 3-20
Concrete Mixers..... 3-20
Concrete Pavers..... 3-21
Concrete Placers, Shotcrete..... 3-21
Concrete Pumps..... 3-22
Concrete Saw..... 3-22
Cranes, Shovels, Backhoes & Draglines - Crawler Type..... 3-23
Cranes - Hydraulic
  Self-Propelled..... 3-29
  Truck Mounted..... 3-31
Cranes - Truck Mounted..... 3-33
Cranes - Tower..... 3-34
Dozers (See Tractor, Crawler)
Drills
  Blast Hole (Trac Drills)..... 3-35
  Core-Air-Column Mounted..... 3-36
  Core-Skid Mounted..... 3-36
  Rotary..... 3-37
Fork Lifts..... 3-37
Generator Sets, Electric - Skid Mounted..... 3-39
Graders - Motor..... 3-41
Hoists..... 3-42
Hydraulic Excavators
  Crawler Mounted..... 3-43
  Truck Mounted..... 3-46

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

CATEGORY INDEX (Continued)

Page

Land Clearing Equipment..... 3-47
Lawn Mowers..... 3-47
Lighting Sets - Trailer Mounted..... 3-48
Loaders - Belt..... 3-49
Loaders - Front End, Crawler Type..... 3-51
Loaders - Front End, Wheel Type..... 3-53
Loader/Backhoe - Wheel Type Tractor..... 3-57
Loader/Backhoe - Crawler Type Tractor..... 3-58
Loader/Backhoe Attachments..... 3-59
Pile Extractors..... 3-59
Pile Hammers
  Diesel..... 3-59
  Air or Steam
    Single Acting..... 3-59
    Double Acting..... 3-60
  Vibratory..... 3-61
Pipelayers..... 3-61
Pumps - Grout..... 3-62
Pumps - Water
  Pumps - (For Core Drills)..... 3-62
  Pumps - Centrifugal, Dewatering..... 3-62
  Pumps - Centrifugal, Trash..... 3-63
  Pumps - Diaphram..... 3-63
  Pumps - Submersible..... 3-63
Ripper & Hydr. Bank Sloper..... 3-64
Roller
  Rubber Tired, Self-Propelled..... 3-65
  Rubber Tired, Towed..... 3-66
  Sheepsfoot, Double Drum, Towed..... 3-67
  Sheepsfoot, Double Drun, Self-Propelled..... 3-67
  Smooth Wheel, Self-Propelled..... 3-68
  Vibratory, Single Drum, Towed..... 3-69
  Vibratory, Single Drum, Self-Propelled..... 3-70
  Vibratory, Double Drum, Self-Propelled..... 3-71
Roofing Equipment..... 3-72
Sandblast Equipment (See Air Equipment)
Scrapers - Self-Propelled..... 3-73
Scrapers - Tractor Drawn..... 3-76
Soil Stabilizers..... 3-76
Tampers (See Compactors, Manually Operated)

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

CATEGORY INDEX (Continued)

Page

Tractor - Crawler (Dozer) (Blades, Push Plates & Push Blocks are separate) 3-76
Tractor - Wheel Type (Dozer) 3-82
Tractor - Wheel Type, Farm Type 3-82
Trencher-Chain Type 3-82
Trencher-Wheel Type 3-83
Trucks - Highway (Chassis Only) 3-84
Truck Accessories (Add to Chassis)
  Crane - Hydraulic 3-86
  Dump Body, Rear (5 - 12 C.Y.) 3-86
  Flatbeds 3-86
  Hoists 3-87
  Transit Mixers 3-87
  Water Tank 3-87
Truck Trailers
  Bottom Dump 3-87
  End Dump 3-88
  Lowboy (Flatbed) 3-88
  Platform 3-88
  Pup 3-89
  Tilt 3-89
  Water Tanker Trailer 3-89
Trucks - Off-Highway 3-89
Trucks - Water, Tractor Drawn 3-91
Wagons
  Bottom Dump 3-91
  Rear Dump 3-92
Water Blaster 3-92
Water Tanks 3-92
Welders 3-93

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
	AGGREGATE/CHIP SPREADER **********										
	ETNYRE - SELF-PROPELLED										
1015	SPREAD TO 8" DEPTH & 10' WIDE	184 HP G	58,207	19.22		2.70	6.08	7.13			155
1020	SPREAD TO 8" DEPTH & 13' WIDE	140 HP D	65,080	14.93		3.02	6.81	2.69			160
	ROSCO - SELF-PROPELLED										
1030	CHIP SPREADER AT 10' WIDE	137 HP G	60,390	17.35		2.80	6.32	5.31			170
1035	CHIP SPREADER AT 13.5' WIDE	137 HP G	61,156	17.49		2.84	6.40	5.31			175
	AIR COMPRESSORS, PORTABLE ********** (HOSE NOT INCLUDED)										
	ROTARY SCREW										
1050	SIZE 100 CFM QUIET 100 PSI	50 HP G	11,442	5.29		0.53	1.16	2.51			20
1055	SIZE 100 CFM QUIET 100 PSI	33 HP D	13,726	3.39		0.63	1.39	0.80			26
1060	SIZE 125 CFM QUIET 100 PSI	70 HP G	14,004	7.05		0.65	1.42	3.51			24
1065	SIZE 125 CFM QUIET 100 PSI	51 HP D	14,895	4.16		0.68	1.50	1.24			26
1070	SIZE 175 CFM QUIET 100 PSI	70 HP G	15,283	7.27		0.71	1.55	3.51			26
1075	SIZE 175 CFM QUIET 100 PSI	54 HP D	17,342	4.67		0.80	1.75	1.31			28
1080	SIZE 185 CFM QUIET 100 PSI	70 HP G	15,780	7.36		0.73	1.60	3.51			27
1085	SIZE 185 CFM QUIET 100 PSI	69 HP D	18,615	5.37		0.86	1.89	1.68			29
1090	SIZE 250 CFM QUIET 100 PSI	88 HP D	21,786	6.51		1.01	2.21	2.14			55
1095	SIZE 375 CFM QUIET 100 PSI	122 HP D	34,383	9.78		1.58	3.43	2.97			79
1100	SIZE 450 CFM QUIET 100 PSI	152 HP D	44,562	12.48		2.05	4.47	3.70			89
1105	SIZE 600 CFM QUIET 100 PSI	188 HP D	53,511	15.15		2.46	5.37	4.57			97
1110	SIZE 750 CFM QUIET 100 PSI	228 HP D	62,052	17.86		2.86	6.24	5.54			128
1115	SIZE 825 CFM QUIET 100 PSI	260 HP D	70,607	20.35		3.26	7.12	6.32			130
1120	SIZE 900 CFM QUIET 100 PSI	270 HP D	77,366	21.83		3.56	7.80	6.57			148
1125	SIZE 1000 CFM QUIET 100 PSI	294 HP D	75,231	22.19		3.46	7.58	7.15			186
1130	SIZE 1200 CFM QUIET 100 PSI	400 HP D	103,447	30.38		4.78	10.47	9.73			196
1135	SIZE 1600 CFM QUIET 100 PSI	456 HP D	116,956	34.47		5.40	11.83	11.09			216

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	AIR EQUIPMENT ********** (HOSE NOT INCLUDED)									
	CLEMCO - SANDBLASTERS									
1150	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,539	1.00		0.13	0.36	0.00			3
1155	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,803	1.77		0.23	0.65	0.00			5
1160	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,822	1.78		0.23	0.65	0.00			6
1165	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	3,101	2.02		0.25	0.71	0.00			7
1170	SCH-3079R SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,193	2.68		0.34	0.96	0.00			9
1175	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	12,193	7.58		0.96	2.72	0.00			28
1180	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	14,984	9.22		1.16	3.25	0.00			45
1185	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	18,275	11.32		1.42	4.00	0.00			53
	GARDNER DENVER - TOOLS									
1195	SPADER SP27E 32CFM A	934	0.63		0.08	0.22	0.00			1
1200	SINKER DRILL S58 98CFM A	2,049	1.36		0.16	0.47	0.00			1
1205	PAVING BREAKER B37 41CFM A	958	0.64		0.08	0.22	0.00			1
1210	PAVING BREAKER B67C 46CFM A	1,027	0.68		0.08	0.23	0.00			1
1215	PAVING BREAKER B87C 50CFM A	1,118	0.73		0.09	0.25	0.00			1
1220	FEED LEG DRILL S83F-54" TRAVEL 103CFM A RETRACTABLE FL-7	3,766	2.43		0.31	0.87	0.00			1
	MASTER - CONCRETE VIBRATORS									
1230	CONCRETE VIBR. MOD A-600SH 6" 125CFM A	2,022	1.89		0.16	0.46	0.00			1
1235	CONCRETE VIBR. MOD A-450SH 4.5" 110CFM A	1,299	1.25		0.11	0.30	0.00			1
1240	CONCRETE VIBR. MOD A-35010 3.5" 82CFM A	1,166	1.11		0.10	0.27	0.00			1
1245	CONCRETE VIBR. MOD A-30010 3" 64CFM A	1,053	0.99		0.08	0.24	0.00			1
1250	CONCRETE VIBR. MOD A-25010 2.5" 40CFM A	824	0.77		0.07	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	32,007	9.13		1.50	3.40	2.26			72
1270	MOD RES 1500 GAL. TRUCK MOUNTED 45 HP G 24,000 TO 32,000 GVW REQUIRED	32,779	9.27		1.53	3.48	2.26			75
1275	MOD RES 2000 GAL. TRUCK MOUNTED 45 HP G 32,000 GVW REQUIRED	35,068	9.71		1.64	3.72	2.26			87
1280	MOD RES 3000 GAL. TRUCK MOUNTED 45 HP G 42,000 GVW REQUIRED	39,350	10.54		1.84	4.18	2.26			109
	ASPHALT FINISHERS ********** SPW=STANDARD PAVING WIDTH									
	BARBER-GREENE									
1295	MOD SB111 8' SPW (PNEUMATIC) 70 HP D	92,630	20.58		4.30	9.70	1.70			165
1300	MOD SB131 10' SPW (PNEUMATIC) 95 HP D W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	153,578	33.52		7.10	15.99	2.31			258
1305	MOD SB140 10' SPW (PNEUMATIC) 130 HP D OPTIONS SAME AS MOD SB131	172,277	38.32		7.98	17.99	3.16			325
1310	MOD SA150 10' SPW (CRAWLER) 130 HP D OPTIONS SAME AS MOD SB131	203,645	44.21		9.53	21.66	3.16			375
	BLAW-KNOX									
1320	MOD PF-22 5'-8'SPW (PNEUMATIC) 30 HP D	50,441	10.99		2.32	5.21	0.73			95
1325	MOD PF-35 6'-8'SPW (PNEUMATIC) 44 HP D	83,703	18.00		3.89	8.76	1.07			104
1330	MOD PF-115 8'SPW (PNEUMATIC) 56 HP D	111,788	23.97		5.18	11.67	1.36			180
1335	MOD PF-120H 10'SPW (PNEUMATIC) 95 HP D	135,486	29.95		6.25	14.06	2.31			240
1340	MOD PF-180H 10'SPW (PNEUMATIC) 92 HP D	161,060	34.98		7.43	16.71	2.24			277
1345	MOD PF-220 12'SPW (PNEUMATIC) 148 HP D	209,226	46.37		9.65	21.68	3.60			387
1350	MOD PF-400A 8'SPW (CRAWLER) 90 HP D	149,527	32.29		7.00	15.90	2.19			230
1355	MOD PF-500 10'SPW (CRAWLER) 125 HP D	179,873	39.36		8.42	19.13	3.04			291

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ASPHALT KETTLES **********									
	ROSCO									
1370	MOD KB 110 GAL. TRAILER MOUNTED	4,081	1.95		0.21	0.50	0.00			13
1375	MOD KD 225 GAL. TRAILER MOUNTED	4,808	2.22		0.25	0.59	0.00			16
	AEROIL									
1385	MOD KE-B-80 GAL. TRAILER MOUNTED	2,821	1.54		0.15	0.35	0.00			9
1390	MOD KE-BR-115 GAL. TRAILER MOUNTED	3,320	1.89		0.17	0.40	0.00			15
	ASPHALT RECYCLER **********									
	AEROIL									
1405	MOD AR-100 TRAILER MOUNTED 7 HP G	9,068	4.12		0.47	1.13	0.35			16
	BROOMS ********									
	M-B									
1420	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER	6,710	1.50		0.31	0.70	0.00			24
1425	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER 30 HP G	8,632	3.48		0.40	0.90	1.50			30
1430	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER	3,265	0.72		0.16	0.35	0.00			10
1435	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER	5,884	1.25		0.28	0.63	0.00			14
	BRUSH CHIPPERS **********									
	CHIPMORE									
1450	MOD TM-20 TRAILER-MTD 11 HP G	4,011	1.30		0.19	0.42	0.38			7
1455	MOD TM-30 TRAILER-MTD 18 HP G	4,803	1.78		0.22	0.50	0.63			9
1460	MOD TM120 TRAILER-MTD 12" DIA.LOG 60 HP G	10,181	4.78		0.47	1.06	2.10			36
1465	MOD TM120 TRAILER-MTD 12" DIA.LOG 76 HP D	12,849	4.23		0.60	1.36	1.31			42

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE	BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	BRUSH CHIPPERS (CONT'D) **********									
	FMC									
1475	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	11,979	9.29		0.56	1.27	5.24			41
1480	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	13,108	9.51		0.60	1.36	5.24			45
	BUCKETS, CLAMSHELL **********									
	ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1495	.75 C.Y.	11,738	2.15	2.76	0.56	1.30	0.00	1.55	0.00	37
1500	1.0 C.Y.	12,595	2.30	2.97	0.60	1.39	0.00	1.67	0.00	41
1505	1.5 C.Y.	18,057	3.29	4.24	0.85	1.99	0.00	2.38	0.00	61
1510	2.0 C.Y.	20,971	3.83	4.93	0.99	2.32	0.00	2.77	0.00	69
1515	2.5 C.Y.	27,324	4.98	6.43	1.29	3.01	0.00	3.61	0.00	88
1520	3.0 C.Y.	28,951	5.29	6.80	1.37	3.20	0.00	3.82	0.00	94
1525	3.5 C.Y.	31,300	5.72	7.37	1.48	3.46	0.00	4.14	0.00	105
1530	4.0 C.Y.	34,473	6.29	8.10	1.63	3.80	0.00	4.55	0.00	115
1535	4.5 C.Y.	37,283	6.80	8.77	1.76	4.11	0.00	4.93	0.00	126
1540	5.0 C.Y.	39,598	7.22	9.31	1.86	4.36	0.00	5.23	0.00	140
1545	5.5 C.Y.	43,612	7.96	10.26	2.06	4.81	0.00	5.76	0.00	152
1550	6.0 C.Y.	45,302	8.27	10.65	2.14	5.00	0.00	5.98	0.00	160
1555	6.5 C.Y.	47,693	8.71	11.22	2.26	5.27	0.00	6.30	0.00	169
1560	7.0 C.Y.	50,028	9.13	11.77	2.36	5.52	0.00	6.61	0.00	177
1565	7.5 C.Y.	51,915	9.48	12.21	2.45	5.73	0.00	6.86	0.00	184
	ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE									
1575	.75 C.Y.	15,293	2.79	3.60	0.72	1.69	0.00	2.02	0.00	33
1580	1.0 C.Y.	15,302	2.79	3.60	0.72	1.69	0.00	2.02	0.00	46
1585	1.5 C.Y.	22,247	4.06	5.23	1.05	2.45	0.00	2.94	0.00	70
1590	2.0 C.Y.	23,999	4.38	5.64	1.14	2.65	0.00	3.17	0.00	78

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 HDS HEAVY DUTY & SQUARE NOSE (CONT'D)									
1595	2.5 C.Y.	30,487	5.57	7.17	1.44	3.37	0.00	4.03	0.00	98
1600	3.0 C.Y.	33,349	6.09	7.84	1.57	3.68	0.00	4.40	0.00	109
1605	3.5 C.Y.	38,044	6.94	8.95	1.79	4.19	0.00	5.03	0.00	120
1610	4.0 C.Y.	40,907	7.47	9.62	1.93	4.52	0.00	5.40	0.00	131
1615	4.5 C.Y.	43,941	8.02	10.34	2.08	4.85	0.00	5.81	0.00	141
1620	5.0 C.Y.	48,104	8.78	11.31	2.27	5.31	0.00	6.35	0.00	155
1625	5.5 C.Y.	50,728	9.25	11.93	2.39	5.59	0.00	6.70	0.00	164
1630	6.0 C.Y.	53,212	9.71	12.51	2.51	5.87	0.00	7.02	0.00	174
1635	6.5 C.Y.	56,012	10.22	13.17	2.64	6.18	0.00	7.40	0.00	185
1640	7.0 C.Y.	58,377	10.65	13.73	2.75	6.44	0.00	7.71	0.00	193
1645	7.5 C.Y.	60,699	11.07	14.27	2.86	6.69	0.00	8.01	0.00	201
	ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE									
1655	.75 C.Y.	17,245	3.14	4.06	0.81	1.90	0.00	2.28	0.00	50
1660	1.0 C.Y.	17,579	3.21	4.13	0.83	1.94	0.00	2.32	0.00	55
1665	1.5 C.Y.	25,294	4.62	5.95	1.19	2.79	0.00	3.34	0.00	81
1670	2.0 C.Y.	30,826	5.62	7.25	1.45	3.40	0.00	4.07	0.00	99
1675	2.5 C.Y.	35,508	6.48	8.35	1.68	3.92	0.00	4.69	0.00	115
1680	3.0 C.Y.	38,454	7.01	9.04	1.81	4.24	0.00	5.08	0.00	127
1685	3.5 C.Y.	42,379	7.74	9.96	2.00	4.68	0.00	5.59	0.00	141
1690	4.0 C.Y.	45,548	8.32	10.72	2.15	5.03	0.00	6.02	0.00	150
1695	4.5 C.Y.	46,670	8.52	10.97	2.20	5.15	0.00	6.16	0.00	160
1700	5.0 C.Y.	50,445	9.21	11.86	2.38	5.57	0.00	6.66	0.00	173
1705	5.5 C.Y.	53,424	9.75	12.56	2.52	5.89	0.00	7.05	0.00	185
1710	6.0 C.Y.	56,169	10.25	13.20	2.65	6.20	0.00	7.41	0.00	195
1715	6.5 C.Y.	59,678	10.90	14.03	2.82	6.59	0.00	7.88	0.00	208

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	BUCKETS, CLAMSHELL (CONT'D) **********									
	ESCO - MODEL XDS EXTRA HEAVY DUTY & SQ. NOSE (CONT'D)									
1720	7.0 C.Y.	61,901	11.30	14.56	2.92	6.83	0.00	8.18	0.00	218
1725	7.5 C.Y.	64,848	11.83	15.25	3.06	7.15	0.00	8.56	0.00	229
	BUCKETS, CONCRETE **********									
	LOWBOY -AIR OPER GATE CAMLEVER									
1740	LB-375 3/8 C.Y.	3,180	0.57		0.15	0.34	0.00			2
1745	LB-050 1/2 C.Y.	3,354	0.59		0.16	0.35	0.00			2
1750	LB-075 3/4 C.Y.	3,453	0.61		0.16	0.36	0.00			3
1755	LB-100 1.0 C.Y.	3,610	0.65		0.17	0.39	0.00			5
1760	LB-150 1.5 C.Y.	4,112	0.73		0.19	0.43	0.00			6
1765	LB-200 2.0 C.Y.	5,231	0.93		0.24	0.55	0.00			8
1770	LB-300 3.0 C.Y.	6,141	1.09		0.29	0.65	0.00			12
1775	LB-400 4.0 C.Y.	7,112	1.26		0.33	0.75	0.00			15
	GENERAL PURPOSE & MANUAL GAR-BRO									
1785	433-G 1.0 C.Y.	1,586	0.28		0.07	0.17	0.00			6
1790	442-G 1.5 C.Y.	1,983	0.35		0.09	0.21	0.00			8
1795	462-G 2.0 C.Y.	2,565	0.46		0.12	0.27	0.00			11
1800	493-G 3.0 C.Y.	3,617	0.65		0.17	0.39	0.00			19
1805	4123-G 4.0 C.Y.	4,537	0.81		0.21	0.48	0.00			23
	LOW SLUMP - AIR OPERATED GATE GAR-BRO									
1815	440-A 1.0 C.Y.	6,586	1.18		0.31	0.70	0.00			19
1820	450-A 1.5 C.Y.	6,845	1.21		0.32	0.72	0.00			21
1825	460-A 2.0 C.Y.	7,109	1.26		0.33	0.75	0.00			23
1830	493-A 3.0 C.Y.	9,324	1.66		0.44	0.99	0.00			42

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	BUCKETS, CONCRETE (CONT'D) **********									
	LOW SLUMP - AIR OPER GATE (CONT'D) GAR-BRO (CONT'D)									
1835	4139-A 4.0 C.Y.	9,695	1.73		0.45	1.03	0.00			52
1840	4200-A 6.0 C.Y. DBL. COMPT.	14,006	2.50		0.66	1.49	0.00			72
1845	4250-A 8.0 C.Y. DBL. COMPT.	16,762	2.98		0.78	1.77	0.00			80
	LAYDOWN - HEAVY DUTY - AIR GATE GAR-BRO									
1855	425-A 1.0 C.Y.	7,442	1.33		0.35	0.79	0.00			26
1860	465-A 2.0 C.Y.	8,310	1.48		0.39	0.88	0.00			31
1865	495-A 3.0 C.Y.	9,629	1.71		0.45	1.02	0.00			40
1870	4125-A 4.0 C.Y.	10,715	1.91		0.50	1.14	0.00			49
1875	4155-A 5.0 C.Y.	12,547	2.24		0.59	1.33	0.00			60
	BUCKETS, DRAGLINE **********									
	HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED									
1890	.75 C.Y.	3,527	0.64	0.82	0.17	0.39	0.00	0.46	0.00	15
1895	1.0 C.Y.	4,185	0.76	0.98	0.20	0.46	0.00	0.55	0.00	18
1900	1.5 C.Y.	5,110	0.93	1.21	0.24	0.56	0.00	0.68	0.00	26
1905	2.0 C.Y.	6,034	1.11	1.42	0.29	0.67	0.00	0.80	0.00	32
1910	2.5 C.Y.	7,088	1.30	1.67	0.34	0.79	0.00	0.94	0.00	37
1915	3.0 C.Y.	8,741	1.60	2.05	0.42	0.97	0.00	1.15	0.00	46
1920	3.5 C.Y.	9,665	1.76	2.28	0.45	1.06	0.00	1.28	0.00	50
1925	4.0 C.Y.	11,775	2.15	2.77	0.56	1.30	0.00	1.56	0.00	65
1930	4.5 C.Y.	12,502	2.28	2.94	0.59	1.38	0.00	1.65	0.00	69
1935	5.0 C.Y.	15,092	2.75	3.55	0.71	1.66	0.00	1.99	0.00	85
1940	6.0 C.Y.	16,359	2.99	3.85	0.78	1.81	0.00	2.16	0.00	90
1945	7.0 C.Y.	17,885	3.27	4.20	0.85	1.98	0.00	2.36	0.00	101
1950	8.0 C.Y.	19,828	3.62	4.66	0.94	2.19	0.00	2.62	0.00	112

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE	BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	BUCKETS, DRAGLINE (CONT'D) **********									
	HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED (CONT'D)									
1955	9.0 C.Y.	22,901	4.18	5.38	1.08	2.53	0.00	3.02	0.00	128
1960	10.0 C.Y.	24,889	4.55	5.86	1.18	2.75	0.00	3.29	0.00	139
1965	12.0 C.Y.	30,595	5.59	7.19	1.45	3.38	0.00	4.04	0.00	166
1970	14.0 C.Y.	35,179	6.42	8.27	1.66	3.88	0.00	4.64	0.00	191
	HENDRIX - MODEL TS, MEDIUM WEIGHT									
1980	.75 C.Y.	4,111	0.76	0.96	0.20	0.46	0.00	0.54	0.00	17
1985	1.0 C.Y.	5,056	0.92	1.19	0.24	0.56	0.00	0.67	0.00	19
1990	1.5 C.Y.	6,232	1.13	1.47	0.29	0.68	0.00	0.83	0.00	28
1995	2.0 C.Y.	7,430	1.36	1.75	0.35	0.82	0.00	0.98	0.00	36
2000	2.5 C.Y.	8,566	1.56	2.01	0.40	0.94	0.00	1.13	0.00	41
2005	3.0 C.Y.	10,242	1.87	2.41	0.49	1.13	0.00	1.35	0.00	49
2010	3.5 C.Y.	11,310	2.07	2.66	0.54	1.25	0.00	1.49	0.00	54
2015	4.0 C.Y.	13,576	2.47	3.19	0.64	1.49	0.00	1.79	0.00	70
2020	4.5 C.Y.	14,521	2.65	3.42	0.69	1.60	0.00	1.92	0.00	72
2025	5.0 C.Y.	18,612	3.40	4.38	0.88	2.06	0.00	2.46	0.00	93
2030	6.0 C.Y.	19,234	3.51	4.51	0.91	2.12	0.00	2.53	0.00	96
2035	7.0 C.Y.	21,953	4.00	5.16	1.03	2.42	0.00	2.90	0.00	111
2040	8.0 C.Y.	24,171	4.41	5.68	1.14	2.67	0.00	3.19	0.00	122
2045	9.0 C.Y.	28,931	5.29	6.80	1.37	3.20	0.00	3.82	0.00	149
2050	10.0 C.Y.	30,811	5.61	7.24	1.45	3.39	0.00	4.06	0.00	159
2055	12.0 C.Y.	39,270	7.17	9.23	1.86	4.34	0.00	5.18	0.00	202
2060	14.0 C.Y.	43,726	7.98	10.28	2.06	4.82	0.00	5.77	0.00	225
	HENDRIX - MODEL MH-S, HEAVY WEIGHT									
2070	2.75 C.Y.	16,432	3.00	3.86	0.78	1.81	0.00	2.17	0.00	69
2075	3.0 C.Y.	17,090	3.12	4.02	0.81	1.89	0.00	2.26	0.00	72

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	BUCKETS, DRAGLINE (CONT'D) **********									
	HENDRIX - MOD MH-S, HEAVY WT (CONT'D)									
2080	3.5 C.Y.	19,134	3.49	4.49	0.90	2.11	0.00	2.52	0.00	81
2085	4.0 C.Y.	25,593	4.68	6.01	1.21	2.83	0.00	3.37	0.00	110
2090	4.5 C.Y.	28,612	5.22	6.73	1.35	3.16	0.00	3.78	0.00	123
2095	5.0 C.Y.	29,546	5.39	6.95	1.39	3.26	0.00	3.90	0.00	127
2100	6.0 C.Y.	31,641	5.77	7.44	1.50	3.49	0.00	4.18	0.00	136
2105	7.0 C.Y.	40,227	7.34	9.46	1.90	4.44	0.00	5.31	0.00	175
2110	8.0 C.Y.	41,372	7.55	9.74	1.95	4.56	0.00	5.47	0.00	180
2115	9.0 C.Y.	52,613	9.60	12.37	2.48	5.80	0.00	6.95	0.00	234
2120	10.0 C.Y.	54,445	9.94	12.80	2.57	6.01	0.00	7.19	0.00	243
2125	12.0 C.Y.	64,754	11.81	15.23	3.05	7.14	0.00	8.55	0.00	289
2130	14.0 C.Y.	68,963	12.59	16.21	3.25	7.61	0.00	9.10	0.00	309
	SAUERMAN - CRESCENT SCRAPER									
	WITH DRAGLINE CONVERSION KIT									
2145	SC-1050-K 1.0 C.Y.	9,974	1.82	2.35	0.47	1.10	0.00	1.32	0.00	15
2150	SC-1060-K 1.5 C.Y.	12,774	2.33	3.00	0.60	1.41	0.00	1.68	0.00	20
2155	SC-1070-K 2.0 C.Y.	17,511	3.19	4.12	0.83	1.93	0.00	2.31	0.00	25
2160	SC-1090-K 3.0 C.Y.	23,160	4.22	5.45	1.09	2.55	0.00	3.06	0.00	36
2165	SC-1100-K 4.0 C.Y.	34,623	6.32	8.14	1.63	3.82	0.00	4.57	0.00	49
2170	SC-1110-K 5.0 C.Y.	39,476	7.20	9.29	1.86	4.35	0.00	5.22	0.00	58
2175	SC-1120-K 6.0 C.Y.	47,849	8.73	11.25	2.26	5.28	0.00	6.32	0.00	68
2180	SC-1130-K 8.0 C.Y.	58,128	10.61	13.67	2.75	6.42	0.00	7.68	0.00	88
2185	SC-1140-K 10.0 C.Y.	70,529	12.87	16.59	3.33	7.78	0.00	9.32	0.00	106
2190	SC-1150-K 12.0 C.Y.	81,815	14.93	19.23	3.86	9.03	0.00	10.80	0.00	132

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	COMPACTORS, MANUALLY OPERATED **********									
2200	UR-12 INGERSOLL-RAND RAMMER 3 HP G	1,728	0.89		0.11	0.28	0.21			1
2205	BS45Y WACKER RAMMER 3 HP G	1,713	0.89		0.11	0.28	0.21			1
2210	BS65Y WACKER RAMMER 4 HP G	3,111	1.48		0.19	0.50	0.28			2
2215	GVR151Y WACKER RAMMER 5 HP G	2,426	1.31		0.15	0.39	0.35			2
2220	GVR220Y WACKER RAMMER 6 HP G	3,111	1.64		0.19	0.50	0.41			2
2225	VPG160B WACKER VIBRO PLATE 4 HP G	1,340	0.84		0.09	0.22	0.28			2
2230	VPG260K WACKER VIBRO PLATE 7 HP G	1,908	1.29		0.11	0.30	0.48			3
2235	BT-50 BOMAG TAMPING 5 HP G	1,907	1.12		0.11	0.30	0.35			1
2240	BT-58 BOMAG TAMPING 3 HP G	1,948	0.97		0.13	0.32	0.21			1
2245	BT-68 BOMAG TAMPING 3 HP G	2,299	1.10		0.15	0.37	0.21			1
2250	BT-71 BOMAG TAMPING 4 HP G	2,375	1.21		0.15	0.38	0.28			2
2255	BP10/36W BOMAG VIBRO PL W/SPRNKLR 4 HP G	1,186	0.78		0.07	0.19	0.28			2
2260	BP-11K BOMAG VIBRO PLATE 4 HP G	1,703	0.97		0.11	0.28	0.28			3
2265	BP-19/75 BOMAG VIBRO PLATE 5 HP D	3,248	1.39		0.20	0.52	0.17			4
2270	BP-30R BOMAG VIBRO PLATE 5 HP G	4,514	2.07		0.28	0.73	0.35			5
2275	BP-30 BOMAG VIBRO PLATE 5 HP D	5,694	2.27		0.35	0.91	0.17			5
2280	BP-50 BOMAG VIBRO PLATE 7 HP D	8,445	3.37		0.52	1.36	0.24			9
2285	BW-75E BOMAG WALK BEHIND S/D 5 HP D	8,467	3.28		0.52	1.36	0.17			12
2290	BW-35 BOMAG WALK BEHIND D/D 4 HP D	9,787	3.72		0.60	1.57	0.14			11
2295	BW-60SE BOMAG D/D ROLLER 8 HP D	13,423	5.22		0.83	2.16	0.27			20
2300	BW-90SE BOMAG D/D ROLLER 13 HP D	16,839	6.67		1.04	2.71	0.44			28
2305	VPG600 WACKER VIBRO PLATE 9 HP G	3,514	2.04		0.22	0.56	0.62			7
2310	DPS2350 WACKER VIBRO PLATE 7 HP D	3,718	1.65		0.23	0.60	0.24			4
2315	DPU5050 WACKER VIBRO PLATE 11 HP D	12,507	5.00		0.77	2.01	0.37			10
2320	W 55 T WACKER D/D ROLLER 8 HP D	11,420	4.49		0.71	1.84	0.27			17
2325	W 74 T WACKER D/D ROLLER 8 HP D	12,846	5.01		0.80	2.07	0.27			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									
2340	DSC-15 SURFACE PREP/CLEANING MACH 41 HP D	58,094	18.61		3.58	9.32	1.08			40
	CONCRETE BUGGIES **********									
	AEROIL									
2355	5 CF WALK-BEHIND 5 HP G	1,802	0.90		0.11	0.29	0.27			3
	WHITEMAN									
2365	MODWBS11 WALK & RIDE 8 HP G	4,568	1.92		0.28	0.73	0.43			7
	CONCRETE FINISHERS **********									
	BOMAG									
2380	MOD F46B4 GYRO TROWEL 7 HP G	1,484	0.94		0.09	0.24	0.38			2
2385	MOD RF2B4 DOUBLTROWEL 16 HP G	5,857	2.88		0.36	0.94	0.86			7
2390	MOD RF3B3 TRIPLTROWEL 16 HP G	7,553	3.39		0.47	1.22	0.86			9
	CONCRETE MIXERS **********									
2400	PORTABLE CONCRETE MIXER 2.5 CF 1 HP E	686	0.26		0.04	0.09	0.05			2
2405	PORTABLE CONCRETE MIXER 4.0 CF 4 HP E	1,174	0.64		0.07	0.17	0.20			3
2410	PORTABLE CONCRETE MIXER 3.5 CF 1 HP E	705	0.27		0.04	0.10	0.05			3
2415	PORTABLE CONCRETE MIXER 6.0 CF 6 HP E	2,220	1.09		0.13	0.34	0.29			7
2420	PORTABLE CONCRETE MIXER 6.0 CF 7 HP G	2,292	1.17		0.14	0.35	0.38			7
2425	PORTABLE MORTAR MIXER 6.0 CF 7 HP G	1,693	1.00		0.10	0.26	0.38			6

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

UNIT NO.	EQUIPMENT			VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CONCRETE PAVERS **********											
	CATERPILLAR											
2440	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANS, AND SIDEWALKS	142 HP	D	137,493	31.53		6.43	14.62	3.45			263
2445	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP	D	261,011	57.95		12.21	27.75	5.06			540
2450	MOD SF - 450 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP	D	462,254	98.94		21.64	49.16	6.08			960
2455	MOD SF - 500 24' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	400 HP	D	532,264	117.41		24.91	56.60	9.73			1150
	GOMACO											
2465	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP	G	27,694	9.78		1.30	2.93	3.26			91
2470	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP	D	127,537	28.27		5.97	13.57	2.43			255
	CONCRETE PLACERS, SHOTCRETE **********											
	ALLENTOWN											
2485	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP	D	25,244	6.77		1.32	3.28	0.43			45
2490	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP	D	28,848	8.03		1.52	3.76	0.72			60
2495	GR600 ROTARY GUN 1-6 CY/HR INCL. HOSE, REQ. 550 CFM COMP.	550CFM	A	8,328	2.24		0.43	1.07	0.00			9
2500	GR1200 ROTARY GUN 4-12 CY/HR INCL. HOSE, REQ. 770 CFM COMP.	770CFM	A	16,254	4.32		0.85	2.12	0.00			18
	CHALLENGE SQUEEZ-CRETE											
2510	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP	D	45,195	14.00		2.40	5.96	2.22			70

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	CONCRETE PUMPS **********									
	MORGEN									
2525	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	55,603	18.77		2.95	7.34	3.94			70
2530	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	146,736	49.39		7.76	19.26	10.23			255
	SCHWING									
2540	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	45,869	14.39		2.44	6.05	2.40			66
2545	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	71,753	24.69		3.79	9.39	5.45			98
2550	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	73,726	25.18		3.89	9.65	5.45			98
2555	MOD BP 3000 TRAILER MTD 127 CY/HR 177 HP D	97,639	32.23		5.17	12.86	6.34			130
2560	MOD BP 5000 TRAILER MTD 151 CY/HR 300 HP D	125,405	44.73		6.65	16.53	10.75			150
2565	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	151,179	48.40		7.95	19.66	8.53			302
2570	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	217,569	64.80		11.47	28.42	8.53			321
2575	MOD BPL1200 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	267,180	81.10		14.07	34.86	11.64			408
	CONRETE SAWS ********** (SAWBLADE WEAR NOT INCLUDED)									
	FELKER									
2590	MOD 8BCC 5" DEPTH OF CUT 8 HP G	1,667	1.13		0.09	0.21	0.55			3
2595	MOD 12WCC 5" DEPTH OF CUT 12 HP G	2,085	1.61		0.11	0.27	0.83			3
2600	MOD 14TCC 5" DEPTH OF CUT 14 HP G	2,064	1.78		0.11	0.26	0.97			3
2605	MOD 140MR 8" DEPTH OF CUT 14 HP G	4,628	2.40		0.25	0.59	0.97			6
2610	MOD 185MR 8" DEPTH OF CUT 18 HP G	5,873	3.05		0.31	0.74	1.24			7
2615	MOD 300MR 8" DEPTH OF CUT 30 HP G	6,645	4.33		0.35	0.84	2.07			7
2620	MOD 350MCA 10" DEPTH OF CUT 35 HP G	9,728	5.54		0.51	1.23	2.42			12
2625	MOD 665MCA 15" DEPTH OF CUT 65 HP G	13,068	9.09		0.68	1.65	4.50			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
	CONCRETE SAWS (CONT'D) ********** (SAWBLADE WEAR NOT INCLUDED)									
	LONGYEAR									
2635	MOD 360-10HM WALL SAW 1700 PSI 10 HP G	10,713	3.50		0.57	1.36	0.69			2
2640	MOD 360-35HM WALL SAW 2500 PSI 35 HP G	11,886	6.07		0.63	1.51	2.42			2
2645	MOD 800WR 5" DEPTH OF CUT 8 HP G	1,251	1.02		0.06	0.15	0.55			2
2650	MOD 815WR 7" DEPTH OF CUT 11 HP G	1,871	1.45		0.10	0.24	0.76			2
2655	MOD 815EB 5" DEPTH OF CUT 5 HP G	2,010	0.95		0.11	0.26	0.35			2
2660	MOD 1800W 5" DEPTH OF CUT 18 HP G	5,879	3.06		0.31	0.74	1.24			5
2665	MOD 3535W 5" DEPTH OF CUT 35 HP G	7,756	5.06		0.40	0.98	2.42			9
2670	MOD 6530-48 21" DEPTH OF CUT 65 HP G	13,027	9.09		0.68	1.65	4.50			13
	CRANES, SHOVEL,BACKHOE,DRAGLINE **********									
	AMERICAN - CRAWLER TYPE									
	MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES									
2690	DRAGLINE OR CLAMSHELL (LESS BUCKET)	281,304	41.22	49.10	11.06	22.86	2.19	25.36	2.77	814
2695	CRANE 35-T W/65' BOOM	283,097	37.96	44.21	11.12	23.00	1.75	25.52	2.26	803
	MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES									
2705	CRANE 50-T W/75' BOOM	308,383	41.17	47.92	12.12	25.06	1.75	27.80	2.26	962
	MOD 5299-A LIFTING CRANE T/C 125 HP D 17'-6" CRAWLERS W/36" SHOES									
2715	CRANE 60-T W/80' BOOM	321,608	43.05	50.13	12.64	26.14	1.92	28.99	2.48	1088
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2725	DRAGLINE OR CLAMSHELL (LESS BUCKET)	384,361	56.61	67.46	15.11	31.24	3.23	34.65	4.09	1278
2730	CRANE 40-T W/75' BOOM	376,189	50.76	59.15	14.78	30.57	2.58	33.91	3.33	1262

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) **********									
	AMERICAN - CRAWLER TYPE (CONT'D)									
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2740	CRANE 60-T W/80' BOOM	398,452	48.33	54.95	14.72	27.77	2.58	30.00	3.33	1421
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES									
2750	CRANE 100T W/200' BOOM	487,690	58.44	66.36	18.02	33.99	2.58	36.73	3.33	1886
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2760	CRANE 110-T W/200' BOOM	664,710	80.74	91.84	24.55	46.32	4.41	50.06	5.69	2792
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2770	CRANE 125T W/270' BOOM	693,800	84.04	95.56	25.63	48.35	4.41	52.25	5.69	3150
2775	DRAGLINE OR CLAMSHELL (LESS BUCKET)	668,333	89.64	104.22	24.51	47.89	5.51	51.91	6.98	2950
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES									
2785	CRANE 150T W/280' BOOM	751,219	90.54	102.90	27.74	52.34	4.41	56.58	5.69	3400
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES									
2795	CRANE 165T W/290' BOOM	789,510	92.11	103.47	28.19	51.46	4.41	55.02	5.69	3580
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES									
2805	CRANE 225T W/280' BOOM	828,746	96.42	108.25	29.59	54.02	4.41	57.75	5.69	3990
	LINK BELT - CRAWLER TYPE									
	MOD LS-78 LIFTING CRANE T/C 84 HP D 13'-7" CRAWLERS W/24" SHOES									
2825	CRANE 17.5-T W/40' BOOM	177,833	25.62	30.55	7.42	16.03	1.29	18.18	1.67	506

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) **********									
	LINK BELT - CRAWLER TYPE (CONT'D)									
	MOD LS-98 LIFTING CRANE T/C 110 HP D 15'-0" CRAWLERS W/24" SHOES									
2835	CRANE 25-T W/50' BOOM	200,451	29.18	34.84	8.36	18.06	1.69	20.50	2.18	625
	MOD LS-98 PIPELINER CRANE T/C 112 HP D 15'-7" CRAWLERS W/30" SHOES									
2845	CRANE 30-T W/40' BOOM	225,929	30.68	35.78	8.88	18.36	1.72	20.37	2.22	727
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/30" SHOES									
2860	CRANE 40-T W/50' BOOM	212,477	28.95	33.76	8.35	17.27	1.69	19.15	2.18	772
	MOD LS-108B LIFTING CRANE T/C 110 HP D 15'-0" CRAWLERS W/30" SHOES									
2870	CRANE 45-T W/50' BOOM	264,910	35.60	41.45	10.41	21.53	1.69	23.88	2.18	833
	MOD LS-118 LIFTING CRANE T/C 178 HP D 17'-0" CRAWLERS W/30" SHOES									
2880	CRANE 60-T W/80' BOOM	335,972	41.42	47.23	12.41	23.41	2.73	25.31	3.53	1232
	MOD LS-318 LIFTING CRANE T/C 208 HP D 17'-0" CRAWLERS W/32" SHOES									
2890	CRANE 80-T W/150' BOOM	398,400	49.05	55.92	14.71	27.76	3.19	30.00	4.13	1445
	MOD LS-338 LIFTING CRANE T/C 208 HP D 20'-0" CRAWLERS W/38" SHOES									
2900	CRANE 100-T W/200' BOOM	494,519	59.96	68.20	18.27	34.47	3.19	37.24	4.13	1865
	MOD LS-418A LIFTING CRANE T/C 245 HP D 22'-4" CRAWLERS W/38" SHOES									
2910	CRANE 117-T W/230' BOOM	577,056	70.01	79.64	21.31	40.21	3.76	43.46	4.86	2235
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W-44" SHOES									
2920	CRANE 150-T W/250' BOOM	705,615	84.58	96.06	26.06	49.17	3.76	53.14	4.86	2826

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-718 LIFTING CRANE T/C 450 HP D 30'-0" CRAWLERS W/50" SHOES									
2930	CRANE 250-T W/290' BOOM	963,534	114.31	128.73	34.41	62.81	6.91	67.15	8.93	4388
	MOD LS-818 LIFTING CRANE T/C 450 HP D 31'-5" CRAWLERS W/50" SHOES									
2940	CRANE 300-T W/310' BOOM	1,219,840	142.43	160.02	43.56	79.51	6.91	85.01	8.93	5069
	MOD LS-918 LIFTING CRANE T/C 600 HP D 34'-10" CRAWLERS W/60" SHOES									
2950	CRANE 400-T W/340' BOOM	2,009,114	231.91	260.09	71.74	130.96	9.22	140.01	11.90	6783
	MOD LS-1018 LIFTING CRANE T/C 600 HP D 38'-8" CRAWLERS W/60" SHOES									
2960	CRANE 500-T W/340' BOOM	2,405,232	275.38	308.44	85.88	156.78	9.22	167.60	11.90	8021
	MANITOWOC - CRAWLER TYPE									
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES									
2975	DRAGLINE OR CLAMSHELL (LESS BUCKET)	476,860	65.89	76.81	17.49	34.17	5.51	37.04	6.98	2306
2980	CRANE 100T W/210' BOOM	524,822	64.88	73.97	19.38	36.57	4.41	39.52	5.69	2354
	MOD 3900W VICON SER2 T/C 300 HP D 24'-0" CRAWLERS W/48" SHOES									
2990	CRANE 140T W/250' BOOM	619,969	75.90	86.45	22.90	43.20	4.61	46.69	5.95	2815
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
3000	DRAGLINE OR CLAMSHELL (LESS BUCKET)	802,669	108.03	125.63	29.44	57.52	6.91	62.34	8.76	3788
3005	CRANE 200T W/260' BOOM	862,516	101.51	114.17	30.80	56.22	5.53	60.11	7.14	3929
	MOD 4600 VICON SERIES 3 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
3015	CRANE 240T W/260' BOOM	1,276,366	153.12	172.71	45.58	83.20	10.52	88.95	13.59	5200

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) **********									
	MANITOWOC - CRAWLER TYPE (CONT'D)									
	MOD 4600 VICON SERIES 3 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
3020	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,263,261	164.88	189.63	45.11	82.35	13.15	88.03	16.66	5100
	NORTHWEST - CRAWLER TYPE									
	MOD 50-D/5030 1.0 CY 190 HP D 15'-4" CRAWLERS W/30" SHOES									
3035	DRAGLINE OR CLAMSHELL (LESS BUCKET)	247,190	43.59	54.05	10.68	23.65	3.65	27.22	4.62	930
3040	CRANE 30-T W/40' BOOM	225,452	32.06	37.57	8.86	18.32	2.92	20.32	3.77	869
	MOD 50-D/5035 1.25 CY 190 HP D 15'-4" CRAWLERS W/30" SHOES									
3050	DRAGLINE OR CLAMSHELL (LESS BUCKET)	258,437	39.83	47.60	10.16	21.00	3.65	23.30	4.62	932
3055	CRANE 35-T W/50' BOOM	235,570	33.34	39.05	9.26	19.14	2.92	21.23	3.77	872
	MOD 50-D/5050 2.0 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES									
3065	DRAGLINE OR CLAMSHELL (LESS BUCKET)	299,397	46.56	55.66	11.77	24.34	4.57	26.98	5.79	957
3070	CRANE 50-T W/60' BOOM	297,923	42.14	49.34	11.71	24.21	3.66	26.86	4.72	952
	MOD 70-D/7060 2.5 CY T/C 238 HP D 19'-0" CRAWLERS W/33" SHOES									
3080	DRAGLINE OR CLAMSHELL (LESS BUCKET)	370,943	56.37	67.31	14.58	30.15	4.57	33.44	5.79	1425
3085	CRANE 60-T W/50' BOOM	364,237	45.76	52.28	13.46	25.39	3.66	27.43	4.72	1403
	MOD 70-D/7080 3.5 CY T/C 238 HP D 19'-0" CRAWLERS W/33" SHOES									
3095	DRAGLINE OR CLAMSHELL (LESS BUCKET)	407,670	56.16	65.43	14.95	29.21	4.57	31.66	5.79	1497
3100	CRANE 80-T W/160' BOOM	421,706	52.27	59.63	15.58	29.39	3.66	31.76	4.72	1524
	MOD 80-D 3.0 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
3110	SHOVEL	473,757	89.77	111.27	20.48	45.33	5.89	52.16	7.74	1510

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) **********									
	NORTHWEST - CRAWLER TYPE (CONT'D)									
	MOD 80-D 3.0 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
3115	DRAGLINE OR CLAMSHELL (LESS BUCKET)	408,159	62.05	74.10	16.04	33.17	5.05	36.79	6.40	1274
3120	CRANE 40-T W/50' BOOM	401,418	55.72	65.10	15.78	32.63	4.04	36.18	5.22	1267
	MOD 9570-WT 4.0 CY T/C 304 HP D 19'-0" CRAWLERS W/38" SHOES									
3130	DRAGLINE OR CLAMSHELL (LESS BUCKET)	448,845	62.81	73.29	16.46	32.16	5.84	34.86	7.39	1580
3135	CRANE 60-T W/50' BOOM	442,156	55.83	63.84	16.33	30.81	4.67	33.30	6.03	1565
	MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES									
3145	SHOVEL	752,943	141.03	174.70	32.54	72.05	8.02	82.90	10.54	2571
3150	DRAGLINE OR CLAMSHELL (LESS BUCKET)	646,069	88.54	103.14	23.69	46.29	6.87	50.18	8.71	2365
3155	CRANE 97.5-T W/170' BOOM	673,042	83.01	94.62	24.86	46.90	5.50	50.68	7.10	2464
	MOD 190-D WT SERIES 3 T/C 456 HP D 21'-1" CRAWLERS W/54" SHOES									
3165	DRAGLINE 6.5 CY (LESS BUCKET)	696,326	92.75	106.89	24.86	45.39	8.76	48.53	11.09	2740
3170	CRANE 100-T W/170' BOOM	728,787	91.17	104.12	26.92	50.79	7.00	54.88	9.05	2872
	MOD 1200-C T/C 525 HP D 21'-10" CRAWLERS W/48" SHOES									
3180	CRANE 150-T W/240' BOOM	609,262	78.90	90.53	22.50	42.46	8.06	45.88	10.42	2822
	P & H - CRAWLER TYPE									
	MOD 320H .75 CY T/C 93 HP D 13'-7" CRAWLERS W/30" SHOES									
3195	DRAGLINE OR CLAMSHELL (LESS BUCKET)	131,839	23.03	28.56	5.70	12.61	1.79	14.52	2.26	580
3200	CRANE 25-T W/50' BOOM	132,725	19.74	23.60	5.53	11.96	1.43	13.57	1.85	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									
3215	DRAGLINE OR CLAMSHELL (LESS BUCKET)	294,320	43.38	51.68	11.57	23.92	2.50	26.53	3.16	1171
3220	CRANE 65-T W/180' BOOM	315,687	38.23	43.48	11.66	22.00	2.00	23.78	2.58	1352
	MOD 5100 3 CY T/C 188 HP D 21'-6" CRAWLERS W/36" SHOES									
3235	DRAGLINE OR CLAMSHELL (LESS BUCKET)	458,442	61.28	71.22	16.82	32.85	3.61	35.60	4.57	1485
3240	CRANE 100-T W/210' BOOM	508,901	61.22	69.55	18.80	35.46	2.89	38.32	3.73	1880
	MOD C-120 4 CY T/C 260 HP D 24'-0" CRAWLERS W/36" SHOES									
3250	DRAGLINE OR CLAMSHELL (LESS BUCKET)	491,455	67.07	78.08	18.03	35.22	4.99	38.17	6.32	2203
3255	CRANE 120-T W/230' BOOM	518,792	63.69	72.56	19.17	36.16	3.99	39.07	5.16	2340
	MOD C-165 5 CY T/C 260 HP D 26'-3" CRAWLERS W/42" SHOES									
3265	DRAGLINE OR CLAMSHELL (LESS BUCKET)	639,851	85.48	99.33	23.47	45.85	4.99	49.69	6.32	2510
3270	CRANE 165-T W/270' BOOM	700,565	81.83	91.94	25.01	45.66	3.99	48.82	5.16	3333
	MOD DELTA 5250 LIFTING CRANE T/C 328 HP D 30'-5" CRAWLERS W/48" SHOES									
3280	CRANE 250-T W/290' BOOM	1,003,217	116.35	130.57	35.83	65.40	5.04	69.91	6.51	4373
	CRANES, HYDRAULIC SELF-PROPELLED **********									
	BRODERSON									
3295	MOD IC-80-18 8.5 TON 64 HP D	51,598	8.55		1.97	3.96	1.56			150
3300	MOD RTR-80-3B 9 TON 97 HP D	66,201	11.44		2.52	5.08	2.36			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
	CRANES, HYD SELF-PROPELLED (CONT'D) **********									
	GROVE									
3310	MOD RT58A 14 TON 130 HP D	114,641	18.93		4.33	8.66	3.16			420
3315	MOD RT515 15 TON 115 HP D	121,795	19.35		4.61	9.22	2.80			425
3320	MOD RT518 18 TON 115 HP D	137,173	21.45		5.18	10.34	2.80			452
3325	MOD RT520 20 TON 115 HP D	145,101	22.42		5.48	10.95	2.80			469
3330	MOD RT522 22 TON 115 HP D	150,126	23.06		5.67	11.32	2.80			498
3335	MOD RT625 25 TON 156 HP D	200,471	30.28		7.58	15.16	3.79			560
3340	MOD RT630 30 TON 156 HP D	208,136	31.94		7.85	15.68	3.79			580
3345	MOD RT635 35 TON 160 HP D	213,497	32.74		8.06	16.10	3.89			600
3350	MOD RT745 45 TON 198 HP D	277,166	42.38		10.44	20.81	4.82			785
3355	MOD RT760 60 TON 198 HP D	330,894	49.62		12.45	24.77	4.82			855
3360	MOD RT865 65 TON 208 HP D	407,198	59.55		15.35	30.62	5.06			1100
3365	MOD RT990 90 TON 280 HP D	532,138	78.53		20.02	39.86	6.81			1360
3370	MOD RT1650 165 TON 512 HP D	993,011	146.16		37.36	74.39	12.45			2400
	LORAIN									
3380	MOD LRT150 15 TON 114 HP D	118,445	18.83		4.48	8.96	2.77			438
3385	MOD LRT180 18 TON 121 HP D	134,511	21.05		5.10	10.22	2.94			450
3390	MOD LRT200 20 TON 121 HP D	140,706	21.86		5.34	10.69	2.94			470
3395	MOD LRT230 23 TON 121 HP D	146,745	22.80		5.55	11.08	2.94			490
3400	MOD LRT250 25 TON 121 HP D	156,494	23.99		5.91	11.83	2.94			510
3405	MOD LRT275 27.5 TON 121 HP D	161,344	24.61		6.11	12.22	2.94			520
3410	MOD LRT330 33 TON 180 HP D	195,289	31.03		7.37	14.72	4.38			570
	P & H									
3420	MOD OMEGA 115 15 TON 128 HP D	137,996	21.75		5.23	10.47	3.11			437
3425	MOD OMEGA 118 18 TON 128 HP D	139,410	21.92		5.28	10.58	3.11			439
3430	MOD OMEGA 120 20 TON 128 HP D	147,412	22.91		5.58	11.20	3.11			440
3435	MOD OMEGA 122 22 TON 128 HP D	148,660	23.07		5.64	11.30	3.11			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	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, HYD SELF-PROPELLED (CONT'D) **********									
	P & H (CONT'D)									
3440	MOD OMEGA 25 25 TON 155 HP D	183,765	28.45		6.96	13.95	3.77			540
3445	MOD OMEGA 30 30 TON 155 HP D	189,154	29.12		7.17	14.38	3.77			550
3450	MOD OMEGA 35 35 TON 155 HP D	195,535	29.91		7.42	14.87	3.77			560
3455	MOD OMEGA 40 40 TON 202 HP D	262,677	40.72		9.89	19.69	4.91			760
3460	MOD OMEGA 45 45 TON 202 HP D	271,851	42.07		10.22	20.32	4.91			770
3465	MOD OMEGA 50 50 TON 202 HP D	281,941	43.31		10.60	21.10	4.91			780
3470	MOD OMEGA 65 65 TON 235 HP D	361,155	54.72		13.59	27.05	5.72			980
	PETTIBONE									
3480	MOD 16 MK P SERIES 8 TON 118 HP D	100,923	16.51		3.84	7.72	2.87			286
3485	MOD 20 MK P SERIES 10 TON 118 HP D	104,209	17.00		3.96	7.96	2.87			302
3490	MOD 25 MK P SERIES 12.5 TON 118 HP D	107,840	17.44		4.10	8.24	2.87			458
3495	MOD 36 MK P SERIES 18 TON 118 HP D	125,069	19.83		4.73	9.46	2.87			494
3500	MOD 45-SC P SERIES 22.5 TON 176 HP D	137,697	23.23		5.22	10.45	4.28			560
3505	MOD 80-SC P SERIES 40 TON 176 HP D	229,956	35.86		8.63	17.15	4.28			862
3510	MOD 100-SC 50 TON 188 HP D	283,852	42.90		10.70	21.34	4.57			1050
3515	MOD 130-SC P SERIES 65 TON 212 HP D	320,857	49.01		12.04	23.91	5.16			1050
	CRANES, HYDRAULIC TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRIER)									
	GROVE									
3530	TMS250C 35 TON W/110' BOOM 183 HP D	211,891	28.67	33.45	7.73	15.00	4.45	16.25	5.86	514
3535	TMS300B 40 TON W/136' BOOM 205 HP D	256,723	34.40	40.08	9.34	18.10	4.99	19.61	6.56	725
3540	TMS475 50 TON W/140' BOOM 213 HP D	297,532	39.00	45.33	10.84	21.02	5.18	22.78	6.82	776
3545	TMS760 60 TON W/150' BOOM 251 HP D	351,048	45.90	53.33	12.80	24.84	6.10	26.92	8.03	881
3550	TMS875 75 TON W/146' BOOM 278 HP D	394,415	50.78	58.57	13.83	25.89	6.76	27.74	8.90	1032
3555	TM890 90 TON W/146' BOOM 188/268 HP D/D	452,602	55.72	63.56	15.90	29.80	5.97	31.93	7.65	1209
3560	TM1300 130 TON W/172' BOOM 196/335 HP D/D	716,758	83.00	93.37	24.41	44.39	6.52	47.13	8.31	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	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, HYDRAULIC TRUCK MTD (CONT'D) ********** (HP & FUEL LISTED EQUIP/CARRIER)									
	GROVE (CONT'D)									
3565	TM1500 150 TON W/174' BOOM 196/391 HP D/D	846,834	96.51	108.30	28.87	52.57	6.81	55.83	8.65	1960
	LINK BELT (FMC)									
3575	HTC-814 14 TON W/80' BOOM 200 HP D	188,620	28.96	34.61	7.36	15.11	4.86	16.75	6.40	482
3580	HTC-825 25 TON W/80' BOOM 225 HP D	195,306	30.56	36.60	7.62	15.65	5.47	17.35	7.20	499
3585	HTC-830 30 TON W/80' BOOM 225 HP D	203,027	29.00	34.09	7.40	14.37	5.47	15.57	7.20	505
3590	HTC-835 35 TON W/101' BOOM 225 HP D	213,819	30.15	35.39	7.80	15.14	5.47	16.41	7.20	525
3595	HTC-840 40 TON W/110' BOOM 238 HP D	249,365	34.59	40.48	9.08	17.59	5.79	19.04	7.62	650
3600	HTC-1055 55 TON W/120' BOOM 238 HP D	312,171	41.31	48.05	11.38	22.08	5.79	23.92	7.62	662
	P & H									
3610	OMEGA T-250 25 TON W/80' BOOM 210 HP D	188,688	29.31	35.06	7.36	15.11	5.11	16.75	6.72	492
3615	OMEGA T-300 30 TON W/100' BOOM 210 HP D	201,500	28.40	33.31	7.35	14.26	5.11	15.45	6.72	523
3620	OMEGA T-350 35 TON W/110' BOOM 210 HP D	207,128	28.99	33.98	7.55	14.66	5.11	15.88	6.72	525
3625	OMEGA T-400 40 TON W/106' BOOM 225 HP D	267,321	36.27	42.36	9.73	18.83	5.47	20.39	7.20	730
3630	OMEGA T-450 45 TON W/140' BOOM 225 HP D	284,199	38.06	44.39	10.34	20.03	5.47	21.70	7.20	758
3635	OMEGA T-500 50 TON W/140' BOOM 225 HP D	294,441	39.16	45.63	10.72	20.77	5.47	22.50	7.20	760
3640	OMEGA T-650 66 TON W/147' BOOM 335 HP D	348,900	47.45	55.11	12.25	22.97	8.15	24.61	10.72	900
	PETTIBONE									
3650	50TKLSPC 25 TON W/98' BOOM 233 HP D	198,992	31.22	37.38	7.78	15.98	5.67	17.71	7.46	500
3655	80TKLS 40 TON W/144' BOOM 244 HP D	252,573	35.12	41.12	9.20	17.82	5.93	19.29	7.81	740
3660	110 TK P 55 TON W/114' BOOM 238 HP D	273,399	37.16	43.40	9.96	19.31	5.79	20.92	7.62	825
3665	140 TK P 70 TON W/116' BOOM 322 HP D	343,153	46.67	54.19	12.04	22.53	7.83	24.13	10.30	1155

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRIER)									
	AMERICAN									
3680	5470 65 TON W/170' BOOM 115/238 HP D/D	419,228	51.09	58.54	15.25	29.54	4.04	31.99	5.13	1175
3685	5530 75 TON W/170' BOOM 115/238 HP D/D	427,051	50.65	57.43	14.99	28.09	4.04	30.09	5.13	1245
3690	7460 90 TON W/200' BOOM 213/230 HP D/D	525,381	63.79	72.67	18.47	34.67	6.38	37.14	8.22	1503
3695	7530 125 TON W/220' BOOM 213/350 HP D/D	564,583	68.92	78.51	19.83	37.19	7.01	39.85	8.95	1696
3700	8460 165 TON W/240' BOOM 268/350 HP D/D	809,264	93.95	105.81	27.64	50.42	8.34	53.55	10.71	2320
3705	9530 220 TON W/260' BOOM 268/500 HP D/D	1,139,587	130.10	146.05	38.83	70.67	9.13	75.04	11.62	3480
	LINK BELT (FMC)									
3715	HC78B 35 TON W/100' BOOM 84/197 HP D/D	268,821	33.35	38.27	9.79	18.95	3.07	20.52	3.89	773
3720	HC108C 50 TON W/150' BOOM 110/238 HP D/D	357,024	44.31	50.87	12.97	25.08	3.92	27.17	4.97	1197
3725	HC138A 75 TON W/200' BOOM 165/318 HP D/D	437,577	53.79	61.29	15.37	28.80	5.67	30.85	7.22	1304
3730	HC218A 100 TON W/220' BOOM 165/318 HP D/D	511,863	61.60	70.02	17.98	33.72	5.67	36.13	7.22	1688
3735	HC238B 140 TON W/230' BOOM 171/318 HP D/D	628,644	72.53	81.54	21.44	39.06	5.82	41.48	7.41	2220
3740	HC268 225 TON W/310' BOOM 314/440 HP D/D	971,175	113.14	127.47	33.13	60.36	9.93	64.10	12.73	2852
	LORAIN									
3750	MC790 90 TON W/220' BOOM 210/270 HP D/D	478,518	59.38	67.82	16.78	31.43	6.52	33.67	8.36	1594
3755	MC1115 115 TON W/230' BOOM 210/301 HP D/D	520,783	63.98	72.95	18.29	34.27	6.68	36.71	8.55	1749
3760	MC1400 140 TON W/230' BOOM 210/301 HP D/D	582,234	68.93	77.79	19.85	36.14	6.68	38.37	8.55	1950
3765	MC1650 165 TON W/250' BOOM 220/315 HP D/D	713,616	82.80	93.18	24.33	44.32	6.99	47.06	8.96	2614
	P & H									
3775	9070 70 TON W/180' BOOM 140/335 HP D/D	378,547	46.66	53.13	13.31	24.98	5.15	26.76	6.52	1115
3780	790BTC 90 TON W/200' BOOM 160/350 HP D/D	511,067	61.76	70.19	17.94	33.61	5.72	36.01	7.25	1606
3785	9150 150 TON W/270' BOOM 210/350 HP D/D	670,913	78.19	88.05	22.89	41.71	6.93	44.30	8.85	1805
3790	5250TC 300 TON W/320' BOOM 364/450 HP D/D	1,423,516	160.52	180.03	48.64	88.80	11.20	94.31	14.39	3928

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, TOWER **********									
	AMERICAN PECCO									
	MODEL SK135-2 FREE STANDING 60 HP E 7500# @ 132' RADIUS (L-2)									
3810	7-S16 TOWER SECTS=103 FT HIGH	279,314	41.18		10.39	18.92	2.73			740
	OPT. 14'9-1/4" S16 TOWER SECT									
3820	ADD TO BASIC CRANE FOR EA SECT	11,942	1.37		0.44	0.81	0.00			51
3825	TOP CLIMBING OPT. ADD TO BASIC	44,843	5.12		1.67	3.03	0.00			118
	MODEL SK200 FREE STANDING 105 HP E 10600# @ 143' RADIUS (L-2)									
3835	7-S16 TOWER SECTS=103 FT HIGH	351,622	52.52		13.08	23.81	4.78			883
	14'9-1/4" S16 TOWER SECTION									
3845	ADD TO BASIC CRANE FOR EA SECT	11,942	1.37		0.44	0.81	0.00			51
3850	TOP CLIMBING OPT. ADD TO BASIC	44,843	5.12		1.67	3.03	0.00			118
	MODEL SK400 FREE STANDING 105 HP E 18500# @ 162' RADIUS (L-2)									
3860	6-S35 TOWER SECTS=116 FT HIGH	429,603	61.43		15.97	29.08	4.78			1216
	OPT. 19'4-1/4" S35 TOWER SECT.									
3870	ADD TO BASIC CRANE FOR EA SECT	14,959	1.71		0.55	1.01	0.00			84
3875	TOP CLIMBING OPT. ADD TO BASIC	45,643	5.22		1.70	3.09	0.00			223
	MODEL SK560 FREE STANDING 165 HP E 24500# @ 170' RADIUS (L-2)									
3885	6-S213 TOWER SECTS=116 FT HIGH	496,814	73.21		18.48	33.64	7.51			1547
	OPT. 19'4-1/4" S213 TOWER SECT									
3895	ADD TO BASIC CRANE FOR EA SECT	15,871	1.82		0.59	1.08	0.00			100
3900	TOP CLIMBING OPT. ADD TO BASIC	88,228	10.08		3.28	5.97	0.00			252

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 (CONT'D) **********									
	AMERICAN PECCO (CONT'D)									
	MODEL SN355 FREE STANDING 165 HP E 12300# @ 165' RADIUS (L-2) WITH LUFFING BOOM									
3910	6-S35 TOWER SECTS=116 FT HIGH	523,231	76.22		19.45	35.42	7.51			2152
	OPT. 19'4-1/4" S35 TOWER SECT									
3920	ADD TO BASIC CRANE FOR EA SECT	14,959	1.71		0.55	1.01	0.00			84
3925	TOP CLIMBING OPT. ADD TO BASIC	93,052	10.64		3.46	6.30	0.00			159
	DRILLS, BLAST HOLE, CRAWLER MTD **********									
	GARDNER DENVER									
3940	AT3100B/PR55 3.5" HOLE 12' FEED 600CFM A	66,808	13.92		3.13	7.12	0.00			92
3945	AT3100B/PR123J 4.0" HOLE 12' FEED 750CFM A	70,666	14.67		3.31	7.53	0.00			91
3950	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	73,445	15.22		3.44	7.83	0.00			93
3955	AT3800A/PR55 ANGLE DRILL 600CFM A 3.5" HOLE 20' FEED	83,240	17.19		3.90	8.87	0.00			123
3960	ATD3800A/PR123J ANGLE DRILL 750CFM A 4.0" HOLE 20' FEED	87,118	17.95		4.08	9.28	0.00			124
3965	AT3800A/PR66 ANGLE DRILL 900CFM A 4.0" HOLE 20' FEED	89,884	18.50		4.21	9.58	0.00			125
3970	SCH3500BV HYDRAULIC DRILL 223 HP D 2.5" HOLE 12' FEED	220,172	53.31		10.30	23.45	6.71			125
3975	HYDR. RING DRILL JUMBO 5'FEED 75 HP E 3.5" HOLE,HPR1 DRILL & MOD1 POWER	163,431	39.68		7.66	17.42	4.20			144
	INGERSOLL-RAND									
3985	ECM350/VL140 3.5" HOLE 12' FEED 750CFM A	79,278	16.36		3.71	8.44	0.00			129
3990	ECM350/VL671 4.0" HOLE 12' FEED 900CFM A	86,452	17.83		4.05	9.22	0.00			131
3995	ECM 450Y 3.0" HOLE 12' FEED 100 HP D	119,247	27.15		5.59	12.71	3.01			188

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	DRILLS, BLAST HOLE, CRLR MTD (CONT'D) **********									
	SULLIVAN									
4005	MAVRICK/VCR350 2.5" HOLE 12' FEED 450CFM A	45,426	9.42		2.13	4.84	0.00			60
4010	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	69,321	14.41		3.24	7.38	0.00			100
4015	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	81,523	16.81		3.81	8.68	0.00			144
4020	MUSTANG VCR280 5.0" HOLE 20' FEED1200CFM A	100,759	20.69		4.72	10.73	0.00			184
4025	STALLION JH-6 5.5" HOLE 20' FEED 165 HP D	217,071	48.77		10.16	23.13	4.96			300
	DRILLS, CORE, COLUMN MOUNTED **********									
	ACKER									
4040	MOD 610-E 4" DIA. MAX 1 HP E	2,042	0.68		0.09	0.21	0.06			1
4045	MOD 930-E 9" DIA. MAX 2 HP E	2,509	0.91		0.12	0.27	0.11			2
4050	MOD 1050-E 10" DIA. MAX 3 HP E	4,043	1.34		0.19	0.43	0.17			3
4055	MOD 1080-E 10" DIA. MAX 11 HP E	9,235	3.73		0.44	0.99	0.62			6
	LONGYEAR									
4065	MOD 752 DRILL W/E4-230 MOTOR 3 HP E	3,367	1.11		0.16	0.36	0.17			2
4070	MOD 42N DRILL W/A4-350 MOTOR 165CFM A	3,603	1.12		0.17	0.39	0.00			3
	DRILLS, CORE, SKID MOUNTED **********									
	ACKER									
4085	TEREDO MARK-II NX 1000' MAX 44 HP D	35,552	8.62		1.67	3.79	1.32			45
4090	ACE MODEL C NX 400' MAX 20 HP D	24,629	5.57		1.15	2.62	0.60			35
4095	BUSH MASTER NX 900' MAX 48 HP D	42,442	10.12		1.99	4.52	1.44			45
	SPRAGUE AND HENWOOD									
4110	MOD 37-H NX 400' MAX 18 HP G	17,925	4.81		0.84	1.91	1.11			18
4115	MOD 40-CL NX 1050' MAX 49 HP D	27,758	7.27		1.30	2.96	1.47			27

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	DRILLS, ROTARY **********									
	GARDNER-DENVER									
4130	MOD RDC-16B 3" TO 5 1/8" 131 HP D	166,272	28.56		6.55	13.17	3.94			310
4135	MOD GD-25/35C 6" TO 8 3/4" 250 HP D	229,042	42.23		9.02	18.14	7.52			600
4140	MOD GD-45C 6 3/4" TO 10 5/8" 325 HP D	361,218	63.72		14.23	28.61	9.78			775
4145	MOD GD-100 9 7/8" TO 15" 626 HP E	723,578	109.65		25.79	47.40	30.67			2110
4150	MOD GD-120 3 7/8" TO 17 1/2" 684 HP E	891,916	128.73		31.79	58.43	33.52			2910
	INGERSOLL-RAND									
4160	MOD DM-25 6 3/4" DRILLMASTER CRWL. MOUNTED 210 HP D	246,682	43.03		9.72	19.54	6.32			500
4165	MOD T4-EH 7-7/8" DRILLMASTER TRK. MOUNTED 304 HP D	324,870	58.91		12.73	25.48	9.14			550
4170	MOD TH-60 WATER WELL DRILL TRK. MOUNTED 435 HP D	301,778	60.80		11.83	23.71	13.08			460
	ROBBINS									
4180	RRT 35 TK MTD 6-1/4" TO 8-0" 335/225 HP D/D	331,981	62.68		13.01	26.05	11.25			600
4185	RRT 50 TK MTD 6 3/4" TO 9" 335 HP D	483,108	82.66		18.93	37.88	10.08			860
4190	RRT 60 TK MTD 6 3/4" TO 9 7/8" 350 HP D	546,516	92.09		21.42	42.90	10.53			960
4195	RR10S ON D9H 6 3/4" TO 9" 410 HP D	396,372	72.13		15.60	31.38	12.33			1160
4200	RR10HD ON D9H 6 3/4" TO 10 5/8" 410 HP D	459,973	80.97		18.11	36.42	12.33			1340
4205	RR10XHD ON 41B 9 7/8" TO 12 1/4" 524 HP D	636,077	91.03		22.67	41.67	15.76			1830
4210	RR12E CRLR MTD 9" TO 12 1/4" 725/450 HP E/E	1,172,427	198.94		41.79	76.81	63.87			2605
	FORK LIFTS **********									
	CATERPILLAR									
	LC = LOAD CENTER									
4230	M20 ELECT 2000# @ 24" LC 18 HP E	16,622	4.17		0.77	1.74	0.82			54
4235	M25 ELECT 2500# @ 24" LC 18 HP E	16,713	4.17		0.77	1.74	0.82			54
4240	MC30 ELECT 3000# @ 24" LC 18 HP E	17,455	4.31		0.81	1.81	0.82			85

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	FORK LIFTS (CONT'D) **********									
	CATERPILLAR (CONT'D)									
4245	M40B ELECT 4000# @ 24" LC 32 HP E	24,194	6.44		1.12	2.52	1.46			95
4250	M50B ELECT 5000# @ 24" LC 32 HP E	24,669	6.53		1.15	2.58	1.46			102
4255	MC60B ELECT 6000# @ 24" LC 47 HP E	27,123	7.94		1.26	2.83	2.14			123
4260	M70B ELECT 7000# @ 24" LC 53 HP E	33,673	9.53		1.56	3.51	2.41			134
4265	M80B ELECT 8000# @ 24" LC 53 HP E	35,223	9.79		1.63	3.68	2.41			142
4270	M100B ELECT 10000# @ 24" LC 53 HP E	37,146	10.12		1.73	3.90	2.41			160
4275	V30D GAS 3000# @ 24" LC 37 HP G	16,012	5.15		0.74	1.68	1.86			37
4280	V40C GAS 4000# @ 24" LC 48 HP G	21,336	6.82		0.99	2.21	2.41			41
4285	V50C GAS 5000# @ 24" LC 48 HP G	21,777	6.93		1.00	2.21	2.41			45
4290	V60E GAS 6000# @ 24" LC 63 HP G	30,148	9.31		1.39	3.12	3.16			52
4295	V70E GAS 7000# @ 24" LC 63 HP G	30,476	9.38		1.41	3.16	3.16			56
4300	V80E GAS 8000# @ 24" LC 63 HP G	31,691	9.60		1.47	3.30	3.16			59
4305	V110 DIESEL 11000# @ 24" LC 66 HP D	45,611	10.17		2.11	4.73	1.61			82
4310	V150 DIESEL 15000# @ 24" LC 70 HP D	49,103	10.91		2.28	5.11	1.70			92
4315	V180B DIESEL 18000# @ 24" LC 125 HP D	65,069	15.49		2.99	6.67	3.04			114
4320	V200B DIESEL 20000# @ 24" LC 125 HP D	70,886	16.51		3.25	7.28	3.04			124
4325	V250B DIESEL 25000# @ 24" LC 125 HP D	72,714	16.84		3.34	7.47	3.04			154
4330	V300B DIESEL 30000# @ 24" LC 125 HP D	81,635	18.48		3.74	8.35	3.04			165
4335	R40 DIESEL 4000# @ 24" LC 68 HP D	28,333	7.14		1.30	2.90	1.65			107
4340	R50 DIESEL 5000# @ 24" LC 68 HP D	29,016	7.27		1.33	2.98	1.65			112
4345	R60 DIESEL 6000# @ 24" LC 68 HP D	35,117	8.36		1.62	3.63	1.65			128
4350	R80 DIESEL 8000# @ 24" LC 68 HP D	36,453	8.65		1.66	3.68	1.65			138
	HYSTER - CHALLENGER									
4360	H30XL 3000# @ 24" LC 63 HP G	16,450	6.88		0.75	1.67	3.16			58
4365	H60XL 6000# @ 24" LC 80 HP G	23,704	9.22		1.09	2.44	4.01			91
4370	H110F 11000# @ 24" LC 116 HP G	46,713	15.58		2.16	4.87	5.82			163

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	FORK LIFTS (CONT'D) **********									
	HYSTER - CHALLENGER (CONT'D)									
4375	H150H 15000# @ 24" LC 127 HP G	63,783	19.41		2.92	6.53	6.37			234
4380	H200HS20000# @ 24" LC PS 127 HP G	74,455	21.30		3.42	7.66	6.37			256
4385	H250H 25000# @ 24" LC PS 127 HP G	74,630	21.35		3.42	7.64	6.37			295
4390	H300B 30000# @ 24" LC PS 127 HP G	80,471	22.36		3.70	8.30	6.37			360
4395	H460CS46000# @ 36" LC PS 190 HP G	165,931	41.65		7.64	17.12	9.53			590
	GENERATOR SETS, ELECTRIC **********									
	CATERPILLAR T = TURBOCHARGED TA = TURBOCHARGED AFTER COOLED									
	SKID MOUNTED									
4415	MOD 3304B-T 240/480V 100 KW 148 HP D	17,182	8.04	10.16	0.92	2.28	3.60	2.54	4.74	37
4420	MOD 3306B-T 240/480V 125 KW 187 HP D	22,524	10.33	13.03	1.20	2.98	4.55	3.33	5.98	46
4425	MOD 3306B-TA 240/480V 150 KW 220 HP D	24,292	11.69	14.78	1.29	3.22	5.35	3.59	7.04	48
4430	MOD 3406B-T 240/480V 200 KW 290 HP D	26,070	14.17	18.01	1.39	3.45	7.05	3.86	9.28	57
4435	MOD 3406B-TA 240/480V 250 KW 370 HP D	29,840	17.37	22.11	1.59	3.95	9.00	4.41	11.84	59
4440	MOD 3408B-T 240/480V 255 KW 370 HP D	35,425	18.54	23.50	1.89	4.69	9.00	5.24	11.84	77
4445	MOD 3408B-TA 240/480V 310 KW 450 HP D	39,518	21.80	27.70	2.10	5.23	10.94	5.84	14.40	81
4450	MOD 3412-T 240/480V 355 KW 500 HP D	47,789	25.04	31.74	2.54	6.33	12.16	7.07	16.00	91
4455	MOD 3412-TA 240/480V 455 KW 650 HP D	64,913	33.11	41.96	3.45	8.59	15.81	9.60	20.80	102
4460	MOD 3508 240/480V 600 KW 845 HP D	86,519	43.49	55.08	4.60	11.45	20.55	12.80	27.04	140
4465	MOD 3512 240/480V 900 KW 1250 HP D	117,672	62.20	78.91	6.25	15.57	30.40	17.41	40.00	202
4470	MOD 3516 480V 1100 KW 1450 HP D	154,504	75.89	96.02	8.21	20.45	35.26	22.85	46.40	256
	KOHLER									
4480	2.25MBM25 PORTABLE 2.25 KW 5 HP G	848	0.48	0.62	0.04	0.11	0.25	0.12	0.33	1
4485	3.5MM65 PORTABLE 3.50 KW 8 HP G	1,335	0.78	0.99	0.08	0.18	0.40	0.20	0.52	2
4490	5MM65 PORTABLE 5.00 KW 12 HP G	1,734	1.10	1.41	0.10	0.23	0.60	0.26	0.78	2

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	GENERATOR SETS, ELECTRIC (CONT'D) **********									
	ONAN									
	SKID MOUNTED									
4505	120/240V 2.5 KW 6 HP G	1,530	0.69	0.85	0.08	0.20	0.30	0.22	0.39	2
4510	120/240V 6.5 KW 14 HP G	3,447	1.58	2.00	0.18	0.45	0.70	0.51	0.92	3
4515	120/240V 10.0 KW 20 HP G	3,768	2.03	2.55	0.20	0.50	1.00	0.55	1.31	4
4520	120/240V 3.0 KW 6 HP D	3,990	1.02	1.23	0.22	0.53	0.15	0.59	0.19	4
4525	120/240V 6.0 KW 12 HP D	5,296	1.46	1.79	0.28	0.70	0.29	0.78	0.38	5
4530	120/240V 12.0 KW 22 HP D	7,623	2.26	2.77	0.40	1.01	0.54	1.13	0.70	7
4535	120/240V 15 KW 27 HP D	7,814	2.45	3.01	0.42	1.04	0.66	1.15	0.86	14
4540	120/240V 30 KW 63 HP D	11,592	4.31	5.38	0.62	1.53	1.53	1.71	2.02	19
4545	120/240V 45 KW 87 HP D	15,327	5.82	7.27	0.82	2.03	2.12	2.27	2.78	25
4550	120/240V 60 KW 102 HP D	17,615	6.75	8.43	0.94	2.33	2.48	2.61	3.26	26
4555	120/240V 75 KW 162 HP D	20,962	9.25	11.64	1.11	2.77	3.94	3.10	5.18	30
4560	120/240V 90 KW 162 HP D	21,962	9.47	11.89	1.17	2.91	3.94	3.25	5.18	30
4565	120/240V 125 KW 210 HP D	25,415	11.64	14.66	1.35	3.37	5.11	3.76	6.72	50
4570	120/240V 150 KW 276 HP D	30,117	14.58	18.46	1.60	3.98	6.71	4.46	8.83	65
	OVERLOWE									
4580	KP2250R PORTABLE 2.25 KW 5 HP G	951	0.51	0.65	0.06	0.13	0.25	0.14	0.33	1
4585	KP3000R PORTABLE 3.00 KW 7 HP G	1,036	0.65	0.83	0.06	0.14	0.35	0.16	0.46	2
4590	KP3750BIC PORTABLE 3.75 KW 8 HP G	1,456	0.80	1.02	0.08	0.19	0.40	0.22	0.52	2
4595	KP5000BIC PORTABLE 5.00 KW 10 HP G	1,840	1.00	1.27	0.10	0.24	0.50	0.27	0.65	2
4600	KP6500BICB PORTABLE 6.50 KW 16 HP G	1,931	1.39	1.78	0.10	0.25	0.80	0.28	1.05	3
4605	KP7500BICB PORTABLE 7.50 KW 16 HP G	1,828	1.37	1.75	0.10	0.24	0.80	0.27	1.05	3

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 **********											
		CATERPILLAR											
4620	MOD 120-G	POWER SHIFT ARTIC	125 HP	D	105,618	18.77	23.53	4.49	9.26	2.80	10.57	3.68	272
4625	MOD 130-G	POWER SHIFT ARTIC	135 HP	D	120,286	21.12	26.46	5.12	10.57	3.02	12.07	3.97	293
4630	MOD 12-G	POWER SHIFT ARTIC	135 HP	D	131,561	22.72	28.44	5.60	11.56	3.02	13.20	3.97	316
4635	MOD 140-G	POWER SHIFT ARTIC	150 HP	D	132,447	23.36	29.27	5.64	11.62	3.36	13.26	4.42	318
4640	MOD 14-G	POWER SHIFT ARTIC	180 HP	D	186,749	32.22	40.38	7.90	16.21	4.03	18.49	5.30	441
4645	MOD 16-G	POWER SHIFT ARTIC	250 HP	D	272,591	46.71	58.53	11.52	23.61	5.60	26.93	7.36	581
		CHAMPION											
4655	MOD 710A	ARTICULATED	135 HP	D	103,601	18.84	23.65	4.40	9.05	3.02	10.32	3.97	286
4660	MOD 720A	ARTICULATED	152 HP	D	123,689	22.20	27.87	5.25	10.81	3.40	12.34	4.47	335
4665	MOD 730A	ARTICULATED	180 HP	D	127,364	23.56	29.62	5.41	11.14	4.03	12.72	5.30	340
4670	MOD 740A	ARTICULATED	210 HP	D	139,907	26.21	32.96	5.95	12.26	4.70	14.00	6.18	345
4675	MOD 710	NON-ARTICULATED	135 HP	D	97,430	17.98	22.58	4.14	8.50	3.02	9.69	3.97	280
4680	MOD 720	NON-ARTICULATED	152 HP	D	107,718	19.97	25.10	4.57	9.39	3.40	10.71	4.47	315
4685	MOD 730	NON-ARTICULATED	180 HP	D	116,363	22.02	27.71	4.94	10.16	4.03	11.59	5.30	330
4690	MOD 740	NON-ARTICULATED	210 HP	D	131,898	25.09	31.57	5.60	11.54	4.70	13.17	6.18	345
4695	MOD 760	NON-ARTICULATED	210 HP	D	150,745	28.08	35.34	6.35	12.99	4.70	14.82	6.18	390
		FIAT-ALLIS											
4705	MOD-65B	DIRECT DRIVE	68 HP	D	58,050	10.30	12.92	2.47	5.09	1.52	5.82	2.00	135
4710	MOD-FG75	POWER SHIFT	130 HP	D	90,283	16.80	21.12	3.83	7.88	2.91	8.99	3.83	300
4715	MOD-FG85	POWER SHIFT	145 HP	D	97,132	18.26	22.96	4.12	8.46	3.25	9.65	4.27	310
4720	MOD-FG95	POWER SHIFT	160 HP	D	103,943	19.79	24.94	4.38	8.96	3.58	10.23	4.71	330
		GALION/DRESSER											
4730	MOD 400E	POWER SHIFT	125 HP	D	103,029	18.41	23.09	4.38	9.03	2.80	10.31	3.68	286
4735	MOD 450E	POWER SHIFT	145 HP	D	111,699	20.22	25.38	4.76	9.81	3.25	11.20	4.27	306
4740	MOD A-500	POWER SHIFT	145 HP	D	117,920	21.12	26.49	5.02	10.35	3.25	11.81	4.27	318

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	GRADERS, MOTOR (CONT'D) **********									
	GALION/DRESSER (CONT'D)									
4745	MOD A-550 POWER SHIFT 175 HP D	131,996	24.04	30.17	5.62	11.58	3.92	13.21	5.15	327
4750	MOD A-600 POWER SHIFT 197 HP D	136,915	25.38	31.89	5.82	12.01	4.41	13.71	5.80	336
4755	MOD A-606 POWER SHIFT 197 HP D	153,268	27.69	34.76	6.52	13.45	4.41	15.36	5.80	342
	JOHN DEERE									
4765	MOD 570A POWER SHIFT 85 HP D	84,871	14.67	18.36	3.60	7.41	1.90	8.45	2.50	205
4770	MOD 670A POWER SHIFT 125 HP D	104,445	18.61	23.34	4.44	9.16	2.80	10.46	3.68	275
4775	MOD 672A POWER SHIFT 125 HP D	123,347	21.30	26.68	5.25	10.81	2.80	12.34	3.68	286
4780	MOD 770A POWER SHIFT 150 HP D	119,430	21.50	27.00	5.08	10.46	3.36	11.95	4.42	310
4785	MOD 772A POWER SHIFT 150 HP D	138,690	24.20	30.32	5.90	12.18	3.36	13.91	4.42	320
	KOMATSU									
4795	GD 505A-2 ARTIC 130 HP D	99,045	18.05	22.68	4.20	8.64	2.91	9.86	3.83	275
4800	GD 605A-2 ARTIC 145 HP D	117,912	21.19	26.60	5.01	10.30	3.25	11.75	4.27	336
4805	GD 705A-4 ARTIC 200 HP D	163,674	29.59	37.18	6.91	14.15	4.48	16.14	5.89	425
4810	GD 825A-1 ARTIC 280 HP D	261,923	46.12	57.86	11.06	22.65	6.27	25.84	8.24	578
	TROJAN									
4820	MOD F105 POWER SHIFT 112 HP D	98,788	17.51	21.99	4.18	8.59	2.51	9.80	3.30	205
4825	MOD F155 POWER SHIFT 152 HP D	114,065	20.88	26.25	4.83	9.93	3.40	11.34	4.47	317
4830	MOD F155A POWER SHIFT 170 HP D	125,761	23.05	28.98	5.33	10.97	3.81	12.53	5.00	324
	HOISTS ******									
	AIR TUGGERS BEEBE									
4845	2000P110-24 1.0 T 225 CFM ROD	6,011	1.23		0.28	0.64	0.00			5
4850	5000P120-24 2.5 T 500 CFM ROD	9,622	2.00		0.45	1.02	0.00			16
4855	10000P 50-24 5.0 T 500 CFM ROD	11,640	2.48		0.54	1.23	0.00			22
4860	20000P 50-40 10.0 T 850 CFM ROD	30,142	6.07		1.41	3.20	0.00			55

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	HOISTS (CONT'D) **********									
	SKAGIT									
4870	BU-18 DOUBLE DRUM W/5/8" CABLE 100 HP D	72,673	16.66		3.40	7.71	2.43			85
4875	G-70 DOUBLE DRUM W/7/8" CABLE 100 HP D	98,218	21.46		4.60	10.43	2.43			126
4880	RB-80 DOUBLE DRUM W/1-1/8" CABLE 130 HP D	150,918	32.27		7.06	16.02	3.16			240
4885	RB-90WDOUBLE DRUM W/1-3/8" CABLE 150 HP D	167,908	36.07		7.85	17.82	3.65			300
	HYDRAULIC EXCAVATOR, CRAWLER MOUNTED ********** T/B = TELESCOPING BOOM B/H = BACKHOE									
	AKERMAN									
4900	MOD H7C .92 CY B/H 145 HP D	126,106	31.20	42.64	6.49	15.15	3.25	19.12	4.27	343
4905	MOD H10B 1.37 CY B/H 166 HP D	150,553	33.00	42.59	7.04	15.91	3.72	18.96	4.89	466
4910	MOD H14B 1.64 CY B/H 209 HP D	180,021	39.75	51.28	8.42	19.03	4.68	22.67	6.15	595
4915	MOD H16D 1.90 CY B/H 262 HP D	276,966	59.54	76.80	12.94	29.27	5.87	34.88	7.71	873
4920	MOD H25C 2.55 CY B/H 326 HP D	435,988	84.91	105.42	18.85	41.72	7.30	48.00	9.60	1261
	BADGER (HOPTO)									
4930	MOD 311 1.88 CY B/H 235 HP D	236,550	51.15	65.99	11.06	25.00	5.26	29.79	6.92	745
4935	MOD 900B 2.00 CY B/H 308 HP D	285,583	62.41	80.53	13.34	30.18	6.90	35.97	9.07	1015
4940	MOD 1900 5.00 CY B/H 616 HP D	596,067	120.75	150.25	25.77	57.04	13.80	65.63	18.14	2050
	BADGER (HOPTO) (CONT'D)									
4955	MOD 880D "E" BOOM .63 CY B/H 114 HP D	74,710	19.34	26.40	3.84	8.97	2.55	11.32	3.36	310
4960	MOD 1080 .75 CY B/H 153 HP D	97,450	25.37	34.60	5.01	11.70	3.43	14.77	4.50	400
4965	MOD 1280B 1.00 CY B/H 198 HP D	122,719	28.59	36.93	5.73	12.97	4.44	15.46	5.83	495
	CATERPILLAR									
4975	MOD 205 .50 CY B/H 71 HP D	66,514	16.28	22.26	3.42	7.99	1.59	10.08	2.09	285
4980	MOD 211 .68 CY B/H 94 HP D	83,509	20.61	28.15	4.30	10.04	2.11	12.66	2.77	326
4985	MOD 213 .86 CY B/H 102 HP D	95,714	23.42	32.03	4.92	11.49	2.28	14.51	3.00	358

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D) ********** T/B = TELESCOPING BOOM B/H = BACKHOE									
	CATERPILLAR (CONT'D)									
4990	MOD 215B LC 1.00 CY B/H 105 HP D	119,363	28.53	39.04	6.14	14.34	2.35	18.09	3.09	400
4995	MOD 225 1.25 CY B/H 135 HP D	161,232	34.18	44.08	7.54	17.04	3.02	20.30	3.97	504
5000	MOD 235 1.50 CY B/H 195 HP D	292,266	60.63	78.17	13.65	30.88	4.37	36.81	5.74	904
5005	MOD 245 2.50 CY B/H 325 HP D	454,392	94.88	122.30	21.24	48.03	7.28	57.23	9.57	1395
	FIAT-ALLIS									
5015	MOD FE18 .74 CY B/H 86 HP D	105,106	24.92	34.11	5.41	12.62	1.93	15.93	2.53	372
5020	MOD FE20 .90 CY B/H 105 HP D	119,142	28.48	38.97	6.13	14.31	2.35	18.06	3.09	452
5025	MOD FE28 1.33 CY B/H 152 HP D	161,136	34.62	44.66	7.53	17.03	3.40	20.29	4.47	585
5030	MOD FE40L 2.10 CY B/H 243 HP D	249,967	53.92	69.54	11.68	26.42	5.44	31.48	7.15	984
	GRADALL									
5040	MOD G-660C .88 CY T/B 145 HP D	165,908	39.63	54.23	8.54	19.93	3.25	25.15	4.27	452
5045	MOD G-880C 1.00 CY T/B 145 HP D	198,074	46.45	63.60	10.20	23.80	3.25	30.02	4.27	536
5050	MOD G-1000 1.25 CY T/B 272 HP D	266,464	57.83	74.60	12.46	28.17	6.09	33.56	8.01	787
	HITACHI									
5060	MOD UH 083 1.13 CY B/H 115 HP D	112,926	24.51	31.62	5.28	11.94	2.58	14.23	3.39	408
5065	MOD UH 123 1.50 CY B/H 157 HP D	176,479	37.67	48.59	8.25	18.65	3.52	22.23	4.62	573
5070	MOD UH 181 2.38 CY B/H 270 HP D	269,943	58.43	75.37	12.62	28.53	6.05	33.99	7.95	904
5075	MOD UH 261 3.38 CY B/H 476 HP D	390,916	81.16	101.12	16.90	37.41	10.66	43.05	14.01	1320
5080	MOD UH 501 5.25 CY B/H 540 HP D	527,155	103.43	125.43	21.30	45.01	12.10	50.44	15.90	1980
5085	MOD UH 801 8.38 CY B/H 800 HP D	931,084	178.42	215.92	37.63	79.50	17.92	89.10	23.55	3460
	INSLEY									
5095	MOD H600C .75 CY B/H 135 HP D	103,712	26.14	35.70	5.34	12.46	3.02	15.72	3.97	385
5100	MOD H800C 1.00 CY B/H 160 HP D	125,311	31.49	43.02	6.45	15.05	3.58	19.00	4.71	440
5105	MOD H1000C 1.25 CY B/H 180 HP D	148,053	32.91	42.47	6.92	15.65	4.03	18.65	5.30	517

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

Service Life From APP. D	Equipment Useage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.91
6,000	1.00	0.98	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.87
8,000	1.00	0.98	0.96	0.94	0.93	0.92	0.90	0.89	0.88	0.87	0.86	0.86	0.85
9,000	1.00	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.84	0.83
10,000	1.00	0.97	0.96	0.93	0.92	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82
11,000	1.00	0.97	0.96	0.93	0.91	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.81
12,000	1.00	0.97	0.95	0.93	0.91	0.89	0.87	0.86	0.84	0.83	0.82	0.81	0.80
13,000	1.00	0.97	0.95	0.92	0.90	0.88	0.87	0.85	0.83	0.82	0.81	0.80	0.79
14,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.84	0.83	0.81	0.80	0.79	0.78
15,000	1.00	0.96	0.95	0.91	0.89	0.87	0.85	0.84	0.82	0.80	0.79	0.78	0.77
16,000	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
18,000	1.00	0.96	0.94	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.77	0.76	0.74
20,000	1.00	0.96	0.93	0.90	0.87	0.85	0.83	0.80	0.78	0.77	0.75	0.74	0.72
22,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.79	0.77	0.75	0.74	0.73	0.71
50,000	1.00	0.93	0.90	0.84	0.80	0.76	0.73	0.70	0.66	0.63	0.61	0.59	0.57

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D) ********** T/B = TELESCOPING BOOM B/H = BACKHOE									
	KOMATSU									
5225	MOD PC 120-3 .65 CY B/H 82 HP D	85,378	20.63	28.20	4.40	10.26	1.84	12.94	2.41	256
5230	MOD PC 150-3 .82 CY B/H 99 HP D	101,328	24.53	33.54	5.21	12.17	2.22	15.36	2.91	312
5235	MOD PC 200 LC-3 1.05 CY B/H 118 HP D	133,997	28.57	36.84	6.26	14.16	2.64	16.88	3.47	423
5240	MOD PC 220 LC-3 1.31 CY B/H 148 HP D	170,464	36.30	46.81	7.97	18.02	3.32	21.47	4.36	512
5245	MOD PC 300 LC-3 1.70 CY B/H 197 HP D	205,057	44.16	56.98	9.58	21.67	4.41	25.83	5.80	679
5250	MOD PC 650-1 3.60 CY B/H 404 HP D	493,901	97.14	120.67	21.35	47.26	9.05	54.38	11.89	1433
	UNIT									
5260	MOD H202CT SER II 1.25 CY B/H 152 HP D	151,057	32.71	42.20	7.06	15.96	3.40	19.02	4.47	475
5265	MOD H342 1.63 CY B/H 228 HP D	243,956	52.38	67.54	11.41	25.79	5.11	30.72	6.71	723
5270	MOD H471 1.75 CY B/H 304 HP D	302,416	65.49	84.49	14.13	31.96	6.81	38.08	8.95	972
	HYDRAULIC EXCAVATOR, TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRRIER) T/B = TELESCOPING BOOM B/H = BACKHOE									
	CATERPILLAR									
5285	MOD 206 .59 CY B/H 71 HP D	76,907	11.63	13.85	2.98	6.08	1.73	6.73	2.27	246
5290	MOD 212 .77 CY B/H 94 HP D	96,299	14.64	17.45	3.74	7.65	2.29	8.47	3.01	275
5295	MOD 214 .95 CY B/H 102 HP D	107,753	16.23	19.34	4.19	8.58	2.48	9.50	3.26	321
5300	MOD 224 1.18 CY B/H 124 HP D	138,492	18.93	22.11	5.04	9.77	3.02	10.59	3.97	413
	GRADALL									
5310	MOD G-3R .50 CY T/B 125 HP D	127,495	19.19	22.88	4.98	10.24	3.04	11.35	4.00	360
5315	MOD G-3W .50 CY T/B 125/205 HP D/D	138,229	22.06	26.22	5.39	11.04	4.11	12.22	5.25	380
5320	MOD G-660C .88 CY T/B 145/210 HP D/G	186,412	29.03	34.69	7.28	14.97	5.12	16.59	6.71	422
5325	MOD G-880C 1.00 CY T/B 145/210 HP D/D	226,097	33.05	39.11	8.82	18.13	4.62	20.10	5.92	535
5330	MOD G-1000 1.25 CY T/B 272/312 HP D/D	294,962	42.54	49.75	10.75	20.86	8.24	22.59	10.60	726

EQUIPMENT RATE CALCULATIONS

FOR USE WITH EP 1110-1-8

DATE		SHT	OF
PROJECT		EFFECTIVE PERIOD	
LOCATION	ESTIMATOR	CHECKED BY	
	SPECIAL INFORMATION STANDBY		

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

TABLE 3-1. 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
	LAWNMOWERS (CONT'D) **********									
	TORO (CONT'D)									
5450	MOD 117 52" GROUNDMASTER 17 HP G	6,529	3.86		0.54	1.54	1.05			9
5455	MOD 217D 62" GROUNDMASTER 17 HP D	10,707	4.82		0.87	2.53	0.51			13
5460	MOD 220 62" GROUNDMASTER 20 HP G	9,180	5.12		0.74	2.16	1.23			11
5465	MOD 327 72" GROUNDMASTER 27 HP G	12,482	6.96		1.02	2.96	1.66			17
5470	MOD 322D 72" GROUNDMASTER 22 HP D	13,251	6.02		1.09	3.15	0.66			14
	LIGHTING SETS, TRAILER MOUNTED **********									
	ALLMAND METALLIC VAPOR									
5485	MAXI-LITE III 4/1000W 15 HP D	14,046	4.95		0.71	1.65	0.48			29
	AMIDA METALLIC VAPOR									
5495	MOD 5000 3.0KW 2/1000W W GENERATO 6 HP G	10,208	3.63		0.52	1.19	0.39			2
5500	MOD 5000 4.0KW 2/1000W W GENERATO 10 HP D	8,849	3.12		0.44	1.02	0.32			2
5505	MOD 5000 6.5KW 4/1000W W GENERATO 14 HP G	11,069	4.56		0.56	1.29	0.92			3
5510	MOD 5000 8.0KW 4/1000W W GENERATO 15 HP D	12,740	4.54		0.64	1.49	0.48			3
	OVER-LOWE METALLIC VAPOR									
5520	TM 352 2/1000W 3 KW 6 HP D	11,136	3.68		0.57	1.30	0.19			17
5525	TM 354 4/1000W 6 KW 12 HP D	14,717	5.03		0.75	1.73	0.38			22
5530	TM 356 6/1000W 8 KW 15 HP D	17,324	5.98		0.88	2.05	0.48			24

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
15	AGGREGATE SPREADERS	1.03	1.00	1.00	0.97	0.96	0.97	0.91						
30	AIR COMPRESSORS	1.03	1.00	1.00	0.97	0.98	0.96	0.90						
45	AIR TOOLS, SANDBLASTERS, ETC	1.04	1.00	1.00										
60	ASPHALT DISTRIBUTORS	1.03	1.00	1.00	0.97	0.96	0.97	0.91						
65	ASPHALT AND CONCRETE PAVERS	1.03	1.00	1.00	0.97	0.96	0.97	0.91						
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.01	1.00	0.98	0.97	0.95							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.04	1.01	1.00	0.98	0.97	0.95	0.88						
80	BRUSH CHIPPERS	1.04	1.01	1.00	0.98	0.97	0.95	0.88						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.05	1.02	1.00	0.98	0.96	0.98	0.93						
95	BUCKETS, CONCRETE	1.05	1.02	1.00	0.97	0.96	0.98	0.93						
105	CONCRETE OR GROUT PUMP	1.04	1.01	1.00	0.98	0.97	0.95							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.01	1.00	0.98	0.97	0.95							
125	CONCRETE FINISHERS, BLASTERS & BUGGIES	1.05	1.01	1.00	0.98	0.97								
130	CONCRETE SAWS	1.04	1.01	1.00	0.98	0.97	0.95							
135	CONCRETE VIBRATORS	1.04	1.00	1.00										
140	COMPACTORS, MANUALLY OPERATED	1.04	1.00	1.00	0.97	0.98								
	CRANE, CRAWLER TYPE													
150	0 THRU 25 TON	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74				
165	OVER 25 TON THRU 50 TON	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74	0.68	0.63		
170	OVER 50 TON THRU 150 TON	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.75	0.69	0.64	0.60	0.56
180	OVER 150 TON	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.83	0.75	0.69	0.64	0.61	0.56
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74				
190	OVER 1 CY THRU 2-1/2 CY	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74	0.68	0.63		
195	OVER 2-1/2 CY THRU 5 CY	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.75	0.68	0.64	0.60	0.55
196	OVER 5 CY	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.83	0.75	0.69	0.64	0.61	0.56
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74	0.68	0.63		
205	CRANES, TOWER	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.83	0.75	0.69	0.64	0.61	0.56
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74	0.68	0.63		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.75	0.68	0.64	0.60	0.55
230	66 THRU 125 T	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.75	0.69	0.64	0.60	0.56
240	OVER 125 T	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.83	0.75	0.69	0.64	0.61	0.56
255	DRILL, AUGER	1.02	0.99	1.00	0.99	1.00	0.99	0.92						
270	DRILL, BLAST HOLE	1.02	0.99	1.00	0.99	1.00	0.99	0.92						
300	DRILL, CORE	1.02	0.99	1.00	0.99	1.00	0.99	0.92						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	0.99	1.00	0.99	1.00	0.99	0.92	0.80	0.71	0.66	0.60		
330	DRILL, ROTARY OVER 11" DIA.	1.02	0.99	1.00	0.99	1.00	0.99	0.92	0.81	0.71	0.67	0.61	0.59	0.57
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	0.99	1.00	0.99	1.00	0.99	0.92	0.81	0.71	0.67	0.61	0.59	0.57
375	FORK LIFTS	1.04	1.01	1.00	0.98	0.97	0.95	0.88						
390	GRADERS	1.03	1.00	1.00	0.97	0.97	0.95	0.87	0.80	0.71				
420	GENERATORS	1.03	1.00	1.00	0.97	0.94	0.92							
435	HOIST	1.04	1.01	1.00	0.98	0.97	0.95	0.88						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
438	LAWN MOWERS	1.05	1.01	1.00										
440	LIGHT PLANTS	1.05	1.01	1.00	0.98	0.97	0.94							
450	LOADER, BELT	1.04	1.01	1.00	0.98	0.97	0.95	0.88						
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.03	1.00	1.00	1.01	1.01	0.97	0.89						
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.03	1.00	1.00	0.99	0.97	0.95	0.86						
470	OVER 225 HP	1.03	1.00	1.00	0.99	0.97	0.95	0.86	0.74	0.65				

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)									
5680	DOUBLE DECK SCREEN DC-90-54 9'X54	8,128	1.61	2.06	0.38	0.86	0.00	1.02	0.00	43
5685	TRIPLE DECK SCREEN TC-90-54 9'X54	12,087	2.40	3.07	0.57	1.29	0.00	1.53	0.00	54
5690	XHD CONVEYOR JACKLEG	1,230	0.24	0.31	0.06	0.13	0.00	0.15	0.00	9
5695	101XHD 42"X50' 1260 T/HR 84 HP D	54,319	14.86	19.77	2.46	5.42	2.04	6.44	2.69	180
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5705	PLATE FEEDER DOZER TRAP MODEL 45	10,936	2.17	2.78	0.52	1.17	0.00	1.38	0.00	48
5710	BELT FEEDER DOZER TRAP MODEL 5 HP D	14,317	2.99	3.84	0.67	1.52	0.12	1.81	0.16	45
5715	WING WALLS STATIONARY	1,397	0.28	0.36	0.07	0.15	0.00	0.18	0.00	9
5720	TUNNEL EXTENSION W/BACKBOARDS	7,019	1.40	1.78	0.33	0.75	0.00	0.88	0.00	61
5725	SINGLE DECK SCREEN SB-100 60"X10'	7,495	1.48	1.91	0.35	0.79	0.00	0.95	0.00	37
5730	DOUBLE DECK SCREEN DC-100 60"X10'	9,579	1.90	2.43	0.45	1.02	0.00	1.21	0.00	55
5735	XHD CONVEYOR JACKLEG	1,230	0.24	0.31	0.06	0.13	0.00	0.15	0.00	9
5740	101XHD 48"X50' 1700 T/HR 128 HP D	93,383	23.53	30.74	4.29	9.59	3.11	11.42	4.10	265
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5750	PLATE FEEDER DOZER TRAP MODEL 45	13,429	2.65	3.41	0.63	1.42	0.00	1.70	0.00	51
5755	WING WALLS STATIONARY	1,397	0.28	0.36	0.07	0.15	0.00	0.18	0.00	9
5760	TUNNEL EXTENSION W/BACKBOARDS	7,057	1.40	1.79	0.33	0.75	0.00	0.89	0.00	66
5765	SINGLE DECK SCREEN SB-120 60"X12'	10,904	2.15	2.77	0.51	1.15	0.00	1.38	0.00	53
5770	DOUBLE DECK SCREEN DC-120 60"X12'	16,009	3.17	4.06	0.75	1.70	0.00	2.02	0.00	77
5775	TRIPLE DECK SCREEN TC-120 60"X12'	22,570	4.47	5.73	1.06	2.40	0.00	2.85	0.00	80
5780	XHD CONVEYOR JACKLEG	1,230	0.24	0.31	0.06	0.13	0.00	0.15	0.00	9
5785	303 48"X50' 2000 CY/HR 125 HP D	170,720	42.01	55.84	7.74	17.14	3.04	20.37	4.00	627
5790	303 48"X60' 2000 CY/HR 185 HP D	189,934	47.79	63.36	8.64	19.17	4.50	22.78	5.92	662
5795	303 60"X50' 3600 CY/HR 185 HP D	196,235	50.83	68.08	8.85	19.51	4.50	23.18	5.92	682
5800	303 60"X60' 3600 CY/HR 290 HP D	226,010	61.18	82.00	10.19	22.46	7.05	26.69	9.28	737
5805	404 48"X50' 2000 CY/HR 185 HP D	211,399	51.93	68.65	9.64	21.45	4.50	25.52	5.92	616
5810	404 48"X60' 2000 CY/HR 185 HP D	223,373	54.40	71.85	10.20	22.71	4.50	27.01	5.92	650

EQUIPMENT RATE CALCULATIONS

FOR USE WITH EP 1110-1-8

DATE		SHT	OF
PROJECT		EFFECTIVE PERIOD	
LOCATION	ESTIMATOR	CHECKED BY	

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

TABLE 3-1. 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	AVERAGE COND. FUEL	SEVERE COND. OWNER-SHIP	SEVERE COND. FUEL	CWT
	LOADERS, F.E., CRAWLER TYPE (CONT'D) **********												
	FIAT-ALLIS												
5940	FL5	1 CY	63 HP	D	46,366	13.06	16.49	2.17	4.93	1.65	5.88	2.18	165
5945	FL7	1-1/4 CY	78 HP	D	56,194	15.88	20.06	2.63	5.97	2.05	7.13	2.70	198
5950	FL9	1-5/8 CY	87 HP	D	65,338	18.34	23.15	3.06	6.95	2.28	8.29	3.01	252
5955	FL10C	2 CY	122 HP	D	87,385	24.73	31.22	4.09	9.29	3.20	11.08	4.22	300
5960	FL14C	2-5/8 CY	150 HP	D	117,014	32.63	41.17	5.47	12.44	3.94	14.84	5.18	410
5965	FL20	3-1/2 CY	223 HP	D	169,086	47.38	59.80	7.92	17.99	5.85	21.45	7.71	585
	INTERNATIONAL												
5975	100-E	1-1/8 CY	65 HP	D	51,336	14.29	18.02	2.40	5.46	1.71	6.51	2.25	161
5980	125-E	1-3/8 CY	78 HP	D	65,481	18.05	22.75	3.06	6.96	2.05	8.30	2.70	199
5985	175-C	2 CY	130 HP	D	101,996	28.42	35.86	4.78	10.85	3.41	12.94	4.49	338
5990	250-C	2-3/4 CY	190 HP	D	150,102	41.76	52.70	7.02	15.96	4.99	19.03	6.57	452
	JOHN DEERE												
6000	JD350-C	3/4 CY	42 HP	D	37,733	10.30	12.97	1.77	4.02	1.10	4.79	1.45	119
6005	JD455-E	1-1/4 CY	70 HP	D	49,308	14.01	17.67	2.31	5.25	1.84	6.25	2.42	172
6010	JD555-B	1-3/8 CY	78 HP	D	61,229	17.06	21.53	2.87	6.51	2.05	7.77	2.70	188
6015	JD655-B	2 CY	120 HP	D	89,913	25.25	31.88	4.21	9.56	3.15	11.41	4.15	324
6020	JD755-B	2-1/4 CY	140 HP	D	104,967	29.47	37.19	4.92	11.17	3.67	13.31	4.84	355
6025	JD855	2-3/4 CY	200 HP	D	156,683	43.65	55.09	7.33	16.66	5.25	19.87	6.91	460
	KOMATSU												
6035	D31S-17	1.3 CY	66 HP	D	45,991	13.08	16.53	2.15	4.89	1.73	5.84	2.28	156
6040	D41S-3	1.6 CY	90 HP	D	65,609	18.51	23.36	3.07	6.98	2.36	8.32	3.11	262
6045	D53S-16	1.8 CY	110 HP	D	84,310	23.59	29.75	3.95	8.97	2.89	10.69	3.80	300
6050	D57S-1	2.1 CY	135 HP	D	107,290	29.83	37.63	5.02	11.41	3.54	13.61	4.67	340
6055	D66S-1	2.6 CY	160 HP	D	128,994	35.78	45.13	6.04	13.72	4.20	16.36	5.53	418
6060	D75S-3	3.3 CY	200 HP	D	155,685	43.42	54.80	7.28	16.55	5.25	19.74	6.91	485

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
15	AGGREGATE SPREADERS	1.04	1.00	1.00	0.97	0.95	0.97	0.90						
30	AIR COMPRESSORS	1.04	1.00	1.00	0.97	0.97	0.95	0.88						
45	AIR TOOLS, SANDBLASTERS, ETC	1.04	1.00	1.00										
60	ASPHALT DISTRIBUTORS	1.03	1.00	1.00	0.97	0.96	0.97	0.90						
65	ASPHALT AND CONCRETE PAVERS	1.04	1.00	1.00	0.97	0.96	0.97	0.90						
70	ASPHALT KETTLES AND RECYCLERS	1.05	1.01	1.00	0.98	0.97	0.94							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.05	1.01	1.00	0.98	0.97	0.94	0.87						
80	BRUSH CHIPPERS	1.05	1.01	1.00	0.98	0.97	0.94	0.87						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.06	1.02	1.00	0.97	0.96	0.98	0.92						
95	BUCKETS, CONCRETE	1.06	1.02	1.00	0.97	0.96	0.98	0.92						
105	CONCRETE OR GROUT PUMP	1.05	1.01	1.00	0.98	0.97	0.94							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.05	1.01	1.00	0.98	0.97	0.94							
125	CONCRETE FINISHERS, BLASTERS & BUGGIES	1.05	1.01	1.00	0.98	0.96								
130	CONCRETE SAWS	1.05	1.01	1.00	0.98	0.97	0.94							
135	CONCRETE VIBRATORS	1.04	1.00	1.00										
140	COMPACTORS, MANUALLY OPERATED	1.04	1.00	1.00	0.97	0.97								
	CRANE, CRAWLER TYPE													
150	0 THRU 25 TON	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71				
165	OVER 25 TON THRU 50 TON	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.72	0.65	0.59		
170	OVER 50 TON THRU 150 TON	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.64	0.59	0.55	0.49
180	OVER 150 TON	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.64	0.59	0.55	0.50
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71				
190	OVER 1 CY THRU 2-1/2 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.72	0.65	0.59		
195	OVER 2-1/2 CY THRU 5 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.72	0.65	0.60	0.56	0.51
196	OVER 5 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.64	0.59	0.55	0.50
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.72	0.65	0.60		
205	CRANES, TOWER	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.79	0.70	0.63	0.58	0.53	0.48
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.71	0.65	0.59		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.72	0.65	0.60	0.56	0.50
230	66 THRU 125 T	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.81	0.72	0.65	0.60	0.56	0.51
240	OVER 125 T	1.07	1.03	1.00	0.98	0.96	0.94	0.88	0.81	0.72	0.66	0.60	0.56	0.51
255	DRILL, AUGER	1.02	0.99	1.00	0.99	1.00	0.99	0.91						
270	DRILL, BLAST HOLE	1.02	0.99	1.00	0.99	1.00	0.99	0.91						
300	DRILL, CORE	1.02	0.99	1.00	0.99	1.00	0.99	0.91						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	0.99	1.00	0.99	1.00	0.99	0.91	0.77	0.67	0.61	0.55		
330	DRILL, ROTARY OVER 11" DIA.	1.02	0.99	1.00	0.99	1.00	0.99	0.91	0.78	0.68	0.62	0.56	0.54	0.51
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	0.99	1.00	0.99	1.00	0.99	0.91	0.78	0.68	0.62	0.56	0.54	0.51
375	FORK LIFTS	1.05	1.01	1.00	0.98	0.97	0.94	0.87						
390	GRADERS	1.04	1.00	1.00	0.97	0.97	0.94	0.85	0.76	0.66				
420	GENERATORS	1.04	1.00	1.00	0.96	0.94	0.91							
435	HOIST	1.05	1.01	1.00	0.98	0.97	0.94	0.87						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
438	LAWN MOWERS	1.05	1.01	1.00										
440	LIGHT PLANTS	1.05	1.01	1.00	0.98	0.96	0.94							
450	LOADER, BELT	1.05	1.01	1.00	0.98	0.97	0.94	0.87						
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.03	1.00	1.00	1.01	1.01	0.97	0.87						
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.04	1.00	1.00	0.99	0.97	0.94	0.84						
470	OVER 225 HP	1.04	1.00	1.00	0.99	0.97	0.95	0.85	0.71	0.62				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., WHEEL TYPE (CONT'D) **********									
	CATERPILLAR									
6180	910 1-1/4 CY ARTIC 65 HP D	48,324	11.14	14.62	2.20	4.75	1.58	5.62	2.08	145
6185	IT12 (INTEGRATED TOOL CARRIER) 65 HP D	57,417	12.71	16.58	2.62	5.67	1.58	6.72	2.08	172
6190	916 1-1/2 CY ARTIC 85 HP D	69,773	15.60	20.30	3.18	6.91	2.07	8.19	2.72	183
6195	IT18 (INTEGRATED TOOL CARRIER) 85 HP D	74,762	16.46	21.38	3.42	7.42	2.07	8.80	2.72	204
6200	920 1-3/4 CY ARTIC 80 HP D	70,987	15.65	20.35	3.25	7.04	1.95	8.35	2.56	186
6205	926 2 CY ARTIC 105 HP D	79,711	18.00	23.36	3.65	7.93	2.55	9.40	3.36	198
6210	IT28 (INTEGRATED TOOL CARRIER) 105 HP D	85,037	18.92	24.52	3.90	8.47	2.55	10.05	3.36	231
6215	930 2-1/4 CY ARTIC 100 HP D	81,314	18.24	23.79	3.71	8.04	2.43	9.54	3.20	212
6220	936 2-1/2 CY ARTIC 125 HP D	100,184	22.38	29.01	4.59	9.97	3.04	11.83	4.00	261
6225	950-B 3 CY ARTIC 155 HP D	130,013	29.06	37.93	5.93	12.84	3.77	15.22	4.96	328
6230	966-D 4 CY ARTIC 200 HP D	179,690	39.93	52.38	8.17	17.66	4.86	20.94	6.40	441
6235	980-C 5-1/4 CY ARTIC 270 HP D	242,348	50.64	66.37	10.19	22.11	6.57	25.40	8.64	601
6240	988-B 7 CY ARTIC 375 HP D	349,855	71.17	93.02	14.58	31.40	9.12	36.03	12.00	892
6245	992-C 13-1/2 CY ARTIC 690 HP D	714,012	145.25	192.50	29.48	63.01	16.78	72.26	22.08	1928
	CLARK/MICHIGAN									
6255	35C 1-1/2 CY 85 HP D	61,668	14.15	18.42	2.82	6.11	2.07	7.24	2.72	180
6260	45C 2 CY 110 HP D	72,282	16.90	21.99	3.30	7.17	2.68	8.50	3.52	206
6265	55C 2-1/2 CY ARTIC 121 HP D	84,147	19.46	25.36	3.84	8.33	2.94	9.88	3.87	262
6270	75C 3 CY ARTIC 154 HP D	122,911	27.98	36.77	5.58	12.05	3.75	14.28	4.93	313
6275	125C 4 CY ARTIC 203 HP D	165,725	37.92	50.18	7.49	16.13	4.94	19.12	6.50	437
6280	175C 5 CY ARTIC 279 HP D	225,472	48.31	63.61	9.46	20.49	6.79	23.54	8.93	565
6285	275C 7 CY ARTIC 360 HP D	329,647	66.42	85.88	13.83	29.95	8.76	34.39	11.52	864
6290	475C 12 CY ARTIC 612 HP D	618,298	124.89	164.01	25.68	55.17	14.88	63.29	19.58	1689

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	AVERAGE COND. FUEL	SEVERE COND. OWNER-SHIP	SEVERE COND. FUEL	CWT
	LOADERS, F.E., WHEEL TYPE (CONT'D) **********									
	JOHN DEERE (CONT'D)									
6425	544C 2 CY ARTIC 105 HP D	76,319	17.33	22.41	3.50	7.62	2.55	9.03	3.36	197
6430	644C 3 CY ARTIC 145 HP D	109,712	25.10	32.82	5.00	10.82	3.53	12.82	4.64	260
6435	844 4-1/2 CY ARTIC 260 HP D	203,090	44.24	58.64	8.50	18.35	6.32	21.06	8.32	490
	KAWASAKI									
6445	KSS-65Z 2.2 CY 104 HP D	66,332	15.80	20.74	3.02	6.52	2.53	7.72	3.33	225
6450	KSS-70 3.0 CY 158 HP D	92,935	22.75	30.06	4.21	9.06	3.84	10.73	5.06	305
6455	KSS-80ZII 3.5 CY 165 HP D	99,539	24.20	31.94	4.51	9.71	4.01	11.51	5.28	327
6460	KSS-85ZII 4.0 CY 217 HP D	135,566	32.91	43.60	6.13	13.17	5.28	15.58	6.94	409
6465	KSS-95ZII 5.5 CY 305 HP D	186,466	42.66	56.48	7.80	16.86	7.42	19.35	9.76	615
6470	KSS-110Z 7.5 CY 383 HP D	293,299	62.63	82.80	12.13	25.96	9.31	29.77	12.26	864
	MASSEY FERGUSON									
6480	MF 30E 3/4 CY 48 HP D	27,344	6.55	8.47	1.25	2.72	1.17	3.23	1.54	69
6485	MF 50E 3/4 CY 65 HP D	29,768	7.61	9.88	1.36	2.95	1.58	3.50	2.08	80
6490	MF 50HX 1 CY 72 HP D	33,030	8.64	11.41	1.49	3.21	1.75	3.80	2.30	96
	TEREX (GM)									
6500	33C 2 CY 103 HP D	65,993	15.70	20.61	3.00	6.48	2.50	7.68	3.30	216
6505	44D 2-1/2 CY 123 HP D	77,036	18.31	23.91	3.52	7.61	2.99	9.02	3.94	250
6510	55C 3-1/4 CY 144 HP D	106,956	24.76	32.59	4.85	10.47	3.50	12.41	4.61	280
6515	60C 3-1/2 CY 168 HP D	114,624	26.92	35.34	5.21	11.25	4.09	13.34	5.38	309
6520	66C 4 CY 210 HP D	148,870	34.93	46.08	6.75	14.54	5.11	17.22	6.72	425
6525	70C 4-1/2 CY 247 HP D	167,142	35.84	46.10	7.09	15.51	6.01	17.83	7.90	433
6530	80C 5-1/2 CY 307 HP D	225,394	49.19	64.74	9.46	20.49	7.47	23.52	9.82	590
6535	90C 7-1/2 CY 460 HP D	335,301	71.59	93.84	13.94	29.99	11.19	34.42	14.72	989

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	OWT
	WAGONS, REAR DUMP **********									
	CATERPILLAR-ATHEY									
10570	621B/PR621B 33T 22-26CY P.S. 330 HP D	272,161	55.20	72.05	11.40	24.67	8.03	28.32	10.56	630
10575	631D/PR631D 40T 27-32CY P.S. 450 HP D	391,206	78.11	101.78	16.43	35.61	10.94	40.90	14.40	833
	WATER BLASTER **********									
	ACE									
10590	MOD S6 3000GE PORTABLE 3000 PSI 18 HP D	4,700	2.44		0.28	0.72	0.65			3
10595	MOD S5 3500GE PORTABLE 3000 PSI 18 HP D	4,778	2.48		0.29	0.74	0.65			3
10600	MOD S5 3000E SKID MTD 3000 PSI 10 HP E	3,923	1.34		0.23	0.59	0.00			3
10605	MOD S6 3000E SKID MTD 3000 PSI 15 HP E	4,487	1.54		0.27	0.69	0.00			3
	AMERICAN AERO/WEATHERFORD									
10615	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	34,404	16.11		2.11	5.49	3.26			42
10620	WBDI50 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	52,084	25.43		3.20	8.33	5.73			70
	WATER TANKS **********									
	SKID MOUNTED									
10635	WST-8 8000 GAL. SOUTHWEST	15,786	2.14		0.68	1.46	0.00			107
10640	WST-10 10000 GAL. SOUTHWEST	18,395	2.49		0.79	1.70	0.00			122
10645	WST-12 12000 GAL. SOUTHWEST	21,401	2.90		0.92	1.98	0.00			142
	PORTABLE (WITH WHEELS)									
10655	EWT-8 8000 GAL. SOUTHWEST 8 HP G	28,726	4.49		1.21	2.57	0.40			130
10660	EWT-10 10000 GAL. SOUTHWEST 8 HP G	32,463	4.99		1.37	2.91	0.40			170
10665	EWT-12 12000 GAL. SOUTHWEST 8 HP G	36,010	5.48		1.53	3.25	0.40			185

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE	BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	LOADER/BH, WHL. TYPE TRACTOR (CONT'D) **********									
	FORD									
6640	340B LDR/BH 16 CF FE BUCKET 48 HP D 24" B/H DIPPER	33,168	7.82	9.95	1.51	3.27	1.17	3.88	1.54	103
6645	445A LDR/BH 3/4 CY FE BUCKET 48 HP D 24" B/H DIPPER	36,824	8.49	10.78	1.69	3.65	1.17	4.32	1.54	114
6650	545A LDR/BH 3/4 CY FE BUCKET 60 HP D 24" B/H DIPPER	39,205	9.31	11.83	1.79	3.89	1.46	4.61	1.92	119
6655	555B LDR/BH 1 CY FE BUCKET 63 HP D 24" B/H DIPPER	43,893	10.37	13.19	2.00	4.32	1.53	5.12	2.02	135
6660	655A LDR/BH 1 CY FE BUCKET 72 HP D 24" B/H DIPPER	48,932	11.57	14.71	2.23	4.83	1.75	5.73	2.30	149
6665	755A LDR/BH 1 1/2 CY FE BUCKET 100 HP D 24" B/H DIPPER	69,709	16.28	20.64	3.19	6.95	2.43	8.24	3.20	167
	MASSEY FERGUSON									
6675	MF 30E LDR/BH 3/4 CY FE BUCKET 48 HP D 24" B/H DIPPER	37,693	8.56	10.82	1.73	3.78	1.17	4.48	1.54	107
6680	MF 50E LDR/BH 1 CY FE BUCKET 65 HP D 24" B/H DIPPER	42,857	10.09	12.79	1.96	4.28	1.58	5.08	2.08	120
6685	MF 50HX LDR/BH 1 CY FE BUCKET 72 HP D 24" B/H DIPPER	45,303	10.92	13.88	2.06	4.46	1.75	5.28	2.30	129
	LOADER/BACKHOE, CRLR TYPE TRACTOR **********									
	CASE									
6700	455C LDR/BHOE 1 CY FE BUCKET 63 HP D 24" B/H DIPPER	71,752	18.96	23.87	3.36	7.63	1.65	9.10	2.18	191
6705	855C LDR/BHOE 1 1/2 CY FE BUCKET 78 HP D 24" B/H DIPPER	79,575	21.32	26.85	3.72	8.46	2.05	10.09	2.70	245
	CATERPILLAR									
6715	931BLDR/BHOE 1 CY FE BUCKET 65 HP D 30" B/H DIPPER	55,744	15.32	19.31	2.61	5.93	1.71	7.07	2.25	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
	TRUCKS, OFF-HIGHWAY (CONT'D) **********									
	DJB/CATERPILLAR (CONT'D) (ARTICULATED FRAME)									
10345	D550 55T 32-43 CY P.S. 450 HP D	408,989	76.46	99.07	17.07	36.85	6.91	42.31	8.93	834
	EUCLID									
10355	R25-215FD 25T 14-19 CY P.S. 214 HP D	193,896	34.84	44.70	8.18	17.81	3.29	20.45	4.25	404
10360	R35-302TD 35T 22-30 CY P.S. 450 HP D	307,195	59.00	76.27	12.99	28.34	6.91	32.58	8.93	623
10365	R50-301LD 50T 31-41 CY P.S. 608 HP D	404,749	79.97	104.32	17.00	36.88	9.34	42.36	12.06	836
10370	R75-301ND 75T 46-69 CY P.S. 646 HP D	540,841	100.77	131.01	22.55	48.60	9.92	55.79	12.82	1123
10375	R85-306ND 85T 52-67 CY P.S. 755 HP D	556,629	106.28	138.57	23.14	49.74	11.60	57.07	14.98	1227
	TEREX									
10385	33-03B 22T 15-18 CY P.S. 215 HP D	172,273	32.28	41.67	7.30	15.92	3.30	18.28	4.27	400
10390	33-05B 30T 19-23 CY P.S. 321 HP D	250,949	47.46	61.45	10.60	23.10	4.93	26.55	6.37	525
10395	33-07 40T 25-32 CY P.S. 493 HP D	308,621	63.11	83.12	12.87	27.75	7.57	31.84	9.78	756
10400	33-09 55T 34-44 CY P.S. 624 HP D	416,239	84.09	110.68	17.37	37.47	9.58	43.01	12.38	992
10405	33-11D 85T 51-65 CY P.S. 840 HP D	614,152	116.47	151.28	25.62	55.26	12.90	63.43	16.67	1350
10410	33-14 120T 65-88 CY P.S.1092 HP D	898,324	167.45	217.45	37.49	80.88	16.77	92.83	21.67	1950
	WABCO									
10420	HAULPAK35D 35T 23-29 CY P.S. 420 HP D	304,930	58.07	75.05	12.90	28.14	6.45	32.33	8.33	630
10425	HAULPAK50B 50T 31-40 CY P.S. 576 HP D	435,349	83.80	109.04	18.33	39.82	8.85	45.75	11.43	792
10430	HAULPAK60B 60T 34-48 CY P.S. 642 HP D	467,388	91.96	120.44	19.58	42.38	9.86	48.66	12.74	900
10435	75C 75T 44-57 CY P.S. 679 HP D	530,252	99.34	128.88	22.15	47.82	10.43	54.90	13.47	950
10440	85D 85T 47-67 CY P.S. 818 HP D	592,250	112.80	146.72	24.68	53.16	12.56	61.01	16.23	1240
10445	100 100T 47-77 CY P.S.1050 HP D	719,795	140.39	183.92	29.77	63.73	16.13	73.09	20.83	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
	PILE HAMMERS, SINGLE ACTING (CONT'D) **********									
	VULCAN (CONT'D)									
6835	012 39000 FT-LBS 1500CFM A	60,394	18.16		3.47	8.27	0.00			287
6840	014 42000 FT-LBS 1750CFM A	72,833	22.07		4.19	9.97	0.00			283
6845	016 48750 FT-LBS 1750CFM A	82,512	24.88		4.75	11.30	0.00			320
6850	020 60000 FT-LBS 2150CFM A	108,388	32.60		6.23	14.84	0.00			425
6855	030 90000 FT-LBS 2350CFM A	123,152	36.98		7.07	16.85	0.00			575
	PILE HAMMERS, DOUBLE ACTING **********									
	I.C.E									
6870	180 8100 FT-LBS 23 HP D	28,126	8.90		1.62	3.85	0.56			54
6875	440 18100 FT-LBS 50 HP D	59,187	18.78		3.40	8.10	1.22			130
6880	520 30000 FT-LBS 76 HP D	68,583	22.32		3.94	9.38	1.85			156
6885	640 40000 FT-LBS 90 HP D	72,167	23.82		4.15	9.88	2.19			186
6890	660 50000 FT-LBS 133 HP D	97,210	32.46		5.58	13.30	3.23			309
6895	1070 70000 FT-LBS 136 HP D	116,055	38.04		6.67	15.89	3.31			252
	MITSUBISHI									
6905	MH-15 16300 FT-LBS 45 HP D	64,032	20.33		3.68	8.76	1.09			95
6910	MH-25 27500 FT-LBS 79 HP D	78,026	25.64		4.49	10.68	1.92			147
6915	MH-35 38600 FT-LBS 116 HP D	97,283	32.51		5.59	13.31	2.82			205
6920	MH-45 50200 FT-LBS 129 HP D	124,404	40.90		7.14	17.02	3.14			271
6925	MH-72 LAND 79500 FT-LBS 216 HP D	231,923	75.49		13.32	31.74	5.25			456
6930	MH-80 OFFSHORE 88000 FT-LBS 268 HP D	267,228	87.72		15.36	36.58	6.52			456
	MKT CORPORATION									
6940	9-B-3 8750 FT-LBS 900CFM A	34,590	10.53		1.99	4.73	0.00			72
6945	10-B-3 13100 FT-LBS 1200CFM A	36,781	11.31		2.11	5.03	0.00			111
6950	11-B-3 19150 FT-LBS 1200CFM A	49,105	14.89		2.82	6.72	0.00			141
6955	5 (SELF STOP) 1000 FT-LBS 375CFM A	12,552	3.89		0.72	1.72	0.00			17

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	OWT
	TRUCK TRAILERS (CONT'D) **********									
	BOTTOM DUMP (CONT'D)									
10110	20CY 35T OFF-HIGHWAY	45,173	8.21	10.48	2.07	4.73	0.00	5.65	0.00	175
10115	32CY 55T OFF-HIGHWAY	95,441	17.76	22.58	4.28	9.63	0.00	11.47	0.00	365
10120	43CY 70T OFF-HIGHWAY	106,111	19.81	25.19	4.74	10.65	0.00	12.68	0.00	445
	END DUMP									
10130	20CY 24T	35,565	6.50	8.29	1.63	3.72	0.00	4.43	0.00	146
	LOWBOY, RIGID NECK, DROP DECK									
10140	25 TON 2 AXLE	21,079	3.53		0.93	1.87	0.00			89
10145	30 TON 2 AXLE	23,377	3.88		1.02	2.07	0.00			94
10150	35 TON 2 AXLE	25,493	4.19		1.12	2.27	0.00			109
10155	35 TON 3 AXLE	29,335	4.92		1.27	2.57	0.00			134
10160	40 TON 3 AXLE	30,611	5.14		1.33	2.67	0.00			144
10165	50 TON 3 AXLE	35,243	5.84		1.54	3.11	0.00			161
10170	60 TON 3 AXLE	38,049	6.45		1.65	3.28	0.00			188
10175	70 TON 3 AXLE	46,244	7.66		2.02	4.07	0.00			213
10180	75 TON 3 AXLE	47,659	7.87		2.08	4.21	0.00			228
10185	80 TON 4 AXLE	54,443	8.90		2.40	4.88	0.00			266
10190	90 TON 4 AXLE	58,656	9.68		2.57	5.20	0.00			297
10195	100 TON 4 AXLE	65,588	10.79		2.87	5.81	0.00			313
10200	120 TON 4 AXLE	76,220	12.74		3.29	6.59	0.00			351
10205	HELPER DOLLY 60 T TRAILER MAX	18,124	3.10		0.78	1.55	0.00			62
	PLATFORM TRAILERS									
10215	25 TON 2 AXLE	17,029	2.94		0.73	1.45	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
	PUMPS, GROUT **********									
	CHEMGROUT									
7085	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,759	3.31		0.68	1.69	0.00			11
7090	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,710	1.27		0.26	0.63	0.00			5
7095	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	18,825	4.96		1.00	2.49	0.00			18
7100	CG-620 COLLOIDAL ADD-ON TO CG-500	8,129	2.06		0.44	1.08	0.00			11
	PUMPS, WATER (FOR CORE DRILLS) **********									
	ACKER									
7115	MOD APS 11-5 6 GPM UP TO 100 PS 2 HP G	769	0.32		0.04	0.08	0.14			2
	PUMPS, WATER,CENTRIFUGAL,DEWATERING **********									
	HOMELITE - SKID MOUNTED									
7130	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	478	0.27		0.02	0.05	0.14			1
7135	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	617	0.40		0.03	0.07	0.21			1
7140	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	1,143	0.93		0.05	0.11	0.55			2
	MARLOW - WHEEL MOUNTED									
7150	MOD 4D2 465 GPM @ 20 ' HEAD 43 HP G	9,118	5.58		0.42	0.92	2.97			14
7155	MOD 4C7 595 GPM @ 20 ' HEAD 30 HP D	9,219	3.10		0.43	0.94	1.02			10
7160	MOD 6E4A 1100 GPM @ 20 ' HEAD 79 HP G	12,840	9.57		0.60	1.31	5.46			15
7165	MOD 6E4A 1100 GPM @ 20 ' HEAD 60 HP D	14,433	5.46		0.67	1.47	2.04			24
7170	MOD 8FA3 2320 GPM @ 20 ' HEAD 70 HP D	22,352	7.37		1.03	2.27	2.37			23
7175	MOD 10FA61 2775 GPM @ 20 ' HEAD 68 HP D	23,784	7.55		1.10	2.42	2.31			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	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCKS, HIGHWAY (CONT'D) ********** (CHASSIS ONLY)									
	KENWORTH									
9875	K100 3AX 48000 GVW 85000 GCW 300 HP D	73,089	26.01	34.96	3.72	8.76	7.83	11.07	10.18	138
9880	W900 3AX 48000 GVW 85000 GCW 300 HP D	73,648	26.12	35.11	3.74	8.82	7.83	11.15	10.18	140
9885	C500 3AX 56000 GVW 85000 GCW 270 HP D	79,196	26.27	35.40	4.04	9.52	7.05	12.03	9.16	144
	PETERBILT									
9895	MOD 348 3AX 50000 GVW 85000 GCW 245 HP D	81,292	26.12	35.26	4.12	9.70	6.39	12.26	8.31	121
9900	MOD 362 3AX 46000 GVW 85000 GCW 300 HP D	71,307	25.64	34.45	3.63	8.53	7.83	10.79	10.18	131
9905	MOD 359 3AX 46000 GVW 85000 GCW 300 HP D	68,749	25.10	33.70	3.49	8.21	7.83	10.37	10.18	134
9910	MOD 353 3AX 56000 GVW 130000 GCW 350 HP D	76,656	28.41	38.16	3.90	9.19	9.13	11.63	11.88	174
	TRUCK ACCESSORIES ********** (CHASIS NOT INCLUDED)									
	CRANES, HYDRAULIC									
9925	5.3T@5'RAD 24000 GVW MIN	26,445	5.81		1.39	3.35	0.00			79
9930	8.0T@3'RAD 26500 GVW MIN	31,800	6.97		1.67	4.03	0.00			84
9935	12.5T@4'RAD 27000 GVW MIN	49,232	10.73		2.58	6.23	0.00			142
9940	13.5T@4'RAD 44000 GVW MIN	60,907	13.25		3.19	7.71	0.00			158
9945	15.0T@4'RAD 48000 GVW MIN	67,335	14.64		3.53	8.52	0.00			211
	DUMP BODY, REAR, W/HOIST									
9955	5CY 24000 TO 26000 GVW	6,330	1.46	1.97	0.33	0.80	0.00	1.02	0.00	26
9960	AIR GATE 8CY 27000 TO 30000 GVW	10,002	2.25	3.06	0.53	1.27	0.00	1.61	0.00	44
9965	AIR GATE 10CY 36000 AND UP GVW	10,113	2.27	3.09	0.53	1.28	0.00	1.62	0.00	45
9970	AIR GATE 12CY 36000 AND UP GVW	10,258	2.31	3.13	0.54	1.30	0.00	1.64	0.00	46
	FLATBEDS W/CONT. SIDES									
9980	8'X9.5'	2,035	0.44		0.11	0.26	0.00			11
9985	8'X10.5'	2,099	0.46		0.11	0.27	0.00			12

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
	RIPPER & HYDRAULIC BANK SLOPER ********** (DOES NOT INCLUDE COST OF POINT WEAR)									
	ATECO									
7285	V-RAR-1 SINGLE SHANK EXTREME SVC	39,000	9.02	12.32	2.04	4.94	0.00	6.27	0.00	141
7290	V-RAR-1 SHANKS EA W/GUARD	3,052	0.69	0.95	0.16	0.38	0.00	0.49	0.00	15
7295	LPAF-D8K PARALLEL LIFT	24,709	5.72	7.82	1.29	3.13	0.00	3.98	0.00	101
7300	D-8K SHANKS EA	1,940	0.44	0.61	0.10	0.24	0.00	0.32	0.00	11
7305	LPAF-D7G PARALLEL LIFT	18,474	4.28	5.85	0.97	2.34	0.00	2.98	0.00	57
7310	D-7G SHANKS EA	849	0.19	0.26	0.04	0.10	0.00	0.13	0.00	5
7315	V-LPRF-TD25E PARALLEL LIFT STD SVC	21,225	4.93	6.73	1.11	2.69	0.00	3.42	0.00	97
7320	TD-25C SHANKS EA	1,917	0.43	0.59	0.10	0.24	0.00	0.30	0.00	8
7325	V-LPRF-TD20E PARALLEL LIFT STD SVC	15,357	3.57	4.87	0.80	1.94	0.00	2.47	0.00	51
7330	TD-20E SHANKS EA	1,226	0.27	0.39	0.06	0.15	0.00	0.20	0.00	4
7335	PS-TD15C RADIAL LIFT	8,986	2.13	2.89	0.47	1.14	0.00	1.45	0.00	22
7340	TD-15C SHANKS EA	487	0.11	0.14	0.02	0.06	0.00	0.07	0.00	1
7345	V-LPRF 82-50 PARALLEL LIFT STD SVC	23,685	5.47	7.47	1.24	3.00	0.00	3.81	0.00	105
7350	82-50 SHANKS EA	1,917	0.43	0.59	0.10	0.24	0.00	0.30	0.00	8
7355	V-LPRF-82-30BPARALLEL LIFT	21,053	4.87	6.66	1.10	2.67	0.00	3.39	0.00	89
7360	82-30 SHANKS EA	2,595	0.59	0.80	0.14	0.33	0.00	0.41	0.00	8
7365	HBS-HYDR BANK SLOPER 260-475 HP	9,279	1.82	2.31	0.44	0.99	0.00	1.18	0.00	28
	CATERPILLAR									
7375	D-10 MULTI-SHANK BEAM	51,941	12.05	16.43	2.72	6.59	0.00	8.35	0.00	218
7380	D-10 SHANKS EA	3,786	0.86	1.18	0.20	0.48	0.00	0.61	0.00	15
7385	D-10 SINGLE-SHANK BEAM	55,291	12.80	17.48	2.89	7.01	0.00	8.90	0.00	209
7390	D-9L MULTI-SHANK BEAM W/HYD-CONTROL	44,027	10.18	13.91	2.30	5.58	0.00	7.09	0.00	162
7395	D-9L SHANKS EA	3,404	0.77	1.06	0.18	0.43	0.00	0.55	0.00	14
7400	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK	40,980	9.49	12.95	2.15	5.20	0.00	6.59	0.00	156
7405	D-8L MULTI-SHANK BEAM HYD-CONTROL	29,699	6.87	9.37	1.56	3.77	0.00	4.78	0.00	98
7410	D-8L SHANKS EA	1,913	0.43	0.59	0.10	0.24	0.00	0.30	0.00	7

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCKS, HIGHWAY ********** (CHASSIS ONLY)									
	FORD									
9620	F150 4X2 1/2T PKUP 6100 GVW 137 HP G	8,671	4.49	5.78	0.51	1.26	1.56	1.46	2.08	38
9625	F150 4X4 1/2T PKUP 6250 GVW 137 HP G	10,782	5.09	6.57	0.63	1.57	1.56	1.83	2.08	42
9630	F250 4X2 3/4T PKUP 6900 GVW 137 HP G	9,555	4.75	6.12	0.55	1.37	1.56	1.60	2.08	40
9635	F250 4X4 3/4T PKUP 7400 GVW 137 HP G	11,258	5.25	6.77	0.65	1.62	1.56	1.89	2.08	44
9640	F350 2AX 10000 GVW 137 HP G	10,224	4.99	6.44	0.59	1.44	1.56	1.68	2.08	42
9645	F600 2AX 18500 GVW 154 HP G	17,896	9.21	12.15	0.88	1.98	4.10	2.49	5.27	65
9650	F600 2AX 18500 GVW 162 HP D	24,820	8.82	11.84	1.23	2.80	2.82	3.53	3.66	65
9655	F700 2AX 24500 GVW 177 HP G	20,731	10.58	13.96	1.03	2.33	4.71	2.92	6.05	65
9660	F700 2AX 24500 GVW 162 HP D	28,042	9.48	12.73	1.41	3.19	2.82	4.01	3.66	73
9665	F800 2AX 27000 GVW 177 HP G	22,847	11.06	14.60	1.14	2.56	4.71	3.21	6.05	72
9670	F800 2AX 27000 GVW 162 HP D	29,396	10.04	13.45	1.45	3.23	2.82	4.04	3.66	76
9675	LT800 3AX 43000 GVW 223 HP G	35,649	19.62	25.91	1.79	4.18	8.81	5.28	11.36	110
9680	LT8000 3AX 44800 GVW 175 HP D	48,962	16.72	22.49	2.47	5.78	4.57	7.30	5.94	126
9685	LTS8000 3AX 46000 GVW 175 HP D	51,253	17.22	23.16	2.59	6.06	4.57	7.65	5.94	130
9690	LNT8000 3AX 46000 GVW 175 HP D	48,456	16.64	22.36	2.44	5.71	4.57	7.21	5.94	124
9695	CT8000 3AX 46000 GVW 175 HP D	56,508	18.31	24.67	2.86	6.71	4.57	8.48	5.94	136
9700	LT9000 3AX 58000 GVW 82000 GCW 239 HP D	74,429	24.43	32.92	3.76	8.83	6.24	11.16	8.11	172
9705	LTS9000 3AX 60000 GVW 82000 GCW 239 HP D	79,075	25.46	34.30	3.99	9.37	6.24	11.84	8.11	180
9710	LNT9000 3AX 60000 GVW 82000 GCW 239 HP D	74,999	24.61	33.13	3.78	8.86	6.24	11.19	8.11	175
9715	CLT9000 3AX 82000 GCW 286 HP D	73,710	25.74	34.63	3.74	8.79	7.46	11.12	9.70	149
	GMC AND CHEVROLET									
9725	C10903 4X2 1/2T PKUP 6100 GVW 165 HP G	8,655	4.89	6.34	0.51	1.25	1.88	1.45	2.51	46
9730	C10906 4X2 SUBURBAN 6800 GVW 165 HP G	11,186	5.59	7.22	0.65	1.62	1.88	1.89	2.51	52
9735	K10906 4X4 SUBURBAN 7000 GVW 165 HP G	12,313	5.93	7.65	0.73	1.80	1.88	2.09	2.51	56
9740	C20903 4X2 3/4T PKUP 8600 GVW 165 HP G	10,328	5.36	6.92	0.61	1.50	1.88	1.74	2.51	49
9745	K20903 4X4 3/4T PKUP 6600 GVW 165 HP G	12,024	5.87	7.56	0.71	1.76	1.88	2.04	2.51	54

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, R/T,SELF-PROPELLED (CONT'D) **********									
	INGRAM (CONT'D)									
7535	11-2700 15 TON 107 HP G	38,297	13.97		1.77	3.97	5.37			89
7540	11-2700 15 TON 76 HP D	42,650	10.42		1.97	4.43	1.85			91
7545	13-2300 15 TON 107 HP G	40,039	14.32		1.85	4.14	5.37			86
7550	13-2300 15 TON 76 HP D	44,407	10.77		2.05	4.60	1.85			90
7555	9-6000 27 TON 117 HP D	97,165	22.22		4.46	9.94	2.85			205
	TAMPO									
7565	SP-312 12 TON 68 HP D	39,389	9.55		1.82	4.10	1.65			66
7570	SP-518 15 TON 68 HP D	48,818	11.35		2.26	5.09	1.65			95
7575	SP-950 27 TON 130 HP D	100,698	23.24		4.63	10.34	3.16			198
7580	SP-1070 M 35 TON 130 HP D	121,127	27.67		5.46	12.03	3.16			258
	ROLLER, RUBBER TIRED, TOWED **********									
	FERGUSON									
7595	RT-100S 50 TON	66,771	12.58		2.79	5.75	0.00			200
7600	RT-120S 60 TON	78,750	15.45		3.50	7.61	0.00			218
	SOUTHWEST									
7610	C 50 50 TON	81,678	15.58		3.51	7.40	0.00			344
7615	C 75 75 TON	88,502	16.84		3.71	7.66	0.00			408
7620	C 100XL 100 TON	120,264	23.04		5.19	11.02	0.00			601
	TAMPO									
7630	R-13 14 TON	9,994	1.99		0.44	0.96	0.00			35

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D) ********** (ADD ATTACHMENTS TO TRACTOR)									
	TEREX (GM) (CONT'D)									
9405	CUSHIONED PUSH BLADE	27,741	5.30	6.77	1.30	2.95	0.00	3.51	0.00	113
9410	PUSH PLATE (WELD ON)	1,170	0.26	0.33	0.05	0.12	0.00	0.15	0.00	6
9415	PUSH BLOCK (CUSHION REAR)	7,429	1.50	1.89	0.35	0.79	0.00	0.94	0.00	21
	TRACTOR, WHEEL TYPE (DOZER) **********									
	CATERPILLAR									
9430	814-B ARTICULATED ST BLADE P.S. 210 HP D	165,415	36.68	48.69	7.65	17.66	5.11	21.10	6.72	465
9435	824-C ARTICULATED ST BLADE P.S. 310 HP D	240,133	55.26	75.66	10.94	24.97	7.54	29.80	9.92	624
9440	834-B ARTICULATED ST BLADE P.S. 450 HP D	354,934	78.94	106.70	16.09	36.60	10.94	43.66	14.40	892
	CLARK									
9450	280B ARTICULATED ST BLADE P.S. 302 HP D	255,617	58.24	80.13	11.62	26.48	7.34	31.60	9.66	749
9455	380B ARTICULATED ST BLADE P.S. 572 HP D	432,904	97.00	131.07	19.62	44.64	13.91	53.26	18.30	1253
	TRACTOR, WHEEL TYPE (FARM) **********									
	JOHN DEERE									
9470	MOD 401 D 62 HP D	19,434	5.43	7.13	0.90	2.08	1.51	2.49	1.98	47
9475	MOD 2150 50 HP D	15,947	4.51	6.01	0.74	1.69	1.22	2.01	1.60	50
9480	MOD 2350 62 HP D	17,533	5.16	6.88	0.81	1.85	1.51	2.21	1.98	66
9485	MOD 2750 83 HP D	21,494	6.46	8.54	0.99	2.29	2.02	2.74	2.66	73
	TRENCHER, CHAIN **********									
	DITCH WITCH									
9500	MOD C99 6"X24" TRENCH 9 HP G	3,392	1.27	1.62	0.15	0.34	0.45	0.40	0.59	6
9505	MOD 2200 8"X36" TRENCH 18 HP G	13,795	3.90	5.05	0.64	1.44	0.90	1.72	1.18	30
9510	MOD 2300 10"X36" TRENCH 28 HP G	19,194	5.62	7.27	0.89	2.01	1.40	2.39	1.83	33
9515	MOD 6510 12"X54" TRENCH 64 HP D	34,990	9.00	11.66	1.61	3.62	1.56	4.32	2.05	106

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, SMOOTH WHEEL,SELF-PROPELLED **********									
	FERGUSON									
7760	3-5 TON TANDEM 52 HP D	27,761	6.79		1.30	2.94	1.26			77
7765	4-6 TON TANDEM 52 HP D	33,120	7.79		1.54	3.50	1.26			96
7770	5-8 TON TANDEM 85 HP D	50,600	12.11		2.37	5.37	2.07			136
7775	8-10 TON TANDEM 85 HP D	52,874	12.53		2.47	5.60	2.07			174
7780	8-12 TON TANDEM 85 HP D	55,238	12.98		2.58	5.85	2.07			176
7785	10-14 TON TANDEM 85 HP D	57,550	13.42		2.70	6.10	2.07			219
	INGRAM									
7795	12 TON EB 3 WHEEL 3" OVERLAP 107 HP G	55,306	17.08		2.58	5.86	5.37			194
7800	12 TON EB 3 WHEEL 3" OVERLAP 85 HP D	59,352	13.76		2.77	6.29	2.07			196
7805	14 TON EB 3 WHEEL 3" OVERLAP 107 HP G	58,657	17.71		2.74	6.21	5.37			221
7810	14 TON EB 3 WHEEL 3" OVERLAP 85 HP D	62,703	14.38		2.93	6.64	2.07			223
7815	4-6 TON FB 2 WHEEL TANDEM 54 HP G	27,163	8.47		1.27	2.87	2.71			82
7820	6-9 TON GB 2 WHEEL TANDEM 107 HP G	36,842	13.61		1.73	3.91	5.37			133
7825	6-9 TON GB 2 WHEEL TANDEM 85 HP D	40,889	10.27		1.91	4.33	2.07			135
7830	8-12 TON HB 2 WHEEL TANDEM 107 HP G	44,684	15.09		2.09	4.74	5.37			171
7835	8-12 TON HB 2 WHEEL TANDEM 85 HP D	48,730	11.76		2.28	5.17	2.07			173
7840	10-14 TON HB 2 WHEEL TANDEM 107 HP G	48,194	15.75		2.25	5.11	5.37			203
7845	10-14 TON HB 2 WHEEL TANDEM 85 HP D	52,240	12.41		2.44	5.53	2.07			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
	TRACTOR, CRAWLER (DOZER) (CONT'D) ********** (ADD ATTACHMENTS TO TRACTOR)									
	INTERNATIONAL/DRESSER (CONT'D)									
9150	TD-20-E P.S. 210 HP D	180,393	45.92	59.03	8.37	18.42	5.51	21.87	7.26	476
9155	20D-2 SEMI-U BLADE HYDRAULIC	22,350	4.22	5.43	1.04	2.37	0.00	2.84	0.00	61
9160	20G-2 ANGLE BLADE HYDRAULIC	15,099	2.88	3.68	0.71	1.61	0.00	1.92	0.00	71
9165	TD-25-G P.S. 320 HP D	231,423	56.37	72.68	10.83	24.61	8.40	29.34	11.06	700
9170	25D-2 SEMI-U BLADE HYDRAULIC	27,524	5.25	6.71	1.29	2.93	0.00	3.49	0.00	113
9175	25G-2 ANGLE BLADE HYDRAULIC	22,729	4.37	5.59	1.06	2.42	0.00	2.89	0.00	115
9180	FRONT PUSHER CUSHION	9,551	1.87	2.37	0.45	1.02	0.00	1.21	0.00	29
9185	REAR PUSHER CUSHION	5,549	1.17	1.46	0.26	0.59	0.00	0.70	0.00	23
9190	FRONT PUSH BLK FOR S/BLD	866	0.24	0.29	0.04	0.09	0.00	0.11	0.00	12
	JOHN DEERE									
9200	JD350C/6305 D.D. W/HYD BLADE 42 HP D	35,169	8.99	11.56	1.63	3.59	1.10	4.27	1.45	107
9205	JD450E/6405 D.D. W/HYD BLADE 70 HP D	46,490	12.40	15.96	2.15	4.74	1.84	5.64	2.42	147
9210	JD550B/6405 P.S. W/HYD BLADE 78 HP D	54,965	14.50	18.65	2.55	5.61	2.05	6.66	2.70	156
9215	JD750B H.S. W/HYD BLADE 120 HP D	85,354	22.47	28.89	3.97	8.72	3.15	10.34	4.15	291
9220	JD750B LPG H.S. W/TILT BLADE 120 HP D	89,106	23.27	29.92	4.14	9.10	3.15	10.80	4.15	313
9225	JD850B H.S. W/TILT BLADE 165 HP D	114,165	30.22	38.86	5.30	11.66	4.33	13.84	5.70	363
9230	JD850B LPG H.S. W/TILT BLADE 165 HP D	127,513	33.06	42.50	5.92	13.02	4.33	15.46	5.70	435
	KOMATSU									
9240	D31A-17 H.S. 66 HP D	40,141	10.90	14.04	1.87	4.10	1.73	4.87	2.28	132
9245	ANGLE TILTDOZER BLADE	6,503	1.37	1.72	0.31	0.70	0.00	0.83	0.00	20
9250	D41A-3 H.S. 90 HP D	60,483	16.09	20.72	2.80	6.17	2.36	7.34	3.11	231
9255	STRAIGHT TILTDOZER BLADE	7,060	1.47	1.84	0.33	0.75	0.00	0.89	0.00	24
9260	D53A-17 H.S. 124 HP D	93,174	24.27	31.23	4.32	9.51	3.25	11.30	4.29	246
9265	ANGLE TILTDOZER BLADE	7,746	1.61	2.01	0.37	0.83	0.00	0.98	0.00	42
9270	D65E-7 H.S. 165 HP D	130,931	33.78	43.44	6.07	13.36	4.33	15.88	5.70	377

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER,VIB,SINGLE DRUM,SELF-PROPELLED ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
7970	CA-15 29HZ 48"X66" 11 TON 73 HP D	62,117	19.18		3.23	7.77	2.48			132
7975	CA-15A 42HZ 48"X66" 12 TON 85 HP D	71,709	22.27		3.68	8.77	2.88			144
7980	CA-15PD 29HZ TF 53"X66" 13 TON 85 HP D	82,016	24.79		4.28	10.29	2.88			157
7985	CA-25A 40HZ 60"X84" 18 TON 125 HP D	91,888	29.19		4.75	11.37	4.24			200
7990	CA-25 28HZ 60"X84" 18 TON 125 HP D	85,662	27.58		4.43	10.61	4.24			200
7995	CA-25S 28HZ 61"X84" 22 TON 125 HP D	92,158	29.24		4.77	11.43	4.24			225
8000	CA-25PD 28HZ 68"X84" 22 TON 125 HP D	106,280	32.85		5.51	13.22	4.24			248
8005	CA-30 28HZ 61"X84" 22 TON 125 HP D	94,900	29.93		4.91	11.77	4.24			242
8010	CA-30D 28HZ 61"X84" 22 TON 125 HP D	102,770	31.95		5.32	12.77	4.24			252
	FERGUSON									
8020	SP 266A 42HZ 48"X66" 15 TON 125 HP D	89,332	28.41		4.68	11.29	4.24			225
8025	SP 75 30HZ 60"X84" 22.5 TON 85 HP D	73,676	22.73		3.81	9.10	2.88			191
8030	SP 75D 30HZ 60"X84" 22.5 TON 120 HP D	78,207	25.45		4.04	9.67	4.07			193
8035	SP 75DT 30HZ TF 60"X84" 22.5 TON 120 HP D	88,878	28.18		4.60	11.02	4.07			236
	INGERSOLL RAND									
8045	SPF-56 30HZ TF 56"X84" 21 TON 115 HP D	94,717	29.45		4.91	11.76	3.90			222
8050	SP-60DD 25HZ 60"X100" 30 TON 203 HP D	140,134	45.11		7.22	17.27	6.89			377
	RAYGO									
8060	RASCAL 220A 30HZ TF38"X48" 6 TON 70 HP D	57,678	17.87		3.00	7.24	2.37			97
8065	RASCAL 303A 38HZ 48"X66" 8 TON 70 HP D	57,541	17.87		2.99	7.18	2.37			137
8070	RASCAL 320A 25HZ TF48"X60" 8 TON 80 HP D	76,729	23.20		4.00	9.63	2.71			151
8075	RASCAL 320S 25HZ 48"X60" 8 TON 80 HP D	66,354	20.56		3.45	8.29	2.71			144
8080	RUSTLER 304A 28HZ 48"X66" 8 TON 70 HP D	65,030	19.90		3.33	7.93	2.37			130
8085	RUSTLER 404B 28HZ 59"X84" 13.5TON 88 HP D	86,840	26.20		4.50	10.78	2.98			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
	SCRAPERS, SELF-PROPELLED (CONT'D) ********** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	CATERPILLAR (CONT'D)									
8435	633-D 37.5T 34 CY P.S. 450 HP D	466,548	104.21	135.82	21.39	49.06	11.23	58.58	14.69	1042
8440	637-D 37.5T 21-31 CY P.S. 450/250 HP D/D	502,948	120.38	158.84	23.10	53.08	16.58	63.40	21.50	1053
8445	637-D PP 37.5T 21-31 CY P.S. 450/250 HP D/D	524,849	124.24	163.66	24.14	55.50	16.58	66.29	21.50	1077
8450	639-D 37.5T 24-34 CY P.S. 450/250 HP D/D	580,487	136.66	180.94	26.61	61.05	16.58	72.89	21.50	1223
8455	651-E 52 T 32-44 CY P.S. 550 HP D	537,779	118.18	155.13	24.51	56.02	12.32	66.88	16.19	1314
8460	657-E 52 T 32-44 CY P.S. 550/400 HP D/D	655,585	158.61	209.60	30.07	69.05	22.50	82.47	29.18	1516
8465	657-E PP 52 T 32-44 CY P.S. 550/400 HP D/D	696,097	165.75	218.55	31.99	73.53	22.50	87.83	29.18	1589
	FIAT-ALLIS									
8475	161 18.7 T 15 CY P.S. 229 HP D	184,355	43.13	56.37	8.42	19.28	5.72	23.02	7.47	466
8480	260B 25.0 T 15-21 CY P.S. 325 HP D	243,863	55.89	73.40	11.11	25.38	7.28	30.30	9.57	585
8485	261B 26.5 T 23 CY P.S. 325 HP D	273,765	63.14	82.28	12.55	28.79	8.11	34.38	10.61	635
8490	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	294,348	73.03	96.29	13.52	31.07	11.75	37.10	15.24	679
8495	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	351,710	83.61	109.88	16.19	37.29	11.75	44.55	15.24	742
	INTERNATIONAL									
8505	412B 13 T 11 CY P.S. 125 HP D	133,199	30.31	39.27	6.08	13.54	3.12	16.11	4.08	335
8510	431B 24 T 14-21 CY P.S. 326 HP D	260,479	59.12	77.67	11.87	27.10	7.30	32.35	9.60	609
8515	433B 24 T 14-21 CY P.S. 326/185 HP D/D	305,838	76.44	101.22	14.01	32.11	12.10	38.35	15.70	700
8520	442B 25 T 22 CY P.S. 326 HP D	291,158	66.86	87.35	13.32	30.49	8.14	36.40	10.64	680
	JOHN DEERE									
8530	JD762A 13.7 T 11 CY P.S. 175 HP D	133,013	32.02	41.51	6.06	13.51	4.37	16.09	5.71	355
8535	JD862 20.0 T 16 CY P.S. 250 HP D	180,768	43.20	56.49	8.26	18.89	6.24	22.55	8.16	492

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, VIBRATORY,DD,S/P (CONT'D) ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC (CONT'D)									
8200	CC-50S 28HZ TANDEM 22 TON 181 HP D	142,855	44.57		7.48	18.05	6.14			342
8205	CC-50PD 28HZ TF TANDEM 22 TON 181 HP D	165,660	50.39		8.67	20.93	6.14			419
	RAYGO									
8215	REBEL 1-36 40HZ TANDEM 2 TON 16 HP D	11,208	3.57		0.59	1.42	0.54			23
8220	ROMPER 2-36 40HZ TANDEM 4 TON 35 HP D	25,771	8.14		1.35	3.25	1.19			40
8225	RUSTLER 5604A 50HZ TANDEM 5.5TON 70 HP D	66,974	20.22		3.50	8.46	2.37			132
8230	RUSTLER 7204A 38HZ TANDEM 8 TON 115 HP D	89,155	27.90		4.66	11.26	3.90			250
8235	RANGER 2-66 38HZ TANDEM 8 TON 119 HP D	118,996	35.70		6.23	15.03	4.04			215
	TAMPO									
8245	RS-03 60HZ 36"X24" 2 TON 14 HP G	11,546	4.23		0.61	1.46	0.97			23
8250	RS-144A 50HZ 42"X48" 8 TON 52 HP D	59,789	17.58		3.13	7.55	1.76			100
8255	RS-166A 36HZ 48"X66" 16 TON 80 HP D	89,048	26.31		4.66	11.25	2.71			200
8260	RS-188A 36HZ 60"X84" 30 TON 156 HP D	112,736	35.75		5.89	14.24	5.29			320
8265	RH-199 25HZ 60"X96" 45 TON 262 HP D	200,168	62.81		10.47	25.28	8.89			491
	ROOFING EQUIPMENT **********									
	AEROIL									
8280	EZ LOAD 240 GAL. KETTLE	5,895	2.27		0.36	0.97	0.00			17
8285	EZ LOAD 400 GAL. KETTLE	7,382	2.74		0.47	1.23	0.00			23
8290	EZ LOAD 600 GAL. KETTLE	9,696	3.67		0.60	1.59	0.00			38
8295	JOB TANK 2000 GAL. TRLR MTD.	26,906	9.48		1.61	4.18	0.00			81
8300	MOD 52 HYDRAULIC CONVEYOR 52'H 23 HP G	19,005	7.08		1.19	3.18	1.07			39
8305	MOD 62 HYDRAULIC CONVEYOR 62'H 23 HP G	21,186	7.74		1.33	3.55	1.07			55
8310	MOD 68 HYDRAULIC CONVEYOR 68'H 23 HP G	24,048	8.61		1.51	4.03	1.07			58

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 **********									
	M-R-S									
8655	PS-80 11T 9 CY HYDR./CONTROL	61,385	11.22	13.42	2.51	5.16	0.00	5.88	0.00	245
8660	PS-90 17T 14 CY HYDR./CONTROL	83,746	15.33	18.42	3.40	6.92	0.00	7.90	0.00	320
8665	PS-100 22T 18 CY HYDR./CONTROL	97,941	17.97	21.57	3.98	8.10	0.00	9.25	0.00	370
	ROME									
8675	R67H 18T 12-17CY HYDR/CONTROL	77,100	14.07	16.74	3.20	6.64	0.00	7.58	0.00	235
8680	R89H 27T 18-26CY HYDR/CONTROL	101,945	18.50	22.19	4.16	8.52	0.00	9.72	0.00	365
	SOUTHWEST-HUME									
8690	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	36,960	6.61	7.94	1.51	3.09	0.00	3.54	0.00	137
	SOIL STABILIZER **********									
	BOMAG									
8705	MOD MPH-50 12"DEEP BY 82"WIDE 152 HP D	97,657	23.27	30.41	4.53	10.21	3.79	12.16	4.96	208
8710	MOD MPH-100 14.5"DEEP X 79"WIDE 304 HP D	158,291	40.10	52.72	7.31	16.41	7.59	19.54	9.92	300
	BROS									
8720	MOD LSPRM-8A MASTER MIXER 19" DP 335 HP D	152,012	38.69	50.16	7.09	16.04	8.36	19.12	10.93	300
	TRACTOR, CRAWLER (DOZER) ********** (ADD ATTACHMENTS TO TRACTOR)									
	CASE									
8735	450C P.S. POWER ANGLE/TILT DOZER 63 HP D	43,767	11.58	14.88	2.03	4.47	1.65	5.30	2.18	118
8740	850C P.S. HYDR. ANGLE/TILT DOZER 78 HP D	62,992	16.21	20.84	2.92	6.43	2.05	7.64	2.70	171
8745	1150D P.S. HYDR. ANGLE/TILT DOZER 110 HP D	90,437	23.20	29.82	4.20	9.24	2.89	10.97	3.80	239
8750	1450B P.S. POWER ANGLE/TILT DOZER 140 HP D	126,225	31.87	40.98	5.85	12.88	3.67	15.30	4.84	330

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)									
	CATERPILLAR (CONT'D)									
8890	8S -STRAIGHT BLADE HYDRAULIC	33,599	6.41	8.20	1.58	3.58	0.00	4.27	0.00	123
8895	8U -UNIVERSAL BLADE HYDRAULIC	37,035	7.06	9.03	1.74	3.94	0.00	4.70	0.00	136
8900	8A -ANGLE BLADE HYDRAULIC	34,645	6.61	8.45	1.62	3.68	0.00	4.39	0.00	136
8905	-PUSH PLATE USE W/8S	930	0.23	0.28	0.05	0.10	0.00	0.12	0.00	6
8910	58 -WINCH (W/O CABLE)	25,640	4.95	6.32	1.20	2.73	0.00	3.26	0.00	44
8915	D-9L TRACTOR P.S. 460 HP D	345,229	74.27	92.72	14.93	33.18	12.07	38.18	15.90	1004
8920	9S -STRAIGHT BLADE HYDRAULIC	44,136	8.44	10.79	2.07	4.70	0.00	5.60	0.00	184
8925	9U -UNIVERSAL BLADE HYDRAULIC	46,638	8.91	11.39	2.19	4.96	0.00	5.91	0.00	195
8930	9C -CUSHION BLADE	38,883	7.44	9.50	1.82	4.14	0.00	4.93	0.00	160
8935	-REAR CUSHION PUSH BLOCK	11,501	2.27	2.89	0.54	1.22	0.00	1.46	0.00	41
8940	-FRONT PUSH PLATE	1,249	0.31	0.37	0.06	0.13	0.00	0.15	0.00	9
8945	59 -WINCH (W/O CABLE)	27,765	5.39	6.87	1.30	2.95	0.00	3.52	0.00	45
8950	D-10 TRACTOR P.S. 700 HP D	580,785	122.52	152.82	25.11	55.81	18.37	64.24	24.19	1539
8955	10S -STRAIGHT BLADE HYDRAULIC	69,279	13.24	16.93	3.25	7.37	0.00	8.79	0.00	286
8960	10U -UNIVERSAL BLADE HYDRAULIC	76,196	14.54	18.60	3.56	8.10	0.00	9.66	0.00	292
8965	-FRONT PUSH PLATE	1,440	0.35	0.42	0.07	0.15	0.00	0.18	0.00	8
8970	10C -CUSHION BLADE	49,672	9.49	12.14	2.33	5.28	0.00	6.30	0.00	198
	FIAT-ALLIS									
8980	FD5 P.S. W/HYD. ANGLE TILT BLADE 63 HP D	45,544	11.95	15.37	2.12	4.65	1.65	5.52	2.18	140
8985	FD7 P.S. W/POW. ANGLE TILT BLADE 78 HP D	54,503	14.41	18.53	2.53	5.57	2.05	6.61	2.70	175
8990	8-B P.S. 88 HP D	58,508	15.61	20.07	2.72	5.98	2.31	7.09	3.04	215
8995	8-HA ANGLE BLADE HYDRAULIC	9,085	1.77	2.26	0.42	0.96	0.00	1.15	0.00	30
9000	8-HSU SEMI-U BLADE HYDRAULIC	9,073	1.74	2.23	0.42	0.96	0.00	1.15	0.00	30
9005	FD9 P.S. W/SEMI-U TILT BLADE 107 HP D	78,150	20.46	26.33	3.62	7.97	2.81	9.48	3.70	239
9010	10-C P.S. 122 HP D	81,761	21.77	28.02	3.80	8.35	3.20	9.91	4.22	280
9015	10-HA ANGLE BLADE HYDRAULIC	10,116	1.97	2.51	0.47	1.07	0.00	1.28	0.00	36

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	AVERAGE COND. FUEL	SEVERE COND. OWNER-SHIP	SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D) ********** (ADD ATTACHMENTS TO TRACTOR)									
	CATERPILLAR (CONT'D)									
8890	8S -STRAIGHT BLADE HYDRAULIC	33,599	6.41	8.20	1.58	3.58	0.00	4.27	0.00	123
8895	8U -UNIVERSAL BLADE HYDRAULIC	37,035	7.06	9.03	1.74	3.94	0.00	4.70	0.00	136
8900	8A -ANGLE BLADE HYDRAULIC	34,645	6.61	8.45	1.62	3.68	0.00	4.39	0.00	136
8905	-PUSH PLATE USE W/8S	930	0.23	0.28	0.05	0.10	0.00	0.12	0.00	6
8910	58 -WINCH (W/O CABLE)	25,640	4.95	6.32	1.20	2.73	0.00	3.26	0.00	44
8915	D-9L TRACTOR P.S. 460 HP D	345,229	74.27	92.72	14.93	33.18	12.07	38.18	15.90	1004
8920	9S -STRAIGHT BLADE HYDRAULIC	44,136	8.44	10.79	2.07	4.70	0.00	5.60	0.00	184
8925	9U -UNIVERSAL BLADE HYDRAULIC	46,638	8.91	11.39	2.19	4.96	0.00	5.91	0.00	195
8930	9C -CUSHION BLADE	38,883	7.44	9.50	1.82	4.14	0.00	4.93	0.00	160
8935	-REAR CUSHION PUSH BLOCK	11,501	2.27	2.89	0.54	1.22	0.00	1.46	0.00	41
8940	-FRONT PUSH PLATE	1,249	0.31	0.37	0.06	0.13	0.00	0.15	0.00	9
8945	59 -WINCH (W/O CABLE)	27,765	5.39	6.87	1.30	2.95	0.00	3.52	0.00	45
8950	D-10 TRACTOR P.S. 700 HP D	580,785	122.52	152.82	25.11	55.81	18.37	64.24	24.19	1539
8955	10S -STRAIGHT BLADE HYDRAULIC	69,279	13.24	16.93	3.25	7.37	0.00	8.79	0.00	286
8960	10U -UNIVERSAL BLADE HYDRAULIC	76,196	14.54	18.60	3.56	8.10	0.00	9.66	0.00	292
8965	-FRONT PUSH PLATE	1,440	0.35	0.42	0.07	0.15	0.00	0.18	0.00	8
8970	10C -CUSHION BLADE	49,672	9.49	12.14	2.33	5.28	0.00	6.30	0.00	198
	FIAT-ALLIS									
8980	FD5 P.S. W/HYD. ANGLE TILT BLADE 63 HP D	45,544	11.95	15.37	2.12	4.65	1.65	5.52	2.18	140
8985	FD7 P.S. W/POW. ANGLE TILT BLADE 78 HP D	54,503	14.41	18.53	2.53	5.57	2.05	6.61	2.70	175
8990	8-B P.S. 88 HP D	58,508	15.61	20.07	2.72	5.98	2.31	7.09	3.04	215
8995	8-HA ANGLE BLADE HYDRAULIC	9,085	1.77	2.26	0.42	0.96	0.00	1.15	0.00	30
9000	8-HSU SEMI-U BLADE HYDRAULIC	9,073	1.74	2.23	0.42	0.96	0.00	1.15	0.00	30
9005	FD9 P.S. W/SEMI-U TILT BLADE 107 HP D	78,150	20.46	26.33	3.62	7.97	2.81	9.48	3.70	239
9010	10-C P.S. 122 HP D	81,761	21.77	28.02	3.80	8.35	3.20	9.91	4.22	280
9015	10-HA ANGLE BLADE HYDRAULIC	10,116	1.97	2.51	0.47	1.07	0.00	1.28	0.00	36

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	CWT
	SCRAPER, TRACTOR DRAWN **********									
	M-R-S									
8655	PS-80 11T 9 CY HYDR./CONTROL	61,385	11.22	13.42	2.51	5.16	0.00	5.88	0.00	245
8660	PS-90 17T 14 CY HYDR./CONTROL	83,746	15.33	18.42	3.40	6.92	0.00	7.90	0.00	320
8665	PS-100 22T 18 CY HYDR./CONTROL	97,941	17.97	21.57	3.98	8.10	0.00	9.25	0.00	370
	ROME									
8675	R67H 18T 12-17CY HYDR/CONTROL	77,100	14.07	16.74	3.20	6.64	0.00	7.58	0.00	235
8680	R89H 27T 18-26CY HYDR/CONTROL	101,945	18.50	22.19	4.16	8.52	0.00	9.72	0.00	365
	SOUTHWEST-HUME									
8690	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	36,960	6.61	7.94	1.51	3.09	0.00	3.54	0.00	137
	SOIL STABILIZER **********									
	BOMAG									
8705	MOD MPH-50 12"DEEP BY 82"WIDE 152 HP D	97,657	23.27	30.41	4.53	10.21	3.79	12.16	4.96	208
8710	MOD MPH-100 14.5"DEEP X 79"WIDE 304 HP D	158,291	40.10	52.72	7.31	16.41	7.59	19.54	9.92	300
	BROS									
8720	MOD LSPRM-8A MASTER MIXER 19" DP 335 HP D	152,012	38.69	50.16	7.09	16.04	8.36	19.12	10.93	300
	TRACTOR, CRAWLER (DOZER) ********** (ADD ATTACHMENTS TO TRACTOR)									
	CASE									
8735	450C P.S. POWER ANGLE/TILT DOZER 63 HP D	43,767	11.58	14.88	2.03	4.47	1.65	5.30	2.18	118
8740	850C P.S. HYDR. ANGLE/TILT DOZER 78 HP D	62,992	16.21	20.84	2.92	6.43	2.05	7.64	2.70	171
8745	1150D P.S. HYDR. ANGLE/TILT DOZER 110 HP D	90,437	23.20	29.82	4.20	9.24	2.89	10.97	3.80	239
8750	1450B P.S. POWER ANGLE/TILT DOZER 140 HP D	126,225	31.87	40.98	5.85	12.88	3.67	15.30	4.84	330

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, VIBRATORY,DD,S/P (CONT'D) ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC (CONT'D)									
8200	CC-50S 28HZ TANDEM 22 TON 181 HP D	142,855	44.57		7.48	18.05	6.14			342
8205	CC-50PD 28HZ TF TANDEM 22 TON 181 HP D	165,660	50.39		8.67	20.93	6.14			419
	RAYGO									
8215	REBEL 1-36 40HZ TANDEM 2 TON 16 HP D	11,208	3.57		0.59	1.42	0.54			23
8220	ROMPER 2-36 40HZ TANDEM 4 TON 35 HP D	25,771	8.14		1.35	3.25	1.19			40
8225	RUSTLER 5604A 50HZ TANDEM 5.5TON 70 HP D	66,974	20.22		3.50	8.46	2.37			132
8230	RUSTLER 7204A 38HZ TANDEM 8 TON 115 HP D	89,155	27.90		4.66	11.26	3.90			250
8235	RANGER 2-66 38HZ TANDEM 8 TON 119 HP D	118,996	35.70		6.23	15.03	4.04			215
	TAMPO									
8245	RS-03 60HZ 36"X24" 2 TON 14 HP G	11,546	4.23		0.61	1.46	0.97			23
8250	RS-144A 50HZ 42"X48" 8 TON 52 HP D	59,789	17.58		3.13	7.55	1.76			100
8255	RS-166A 36HZ 48"X66" 16 TON 80 HP D	89,048	26.31		4.66	11.25	2.71			200
8260	PS-188A 36HZ 60"X84" 30 TON 156 HP D	112,736	35.75		5.89	14.24	5.29			320
8265	RM-199 25HZ 60"X96" 45 TON 262 HP D	200,168	62.81		10.47	25.28	8.89			491
	ROOFING EQUIPMENT **********									
	AEROIL									
8280	EZ LOAD 240 GAL. KETTLE	5,895	2.27		0.36	0.97	0.00			17
8285	EZ LOAD 400 GAL. KETTLE	7,382	2.74		0.47	1.23	0.00			23
8290	EZ LOAD 600 GAL. KETTLE	9,696	3.67		0.60	1.59	0.00			38
8295	JOB TANK 2000 GAL. TRLR MTD.	26,906	9.48		1.61	4.18	0.00			81
8300	MOD 52 HYDRAULIC CONVEYOR 52'H 23 HP G	19,005	7.08		1.19	3.18	1.07			39
8305	MOD 62 HYDRAULIC CONVEYOR 62'H 23 HP G	21,186	7.74		1.33	3.55	1.07			55
8310	MOD 68 HYDRAULIC CONVEYOR 68'H 23 HP G	24,048	8.61		1.51	4.03	1.07			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
	SCRAPERS, SELF-PROPELLED (CONT'D) ********** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	CATERPILLAR (CONT'D)									
8435	633-D 37.5T 34 CY P.S. 450 HP D	466,548	104.21	135.82	21.39	49.06	11.23	58.58	14.69	1042
8440	637-D 37.5T 21-31 CY P.S. 450/250 HP D/D	502,948	120.38	158.84	23.10	53.08	16.58	63.40	21.50	1053
8445	637-D PP 37.5T 21-31 CY P.S. 450/250 HP D/D	524,849	124.24	163.66	24.14	55.50	16.58	66.29	21.50	1077
8450	639-D 37.5T 24-34 CY P.S. 450/250 HP D/D	580,487	136.66	180.94	26.61	61.05	16.58	72.89	21.50	1223
8455	651-E 52 T 32-44 CY P.S. 550 HP D	537,779	118.18	155.13	24.51	56.02	12.32	66.88	16.19	1314
8460	657-E 52 T 32-44 CY P.S. 550/400 HP D/D	655,585	158.61	209.60	30.07	69.05	22.50	82.47	29.18	1516
8465	657-E PP 52 T 32-44 CY P.S. 550/400 HP D/D	696,097	165.75	218.55	31.99	73.53	22.50	87.83	29.18	1589
	FIAT-ALLIS									
8475	161 18.7 T 15 CY P.S. 229 HP D	184,355	43.13	56.37	8.42	19.28	5.72	23.02	7.47	466
8480	260B 25.0 T 15-21 CY P.S. 325 HP D	243,863	55.89	73.40	11.11	25.38	7.28	30.30	9.57	585
8485	261B 26.5 T 23 CY P.S. 325 HP D	273,765	63.14	82.28	12.55	28.79	8.11	34.38	10.61	635
8490	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	294,348	73.03	96.29	13.52	31.07	11.75	37.10	15.24	679
8495	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	351,710	83.61	109.88	16.19	37.29	11.75	44.55	15.24	742
	INTERNATIONAL									
8505	412B 13 T 11 CY P.S. 125 HP D	133,199	30.31	39.27	6.08	13.54	3.12	16.11	4.08	335
8510	431B 24 T 14-21 CY P.S. 326 HP D	260,479	59.12	77.67	11.87	27.10	7.30	32.35	9.60	609
8515	433B 24 T 14-21 CY P.S. 326/185 HP D/D	305,838	76.44	101.22	14.01	32.11	12.10	38.35	15.70	700
8520	442B 25 T 22 CY P.S. 326 HP D	291,158	66.86	87.35	13.32	30.49	8.14	36.40	10.64	680
	JOHN DEERE									
8530	JD762A 13.7 T 11 CY P.S. 175 HP D	133,013	32.02	41.51	6.06	13.51	4.37	16.09	5.71	355
8535	JD862 20.0 T 16 CY P.S. 250 HP D	180,768	43.20	56.49	8.26	18.89	6.24	22.55	8.16	492

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER,VIB,SINGLE DRUM,SELF-PROPELLED ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
7970	CA-15 29HZ 48"X66" 11 TON 73 HP D	62,117	19.18		3.23	7.77	2.48			132
7975	CA-15A 42HZ 48"X66" 12 TON 85 HP D	71,709	22.27		3.68	8.77	2.88			144
7980	CA-15PD 29HZ TF 53"X66" 13 TON 85 HP D	82,016	24.79		4.28	10.29	2.88			157
7985	CA-25A 40HZ 60"X84" 18 TON 125 HP D	91,888	29.19		4.75	11.37	4.24			200
7990	CA-25 28HZ 60"X84" 18 TON 125 HP D	85,662	27.58		4.43	10.61	4.24			200
7995	CA-25S 28HZ 61"X84" 22 TON 125 HP D	92,158	29.24		4.77	11.43	4.24			225
8000	CA-25PD 28HZ 68"X84" 22 TON 125 HP D	106,280	32.85		5.51	13.22	4.24			248
8005	CA-30 28HZ 61"X84" 22 TON 125 HP D	94,900	29.93		4.91	11.77	4.24			242
8010	CA-30D 28HZ 61"X84" 22 TON 125 HP D	102,770	31.95		5.32	12.77	4.24			252
	FERGUSON									
8020	SP 266A 42HZ 48"X66" 15 TON 125 HP D	89,332	28.41		4.68	11.29	4.24			225
8025	SP 75 30HZ 60"X84" 22.5 TON 85 HP D	73,676	22.73		3.81	9.10	2.88			191
8030	SP 75D 30HZ 60"X84" 22.5 TON 120 HP D	78,207	25.45		4.04	9.67	4.07			193
8035	SP 75DT 30HZ TF 60"X84" 22.5 TON 120 HP D	88,878	28.18		4.60	11.02	4.07			236
	INGERSOLL RAND									
8045	SPF-56 30HZ TF 56"X84" 21 TON 115 HP D	94,717	29.45		4.91	11.76	3.90			222
8050	SP-60DD 25HZ 60"X100" 30 TON 203 HP D	140,134	45.11		7.22	17.27	6.89			377
	RAYGO									
8060	RASCAL 220A 30HZ TF38"X48" 6 TON 70 HP D	57,678	17.87		3.00	7.24	2.37			97
8065	RASCAL 303A 38HZ 48"X66" 8 TON 70 HP D	57,541	17.87		2.99	7.18	2.37			137
8070	RASCAL 320A 25HZ TF48"X60" 8 TON 80 HP D	76,729	23.20		4.00	9.63	2.71			151
8075	RASCAL 320S 25HZ 48"X60" 8 TON 80 HP D	66,354	20.56		3.45	8.29	2.71			144
8080	RUSTLER 304A 28HZ 48"X66" 8 TON 70 HP D	65,030	19.90		3.33	7.93	2.37			130
8085	RUSTLER 404B 28HZ 59"X84"13.5TON 88 HP D	86,840	26.20		4.50	10.78	2.98			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
	TRACTOR, CRAWLER (DOZER) (CONT'D) ********** (ADD ATTACHMENTS TO TRACTOR)									
	INTERNATIONAL/DRESSER (CONT'D)									
9150	TD-20-E P.S. 210 HP D	180,393	45.92	59.03	8.37	18.42	5.51	21.87	7.26	476
9155	20D-2 SEMI-U BLADE HYDRAULIC	22,350	4.22	5.43	1.04	2.37	0.00	2.84	0.00	61
9160	20G-2 ANGLE BLADE HYDRAULIC	15,099	2.88	3.68	0.71	1.61	0.00	1.92	0.00	71
9165	TD-25-G P.S. 320 HP D	231,423	56.37	72.68	10.83	24.61	8.40	29.34	11.06	700
9170	25D-2 SEMI-U BLADE HYDRAULIC	27,524	5.25	6.71	1.29	2.93	0.00	3.49	0.00	113
9175	25G-2 ANGLE BLADE HYDRAULIC	22,729	4.37	5.59	1.06	2.42	0.00	2.89	0.00	115
9180	FRONT PUSHER CUSHION	9,551	1.87	2.37	0.45	1.02	0.00	1.21	0.00	29
9185	REAR PUSHER CUSHION	5,549	1.17	1.46	0.26	0.59	0.00	0.70	0.00	23
9190	FRONT PUSH BLK FOR S/BLD	866	0.24	0.29	0.04	0.09	0.00	0.11	0.00	12
	JOHN DEERE									
9200	JD350C/6305 D.D. W/HYD BLADE 42 HP D	35,169	8.99	11.56	1.63	3.59	1.10	4.27	1.45	107
9205	JD450E/6405 D.D. W/HYD BLADE 70 HP D	46,490	12.40	15.96	2.15	4.74	1.84	5.64	2.42	147
9210	JD550B/6405 P.S. W/HYD BLADE 78 HP D	54,965	14.50	18.65	2.55	5.61	2.05	6.66	2.70	156
9215	JD750B H.S. W/HYD BLADE 120 HP D	85,354	22.47	28.89	3.97	8.72	3.15	10.34	4.15	291
9220	JD750B LPG H.S. W/TILT BLADE 120 HP D	89,106	23.27	29.92	4.14	9.10	3.15	10.80	4.15	313
9225	JD850B H.S. W/TILT BLADE 165 HP D	114,165	30.22	38.86	5.30	11.66	4.33	13.84	5.70	363
9230	JD850B LPG H.S. W/TILT BLADE 165 HP D	127,513	33.06	42.50	5.92	13.02	4.33	15.46	5.70	435
	KOMATSU									
9240	D31A-17 H.S. 66 HP D	40,141	10.90	14.04	1.87	4.10	1.73	4.87	2.28	132
9245	ANGLE TILTDOZER BLADE	6,503	1.37	1.72	0.31	0.70	0.00	0.83	0.00	20
9250	D41A-3 H.S. 90 HP D	60,483	16.09	20.72	2.80	6.17	2.36	7.34	3.11	231
9255	STRAIGHT TILTDOZER BLADE	7,060	1.47	1.84	0.33	0.75	0.00	0.89	0.00	24
9260	D53A-17 H.S. 124 HP D	93,174	24.27	31.23	4.32	9.51	3.25	11.30	4.29	246
9265	ANGLE TILTDOZER BLADE	7,746	1.61	2.01	0.37	0.83	0.00	0.98	0.00	42
9270	D65E-7 H.S. 165 HP D	130,931	33.78	43.44	6.07	13.36	4.33	15.88	5.70	377

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, SMOOTH WHEEL, SELF-PROPELLED **********									
	FERGUSON									
7760	3-5 TON TANDEM 52 HP D	27,761	6.79		1.30	2.94	1.26			77
7765	4-6 TON TANDEM 52 HP D	33,120	7.79		1.54	3.50	1.26			96
7770	5-8 TON TANDEM 85 HP D	50,600	12.11		2.37	5.37	2.07			136
7775	8-10 TON TANDEM 85 HP D	52,874	12.53		2.47	5.60	2.07			174
7780	8-12 TON TANDEM 85 HP D	55,238	12.98		2.58	5.85	2.07			176
7785	10-14 TON TANDEM 85 HP D	57,550	13.42		2.70	6.10	2.07			219
	INGRAM									
7795	12 TON EB 3 WHEEL 3" OVERLAP 107 HP G	55,306	17.08		2.58	5.86	5.37			194
7800	12 TON EB 3 WHEEL 3" OVERLAP 85 HP D	59,352	13.76		2.77	6.29	2.07			196
7805	14 TON EB 3 WHEEL 3" OVERLAP 107 HP G	58,657	17.71		2.74	6.21	5.37			221
7810	14 TON EB 3 WHEEL 3" OVERLAP 85 HP D	62,703	14.38		2.93	6.64	2.07			223
7815	4-6 TON FB 2 WHEEL TANDEM 54 HP G	27,163	8.47		1.27	2.87	2.71			82
7820	6-9 TON GB 2 WHEEL TANDEM 107 HP G	36,842	13.61		1.73	3.91	5.37			133
7825	6-9 TON GB 2 WHEEL TANDEM 85 HP D	40,889	10.27		1.91	4.33	2.07			135
7830	8-12 TON HB 2 WHEEL TANDEM 107 HP G	44,684	15.09		2.09	4.74	5.37			171
7835	8-12 TON HB 2 WHEEL TANDEM 85 HP D	48,730	11.76		2.28	5.17	2.07			173
7840	10-14 TON HB 2 WHEEL TANDEM 107 HP G	48,194	15.75		2.25	5.11	5.37			203
7845	10-14 TON HB 2 WHEEL TANDEM 85 HP D	52,240	12.41		2.44	5.53	2.07			205

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)									
	TEREX (GM) (CONT'D)									
9405	CUSHIONED PUSH BLADE	27,741	5.30	6.77	1.30	2.95	0.00	3.51	0.00	113
9410	PUSH PLATE (WELD ON)	1,170	0.26	0.33	0.05	0.12	0.00	0.15	0.00	6
9415	PUSH BLOCK (CUSHION REAR)	7,429	1.50	1.89	0.35	0.79	0.00	0.94	0.00	21
	TRACTOR, WHEEL TYPE (DOZER) **********									
	CATERPILLAR									
9430	814-B ARTICULATED ST BLADE P.S. 210 HP D	165,415	36.68	48.69	7.65	17.66	5.11	21.10	6.72	465
9435	824-C ARTICULATED ST BLADE P.S. 310 HP D	240,133	55.26	75.66	10.94	24.97	7.54	29.80	9.92	624
9440	834-B ARTICULATED ST BLADE P.S. 450 HP D	354,934	78.94	106.70	16.09	36.60	10.94	43.66	14.40	892
	CLARK									
9450	280B ARTICULATED ST BLADE P.S. 302 HP D	255,617	58.24	80.13	11.62	26.48	7.34	31.60	9.66	749
9455	380B ARTICULATED ST BLADE P.S. 572 HP D	432,904	97.00	131.07	19.62	44.64	13.91	53.26	18.30	1253
	TRACTOR, WHEEL TYPE (FARM) **********									
	JOHN DEERE									
9470	MOD 401 D 62 HP D	19,434	5.43	7.13	0.90	2.08	1.51	2.49	1.98	47
9475	MOD 2150 50 HP D	15,947	4.51	6.01	0.74	1.69	1.22	2.01	1.60	50
9480	MOD 2350 62 HP D	17,533	5.16	6.88	0.81	1.85	1.51	2.21	1.98	66
9485	MOD 2750 83 HP D	21,494	6.46	8.54	0.99	2.29	2.02	2.74	2.66	73
	TRENCHER, CHAIN **********									
	DITCH WITCH									
9500	MOD C99 6"X24" TRENCH 9 HP G	3,392	1.27	1.62	0.15	0.34	0.45	0.40	0.59	6
9505	MOD 2200 8"X36" TRENCH 18 HP G	13,795	3.90	5.05	0.64	1.44	0.90	1.72	1.18	30
9510	MOD 2300 10"X36" TRENCH 28 HP G	19,194	5.62	7.27	0.89	2.01	1.40	2.39	1.83	33
9515	MOD 6510 12"X54" TRENCH 64 HP D	34,990	9.00	11.66	1.61	3.62	1.56	4.32	2.05	106

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, R/T,SELF-PROPELLED (CONT'D) **********												
	INGRAM (CONT'D)												
7535	11-2700	15 TON	107 HP	G	38,297	13.97		1.77	3.97	5.37			89
7540	11-2700	15 TON	76 HP	D	42,650	10.42		1.97	4.43	1.85			91
7545	13-2300	15 TON	107 HP	G	40,039	14.32		1.85	4.14	5.37			86
7550	13-2300	15 TON	76 HP	D	44,407	10.77		2.05	4.60	1.85			90
7555	9-6000	27 TON	117 HP	D	97,165	22.22		4.46	9.94	2.85			205
	TAMPO												
7565	SP-312	12 TON	68 HP	D	39,389	9.55		1.82	4.10	1.65			66
7570	SP-518	15 TON	68 HP	D	48,818	11.35		2.26	5.09	1.65			95
7575	SP-950	27 TON	130 HP	D	100,698	23.24		4.63	10.34	3.16			198
7580	SP-1070 M	35 TON	130 HP	D	121,127	27.67		5.46	12.03	3.16			258
	ROLLER, RUBBER TIRED, TOWED **********												
	FERGUSON												
7595	RT-100S	50 TON			66,771	12.58		2.79	5.75	0.00			200
7600	RT-120S	60 TON			78,750	15.45		3.50	7.61	0.00			218
	SOUTHWEST												
7610	C 50	50 TON			81,678	15.58		3.51	7.40	0.00			344
7615	C 75	75 TON			88,502	16.84		3.71	7.66	0.00			408
7620	C 100XL	100 TON			120,264	23.04		5.19	11.02	0.00			601
	TAMPO												
7630	R-13	14 TON			9,994	1.99		0.44	0.96	0.00			35

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCKS, HIGHWAY ********** (CHASSIS ONLY)									
	FORD									
9620	F150 4X2 1/2T PKUP 6100 GVW 137 HP G	8,671	4.49	5.78	0.51	1.26	1.56	1.46	2.08	38
9625	F150 4X4 1/2T PKUP 6250 GVW 137 HP G	10,782	5.09	6.57	0.63	1.57	1.56	1.83	2.08	42
9630	F250 4X2 3/4T PKUP 6900 GVW 137 HP G	9,555	4.75	6.12	0.55	1.37	1.56	1.60	2.08	40
9635	F250 4X4 3/4T PKUP 7400 GVW 137 HP G	11,258	5.25	6.77	0.65	1.62	1.56	1.89	2.08	44
9640	F350 2AX 10000 GVW 137 HP G	10,224	4.99	6.44	0.59	1.44	1.56	1.68	2.08	42
9645	F600 2AX 18500 GVW 154 HP G	17,896	9.21	12.15	0.88	1.98	4.10	2.49	5.27	65
9650	F600 2AX 18500 GVW 162 HP D	24,820	8.82	11.84	1.23	2.80	2.82	3.53	3.66	65
9655	F700 2AX 24500 GVW 177 HP G	20,731	10.58	13.96	1.03	2.33	4.71	2.92	6.05	65
9660	F700 2AX 24500 GVW 162 HP D	28,042	9.48	12.73	1.41	3.19	2.82	4.01	3.66	73
9665	F800 2AX 27000 GVW 177 HP G	22,847	11.06	14.60	1.14	2.56	4.71	3.21	6.05	72
9670	F800 2AX 27000 GVW 162 HP D	29,396	10.04	13.45	1.45	3.23	2.82	4.04	3.66	76
9675	LT800 3AX 43000 GVW 223 HP G	35,649	19.62	25.91	1.79	4.18	8.81	5.28	11.36	110
9680	LT8000 3AX 44800 GVW 175 HP D	48,962	16.72	22.49	2.47	5.78	4.57	7.30	5.94	126
9685	LTS8000 3AX 46000 GVW 175 HP D	51,253	17.22	23.16	2.59	6.06	4.57	7.65	5.94	130
9690	LNT8000 3AX 46000 GVW 175 HP D	48,456	16.64	22.36	2.44	5.71	4.57	7.21	5.94	124
9695	CT8000 3AX 46000 GVW 175 HP D	56,508	18.31	24.67	2.86	6.71	4.57	8.48	5.94	136
9700	LT9000 3AX 58000 GVW 82000 GCW 239 HP D	74,429	24.43	32.92	3.76	8.83	6.24	11.16	8.11	172
9705	LTS9000 3AX 60000 GVW 82000 GCW 239 HP D	79,075	25.46	34.30	3.99	9.37	6.24	11.84	8.11	180
9710	LNT9000 3AX 60000 GVW 82000 GCW 239 HP D	74,999	24.61	33.13	3.78	8.86	6.24	11.19	8.11	175
9715	CLT9000 3AX 82000 GCW 286 HP D	73,710	25.74	34.63	3.74	8.79	7.46	11.12	9.70	149
	GMC AND CHEVROLET									
9725	C10903 4X2 1/2T PKUP 6100 GVW 165 HP G	8,655	4.89	6.34	0.51	1.25	1.88	1.45	2.51	46
9730	C10906 4X2 SUBURBAN 6800 GVW 165 HP G	11,186	5.59	7.22	0.65	1.62	1.88	1.89	2.51	52
9735	K10906 4X4 SUBURBAN 7000 GVW 165 HP G	12,313	5.93	7.65	0.73	1.80	1.88	2.09	2.51	56
9740	C20903 4X2 3/4T PKUP 8600 GVW 165 HP G	10,328	5.36	6.92	0.61	1.50	1.88	1.74	2.51	49
9745	K20903 4X4 3/4T PKUP 6600 GVW 165 HP G	12,024	5.87	7.56	0.71	1.76	1.88	2.04	2.51	54

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	RIPPER & HYDRAULIC BANK SLOPER ********** (DOES NOT INCLUDE COST OF POINT WEAR)									
	ATECO									
7285	V-RAR-1 SINGLE SHANK EXTREME SVC	39,000	9.02	12.32	2.04	4.94	0.00	6.27	0.00	141
7290	V-RAR-1 SHANKS EA W/GUARD	3,052	0.69	0.95	0.16	0.38	0.00	0.49	0.00	15
7295	LPAF-D8K PARALLEL LIFT	24,709	5.72	7.82	1.29	3.13	0.00	3.98	0.00	101
7300	D-8K SHANKS EA	1,940	0.44	0.61	0.10	0.24	0.00	0.32	0.00	11
7305	LPAF-D7G PARALLEL LIFT	18,474	4.28	5.85	0.97	2.34	0.00	2.98	0.00	57
7310	D-7G SHANKS EA	849	0.19	0.26	0.04	0.10	0.00	0.13	0.00	5
7315	V-LPRF-TD25E PARALLEL LIFT STD SVC	21,225	4.93	6.73	1.11	2.69	0.00	3.42	0.00	97
7320	TD-25C SHANKS EA	1,917	0.43	0.59	0.10	0.24	0.00	0.30	0.00	8
7325	V-LPRF-TD20E PARALLEL LIFT STD SVC	15,357	3.57	4.87	0.80	1.94	0.00	2.47	0.00	51
7330	TD-20E SHANKS EA	1,226	0.27	0.39	0.06	0.15	0.00	0.20	0.00	4
7335	PS-TD15C RADIAL LIFT	8,986	2.13	2.89	0.47	1.14	0.00	1.45	0.00	22
7340	TD-15C SHANKS EA	487	0.11	0.14	0.02	0.06	0.00	0.07	0.00	1
7345	V-LPRF 82-50 PARALLEL LIFT STD SVC	23,685	5.47	7.47	1.24	3.00	0.00	3.81	0.00	105
7350	82-50 SHANKS EA	1,917	0.43	0.59	0.10	0.24	0.00	0.30	0.00	8
7355	V-LPRF-82-30BPARALLEL LIFT	21,053	4.87	6.66	1.10	2.67	0.00	3.39	0.00	89
7360	82-30 SHANKS EA	2,595	0.59	0.80	0.14	0.33	0.00	0.41	0.00	8
7365	HBS-HYDR BANK SLOPER 260-475 HP	9,279	1.82	2.31	0.44	0.99	0.00	1.18	0.00	28
	CATERPILLAR									
7375	D-10 MULTI-SHANK BEAM	51,941	12.05	16.43	2.72	6.59	0.00	8.35	0.00	218
7380	D-10 SHANKS EA	3,786	0.86	1.18	0.20	0.48	0.00	0.61	0.00	15
7385	D-10 SINGLE-SHANK BEAM	55,291	12.80	17.48	2.89	7.01	0.00	8.90	0.00	209
7390	D-9L MULTI-SHANK BEAM W/HYD-CONTROL	44,027	10.18	13.91	2.30	5.58	0.00	7.09	0.00	162
7395	D-9L SHANKS EA	3,404	0.77	1.06	0.18	0.43	0.00	0.55	0.00	14
7400	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK	40,980	9.49	12.95	2.15	5.20	0.00	6.59	0.00	156
7405	D-8L MULTI-SHANK BEAM HYD-CONTROL	29,699	6.87	9.37	1.56	3.77	0.00	4.78	0.00	98
7410	D-8L SHANKS EA	1,913	0.43	0.59	0.10	0.24	0.00	0.30	0.00	7

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
	TRUCKS, HIGHWAY (CONT'D) ********** (CHASSIS ONLY)									
	KENWORTH									
9875	K100 3AX 48000 GVW 85000 GCW 300 HP D	73,089	26.01	34.96	3.72	8.76	7.83	11.07	10.18	138
9880	W900 3AX 48000 GVW 85000 GCW 300 HP D	73,648	26.12	35.11	3.74	8.82	7.83	11.15	10.18	140
9885	C500 3AX 56000 GVW 85000 GCW 270 HP D	79,196	26.27	35.40	4.04	9.52	7.05	12.03	9.16	144
	PETERBILT									
9895	MOD 348 3AX 50000 GVW 85000 GCW 245 HP D	81,292	26.12	35.26	4.12	9.70	6.39	12.26	8.31	121
9900	MOD 362 3AX 46000 GVW 85000 GCW 300 HP D	71,307	25.64	34.45	3.63	8.53	7.83	10.79	10.18	131
9905	MOD 359 3AX 46000 GVW 85000 GCW 300 HP D	68,749	25.10	33.70	3.49	8.21	7.83	10.37	10.18	134
9910	MOD 353 3AX 56000 GVW 130000 GCW 350 HP D	76,656	28.41	38.16	3.90	9.19	9.13	11.63	11.88	174
	TRUCK ACCESSORIES ********** (CHASIS NOT INCLUDED)									
	CRANES, HYDRAULIC									
9925	5.3T@5'RAD 24000 GVW MIN	26,445	5.81		1.39	3.35	0.00			79
9930	8.0T@3'RAD 26500 GVW MIN	31,800	6.97		1.67	4.03	0.00			84
9935	12.5T@4'RAD 27000 GVW MIN	49,232	10.73		2.58	6.23	0.00			142
9940	13.5T@4'RAD 44000 GVW MIN	60,907	13.25		3.19	7.71	0.00			158
9945	15.0T@4'RAD 48000 GVW MIN	67,335	14.64		3.53	8.52	0.00			211
	DUMP BODY, REAR, W/HOIST									
9955	5CY 24000 TO 26000 GVW	6,330	1.46	1.97	0.33	0.80	0.00	1.02	0.00	26
9960	AIR GATE 8CY 27000 TO 30000 GVW	10,002	2.25	3.06	0.53	1.27	0.00	1.61	0.00	44
9965	AIR GATE 10CY 36000 AND UP GVW	10,113	2.27	3.09	0.53	1.28	0.00	1.62	0.00	45
9970	AIR GATE 12CY 36000 AND UP GVW	10,258	2.31	3.13	0.54	1.30	0.00	1.64	0.00	46
	FLATBEDS W/CONT. SIDES									
9980	8'X9.5'	2,035	0.44		0.11	0.26	0.00			11
9985	8'X10.5'	2,099	0.46		0.11	0.27	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
	PUMPS, GROUT **********									
	CHEMGROUT									
7085	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,759	3.31		0.68	1.69	0.00			11
7090	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,710	1.27		0.26	0.63	0.00			5
7095	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	18,825	4.96		1.00	2.49	0.00			18
7100	CG-620 COLLOIDAL ADD-ON TO CG-500	8,129	2.06		0.44	1.08	0.00			11
	PUMPS, WATER (FOR CORE DRILLS) **********									
	ACKER									
7115	MOD APS 11-5 6 GPM UP TO 100 PS 2 HP G	769	0.32		0.04	0.08	0.14			2
	PUMPS, WATER,CENTRIFUGAL,DEWATERING **********									
	HOMELITE - SKID MOUNTED									
7130	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	478	0.27		0.02	0.05	0.14			1
7135	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	617	0.40		0.03	0.07	0.21			1
7140	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	1,143	0.93		0.05	0.11	0.55			2
	MARLOW - WHEEL MOUNTED									
7150	MOD 4D2 465 GPM @ 20 ' HEAD 43 HP G	9,118	5.58		0.42	0.92	2.97			14
7155	MOD 4C7 595 GPM @ 20 ' HEAD 30 HP D	9,219	3.10		0.43	0.94	1.02			10
7160	MOD 6E4A 1100 GPM @ 20 ' HEAD 79 HP G	12,840	9.57		0.60	1.31	5.46			15
7165	MOD 6E4A 1100 GPM @ 20 ' HEAD 60 HP D	14,433	5.46		0.67	1.47	2.04			24
7170	MOD 8FA3 2320 GPM @ 20 ' HEAD 70 HP D	22,352	7.37		1.03	2.27	2.37			23
7175	MOD 10FA61 2775 GPM @ 20 ' HEAD 68 HP D	23,784	7.55		1.10	2.42	2.31			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
	TRUCK TRAILERS (CONT'D) **********									
	BOTTOM DUMP (CONT'D)									
10110	20CY 35T OFF-HIGHWAY	45,173	8.21	10.48	2.07	4.73	0.00	5.65	0.00	175
10115	32CY 55T OFF-HIGHWAY	95,441	17.76	22.58	4.28	9.63	0.00	11.47	0.00	365
10120	43CY 70T OFF-HIGHWAY	106,111	19.81	25.19	4.74	10.65	0.00	12.68	0.00	445
	END DUMP									
10130	20CY 24T	35,565	6.50	8.29	1.63	3.72	0.00	4.43	0.00	146
	LOWBOY, RIGID NECK, DROP DECK									
10140	25 TON 2 AXLE	21,079	3.53		0.93	1.87	0.00			89
10145	30 TON 2 AXLE	23,377	3.88		1.02	2.07	0.00			94
10150	35 TON 2 AXLE	25,493	4.19		1.12	2.27	0.00			109
10155	35 TON 3 AXLE	29,335	4.92		1.27	2.57	0.00			134
10160	40 TON 3 AXLE	30,611	5.14		1.33	2.67	0.00			144
10165	50 TON 3 AXLE	35,243	5.84		1.54	3.11	0.00			161
10170	60 TON 3 AXLE	38,049	6.45		1.65	3.28	0.00			188
10175	70 TON 3 AXLE	46,244	7.66		2.02	4.07	0.00			213
10180	75 TON 3 AXLE	47,659	7.87		2.08	4.21	0.00			228
10185	80 TON 4 AXLE	54,443	8.90		2.40	4.88	0.00			266
10190	90 TON 4 AXLE	58,656	9.68		2.57	5.20	0.00			297
10195	100 TON 4 AXLE	65,588	10.79		2.87	5.81	0.00			313
10200	120 TON 4 AXLE	76,220	12.74		3.29	6.59	0.00			351
10205	HELPER DOLLY 60 T TRAILER MAX	18,124	3.10		0.78	1.55	0.00			62
	PLATFORM TRAILERS									
10215	25 TON 2 AXLE	17,029	2.94		0.73	1.45	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
	PILE HAMMERS, SINGLE ACTING (CONT'D) **********									
	VULCAN (CONT'D)									
6835	012 39000 FT-LBS 1500CFM A	60,394	18.16		3.47	8.27	0.00			287
6840	014 42000 FT-LBS 1750CFM A	72,833	22.07		4.19	9.97	0.00			283
6845	016 48750 FT-LBS 1750CFM A	82,512	24.88		4.75	11.30	0.00			320
6850	020 60000 FT-LBS 2150CFM A	108,388	32.60		6.23	14.84	0.00			425
6855	030 90000 FT-LBS 2350CFM A	123,152	36.98		7.07	16.85	0.00			575
	PILE HAMMERS, DOUBLE ACTING **********									
	I.C.E									
6870	180 8100 FT-LBS 23 HP D	28,126	8.90		1.62	3.85	0.56			54
6875	440 18100 FT-LBS 50 HP D	59,187	18.78		3.40	8.10	1.22			130
6880	520 30000 FT-LBS 76 HP D	68,583	22.32		3.94	9.38	1.85			156
6885	640 40000 FT-LBS 90 HP D	72,167	23.82		4.15	9.88	2.19			186
6890	660 50000 FT-LBS 133 HP D	97,210	32.46		5.58	13.30	3.23			309
6895	1070 70000 FT-LBS 136 HP D	116,055	38.04		6.67	15.89	3.31			252
	MITSUBISHI									
6905	MH-15 16300 FT-LBS 45 HP D	64,032	20.33		3.68	8.76	1.09			95
6910	MH-25 27500 FT-LBS 79 HP D	78,026	25.64		4.49	10.68	1.92			147
6915	MH-35 38600 FT-LBS 116 HP D	97,283	32.51		5.59	13.31	2.82			205
6920	MH-45 50200 FT-LBS 129 HP D	124,404	40.90		7.14	17.02	3.14			271
6925	MH-72 LAND 79500 FT-LBS 216 HP D	231,923	75.49		13.32	31.74	5.25			456
6930	MH-80 OFFSHORE 88000 FT-LBS 268 HP D	267,228	87.72		15.36	36.58	6.52			456
	MKT CORPORATION									
6940	9-B-3 8750 FT-LBS 900CFM A	34,590	10.53		1.99	4.73	0.00			72
6945	10-B-3 13100 FT-LBS 1200CFM A	36,781	11.31		2.11	5.03	0.00			111
6950	11-B-3 19150 FT-LBS 1200CFM A	49,105	14.89		2.82	6.72	0.00			141
6955	5 (SELF STOP) 1000 FT-LBS 375CFM A	12,552	3.89		0.72	1.72	0.00			17

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	AVERAGE COND. FUEL	SEVERE COND. OWNER-SHIP	SEVERE COND. FUEL	CWT
	TRUCKS, OFF-HIGHWAY (CONT'D) **********									
	DJB/CATERPILLAR (CONT'D) (ARTICULATED FRAME)									
10345	D550 55T 32-43 CY P.S. 450 HP D	408,989	76.46	99.07	17.07	36.85	6.91	42.31	8.93	834
	EUCLID									
10355	R25-215FD 25T 14-19 CY P.S. 214 HP D	193,896	34.84	44.70	8.18	17.81	3.29	20.45	4.25	404
10360	R35-302TD 35T 22-30 CY P.S. 450 HP D	307,195	59.00	76.27	12.99	28.34	6.91	32.58	8.93	623
10365	R50-301LD 50T 31-41 CY P.S. 608 HP D	404,749	79.97	104.32	17.00	36.88	9.34	42.36	12.06	836
10370	R75-301ND 75T 46-69 CY P.S. 646 HP D	540,841	100.77	131.01	22.55	48.60	9.92	55.79	12.82	1123
10375	R85-306ND 85T 52-67 CY P.S. 755 HP D	556,629	106.28	138.57	23.14	49.74	11.60	57.07	14.98	1227
	TEREX									
10385	33-03B 22T 15-18 CY P.S. 215 HP D	172,273	32.28	41.67	7.30	15.92	3.30	18.28	4.27	400
10390	33-05B 30T 19-23 CY P.S. 321 HP D	250,949	47.46	61.45	10.60	23.10	4.93	26.55	6.37	525
10395	33-07 40T 25-32 CY P.S. 493 HP D	308,621	63.11	83.12	12.87	27.75	7.57	31.84	9.78	756
10400	33-09 55T 34-44 CY P.S. 624 HP D	416,239	84.09	110.68	17.37	37.47	9.58	43.01	12.38	992
10405	33-11D 85T 51-65 CY P.S. 840 HP D	614,152	116.47	151.28	25.62	55.26	12.90	63.43	16.67	1350
10410	33-14 120T 65-88 CY P.S.1092 HP D	898,324	167.45	217.45	37.49	80.88	16.77	92.83	21.67	1950
	WABCO									
10420	HAULPAK35D 35T 23-29 CY P.S. 420 HP D	304,930	58.07	75.05	12.90	28.14	6.45	32.33	8.33	630
10425	HAULPAK50B 50T 31-40 CY P.S. 576 HP D	435,349	83.80	109.04	18.33	39.82	8.85	45.75	11.43	792
10430	HAULPAK60B 60T 34-48 CY P.S. 642 HP D	467,388	91.96	120.44	19.58	42.38	9.86	48.66	12.74	900
10435	75C 75T 44-57 CY P.S. 679 HP D	530,252	99.34	128.88	22.15	47.82	10.43	54.90	13.47	950
10440	85D 85T 47-67 CY P.S. 818 HP D	592,250	112.80	146.72	24.68	53.16	12.56	61.01	16.23	1240
10445	100 100T 47-77 CY P.S.1050 HP D	719,795	140.39	183.92	29.77	63.73	16.13	73.09	20.83	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	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									
6640	340B LDR/BH 16 CF FE BUCKET 48 HP D 24" B/H DIPPER	33,168	7.82	9.95	1.51	3.27	1.17	3.88	1.54	103
6645	445A LDR/BH 3/4 CY FE BUCKET 48 HP D 24" B/H DIPPER	36,824	8.49	10.78	1.69	3.65	1.17	4.32	1.54	114
6650	545A LDR/BH 3/4 CY FE BUCKET 60 HP D 24" B/H DIPPER	39,205	9.31	11.83	1.79	3.89	1.46	4.61	1.92	119
6655	555B LDR/BH 1 CY FE BUCKET 63 HP D 24" B/H DIPPER	43,893	10.37	13.19	2.00	4.32	1.53	5.12	2.02	135
6660	655A LDR/BH 1 CY FE BUCKET 72 HP D 24" B/H DIPPER	48,932	11.57	14.71	2.23	4.83	1.75	5.73	2.30	149
6665	755A LDR/BH 1 1/2 CY FE BUCKET 100 HP D 24" B/H DIPPER	69,709	16.28	20.64	3.19	6.95	2.43	8.24	3.20	167
	MASSEY FERGUSON									
6675	MF 30E LDR/BH 3/4 CY FE BUCKET 48 HP D 24" B/H DIPPER	37,693	8.56	10.82	1.73	3.78	1.17	4.48	1.54	107
6680	MF 50E LDR/BH 1 CY FE BUCKET 65 HP D 24" B/H DIPPER	42,857	10.09	12.79	1.96	4.28	1.58	5.08	2.08	120
6685	MF 50HX LDR/BH 1 CY FE BUCKET 72 HP D 24" B/H DIPPER	45,303	10.92	13.88	2.06	4.46	1.75	5.28	2.30	129
	LOADER/BACKHOE, CRLR TYPE TRACTOR **********									
	CASE									
6700	455C LDR/BHOE 1 CY FE BUCKET 63 HP D 24" B/H DIPPER	71,752	18.96	23.87	3.36	7.63	1.65	9.10	2.18	191
6705	855C LDR/BHOE 1 1/2 CY FE BUCKET 78 HP D 24" B/H DIPPER	79,575	21.32	26.85	3.72	8.46	2.05	10.09	2.70	245
	CATERPILLAR									
6715	931BLDR/BHOE 1 CY FE BUCKET 65 HP D 30" B/H DIPPER	55,744	15.32	19.31	2.61	5.93	1.71	7.07	2.25	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
	WAGONS, REAR DUMP **********									
	CATERPILLAR-ATHEY									
10570	621B/PR621B 33T 22-26CY P.S. 330 HP D	272,161	55.20	72.05	11.40	24.67	8.03	28.32	10.56	630
10575	631D/PR631D 40T 27-32CY P.S. 450 HP D	391,206	78.11	101.78	16.43	35.61	10.94	40.90	14.40	833
	WATER BLASTER **********									
	ACE									
10590	MOD S6 3000GE PORTABLE 3000 PSI 18 HP D	4,700	2.44		0.28	0.72	0.65			3
10595	MOD S5 3500GE PORTABLE 3000 PSI 18 HP D	4,778	2.48		0.29	0.74	0.65			3
10600	MOD S5 3000E SKID MTD 3000 PSI 10 HP E	3,923	1.34		0.23	0.59	0.00			3
10605	MOD S6 3000E SKID MTD 3000 PSI 15 HP E	4,487	1.54		0.27	0.69	0.00			3
	AMERICAN AERO/WEATHERFORD									
10615	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	34,404	16.11		2.11	5.49	3.26			42
10620	WBDI5O 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	52,084	25.43		3.20	8.33	5.73			70
	WATER TANKS **********									
	SKID MOUNTED									
10635	WST-8 8000 GAL. SOUTHWEST	15,786	2.14		0.68	1.46	0.00			107
10640	WST-10 10000 GAL. SOUTHWEST	18,395	2.49		0.79	1.70	0.00			122
10645	WST-12 12000 GAL. SOUTHWEST	21,401	2.90		0.92	1.98	0.00			142
	PORTABLE (WITH WHEELS)									
10655	EWT-8 8000 GAL. SOUTHWEST 8 HP G	28,726	4.49		1.21	2.57	0.40			130
10660	EWT-10 10000 GAL. SOUTHWEST 8 HP G	32,463	4.99		1.37	2.91	0.40			170
10665	EWT-12 12000 GAL. SOUTHWEST 8 HP G	36,010	5.48		1.53	3.25	0.40			185

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	
	LOADERS, F.E., WHEEL TYPE (CONT'D) **********									
	JOHN DEERE (CONT'D)									
6425	544C 2 CY ARTIC 105 HP D	76,319	17.33	22.41	3.50	7.62	2.55	9.03	3.36	197
6430	644C 3 CY ARTIC 145 HP D	109,712	25.10	32.82	5.00	10.82	3.53	12.82	4.64	260
6435	844 4-1/2 CY ARTIC 260 HP D	203,090	44.24	58.64	8.50	18.35	6.32	21.06	8.32	490
	KAWASAKI									
6445	KSS-65Z 2.2 CY 104 HP D	66,332	15.80	20.74	3.02	6.52	2.53	7.72	3.33	225
6450	KSS-70 3.0 CY 158 HP D	92,935	22.75	30.06	4.21	9.06	3.84	10.73	5.06	305
6455	KSS-80ZII 3.5 CY 165 HP D	99,539	24.20	31.94	4.51	9.71	4.01	11.51	5.28	327
6460	KSS-85ZII 4.0 CY 217 HP D	135,566	32.91	43.60	6.13	13.17	5.28	15.58	6.94	409
6465	KSS-95ZII 5.5 CY 305 HP D	186,466	42.66	56.48	7.80	16.86	7.42	19.35	9.76	615
6470	KSS-110Z 7.5 CY 383 HP D	293,299	62.63	82.80	12.13	25.96	9.31	29.77	12.26	864
	MASSEY FERGUSON									
6480	MF 30E 3/4 CY 48 HP D	27,344	6.55	8.47	1.25	2.72	1.17	3.23	1.54	69
6485	MF 50E 3/4 CY 65 HP D	29,768	7.61	9.88	1.36	2.95	1.58	3.50	2.08	80
6490	MF 50HX 1 CY 72 HP D	33,030	8.64	11.41	1.49	3.21	1.75	3.80	2.30	96
	TEREX (GM)									
6500	33C 2 CY 103 HP D	65,993	15.70	20.61	3.00	6.48	2.50	7.68	3.30	216
6505	44D 2-1/2 CY 123 HP D	77,036	18.31	23.91	3.52	7.61	2.99	9.02	3.94	250
6510	55C 3-1/4 CY 144 HP D	106,956	24.76	32.59	4.85	10.47	3.50	12.41	4.61	280
6515	60C 3-1/2 CY 168 HP D	114,624	26.92	35.34	5.21	11.25	4.09	13.34	5.38	309
6520	66C 4 CY 210 HP D	148,870	34.93	46.08	6.75	14.54	5.11	17.22	6.72	425
6525	70C 4-1/2 CY 247 HP D	167,142	35.84	46.10	7.09	15.51	6.01	17.83	7.90	433
6530	80C 5-1/2 CY 307 HP D	225,394	49.19	64.74	9.46	20.49	7.47	23.52	9.82	590
6535	90C 7-1/2 CY 460 HP D	335,301	71.59	93.84	13.94	29.99	11.19	34.42	14.72	989

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., WHEEL TYPE (CONT'D) **********									
	CATERPILLAR									
6180	910 1-1/4 CY ARTIC 65 HP D	48,324	11.14	14.62	2.20	4.75	1.58	5.62	2.08	145
6185	IT12 (INTEGRATED TOOL CARRIER) 65 HP D	57,417	12.71	16.58	2.62	5.67	1.58	6.72	2.08	172
6190	916 1-1/2 CY ARTIC 85 HP D	69,773	15.60	20.30	3.18	6.91	2.07	8.19	2.72	183
6195	IT18 (INTEGRATED TOOL CARRIER) 85 HP D	74,762	16.46	21.38	3.42	7.42	2.07	8.80	2.72	204
6200	920 1-3/4 CY ARTIC 80 HP D	70,987	15.65	20.35	3.25	7.04	1.95	8.35	2.56	186
6205	926 2 CY ARTIC 105 HP D	79,711	18.00	23.36	3.65	7.93	2.55	9.40	3.36	198
6210	IT28 (INTEGRATED TOOL CARRIER) 105 HP D	85,037	18.92	24.52	3.90	8.47	2.55	10.05	3.36	231
6215	930 2-1/4 CY ARTIC 100 HP D	81,314	18.24	23.79	3.71	8.04	2.43	9.54	3.20	212
6220	936 2-1/2 CY ARTIC 125 HP D	100,184	22.38	29.01	4.59	9.97	3.04	11.83	4.00	261
6225	950-B 3 CY ARTIC 155 HP D	130,013	29.06	37.93	5.93	12.84	3.77	15.22	4.96	328
6230	966-D 4 CY ARTIC 200 HP D	179,690	39.93	52.38	8.17	17.66	4.86	20.94	6.40	441
6235	980-C 5-1/4 CY ARTIC 270 HP D	242,348	50.64	66.37	10.19	22.11	6.57	25.40	8.64	601
6240	988-B 7 CY ARTIC 375 HP D	349,855	71.17	93.02	14.58	31.40	9.12	36.03	12.00	892
6245	992-C 13-1/2 CY ARTIC 690 HP D	714,012	145.25	192.50	29.48	63.01	16.78	72.26	22.08	1928
	CLARK/MICHIGAN									
6255	35C 1-1/2 CY 85 HP D	61,668	14.15	18.42	2.82	6.11	2.07	7.24	2.72	180
6260	45C 2 CY 110 HP D	72,282	16.90	21.99	3.30	7.17	2.68	8.50	3.52	206
6265	55C 2-1/2 CY ARTIC 121 HP D	84,147	19.46	25.36	3.84	8.33	2.94	9.88	3.87	262
6270	75C 3 CY ARTIC 154 HP D	122,911	27.98	36.77	5.58	12.05	3.75	14.28	4.93	313
6275	125C 4 CY ARTIC 203 HP D	165,725	37.92	50.18	7.49	16.13	4.94	19.12	6.50	437
6280	175C 5 CY ARTIC 279 HP D	225,472	48.31	63.61	9.46	20.49	6.79	23.54	8.93	565
6285	275C 7 CY ARTIC 360 HP D	329,647	66.42	85.88	13.83	29.95	8.76	34.39	11.52	864
6290	475C 12 CY ARTIC 612 HP D	618,298	124.89	164.01	25.68	55.17	14.88	63.29	19.58	1689

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
15	AGGREGATE SPREADERS	1.04	1.00	1.00	0.97	0.95	0.97	0.90						
30	AIR COMPRESSORS	1.04	1.00	1.00	0.97	0.97	0.95	0.88						
45	AIR TOOLS, SANDBLASTERS, ETC	1.04	1.00	1.00										
60	ASPHALT DISTRIBUTORS	1.03	1.00	1.00	0.97	0.96	0.97	0.90						
65	ASPHALT AND CONCRETE PAVERS	1.04	1.00	1.00	0.97	0.96	0.97	0.90						
70	ASPHALT KETTLES AND RECYCLERS	1.05	1.01	1.00	0.98	0.97	0.94							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.05	1.01	1.00	0.98	0.97	0.94	0.87						
80	BRUSH CHIPPERS	1.05	1.01	1.00	0.98	0.97	0.94	0.87						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.06	1.02	1.00	0.97	0.96	0.98	0.92						
95	BUCKETS, CONCRETE	1.06	1.02	1.00	0.97	0.96	0.98	0.92						
105	CONCRETE OR GROUT PUMP	1.05	1.01	1.00	0.98	0.97	0.94							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.05	1.01	1.00	0.98	0.97	0.94							
125	CONCRETE FINISHERS, BLASTERS & BUGGIES	1.05	1.01	1.00	0.98	0.96								
130	CONCRETE SAWS	1.05	1.01	1.00	0.98	0.97	0.94							
135	CONCRETE VIBRATORS	1.04	1.00	1.00										
140	COMPACTORS, MANUALLY OPERATED	1.04	1.00	1.00	0.97	0.97								
	CRANE, CRAWLER TYPE													
150	0 THRU 25 TON	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71				
165	OVER 25 TON THRU 50 TON	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.72	0.65	0.59		
170	OVER 50 TON THRU 150 TON	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.64	0.59	0.55	0.49
180	OVER 150 TON	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.64	0.59	0.55	0.50
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71				
190	OVER 1 CY THRU 2-1/2 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.72	0.65	0.59		
195	OVER 2-1/2 CY THRU 5 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.72	0.65	0.60	0.56	0.51
196	OVER 5 CY	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.80	0.71	0.64	0.59	0.55	0.50
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.72	0.65	0.60		
205	CRANES, TOWER	1.08	1.03	1.00	0.98	0.96	0.94	0.87	0.79	0.70	0.63	0.58	0.53	0.48
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.71	0.65	0.59		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.80	0.72	0.65	0.60	0.56	0.50
230	66 THRU 125 T	1.08	1.03	1.00	0.98	0.96	0.94	0.88	0.81	0.72	0.65	0.60	0.56	0.51
240	OVER 125 T	1.07	1.03	1.00	0.98	0.96	0.94	0.88	0.81	0.72	0.66	0.60	0.56	0.51
255	DRILL, AUGER	1.02	0.99	1.00	0.99	1.00	0.99	0.91						
270	DRILL, BLAST HOLE	1.02	0.99	1.00	0.99	1.00	0.99	0.91						
300	DRILL, CORE	1.02	0.99	1.00	0.99	1.00	0.99	0.91						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	0.99	1.00	0.99	1.00	0.99	0.91	0.77	0.67	0.61	0.55		
330	DRILL, ROTARY OVER 11" DIA.	1.02	0.99	1.00	0.99	1.00	0.99	0.91	0.78	0.68	0.62	0.56	0.54	0.51
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	0.99	1.00	0.99	1.00	0.99	0.91	0.78	0.68	0.62	0.56	0.54	0.51
375	FORK LIFTS	1.05	1.01	1.00	0.98	0.97	0.94	0.87						
390	GRADERS	1.04	1.00	1.00	0.97	0.97	0.94	0.85	0.76	0.66				
420	GENERATORS	1.04	1.00	1.00	0.96	0.94	0.91							
435	HOIST	1.05	1.01	1.00	0.98	0.97	0.94	0.87						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
438	LAWN MOWERS	1.05	1.01	1.00										
440	LIGHT PLANTS	1.05	1.01	1.00	0.98	0.96	0.94							
450	LOADER, BELT	1.05	1.01	1.00	0.98	0.97	0.94	0.87						
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.03	1.00	1.00	1.01	1.01	0.97	0.87						
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.04	1.00	1.00	0.99	0.97	0.94	0.84						
470	OVER 225 HP	1.04	1.00	1.00	0.99	0.97	0.95	0.85	0.71	0.62				

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., CRAWLER TYPE (CONT'D) **********												
	FIAT-ALLIS												
5940	FL5	1 CY	63 HP	D	46,366	13.06	16.49	2.17	4.93	1.65	5.88	2.18	165
5945	FL7	1-1/4 CY	78 HP	D	56,194	15.88	20.06	2.63	5.97	2.05	7.13	2.70	198
5950	FL9	1-5/8 CY	87 HP	D	65,338	18.34	23.15	3.06	6.95	2.28	8.29	3.01	252
5955	FL10C	2 CY	122 HP	D	87,385	24.73	31.22	4.09	9.29	3.20	11.08	4.22	300
5960	FL14C	2-5/8 CY	150 HP	D	117,014	32.63	41.17	5.47	12.44	3.94	14.84	5.18	410
5965	FL20	3-1/2 CY	223 HP	D	169,086	47.38	59.80	7.92	17.99	5.85	21.45	7.71	585
	INTERNATIONAL												
5975	100-E	1-1/8 CY	65 HP	D	51,336	14.29	18.02	2.40	5.46	1.71	6.51	2.25	161
5980	125-E	1-3/8 CY	78 HP	D	65,481	18.05	22.75	3.06	6.96	2.05	8.30	2.70	199
5985	175-C	2 CY	130 HP	D	101,996	28.42	35.86	4.78	10.85	3.41	12.94	4.49	338
5990	250-C	2-3/4 CY	190 HP	D	150,102	41.76	52.70	7.02	15.96	4.99	19.03	6.57	452
	JOHN DEERE												
6000	JD350-C	3/4 CY	42 HP	D	37,733	10.30	12.97	1.77	4.02	1.10	4.79	1.45	119
6005	JD455-E	1-1/4 CY	70 HP	D	49,308	14.01	17.67	2.31	5.25	1.84	6.25	2.42	172
6010	JD555-B	1-3/8 CY	78 HP	D	61,229	17.06	21.53	2.87	6.51	2.05	7.77	2.70	188
6015	JD655-B	2 CY	120 HP	D	89,913	25.25	31.88	4.21	9.56	3.15	11.41	4.15	324
6020	JD755-B	2-1/4 CY	140 HP	D	104,967	29.47	37.19	4.92	11.17	3.67	13.31	4.84	355
6025	JD855	2-3/4 CY	200 HP	D	156,683	43.65	55.09	7.33	16.66	5.25	19.87	6.91	460
	KOMATSU												
6035	D31S-17	1.3 CY	66 HP	D	45,991	13.08	16.53	2.15	4.89	1.73	5.84	2.28	156
6040	D41S-3	1.6 CY	90 HP	D	65,609	18.51	23.36	3.07	6.98	2.36	8.32	3.11	262
6045	D53S-16	1.8 CY	110 HP	D	84,310	23.59	29.75	3.95	8.97	2.89	10.69	3.80	300
6050	D57S-1	2.1 CY	135 HP	D	107,290	29.83	37.63	5.02	11.41	3.54	13.61	4.67	340
6055	D66S-1	2.6 CY	160 HP	D	128,994	35.78	45.13	6.04	13.72	4.20	16.36	5.53	418
6060	D75S-3	3.3 CY	200 HP	D	155,685	43.42	54.80	7.28	16.55	5.25	19.74	6.91	485

EQUIPMENT RATE CALCULATIONS

FOR USE WITH EP 1110-1-8

DATE	SHT OF		
PROJECT	EFFECTIVE PERIOD		
LOCATION	ESTIMATOR	CHECKED BY	
OPERATIONAL SHIFTS	SPECIAL INFORMATION		

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

TABLE 3-1. 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)									
5680	DOUBLE DECK SCREEN DC-90-54 9'X54	8,128	1.61	2.06	0.38	0.86	0.00	1.02	0.00	43
5685	TRIPLE DECK SCREEN TC-90-54 9'X54	12,087	2.40	3.07	0.57	1.29	0.00	1.53	0.00	54
5690	XHD CONVEYOR JACKLEG	1,230	0.24	0.31	0.06	0.13	0.00	0.15	0.00	9
5695	101XHD 42"X50' 1260 T/HR 84 HP D	54,319	14.86	19.77	2.46	5.42	2.04	6.44	2.69	180
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5705	PLATE FEEDER DOZER TRAP MODEL 45	10,936	2.17	2.78	0.52	1.17	0.00	1.38	0.00	48
5710	BELT FEEDER DOZER TRAP MODEL 5 HP D	14,317	2.99	3.84	0.67	1.52	0.12	1.81	0.16	45
5715	WING WALLS STATIONARY	1,397	0.28	0.36	0.07	0.15	0.00	0.18	0.00	9
5720	TUNNEL EXTENSION W/BACKBOARDS	7,019	1.40	1.78	0.33	0.75	0.00	0.88	0.00	61
5725	SINGLE DECK SCREEN SB-100 60"X10'	7,495	1.48	1.91	0.35	0.79	0.00	0.95	0.00	37
5730	DOUBLE DECK SCREEN DC-100 60"X10'	9,579	1.90	2.43	0.45	1.02	0.00	1.21	0.00	55
5735	XHD CONVEYOR JACKLEG	1,230	0.24	0.31	0.06	0.13	0.00	0.15	0.00	9
5740	101XHD 48"X50' 1700 T/HR 128 HP D	93,383	23.53	30.74	4.29	9.59	3.11	11.42	4.10	265
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
5750	PLATE FEEDER DOZER TRAP MODEL 45	13,429	2.65	3.41	0.63	1.42	0.00	1.70	0.00	51
5755	WING WALLS STATIONARY	1,397	0.28	0.36	0.07	0.15	0.00	0.18	0.00	9
5760	TUNNEL EXTENSION W/BACKBOARDS	7,057	1.40	1.79	0.33	0.75	0.00	0.89	0.00	66
5765	SINGLE DECK SCREEN SB-120 60"X12'	10,904	2.15	2.77	0.51	1.15	0.00	1.38	0.00	53
5770	DOUBLE DECK SCREEN DC-120 60"X12'	16,009	3.17	4.06	0.75	1.70	0.00	2.02	0.00	77
5775	TRIPLE DECK SCREEN TC-120 60"X12'	22,570	4.47	5.73	1.06	2.40	0.00	2.85	0.00	80
5780	XHD CONVEYOR JACKLEG	1,230	0.24	0.31	0.06	0.13	0.00	0.15	0.00	9
5785	303 48"X50' 2000 CY/HR 125 HP D	170,720	42.01	55.84	7.74	17.14	3.04	20.37	4.00	627
5790	303 48"X60' 2000 CY/HR 185 HP D	189,934	47.79	63.36	8.64	19.17	4.50	22.78	5.92	662
5795	303 60"X50' 3600 CY/HR 185 HP D	196,235	50.83	68.08	8.85	19.51	4.50	23.18	5.92	682
5800	303 60"X60' 3600 CY/HR 290 HP D	226,010	61.18	82.00	10.19	22.46	7.05	26.69	9.28	737
5805	404 48"X50' 2000 CY/HR 185 HP D	211,399	51.93	68.65	9.64	21.45	4.50	25.52	5.92	616
5810	404 48"X60' 2000 CY/HR 185 HP D	223,373	54.40	71.85	10.20	22.71	4.50	27.01	5.92	650

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
15	AGGREGATE SPREADERS	1.03	1.00	1.00	0.97	0.96	0.97	0.91						
30	AIR COMPRESSORS	1.03	1.00	1.00	0.97	0.98	0.96	0.90						
45	AIR TOOLS, SANDBLASTERS, ETC	1.04	1.00	1.00										
60	ASPHALT DISTRIBUTORS	1.03	1.00	1.00	0.97	0.96	0.97	0.91						
65	ASPHALT AND CONCRETE PAVERS	1.03	1.00	1.00	0.97	0.96	0.97	0.91						
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.01	1.00	0.98	0.97	0.95							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.04	1.01	1.00	0.98	0.97	0.95	0.88						
80	BRUSH CHIPPERS	1.04	1.01	1.00	0.98	0.97	0.95	0.88						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.05	1.02	1.00	0.98	0.96	0.98	0.93						
95	BUCKETS, CONCRETE	1.05	1.02	1.00	0.97	0.96	0.98	0.93						
105	CONCRETE OR GROUT PUMP	1.04	1.01	1.00	0.98	0.97	0.95							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.01	1.00	0.98	0.97	0.95							
125	CONCRETE FINISHERS, BLASTERS & BUGGIES	1.05	1.01	1.00	0.98	0.97								
130	CONCRETE SAWS	1.04	1.01	1.00	0.98	0.97	0.95							
135	CONCRETE VIBRATORS	1.04	1.00	1.00										
140	COMPACTORS, MANUALLY OPERATED	1.04	1.00	1.00	0.97	0.98								
	CRANE, CRAWLER TYPE													
150	0 THRU 25 TON	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74				
165	OVER 25 TON THRU 50 TON	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74	0.68	0.63		
170	OVER 50 TON THRU 150 TON	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.75	0.69	0.64	0.60	0.56
180	OVER 150 TON	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.83	0.75	0.69	0.64	0.61	0.56
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74				
190	OVER 1 CY THRU 2-1/2 CY	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74	0.68	0.63		
195	OVER 2-1/2 CY THRU 5 CY	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.75	0.68	0.64	0.60	0.55
196	OVER 5 CY	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.83	0.75	0.69	0.64	0.61	0.56
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74	0.68	0.63		
205	CRANES, TOWER	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.83	0.75	0.69	0.64	0.61	0.56
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.74	0.68	0.63		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.75	0.68	0.64	0.60	0.55
230	66 THRU 125 T	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.82	0.75	0.69	0.64	0.60	0.56
240	OVER 125 T	1.07	1.02	1.00	0.98	0.97	0.95	0.89	0.83	0.75	0.69	0.64	0.61	0.56
255	DRILL, AUGER	1.02	0.99	1.00	0.99	1.00	0.99	0.92						
270	DRILL, BLAST HOLE	1.02	0.99	1.00	0.99	1.00	0.99	0.92						
300	DRILL, CORE	1.02	0.99	1.00	0.99	1.00	0.99	0.92						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	0.99	1.00	0.99	1.00	0.99	0.92	0.80	0.71	0.66	0.60		
330	DRILL, ROTARY OVER 11" DIA.	1.02	0.99	1.00	0.99	1.00	0.99	0.92	0.81	0.71	0.67	0.61	0.59	0.57
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	0.99	1.00	0.99	1.00	0.99	0.92	0.81	0.71	0.67	0.61	0.59	0.57
375	FORK LIFTS	1.04	1.01	1.00	0.98	0.97	0.95	0.88						
390	GRADERS	1.03	1.00	1.00	0.97	0.97	0.95	0.87	0.80	0.71				
420	GENERATORS	1.03	1.00	1.00	0.97	0.94	0.92							
435	HOIST	1.04	1.01	1.00	0.98	0.97	0.95	0.88						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
438	LAWN MOWERS	1.05	1.01	1.00										
440	LIGHT PLANTS	1.05	1.01	1.00	0.98	0.97	0.94							
450	LOADER, BELT	1.04	1.01	1.00	0.98	0.97	0.95	0.88						
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.03	1.00	1.00	1.01	1.01	0.97	0.89						
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.03	1.00	1.00	0.99	0.97	0.95	0.86						
470	OVER 225 HP	1.03	1.00	1.00	0.99	0.97	0.95	0.86	0.74	0.65				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LAWNMOWERS (CONT'D) **********									
	TORO (CONT'D)									
5450	MOD 117 52" GROUNDMASTER 17 HP G	6,529	3.86		0.54	1.54	1.05			9
5455	MOD 217D 62" GROUNDMASTER 17 HP D	10,707	4.82		0.87	2.53	0.51			13
5460	MOD 220 62" GROUNDMASTER 20 HP G	9,180	5.12		0.74	2.16	1.23			11
5465	MOD 327 72" GROUNDMASTER 27 HP G	12,482	6.96		1.02	2.96	1.66			17
5470	MOD 322D 72" GROUNDMASTER 22 HP D	13,251	6.02		1.09	3.15	0.66			14
	LIGHTING SETS, TRAILER MOUNTED **********									
	ALLMAND METALLIC VAPOR									
5485	MAXI-LITE III 4/1000W 15 HP D	14,046	4.95		0.71	1.65	0.48			29
	AMIDA METALLIC VAPOR									
5495	MOD 5000 3.0KW 2/1000W W GENERATO 6 HP G	10,208	3.63		0.52	1.19	0.39			2
5500	MOD 5000 4.0KW 2/1000W W GENERATO 10 HP D	8,849	3.12		0.44	1.02	0.32			2
5505	MOD 5000 6.5KW 4/1000W W GENERATO 14 HP G	11,069	4.56		0.56	1.29	0.92			3
5510	MOD 5000 8.0KW 4/1000W W GENERATO 15 HP D	12,740	4.54		0.64	1.49	0.48			3
	OVER-LOWE METALLIC VAPOR									
5520	TM 352 2/1000W 3 KW 6 HP D	11,136	3.68		0.57	1.30	0.19			17
5525	TM 354 4/1000W 6 KW 12 HP D	14,717	5.03		0.75	1.73	0.38			22
5530	TM 356 6/1000W 8 KW 15 HP D	17,324	5.98		0.88	2.05	0.48			24

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 3-1. 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									
5225	MOD PC 120-3 .65 CY B/H 82 HP D	85,378	20.63	28.20	4.40	10.26	1.84	12.94	2.41	256
5230	MOD PC 150-3 .82 CY B/H 99 HP D	101,328	24.53	33.54	5.21	12.17	2.22	15.36	2.91	312
5235	MOD PC 200 LC-3 1.05 CY B/H 118 HP D	133,997	28.57	36.84	6.26	14.16	2.64	16.88	3.47	423
5240	MOD PC 220 LC-3 1.31 CY B/H 148 HP D	170,464	36.30	46.81	7.97	18.02	3.32	21.47	4.36	512
5245	MOD PC 300 LC-3 1.70 CY B/H 197 HP D	205,057	44.16	56.98	9.58	21.67	4.41	25.83	5.80	679
5250	MOD PC 650-1 3.60 CY B/H 404 HP D	493,901	97.14	120.67	21.35	47.26	9.05	54.38	11.89	1433
	UNIT									
5260	MOD H202CT SER II 1.25 CY B/H 152 HP D	151,057	32.71	42.20	7.06	15.96	3.40	19.02	4.47	475
5265	MOD H342 1.63 CY B/H 228 HP D	243,956	52.38	67.54	11.41	25.79	5.11	30.72	6.71	723
5270	MOD H471 1.75 CY B/H 304 HP D	302,416	65.49	84.49	14.13	31.96	6.81	38.08	8.95	972
	HYDRAULIC EXCAVATOR, TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRRIER) T/B = TELESCOPING BOOM B/H = BACKHOE									
	CATERPILLAR									
5285	MOD 206 .59 CY B/H 71 HP D	76,907	11.63	13.85	2.98	6.08	1.73	6.73	2.27	246
5290	MOD 212 .77 CY B/H 94 HP D	96,299	14.64	17.45	3.74	7.65	2.29	8.47	3.01	275
5295	MOD 214 .95 CY B/H 102 HP D	107,753	16.23	19.34	4.19	8.58	2.48	9.50	3.26	321
5300	MOD 224 1.18 CY B/H 124 HP D	138,492	18.93	22.11	5.04	9.77	3.02	10.59	3.97	413
	GRADALL									
5310	MOD G-3R .50 CY T/B 125 HP D	127,495	19.19	22.88	4.98	10.24	3.04	11.35	4.00	360
5315	MOD G-3W .50 CY T/B 125/205 HP D/D	138,229	22.06	26.22	5.39	11.04	4.11	12.22	5.25	380
5320	MOD G-660C .88 CY T/B 145/210 HP D/G	186,412	29.03	34.69	7.28	14.97	5.12	16.59	6.71	422
5325	MOD G-880C 1.00 CY T/B 145/210 HP D/D	226,097	33.05	39.11	8.82	18.13	4.62	20.10	5.92	535
5330	MOD G-1000 1.25 CY T/B 272/312 HP D/D	294,962	42.54	49.75	10.75	20.86	8.24	22.59	10.60	726

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

Service Life From APP. D	Equipment Useage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.91
6,000	1.00	0.98	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.87
8,000	1.00	0.98	0.96	0.94	0.93	0.92	0.90	0.89	0.88	0.87	0.86	0.86	0.85
9,000	1.00	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.84	0.83
10,000	1.00	0.97	0.96	0.93	0.92	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82
11,000	1.00	0.97	0.96	0.93	0.91	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.81
12,000	1.00	0.97	0.95	0.93	0.91	0.89	0.87	0.86	0.84	0.83	0.82	0.81	0.80
13,000	1.00	0.97	0.95	0.92	0.90	0.88	0.87	0.85	0.83	0.82	0.81	0.80	0.79
14,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.84	0.83	0.81	0.80	0.79	0.78
15,000	1.00	0.96	0.95	0.91	0.89	0.87	0.85	0.84	0.82	0.80	0.79	0.78	0.77
16,000	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
18,000	1.00	0.96	0.94	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.77	0.76	0.74
20,000	1.00	0.96	0.93	0.90	0.87	0.85	0.83	0.80	0.78	0.77	0.75	0.74	0.72
22,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.79	0.77	0.75	0.74	0.73	0.71
50,000	1.00	0.93	0.90	0.84	0.80	0.76	0.73	0.70	0.66	0.63	0.61	0.59	0.57

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	1.57	7.13	1.71	0.23	0.03	4.04	19.22								
1020	5.06	1.75	2.69	0.65	0.23	0.03	4.52	14.93								
1030	4.69	1.63	5.31	1.27	0.23	0.03	4.19	17.35								
1035	4.75	1.65	5.31	1.27	0.23	0.03	4.25	17.49								
1050	0.84	0.32	2.51	0.80	0.02	0.00	0.80	5.29								
1055	1.01	0.38	0.80	0.22	0.02	0.00	0.96	3.39								
1060	1.03	0.39	3.51	1.12	0.02	0.00	0.98	7.05								
1065	1.09	0.41	1.24	0.35	0.02	0.00	1.05	4.16								
1070	1.12	0.43	3.51	1.12	0.02	0.00	1.07	7.27								
1075	1.27	0.48	1.31	0.37	0.02	0.00	1.22	4.67								
1080	1.16	0.44	3.51	1.12	0.02	0.00	1.11	7.36								
1085	1.37	0.52	1.68	0.47	0.02	0.00	1.31	5.37								
1090	1.60	0.61	2.14	0.60	0.03	0.00	1.53	6.51								
1095	2.47	0.96	2.97	0.83	0.15	0.02	2.38	9.78								
1100	3.23	1.24	3.70	1.04	0.15	0.02	3.10	12.48								
1105	3.88	1.49	4.57	1.28	0.17	0.03	3.73	15.15								
1110	4.51	1.73	5.54	1.55	0.17	0.03	4.33	17.86								
1115	5.15	1.97	6.32	1.77	0.17	0.03	4.94	20.35								
1120	5.65	2.15	6.57	1.84	0.17	0.03	5.42	21.83								
1125	5.49	2.09	7.15	2.00	0.17	0.03	5.26	22.19								
1130	7.59	2.88	9.73	2.72	0.17	0.03	7.26	30.38								
1135	8.57	3.26	11.09	3.11	0.21	0.03	8.20	34.47								
1150	0.31	0.05	0.00	0.06	0.00	0.00	0.58	1.00								
1155	0.56	0.09	0.00	0.06	0.00	0.00	1.06	1.77								
1160	0.56	0.09	0.00	0.06	0.00	0.00	1.07	1.78								
1165	0.62	0.09	0.00	0.13	0.00	0.00	1.18	2.02								
1170	0.83	0.13	0.00	0.13	0.00	0.00	1.59	2.68								
1175	2.35	0.37	0.00	0.28	0.05	0.01	4.52	7.58								
1180	2.79	0.46	0.00	0.41	0.14	0.02	5.40	9.22								
1185	3.44	0.56	0.00	0.51	0.14	0.02	6.65	11.32								
1195	0.19	0.03	0.00	0.06	0.00	0.00	0.35	0.63								
1200	0.41	0.06	0.00	0.11	0.00	0.00	0.78	1.36								
1205	0.19	0.03	0.00	0.06	0.00	0.00	0.36	0.64								
1210	0.20	0.03	0.00	0.06	0.00	0.00	0.39	0.68								
1215	0.22	0.03	0.00	0.06	0.00	0.00	0.42	0.73								
1220	0.75	0.12	0.00	0.13	0.00	0.00	1.43	2.43								
1230	0.40	0.06	0.00	0.15	0.00	0.00	1.28	1.89								
1235	0.26	0.04	0.00	0.13	0.00	0.00	0.82	1.25								
1240	0.23	0.04	0.00	0.10	0.00	0.00	0.74	1.11								
1245	0.21	0.03	0.00	0.08	0.00	0.00	0.67	0.99								
1250	0.16	0.03	0.00	0.06	0.00	0.00	0.52	0.77								
1265	2.54	0.86	2.26	0.72	0.00	0.00	2.75	9.13								
1270	2.60	0.88	2.26	0.72	0.00	0.00	2.81	9.27								
1275	2.78	0.94	2.26	0.72	0.00	0.00	3.01	9.71								
1280	3.12	1.06	2.26	0.72	0.00	0.00	3.38	10.54								
1295	7.20	2.50	1.70	0.48	0.37	0.06	8.27	20.58								
1300	11.85	4.14	2.31	0.65	0.81	0.12	13.64	33.52								
1305	13.35	4.64	3.16	0.89	0.81	0.12	15.35	38.32								
1310	16.17	5.49	3.16	0.89	0.00	0.00	18.50	44.21								
1320	3.85	1.36	0.73	0.20	0.35	0.05	4.45	10.99								
1325	6.50	2.26	1.07	0.30	0.35	0.05	7.47	18.00								
1330	8.66	3.01	1.36	0.38	0.52	0.08	9.96	23.97								
1335	10.41	3.65	2.31	0.65	0.81	0.12	12.00	29.95								
1340	12.37	4.34	2.24	0.63	0.99	0.15	14.26	34.98								
1345	16.04	5.64	3.60	1.01	1.38	0.21	18.49	46.37								

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	11.87	4.03	2.19	0.61	0.00	0.00	13.59	32.29								
1355	14.28	4.85	3.04	0.85	0.00	0.00	16.34	39.36								
1370	0.39	0.11	0.00	1.02	0.02	0.00	0.41	1.95								
1375	0.46	0.13	0.00	1.13	0.02	0.00	0.48	2.22								
1385	0.27	0.08	0.00	0.89	0.02	0.00	0.28	1.54								
1390	0.31	0.09	0.00	1.14	0.03	0.00	0.32	1.89								
1405	0.88	0.25	0.35	1.70	0.03	0.00	0.91	4.12								
1420	0.52	0.18	0.00	0.24	0.02	0.00	0.54	1.50								
1425	0.67	0.23	1.50	0.36	0.02	0.00	0.70	3.48								
1430	0.26	0.09	0.00	0.10	0.00	0.00	0.27	0.72								
1435	0.47	0.16	0.00	0.14	0.00	0.00	0.48	1.25								
1450	0.31	0.11	0.38	0.12	0.02	0.00	0.36	1.30								
1455	0.37	0.13	0.63	0.20	0.02	0.00	0.43	1.78								
1460	0.79	0.27	2.10	0.67	0.02	0.00	0.93	4.78								
1465	1.01	0.35	1.31	0.37	0.02	0.00	1.17	4.23								
1475	0.95	0.32	5.24	1.68	0.00	0.00	1.10	9.29								
1480	1.01	0.35	5.24	1.68	0.04	0.01	1.18	9.51								
1495	0.99	0.31	0.00	0.00	0.00	0.00	0.85	2.15	1.24	0.31	0.00	0.00	0.00	0.00	1.21	2.76
1500	1.06	0.33	0.00	0.00	0.00	0.00	0.91	2.30	1.33	0.34	0.00	0.00	0.00	0.00	1.30	2.97
1505	1.52	0.47	0.00	0.00	0.00	0.00	1.30	3.29	1.90	0.48	0.00	0.00	0.00	0.00	1.86	4.24
1510	1.77	0.55	0.00	0.00	0.00	0.00	1.51	3.83	2.21	0.56	0.00	0.00	0.00	0.00	2.16	4.93
1515	2.30	0.71	0.00	0.00	0.00	0.00	1.97	4.98	2.88	0.73	0.00	0.00	0.00	0.00	2.82	6.43
1520	2.44	0.76	0.00	0.00	0.00	0.00	2.09	5.29	3.05	0.77	0.00	0.00	0.00	0.00	2.98	6.80
1525	2.64	0.82	0.00	0.00	0.00	0.00	2.26	5.72	3.30	0.84	0.00	0.00	0.00	0.00	3.23	7.37
1530	2.90	0.90	0.00	0.00	0.00	0.00	2.49	6.29	3.63	0.92	0.00	0.00	0.00	0.00	3.55	8.10
1535	3.14	0.97	0.00	0.00	0.00	0.00	2.69	6.80	3.93	1.00	0.00	0.00	0.00	0.00	3.84	8.77
1540	3.33	1.03	0.00	0.00	0.00	0.00	2.86	7.22	4.17	1.06	0.00	0.00	0.00	0.00	4.08	9.31
1545	3.67	1.14	0.00	0.00	0.00	0.00	3.15	7.96	4.59	1.17	0.00	0.00	0.00	0.00	4.50	10.26
1550	3.82	1.18	0.00	0.00	0.00	0.00	3.27	8.27	4.77	1.21	0.00	0.00	0.00	0.00	4.67	10.65
1555	4.02	1.25	0.00	0.00	0.00	0.00	3.44	8.71	5.02	1.28	0.00	0.00	0.00	0.00	4.92	11.22
1560	4.21	1.31	0.00	0.00	0.00	0.00	3.61	9.13	5.27	1.34	0.00	0.00	0.00	0.00	5.16	11.77
1565	4.37	1.36	0.00	0.00	0.00	0.00	3.75	9.48	5.47	1.39	0.00	0.00	0.00	0.00	5.35	12.21
1575	1.29	0.40	0.00	0.00	0.00	0.00	1.10	2.79	1.61	0.41	0.00	0.00	0.00	0.00	1.58	3.60
1580	1.29	0.40	0.00	0.00	0.00	0.00	1.10	2.79	1.61	0.41	0.00	0.00	0.00	0.00	1.58	3.60
1585	1.87	0.58	0.00	0.00	0.00	0.00	1.61	4.06	2.34	0.60	0.00	0.00	0.00	0.00	2.29	5.23
1590	2.02	0.63	0.00	0.00	0.00	0.00	1.73	4.38	2.53	0.64	0.00	0.00	0.00	0.00	2.47	5.64
1595	2.57	0.80	0.00	0.00	0.00	0.00	2.20	5.57	3.21	0.82	0.00	0.00	0.00	0.00	3.14	7.17
1600	2.81	0.87	0.00	0.00	0.00	0.00	2.41	6.09	3.51	0.89	0.00	0.00	0.00	0.00	3.44	7.84
1605	3.20	0.99	0.00	0.00	0.00	0.00	2.75	6.94	4.01	1.02	0.00	0.00	0.00	0.00	3.92	8.95
1610	3.45	1.07	0.00	0.00	0.00	0.00	2.95	7.47	4.31	1.09	0.00	0.00	0.00	0.00	4.22	9.62
1615	3.70	1.15	0.00	0.00	0.00	0.00	3.17	8.02	4.63	1.18	0.00	0.00	0.00	0.00	4.53	10.34
1620	4.05	1.26	0.00	0.00	0.00	0.00	3.47	8.78	5.06	1.29	0.00	0.00	0.00	0.00	4.96	11.31
1625	4.27	1.32	0.00	0.00	0.00	0.00	3.66	9.25	5.34	1.36	0.00	0.00	0.00	0.00	5.23	11.93
1630	4.48	1.39	0.00	0.00	0.00	0.00	3.84	9.71	5.60	1.42	0.00	0.00	0.00	0.00	5.49	12.51
1635	4.72	1.46	0.00	0.00	0.00	0.00	4.04	10.22	5.90	1.50	0.00	0.00	0.00	0.00	5.77	13.17
1640	4.92	1.52	0.00	0.00	0.00	0.00	4.21	10.65	6.15	1.56	0.00	0.00	0.00	0.00	6.02	13.73
1645	5.11	1.58	0.00	0.00	0.00	0.00	4.38	11.07	6.39	1.62	0.00	0.00	0.00	0.00	6.26	14.27
1655	1.45	0.45	0.00	0.00	0.00	0.00	1.24	3.14	1.82	0.46	0.00	0.00	0.00	0.00	1.78	4.06
1660	1.48	0.46	0.00	0.00	0.00	0.00	1.27	3.21	1.85	0.47	0.00	0.00	0.00	0.00	1.81	4.13
1665	2.13	0.66	0.00	0.00	0.00	0.00	1.83	4.62	2.66	0.68	0.00	0.00	0.00	0.00	2.61	5.95
1670	2.60	0.80	0.00	0.00	0.00	0.00	2.22	5.62	3.25	0.82	0.00	0.00	0.00	0.00	3.18	7.25
1675	2.99	0.93	0.00	0.00	0.00	0.00	2.56	6.48	3.74	0.95	0.00	0.00	0.00	0.00	3.66	8.35
1680	3.24	1.00	0.00	0.00	0.00	0.00	2.77	7.01	4.05	1.03	0.00	0.00	0.00	0.00	3.96	9.04
1685	3.57	1.11	0.00	0.00	0.00	0.00	3.06	7.74	4.46	1.13	0.00	0.00	0.00	0.00	4.37	9.96
1690	3.84	1.19	0.00	0.00	0.00	0.00	3.29	8.32	4.80	1.22	0.00	0.00	0.00	0.00	4.70	10.72

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	3.93	1.22	0.00	0.00	0.00	0.00	3.37	8.52	4.91	1.25	0.00	0.00	0.00	0.00	4.81	10.97
1700	4.25	1.32	0.00	0.00	0.00	0.00	3.64	9.21	5.31	1.35	0.00	0.00	0.00	0.00	5.20	11.86
1705	4.50	1.39	0.00	0.00	0.00	0.00	3.86	9.75	5.62	1.43	0.00	0.00	0.00	0.00	5.51	12.56
1710	4.73	1.47	0.00	0.00	0.00	0.00	4.05	10.25	5.91	1.50	0.00	0.00	0.00	0.00	5.79	13.20
1715	5.03	1.56	0.00	0.00	0.00	0.00	4.31	10.90	6.28	1.60	0.00	0.00	0.00	0.00	6.15	14.03
1720	5.21	1.62	0.00	0.00	0.00	0.00	4.47	11.30	6.52	1.66	0.00	0.00	0.00	0.00	6.38	14.56
1725	5.46	1.69	0.00	0.00	0.00	0.00	4.68	11.83	6.83	1.73	0.00	0.00	0.00	0.00	6.69	15.25
1740	0.25	0.09	0.00	0.00	0.00	0.00	0.23	0.57								
1745	0.26	0.09	0.00	0.00	0.00	0.00	0.24	0.59								
1750	0.27	0.09	0.00	0.00	0.00	0.00	0.25	0.61								
1755	0.29	0.10	0.00	0.00	0.00	0.00	0.26	0.65								
1760	0.32	0.11	0.00	0.00	0.00	0.00	0.30	0.73								
1765	0.41	0.14	0.00	0.00	0.00	0.00	0.38	0.93								
1770	0.48	0.17	0.00	0.00	0.00	0.00	0.44	1.09								
1775	0.56	0.19	0.00	0.00	0.00	0.00	0.51	1.26								
1785	0.13	0.04	0.00	0.00	0.00	0.00	0.11	0.28								
1790	0.16	0.05	0.00	0.00	0.00	0.00	0.14	0.35								
1795	0.20	0.07	0.00	0.00	0.00	0.00	0.19	0.46								
1800	0.29	0.10	0.00	0.00	0.00	0.00	0.26	0.65								
1805	0.36	0.12	0.00	0.00	0.00	0.00	0.33	0.81								
1815	0.52	0.18	0.00	0.00	0.00	0.00	0.48	1.18								
1820	0.54	0.18	0.00	0.00	0.00	0.00	0.49	1.21								
1825	0.56	0.19	0.00	0.00	0.00	0.00	0.51	1.26								
1830	0.74	0.25	0.00	0.00	0.00	0.00	0.67	1.66								
1835	0.77	0.26	0.00	0.00	0.00	0.00	0.70	1.73								
1840	1.11	0.38	0.00	0.00	0.00	0.00	1.01	2.50								
1845	1.32	0.45	0.00	0.00	0.00	0.00	1.21	2.98								
1855	0.59	0.20	0.00	0.00	0.00	0.00	0.54	1.33								
1860	0.66	0.22	0.00	0.00	0.00	0.00	0.60	1.48								
1865	0.76	0.26	0.00	0.00	0.00	0.00	0.69	1.71								
1870	0.85	0.29	0.00	0.00	0.00	0.00	0.77	1.91								
1875	0.99	0.34	0.00	0.00	0.00	0.00	0.91	2.24								
1890	0.30	0.09	0.00	0.00	0.00	0.00	0.25	0.64	0.37	0.09	0.00	0.00	0.00	0.00	0.36	0.82
1895	0.35	0.11	0.00	0.00	0.00	0.00	0.30	0.76	0.44	0.11	0.00	0.00	0.00	0.00	0.43	0.98
1900	0.43	0.13	0.00	0.00	0.00	0.00	0.37	0.93	0.54	0.14	0.00	0.00	0.00	0.00	0.53	1.21
1905	0.51	0.16	0.00	0.00	0.00	0.00	0.44	1.11	0.64	0.16	0.00	0.00	0.00	0.00	0.62	1.42
1910	0.60	0.19	0.00	0.00	0.00	0.00	0.51	1.30	0.75	0.19	0.00	0.00	0.00	0.00	0.73	1.67
1915	0.74	0.23	0.00	0.00	0.00	0.00	0.63	1.60	0.92	0.23	0.00	0.00	0.00	0.00	0.90	2.05
1920	0.81	0.25	0.00	0.00	0.00	0.00	0.70	1.76	1.02	0.26	0.00	0.00	0.00	0.00	1.00	2.28
1925	0.99	0.31	0.00	0.00	0.00	0.00	0.85	2.15	1.24	0.32	0.00	0.00	0.00	0.00	1.21	2.77
1930	1.05	0.33	0.00	0.00	0.00	0.00	0.90	2.28	1.32	0.33	0.00	0.00	0.00	0.00	1.29	2.94
1935	1.27	0.39	0.00	0.00	0.00	0.00	1.09	2.75	1.59	0.40	0.00	0.00	0.00	0.00	1.56	3.55
1940	1.38	0.43	0.00	0.00	0.00	0.00	1.18	2.99	1.72	0.44	0.00	0.00	0.00	0.00	1.69	3.85
1945	1.51	0.47	0.00	0.00	0.00	0.00	1.29	3.27	1.88	0.48	0.00	0.00	0.00	0.00	1.84	4.20
1950	1.67	0.52	0.00	0.00	0.00	0.00	1.43	3.62	2.09	0.53	0.00	0.00	0.00	0.00	2.04	4.66
1955	1.93	0.60	0.00	0.00	0.00	0.00	1.65	4.18	2.41	0.61	0.00	0.00	0.00	0.00	2.36	5.38
1960	2.10	0.65	0.00	0.00	0.00	0.00	1.80	4.55	2.62	0.67	0.00	0.00	0.00	0.00	2.57	5.86
1965	2.58	0.80	0.00	0.00	0.00	0.00	2.21	5.59	3.22	0.82	0.00	0.00	0.00	0.00	3.15	7.19
1970	2.96	0.92	0.00	0.00	0.00	0.00	2.54	6.42	3.70	0.94	0.00	0.00	0.00	0.00	3.63	8.27
1980	0.35	0.11	0.00	0.00	0.00	0.00	0.30	0.76	0.43	0.11	0.00	0.00	0.00	0.00	0.42	0.96
1985	0.43	0.13	0.00	0.00	0.00	0.00	0.36	0.92	0.53	0.14	0.00	0.00	0.00	0.00	0.52	1.19
1990	0.52	0.16	0.00	0.00	0.00	0.00	0.45	1.13	0.66	0.17	0.00	0.00	0.00	0.00	0.64	1.47
1995	0.63	0.19	0.00	0.00	0.00	0.00	0.54	1.36	0.78	0.20	0.00	0.00	0.00	0.00	0.77	1.75
2000	0.72	0.22	0.00	0.00	0.00	0.00	0.62	1.56	0.90	0.23	0.00	0.00	0.00	0.00	0.88	2.01
2005	0.86	0.27	0.00	0.00	0.00	0.00	0.74	1.87	1.08	0.27	0.00	0.00	0.00	0.00	1.06	2.41

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	0.95	0.30	0.00	0.00	0.00	0.00	0.82	2.07	1.19	0.30	0.00	0.00	0.00	0.00	1.17	2.66
2015	1.14	0.35	0.00	0.00	0.00	0.00	0.98	2.47	1.43	0.36	0.00	0.00	0.00	0.00	1.40	3.19
2020	1.22	0.38	0.00	0.00	0.00	0.00	1.05	2.65	1.53	0.39	0.00	0.00	0.00	0.00	1.50	3.42
2025	1.57	0.49	0.00	0.00	0.00	0.00	1.34	3.40	1.96	0.50	0.00	0.00	0.00	0.00	1.92	4.38
2030	1.62	0.50	0.00	0.00	0.00	0.00	1.39	3.51	2.02	0.51	0.00	0.00	0.00	0.00	1.98	4.51
2035	1.85	0.57	0.00	0.00	0.00	0.00	1.58	4.00	2.31	0.59	0.00	0.00	0.00	0.00	2.26	5.16
2040	2.04	0.63	0.00	0.00	0.00	0.00	1.74	4.41	2.54	0.65	0.00	0.00	0.00	0.00	2.49	5.68
2045	2.44	0.76	0.00	0.00	0.00	0.00	2.09	5.29	3.05	0.77	0.00	0.00	0.00	0.00	2.98	6.80
2050	2.59	0.80	0.00	0.00	0.00	0.00	2.22	5.61	3.24	0.82	0.00	0.00	0.00	0.00	3.18	7.24
2055	3.31	1.03	0.00	0.00	0.00	0.00	2.83	7.17	4.13	1.05	0.00	0.00	0.00	0.00	4.05	9.23
2060	3.68	1.14	0.00	0.00	0.00	0.00	3.16	7.98	4.60	1.17	0.00	0.00	0.00	0.00	4.51	10.28
2070	1.38	0.43	0.00	0.00	0.00	0.00	1.19	3.00	1.73	0.44	0.00	0.00	0.00	0.00	1.69	3.86
2075	1.44	0.45	0.00	0.00	0.00	0.00	1.23	3.12	1.80	0.46	0.00	0.00	0.00	0.00	1.76	4.02
2080	1.61	0.50	0.00	0.00	0.00	0.00	1.38	3.49	2.01	0.51	0.00	0.00	0.00	0.00	1.97	4.49
2085	2.16	0.67	0.00	0.00	0.00	0.00	1.85	4.68	2.69	0.68	0.00	0.00	0.00	0.00	2.64	6.01
2090	2.41	0.75	0.00	0.00	0.00	0.00	2.06	5.22	3.01	0.77	0.00	0.00	0.00	0.00	2.95	6.73
2095	2.49	0.77	0.00	0.00	0.00	0.00	2.13	5.39	3.11	0.79	0.00	0.00	0.00	0.00	3.05	6.95
2100	2.66	0.83	0.00	0.00	0.00	0.00	2.28	5.77	3.33	0.85	0.00	0.00	0.00	0.00	3.26	7.44
2105	3.39	1.05	0.00	0.00	0.00	0.00	2.90	7.34	4.23	1.08	0.00	0.00	0.00	0.00	4.15	9.46
2110	3.48	1.08	0.00	0.00	0.00	0.00	2.99	7.55	4.36	1.11	0.00	0.00	0.00	0.00	4.27	9.74
2115	4.43	1.37	0.00	0.00	0.00	0.00	3.80	9.60	5.54	1.41	0.00	0.00	0.00	0.00	5.42	12.37
2120	4.59	1.42	0.00	0.00	0.00	0.00	3.93	9.94	5.73	1.46	0.00	0.00	0.00	0.00	5.61	12.80
2125	5.45	1.69	0.00	0.00	0.00	0.00	4.67	11.81	6.82	1.73	0.00	0.00	0.00	0.00	6.68	15.23
2130	5.81	1.80	0.00	0.00	0.00	0.00	4.98	12.59	7.26	1.84	0.00	0.00	0.00	0.00	7.11	16.21
2145	0.84	0.26	0.00	0.00	0.00	0.00	0.72	1.82	1.05	0.27	0.00	0.00	0.00	0.00	1.03	2.35
2150	1.08	0.33	0.00	0.00	0.00	0.00	0.92	2.33	1.34	0.34	0.00	0.00	0.00	0.00	1.32	3.00
2155	1.47	0.46	0.00	0.00	0.00	0.00	1.26	3.19	1.84	0.47	0.00	0.00	0.00	0.00	1.81	4.12
2160	1.95	0.60	0.00	0.00	0.00	0.00	1.67	4.22	2.44	0.62	0.00	0.00	0.00	0.00	2.39	5.45
2165	2.92	0.90	0.00	0.00	0.00	0.00	2.50	6.32	3.64	0.93	0.00	0.00	0.00	0.00	3.57	8.14
2170	3.32	1.03	0.00	0.00	0.00	0.00	2.85	7.20	4.16	1.06	0.00	0.00	0.00	0.00	4.07	9.29
2175	4.03	1.25	0.00	0.00	0.00	0.00	3.45	8.73	5.04	1.28	0.00	0.00	0.00	0.00	4.93	11.25
2180	4.90	1.52	0.00	0.00	0.00	0.00	4.19	10.61	6.12	1.56	0.00	0.00	0.00	0.00	5.99	13.67
2185	5.94	1.84	0.00	0.00	0.00	0.00	5.09	12.87	7.43	1.89	0.00	0.00	0.00	0.00	7.27	16.59
2190	6.89	2.14	0.00	0.00	0.00	0.00	5.90	14.93	8.61	2.19	0.00	0.00	0.00	0.00	8.43	19.23
2200	0.23	0.05	0.21	0.05	0.00	0.00	0.35	0.89								
2205	0.23	0.05	0.21	0.05	0.00	0.00	0.35	0.89								
2210	0.41	0.09	0.28	0.07	0.00	0.00	0.63	1.48								
2215	0.32	0.07	0.35	0.08	0.00	0.00	0.49	1.31								
2220	0.41	0.09	0.41	0.10	0.00	0.00	0.63	1.64								
2225	0.18	0.04	0.28	0.07	0.00	0.00	0.27	0.84								
2230	0.25	0.05	0.48	0.12	0.00	0.00	0.39	1.29								
2235	0.25	0.05	0.35	0.08	0.00	0.00	0.39	1.12								
2240	0.26	0.06	0.21	0.05	0.00	0.00	0.39	0.97								
2245	0.30	0.07	0.21	0.05	0.00	0.00	0.47	1.10								
2250	0.31	0.07	0.28	0.07	0.00	0.00	0.48	1.21								
2255	0.16	0.03	0.28	0.07	0.00	0.00	0.24	0.78								
2260	0.23	0.05	0.28	0.07	0.00	0.00	0.34	0.97								
2265	0.43	0.09	0.17	0.04	0.00	0.00	0.66	1.39								
2270	0.60	0.13	0.35	0.08	0.00	0.00	0.91	2.07								
2275	0.75	0.16	0.17	0.04	0.00	0.00	1.15	2.27								
2280	1.12	0.24	0.24	0.06	0.00	0.00	1.71	3.37								
2285	1.12	0.24	0.17	0.04	0.00	0.00	1.71	3.28								
2290	1.29	0.28	0.14	0.03	0.00	0.00	1.98	3.72								
2295	1.78	0.38	0.27	0.07	0.00	0.00	2.72	5.22								
2300	2.23	0.48	0.44	0.11	0.00	0.00	3.41	6.67								

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
2305	0.46	0.10	0.62	0.15	0.00	0.00	0.71	2.04								
2310	0.49	0.11	0.24	0.06	0.00	0.00	0.75	1.65								
2315	1.65	0.36	0.37	0.09	0.00	0.00	2.53	5.00								
2320	1.51	0.33	0.27	0.07	0.00	0.00	2.31	4.49								
2325	1.70	0.37	0.27	0.07	0.00	0.00	2.60	5.01								
2340	7.66	1.66	1.08	0.30	0.00	0.00	7.91	18.61								
2355	0.24	0.05	0.27	0.09	0.00	0.00	0.25	0.90								
2365	0.60	0.13	0.43	0.14	0.00	0.00	0.62	1.92								
2380	0.20	0.04	0.38	0.12	0.00	0.00	0.20	0.94								
2385	0.77	0.17	0.86	0.28	0.00	0.00	0.80	2.88								
2390	1.00	0.22	0.86	0.28	0.00	0.00	1.03	3.39								
2400	0.07	0.02	0.05	0.02	0.02	0.00	0.08	0.26								
2405	0.14	0.03	0.20	0.10	0.02	0.00	0.15	0.64								
2410	0.08	0.02	0.05	0.02	0.02	0.00	0.08	0.27								
2415	0.28	0.06	0.29	0.15	0.02	0.00	0.29	1.09								
2420	0.28	0.07	0.38	0.12	0.02	0.00	0.30	1.17								
2425	0.21	0.05	0.38	0.12	0.02	0.00	0.22	1.00								
2440	10.92	3.70	3.45	0.97	0.00	0.00	12.49	31.53								
2445	20.72	7.03	5.06	1.42	0.00	0.00	23.72	57.95								
2450	36.70	12.46	6.08	1.70	0.00	0.00	42.00	98.94								
2455	42.26	14.34	9.73	2.72	0.00	0.00	48.36	117.41								
2465	2.18	0.75	3.26	1.04	0.04	0.01	2.50	9.78								
2470	10.13	3.44	2.43	0.68	0.00	0.00	11.59	28.27								
2485	2.61	0.67	0.43	0.12	0.07	0.01	2.86	6.77								
2490	2.99	0.77	0.72	0.20	0.07	0.01	3.27	8.03								
2495	0.85	0.22	0.00	0.19	0.04	0.01	0.93	2.24								
2500	1.69	0.43	0.00	0.31	0.04	0.01	1.84	4.32								
2510	4.75	1.21	2.22	0.62	0.02	0.00	5.18	14.00								
2525	5.85	1.49	3.94	1.10	0.02	0.00	6.37	18.77								
2530	15.34	3.92	10.23	2.86	0.27	0.04	16.73	49.39								
2540	4.82	1.23	2.40	0.67	0.02	0.00	5.25	14.39								
2545	7.47	1.92	5.45	1.53	0.15	0.02	8.15	24.69								
2550	7.68	1.97	5.45	1.53	0.15	0.02	8.38	25.18								
2555	10.25	2.61	6.34	1.78	0.07	0.01	11.17	32.23								
2560	13.18	3.35	10.75	3.01	0.07	0.01	14.36	44.73								
2565	15.62	4.04	8.53	2.39	0.66	0.10	17.06	48.40								
2570	22.60	5.82	8.53	2.39	0.68	0.10	24.68	64.80								
2575	27.72	7.14	11.64	3.26	0.93	0.14	30.27	81.10								
2590	0.16	0.05	0.55	0.18	0.00	0.00	0.19	1.13								
2595	0.21	0.06	0.83	0.27	0.00	0.00	0.24	1.61								
2600	0.20	0.06	0.97	0.31	0.00	0.00	0.24	1.78								
2605	0.46	0.13	0.97	0.31	0.00	0.00	0.53	2.40								
2610	0.58	0.16	1.24	0.40	0.00	0.00	0.67	3.05								
2615	0.66	0.18	2.07	0.66	0.00	0.00	0.76	4.33								
2620	0.96	0.27	2.42	0.77	0.00	0.00	1.12	5.54								
2625	1.29	0.36	4.50	1.44	0.00	0.00	1.50	9.09								
2635	1.06	0.30	0.69	0.22	0.00	0.00	1.23	3.50								
2640	1.18	0.33	2.42	0.77	0.00	0.00	1.37	6.07								
2645	0.12	0.03	0.55	0.18	0.00	0.00	0.14	1.02								
2650	0.19	0.05	0.76	0.24	0.00	0.00	0.21	1.45								
2655	0.20	0.06	0.35	0.11	0.00	0.00	0.23	0.95								
2660	0.58	0.16	1.24	0.40	0.00	0.00	0.68	3.06								
2665	0.77	0.21	2.42	0.77	0.00	0.00	0.89	5.06								
2670	1.29	0.36	4.50	1.44	0.00	0.00	1.50	9.09								
2690	15.74	7.12	2.19	0.44	0.00	0.00	15.73	41.22	18.17	7.19	2.77	0.55	0.00	0.00	20.42	49.10

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
2695	15.84	7.16	1.75	0.35	0.00	0.00	12.86	37.96	18.28	7.24	2.26	0.45	0.00	0.00	15.98	44.21
2705	17.26	7.80	1.75	0.35	0.00	0.00	14.01	41.17	19.92	7.88	2.26	0.45	0.00	0.00	17.41	47.92
2715	18.00	8.14	1.92	0.38	0.00	0.00	14.61	43.05	20.77	8.22	2.48	0.50	0.00	0.00	18.16	50.13
2725	21.51	9.73	3.23	0.65	0.00	0.00	21.49	56.61	24.82	9.83	4.09	0.82	0.00	0.00	27.90	67.46
2730	21.05	9.52	2.58	0.52	0.00	0.00	17.09	50.76	24.29	9.62	3.33	0.67	0.00	0.00	21.24	59.15
2740	17.40	10.37	2.58	0.57	0.00	0.00	17.41	48.33	19.57	10.43	3.33	0.73	0.00	0.00	20.89	54.95
2750	21.30	12.69	2.58	0.57	0.00	0.00	21.30	58.44	23.96	12.77	3.33	0.73	0.00	0.00	25.57	66.36
2760	29.03	17.29	4.41	0.97	0.00	0.00	29.04	80.74	32.66	17.40	5.69	1.25	0.00	0.00	34.84	91.84
2770	30.30	18.05	4.41	0.97	0.00	0.00	30.31	84.04	34.08	18.17	5.69	1.25	0.00	0.00	36.37	95.56
2775	31.17	16.72	5.51	1.21	0.00	0.00	35.03	89.64	35.07	16.84	6.98	1.54	0.00	0.00	43.79	104.22
2785	32.80	19.54	4.41	0.97	0.00	0.00	32.82	90.54	36.91	19.67	5.69	1.25	0.00	0.00	39.38	102.90
2795	31.03	20.43	4.41	1.06	0.00	0.00	35.18	92.11	34.48	20.54	5.69	1.37	0.00	0.00	41.39	103.47
2805	32.57	21.45	4.41	1.06	0.00	0.00	36.93	96.42	36.19	21.56	5.69	1.37	0.00	0.00	43.44	108.25
2825	11.48	4.55	1.29	0.41	0.00	0.00	7.89	25.62	13.57	4.61	1.67	0.53	0.00	0.00	10.17	30.55
2835	12.94	5.12	1.69	0.54	0.00	0.00	8.89	29.18	15.30	5.20	2.18	0.70	0.00	0.00	11.46	34.84
2845	12.64	5.72	1.72	0.34	0.00	0.00	10.26	30.68	14.59	5.78	2.22	0.44	0.00	0.00	12.75	35.78
2860	11.89	5.38	1.69	0.34	0.00	0.00	9.65	28.95	13.72	5.43	2.18	0.44	0.00	0.00	11.99	33.76
2870	14.83	6.70	1.69	0.34	0.00	0.00	12.04	35.60	17.11	6.77	2.18	0.44	0.00	0.00	14.95	41.45
2880	14.67	8.74	2.73	0.60	0.00	0.00	14.68	41.42	16.51	8.80	3.53	0.78	0.00	0.00	17.61	47.23
2890	17.40	10.36	3.19	0.70	0.00	0.00	17.40	49.05	19.57	10.43	4.13	0.91	0.00	0.00	20.88	55.92
2900	21.60	12.87	3.19	0.70	0.00	0.00	21.60	59.96	24.29	12.95	4.13	0.91	0.00	0.00	25.92	68.20
2910	25.20	15.01	3.76	0.83	0.00	0.00	25.21	70.01	28.35	15.11	4.86	1.07	0.00	0.00	30.25	79.64
2920	30.81	18.36	3.76	0.83	0.00	0.00	30.82	84.58	34.67	18.47	4.86	1.07	0.00	0.00	36.99	96.06
2930	37.87	24.94	6.91	1.66	0.00	0.00	42.93	114.31	42.08	25.07	8.93	2.14	0.00	0.00	50.51	128.73
2940	47.94	31.57	6.91	1.66	0.00	0.00	54.35	142.43	53.27	31.74	8.93	2.14	0.00	0.00	63.94	160.02
2950	78.96	52.00	9.22	2.21	0.00	0.00	89.52	231.91	87.74	52.27	11.90	2.86	0.00	0.00	105.32	260.09
2960	94.53	62.25	9.22	2.21	0.00	0.00	107.17	275.38	105.03	62.57	11.90	2.86	0.00	0.00	126.08	308.44
2975	22.24	11.93	5.51	1.21	0.00	0.00	25.00	65.89	25.02	12.02	6.98	1.54	0.00	0.00	31.25	76.81
2980	22.92	13.65	4.41	0.97	0.00	0.00	22.93	64.88	25.78	13.74	5.69	1.25	0.00	0.00	27.51	73.97
2990	27.07	16.13	4.61	1.01	0.00	0.00	27.08	75.90	30.46	16.23	5.95	1.31	0.00	0.00	32.50	86.45
3000	37.44	20.08	6.91	1.52	0.00	0.00	42.08	108.03	42.12	20.22	8.76	1.93	0.00	0.00	52.60	125.63
3005	33.90	22.32	5.53	1.33	0.00	0.00	38.43	101.51	37.67	22.44	7.14	1.71	0.00	0.00	45.21	114.17
3015	50.16	33.04	10.52	2.53	0.00	0.00	56.87	153.12	55.74	33.21	13.59	3.26	0.00	0.00	66.91	172.71
3020	49.65	32.70	13.15	3.16	0.00	0.00	66.22	164.88	55.17	32.86	16.66	4.00	0.00	0.00	80.94	189.63
3035	17.29	6.36	3.65	1.17	0.00	0.00	15.12	43.59	20.75	6.47	4.62	1.48	0.00	0.00	20.73	54.05
3040	12.62	5.70	2.92	0.58	0.00	0.00	10.24	32.06	14.56	5.76	3.77	0.75	0.00	0.00	12.73	37.57
3050	14.46	6.54	3.65	0.73	0.00	0.00	14.45	39.83	16.69	6.61	4.62	0.92	0.00	0.00	18.76	47.60
3055	13.18	5.96	2.92	0.58	0.00	0.00	10.70	33.34	15.21	6.02	3.77	0.75	0.00	0.00	13.30	39.05
3065	16.76	7.58	4.57	0.91	0.00	0.00	16.74	46.56	19.33	7.65	5.79	1.16	0.00	0.00	21.73	55.66
3070	16.67	7.54	3.66	0.73	0.00	0.00	13.54	42.14	19.24	7.62	4.72	0.94	0.00	0.00	16.82	49.34
3080	20.76	9.39	4.57	0.91	0.00	0.00	20.74	56.37	23.96	9.48	5.79	1.16	0.00	0.00	26.92	67.31
3085	15.91	9.48	3.66	0.80	0.00	0.00	15.91	45.76	17.89	9.54	4.72	1.04	0.00	0.00	19.09	52.28
3095	19.01	10.20	4.57	1.01	0.00	0.00	21.37	56.16	21.39	10.27	5.79	1.27	0.00	0.00	26.71	65.43
3100	18.42	10.97	3.66	0.80	0.00	0.00	18.42	52.27	20.72	11.04	4.72	1.04	0.00	0.00	22.11	59.63
3110	33.14	12.19	5.89	1.30	0.00	0.00	37.25	89.77	39.77	12.39	7.74	1.70	0.00	0.00	49.67	111.27
3115	22.84	10.33	5.05	1.01	0.00	0.00	22.82	62.05	26.36	10.43	6.40	1.28	0.00	0.00	29.63	74.10
3120	22.47	10.16	4.04	0.81	0.00	0.00	18.24	55.72	25.92	10.26	5.22	1.04	0.00	0.00	22.66	65.10
3130	20.93	11.23	5.84	1.28	0.00	0.00	23.53	62.81	23.55	11.31	7.39	1.63	0.00	0.00	29.41	73.29
3135	19.31	11.50	4.67	1.03	0.00	0.00	19.32	55.83	21.72	11.58	6.03	1.33	0.00	0.00	23.18	63.84
3145	52.68	19.37	8.02	1.76	0.00	0.00	59.20	141.03	63.21	19.69	10.54	2.32	0.00	0.00	78.94	174.70
3150	30.13	16.16	6.87	1.51	0.00	0.00	33.87	88.54	33.90	16.28	8.71	1.92	0.00	0.00	42.33	103.14
3155	29.39	17.51	5.50	1.21	0.00	0.00	29.40	83.01	33.06	17.62	7.10	1.56	0.00	0.00	35.28	94.62
3165	27.37	18.02	8.76	2.10	0.00	0.00	36.50	92.75	30.41	18.12	11.09	2.66	0.00	0.00	44.61	106.89
3170	31.83	18.96	7.00	1.54	0.00	0.00	31.84	91.17	35.80	19.08	9.05	1.99	0.00	0.00	38.20	104.12
3180	26.61	15.85	8.06	1.77	0.00	0.00	26.61	78.90	29.93	15.95	10.42	2.29	0.00	0.00	31.94	90.53

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3195	9.22	3.39	1.79	0.57	0.00	0.00	8.06	23.03	11.07	3.45	2.26	0.72	0.00	0.00	11.06	28.56
3200	8.57	3.39	1.43	0.46	0.00	0.00	5.89	19.74	10.13	3.44	1.85	0.59	0.00	0.00	7.59	23.60
3215	16.47	7.45	2.50	0.50	0.00	0.00	16.46	43.38	19.01	7.52	3.16	0.63	0.00	0.00	21.36	51.68
3220	13.79	8.21	2.00	0.44	0.00	0.00	13.79	38.23	15.51	8.27	2.58	0.57	0.00	0.00	16.55	43.48
3235	21.38	11.47	3.61	0.79	0.00	0.00	24.03	61.28	24.05	11.55	4.57	1.01	0.00	0.00	30.04	71.22
3240	22.22	13.24	2.89	0.64	0.00	0.00	22.23	61.22	25.00	13.32	3.73	0.82	0.00	0.00	26.68	69.55
3250	22.92	12.30	4.99	1.10	0.00	0.00	25.76	67.07	25.79	12.38	6.32	1.39	0.00	0.00	32.20	78.08
3255	22.66	13.50	3.99	0.88	0.00	0.00	22.66	63.69	25.49	13.58	5.16	1.13	0.00	0.00	27.20	72.56
3265	29.84	16.01	4.99	1.10	0.00	0.00	33.54	85.48	33.57	16.12	6.32	1.39	0.00	0.00	41.93	99.33
3270	27.53	18.13	3.99	0.96	0.00	0.00	31.22	81.83	30.59	18.23	5.16	1.24	0.00	0.00	36.72	91.94
3280	39.43	25.97	5.04	1.21	0.00	0.00	44.70	116.35	43.81	26.10	6.51	1.56	0.00	0.00	52.59	130.57
3295	2.66	1.30	1.56	0.47	0.20	0.03	2.33	8.55								
3300	3.41	1.67	2.36	0.71	0.26	0.04	2.99	11.44								
3310	5.77	2.89	3.16	0.95	0.94	0.14	5.08	18.93								
3315	6.15	3.07	2.80	0.84	0.94	0.14	5.41	19.35								
3320	6.88	3.46	2.80	0.84	1.23	0.18	6.06	21.45								
3325	7.29	3.66	2.80	0.84	1.23	0.18	6.42	22.42								
3330	7.54	3.78	2.80	0.84	1.27	0.19	6.64	23.06								
3335	10.11	5.05	3.79	1.14	1.12	0.17	8.90	30.28								
3340	10.44	5.24	3.79	1.14	1.86	0.28	9.19	31.94								
3345	10.72	5.38	3.89	1.17	1.86	0.28	9.44	32.74								
3350	13.83	6.98	4.82	1.44	2.71	0.41	12.19	42.38								
3355	16.43	8.34	4.82	1.44	3.56	0.53	14.50	49.62								
3360	20.36	10.26	5.06	1.52	3.83	0.58	17.94	59.55								
3365	26.45	13.41	6.81	2.04	5.64	0.85	23.33	78.53								
3370	49.37	25.02	12.45	3.74	10.47	1.57	43.54	146.16								
3380	5.98	2.98	2.77	0.83	0.88	0.13	5.26	18.83								
3385	6.83	3.39	2.94	0.88	0.88	0.13	6.00	21.05								
3390	7.14	3.55	2.94	0.88	0.94	0.14	6.27	21.86								
3395	7.38	3.70	2.94	0.88	1.22	0.18	6.50	22.80								
3400	7.89	3.94	2.94	0.88	1.22	0.18	6.94	23.99								
3405	8.15	4.07	2.94	0.88	1.22	0.18	7.17	24.61								
3410	9.80	4.92	4.38	1.31	1.73	0.26	8.63	31.03								
3420	6.99	3.48	3.11	0.93	0.95	0.14	6.15	21.75								
3425	7.07	3.51	3.11	0.93	0.95	0.14	6.21	21.92								
3430	7.49	3.71	3.11	0.93	0.95	0.14	6.58	22.91								
3435	7.55	3.75	3.11	0.93	0.95	0.14	6.64	23.07								
3440	9.32	4.63	3.77	1.13	1.22	0.18	8.20	28.45								
3445	9.61	4.77	3.77	1.13	1.22	0.18	8.44	29.12								
3450	9.94	4.93	3.77	1.13	1.22	0.18	8.74	29.91								
3455	13.07	6.62	4.91	1.47	2.71	0.41	11.53	40.72								
3460	13.47	6.85	4.91	1.47	3.03	0.45	11.89	42.07								
3465	14.00	7.10	4.91	1.47	3.03	0.45	12.35	43.31								
3470	17.95	9.10	5.72	1.71	3.83	0.58	15.83	54.72								
3480	5.18	2.54	2.87	0.86	0.45	0.07	4.54	16.51								
3485	5.33	2.63	2.87	0.86	0.55	0.08	4.68	17.00								
3490	5.52	2.72	2.87	0.86	0.55	0.08	4.84	17.44								
3495	6.31	3.15	2.87	0.86	0.95	0.14	5.55	19.83								
3500	6.98	3.47	4.28	1.28	0.95	0.14	6.13	23.23								
3505	11.36	5.79	4.28	1.28	2.71	0.41	10.03	35.86								
3510	14.19	7.15	4.57	1.37	2.71	0.41	12.50	42.90								
3515	15.83	8.08	5.16	1.55	3.83	0.58	13.98	49.01								
3530	9.70	5.30	4.45	1.16	0.67	0.10	7.29	28.67	10.91	5.34	5.86	1.52	0.82	0.12	8.88	33.45
3535	11.68	6.42	4.99	1.30	1.06	0.16	8.79	34.40	13.14	6.47	6.56	1.71	1.30	0.19	10.71	40.08
3540	13.58	7.44	5.18	1.35	1.08	0.16	10.21	39.00	15.28	7.50	6.82	1.77	1.32	0.20	12.44	45.33

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3545	16.06	8.78	6.10	1.59	1.13	0.17	12.07	45.90	18.07	8.85	8.03	2.09	1.37	0.21	14.71	53.33
3550	16.08	9.81	6.76	1.76	1.96	0.29	14.12	50.78	17.87	9.87	8.90	2.31	2.44	0.37	16.81	58.57
3555	18.54	11.26	5.97	1.55	1.85	0.28	16.27	55.72	20.61	11.32	7.65	1.99	2.28	0.34	19.37	63.56
3560	26.64	17.75	6.52	1.69	3.19	0.48	26.73	83.00	29.30	17.83	8.31	2.16	3.94	0.59	31.24	93.37
3565	31.60	20.97	6.81	1.77	3.19	0.48	31.69	96.51	34.76	21.07	8.65	2.25	3.94	0.59	37.04	108.30
3575	10.34	4.77	4.86	1.75	0.66	0.10	6.48	28.96	11.93	4.82	6.40	2.30	0.82	0.12	8.22	34.61
3580	10.71	4.94	5.47	1.97	0.66	0.10	6.71	30.56	12.36	4.99	7.20	2.59	0.82	0.12	8.52	36.60
3585	9.29	5.08	5.47	1.42	0.66	0.10	6.98	29.00	10.45	5.12	7.20	1.87	0.82	0.12	8.51	34.09
3590	9.79	5.35	5.47	1.42	0.66	0.10	7.36	30.15	11.02	5.39	7.20	1.87	0.82	0.12	8.97	35.39
3595	11.35	6.24	5.79	1.50	1.02	0.15	8.54	34.59	12.76	6.28	7.62	1.98	1.25	0.19	10.40	40.48
3600	14.27	7.81	5.79	1.50	1.05	0.16	10.73	41.31	16.05	7.87	7.62	1.98	1.27	0.19	13.07	48.05
3610	10.34	4.77	5.11	1.84	0.67	0.10	6.48	29.31	11.93	4.82	6.72	2.42	0.83	0.12	8.22	35.06
3615	9.22	5.04	5.11	1.33	0.67	0.10	6.93	28.40	10.37	5.08	6.72	1.75	0.83	0.12	8.44	33.31
3620	9.48	5.18	5.11	1.33	0.67	0.10	7.12	28.99	10.66	5.22	6.72	1.75	0.83	0.12	8.68	33.98
3625	12.14	6.69	5.47	1.42	1.23	0.19	9.13	36.27	13.65	6.74	7.20	1.87	1.54	0.23	11.13	42.36
3630	12.92	7.11	5.47	1.42	1.23	0.19	9.72	38.06	14.54	7.16	7.20	1.87	1.54	0.23	11.85	44.39
3635	13.40	7.37	5.47	1.42	1.23	0.19	10.08	39.16	15.08	7.42	7.20	1.87	1.54	0.23	12.29	45.63
3640	14.29	8.68	8.15	2.12	1.44	0.22	12.55	47.45	15.88	8.73	10.72	2.79	1.79	0.27	14.93	55.11
3650	10.94	5.04	5.67	2.04	0.59	0.09	6.85	31.22	12.62	5.09	7.46	2.68	0.72	0.11	8.70	37.38
3655	11.50	6.32	5.93	1.54	1.03	0.15	8.65	35.12	12.93	6.36	7.81	2.03	1.26	0.19	10.54	41.12
3660	12.47	6.84	5.79	1.50	1.03	0.15	9.38	37.16	14.03	6.89	7.62	1.98	1.26	0.19	11.43	43.40
3665	13.99	8.54	7.83	2.04	1.73	0.26	12.28	46.67	15.54	8.59	10.30	2.68	2.14	0.32	14.62	54.19
3680	19.05	10.49	4.04	1.05	1.85	0.28	14.33	51.09	21.43	10.56	5.13	1.33	2.28	0.34	17.47	58.54
3685	17.47	10.62	4.04	1.05	1.85	0.28	15.34	50.65	19.41	10.68	5.13	1.33	2.28	0.34	18.26	57.43
3690	21.60	13.07	6.38	1.66	1.85	0.28	18.95	63.79	24.00	13.14	8.22	2.14	2.28	0.34	22.55	72.67
3695	23.15	14.04	7.01	1.82	2.25	0.34	20.31	68.92	25.72	14.13	8.95	2.33	2.78	0.42	24.18	78.51
3700	30.38	20.04	8.34	2.17	2.25	0.34	30.43	93.95	33.42	20.13	10.71	2.78	2.78	0.42	35.57	105.81
3705	42.45	28.22	9.13	2.37	4.66	0.70	42.57	130.10	46.69	28.35	11.62	3.02	5.75	0.86	49.76	146.05
3715	12.22	6.73	3.07	0.80	1.16	0.17	9.20	33.35	13.75	6.77	3.89	1.01	1.43	0.21	11.21	38.27
3720	16.15	8.93	3.92	1.02	1.85	0.28	12.16	44.31	18.17	9.00	4.97	1.29	2.28	0.34	14.82	50.87
3725	17.91	10.89	5.67	1.47	1.85	0.28	15.72	53.79	19.90	10.95	7.22	1.88	2.28	0.34	18.72	61.29
3730	20.99	12.73	5.67	1.47	2.02	0.30	18.42	61.60	23.32	12.81	7.22	1.88	2.49	0.37	21.93	70.02
3735	23.49	15.57	5.82	1.51	2.25	0.34	23.55	72.53	25.84	15.64	7.41	1.93	2.78	0.42	27.52	81.54
3740	36.31	24.05	9.93	2.58	3.37	0.51	36.39	113.14	39.94	24.16	12.73	3.31	4.17	0.62	42.54	127.47
3750	19.53	11.90	6.52	1.69	2.25	0.34	17.15	59.38	21.70	11.97	8.36	2.17	2.78	0.42	20.42	67.82
3755	21.31	12.96	6.68	1.74	2.25	0.34	18.70	63.98	23.68	13.03	8.55	2.22	2.78	0.42	22.27	72.95
3760	21.72	14.42	6.68	1.74	2.25	0.34	21.78	68.93	23.89	14.48	8.55	2.22	2.78	0.42	25.45	77.79
3765	26.65	17.67	6.99	1.82	2.57	0.39	26.71	82.80	29.31	17.75	8.96	2.33	3.14	0.47	31.22	93.18
3775	15.56	9.42	5.15	1.34	1.34	0.20	13.65	46.66	17.29	9.47	6.52	1.70	1.65	0.25	16.25	53.13
3780	20.90	12.71	5.72	1.49	2.25	0.34	18.35	61.76	23.22	12.79	7.25	1.89	2.78	0.42	21.84	70.19
3785	25.10	16.61	6.93	1.80	2.25	0.34	25.16	78.19	27.61	16.69	8.85	2.30	2.78	0.42	29.40	88.05
3790	53.55	35.25	11.20	2.91	3.47	0.52	53.62	160.52	58.90	35.41	14.39	3.74	4.28	0.64	62.67	180.03
3810	11.37	7.55	2.73	6.52	0.00	0.00	13.01	41.18								
3820	0.49	0.32	0.00	0.00	0.00	0.00	0.56	1.37								
3825	1.82	1.21	0.00	0.00	0.00	0.00	2.09	5.12								
3835	14.31	9.50	4.78	7.55	0.00	0.00	16.38	52.52								
3845	0.49	0.32	0.00	0.00	0.00	0.00	0.56	1.37								
3850	1.82	1.21	0.00	0.00	0.00	0.00	2.09	5.12								
3860	17.48	11.60	4.78	7.55	0.00	0.00	20.02	61.43								
3870	0.61	0.40	0.00	0.00	0.00	0.00	0.70	1.71								
3875	1.86	1.23	0.00	0.00	0.00	0.00	2.13	5.22								
3885	20.22	13.42	7.51	8.91	0.00	0.00	23.15	73.21								
3895	0.65	0.43	0.00	0.00	0.00	0.00	0.74	1.82								
3900	3.59	2.38	0.00	0.00	0.00	0.00	4.11	10.08								
3910	21.29	14.13	7.51	8.91	0.00	0.00	24.38	76.22								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3920	0.61	0.40	0.00	0.00	0.00	0.00	0.70	1.71								
3925	3.79	2.51	0.00	0.00	0.00	0.00	4.34	10.64								
3940	5.32	1.80	0.00	0.80	0.00	0.00	6.00	13.92								
3945	5.63	1.90	0.00	0.80	0.00	0.00	6.34	14.67								
3950	5.85	1.98	0.00	0.80	0.00	0.00	6.59	15.22								
3955	6.63	2.24	0.00	0.85	0.00	0.00	7.47	17.19								
3960	6.94	2.34	0.00	0.85	0.00	0.00	7.82	17.95								
3965	7.16	2.42	0.00	0.85	0.00	0.00	8.07	18.50								
3970	17.53	5.92	6.71	3.38	0.00	0.00	19.77	53.31								
3975	13.02	4.40	4.20	3.39	0.00	0.00	14.67	39.68								
3985	6.31	2.13	0.00	0.80	0.00	0.00	7.12	16.36								
3990	6.89	2.33	0.00	0.85	0.00	0.00	7.76	17.83								
3995	9.50	3.21	3.01	0.72	0.00	0.00	10.71	27.15								
4005	3.62	1.22	0.00	0.50	0.00	0.00	4.08	9.42								
4010	5.52	1.86	0.00	0.81	0.00	0.00	6.22	14.41								
4015	6.49	2.19	0.00	0.81	0.00	0.00	7.32	16.81								
4020	8.02	2.71	0.00	0.91	0.00	0.00	9.05	20.69								
4025	17.29	5.84	4.96	1.19	0.00	0.00	19.49	48.77								
4040	0.16	0.05	0.06	0.23	0.00	0.00	0.18	0.68								
4045	0.20	0.07	0.11	0.30	0.00	0.00	0.23	0.91								
4050	0.32	0.11	0.17	0.38	0.00	0.00	0.36	1.34								
4055	0.74	0.25	0.62	1.29	0.00	0.00	0.83	3.73								
4065	0.27	0.09	0.17	0.28	0.00	0.00	0.30	1.11								
4070	0.29	0.10	0.00	0.41	0.00	0.00	0.32	1.12								
4085	2.83	0.96	1.32	0.32	0.00	0.00	3.19	8.62								
4090	1.96	0.66	0.60	0.14	0.00	0.00	2.21	5.57								
4095	3.38	1.14	1.44	0.35	0.00	0.00	3.81	10.12								
4110	1.43	0.48	1.11	0.18	0.00	0.00	1.61	4.81								
4115	2.21	0.75	1.47	0.35	0.00	0.00	2.49	7.27								
4130	8.83	4.34	3.94	1.50	0.00	0.00	9.95	28.56								
4135	12.16	5.98	7.52	2.86	0.00	0.00	13.71	42.23								
4140	19.18	9.43	9.78	3.71	0.00	0.00	21.62	63.72								
4145	28.81	18.59	30.67	15.34	0.00	0.00	16.24	109.65								
4150	35.52	22.91	33.52	16.76	0.00	0.00	20.02	128.73								
4160	13.10	6.44	6.32	2.40	0.00	0.00	14.77	43.03								
4165	17.00	8.48	9.14	3.47	1.39	0.21	19.22	58.91								
4170	15.84	7.87	13.08	4.97	0.99	0.15	17.90	60.80								
4180	17.39	8.66	11.25	4.28	1.25	0.19	19.66	62.68								
4185	25.27	12.61	10.08	3.83	1.99	0.30	28.58	82.66								
4190	28.64	14.26	10.53	4.00	1.99	0.30	32.37	92.09								
4195	21.04	10.34	12.33	4.69	0.00	0.00	23.73	72.13								
4200	24.42	12.00	12.33	4.69	0.00	0.00	27.53	80.97								
4205	25.33	16.34	15.76	5.04	0.00	0.00	28.56	91.03								
4210	46.69	30.12	63.87	31.94	0.00	0.00	26.32	198.94								
4230	1.29	0.45	0.82	0.37	0.06	0.01	1.17	4.17								
4235	1.29	0.45	0.82	0.37	0.06	0.01	1.17	4.17								
4240	1.34	0.47	0.82	0.37	0.08	0.01	1.22	4.31								
4245	1.87	0.65	1.46	0.66	0.09	0.01	1.70	6.44								
4250	1.91	0.67	1.46	0.66	0.09	0.01	1.73	6.53								
4255	2.10	0.73	2.14	0.96	0.09	0.01	1.91	7.94								
4260	2.60	0.91	2.41	1.09	0.14	0.02	2.36	9.53								
4265	2.73	0.95	2.41	1.09	0.12	0.02	2.47	9.79								
4270	2.90	1.00	2.41	1.09	0.09	0.01	2.62	10.12								
4275	1.25	0.43	1.86	0.45	0.03	0.00	1.13	5.15								
4280	1.63	0.58	2.41	0.58	0.12	0.02	1.48	6.82								

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
4285	1.62	0.59	2.41	0.58	0.22	0.03	1.48	6.93								
4290	2.31	0.81	3.16	0.76	0.15	0.02	2.10	9.31								
4295	2.34	0.82	3.16	0.76	0.15	0.02	2.13	9.38								
4300	2.44	0.86	3.16	0.76	0.15	0.02	2.21	9.60								
4305	3.50	1.23	1.61	0.39	0.23	0.03	3.18	10.17								
4310	3.78	1.33	1.70	0.41	0.23	0.03	3.43	10.91								
4315	4.91	1.76	3.04	0.73	0.50	0.07	4.48	15.49								
4320	5.37	1.91	3.04	0.73	0.50	0.07	4.89	16.51								
4325	5.51	1.96	3.04	0.73	0.50	0.08	5.02	16.84								
4330	6.15	2.20	3.04	0.73	0.65	0.10	5.61	18.48								
4335	2.14	0.76	1.65	0.40	0.21	0.03	1.95	7.14								
4340	2.20	0.78	1.65	0.40	0.21	0.03	2.00	7.27								
4345	2.68	0.95	1.65	0.40	0.21	0.03	2.44	8.36								
4350	2.70	0.98	1.65	0.40	0.39	0.06	2.47	8.65								
4360	1.23	0.44	3.16	0.76	0.14	0.02	1.13	6.88								
4365	1.80	0.64	4.01	0.96	0.15	0.02	1.64	9.22								
4370	3.61	1.26	5.82	1.40	0.19	0.03	3.27	15.58								
4375	4.81	1.72	6.37	1.53	0.51	0.08	4.39	19.41								
4380	5.65	2.01	6.37	1.53	0.51	0.08	5.15	21.30								
4385	5.63	2.01	6.37	1.53	0.59	0.09	5.13	21.35								
4390	6.13	2.17	6.37	1.53	0.50	0.08	5.58	22.36								
4395	12.64	4.48	9.53	2.29	1.04	0.16	11.51	41.65								
4415	1.82	0.46	3.60	0.86	0.00	0.00	1.30	8.04	2.07	0.47	4.74	1.14	0.00	0.00	1.74	10.16
4420	2.38	0.60	4.55	1.09	0.00	0.00	1.71	10.33	2.72	0.61	5.98	1.44	0.00	0.00	2.28	13.03
4425	2.57	0.65	5.35	1.28	0.00	0.00	1.84	11.69	2.93	0.66	7.04	1.69	0.00	0.00	2.46	14.78
4430	2.75	0.70	7.05	1.69	0.00	0.00	1.98	14.17	3.15	0.71	9.28	2.23	0.00	0.00	2.64	18.01
4435	3.15	0.80	9.00	2.16	0.00	0.00	2.26	17.37	3.60	0.81	11.84	2.84	0.00	0.00	3.02	22.11
4440	3.74	0.95	9.00	2.16	0.00	0.00	2.69	18.54	4.28	0.96	11.84	2.84	0.00	0.00	3.58	23.50
4445	4.17	1.06	10.94	2.63	0.00	0.00	3.00	21.80	4.77	1.07	14.40	3.46	0.00	0.00	4.00	27.70
4450	5.05	1.28	12.16	2.92	0.00	0.00	3.63	25.04	5.77	1.30	16.00	3.84	0.00	0.00	4.83	31.74
4455	6.86	1.73	15.81	3.79	0.00	0.00	4.92	33.11	7.84	1.76	20.80	4.99	0.00	0.00	6.57	41.96
4460	9.14	2.31	20.55	4.93	0.00	0.00	6.56	43.49	10.45	2.35	27.04	6.49	0.00	0.00	8.75	55.08
4465	12.43	3.14	30.40	7.30	0.00	0.00	8.93	62.20	14.21	3.20	40.00	9.60	0.00	0.00	11.90	78.91
4470	16.32	4.13	35.26	8.46	0.00	0.00	11.72	75.89	18.65	4.20	46.40	11.14	0.00	0.00	15.63	96.02
4480	0.09	0.02	0.25	0.06	0.00	0.00	0.06	0.48	0.10	0.02	0.33	0.08	0.00	0.00	0.09	0.62
4485	0.14	0.04	0.40	0.10	0.00	0.00	0.10	0.78	0.16	0.04	0.52	0.13	0.00	0.00	0.14	0.99
4490	0.18	0.05	0.60	0.14	0.00	0.00	0.13	1.10	0.21	0.05	0.78	0.19	0.00	0.00	0.18	1.41
4505	0.16	0.04	0.30	0.07	0.00	0.00	0.12	0.69	0.18	0.04	0.39	0.09	0.00	0.00	0.15	0.85
4510	0.36	0.09	0.70	0.17	0.00	0.00	0.26	1.58	0.42	0.09	0.92	0.22	0.00	0.00	0.35	2.00
4515	0.40	0.10	1.00	0.24	0.00	0.00	0.29	2.03	0.45	0.10	1.31	0.31	0.00	0.00	0.38	2.55
4520	0.42	0.11	0.15	0.04	0.00	0.00	0.30	1.02	0.48	0.11	0.19	0.05	0.00	0.00	0.40	1.23
4525	0.56	0.14	0.29	0.07	0.00	0.00	0.40	1.46	0.64	0.14	0.38	0.09	0.00	0.00	0.54	1.79
4530	0.81	0.20	0.54	0.13	0.00	0.00	0.58	2.26	0.92	0.21	0.70	0.17	0.00	0.00	0.77	2.77
4535	0.83	0.21	0.66	0.16	0.00	0.00	0.59	2.45	0.94	0.21	0.86	0.21	0.00	0.00	0.79	3.01
4540	1.22	0.31	1.53	0.37	0.00	0.00	0.88	4.31	1.40	0.31	2.02	0.48	0.00	0.00	1.17	5.38
4545	1.62	0.41	2.12	0.51	0.00	0.00	1.16	5.82	1.85	0.42	2.78	0.67	0.00	0.00	1.55	7.27
4550	1.86	0.47	2.48	0.60	0.00	0.00	1.34	6.75	2.13	0.48	3.26	0.78	0.00	0.00	1.78	8.43
4555	2.21	0.56	3.94	0.95	0.00	0.00	1.59	9.25	2.53	0.57	5.18	1.24	0.00	0.00	2.12	11.64
4560	2.32	0.59	3.94	0.95	0.00	0.00	1.67	9.47	2.65	0.60	5.18	1.24	0.00	0.00	2.22	11.89
4565	2.69	0.68	5.11	1.23	0.00	0.00	1.93	11.64	3.07	0.69	6.72	1.61	0.00	0.00	2.57	14.66
4570	3.18	0.80	6.71	1.61	0.00	0.00	2.28	14.58	3.64	0.82	8.83	2.12	0.00	0.00	3.05	18.46
4580	0.10	0.03	0.25	0.06	0.00	0.00	0.07	0.51	0.11	0.03	0.33	0.08	0.00	0.00	0.10	0.65
4585	0.11	0.03	0.35	0.08	0.00	0.00	0.08	0.65	0.13	0.03	0.46	0.11	0.00	0.00	0.10	0.83
4590	0.15	0.04	0.40	0.10	0.00	0.00	0.11	0.80	0.18	0.04	0.52	0.13	0.00	0.00	0.15	1.02
4595	0.19	0.05	0.50	0.12	0.00	0.00	0.14	1.00	0.22	0.05	0.65	0.16	0.00	0.00	0.19	1.27

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4600	0.20	0.05	0.80	0.19	0.00	0.00	0.15	1.39	0.23	0.05	1.05	0.25	0.00	0.00	0.20	1.78
4605	0.19	0.05	0.80	0.19	0.00	0.00	0.14	1.37	0.22	0.05	1.05	0.25	0.00	0.00	0.18	1.75
4620	6.36	2.90	2.80	0.95	0.45	0.07	5.24	18.77	7.63	2.94	3.68	1.25	0.61	0.09	7.33	23.53
4625	7.27	3.30	3.02	1.03	0.45	0.07	5.98	21.12	8.72	3.35	3.97	1.35	0.61	0.09	8.37	26.46
4630	7.95	3.61	3.02	1.03	0.50	0.07	6.54	22.72	9.54	3.66	3.97	1.35	0.67	0.10	9.15	28.44
4635	7.98	3.64	3.36	1.14	0.58	0.09	6.57	23.36	9.57	3.69	4.42	1.50	0.78	0.12	9.19	29.27
4640	11.08	5.13	4.03	1.37	1.26	0.19	9.16	32.22	13.29	5.20	5.30	1.80	1.71	0.26	12.82	40.38
4645	16.12	7.49	5.60	1.90	1.97	0.30	13.33	46.71	19.34	7.59	7.36	2.50	2.67	0.40	18.67	58.53
4655	6.20	2.85	3.02	1.03	0.55	0.08	5.11	18.84	7.44	2.88	3.97	1.35	0.74	0.11	7.16	23.65
4660	7.41	3.40	3.40	1.16	0.63	0.09	6.11	22.20	8.90	3.44	4.47	1.52	0.85	0.13	8.56	27.87
4665	7.64	3.50	4.03	1.37	0.63	0.09	6.30	23.56	9.17	3.55	5.30	1.80	0.85	0.13	8.82	29.62
4670	8.42	3.84	4.70	1.60	0.63	0.09	6.93	26.21	10.10	3.90	6.18	2.10	0.85	0.13	9.70	32.96
4675	5.82	2.68	3.02	1.03	0.55	0.08	4.80	17.98	6.98	2.71	3.97	1.35	0.74	0.11	6.72	22.58
4680	6.43	2.96	3.40	1.16	0.63	0.09	5.30	19.97	7.71	3.00	4.47	1.52	0.85	0.13	7.42	25.10
4685	6.96	3.20	4.03	1.37	0.63	0.09	5.74	22.02	8.35	3.24	5.30	1.80	0.85	0.13	8.04	27.71
4690	7.92	3.62	4.70	1.60	0.63	0.09	6.53	25.09	9.50	3.67	6.18	2.10	0.85	0.13	9.14	31.57
4695	8.85	4.14	4.70	1.60	1.26	0.19	7.34	28.08	10.62	4.20	6.18	2.10	1.71	0.26	10.27	35.34
4705	3.50	1.59	1.52	0.52	0.25	0.04	2.88	10.30	4.20	1.62	2.00	0.68	0.34	0.05	4.03	12.92
4710	5.40	2.48	2.91	0.99	0.50	0.07	4.45	16.80	6.48	2.51	3.83	1.30	0.67	0.10	6.23	21.12
4715	5.79	2.67	3.25	1.10	0.58	0.09	4.78	18.26	6.95	2.70	4.27	1.45	0.78	0.12	6.69	22.96
4720	6.11	2.85	3.58	1.22	0.84	0.13	5.06	19.79	7.34	2.89	4.71	1.60	1.14	0.17	7.09	24.94
4730	6.20	2.83	2.80	0.95	0.45	0.07	5.11	18.41	7.44	2.87	3.68	1.25	0.61	0.09	7.15	23.09
4735	6.74	3.07	3.25	1.10	0.45	0.07	5.54	20.22	8.09	3.11	4.27	1.45	0.61	0.09	7.76	25.38
4740	7.11	3.24	3.25	1.10	0.50	0.07	5.85	21.12	8.53	3.28	4.27	1.45	0.67	0.10	8.19	26.49
4745	7.95	3.63	3.92	1.33	0.58	0.09	6.54	24.04	9.54	3.67	5.15	1.75	0.78	0.12	9.16	30.17
4750	8.25	3.76	4.41	1.50	0.58	0.09	6.79	25.38	9.90	3.81	5.80	1.97	0.78	0.12	9.51	31.89
4755	9.24	4.21	4.41	1.50	0.63	0.09	7.61	27.69	11.09	4.27	5.80	1.97	0.85	0.13	10.65	34.76
4765	5.08	2.33	1.90	0.65	0.45	0.07	4.19	14.67	6.09	2.36	2.50	0.85	0.61	0.09	5.86	18.36
4770	6.29	2.87	2.80	0.95	0.45	0.07	5.18	18.61	7.55	2.91	3.68	1.25	0.61	0.09	7.25	23.34
4775	7.42	3.39	2.80	0.95	0.55	0.08	6.11	21.30	8.91	3.43	3.68	1.25	0.74	0.11	8.56	26.68
4780	7.18	3.28	3.36	1.14	0.55	0.08	5.91	21.50	8.62	3.33	4.42	1.50	0.74	0.11	8.28	27.00
4785	8.37	3.81	3.36	1.14	0.55	0.08	6.89	24.20	10.05	3.86	4.42	1.50	0.74	0.11	9.64	30.32
4795	5.92	2.72	2.91	0.99	0.55	0.08	4.88	18.05	7.10	2.76	3.83	1.30	0.74	0.11	6.84	22.68
4800	7.06	3.24	3.25	1.10	0.63	0.09	5.82	21.19	8.47	3.28	4.27	1.45	0.85	0.13	8.15	26.60
4805	9.65	4.50	4.48	1.52	1.26	0.19	7.99	29.59	11.58	4.56	5.89	2.00	1.71	0.26	11.18	37.18
4810	15.46	7.19	6.27	2.13	1.97	0.30	12.80	46.12	18.55	7.29	8.24	2.80	2.67	0.40	17.91	57.86
4820	5.88	2.71	2.51	0.85	0.62	0.09	4.85	17.51	7.05	2.75	3.30	1.12	0.84	0.13	6.80	21.99
4825	6.80	3.13	3.40	1.16	0.68	0.10	5.61	20.88	8.16	3.18	4.47	1.52	0.92	0.14	7.86	26.25
4830	7.52	3.45	3.81	1.29	0.68	0.10	6.20	23.05	9.03	3.50	5.00	1.70	0.92	0.14	8.69	28.98
4845	0.48	0.16	0.00	0.10	0.00	0.00	0.49	1.23								
4850	0.76	0.26	0.00	0.19	0.00	0.00	0.79	2.00								
4855	0.92	0.31	0.00	0.30	0.00	0.00	0.95	2.48								
4860	2.39	0.81	0.00	0.41	0.00	0.00	2.46	6.07								
4870	5.75	1.96	2.43	0.58	0.00	0.00	5.94	16.66								
4875	7.78	2.65	2.43	0.58	0.00	0.00	8.02	21.46								
4880	11.95	4.07	3.16	0.76	0.00	0.00	12.33	32.27								
4885	13.29	4.53	3.65	0.88	0.00	0.00	13.72	36.07								
4900	11.55	3.60	3.25	1.23	0.00	0.00	11.57	31.20	15.40	3.72	4.27	1.62	0.00	0.00	17.63	42.64
4905	11.83	4.08	3.72	0.74	0.00	0.00	12.63	33.00	14.79	4.17	4.89	0.98	0.00	0.00	17.76	42.59
4910	14.15	4.88	4.68	0.94	0.00	0.00	15.10	39.75	17.69	4.98	6.15	1.23	0.00	0.00	21.23	51.28
4915	21.77	7.50	5.87	1.17	0.00	0.00	23.23	59.54	27.21	7.67	7.71	1.54	0.00	0.00	32.67	76.80
4920	30.50	11.22	7.30	1.61	0.00	0.00	34.28	84.91	36.60	11.40	9.60	2.11	0.00	0.00	45.71	105.42
4930	18.59	6.41	5.26	1.05	0.00	0.00	19.84	51.15	23.24	6.55	6.92	1.38	0.00	0.00	27.90	65.99
4935	22.45	7.73	6.90	1.38	0.00	0.00	23.95	62.41	28.06	7.91	9.07	1.81	0.00	0.00	33.68	80.53
4940	41.70	15.34	13.80	3.04	0.00	0.00	46.87	120.75	50.04	15.59	18.14	3.99	0.00	0.00	62.49	150.25

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4955	6.84	2.13	2.55	0.97	0.00	0.00	6.85	19.34	9.12	2.20	3.36	1.28	0.00	0.00	10.44	26.40
4960	8.92	2.78	3.43	1.30	0.00	0.00	8.94	25.37	11.90	2.87	4.50	1.71	0.00	0.00	13.62	34.60
4965	9.65	3.32	4.44	0.89	0.00	0.00	10.29	28.59	12.06	3.40	5.83	1.17	0.00	0.00	14.47	36.93
4975	6.09	1.90	1.59	0.60	0.00	0.00	6.10	16.28	8.12	1.96	2.09	0.79	0.00	0.00	9.30	22.26
4980	7.65	2.39	2.11	0.80	0.00	0.00	7.66	20.61	10.20	2.46	2.77	1.05	0.00	0.00	11.67	28.15
4985	8.76	2.73	2.28	0.87	0.00	0.00	8.78	23.42	11.69	2.82	3.00	1.14	0.00	0.00	13.38	32.03
4990	10.93	3.41	2.35	0.89	0.00	0.00	10.95	28.53	14.57	3.52	3.09	1.17	0.00	0.00	16.69	39.04
4995	12.67	4.37	3.02	0.60	0.00	0.00	13.52	34.18	15.84	4.46	3.97	0.79	0.00	0.00	19.02	44.08
5000	22.97	7.91	4.37	0.87	0.00	0.00	24.51	60.63	28.72	8.09	5.74	1.15	0.00	0.00	34.47	78.17
5005	35.72	12.31	7.28	1.46	0.00	0.00	38.11	94.88	44.65	12.58	9.57	1.91	0.00	0.00	53.59	122.30
5015	9.62	3.00	1.93	0.73	0.00	0.00	9.64	24.92	12.83	3.10	2.53	0.96	0.00	0.00	14.69	34.11
5020	10.91	3.40	2.35	0.89	0.00	0.00	10.93	28.48	14.55	3.51	3.09	1.17	0.00	0.00	16.65	38.97
5025	12.67	4.36	3.40	0.68	0.00	0.00	13.51	34.62	15.83	4.46	4.47	0.89	0.00	0.00	19.01	44.66
5030	19.65	6.77	5.44	1.09	0.00	0.00	20.97	53.92	24.56	6.92	7.15	1.43	0.00	0.00	29.48	69.54
5040	15.19	4.74	3.25	1.23	0.00	0.00	15.22	39.63	20.26	4.89	4.27	1.62	0.00	0.00	23.19	54.23
5045	18.14	5.66	3.25	1.23	0.00	0.00	18.17	46.45	24.18	5.84	4.27	1.62	0.00	0.00	27.69	63.60
5050	20.95	7.22	6.09	1.22	0.00	0.00	22.35	57.83	26.18	7.38	8.01	1.60	0.00	0.00	31.43	74.60
5060	8.88	3.06	2.58	0.52	0.00	0.00	9.47	24.51	11.10	3.13	3.39	0.68	0.00	0.00	13.32	31.62
5065	13.87	4.78	3.52	0.70	0.00	0.00	14.80	37.67	17.34	4.89	4.62	0.92	0.00	0.00	20.82	48.59
5070	21.22	7.31	6.05	1.21	0.00	0.00	22.64	58.43	26.52	7.47	7.95	1.59	0.00	0.00	31.84	75.37
5075	27.35	10.06	10.66	2.35	0.00	0.00	30.74	81.16	32.82	10.23	14.01	3.08	0.00	0.00	40.98	101.12
5080	31.61	13.40	12.10	2.90	0.00	0.00	43.42	103.43	36.88	13.56	15.90	3.82	0.00	0.00	55.27	125.43
5085	55.83	23.67	17.92	4.30	0.00	0.00	76.70	178.42	65.14	23.96	23.55	5.65	0.00	0.00	97.62	215.92
5095	9.50	2.96	3.02	1.15	0.00	0.00	9.51	26.14	12.66	3.06	3.97	1.51	0.00	0.00	14.50	35.70
5100	11.47	3.58	3.58	1.36	0.00	0.00	11.50	31.49	15.30	3.70	4.71	1.79	0.00	0.00	17.52	43.02
5105	11.64	4.01	4.03	0.81	0.00	0.00	12.42	32.91	14.55	4.10	5.30	1.06	0.00	0.00	17.46	42.47
5110	17.89	6.16	5.71	1.14	0.00	0.00	19.09	49.99	22.36	6.30	7.51	1.50	0.00	0.00	26.85	64.52
5115	20.92	7.21	6.50	1.30	0.00	0.00	22.33	58.26	26.15	7.37	8.54	1.71	0.00	0.00	31.40	75.17
5120	26.18	9.63	8.96	1.97	0.00	0.00	29.42	76.16	31.41	9.79	11.78	2.59	0.00	0.00	39.23	94.80
5130	6.79	2.12	1.68	0.64	0.00	0.00	6.80	18.03	9.05	2.19	2.21	0.84	0.00	0.00	10.37	24.66
5135	9.70	3.03	2.80	1.06	0.00	0.00	9.72	26.31	12.93	3.12	3.68	1.40	0.00	0.00	14.81	35.94
5140	12.54	3.91	3.47	1.32	0.00	0.00	12.56	33.80	16.72	4.04	4.56	1.73	0.00	0.00	19.14	46.19
5145	13.12	4.52	4.03	0.81	0.00	0.00	14.00	36.48	16.41	4.62	5.30	1.06	0.00	0.00	19.69	47.08
5150	19.97	6.88	5.82	1.16	0.00	0.00	21.31	55.14	24.96	7.03	7.65	1.53	0.00	0.00	29.97	71.14
5160	3.79	1.18	1.03	0.39	0.00	0.00	3.80	10.19	5.06	1.22	1.35	0.51	0.00	0.00	5.79	13.93
5165	4.81	1.50	1.43	0.54	0.00	0.00	4.82	13.10	6.41	1.55	1.88	0.72	0.00	0.00	7.34	17.90
5170	6.51	2.03	1.66	0.63	0.00	0.00	6.53	17.36	8.68	2.10	2.18	0.83	0.00	0.00	9.94	23.73
5175	8.18	2.55	2.08	0.79	0.00	0.00	8.19	21.79	10.90	2.63	2.74	1.04	0.00	0.00	12.48	29.79
5180	9.32	3.21	2.73	0.55	0.00	0.00	9.95	25.76	11.65	3.28	3.59	0.72	0.00	0.00	13.99	33.23
5185	12.20	4.20	3.63	0.73	0.00	0.00	13.01	33.77	15.25	4.29	4.77	0.95	0.00	0.00	18.30	43.56
5190	21.27	7.33	5.76	1.15	0.00	0.00	22.70	58.21	26.59	7.49	7.57	1.51	0.00	0.00	31.92	75.08
5195	31.42	11.55	7.44	1.64	0.00	0.00	35.31	87.36	37.70	11.75	9.77	2.15	0.00	0.00	47.08	108.45
5200	39.04	14.36	9.41	2.07	0.00	0.00	43.88	108.76	46.85	14.60	12.36	2.72	0.00	0.00	58.50	135.03
5205	43.48	15.99	10.39	2.29	0.00	0.00	48.87	121.02	52.17	16.26	13.66	3.01	0.00	0.00	65.16	150.26
5210	54.25	23.00	14.87	3.57	0.00	0.00	74.53	170.22	63.30	23.28	19.55	4.69	0.00	0.00	94.85	205.67
5215	63.36	26.86	18.64	4.47	0.00	0.00	87.03	200.36	73.92	27.19	24.49	5.88	0.00	0.00	110.77	242.25
5225	7.82	2.44	1.84	0.70	0.00	0.00	7.83	20.63	10.42	2.52	2.41	0.92	0.00	0.00	11.93	28.20
5230	9.28	2.89	2.22	0.84	0.00	0.00	9.30	24.53	12.37	2.99	2.91	1.11	0.00	0.00	14.16	33.54
5235	10.53	3.63	2.64	0.53	0.00	0.00	11.24	28.57	13.17	3.71	3.47	0.69	0.00	0.00	15.80	36.84
5240	13.40	4.62	3.32	0.66	0.00	0.00	14.30	36.30	16.75	4.72	4.36	0.87	0.00	0.00	20.11	46.81
5245	16.12	5.55	4.41	0.88	0.00	0.00	17.20	44.16	20.15	5.68	5.80	1.16	0.00	0.00	24.19	56.98
5250	34.55	12.71	9.05	1.99	0.00	0.00	38.84	97.14	41.46	12.92	11.89	2.62	0.00	0.00	51.78	120.67
5260	11.87	4.09	3.40	0.68	0.00	0.00	12.67	32.71	14.84	4.18	4.47	0.89	0.00	0.00	17.82	42.20
5265	19.18	6.61	5.11	1.02	0.00	0.00	20.46	52.38	23.97	6.75	6.71	1.34	0.00	0.00	28.77	67.54
5270	23.77	8.19	6.81	1.36	0.00	0.00	25.36	65.49	29.71	8.37	8.95	1.79	0.00	0.00	35.67	84.49

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5285	4.13	1.95	1.73	0.62	0.53	0.08	2.59	11.63	4.76	1.97	2.27	0.82	0.64	0.10	3.29	13.85
5290	5.21	2.44	2.29	0.82	0.53	0.08	3.27	14.64	6.01	2.46	3.01	1.08	0.64	0.10	4.15	17.45
5295	5.85	2.73	2.48	0.89	0.53	0.08	3.67	16.23	6.75	2.75	3.26	1.18	0.64	0.10	4.66	19.34
5300	6.31	3.46	3.02	0.78	0.53	0.08	4.75	18.93	7.10	3.49	3.97	1.03	0.64	0.10	5.78	22.11
5310	7.01	3.23	3.04	1.09	0.37	0.06	4.39	19.19	8.09	3.26	4.00	1.44	0.45	0.07	5.57	22.88
5315	7.54	3.50	4.11	1.48	0.61	0.09	4.73	22.06	8.69	3.53	5.25	1.89	0.75	0.11	6.00	26.22
5320	10.25	4.72	5.12	1.88	0.56	0.08	6.42	29.03	11.82	4.77	6.71	2.46	0.69	0.10	8.14	34.69
5325	12.41	5.72	4.62	1.66	0.76	0.11	7.77	33.05	14.32	5.78	5.92	2.13	0.95	0.14	9.87	39.11
5330	13.48	7.38	8.24	2.14	1.02	0.15	10.13	42.54	15.16	7.43	10.60	2.76	1.26	0.19	12.35	49.75
5345	1.33	0.45	0.00	0.40	0.00	0.00	1.35	3.53	1.67	0.46	0.00	0.40	0.00	0.00	1.90	4.43
5350	1.60	0.54	0.00	0.30	0.00	0.00	1.63	4.07	2.00	0.56	0.00	0.30	0.00	0.00	2.29	5.15
5355	1.80	0.61	0.00	0.30	0.00	0.00	1.83	4.54	2.25	0.62	0.00	0.30	0.00	0.00	2.57	5.74
5360	0.86	0.29	0.00	0.25	0.00	0.00	0.88	2.28	1.08	0.30	0.00	0.25	0.00	0.00	1.24	2.87
5365	1.48	0.50	0.00	0.30	0.00	0.00	1.50	3.78	1.85	0.51	0.00	0.30	0.00	0.00	2.12	4.78
5370	2.34	0.79	0.00	0.40	0.00	0.00	2.38	5.91	2.92	0.81	0.00	0.40	0.00	0.00	3.34	7.47
5375	1.85	0.63	0.00	0.50	0.00	0.00	1.88	4.86	2.31	0.64	0.00	0.50	0.00	0.00	2.65	6.10
5380	1.45	0.49	0.00	0.30	0.00	0.00	1.47	3.71	1.81	0.50	0.00	0.30	0.00	0.00	2.07	4.68
5395	1.76	0.26	1.42	0.34	0.04	0.01	1.28	5.11								
5400	2.05	0.30	1.54	0.37	0.04	0.01	1.49	5.80								
5405	2.30	0.33	0.96	0.23	0.04	0.01	1.67	5.54								
5410	2.08	0.30	0.66	0.16	0.04	0.01	1.51	4.76								
5415	2.24	0.32	0.84	0.20	0.04	0.01	1.63	5.28								
5420	2.03	0.29	2.71	0.65	0.04	0.01	1.48	7.21								
5430	0.14	0.02	0.25	0.06	0.00	0.00	0.10	0.57								
5435	0.22	0.04	0.43	0.10	0.04	0.01	0.16	1.00								
5440	0.30	0.05	0.68	0.16	0.04	0.01	0.22	1.46								
5445	0.48	0.07	0.68	0.16	0.04	0.01	0.35	1.79								
5450	1.34	0.20	1.05	0.25	0.03	0.01	0.98	3.86								
5455	2.21	0.32	0.51	0.12	0.04	0.01	1.61	4.82								
5460	1.89	0.27	1.23	0.30	0.04	0.01	1.38	5.12								
5465	2.59	0.37	1.66	0.40	0.04	0.01	1.89	6.96								
5470	2.75	0.40	0.66	0.16	0.04	0.01	2.00	6.02								
5485	1.25	0.40	0.48	0.12	0.07	0.01	2.62	4.95								
5495	0.90	0.29	0.39	0.09	0.07	0.01	1.88	3.63								
5500	0.77	0.25	0.32	0.08	0.07	0.01	1.62	3.12								
5505	0.98	0.31	0.92	0.22	0.07	0.01	2.05	4.56								
5510	1.13	0.36	0.48	0.12	0.07	0.01	2.37	4.54								
5520	0.98	0.32	0.19	0.05	0.07	0.01	2.06	3.68								
5525	1.31	0.42	0.38	0.09	0.07	0.01	2.75	5.03								
5530	1.56	0.49	0.48	0.12	0.07	0.01	3.25	5.98								
5545	2.47	0.90	0.68	0.19	0.84	0.13	2.90	8.11	3.08	0.92	0.90	0.25	1.31	0.20	4.03	10.69
5555	0.57	0.19	0.00	0.00	0.00	0.00	0.66	1.42	0.71	0.20	0.00	0.00	0.00	0.00	0.92	1.83
5560	0.76	0.26	0.07	0.02	0.00	0.00	0.89	2.00	0.96	0.27	0.10	0.03	0.00	0.00	1.23	2.59
5565	0.11	0.04	0.00	0.00	0.00	0.00	0.13	0.28	0.14	0.04	0.00	0.00	0.00	0.00	0.18	0.36
5570	0.56	0.19	0.00	0.00	0.00	0.00	0.65	1.40	0.69	0.19	0.00	0.00	0.00	0.00	0.90	1.78
5575	0.33	0.11	0.00	0.00	0.00	0.00	0.38	0.82	0.41	0.11	0.00	0.00	0.00	0.00	0.53	1.05
5580	0.49	0.17	0.00	0.00	0.00	0.00	0.56	1.22	0.61	0.17	0.00	0.00	0.00	0.00	0.78	1.56
5585	0.70	0.24	0.00	0.00	0.00	0.00	0.82	1.76	0.88	0.25	0.00	0.00	0.00	0.00	1.14	2.27
5590	0.10	0.03	0.00	0.00	0.00	0.00	0.11	0.24	0.12	0.03	0.00	0.00	0.00	0.00	0.16	0.31
5595	2.72	1.00	1.02	0.29	1.02	0.15	3.21	9.41	3.41	1.02	1.34	0.38	1.61	0.24	4.46	12.46
5605	0.67	0.23	0.00	0.00	0.00	0.00	0.77	1.67	0.83	0.23	0.00	0.00	0.00	0.00	1.07	2.13
5610	0.82	0.28	0.07	0.02	0.00	0.00	0.95	2.14	1.02	0.28	0.10	0.03	0.00	0.00	1.32	2.75
5615	0.11	0.04	0.00	0.00	0.00	0.00	0.13	0.28	0.14	0.04	0.00	0.00	0.00	0.00	0.18	0.36
5620	0.56	0.19	0.00	0.00	0.00	0.00	0.65	1.40	0.69	0.19	0.00	0.00	0.00	0.00	0.90	1.78
5625	0.41	0.14	0.00	0.00	0.00	0.00	0.48	1.03	0.51	0.14	0.00	0.00	0.00	0.00	0.66	1.31

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
5630	0.57	0.20	0.00	0.00	0.00	0.00	0.67	1.44	0.72	0.20	0.00	0.00	0.00	0.00	0.93	1.85
5635	0.79	0.27	0.00	0.00	0.00	0.00	0.92	1.98	0.99	0.28	0.00	0.00	0.00	0.00	1.27	2.54
5640	0.10	0.03	0.00	0.00	0.00	0.00	0.11	0.24	0.12	0.03	0.00	0.00	0.00	0.00	0.16	0.31
5645	3.05	1.13	1.36	0.38	1.36	0.20	3.61	11.09	3.82	1.16	1.79	0.50	2.13	0.32	5.01	14.73
5655	0.70	0.24	0.00	0.00	0.00	0.00	0.82	1.76	0.88	0.25	0.00	0.00	0.00	0.00	1.14	2.27
5660	0.88	0.30	0.12	0.03	0.00	0.00	1.02	2.35	1.10	0.31	0.16	0.04	0.00	0.00	1.42	3.03
5665	0.11	0.04	0.00	0.00	0.00	0.00	0.13	0.28	0.14	0.04	0.00	0.00	0.00	0.00	0.18	0.36
5670	0.56	0.19	0.00	0.00	0.00	0.00	0.65	1.40	0.69	0.19	0.00	0.00	0.00	0.00	0.90	1.78
5675	0.46	0.16	0.00	0.00	0.00	0.00	0.53	1.15	0.57	0.16	0.00	0.00	0.00	0.00	0.74	1.47
5680	0.64	0.22	0.00	0.00	0.00	0.00	0.75	1.61	0.80	0.22	0.00	0.00	0.00	0.00	1.04	2.06
5685	0.96	0.33	0.00	0.00	0.00	0.00	1.11	2.40	1.20	0.33	0.00	0.00	0.00	0.00	1.54	3.07
5690	0.10	0.03	0.00	0.00	0.00	0.00	0.11	0.24	0.12	0.03	0.00	0.00	0.00	0.00	0.16	0.31
5695	3.95	1.47	2.04	0.57	1.88	0.28	4.67	14.86	4.94	1.50	2.69	0.75	2.96	0.44	6.49	19.77
5705	0.87	0.30	0.00	0.00	0.00	0.00	1.00	2.17	1.08	0.30	0.00	0.00	0.00	0.00	1.40	2.78
5710	1.13	0.39	0.12	0.03	0.00	0.00	1.32	2.99	1.42	0.39	0.16	0.04	0.00	0.00	1.83	3.84
5715	0.11	0.04	0.00	0.00	0.00	0.00	0.13	0.28	0.14	0.04	0.00	0.00	0.00	0.00	0.18	0.36
5720	0.56	0.19	0.00	0.00	0.00	0.00	0.65	1.40	0.69	0.19	0.00	0.00	0.00	0.00	0.90	1.78
5725	0.59	0.20	0.00	0.00	0.00	0.00	0.69	1.48	0.74	0.21	0.00	0.00	0.00	0.00	0.96	1.91
5730	0.76	0.26	0.00	0.00	0.00	0.00	0.88	1.90	0.95	0.26	0.00	0.00	0.00	0.00	1.22	2.43
5735	0.10	0.03	0.00	0.00	0.00	0.00	0.11	0.24	0.12	0.03	0.00	0.00	0.00	0.00	0.16	0.31
5740	7.07	2.52	3.11	0.87	1.45	0.22	8.29	23.53	8.84	2.58	4.10	1.15	2.23	0.33	11.51	30.74
5750	1.06	0.36	0.00	0.00	0.00	0.00	1.23	2.65	1.33	0.37	0.00	0.00	0.00	0.00	1.71	3.41
5755	0.11	0.04	0.00	0.00	0.00	0.00	0.13	0.28	0.14	0.04	0.00	0.00	0.00	0.00	0.18	0.36
5760	0.56	0.19	0.00	0.00	0.00	0.00	0.65	1.40	0.70	0.19	0.00	0.00	0.00	0.00	0.90	1.79
5765	0.86	0.29	0.00	0.00	0.00	0.00	1.00	2.15	1.08	0.30	0.00	0.00	0.00	0.00	1.39	2.77
5770	1.27	0.43	0.00	0.00	0.00	0.00	1.47	3.17	1.58	0.44	0.00	0.00	0.00	0.00	2.04	4.06
5775	1.79	0.61	0.00	0.00	0.00	0.00	2.07	4.47	2.23	0.62	0.00	0.00	0.00	0.00	2.88	5.73
5780	0.10	0.03	0.00	0.00	0.00	0.00	0.11	0.24	0.12	0.03	0.00	0.00	0.00	0.00	0.16	0.31
5785	12.53	4.61	3.04	0.85	5.39	0.81	14.78	42.01	15.66	4.71	4.00	1.12	8.54	1.28	20.53	55.84
5790	14.04	5.13	4.50	1.26	5.50	0.82	16.54	47.79	17.54	5.24	5.92	1.66	8.72	1.31	22.97	63.36
5795	14.21	5.30	4.50	1.26	7.60	1.14	16.82	50.83	17.77	5.41	5.92	1.66	12.14	1.82	23.36	68.08
5800	16.36	6.10	7.05	1.97	8.99	1.35	19.36	61.18	20.45	6.24	9.28	2.60	14.38	2.16	26.89	82.00
5805	15.75	5.70	4.50	1.26	5.39	0.81	18.52	51.93	19.69	5.83	5.92	1.66	8.54	1.28	25.73	68.65
5810	16.68	6.03	4.50	1.26	5.50	0.82	19.61	54.40	20.85	6.16	5.92	1.66	8.72	1.31	27.23	71.85
5815	18.76	6.84	7.05	1.97	7.60	1.14	22.10	65.46	23.45	7.00	9.28	2.60	12.14	1.82	30.69	86.98
5820	20.68	7.57	7.05	1.97	8.99	1.35	24.38	71.99	25.85	7.74	9.28	2.60	14.38	2.16	33.86	95.87
5830	1.29	0.44	0.00	0.00	0.00	0.00	1.49	3.22	1.61	0.45	0.00	0.00	0.00	0.00	2.08	4.14
5835	1.69	0.58	0.00	0.00	0.00	0.00	1.97	4.24	2.12	0.59	0.00	0.00	0.00	0.00	2.73	5.44
5840	1.94	0.66	0.00	0.00	0.00	0.00	2.25	4.85	2.42	0.68	0.00	0.00	0.00	0.00	3.12	6.22
5845	1.94	0.66	0.00	0.00	0.00	0.00	2.26	4.86	2.43	0.68	0.00	0.00	0.00	0.00	3.14	6.25
5860	4.84	1.64	1.65	0.63	0.00	0.00	7.69	16.45	6.06	1.68	2.18	0.83	0.00	0.00	10.00	20.75
5865	5.32	1.81	2.05	0.78	0.00	0.00	8.45	18.41	6.66	1.85	2.70	1.02	0.00	0.00	10.99	23.22
5870	7.16	2.43	2.89	1.10	0.00	0.00	11.37	24.95	8.95	2.48	3.80	1.44	0.00	0.00	14.78	31.45
5875	8.37	2.84	3.67	1.40	0.00	0.00	13.29	29.57	10.46	2.90	4.84	1.84	0.00	0.00	17.27	37.31
5885	3.41	1.16	1.71	0.65	0.00	0.00	5.41	12.34	4.26	1.18	2.25	0.85	0.00	0.00	7.04	15.58
5890	3.77	1.28	1.71	0.65	0.00	0.00	5.99	13.40	4.71	1.31	2.25	0.85	0.00	0.00	7.78	16.90
5895	6.75	2.29	2.10	0.80	0.00	0.00	10.71	22.65	8.44	2.34	2.76	1.05	0.00	0.00	13.93	28.52
5900	6.94	2.35	2.10	0.80	0.00	0.00	11.02	23.21	8.67	2.41	2.76	1.05	0.00	0.00	14.32	29.21
5905	8.49	2.88	2.89	1.10	0.00	0.00	13.48	28.84	10.61	2.94	3.80	1.44	0.00	0.00	17.52	36.31
5910	8.78	2.98	2.89	1.10	0.00	0.00	13.94	29.69	10.97	3.04	3.80	1.44	0.00	0.00	18.12	37.37
5915	11.09	3.76	3.94	1.50	0.00	0.00	17.61	37.90	13.87	3.85	5.18	1.97	0.00	0.00	22.89	47.76
5920	11.41	3.87	3.94	1.50	0.00	0.00	18.12	38.84	14.27	3.96	5.18	1.97	0.00	0.00	23.56	48.94
5925	15.74	5.34	5.51	2.09	0.00	0.00	24.99	53.67	19.67	5.46	7.26	2.76	0.00	0.00	32.48	67.63
5930	16.15	5.48	5.51	2.09	0.00	0.00	25.64	54.87	20.19	5.60	7.26	2.76	0.00	0.00	33.33	69.14
5940	3.68	1.25	1.65	0.63	0.00	0.00	5.85	13.06	4.60	1.28	2.18	0.83	0.00	0.00	7.60	16.49

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5945	4.46	1.51	2.05	0.78	0.00	0.00	7.08	15.88	5.58	1.55	2.70	1.02	0.00	0.00	9.21	20.06
5950	5.19	1.76	2.28	0.87	0.00	0.00	8.24	18.34	6.49	1.80	3.01	1.14	0.00	0.00	10.71	23.15
5955	6.94	2.35	3.20	1.22	0.00	0.00	11.02	24.73	8.67	2.41	4.22	1.60	0.00	0.00	14.32	31.22
5960	9.29	3.15	3.94	1.50	0.00	0.00	14.75	32.63	11.62	3.22	5.18	1.97	0.00	0.00	19.18	41.17
5965	13.43	4.56	5.85	2.22	0.00	0.00	21.32	47.38	16.79	4.66	7.71	2.93	0.00	0.00	27.71	59.80
5975	4.08	1.38	1.71	0.65	0.00	0.00	6.47	14.29	5.10	1.41	2.25	0.85	0.00	0.00	8.41	18.02
5980	5.20	1.76	2.05	0.78	0.00	0.00	8.26	18.05	6.50	1.80	2.70	1.02	0.00	0.00	10.73	22.75
5985	8.10	2.75	3.41	1.30	0.00	0.00	12.86	28.42	10.13	2.81	4.49	1.71	0.00	0.00	16.72	35.86
5990	11.92	4.04	4.99	1.89	0.00	0.00	18.92	41.76	14.90	4.13	6.57	2.50	0.00	0.00	24.60	52.70
6000	3.00	1.02	1.10	0.42	0.00	0.00	4.76	10.30	3.75	1.04	1.45	0.55	0.00	0.00	6.18	12.97
6005	3.92	1.33	1.84	0.70	0.00	0.00	6.22	14.01	4.89	1.36	2.42	0.92	0.00	0.00	8.08	17.67
6010	4.86	1.65	2.05	0.78	0.00	0.00	7.72	17.06	6.08	1.69	2.70	1.02	0.00	0.00	10.04	21.53
6015	7.14	2.42	3.15	1.20	0.00	0.00	11.34	25.25	8.93	2.48	4.15	1.58	0.00	0.00	14.74	31.88
6020	8.34	2.83	3.67	1.40	0.00	0.00	13.23	29.47	10.42	2.89	4.84	1.84	0.00	0.00	17.20	37.19
6025	12.44	4.22	5.25	1.99	0.00	0.00	19.75	43.65	15.55	4.32	6.91	2.63	0.00	0.00	25.68	55.09
6035	3.65	1.24	1.73	0.66	0.00	0.00	5.80	13.08	4.57	1.27	2.28	0.87	0.00	0.00	7.54	16.53
6040	5.21	1.77	2.36	0.90	0.00	0.00	8.27	18.51	6.51	1.81	3.11	1.18	0.00	0.00	10.75	23.36
6045	6.70	2.27	2.89	1.10	0.00	0.00	10.63	23.59	8.37	2.32	3.80	1.44	0.00	0.00	13.82	29.75
6050	8.52	2.89	3.54	1.35	0.00	0.00	13.53	29.83	10.65	2.96	4.67	1.77	0.00	0.00	17.58	37.63
6055	10.24	3.48	4.20	1.60	0.00	0.00	16.26	35.78	12.81	3.55	5.53	2.10	0.00	0.00	21.14	45.13
6060	12.36	4.19	5.25	1.99	0.00	0.00	19.63	43.42	15.45	4.29	6.91	2.63	0.00	0.00	25.52	54.80
6065	24.22	8.22	9.18	3.49	0.00	0.00	38.46	83.57	30.28	8.40	12.10	4.60	0.00	0.00	49.99	105.37
6080	0.62	0.24	0.80	0.26	0.10	0.01	0.60	2.63	0.78	0.25	1.05	0.33	0.18	0.03	0.81	3.43
6085	0.75	0.29	0.36	0.15	0.10	0.01	0.73	2.39	0.94	0.30	0.48	0.20	0.18	0.03	0.97	3.10
6090	0.86	0.33	1.15	0.37	0.08	0.01	0.83	3.63	1.07	0.34	1.50	0.48	0.16	0.02	1.11	4.68
6095	0.97	0.37	0.54	0.22	0.08	0.01	0.93	3.12	1.21	0.38	0.70	0.30	0.16	0.02	1.25	4.02
6100	1.14	0.44	0.68	0.29	0.09	0.01	1.10	3.75	1.43	0.45	0.90	0.38	0.17	0.03	1.47	4.83
6105	1.05	0.40	1.61	0.51	0.09	0.01	1.01	4.68	1.32	0.41	2.09	0.67	0.17	0.03	1.35	6.04
6110	1.22	0.46	1.71	0.55	0.09	0.01	1.17	5.21	1.52	0.47	2.22	0.71	0.17	0.03	1.56	6.68
6115	1.30	0.50	0.88	0.37	0.09	0.01	1.25	4.40	1.63	0.51	1.15	0.48	0.17	0.03	1.68	5.65
6120	1.63	0.64	1.31	0.55	0.31	0.05	1.58	6.07	2.04	0.65	1.73	0.73	0.59	0.09	2.11	7.94
6125	2.03	0.80	1.68	0.70	0.35	0.05	1.96	7.57	2.54	0.81	2.21	0.93	0.66	0.10	2.63	9.88
6130	2.89	1.18	1.90	0.80	1.01	0.15	2.82	10.75	3.61	1.20	2.50	1.05	1.93	0.29	3.78	14.36
6135	2.92	1.19	1.99	0.84	1.01	0.15	2.85	10.95	3.65	1.22	2.62	1.10	1.93	0.29	3.82	14.63
6145	1.85	0.71	0.90	0.38	0.20	0.03	1.78	5.85	2.31	0.73	1.18	0.50	0.38	0.06	2.38	7.54
6150	3.20	1.26	1.61	0.67	0.60	0.09	3.10	10.53	4.00	1.28	2.11	0.89	1.15	0.17	4.15	13.75
6155	4.37	1.72	2.02	0.85	0.83	0.12	4.22	14.13	5.46	1.75	2.66	1.12	1.58	0.24	5.66	18.47
6160	5.84	2.35	2.68	1.12	1.70	0.25	5.69	19.63	7.31	2.40	3.52	1.48	3.24	0.49	7.62	26.06
6165	7.50	2.97	3.72	1.56	1.70	0.25	7.27	24.97	9.38	3.04	4.90	2.06	3.24	0.49	9.74	32.85
6170	9.51	3.81	4.50	1.89	2.58	0.39	9.24	31.92	11.89	3.89	5.92	2.49	4.92	0.74	12.38	42.23
6180	3.40	1.35	1.58	0.66	0.75	0.11	3.29	11.14	4.25	1.37	2.08	0.87	1.43	0.21	4.41	14.62
6185	4.07	1.60	1.58	0.66	0.75	0.11	3.94	12.71	5.09	1.63	2.08	0.87	1.43	0.21	5.27	16.58
6190	4.97	1.94	2.07	0.87	0.83	0.12	4.80	15.60	6.21	1.98	2.72	1.14	1.58	0.24	6.43	20.30
6195	5.34	2.08	2.07	0.87	0.83	0.12	5.15	16.46	6.68	2.12	2.72	1.14	1.58	0.24	6.90	21.38
6200	5.06	1.98	1.95	0.82	0.83	0.12	4.89	15.65	6.33	2.02	2.56	1.08	1.58	0.24	6.54	20.35
6205	5.71	2.22	2.55	1.07	0.83	0.12	5.50	18.00	7.14	2.26	3.36	1.41	1.58	0.24	7.37	23.36
6210	6.10	2.37	2.55	1.07	0.83	0.12	5.88	18.92	7.63	2.42	3.36	1.41	1.58	0.24	7.88	24.52
6215	5.78	2.26	2.43	1.02	1.02	0.15	5.58	18.24	7.23	2.31	3.20	1.34	1.94	0.29	7.48	23.79
6220	7.18	2.79	3.04	1.28	1.02	0.15	6.92	22.38	8.98	2.85	4.00	1.68	1.94	0.29	9.27	29.01
6225	9.22	3.62	3.77	1.58	1.70	0.25	8.92	29.06	11.53	3.69	4.96	2.08	3.24	0.49	11.94	37.93
6230	12.66	5.00	4.86	2.04	2.70	0.41	12.26	39.93	15.83	5.11	6.40	2.69	5.16	0.77	16.42	52.38
6235	15.90	6.21	6.57	1.97	5.65	0.85	13.49	50.64	19.08	6.32	8.64	2.59	10.78	1.62	17.34	66.37
6240	22.43	8.97	9.12	2.74	7.67	1.15	19.09	71.17	26.91	9.12	12.00	3.60	14.64	2.20	24.55	93.02
6245	44.71	18.30	16.78	5.03	19.31	2.90	38.22	145.25	53.65	18.61	22.08	6.62	36.87	5.53	49.14	192.50
6255	4.39	1.72	2.07	0.87	0.75	0.11	4.24	14.15	5.49	1.75	2.72	1.14	1.43	0.21	5.68	18.42

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
6260	5.16	2.01	2.68	1.12	0.83	0.12	4.98	16.90	6.45	2.05	3.52	1.48	1.58	0.24	6.67	21.99
6265	5.99	2.34	2.94	1.24	1.02	0.15	5.78	19.46	7.49	2.39	3.87	1.63	1.94	0.29	7.75	25.36
6270	8.63	3.42	3.75	1.57	1.95	0.29	8.37	27.98	10.79	3.49	4.93	2.07	3.72	0.56	11.21	36.77
6275	11.52	4.61	4.94	2.07	3.11	0.47	11.20	37.92	14.41	4.71	6.50	2.73	5.94	0.89	15.00	50.18
6280	14.71	5.78	6.79	2.04	5.65	0.85	12.49	48.31	17.66	5.88	8.93	2.68	10.78	1.62	16.06	63.61
6285	21.50	8.45	8.76	2.63	5.94	0.89	18.25	66.42	25.80	8.59	11.52	3.46	11.34	1.70	23.47	85.88
6290	39.32	15.85	14.88	4.47	14.65	2.20	33.52	124.89	47.18	16.11	19.58	5.88	27.97	4.20	43.09	164.01
6300	3.34	1.32	1.70	0.72	0.70	0.10	3.23	11.11	4.18	1.35	2.24	0.94	1.33	0.20	4.33	14.57
6305	3.91	1.53	1.95	0.82	0.70	0.10	3.78	12.79	4.89	1.56	2.56	1.08	1.33	0.20	5.06	16.68
6310	5.01	1.95	2.68	1.12	0.70	0.10	4.83	16.39	6.26	1.99	3.52	1.48	1.33	0.20	6.47	21.25
6315	5.45	2.14	3.09	1.30	1.02	0.15	5.26	18.41	6.81	2.18	4.06	1.71	1.94	0.29	7.05	24.04
6320	7.54	3.02	3.99	1.68	2.05	0.31	7.33	25.92	9.42	3.08	5.25	2.20	3.91	0.59	9.81	34.26
6325	11.62	4.65	5.42	2.28	3.11	0.47	11.29	38.84	14.53	4.75	7.14	3.00	5.94	0.89	15.12	51.37
6330	14.33	5.64	6.69	2.01	5.65	0.85	12.17	47.34	17.20	5.73	8.80	2.64	10.78	1.62	15.65	62.42
6335	17.24	6.90	8.51	2.55	5.94	0.89	14.68	56.71	20.69	7.01	11.20	3.36	11.34	1.70	18.88	74.18
6345	1.53	0.61	1.17	0.49	0.43	0.06	1.48	5.77	1.91	0.63	1.54	0.65	0.81	0.12	1.99	7.65
6350	1.79	0.72	1.17	0.49	0.43	0.06	1.74	6.40	2.24	0.73	1.54	0.65	0.81	0.12	2.33	8.42
6355	2.04	0.81	1.46	0.61	0.43	0.06	1.98	7.39	2.55	0.82	1.92	0.81	0.81	0.12	2.65	9.68
6360	4.59	1.78	1.53	0.64	0.61	0.09	4.42	13.66	5.73	1.82	2.02	0.85	1.16	0.17	5.92	17.67
6370	3.89	1.53	1.95	0.82	0.75	0.11	3.76	12.81	4.86	1.56	2.56	1.08	1.43	0.21	5.03	16.73
6375	4.80	1.88	2.43	1.02	0.83	0.12	4.64	15.72	6.01	1.92	3.20	1.34	1.58	0.24	6.21	20.50
6380	5.57	2.19	2.92	1.23	1.02	0.15	5.39	18.47	6.97	2.23	3.84	1.61	1.94	0.29	7.21	24.09
6385	8.05	3.18	3.77	1.58	1.70	0.25	7.80	26.33	10.07	3.24	4.96	2.08	3.24	0.49	10.44	34.52
6390	11.04	4.42	4.60	1.93	2.96	0.44	10.73	36.12	13.80	4.51	6.05	2.54	5.66	0.85	14.36	47.77
6395	15.27	6.26	5.08	2.13	5.65	0.85	14.93	50.17	19.09	6.38	6.69	2.81	10.78	1.62	20.00	67.37
6400	21.48	8.44	10.09	3.03	5.94	0.89	18.23	68.10	25.77	8.58	13.28	3.98	11.34	1.70	23.44	88.09
6405	40.00	15.78	14.35	4.30	11.64	1.75	33.98	121.80	48.00	16.05	18.88	5.66	22.22	3.33	43.69	157.83
6415	1.65	0.65	1.05	0.44	0.32	0.05	1.60	5.76	2.07	0.67	1.38	0.58	0.59	0.09	2.14	7.52
6420	4.48	1.75	2.07	0.87	0.75	0.11	4.33	14.36	5.60	1.79	2.72	1.14	1.43	0.21	5.80	18.69
6425	5.49	2.13	2.55	1.07	0.70	0.10	5.29	17.33	6.86	2.17	3.36	1.41	1.33	0.20	7.08	22.41
6430	7.76	3.06	3.53	1.48	1.53	0.23	7.51	25.10	9.70	3.12	4.64	1.95	2.92	0.44	10.05	32.82
6435	13.14	5.21	6.32	1.90	5.65	0.85	11.17	44.24	15.77	5.29	8.32	2.50	10.78	1.62	14.36	58.64
6445	4.67	1.85	2.53	1.06	1.02	0.15	4.52	15.80	5.84	1.88	3.33	1.40	1.94	0.29	6.06	20.74
6450	6.47	2.59	3.84	1.61	1.70	0.25	6.29	22.75	8.09	2.64	5.06	2.12	3.24	0.49	8.42	30.06
6455	6.94	2.77	4.01	1.69	1.78	0.27	6.74	24.20	8.68	2.83	5.28	2.22	3.39	0.51	9.03	31.94
6460	9.39	3.78	5.28	2.22	2.70	0.41	9.13	32.91	11.73	3.85	6.94	2.92	5.16	0.77	12.23	43.60
6465	12.08	4.78	7.42	2.23	5.12	0.77	10.26	42.66	14.49	4.86	9.76	2.93	9.77	1.47	13.20	56.48
6470	18.44	7.52	9.31	2.79	7.67	1.15	15.75	62.63	22.13	7.64	12.26	3.68	14.64	2.20	20.25	82.80
6480	1.96	0.76	1.17	0.49	0.24	0.04	1.89	6.55	2.45	0.78	1.54	0.65	0.45	0.07	2.53	8.47
6485	2.12	0.83	1.58	0.66	0.32	0.05	2.05	7.61	2.65	0.85	2.08	0.87	0.60	0.09	2.74	9.88
6490	2.29	0.92	1.75	0.74	0.63	0.09	2.22	8.64	2.86	0.94	2.30	0.97	1.18	0.18	2.98	11.41
6500	4.64	1.84	2.50	1.05	1.02	0.15	4.50	15.70	5.80	1.88	3.30	1.38	1.94	0.29	6.02	20.61
6505	5.46	2.15	2.99	1.26	1.02	0.15	5.28	18.31	6.83	2.19	3.94	1.65	1.94	0.29	7.07	23.91
6510	7.49	2.98	3.50	1.47	1.78	0.27	7.27	24.76	9.37	3.04	4.61	1.94	3.39	0.51	9.73	32.59
6515	8.06	3.19	4.09	1.72	1.78	0.27	7.81	26.92	10.08	3.26	5.38	2.26	3.39	0.51	10.46	35.34
6520	10.39	4.15	5.11	2.15	2.64	0.40	10.09	34.93	12.99	4.23	6.72	2.82	5.05	0.76	13.51	46.08
6525	11.23	4.28	6.01	1.80	2.64	0.40	9.48	35.84	13.47	4.36	7.90	2.37	5.05	0.76	12.19	46.10
6530	14.71	5.78	7.47	2.24	5.65	0.85	12.49	49.19	17.65	5.87	9.82	2.95	10.78	1.62	16.05	64.74
6535	21.40	8.59	11.19	3.36	7.67	1.15	18.23	71.59	25.68	8.74	14.72	4.42	14.64	2.20	23.44	93.84
6545	4.22	1.68	2.26	0.95	1.02	0.15	4.09	14.37	5.27	1.71	2.98	1.25	1.94	0.29	5.48	18.92
6550	5.40	2.12	5.97	1.91	1.02	0.15	5.22	21.79	6.75	2.17	7.78	2.49	1.94	0.29	6.99	28.41
6555	7.10	2.82	3.89	1.63	1.70	0.25	6.89	24.28	8.88	2.88	5.12	2.15	3.24	0.49	9.23	31.99
6560	7.96	3.28	4.50	1.89	3.11	0.47	7.79	29.00	9.95	3.34	5.92	2.49	5.94	0.89	10.44	38.97
6565	14.37	5.68	6.93	2.08	6.02	0.90	12.21	48.19	17.25	5.78	9.12	2.74	11.49	1.72	15.70	63.80
6570	18.86	7.49	9.73	2.92	5.94	0.89	16.04	61.87	22.64	7.61	12.80	3.84	11.34	1.70	20.62	80.55

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6585	2.65	1.04	1.14	0.37	0.34	0.05	2.92	8.51	3.31	1.06	1.50	0.48	0.48	0.07	3.88	10.78
6590	3.32	1.28	1.53	0.49	0.33	0.05	3.65	10.65	4.15	1.31	2.02	0.65	0.46	0.07	4.85	13.51
6595	5.32	2.06	1.95	0.62	0.53	0.08	5.86	16.42	6.65	2.10	2.56	0.82	0.75	0.11	7.78	20.77
6600	6.10	2.38	2.70	0.86	0.71	0.11	6.72	19.58	7.62	2.42	3.55	1.14	0.99	0.15	8.93	24.80
6610	2.91	1.14	1.41	0.45	0.38	0.06	3.21	9.56	3.63	1.16	1.86	0.59	0.53	0.08	4.26	12.11
6615	3.47	1.35	1.51	0.48	0.42	0.06	3.82	11.11	4.33	1.38	1.98	0.63	0.60	0.09	5.08	14.09
6620	4.01	1.57	1.70	0.54	0.53	0.08	4.43	12.86	5.01	1.60	2.24	0.72	0.75	0.11	5.88	16.31
6625	4.62	1.80	1.95	0.62	0.53	0.08	5.09	14.69	5.77	1.83	2.56	0.82	0.75	0.11	6.76	18.60
6630	5.49	2.16	2.43	0.78	0.83	0.13	6.06	17.88	6.86	2.20	3.20	1.02	1.17	0.18	8.05	22.68
6640	2.35	0.92	1.17	0.37	0.36	0.05	2.60	7.82	2.94	0.94	1.54	0.49	0.51	0.08	3.45	9.95
6645	2.62	1.03	1.17	0.37	0.36	0.05	2.89	8.49	3.27	1.05	1.54	0.49	0.51	0.08	3.84	10.78
6650	2.80	1.09	1.46	0.47	0.36	0.05	3.08	9.31	3.50	1.11	1.92	0.61	0.51	0.08	4.10	11.83
6655	3.10	1.22	1.53	0.49	0.52	0.08	3.43	10.37	3.87	1.25	2.02	0.65	0.74	0.11	4.55	13.19
6660	3.47	1.36	1.75	0.56	0.52	0.08	3.83	11.57	4.34	1.39	2.30	0.74	0.74	0.11	5.09	14.71
6665	5.01	1.94	2.43	0.78	0.52	0.08	5.52	16.28	6.26	1.98	3.20	1.02	0.74	0.11	7.33	20.64
6675	2.73	1.05	1.17	0.37	0.21	0.03	3.00	8.56	3.41	1.07	1.54	0.49	0.29	0.04	3.98	10.82
6680	3.09	1.19	1.58	0.51	0.28	0.04	3.40	10.09	3.86	1.22	2.08	0.67	0.39	0.06	4.51	12.79
6685	3.20	1.26	1.75	0.56	0.53	0.08	3.54	10.92	3.99	1.29	2.30	0.74	0.75	0.11	4.70	13.88
6700	5.70	1.93	1.65	0.63	0.00	0.00	9.05	18.96	7.12	1.98	2.18	0.83	0.00	0.00	11.76	23.87
6705	6.32	2.14	2.05	0.78	0.00	0.00	10.03	21.32	7.90	2.19	2.70	1.02	0.00	0.00	13.04	26.85
6715	4.43	1.50	1.71	0.65	0.00	0.00	7.03	15.32	5.53	1.54	2.25	0.85	0.00	0.00	9.14	19.31
6725	0.56	0.16	0.00	0.51	0.00	0.00	0.81	2.04								
6730	1.17	0.34	0.00	1.05	0.00	0.00	1.69	4.25								
6735	2.35	0.69	0.00	1.99	0.00	0.00	3.40	8.43								
6740	0.56	0.17	0.00	0.25	0.00	0.00	0.82	1.80								
6745	0.88	0.26	0.00	0.37	0.00	0.00	1.28	2.79								
6760	1.98	0.58	0.00	0.27	0.00	0.00	2.87	5.70								
6765	2.59	0.76	0.00	0.50	0.00	0.00	3.74	7.59								
6770	3.04	0.89	0.00	0.79	0.00	0.00	4.40	9.12								
6785	4.66	1.36	0.00	0.32	0.00	0.00	6.75	13.09								
6790	4.82	1.41	0.00	0.32	0.00	0.00	6.97	13.52								
6795	7.50	2.19	0.00	0.50	0.00	0.00	10.85	21.04								
6800	7.85	2.30	0.00	0.60	0.00	0.00	11.35	22.10								
6815	3.73	1.09	0.00	0.44	0.00	0.00	5.40	10.66								
6820	4.42	1.29	0.00	0.50	0.00	0.00	6.39	12.60								
6825	5.03	1.47	0.00	0.60	0.00	0.00	7.27	14.37								
6830	5.40	1.58	0.00	0.74	0.00	0.00	7.81	15.53								
6835	6.40	1.87	0.00	0.64	0.00	0.00	9.25	18.16								
6840	7.71	2.26	0.00	0.94	0.00	0.00	11.16	22.07								
6845	8.74	2.56	0.00	0.94	0.00	0.00	12.64	24.88								
6850	11.48	3.36	0.00	1.16	0.00	0.00	16.60	32.60								
6855	13.04	3.81	0.00	1.27	0.00	0.00	18.86	36.98								
6870	2.98	0.87	0.56	0.18	0.00	0.00	4.31	8.90								
6875	6.27	1.83	1.22	0.39	0.00	0.00	9.07	18.78								
6880	7.26	2.12	1.85	0.59	0.00	0.00	10.50	22.32								
6885	7.64	2.24	2.19	0.70	0.00	0.00	11.05	23.82								
6890	10.29	3.01	3.23	1.04	0.00	0.00	14.89	32.46								
6895	12.29	3.60	3.31	1.06	0.00	0.00	17.78	38.04								
6905	6.78	1.98	1.09	0.67	0.00	0.00	9.81	20.33								
6910	8.26	2.42	1.92	1.09	0.00	0.00	11.95	25.64								
6915	10.30	3.01	2.82	1.48	0.00	0.00	14.90	32.51								
6920	13.17	3.85	3.14	1.69	0.00	0.00	19.05	40.90								
6925	24.56	7.18	5.25	2.98	0.00	0.00	35.52	75.49								
6930	28.30	8.28	6.52	3.69	0.00	0.00	40.93	87.72								
6940	3.66	1.07	0.00	0.50	0.00	0.00	5.30	10.53								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6945	3.89	1.14	0.00	0.65	0.00	0.00	5.63	11.31								
6950	5.20	1.52	0.00	0.65	0.00	0.00	7.52	14.89								
6955	1.33	0.39	0.00	0.25	0.00	0.00	1.92	3.89								
6960	1.68	0.49	0.00	0.34	0.00	0.00	2.43	4.94								
6965	2.10	0.61	0.00	0.44	0.00	0.00	3.03	6.18								
6975	5.05	1.48	0.00	0.67	0.00	0.00	7.30	14.50								
6980	5.78	1.69	0.00	0.79	0.00	0.00	8.37	16.63								
6985	6.21	1.82	0.00	0.94	0.00	0.00	8.98	17.95								
6990	7.60	2.22	0.00	1.11	0.00	0.00	11.00	21.93								
6995	9.39	2.75	0.00	1.16	0.00	0.00	13.58	26.88								
7000	13.60	3.98	0.00	1.37	0.00	0.00	19.67	38.62								
7015	7.01	2.05	2.31	0.74	0.00	0.00	10.13	22.24								
7020	12.45	3.64	3.79	1.21	0.00	0.00	18.00	39.09								
7025	18.32	5.36	7.54	2.41	0.00	0.00	26.50	60.13								
7030	21.12	6.18	12.40	3.97	0.00	0.00	30.54	74.21								
7035	26.76	7.83	14.11	4.51	0.00	0.00	38.71	91.92								
7050	7.53	3.34	1.41	0.56	0.00	0.00	7.67	20.51	9.04	3.39	1.81	0.73	0.00	0.00	10.44	25.41
7055	12.20	5.41	2.69	1.08	0.00	0.00	12.43	33.81	14.64	5.49	3.46	1.38	0.00	0.00	16.90	41.87
7060	13.89	6.16	2.69	1.08	0.00	0.00	14.14	37.96	16.66	6.24	3.46	1.38	0.00	0.00	19.24	46.98
7065	17.44	7.74	4.03	1.61	0.00	0.00	17.77	48.59	20.93	7.84	5.18	2.07	0.00	0.00	24.16	60.18
7070	24.36	10.81	5.51	2.20	0.00	0.00	24.82	67.70	29.24	10.96	7.08	2.83	0.00	0.00	33.75	83.86
7085	1.35	0.34	0.00	0.15	0.00	0.00	1.47	3.31								
7090	0.50	0.13	0.00	0.10	0.00	0.00	0.54	1.27								
7095	1.99	0.50	0.00	0.31	0.00	0.00	2.16	4.96								
7100	0.86	0.22	0.00	0.05	0.00	0.00	0.93	2.06								
7115	0.06	0.02	0.14	0.04	0.00	0.00	0.06	0.32								
7130	0.04	0.01	0.14	0.04	0.00	0.00	0.04	0.27								
7135	0.05	0.02	0.21	0.07	0.00	0.00	0.05	0.40								
7140	0.08	0.03	0.55	0.18	0.00	0.00	0.09	0.93								
7150	0.67	0.25	2.97	0.95	0.00	0.00	0.74	5.58								
7155	0.68	0.26	1.02	0.39	0.00	0.00	0.75	3.10								
7160	0.95	0.36	5.46	1.75	0.00	0.00	1.05	9.57								
7165	1.07	0.40	2.04	0.77	0.00	0.00	1.18	5.46								
7170	1.65	0.62	2.37	0.90	0.00	0.00	1.83	7.37								
7175	1.76	0.66	2.31	0.88	0.00	0.00	1.94	7.55								
7190	0.07	0.03	0.35	0.11	0.00	0.00	0.08	0.64								
7195	0.10	0.04	0.55	0.18	0.00	0.00	0.11	0.98								
7200	0.21	0.08	1.11	0.35	0.00	0.00	0.23	1.98								
7215	0.09	0.03	0.21	0.07	0.00	0.00	0.10	0.50								
7220	0.10	0.04	0.21	0.07	0.00	0.00	0.11	0.53								
7235	0.12	0.05	0.13	0.06	0.00	0.00	0.07	0.43								
7240	0.18	0.07	0.31	0.14	0.00	0.00	0.10	0.80								
7245	0.63	0.24	1.57	0.71	0.00	0.00	0.35	3.50								
7250	0.82	0.31	3.78	1.70	0.00	0.00	0.45	7.06								
7260	0.10	0.04	0.06	0.03	0.00	0.00	0.05	0.28								
7265	0.14	0.05	0.13	0.06	0.00	0.00	0.08	0.46								
7270	0.19	0.07	0.50	0.23	0.00	0.00	0.10	1.09								
7285	3.87	1.07	0.00	0.15	0.00	0.00	3.93	9.02	5.16	1.11	0.00	0.15	0.00	0.00	5.90	12.32
7290	0.30	0.08	0.00	0.00	0.00	0.00	0.31	0.69	0.40	0.09	0.00	0.00	0.00	0.00	0.46	0.95
7295	2.45	0.68	0.00	0.10	0.00	0.00	2.49	5.72	3.27	0.71	0.00	0.10	0.00	0.00	3.74	7.82
7300	0.19	0.05	0.00	0.00	0.00	0.00	0.20	0.44	0.26	0.06	0.00	0.00	0.00	0.00	0.29	0.61
7305	1.83	0.51	0.00	0.08	0.00	0.00	1.86	4.28	2.45	0.53	0.00	0.08	0.00	0.00	2.79	5.85
7310	0.08	0.02	0.00	0.00	0.00	0.00	0.09	0.19	0.11	0.02	0.00	0.00	0.00	0.00	0.13	0.26
7315	2.11	0.58	0.00	0.10	0.00	0.00	2.14	4.93	2.81	0.61	0.00	0.10	0.00	0.00	3.21	6.73
7320	0.19	0.05	0.00	0.00	0.00	0.00	0.19	0.43	0.25	0.05	0.00	0.00	0.00	0.00	0.29	0.59

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
7325	1.52	0.42	0.00	0.08	0.00	0.00	1.55	3.57	2.03	0.44	0.00	0.08	0.00	0.00	2.32	4.87
7330	0.12	0.03	0.00	0.00	0.00	0.00	0.12	0.27	0.16	0.04	0.00	0.00	0.00	0.00	0.19	0.39
7335	0.89	0.25	0.00	0.08	0.00	0.00	0.91	2.13	1.19	0.26	0.00	0.08	0.00	0.00	1.36	2.89
7340	0.05	0.01	0.00	0.00	0.00	0.00	0.05	0.11	0.06	0.01	0.00	0.00	0.00	0.00	0.07	0.14
7345	2.35	0.65	0.00	0.08	0.00	0.00	2.39	5.47	3.13	0.68	0.00	0.08	0.00	0.00	3.58	7.47
7350	0.19	0.05	0.00	0.00	0.00	0.00	0.19	0.43	0.25	0.05	0.00	0.00	0.00	0.00	0.29	0.59
7355	2.09	0.58	0.00	0.08	0.00	0.00	2.12	4.87	2.79	0.60	0.00	0.08	0.00	0.00	3.19	6.66
7360	0.26	0.07	0.00	0.00	0.00	0.00	0.26	0.59	0.34	0.07	0.00	0.00	0.00	0.00	0.39	0.80
7365	0.74	0.25	0.00	0.08	0.00	0.00	0.75	1.82	0.92	0.26	0.00	0.08	0.00	0.00	1.05	2.31
7375	5.16	1.43	0.00	0.22	0.00	0.00	5.24	12.05	6.87	1.48	0.00	0.22	0.00	0.00	7.86	16.43
7380	0.38	0.10	0.00	0.00	0.00	0.00	0.38	0.86	0.50	0.11	0.00	0.00	0.00	0.00	0.57	1.18
7385	5.49	1.52	0.00	0.21	0.00	0.00	5.58	12.80	7.32	1.58	0.00	0.21	0.00	0.00	8.37	17.48
7390	4.37	1.21	0.00	0.16	0.00	0.00	4.44	10.18	5.83	1.26	0.00	0.16	0.00	0.00	6.66	13.91
7395	0.34	0.09	0.00	0.00	0.00	0.00	0.34	0.77	0.45	0.10	0.00	0.00	0.00	0.00	0.51	1.06
7400	4.07	1.13	0.00	0.16	0.00	0.00	4.13	9.49	5.42	1.17	0.00	0.16	0.00	0.00	6.20	12.95
7405	2.95	0.82	0.00	0.10	0.00	0.00	3.00	6.87	3.93	0.85	0.00	0.10	0.00	0.00	4.49	9.37
7410	0.19	0.05	0.00	0.00	0.00	0.00	0.19	0.43	0.25	0.05	0.00	0.00	0.00	0.00	0.29	0.59
7415	2.87	0.80	0.00	0.10	0.00	0.00	2.91	6.68	3.82	0.82	0.00	0.10	0.00	0.00	4.37	9.11
7420	1.65	0.46	0.00	0.08	0.00	0.00	1.67	3.86	2.20	0.47	0.00	0.08	0.00	0.00	2.51	5.26
7425	0.10	0.03	0.00	0.00	0.00	0.00	0.10	0.23	0.13	0.03	0.00	0.00	0.00	0.00	0.15	0.31
7430	1.03	0.29	0.00	0.08	0.00	0.00	1.05	2.45	1.37	0.30	0.00	0.08	0.00	0.00	1.57	3.32
7435	0.05	0.01	0.00	0.00	0.00	0.00	0.05	0.11	0.07	0.01	0.00	0.00	0.00	0.00	0.08	0.16
7440	0.61	0.17	0.00	0.08	0.00	0.00	0.62	1.48	0.82	0.18	0.00	0.08	0.00	0.00	0.93	2.01
7445	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.03	0.01	0.00	0.00	0.00	0.00	0.04	0.08
7450	0.27	0.08	0.00	0.08	0.00	0.00	0.28	0.71	0.36	0.08	0.00	0.08	0.00	0.00	0.41	0.93
7455	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.04
7465	5.53	1.53	0.00	0.28	0.00	0.00	5.62	12.96	7.37	1.59	0.00	0.28	0.00	0.00	8.43	17.67
7470	4.36	1.21	0.00	0.20	0.00	0.00	4.43	10.20	5.82	1.25	0.00	0.20	0.00	0.00	6.65	13.92
7475	3.30	0.91	0.00	0.10	0.00	0.00	3.35	7.66	4.39	0.95	0.00	0.10	0.00	0.00	5.02	10.46
7480	2.05	0.57	0.00	0.09	0.00	0.00	2.08	4.79	2.73	0.59	0.00	0.09	0.00	0.00	3.13	6.54
7495	3.19	1.12	2.07	0.50	0.18	0.03	3.35	10.44								
7500	3.53	1.23	2.07	0.50	0.18	0.03	3.70	11.24								
7505	4.09	1.43	2.07	0.50	0.22	0.03	4.30	12.64								
7510	6.42	2.29	3.04	0.73	0.68	0.10	6.77	20.03								
7520	2.78	0.98	1.85	0.44	0.18	0.03	2.92	9.18								
7525	2.99	1.05	1.85	0.44	0.18	0.03	3.14	9.68								
7530	3.07	1.07	1.90	0.46	0.18	0.03	3.22	9.93								
7535	2.94	1.03	5.37	1.29	0.22	0.03	3.09	13.97								
7540	3.28	1.15	1.85	0.44	0.22	0.03	3.45	10.42								
7545	3.06	1.08	5.37	1.29	0.26	0.04	3.22	14.32								
7550	3.40	1.20	1.85	0.44	0.26	0.04	3.58	10.77								
7555	7.31	2.63	2.85	0.68	0.90	0.13	7.72	22.22								
7565	3.04	1.06	1.65	0.40	0.18	0.03	3.19	9.55								
7570	3.77	1.32	1.65	0.40	0.22	0.03	3.96	11.35								
7575	7.62	2.72	3.16	0.76	0.82	0.12	8.04	23.24								
7580	8.76	3.27	3.16	0.76	2.08	0.31	9.33	27.67								
7595	3.95	1.80	0.00	0.21	1.92	0.29	4.41	12.58								
7600	5.48	2.13	0.00	0.23	1.50	0.22	5.89	15.45								
7610	5.19	2.21	0.00	0.39	1.82	0.27	5.70	15.58								
7615	5.27	2.39	0.00	0.44	2.49	0.37	5.88	16.84								
7620	7.77	3.25	0.00	0.66	2.49	0.37	8.50	23.04								
7630	0.69	0.27	0.00	0.05	0.21	0.03	0.74	1.99								
7645	1.11	0.38	0.00	0.15	0.00	0.00	1.16	2.80								
7650	1.42	0.49	0.00	0.15	0.00	0.00	1.48	3.54								
7655	1.46	0.50	0.00	0.15	0.00	0.00	1.53	3.64								

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
7660	2.19	0.75	0.00	0.15	0.00	0.00	2.28	5.37								
7665	3.35	1.14	0.00	0.15	0.00	0.00	3.50	8.14								
7670	5.04	1.72	0.00	0.15	0.00	0.00	5.27	12.18								
7675	3.31	1.13	0.00	0.16	0.00	0.00	3.46	8.06								
7680	3.84	1.31	0.00	0.15	0.00	0.00	4.01	9.31								
7685	5.93	2.03	0.00	0.15	0.00	0.00	6.20	14.31								
7695	0.49	0.17	0.00	0.16	0.00	0.00	0.51	1.33								
7700	1.00	0.34	0.00	0.16	0.00	0.00	1.04	2.54								
7715	12.69	4.34	5.11	1.23	0.00	0.00	13.26	36.63								
7720	12.70	4.35	4.13	0.99	0.00	0.00	13.27	35.44								
7725	19.07	6.53	15.91	3.82	0.00	0.00	19.93	65.26								
7730	20.17	6.90	17.17	4.12	0.00	0.00	21.07	69.43								
7735	19.95	6.83	7.54	1.81	0.00	0.00	20.84	56.97								
7745	21.03	7.20	8.03	1.93	0.00	0.00	21.98	60.17								
7760	2.19	0.75	1.26	0.30	0.00	0.00	2.29	6.79								
7765	2.61	0.89	1.26	0.30	0.00	0.00	2.73	7.79								
7770	4.00	1.37	2.07	0.50	0.00	0.00	4.17	12.11								
7775	4.17	1.43	2.07	0.50	0.00	0.00	4.36	12.53								
7780	4.36	1.49	2.07	0.50	0.00	0.00	4.56	12.98								
7785	4.54	1.56	2.07	0.50	0.00	0.00	4.75	13.42								
7795	4.37	1.49	5.37	1.29	0.00	0.00	4.56	17.08								
7800	4.69	1.60	2.07	0.50	0.00	0.00	4.90	13.76								
7805	4.63	1.58	5.37	1.29	0.00	0.00	4.84	17.71								
7810	4.95	1.69	2.07	0.50	0.00	0.00	5.17	14.38								
7815	2.14	0.73	2.71	0.65	0.00	0.00	2.24	8.47								
7820	2.91	1.00	5.37	1.29	0.00	0.00	3.04	13.61								
7825	3.23	1.10	2.07	0.50	0.00	0.00	3.37	10.27								
7830	3.53	1.21	5.37	1.29	0.00	0.00	3.69	15.09								
7835	3.85	1.32	2.07	0.50	0.00	0.00	4.02	11.76								
7840	3.81	1.30	5.37	1.29	0.00	0.00	3.98	15.75								
7845	4.12	1.41	2.07	0.50	0.00	0.00	4.31	12.41								
7860	1.35	0.38	1.24	0.40	0.00	0.00	1.76	5.13								
7865	1.65	0.46	1.24	0.40	0.00	0.00	2.15	5.90								
7870	3.48	0.97	1.46	0.47	0.00	0.00	4.55	10.93								
7875	3.82	1.07	1.46	0.47	0.00	0.00	4.99	11.81								
7880	5.33	1.49	3.22	1.03	0.00	0.00	6.97	18.04								
7885	5.62	1.57	3.22	1.03	0.00	0.00	7.35	18.79								
7895	3.75	1.05	1.66	0.53	0.00	0.00	4.90	11.89								
7900	4.08	1.14	1.66	0.53	0.00	0.00	5.33	12.74								
7905	6.56	1.84	2.61	0.84	0.00	0.00	8.57	20.42								
7910	7.14	2.00	2.61	0.84	0.00	0.00	9.33	21.92								
7920	2.47	0.69	2.49	0.80	0.00	0.00	3.23	9.68								
7925	3.03	0.85	2.49	0.80	0.00	0.00	3.96	11.13								
7935	1.94	0.54	1.02	0.33	0.00	0.00	2.54	6.37								
7940	1.76	0.49	1.02	0.33	0.00	0.00	2.30	5.90								
7950	9.01	2.52	2.54	0.81	0.00	0.00	11.77	26.65								
7955	6.09	1.71	1.70	0.54	0.00	0.00	7.96	18.00								
7970	6.05	1.72	2.48	0.79	0.19	0.03	7.92	19.18								
7975	6.79	1.98	2.88	0.92	0.65	0.10	8.95	22.27								
7980	8.02	2.27	2.88	0.92	0.18	0.03	10.49	24.79								
7985	8.83	2.54	4.24	1.36	0.55	0.08	11.59	29.19								
7990	8.24	2.37	4.24	1.36	0.48	0.07	10.82	27.58								
7995	8.88	2.55	4.24	1.36	0.48	0.07	11.66	29.24								
8000	10.28	2.94	4.24	1.36	0.48	0.07	13.48	32.85								
8005	9.15	2.62	4.24	1.36	0.48	0.07	12.01	29.93								

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
8010	9.93	2.84	4.24	1.36	0.48	0.07	13.03	31.95								
8020	8.82	2.47	4.24	1.36	0.00	0.00	11.52	28.41								
8025	7.06	2.04	2.88	0.92	0.48	0.07	9.28	22.73								
8030	7.51	2.16	4.07	1.30	0.48	0.07	9.86	25.45								
8035	8.56	2.46	4.07	1.30	0.48	0.07	11.24	28.18								
8045	9.14	2.62	3.90	1.25	0.48	0.07	11.99	29.45								
8050	13.40	3.87	6.89	2.20	0.98	0.15	17.62	45.11								
8060	5.65	1.59	2.37	0.76	0.10	0.01	7.39	17.87								
8065	5.59	1.59	2.37	0.76	0.20	0.03	7.33	17.87								
8070	7.51	2.12	2.71	0.87	0.14	0.02	9.83	23.20								
8075	6.46	1.83	2.71	0.87	0.20	0.03	8.46	20.56								
8080	6.13	1.80	2.37	0.76	0.65	0.10	8.09	19.90								
8085	8.38	2.40	2.98	0.96	0.42	0.06	11.00	26.20								
8090	9.72	2.77	4.04	1.29	0.44	0.07	12.75	31.08								
8095	7.71	2.22	4.24	1.36	0.48	0.07	10.13	26.21								
8100	11.40	3.26	4.04	1.29	0.55	0.08	14.95	35.57								
8105	9.88	2.83	4.04	1.29	0.55	0.08	12.97	31.64								
8110	8.35	2.43	4.24	1.36	0.72	0.11	10.99	28.20								
8120	6.31	1.85	2.31	0.74	0.65	0.10	8.32	20.28								
8125	5.74	1.63	2.31	0.74	0.18	0.03	7.52	18.15								
8130	6.74	1.91	2.71	0.87	0.18	0.03	8.83	21.27								
8135	7.20	2.10	2.54	0.81	0.65	0.10	9.49	22.89								
8140	7.37	2.08	2.71	0.87	0.18	0.03	9.65	22.89								
8145	9.58	2.74	3.73	1.19	0.48	0.07	12.57	30.36								
8150	7.93	2.28	3.63	1.16	0.48	0.07	10.41	25.96								
8155	8.59	2.46	3.63	1.16	0.48	0.07	11.27	27.66								
8160	10.99	3.14	3.73	1.19	0.48	0.07	14.42	34.02								
8175	1.15	0.32	0.54	0.17	0.00	0.00	1.51	3.69								
8180	3.05	0.85	1.15	0.37	0.00	0.00	3.99	9.41								
8185	7.20	2.01	2.41	0.77	0.00	0.00	9.40	21.79								
8190	9.66	2.70	4.24	1.36	0.00	0.00	12.62	30.58								
8195	11.67	3.27	5.26	1.68	0.00	0.00	15.24	37.12								
8200	14.10	3.95	6.14	1.96	0.00	0.00	18.42	44.57								
8205	16.35	4.58	6.14	1.96	0.00	0.00	21.36	50.39								
8215	1.11	0.31	0.54	0.17	0.00	0.00	1.44	3.57								
8220	2.54	0.71	1.19	0.38	0.00	0.00	3.32	8.14								
8225	6.61	1.85	2.37	0.76	0.00	0.00	8.63	20.22								
8230	8.80	2.46	3.90	1.25	0.00	0.00	11.49	27.90								
8235	11.74	3.29	4.04	1.29	0.00	0.00	15.34	35.70								
8245	1.14	0.32	0.97	0.31	0.00	0.00	1.49	4.23								
8250	5.90	1.65	1.76	0.56	0.00	0.00	7.71	17.58								
8255	8.79	2.46	2.71	0.87	0.00	0.00	11.48	26.31								
8260	11.13	3.11	5.29	1.69	0.00	0.00	14.53	35.75								
8265	19.75	5.53	8.89	2.84	0.00	0.00	25.80	62.81								
8280	0.81	0.16	0.00	0.50	0.02	0.00	0.78	2.27								
8285	1.02	0.21	0.00	0.50	0.03	0.00	0.98	2.74								
8290	1.32	0.27	0.00	0.75	0.05	0.01	1.27	3.67								
8295	3.43	0.75	0.00	1.50	0.41	0.06	3.33	9.48								
8300	2.65	0.53	1.07	0.26	0.03	0.00	2.54	7.08								
8305	2.96	0.59	1.07	0.26	0.03	0.00	2.83	7.74								
8310	3.36	0.67	1.07	0.26	0.03	0.00	3.22	8.61								
8315	0.48	0.09	0.46	0.11	0.00	0.00	0.46	1.60								
8320	0.15	0.03	0.32	0.08	0.00	0.00	0.15	0.73								
8325	0.24	0.05	0.46	0.11	0.00	0.00	0.23	1.09								
8335	0.23	0.05	0.00	0.50	0.02	0.00	0.22	1.02								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8340	0.47	0.10	0.00	0.50	0.02	0.00	0.45	1.54								
8345	0.71	0.15	0.00	0.75	0.02	0.00	0.69	2.32								
8350	0.89	0.18	0.00	0.75	0.03	0.00	0.86	2.71								
8355	2.92	0.58	1.16	0.28	0.00	0.00	2.80	7.74								
8360	3.72	0.73	1.16	0.28	0.00	0.00	3.56	9.45								
8365	1.05	0.21	0.83	0.20	0.00	0.00	1.00	3.29								
8370	0.21	0.04	0.19	0.04	0.00	0.00	0.20	0.68								
8375	0.17	0.03	0.37	0.09	0.00	0.00	0.16	0.82								
8380	0.21	0.04	0.46	0.11	0.00	0.00	0.20	1.02								
8385	0.22	0.04	0.46	0.11	0.00	0.00	0.21	1.04								
8400	10.71	3.88	4.37	1.75	2.77	0.42	10.38	34.28	13.39	3.97	5.71	2.28	4.61	0.69	13.84	44.49
8405	16.39	5.51	6.24	2.00	5.77	0.87	12.92	49.70	20.48	5.65	8.16	2.61	9.59	1.44	17.39	65.32
8410	20.85	6.95	7.39	2.37	6.62	0.99	15.15	60.32	26.06	7.13	9.72	3.11	11.00	1.65	20.52	79.19
8415	23.36	7.73	8.24	2.64	6.62	0.99	18.37	67.95	29.21	7.92	10.77	3.45	11.00	1.65	24.74	88.74
8420	24.13	7.96	10.66	2.77	8.78	1.32	18.97	74.59	30.16	8.16	13.82	3.59	15.25	2.29	25.53	98.80
8425	25.73	8.46	10.66	2.77	8.78	1.32	20.21	77.93	32.16	8.67	13.82	3.59	15.25	2.29	27.21	102.99
8430	32.08	10.67	10.08	3.23	9.85	1.48	23.31	90.70	40.10	10.94	13.25	4.24	16.36	2.45	31.57	118.91
8435	36.90	12.16	11.23	3.59	9.85	1.48	29.00	104.21	46.12	12.46	14.69	4.70	16.36	2.45	39.04	135.82
8440	39.97	13.11	16.58	4.31	13.06	1.96	31.39	120.38	49.97	13.43	21.50	5.59	22.69	3.40	42.26	158.84
8445	41.82	13.68	16.58	4.31	13.06	1.96	32.83	124.24	52.28	14.01	21.50	5.59	22.69	3.40	44.19	163.66
8450	45.92	15.13	16.58	4.31	16.21	2.43	36.08	136.66	57.39	15.50	21.50	5.59	28.16	4.22	48.58	180.94
8455	42.01	14.01	12.32	3.94	13.36	2.00	30.54	118.18	52.52	14.36	16.19	5.18	22.19	3.33	41.36	155.13
8460	51.97	17.08	22.50	5.85	17.72	2.66	40.83	158.61	64.96	17.51	29.18	7.59	30.78	4.62	54.96	209.60
8465	55.39	18.14	22.50	5.85	17.72	2.66	43.49	165.75	69.24	18.59	29.18	7.59	30.78	4.62	58.55	218.55
8475	14.48	4.80	5.72	1.83	4.27	0.64	11.39	43.13	18.10	4.92	7.47	2.39	7.09	1.06	15.34	56.37
8480	19.03	6.35	7.28	2.33	6.15	0.92	13.83	55.89	23.79	6.51	9.57	3.06	10.21	1.53	18.73	73.40
8485	21.66	7.13	8.11	2.60	5.76	0.86	17.02	63.14	27.07	7.31	10.61	3.39	9.56	1.43	22.91	82.28
8490	23.40	7.67	11.75	3.05	7.64	1.15	18.37	73.03	29.24	7.86	15.24	3.96	13.27	1.99	24.73	96.29
8495	28.13	9.16	11.75	3.05	8.22	1.23	22.07	83.61	35.16	9.39	15.24	3.96	14.28	2.14	29.71	109.88
8505	9.95	3.59	3.12	1.25	2.41	0.36	9.63	30.31	12.44	3.67	4.08	1.63	4.01	0.60	12.84	39.27
8510	20.31	6.79	7.30	2.34	6.62	0.99	14.77	59.12	25.39	6.96	9.60	3.07	11.00	1.65	20.00	77.67
8515	24.14	7.97	12.10	3.15	8.78	1.32	18.98	76.44	30.18	8.17	15.70	4.08	15.25	2.29	25.55	101.22
8520	22.90	7.59	8.14	2.60	6.62	0.99	18.02	66.86	28.63	7.77	10.64	3.41	11.00	1.65	24.25	87.35
8530	9.93	3.58	4.37	1.75	2.41	0.36	9.62	32.02	12.42	3.67	5.71	2.28	4.01	0.60	12.82	41.51
8535	14.18	4.71	6.24	2.00	4.27	0.64	11.16	43.20	17.72	4.83	8.16	2.61	7.09	1.06	15.02	56.49
8545	15.68	5.27	5.99	1.92	5.50	0.83	12.36	47.55	19.60	5.40	7.83	2.51	9.15	1.37	16.64	62.50
8550	24.29	8.42	6.94	2.22	12.42	1.86	17.77	73.92	30.36	8.63	9.13	2.92	20.85	3.13	24.06	99.08
8555	25.63	8.83	7.74	2.48	12.42	1.86	20.29	79.25	32.03	9.05	10.12	3.24	20.85	3.13	27.32	105.74
8560	30.35	10.36	9.45	3.02	13.02	1.95	22.15	90.30	37.94	10.62	12.42	3.98	21.76	3.26	29.99	119.97
8565	31.35	10.67	10.53	3.37	13.02	1.95	24.77	95.66	39.19	10.93	13.77	4.41	21.76	3.26	33.34	126.66
8570	35.85	12.29	10.80	3.45	16.96	2.54	26.18	108.07	44.81	12.59	14.19	4.54	28.59	4.29	35.45	144.46
8575	36.84	12.60	12.03	3.85	16.96	2.54	29.13	113.95	46.05	12.91	15.73	5.03	28.59	4.29	39.22	151.82
8580	38.70	13.20	12.03	3.85	17.21	2.58	30.59	118.16	48.37	13.52	15.73	5.03	28.98	4.35	41.18	157.16
8585	37.11	12.71	10.80	3.45	17.21	2.58	27.09	110.95	46.38	13.02	14.19	4.54	28.98	4.35	36.69	148.15
8590	38.55	13.24	12.32	3.94	18.87	2.83	28.16	117.91	48.19	13.56	16.19	5.18	31.92	4.79	38.13	157.96
8595	39.81	13.66	12.32	3.94	19.13	2.87	29.07	120.80	49.76	13.99	16.19	5.18	32.30	4.85	39.37	161.64
8600	44.02	14.95	12.32	3.94	19.13	2.87	32.10	129.33	55.03	15.32	16.19	5.18	32.30	4.85	43.47	172.34
8605	41.40	14.15	13.73	4.39	19.13	2.87	32.74	128.41	51.75	14.50	17.95	5.74	32.30	4.85	44.07	171.16
8610	42.37	14.44	13.78	4.41	19.13	2.87	30.91	127.91	52.96	14.80	18.11	5.79	32.30	4.85	41.86	170.67
8615	45.86	15.74	13.78	4.41	21.00	3.15	33.50	137.44	57.33	16.13	18.11	5.79	35.14	5.27	45.36	183.13
8625	32.97	11.07	10.75	3.44	11.35	1.70	23.99	95.27	41.22	11.34	14.13	4.52	18.85	2.83	32.49	125.38
8630	21.71	7.15	6.82	1.77	7.66	1.15	17.06	63.32	27.14	7.33	8.85	2.30	13.30	2.00	22.97	83.89
8635	35.62	11.74	14.66	3.81	12.69	1.90	27.99	108.41	44.52	12.03	19.02	4.94	22.05	3.31	37.69	143.56
8640	43.85	14.42	17.52	4.56	15.05	2.26	34.45	132.11	54.81	14.78	22.73	5.91	26.14	3.92	46.38	174.67
8655	3.53	1.63	0.00	1.00	1.58	0.24	3.24	11.22	4.23	1.65	0.00	1.00	2.06	0.31	4.17	13.42

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
8660	4.70	2.22	0.00	1.25	2.45	0.37	4.34	15.33	5.64	2.26	0.00	1.25	3.20	0.48	5.59	18.42
8665	5.50	2.60	0.00	1.50	2.85	0.43	5.09	17.97	6.61	2.64	0.00	1.50	3.72	0.56	6.54	21.57
8675	4.59	2.05	0.00	1.50	1.52	0.23	4.18	14.07	5.50	2.08	0.00	1.50	1.98	0.30	5.38	16.74
8680	5.81	2.71	0.00	1.50	2.72	0.41	5.35	18.50	6.97	2.75	0.00	1.50	3.56	0.53	6.88	22.19
8690	2.11	0.98	0.00	0.50	0.93	0.14	1.95	6.61	2.54	1.00	0.00	0.50	1.22	0.18	2.50	7.94
8705	7.58	2.63	3.79	1.06	0.81	0.12	7.28	23.27	9.47	2.69	4.96	1.39	1.38	0.21	10.31	30.41
8710	12.14	4.27	7.59	2.12	1.99	0.30	11.69	40.10	15.18	4.36	9.92	2.78	3.42	0.51	16.55	52.72
8720	11.94	4.10	8.36	2.34	0.45	0.07	11.43	38.69	14.93	4.19	10.93	3.06	0.74	0.11	16.20	50.16
8735	3.25	1.22	1.65	0.60	0.00	0.00	4.86	11.58	4.06	1.24	2.18	0.78	0.00	0.00	6.62	14.88
8740	4.68	1.75	2.05	0.74	0.00	0.00	6.99	16.21	5.85	1.79	2.70	0.97	0.00	0.00	9.53	20.84
8745	6.72	2.52	2.89	1.04	0.00	0.00	10.03	23.20	8.40	2.57	3.80	1.37	0.00	0.00	13.68	29.82
8750	9.37	3.51	3.67	1.32	0.00	0.00	14.00	31.87	11.72	3.58	4.84	1.74	0.00	0.00	19.10	40.98
8760	2.84	1.07	1.71	0.61	0.00	0.00	4.25	10.48	3.55	1.09	2.25	0.81	0.00	0.00	5.79	13.49
8765	3.24	1.21	1.71	0.61	0.00	0.00	4.83	11.60	4.05	1.24	2.25	0.81	0.00	0.00	6.59	14.94
8770	0.64	0.22	0.00	0.08	0.00	0.00	0.65	1.59	0.80	0.22	0.00	0.08	0.00	0.00	0.92	2.02
8775	0.46	0.16	0.00	0.08	0.00	0.00	0.47	1.17	0.58	0.16	0.00	0.08	0.00	0.00	0.66	1.48
8780	4.31	1.61	2.10	0.76	0.00	0.00	6.44	15.22	5.39	1.65	2.76	1.00	0.00	0.00	8.78	19.58
8785	4.87	1.83	2.10	0.76	0.00	0.00	7.28	16.84	6.09	1.86	2.76	1.00	0.00	0.00	9.93	21.64
8790	0.67	0.23	0.00	0.08	0.00	0.00	0.68	1.66	0.83	0.23	0.00	0.08	0.00	0.00	0.95	2.09
8795	0.85	0.29	0.00	0.08	0.00	0.00	0.86	2.08	1.06	0.29	0.00	0.08	0.00	0.00	1.21	2.64
8800	0.90	0.31	0.00	0.08	0.00	0.00	0.92	2.21	1.13	0.31	0.00	0.08	0.00	0.00	1.29	2.81
8805	6.29	2.36	2.76	0.99	0.00	0.00	9.40	21.80	7.86	2.41	3.63	1.31	0.00	0.00	12.81	28.02
8810	7.16	2.68	2.76	0.99	0.00	0.00	10.70	24.29	8.95	2.74	3.63	1.31	0.00	0.00	14.59	31.22
8815	0.92	0.31	0.00	0.08	0.00	0.00	0.93	2.24	1.15	0.32	0.00	0.08	0.00	0.00	1.31	2.86
8820	1.18	0.40	0.00	0.08	0.00	0.00	1.20	2.86	1.48	0.41	0.00	0.08	0.00	0.00	1.69	3.66
8825	1.25	0.42	0.00	0.08	0.00	0.00	1.27	3.02	1.57	0.43	0.00	0.08	0.00	0.00	1.79	3.87
8830	8.66	3.24	3.67	1.32	0.00	0.00	12.93	29.82	10.82	3.31	4.84	1.74	0.00	0.00	17.64	38.35
8835	9.99	3.74	3.67	1.32	0.00	0.00	14.92	33.64	12.49	3.82	4.84	1.74	0.00	0.00	20.35	43.24
8840	1.22	0.41	0.00	0.08	0.00	0.00	1.24	2.95	1.52	0.42	0.00	0.08	0.00	0.00	1.74	3.76
8845	1.52	0.51	0.00	0.08	0.00	0.00	1.54	3.65	1.89	0.53	0.00	0.08	0.00	0.00	2.17	4.67
8850	1.36	0.46	0.00	0.08	0.00	0.00	1.38	3.28	1.70	0.47	0.00	0.08	0.00	0.00	1.94	4.19
8855	12.64	4.74	5.25	1.89	0.00	0.00	18.89	43.41	15.80	4.83	6.91	2.49	0.00	0.00	25.75	55.78
8860	14.67	5.50	5.25	1.89	0.00	0.00	21.92	49.23	18.34	5.61	6.91	2.49	0.00	0.00	29.89	63.24
8865	1.75	0.59	0.00	0.08	0.00	0.00	1.78	4.20	2.19	0.61	0.00	0.08	0.00	0.00	2.50	5.38
8870	1.92	0.65	0.00	0.08	0.00	0.00	1.95	4.60	2.39	0.66	0.00	0.08	0.00	0.00	2.74	5.87
8875	1.74	0.59	0.00	0.08	0.00	0.00	1.77	4.18	2.17	0.60	0.00	0.08	0.00	0.00	2.48	5.33
8880	1.58	0.53	0.00	0.10	0.00	0.00	1.60	3.81	1.97	0.55	0.00	0.10	0.00	0.00	2.25	4.87
8885	20.52	6.96	8.79	2.46	0.00	0.00	23.46	62.19	25.65	7.12	11.58	3.24	0.00	0.00	32.58	80.17
8890	2.67	0.91	0.00	0.12	0.00	0.00	2.71	6.41	3.34	0.93	0.00	0.12	0.00	0.00	3.81	8.20
8895	2.94	1.00	0.00	0.13	0.00	0.00	2.99	7.06	3.68	1.02	0.00	0.13	0.00	0.00	4.20	9.03
8900	2.75	0.93	0.00	0.13	0.00	0.00	2.80	6.61	3.44	0.95	0.00	0.13	0.00	0.00	3.93	8.45
8905	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
8910	2.04	0.69	0.00	0.15	0.00	0.00	2.07	4.95	2.55	0.71	0.00	0.15	0.00	0.00	2.91	6.32
8915	24.33	8.85	12.07	2.90	0.00	0.00	26.12	74.27	29.19	8.99	15.90	3.82	0.00	0.00	34.82	92.72
8920	3.51	1.19	0.00	0.18	0.00	0.00	3.56	8.44	4.38	1.22	0.00	0.18	0.00	0.00	5.01	10.79
8925	3.70	1.26	0.00	0.19	0.00	0.00	3.76	8.91	4.63	1.28	0.00	0.19	0.00	0.00	5.29	11.39
8930	3.09	1.05	0.00	0.16	0.00	0.00	3.14	7.44	3.86	1.07	0.00	0.16	0.00	0.00	4.41	9.50
8935	0.91	0.31	0.00	0.12	0.00	0.00	0.93	2.27	1.14	0.32	0.00	0.12	0.00	0.00	1.31	2.89
8940	0.10	0.03	0.00	0.08	0.00	0.00	0.10	0.31	0.12	0.03	0.00	0.08	0.00	0.00	0.14	0.37
8945	2.20	0.75	0.00	0.20	0.00	0.00	2.24	5.39	2.76	0.76	0.00	0.20	0.00	0.00	3.15	6.87
8950	40.93	14.88	18.37	4.41	0.00	0.00	43.93	122.52	49.11	15.13	24.19	5.81	0.00	0.00	58.58	152.82
8955	5.50	1.87	0.00	0.28	0.00	0.00	5.59	13.24	6.88	1.91	0.00	0.28	0.00	0.00	7.86	16.93
8960	6.05	2.05	0.00	0.29	0.00	0.00	6.15	14.54	7.56	2.10	0.00	0.29	0.00	0.00	8.65	18.60
8965	0.11	0.04	0.00	0.08	0.00	0.00	0.12	0.35	0.14	0.04	0.00	0.08	0.00	0.00	0.16	0.42
8970	3.94	1.34	0.00	0.20	0.00	0.00	4.01	9.49	4.93	1.37	0.00	0.20	0.00	0.00	5.64	12.14

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
8980	3.38	1.27	1.65	0.60	0.00	0.00	5.05	11.95	4.23	1.29	2.18	0.78	0.00	0.00	6.89	15.37
8985	4.05	1.52	2.05	0.74	0.00	0.00	6.05	14.41	5.06	1.55	2.70	0.97	0.00	0.00	8.25	18.53
8990	4.35	1.63	2.31	0.83	0.00	0.00	6.49	15.61	5.43	1.66	3.04	1.09	0.00	0.00	8.85	20.07
8995	0.72	0.24	0.00	0.08	0.00	0.00	0.73	1.77	0.90	0.25	0.00	0.08	0.00	0.00	1.03	2.26
9000	0.72	0.24	0.00	0.05	0.00	0.00	0.73	1.74	0.90	0.25	0.00	0.05	0.00	0.00	1.03	2.23
9005	5.80	2.17	2.81	1.01	0.00	0.00	8.67	20.46	7.26	2.22	3.70	1.33	0.00	0.00	11.82	26.33
9010	6.07	2.28	3.20	1.15	0.00	0.00	9.07	21.77	7.59	2.32	4.22	1.52	0.00	0.00	12.37	28.02
9015	0.80	0.27	0.00	0.08	0.00	0.00	0.82	1.97	1.00	0.28	0.00	0.08	0.00	0.00	1.15	2.51
9020	0.98	0.33	0.00	0.05	0.00	0.00	1.00	2.36	1.23	0.34	0.00	0.05	0.00	0.00	1.40	3.02
9025	8.11	3.04	3.94	1.42	0.00	0.00	12.11	28.62	10.14	3.10	5.18	1.87	0.00	0.00	16.52	36.81
9030	1.23	0.42	0.00	0.08	0.00	0.00	1.25	2.98	1.54	0.43	0.00	0.08	0.00	0.00	1.76	3.81
9035	1.23	0.42	0.00	0.05	0.00	0.00	1.25	2.95	1.53	0.43	0.00	0.05	0.00	0.00	1.75	3.76
9040	12.15	4.55	5.85	2.11	0.00	0.00	18.15	42.81	15.19	4.65	7.71	2.77	0.00	0.00	24.75	55.07
9045	1.31	0.44	0.00	0.08	0.00	0.00	1.33	3.16	1.64	0.45	0.00	0.08	0.00	0.00	1.87	4.04
9050	1.38	0.47	0.00	0.08	0.00	0.00	1.40	3.33	1.72	0.48	0.00	0.08	0.00	0.00	1.97	4.25
9055	1.87	0.63	0.00	0.05	0.00	0.00	1.90	4.45	2.33	0.65	0.00	0.05	0.00	0.00	2.67	5.70
9060	19.47	6.61	7.87	2.20	0.00	0.00	22.26	58.41	24.34	6.76	10.37	2.90	0.00	0.00	30.92	75.29
9065	2.60	0.88	0.00	0.12	0.00	0.00	2.64	6.24	3.25	0.90	0.00	0.12	0.00	0.00	3.72	7.99
9070	2.64	0.89	0.00	0.10	0.00	0.00	2.68	6.31	3.30	0.92	0.00	0.10	0.00	0.00	3.77	8.09
9075	24.94	9.07	11.94	2.87	0.00	0.00	26.78	75.60	29.93	9.22	15.72	3.77	0.00	0.00	35.70	94.34
9080	3.93	1.33	0.00	0.22	0.00	0.00	4.00	9.48	4.92	1.36	0.00	0.22	0.00	0.00	5.62	12.12
9085	4.02	1.36	0.00	0.25	0.00	0.00	4.09	9.72	5.03	1.40	0.00	0.25	0.00	0.00	5.75	12.43
9090	2.51	0.85	0.00	0.12	0.00	0.00	2.55	6.03	3.14	0.87	0.00	0.12	0.00	0.00	3.59	7.72
9095	33.55	12.20	13.78	3.31	0.00	0.00	36.02	98.86	40.26	12.40	18.14	4.35	0.00	0.00	48.02	123.17
9100	4.53	1.54	0.00	0.26	0.00	0.00	4.60	10.93	5.66	1.57	0.00	0.26	0.00	0.00	6.47	13.96
9105	5.18	1.76	0.00	0.25	0.00	0.00	5.26	12.45	6.47	1.80	0.00	0.25	0.00	0.00	7.40	15.92
9110	2.89	0.98	0.00	0.12	0.00	0.00	2.94	6.93	3.62	1.00	0.00	0.12	0.00	0.00	4.13	8.87
9120	3.68	1.38	1.71	0.61	0.00	0.00	5.49	12.87	4.60	1.41	2.25	0.81	0.00	0.00	7.49	16.56
9125	4.70	1.76	2.05	0.74	0.00	0.00	7.02	16.27	5.87	1.80	2.70	0.97	0.00	0.00	9.57	20.91
9130	7.03	2.63	2.89	1.04	0.00	0.00	10.50	24.09	8.79	2.69	3.80	1.37	0.00	0.00	14.32	30.97
9135	8.66	3.25	3.67	1.32	0.00	0.00	12.94	29.84	10.83	3.31	4.84	1.74	0.00	0.00	17.65	38.37
9140	1.00	0.34	0.00	0.05	0.00	0.00	1.02	2.41	1.25	0.35	0.00	0.05	0.00	0.00	1.43	3.08
9145	1.13	0.38	0.00	0.05	0.00	0.00	1.15	2.71	1.41	0.39	0.00	0.05	0.00	0.00	1.62	3.47
9150	13.40	5.02	5.51	1.98	0.00	0.00	20.01	45.92	16.75	5.12	7.26	2.61	0.00	0.00	27.29	59.03
9155	1.77	0.60	0.00	0.05	0.00	0.00	1.80	4.22	2.22	0.62	0.00	0.05	0.00	0.00	2.54	5.43
9160	1.20	0.41	0.00	0.05	0.00	0.00	1.22	2.88	1.50	0.42	0.00	0.05	0.00	0.00	1.71	3.68
9165	18.38	6.23	8.40	2.35	0.00	0.00	21.01	56.37	22.97	6.37	11.06	3.10	0.00	0.00	29.18	72.68
9170	2.19	0.74	0.00	0.10	0.00	0.00	2.22	5.25	2.73	0.76	0.00	0.10	0.00	0.00	3.12	6.71
9175	1.81	0.61	0.00	0.12	0.00	0.00	1.83	4.37	2.26	0.63	0.00	0.12	0.00	0.00	2.58	5.59
9180	0.76	0.26	0.00	0.08	0.00	0.00	0.77	1.87	0.95	0.26	0.00	0.08	0.00	0.00	1.08	2.37
9185	0.44	0.15	0.00	0.13	0.00	0.00	0.45	1.17	0.55	0.15	0.00	0.13	0.00	0.00	0.63	1.46
9190	0.07	0.02	0.00	0.08	0.00	0.00	0.07	0.24	0.09	0.02	0.00	0.08	0.00	0.00	0.10	0.29
9200	2.61	0.98	1.10	0.40	0.00	0.00	3.90	8.99	3.27	1.00	1.45	0.52	0.00	0.00	5.32	11.56
9205	3.45	1.29	1.84	0.66	0.00	0.00	5.16	12.40	4.32	1.32	2.42	0.87	0.00	0.00	7.03	15.96
9210	4.08	1.53	2.05	0.74	0.00	0.00	6.10	14.50	5.10	1.56	2.70	0.97	0.00	0.00	8.32	18.65
9215	6.34	2.38	3.15	1.13	0.00	0.00	9.47	22.47	7.92	2.42	4.15	1.49	0.00	0.00	12.91	28.89
9220	6.62	2.48	3.15	1.13	0.00	0.00	9.89	23.27	8.27	2.53	4.15	1.49	0.00	0.00	13.48	29.92
9225	8.48	3.18	4.33	1.56	0.00	0.00	12.67	30.22	10.60	3.24	5.70	2.05	0.00	0.00	17.27	38.86
9230	9.47	3.55	4.33	1.56	0.00	0.00	14.15	33.06	11.84	3.62	5.70	2.05	0.00	0.00	19.29	42.50
9240	2.98	1.12	1.73	0.62	0.00	0.00	4.45	10.90	3.73	1.14	2.28	0.82	0.00	0.00	6.07	14.04
9245	0.52	0.18	0.00	0.15	0.00	0.00	0.52	1.37	0.65	0.18	0.00	0.15	0.00	0.00	0.74	1.72
9250	4.49	1.68	2.36	0.85	0.00	0.00	6.71	16.09	5.62	1.72	3.11	1.12	0.00	0.00	9.15	20.72
9255	0.56	0.19	0.00	0.15	0.00	0.00	0.57	1.47	0.70	0.19	0.00	0.15	0.00	0.00	0.80	1.84
9260	6.92	2.59	3.25	1.17	0.00	0.00	10.34	24.27	8.65	2.65	4.29	1.54	0.00	0.00	14.10	31.23
9265	0.62	0.21	0.00	0.15	0.00	0.00	0.63	1.61	0.77	0.21	0.00	0.15	0.00	0.00	0.88	2.01

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
9270	9.72	3.64	4.33	1.56	0.00	0.00	14.53	33.78	12.16	3.72	5.70	2.05	0.00	0.00	19.81	43.44
9275	0.80	0.27	0.00	0.15	0.00	0.00	0.82	2.04	1.00	0.28	0.00	0.15	0.00	0.00	1.15	2.58
9280	13.65	5.11	5.77	2.08	0.00	0.00	20.38	46.99	17.06	5.22	7.60	2.74	0.00	0.00	27.80	60.42
9285	1.26	0.43	0.00	0.18	0.00	0.00	1.28	3.15	1.57	0.44	0.00	0.18	0.00	0.00	1.80	3.99
9290	1.34	0.46	0.00	0.20	0.00	0.00	1.36	3.36	1.68	0.47	0.00	0.20	0.00	0.00	1.92	4.27
9295	20.38	6.92	8.40	2.35	0.00	0.00	23.30	61.35	25.48	7.07	11.06	3.10	0.00	0.00	32.36	79.07
9300	1.73	0.59	0.00	0.34	0.00	0.00	1.75	4.41	2.16	0.60	0.00	0.34	0.00	0.00	2.47	5.57
9305	1.82	0.62	0.00	0.34	0.00	0.00	1.85	4.63	2.28	0.63	0.00	0.34	0.00	0.00	2.60	5.85
9310	26.17	8.88	10.76	3.01	0.00	0.00	29.91	78.73	32.71	9.08	14.17	3.97	0.00	0.00	41.55	101.48
9315	2.35	0.80	0.00	0.40	0.00	0.00	2.38	5.93	2.93	0.81	0.00	0.40	0.00	0.00	3.35	7.49
9320	2.14	0.72	0.00	0.58	0.00	0.00	2.17	5.61	2.67	0.74	0.00	0.58	0.00	0.00	3.05	7.04
9325	37.65	13.69	16.27	3.90	0.00	0.00	40.41	111.92	45.17	13.92	21.43	5.14	0.00	0.00	53.88	139.54
9330	5.64	1.91	0.00	0.64	0.00	0.00	5.73	13.92	7.05	1.96	0.00	0.64	0.00	0.00	8.06	17.71
9335	5.30	1.80	0.00	0.61	0.00	0.00	5.39	13.10	6.63	1.84	0.00	0.61	0.00	0.00	7.57	16.65
9340	4.96	1.68	0.00	0.59	0.00	0.00	5.04	12.27	6.20	1.72	0.00	0.59	0.00	0.00	7.09	15.60
9350	11.89	4.46	5.38	1.94	0.00	0.00	17.76	41.43	14.86	4.55	7.08	2.55	0.00	0.00	24.22	53.26
9355	1.24	0.42	0.00	0.05	0.00	0.00	1.26	2.97	1.56	0.43	0.00	0.05	0.00	0.00	1.78	3.82
9360	1.39	0.47	0.00	0.05	0.00	0.00	1.42	3.33	1.74	0.48	0.00	0.05	0.00	0.00	1.99	4.26
9365	1.43	0.48	0.00	0.05	0.00	0.00	1.45	3.41	1.78	0.50	0.00	0.05	0.00	0.00	2.04	4.37
9370	14.82	5.03	6.82	1.91	0.00	0.00	16.94	45.52	18.53	5.14	8.99	2.52	0.00	0.00	23.53	58.71
9375	1.76	0.60	0.00	0.05	0.00	0.00	1.79	4.20	2.20	0.61	0.00	0.05	0.00	0.00	2.51	5.37
9380	2.31	0.78	0.00	0.05	0.00	0.00	2.35	5.49	2.89	0.80	0.00	0.05	0.00	0.00	3.30	7.04
9385	1.92	0.65	0.00	0.05	0.00	0.00	1.95	4.57	2.40	0.67	0.00	0.05	0.00	0.00	2.75	5.87
9390	19.77	6.71	9.18	2.57	0.00	0.00	22.59	60.82	24.71	6.86	12.10	3.39	0.00	0.00	31.38	78.44
9395	2.30	0.78	0.00	0.12	0.00	0.00	2.34	5.54	2.87	0.80	0.00	0.12	0.00	0.00	3.29	7.08
9400	2.52	0.86	0.00	0.13	0.00	0.00	2.56	6.07	3.15	0.87	0.00	0.13	0.00	0.00	3.60	7.75
9405	2.20	0.75	0.00	0.11	0.00	0.00	2.24	5.30	2.75	0.76	0.00	0.11	0.00	0.00	3.15	6.77
9410	0.09	0.03	0.00	0.05	0.00	0.00	0.09	0.26	0.12	0.03	0.00	0.05	0.00	0.00	0.13	0.33
9415	0.59	0.20	0.00	0.11	0.00	0.00	0.60	1.50	0.74	0.20	0.00	0.11	0.00	0.00	0.84	1.89
9430	13.35	4.31	5.11	1.43	2.46	0.37	9.65	36.68	16.68	4.42	6.72	1.88	5.16	0.77	13.06	48.69
9435	18.71	6.26	7.54	2.11	6.12	0.92	13.60	55.26	23.39	6.41	9.92	2.78	12.82	1.92	18.42	75.66
9440	27.35	9.25	10.94	3.06	7.32	1.10	19.92	78.94	34.18	9.48	14.40	4.03	15.34	2.30	26.97	106.70
9450	19.82	6.66	7.34	2.06	6.90	1.04	14.42	58.24	24.77	6.83	9.66	2.71	14.46	2.17	19.53	80.13
9455	33.36	11.28	13.91	3.90	8.92	1.34	24.29	97.00	41.70	11.56	18.30	5.13	18.68	2.80	32.90	131.07
9470	1.57	0.51	1.51	0.42	0.24	0.04	1.14	5.43	1.97	0.52	1.98	0.56	0.49	0.07	1.54	7.13
9475	1.27	0.42	1.22	0.34	0.30	0.04	0.92	4.51	1.58	0.43	1.60	0.45	0.62	0.09	1.24	6.01
9480	1.39	0.46	1.51	0.42	0.32	0.05	1.01	5.16	1.74	0.47	1.98	0.56	0.66	0.10	1.37	6.88
9485	1.73	0.56	2.02	0.57	0.29	0.04	1.25	6.46	2.17	0.57	2.66	0.74	0.61	0.09	1.70	8.54
9500	0.25	0.09	0.45	0.13	0.04	0.01	0.30	1.27	0.31	0.09	0.59	0.16	0.05	0.01	0.41	1.62
9505	1.07	0.37	0.90	0.25	0.05	0.01	1.25	3.90	1.34	0.38	1.18	0.33	0.07	0.01	1.74	5.05
9510	1.49	0.52	1.40	0.39	0.07	0.01	1.74	5.62	1.86	0.53	1.83	0.51	0.10	0.02	2.42	7.27
9515	2.68	0.94	1.56	0.44	0.21	0.03	3.14	9.00	3.35	0.97	2.05	0.57	0.30	0.05	4.37	11.66
9520	5.53	1.93	2.55	0.72	0.34	0.05	6.47	17.59	6.92	1.98	3.36	0.94	0.49	0.07	8.99	22.75
9530	1.83	0.64	0.58	0.16	0.07	0.01	2.14	5.43	2.29	0.65	0.77	0.22	0.10	0.02	2.97	7.02
9535	3.57	1.25	1.07	0.30	0.21	0.03	4.18	10.61	4.46	1.28	1.41	0.39	0.30	0.05	5.80	13.69
9540	3.96	1.38	1.34	0.37	0.21	0.03	4.63	11.92	4.95	1.41	1.76	0.49	0.30	0.05	6.43	15.39
9545	6.39	2.18	2.75	0.77	0.00	0.00	7.44	19.53	7.99	2.23	3.62	1.01	0.00	0.00	10.33	25.18
9550	12.57	4.29	4.26	1.19	0.00	0.00	14.64	36.95	15.71	4.38	5.60	1.57	0.00	0.00	20.33	47.59
9565	11.34	3.87	2.43	0.68	0.00	0.00	13.20	31.52	14.17	3.96	3.20	0.90	0.00	0.00	18.34	40.57
9570	16.47	5.62	3.89	1.09	0.00	0.00	19.18	46.25	20.59	5.75	5.12	1.43	0.00	0.00	26.63	59.52
9575	21.65	7.39	3.89	1.09	0.00	0.00	25.20	59.22	27.06	7.55	5.12	1.43	0.00	0.00	35.01	76.17
9585	8.18	2.79	1.63	0.46	0.00	0.00	9.52	22.58	10.22	2.85	2.14	0.60	0.00	0.00	13.23	29.04
9590	8.84	3.02	1.63	0.46	0.00	0.00	10.29	24.24	11.05	3.08	2.14	0.60	0.00	0.00	14.29	31.16
9595	9.15	3.12	1.63	0.46	0.00	0.00	10.65	25.01	11.44	3.19	2.14	0.60	0.00	0.00	14.79	32.16
9600	11.42	3.90	2.48	0.69	0.00	0.00	13.30	31.79	14.27	3.98	3.26	0.91	0.00	0.00	18.47	40.89

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
9605	21.32	7.27	4.26	1.19	0.00	0.00	24.82	58.86	26.65	7.44	5.60	1.57	0.00	0.00	34.48	75.74
9620	1.00	0.26	1.56	0.44	0.13	0.02	1.08	4.49	1.20	0.26	2.08	0.58	0.16	0.02	1.48	5.78
9625	1.25	0.32	1.56	0.44	0.15	0.02	1.35	5.09	1.50	0.33	2.08	0.58	0.20	0.03	1.85	6.57
9630	1.09	0.28	1.56	0.44	0.17	0.03	1.18	4.75	1.31	0.29	2.08	0.58	0.21	0.03	1.62	6.12
9635	1.29	0.33	1.56	0.44	0.20	0.03	1.40	5.25	1.55	0.34	2.08	0.58	0.26	0.04	1.92	6.77
9640	1.14	0.30	1.56	0.44	0.27	0.04	1.24	4.99	1.37	0.31	2.08	0.58	0.34	0.05	1.71	6.44
9645	1.47	0.51	4.10	1.23	0.45	0.07	1.38	9.21	1.96	0.53	5.27	1.58	0.57	0.09	2.15	12.15
9650	2.09	0.71	2.82	0.73	0.45	0.07	1.95	8.82	2.79	0.74	3.66	0.95	0.57	0.09	3.04	11.84
9655	1.73	0.60	4.71	1.41	0.45	0.07	1.61	10.58	2.30	0.62	6.05	1.82	0.57	0.09	2.51	13.96
9660	2.38	0.81	2.82	0.73	0.45	0.07	2.22	9.48	3.18	0.83	3.66	0.95	0.57	0.09	3.45	12.73
9665	1.90	0.66	4.71	1.41	0.52	0.08	1.78	11.06	2.53	0.68	6.05	1.82	0.66	0.10	2.76	14.60
9670	2.38	0.85	2.82	0.73	0.89	0.13	2.24	10.04	3.17	0.87	3.66	0.95	1.14	0.17	3.49	13.45
9675	3.19	0.99	8.81	2.82	0.91	0.14	2.76	19.62	4.25	1.03	11.36	3.63	1.17	0.18	4.29	25.91
9680	4.42	1.36	4.57	1.28	1.11	0.17	3.81	16.72	5.89	1.41	5.94	1.66	1.44	0.22	5.93	22.49
9685	4.63	1.43	4.57	1.28	1.15	0.17	3.99	17.22	6.17	1.48	5.94	1.66	1.48	0.22	6.21	23.16
9690	4.36	1.35	4.57	1.28	1.15	0.17	3.76	16.64	5.81	1.40	5.94	1.66	1.48	0.22	5.85	22.36
9695	5.14	1.57	4.57	1.28	1.15	0.17	4.43	18.31	6.85	1.63	5.94	1.66	1.48	0.22	6.89	24.67
9700	6.76	2.07	6.24	1.75	1.56	0.23	5.82	24.43	9.01	2.15	8.11	2.27	2.02	0.30	9.06	32.92
9705	7.17	2.20	6.24	1.75	1.67	0.25	6.18	25.46	9.56	2.28	8.11	2.27	2.15	0.32	9.61	34.30
9710	6.77	2.09	6.24	1.75	1.67	0.25	5.84	24.61	9.03	2.16	8.11	2.27	2.15	0.32	9.09	33.13
9715	6.74	2.05	7.46	2.09	1.39	0.21	5.80	25.74	8.99	2.13	9.70	2.72	1.80	0.27	9.02	34.63
9725	0.99	0.26	1.88	0.53	0.14	0.02	1.07	4.89	1.19	0.26	2.51	0.70	0.18	0.03	1.47	6.34
9730	1.29	0.33	1.88	0.53	0.14	0.02	1.40	5.59	1.55	0.34	2.51	0.70	0.18	0.03	1.91	7.22
9735	1.43	0.37	1.88	0.53	0.16	0.02	1.54	5.93	1.72	0.37	2.51	0.70	0.21	0.03	2.11	7.65
9740	1.19	0.31	1.88	0.53	0.14	0.02	1.29	5.36	1.43	0.31	2.51	0.70	0.18	0.03	1.76	6.92
9745	1.40	0.36	1.88	0.53	0.17	0.03	1.50	5.87	1.67	0.37	2.51	0.70	0.22	0.03	2.06	7.56
9750	1.30	0.34	1.82	0.51	0.28	0.04	1.42	5.71	1.56	0.35	2.43	0.68	0.35	0.05	1.94	7.36
9755	1.35	0.47	4.28	1.28	0.45	0.07	1.27	9.17	1.79	0.49	5.51	1.65	0.57	0.09	1.97	12.07
9760	1.47	0.52	4.28	1.28	0.45	0.07	1.38	9.45	1.96	0.53	5.51	1.65	0.57	0.09	2.15	12.46
9765	2.15	0.73	2.87	0.75	0.45	0.07	2.00	9.02	2.86	0.75	3.73	0.97	0.57	0.09	3.11	12.08
9770	1.55	0.55	4.76	1.43	0.52	0.08	1.46	10.35	2.07	0.56	6.12	1.84	0.66	0.10	2.27	13.62
9775	3.21	1.09	3.91	1.02	0.65	0.10	2.99	12.97	4.29	1.13	5.09	1.32	0.83	0.12	4.65	17.43
9780	2.97	0.95	8.18	2.62	1.14	0.17	2.59	18.62	3.96	0.98	10.54	3.37	1.47	0.22	4.03	24.57
9785	3.64	1.14	5.35	1.50	1.14	0.17	3.16	16.10	4.86	1.18	6.96	1.95	1.47	0.22	4.91	21.55
9790	4.29	1.31	6.13	1.72	0.90	0.13	3.69	18.17	5.72	1.36	7.97	2.23	1.15	0.17	5.75	24.35
9795	4.79	1.47	5.48	1.53	1.14	0.17	4.13	18.71	6.39	1.52	7.13	2.00	1.47	0.22	6.43	25.16
9800	4.42	1.50	4.00	1.04	0.89	0.13	4.11	16.09	5.89	1.55	5.20	1.35	1.12	0.17	6.40	21.68
9805	5.64	1.71	7.83	2.19	1.14	0.17	4.85	23.53	7.52	1.78	10.18	2.85	1.47	0.22	7.54	31.56
9810	5.73	1.78	8.01	2.24	1.48	0.22	4.95	24.41	7.64	1.84	10.42	2.92	1.88	0.28	7.70	32.68
9815	6.72	2.07	8.01	2.24	1.64	0.25	5.80	26.73	8.96	2.15	10.42	2.92	2.09	0.31	9.02	35.87
9825	1.60	0.54	2.70	0.70	0.33	0.05	1.49	7.41	2.14	0.56	3.51	0.91	0.41	0.06	2.32	9.91
9830	1.42	0.49	3.91	1.17	0.33	0.05	1.32	8.69	1.89	0.50	5.03	1.51	0.41	0.06	2.06	11.46
9835	2.09	0.70	2.87	0.75	0.33	0.05	1.94	8.73	2.79	0.72	3.73	0.97	0.41	0.06	3.01	11.69
9840	2.62	0.88	3.13	0.81	0.45	0.07	2.44	10.40	3.50	0.91	4.07	1.06	0.57	0.09	3.79	13.99
9845	4.43	1.37	5.48	1.53	1.14	0.17	3.82	17.94	5.91	1.42	7.13	2.00	1.47	0.22	5.95	24.10
9850	5.97	1.81	6.00	1.68	1.14	0.17	5.13	21.90	7.96	1.88	7.80	2.19	1.47	0.22	7.99	29.51
9855	6.29	1.90	7.83	2.19	1.14	0.17	5.40	24.92	8.38	1.97	10.18	2.85	1.47	0.22	8.40	33.47
9860	6.11	1.85	5.48	1.53	1.14	0.17	5.25	21.53	8.15	1.92	7.13	2.00	1.47	0.22	8.17	29.06
9865	6.40	1.93	6.00	1.68	1.14	0.17	5.50	22.82	8.54	2.00	7.80	2.19	1.47	0.22	8.55	30.77
9875	6.72	2.04	7.83	2.19	1.27	0.19	5.77	26.01	8.96	2.11	10.18	2.85	1.63	0.25	8.98	34.96
9880	6.77	2.05	7.83	2.19	1.27	0.19	5.82	26.12	9.03	2.12	10.18	2.85	1.63	0.25	9.05	35.11
9885	7.31	2.21	7.05	1.97	1.27	0.19	6.27	26.27	9.75	2.28	9.16	2.57	1.63	0.25	9.76	35.40
9895	7.44	2.26	6.39	1.79	1.60	0.24	6.40	26.12	9.92	2.34	8.31	2.33	2.10	0.31	9.95	35.26
9900	6.54	1.99	7.83	2.19	1.27	0.19	5.63	25.64	8.73	2.06	10.18	2.85	1.63	0.25	8.75	34.45
9905	6.30	1.91	7.83	2.19	1.27	0.19	5.41	25.10	8.39	1.98	10.18	2.85	1.63	0.25	8.42	33.70

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
9910	7.06	2.13	9.13	2.56	1.27	0.19	6.07	28.41	9.42	2.21	11.88	3.33	1.63	0.25	9.44	38.16
9925	2.62	0.73	0.00	0.10	0.00	0.00	2.36	5.81								
9930	3.15	0.88	0.00	0.10	0.00	0.00	2.84	6.97								
9935	4.87	1.36	0.00	0.10	0.00	0.00	4.40	10.73								
9940	6.03	1.68	0.00	0.10	0.00	0.00	5.44	13.25								
9945	6.66	1.86	0.00	0.10	0.00	0.00	6.02	14.64								
9955	0.63	0.17	0.00	0.09	0.00	0.00	0.57	1.46	0.84	0.18	0.00	0.09	0.00	0.00	0.86	1.97
9960	0.99	0.28	0.00	0.09	0.00	0.00	0.89	2.25	1.32	0.29	0.00	0.09	0.00	0.00	1.36	3.06
9965	1.00	0.28	0.00	0.09	0.00	0.00	0.90	2.27	1.33	0.29	0.00	0.09	0.00	0.00	1.38	3.09
9970	1.02	0.28	0.00	0.09	0.00	0.00	0.92	2.31	1.35	0.29	0.00	0.09	0.00	0.00	1.40	3.13
9980	0.20	0.06	0.00	0.00	0.00	0.00	0.18	0.44								
9985	0.21	0.06	0.00	0.00	0.00	0.00	0.19	0.46								
9990	0.23	0.06	0.00	0.00	0.00	0.00	0.20	0.49								
9995	0.27	0.08	0.00	0.00	0.00	0.00	0.24	0.59								
10000	0.30	0.08	0.00	0.00	0.00	0.00	0.27	0.65								
10005	0.28	0.08	0.00	0.00	0.00	0.00	0.25	0.61								
10015	0.24	0.07	0.00	0.09	0.00	0.00	0.22	0.62								
10020	0.28	0.08	0.00	0.09	0.00	0.00	0.25	0.70								
10025	0.77	0.22	0.00	0.09	0.00	0.00	0.70	1.78								
10030	0.87	0.24	0.00	0.09	0.00	0.00	0.79	1.99								
10040	2.72	0.76	0.00	0.13	0.00	0.00	2.45	6.06								
10045	2.76	0.77	0.00	0.13	0.00	0.00	2.49	6.15								
10050	2.79	0.78	0.00	0.13	0.00	0.00	2.52	6.22								
10055	2.83	0.79	0.00	0.13	0.00	0.00	2.55	6.30								
10065	1.21	0.34	0.00	0.00	0.00	0.00	1.09	2.64								
10070	1.27	0.36	0.00	0.00	0.00	0.00	1.15	2.78								
10075	1.35	0.38	0.00	0.00	0.00	0.00	1.22	2.95								
10090	2.04	0.70	0.00	0.09	0.56	0.08	1.51	4.98	2.56	0.72	0.00	0.09	0.68	0.10	2.20	6.35
10095	2.47	0.83	0.00	0.09	0.56	0.08	1.82	5.85	3.08	0.85	0.00	0.09	0.68	0.10	2.65	7.45
10100	2.49	0.84	0.00	0.09	0.56	0.08	1.83	5.89	3.11	0.86	0.00	0.09	0.68	0.10	2.67	7.51
10105	2.92	1.00	0.00	0.09	0.80	0.12	2.15	7.08	3.65	1.02	0.00	0.09	0.96	0.14	3.14	9.00
10110	3.55	1.18	0.00	0.09	0.68	0.10	2.61	8.21	4.44	1.21	0.00	0.09	0.82	0.12	3.80	10.48
10115	7.14	2.49	0.00	0.09	2.39	0.36	5.29	17.76	8.92	2.55	0.00	0.09	2.88	0.43	7.71	22.58
10120	7.88	2.77	0.00	0.09	2.81	0.42	5.84	19.81	9.84	2.84	0.00	0.09	3.39	0.51	8.52	25.19
10130	2.79	0.93	0.00	0.09	0.56	0.08	2.05	6.50	3.48	0.95	0.00	0.09	0.68	0.10	2.99	8.29
10140	1.26	0.61	0.00	0.09	0.51	0.08	0.98	3.53								
10145	1.40	0.67	0.00	0.09	0.55	0.08	1.09	3.88								
10150	1.54	0.73	0.00	0.09	0.56	0.08	1.19	4.19								
10155	1.73	0.84	0.00	0.13	0.76	0.11	1.35	4.92								
10160	1.79	0.88	0.00	0.13	0.82	0.12	1.40	5.14								
10165	2.10	1.01	0.00	0.13	0.84	0.13	1.63	5.84								
10170	2.18	1.10	0.00	0.13	1.15	0.17	1.72	6.45								
10175	2.74	1.33	0.00	0.13	1.15	0.17	2.14	7.66								
10180	2.84	1.37	0.00	0.13	1.15	0.17	2.21	7.87								
10185	3.31	1.57	0.00	0.17	1.12	0.17	2.56	8.90								
10190	3.51	1.69	0.00	0.17	1.37	0.21	2.73	9.68								
10195	3.92	1.89	0.00	0.17	1.53	0.23	3.05	10.79								
10200	4.40	2.19	0.00	0.17	2.18	0.33	3.47	12.74								
10205	1.03	0.52	0.00	0.09	0.56	0.08	0.82	3.10								
10215	0.96	0.49	0.00	0.09	0.56	0.08	0.76	2.94								
10225	1.24	0.61	0.00	0.11	0.56	0.08	0.97	3.57								
10230	1.25	0.61	0.00	0.11	0.56	0.08	0.98	3.59								
10240	0.62	0.32	0.00	0.10	0.38	0.06	0.50	1.98								
10245	0.70	0.37	0.00	0.10	0.47	0.07	0.56	2.27								
10250	0.77	0.40	0.00	0.10	0.51	0.08	0.61	2.47								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
10260	2.03	0.86	1.53	0.43	0.20	0.03	1.32	6.40								
10265	2.06	0.90	1.53	0.43	0.41	0.06	1.35	6.74								
10270	2.16	0.94	1.53	0.43	0.41	0.06	1.42	6.95								
10285	18.98	7.33	6.91	2.35	5.70	0.85	13.78	55.90	22.77	7.45	8.93	3.04	9.50	1.42	19.29	72.40
10290	26.36	10.32	9.98	3.39	9.81	1.47	19.18	80.51	31.64	10.49	12.90	4.38	16.35	2.45	26.85	105.06
10295	36.41	14.61	13.36	4.54	13.11	1.97	26.60	110.60	43.69	14.86	17.26	5.87	21.86	3.28	37.24	144.06
10300	16.72	6.51	6.91	2.35	5.70	0.85	12.15	51.19	20.06	6.61	8.93	3.04	9.50	1.42	17.01	66.57
10305	24.21	9.73	9.98	3.39	12.37	1.86	17.69	79.23	29.05	9.89	12.90	4.38	20.62	3.09	24.77	104.70
10310	31.15	12.94	13.36	4.54	15.51	2.33	22.89	102.72	37.38	13.16	17.26	5.87	25.85	3.88	32.05	135.45
10320	12.84	5.06	3.99	1.36	4.64	0.70	9.35	37.94	15.40	5.14	5.16	1.75	7.62	1.14	13.09	49.30
10325	16.56	6.41	3.99	1.36	4.64	0.70	12.03	45.69	19.87	6.52	5.16	1.75	7.62	1.14	16.84	58.90
10330	16.18	6.46	3.99	1.36	6.29	0.94	11.81	47.03	19.41	6.57	5.16	1.75	10.12	1.52	16.53	61.06
10335	18.66	7.37	5.91	2.01	6.29	0.94	13.59	54.77	22.39	7.49	7.64	2.60	10.12	1.52	19.03	70.79
10340	22.62	8.82	6.91	2.35	7.12	1.07	16.45	65.34	27.14	8.97	8.93	3.04	11.69	1.75	23.03	84.55
10345	26.37	10.48	6.91	2.35	9.66	1.45	19.24	76.46	31.65	10.66	8.93	3.04	15.53	2.33	26.93	99.07
10355	12.84	4.97	3.29	1.12	2.87	0.43	9.32	34.84	15.40	5.05	4.25	1.44	4.79	0.72	13.05	44.70
10360	20.47	7.87	6.91	2.35	5.70	0.85	14.85	59.00	24.57	8.01	8.93	3.04	9.50	1.42	20.80	76.27
10365	26.51	10.37	9.34	3.18	9.81	1.47	19.29	79.97	31.81	10.55	12.06	4.10	16.35	2.45	27.00	104.32
10370	34.74	13.86	9.92	3.37	11.76	1.76	25.36	100.77	41.69	14.10	12.82	4.36	19.60	2.94	35.50	131.01
10375	35.47	14.27	11.60	3.94	13.11	1.97	25.92	106.28	42.56	14.51	14.98	5.09	21.86	3.28	36.29	138.57
10385	11.50	4.42	3.30	1.12	3.13	0.47	8.34	32.28	13.79	4.49	4.27	1.45	5.22	0.78	11.67	41.67
10390	16.67	6.43	4.93	1.68	4.91	0.74	12.10	47.46	20.01	6.54	6.37	2.17	8.19	1.23	16.94	61.45
10395	19.84	7.91	7.57	2.57	9.34	1.40	14.48	63.11	23.80	8.04	9.78	3.33	15.57	2.33	20.27	83.12
10400	26.80	10.67	9.58	3.26	12.37	1.86	19.55	84.09	32.16	10.85	12.38	4.21	20.62	3.09	27.37	110.68
10405	39.52	15.74	12.90	4.39	13.11	1.97	28.84	116.47	47.42	16.01	16.67	5.67	21.86	3.28	40.37	151.28
10410	57.85	23.03	16.77	5.70	19.03	2.86	42.21	167.45	69.42	23.41	21.67	7.37	31.73	4.76	59.09	217.45
10420	20.32	7.82	6.45	2.19	5.70	0.85	14.74	58.07	24.38	7.95	8.33	2.83	9.50	1.42	20.64	75.05
10425	28.66	11.16	8.85	3.01	9.81	1.47	20.84	83.80	34.40	11.35	11.43	3.89	16.35	2.45	29.17	109.04
10430	30.40	11.98	9.86	3.35	12.37	1.86	22.14	91.96	36.48	12.18	12.74	4.33	20.62	3.09	31.00	120.44
10435	34.23	13.59	10.43	3.55	10.94	1.64	24.96	99.34	41.08	13.82	13.47	4.58	18.24	2.74	34.95	128.88
10440	37.98	15.18	12.56	4.27	13.11	1.97	27.73	112.80	45.57	15.44	16.23	5.52	21.86	3.28	38.82	146.72
10445	45.28	18.45	16.13	5.48	19.03	2.86	33.16	140.39	54.33	18.76	20.83	7.08	31.73	4.76	46.43	183.92
10460	8.46	3.63	3.65	1.17	1.75	0.26	6.57	25.49	10.16	3.68	4.80	1.54	2.35	0.35	8.55	31.43
10465	14.57	6.42	8.03	2.57	4.42	0.66	11.39	48.06	17.49	6.52	10.56	3.38	5.96	0.89	14.81	59.61
10470	20.10	8.92	10.94	3.50	6.58	0.99	15.73	66.76	24.12	9.06	14.40	4.61	8.86	1.33	20.45	82.83
10475	20.64	9.14	10.94	3.50	6.58	0.99	16.15	67.94	24.77	9.28	14.40	4.61	8.86	1.33	20.99	84.24
10480	24.84	11.02	13.38	4.28	8.09	1.21	19.44	82.26	29.80	11.19	17.60	5.63	10.89	1.63	25.27	102.01
10485	25.22	11.17	13.38	4.28	8.09	1.21	19.73	83.08	30.27	11.34	17.60	5.63	10.89	1.63	25.65	103.01
10495	14.60	6.43	8.03	2.57	4.42	0.66	11.41	48.12	17.52	6.53	10.56	3.38	5.96	0.89	14.83	59.67
10500	19.84	8.82	10.94	3.50	6.58	0.99	15.53	66.20	23.81	8.95	14.40	4.61	8.86	1.33	20.19	82.15
10505	20.13	8.94	10.94	3.50	6.58	0.99	15.76	66.84	24.16	9.07	14.40	4.61	8.86	1.33	20.48	82.91
10510	25.85	11.43	13.38	4.28	8.09	1.21	20.21	84.45	31.02	11.60	17.60	5.63	10.89	1.63	26.28	104.65
10515	26.27	11.59	13.38	4.28	8.09	1.21	20.53	85.35	31.52	11.77	17.60	5.63	10.89	1.63	26.69	105.73
10530	17.07	6.75	8.03	2.57	6.12	0.92	12.44	53.90	20.48	6.86	10.56	3.38	10.22	1.53	17.42	70.45
10535	24.72	9.94	10.94	3.50	9.86	1.48	18.07	78.51	29.66	10.11	14.40	4.61	15.96	2.39	25.29	102.42
10540	39.06	15.86	15.81	5.06	17.93	2.69	28.59	125.00	46.87	16.13	20.80	6.66	29.39	4.41	40.03	164.29
10550	16.05	6.38	6.74	2.16	5.99	0.90	11.71	49.93	19.26	6.49	8.86	2.84	9.91	1.49	16.39	65.24
10555	27.04	10.75	11.09	3.55	7.63	1.15	19.72	80.93	32.44	10.94	14.59	4.67	12.62	1.89	27.61	104.76
10570	17.69	6.98	8.03	2.57	6.12	0.92	12.89	55.20	21.23	7.09	10.56	3.38	10.22	1.53	18.04	72.05
10575	25.58	10.03	10.94	3.50	8.21	1.23	18.62	78.11	30.70	10.20	14.40	4.61	13.75	2.06	26.06	101.78
10590	0.59	0.13	0.65	0.18	0.04	0.01	0.84	2.44								
10595	0.60	0.14	0.65	0.18	0.04	0.01	0.86	2.48								
10600	0.48	0.11	0.00	0.00	0.04	0.01	0.70	1.34								
10605	0.56	0.13	0.00	0.00	0.04	0.01	0.80	1.54								
10615	4.51	0.98	3.26	0.91	0.04	0.01	6.40	16.11								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
10620	6.84	1.49	5.73	1.61	0.04	0.01	9.71	25.43								
10635	1.04	0.42	0.00	0.01	0.00	0.00	0.67	2.14								
10640	1.21	0.49	0.00	0.01	0.00	0.00	0.78	2.49								
10645	1.41	0.57	0.00	0.01	0.00	0.00	0.91	2.90								
10655	1.81	0.76	0.40	0.11	0.20	0.03	1.18	4.49								
10660	2.05	0.86	0.40	0.11	0.20	0.03	1.34	4.99								
10665	2.29	0.96	0.40	0.11	0.20	0.03	1.49	5.48								
10680	0.23	0.07	0.84	0.25	0.00	0.00	0.13	1.52								
10685	0.27	0.08	1.05	0.31	0.00	0.00	0.15	1.86								
10695	0.41	0.14	2.40	0.58	0.02	0.00	0.43	3.98								
10700	0.43	0.15	2.40	0.58	0.02	0.00	0.45	4.03								
10705	0.47	0.16	4.00	0.96	0.02	0.00	0.49	6.10								
10710	0.60	0.21	4.25	1.02	0.02	0.00	0.63	6.73								
10720	0.56	0.20	0.81	0.19	0.02	0.00	0.59	2.37								
10725	0.60	0.21	1.14	0.27	0.02	0.00	0.63	2.87								
10730	0.66	0.24	1.14	0.27	0.05	0.01	0.70	3.07								
10735	0.72	0.26	1.93	0.46	0.05	0.01	0.75	4.18								
10745	0.23	0.07	0.42	0.13	0.00	0.00	0.13	0.98								
10750	0.24	0.07	0.84	0.25	0.00	0.00	0.13	1.53								
10760	0.10	0.03	0.80	0.24	0.00	0.00	0.06	1.23								
10765	0.13	0.04	1.01	0.30	0.00	0.00	0.07	1.55								
10770	0.37	0.11	1.26	0.38	0.00	0.00	0.20	2.32								
10775	0.64	0.20	1.76	0.53	0.00	0.00	0.36	3.49								
10785	0.05	0.01	0.80	0.24	0.00	0.00	0.03	1.13								
10790	0.16	0.05	1.01	0.30	0.00	0.00	0.09	1.61								

APPENDIX A

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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:	$ 0.070 /Kw-Hr
Gasoline Cost Per Gallon:	$ 0.760 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	$ 0.640 /Gal.
Diesel Cost Per Gallon (On-Road Use):	$ 0.870 /Gal.

Freight Rates:		0	thru	24,000 lbs.	$ 7.250 /Cwt.
	over	24,000	thru	30,000 lbs.	$ 6.500 /Cwt.
	over	30,000	thru	44,000 lbs.	$ 5.650 /Cwt.
	over	44,000	thru	60,000 lbs.	$ 4.500 /Cwt.
	over	60,000	thru	70,000 lbs.	$ 2.500 /Cwt.
	over	70,000	thru	80,000 lbs.	$ 2.400 /Cwt.
	over	80,000	thru	9999,900 lbs.	$ 2.300 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

APPENDIX D

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

TABLE LEGEND
****

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

TABLE LEGEND
****

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER 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	.000	.097	.056	0	.000	.000	.000	0	24	28	0	0	90	110
795	WATER TANKS	A	12	20	65	.000	.066	.038	0	.000	.000	.000	0	24	28	77	73	90	50
810	WELDERS	A	8	30	80	.000	.081	.047	0	.000	.000	.000	0	24	24	0	0	90	70
811	WELDERS ELECTRIC POWER	A	8	25	60	.600	.000	.000	0	.000	.000	.000	30	0	0	0	0	90	40

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT 1967 = 1000

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

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT 1967 = 1000

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

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT 1967 = 1000

	YEAR PURCHASE NEW			
	1960	1959	1958	1957
	AGE IN YEARS			
CATEGORY	27	28	29	30
Air Equipment	781	775	743	706
Asphalt & Concrete Paving Equipment	830	812	777	745
Buckets	950	960	1020	1014
Cranes, Draglines, & Clamshells - Crawler & Truck Mounted	859	841	817	795
Drills	852	851	798	737
Generators	1007	1007	987	936
Graders, Motor	872	866	829	802
Loaders, Track	840	817	786	748
Loaders, Wheel	N/A	N/A	N/A	N/A
Pile Driving Equipment	N/A	N/A	N/A	N/A
Rollers	874	819	749	706
Scrapers, and Soil Stabilizers	872	866	829	802
Shovels, Backhoes & Hydraulic Excavators	859	841	817	795
Tractors, Crawler & Attachments	840	817	786	748
Tractor, Wheel	852	842	825	792
Trenchers	888	859	833	825
Truck, Highway	981	1006	986	945
Trucks & Wagons - Off Highway	N/A	N/A	N/A	N/A
All Other Equipment	859	841	812	782
All Tires & Tubes	N/A	N/A	N/A	N/A
Marine Equipment	867	849	820	790

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

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

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

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

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

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

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

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

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

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

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

APPENDIX H

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

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

MARINE EQUIPMENT EXAMPLE

1. PERTINENT DATA

a. Equipment Description.....> 24" Hydraulic Cutter Suction Dredge

b. Model & Series.....> Ellicott Series 4900 Super Dragon

c. Present Year.....> 1987

(1) Economic Index.(APP.E).....> 4003

d. Year Manufactured.....> 1985

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

e. Equipment Cost

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

(2) Capital Improvements.....> $0

f. Prime Engine Horsepower.....> 3,730 h.p.

g. Secondary Engine(s) Horsepower.

(1) Electrical Generators	-	200 h.p.
(2) Hydraulic System	-	1325 h.p.
(3) Cutter Head Drive	-	750 h.p.
(4) Hydraulic Water Jet	-	200 h.p.
		==========
Total Secondary H.P.		2,475 h.p.

h. Fuel Type.....> Diesel

(1) Cost/Gal.(APP.B).....> $0.64 /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. LAF (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.....> 3.45%

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

3. OWNERSHIP COSTS

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

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

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

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

(2) Monthly Ownership Expense:
($238650 / 7 mo.) = $34,093

(3) Hourly Ownership Expense:
($34093 / 500 hrs.) = $68.19

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

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

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

(2) Monthly Standby Expense: ($155400/7mo.) = $22,200

(3) Hourly Standby Expense: ($22200/500hrs) = $44.40

* (If Applicable) Generator Allowance:
((200 h.p. / 2475 h.p.) x $64.94) = + $5.25

Total Hourly Standby Allowance = $49.65

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 $0.64/gal) = $112.20 /hr

(2) Secondary Engine Fuel:
(0.041 x 2475 h.p. x $0.64/gal) = $64.94 /hr

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

(1) Prime Engine WLS: (0.33 x $112.20/hr) = $37.03 /hr

(2) Second Engine WLS: (0.33 x $64.94/hr) = $21.43 /hr

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

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

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

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

(3) Repair Cost:
($3700000 x 1.20 x 1.068 x 0.98)/105000 hrs $44.26 /hr

d. Subtotal Operating Cost = (Fuel + WLS + Repairs)
($112.20 + $64.94 + $37.03 + $21.43 + $44.26) = $279.86 /hr

5. Subtotal Hourly Ownership & Operating Cost.
($68.19 /hr + $279.86 /hr) = $348.05 /hr

6. Subtotal Monthly Rate = (Hourly Total x Use Hours/Month)
($348.05 /hr x 500 hrs) = $174,025 /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..... $225,025 /mo

Figure H-1 (Continued)

APPENDIX I

FEDERAL COST OF MONEY RATE

(Renegotiation or Prompt Payment Rate)

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

APPENDIX J

TIRE DESCRIPTION AND TIRE COST

J-1. The current tire descriptions and tire cost used to develo 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 i provided to give the user reasonable estimated values for the tire used in conjunction with rate development in this pamphlet. Belts for loaders are also included: sizes shown are width (in.) X length (ft.).

Tire Description

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

TT = Tube-type Tires TL = Tubeless Tires

Tire Description

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

TT = Tube-type Tires TL = Tubeless Tires

Tire Description

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

TT = Tube-type Tires TL = Tubeless Tires

Tire Description

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

TT = Tube-type Tires TL = Tubeless Tires

Tire Description

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

TT = Tube-type Tires TL = Tubeless Tires