

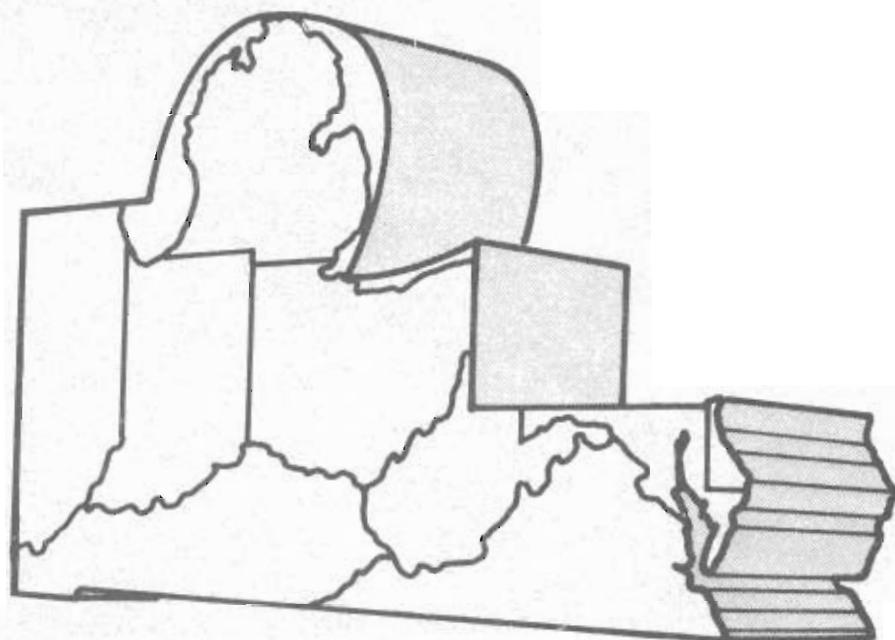


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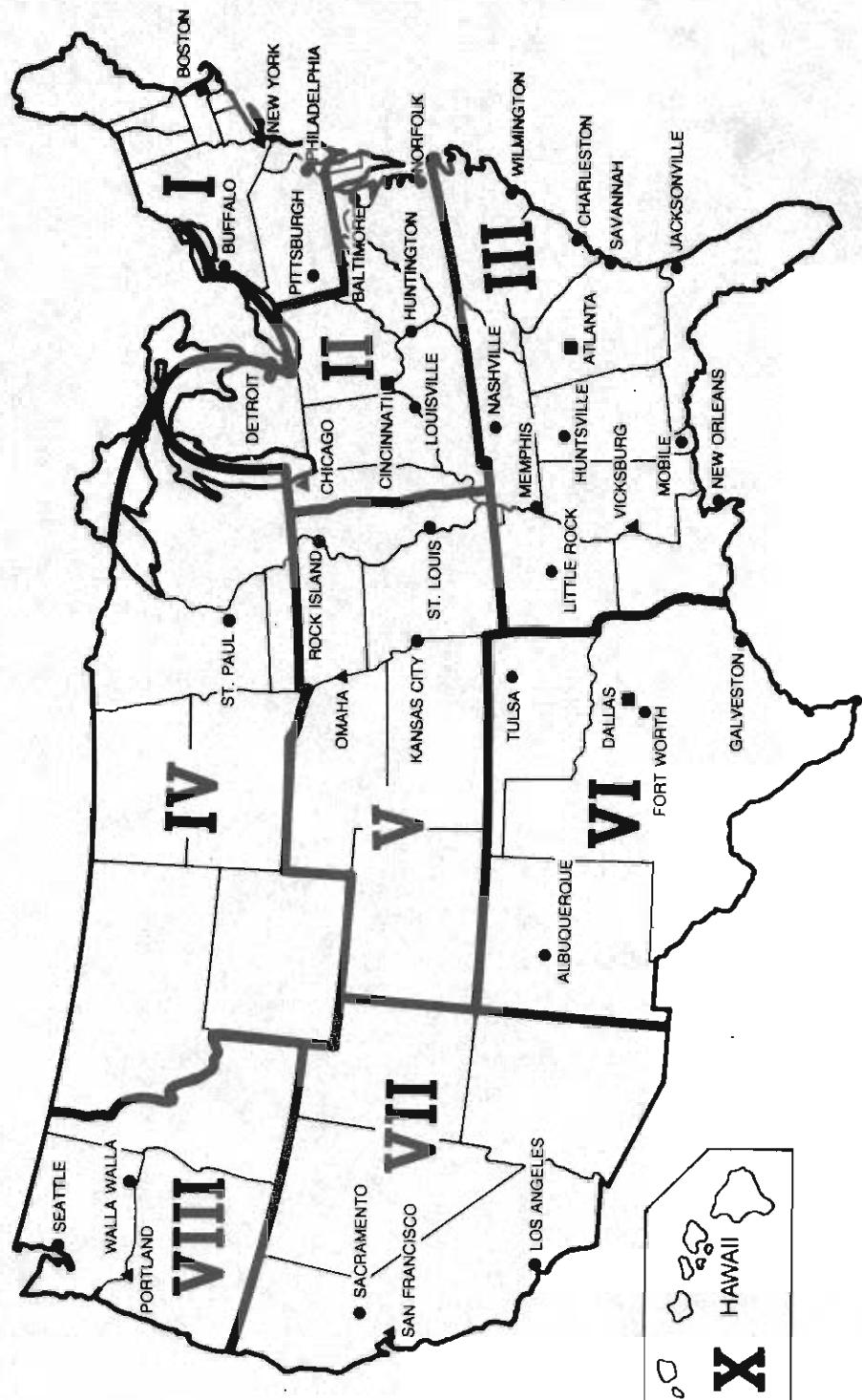
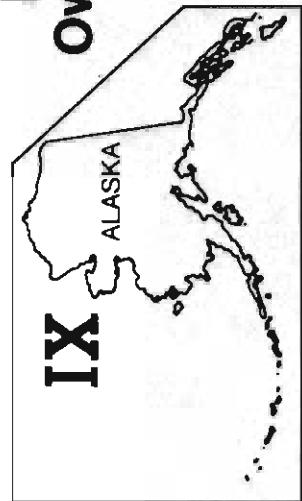
EP 1110-1-8
Volume 2
June 1983

Construction Equipment Ownership and Operating Expense Schedule

Region II



Regions for the Construction Equipment Ownership and Operating Expense Schedule



DAEN-CWE-BA
DAEN-ECE-S

DEPARTMENT OF THE ARMY
US Army Corps of Engineers
Washington, DC 20314

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Pamphlet
No. 1110-1-8

1 June 1983

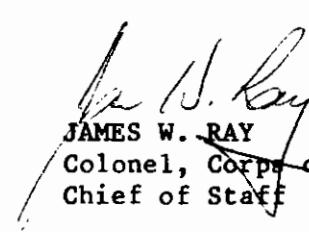
Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

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 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 (lower peninsula)
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 1981. The percentages for marine equipment provide an allowance for ownership expenses only. This pamphlet will be updated annually or more frequently if necessary.

FOR THE COMMANDER:


JAMES W. RAY
Colonel, Corps of Engineers
Chief of Staff

DAEN-CWE-BA
DAEN-ECE-S

DEPARTMENT OF THE ARMY
US Army Corps of Engineers
Washington, DC 20314

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CHAPTER 1

INTRODUCTION

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

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 1981. The percentages for marine equipment provide an allowance for ownership expenses only. This pamphlet will be updated annually or more frequently if necessary.

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 (except dredging) and all negotiated procurements. This pamphlet shall also be used in pricing of contract modifications when:

a. Cost or pricing data is not required.

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

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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 Defense Acquisition Regulations (DAR).

CHAPTER 2

METHODOLOGY

2-1. General. This pamphlet provides hourly use rates for construction equipment and annual ownership percentages 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 paragraph 2-3.

2-2. Construction Equipment.

a. General. The total hourly rates include all costs of owning and operating equipment except operating labor and 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 17.5 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 1981.

(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 (current year divided by year of manufacture), which are listed in APPENDIX E.

(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 DAR 15-205.50 and CAS 414 is included in the use rates. This cost was computed by multiplying the cost of money rate (11.250%) determined by the Secretary of the Treasury pursuant to P.L. 92-41 (85 Stat. 97) by the average value of equipment and prorating the result over the annual operating hours. This cost of money rate was discounted to 9.00% to avoid duplication when applying markups for overhead and profit.

$$CFC/hr = \frac{[(N-1)(1+S)+2]}{2N} \frac{(\text{Equipment Cost})}{(\text{Work Hrs per Year})} (9.00\%)$$

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 TABLE 3-1 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:

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

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.

(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 self-propelled hydraulic cranes) 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:

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

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.

(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.

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CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET <i>(EP 1110-1-8)</i>	
1. REQUIRED DATA	(Since this request for information is to less than ten persons, OMB approval under Section 3507, 44 USC, is not required.)
a. Unit Number <u>3105</u>	
(1) Equipment Description <u>Lorain Truck Crane - 50 Ton</u>	
(2) Model and Series <u>MC-550A W/160' Boom</u>	
(3) Year Purchased <u>1981</u>	(4) Year Manufactured <u>1981</u>
(5) Equipment Horsepower <u>115</u>	(6) Carrier Horsepower <u>246</u>
(7) Fuel Type <u>Diesel/Diesel</u>	(8) Shipping Weight <u>111,000 lbs.</u>
(9) Tire Size: Front- <u>1400x20 18PR</u> Drive- <u>1400x20 18PR</u> Trailing- <u>N/A</u>	
b. Key Number from APPENDIX D <u>225</u>	
(1) Condition <u>Average</u>	
(2) Salvage Value % <u>20</u>	(3) Life <u>18,000 hrs.</u>
(4) Equipment Fuel Factor <u>.038</u>	(5) Carrier Fuel Factor <u>.006</u>
(6) FOG Factor: Gas <u>N/A</u>	Diesel <u>.26</u> Electric <u>N/A</u>
(7) Tire Wear Factor: Front <u>.97</u>	Drive <u>.78</u> Trailing <u>N/A</u>
(8) Repairs Cost Factor <u>.60</u>	
2. EQUIPMENT COST	
a. List Price Year of Manufacture (including extras)	<u>-\$ 319,655.00</u>
(1) Discount: (List Price) x *7.5% *(17.5% for Highway Trucks) <u>= (\$ 319,655.00) x .075</u>	<u>= (-) \$ 23,974.13</u>
(2) Freight: (Shipping Weight) x (Prep. and Del. Rate) From 1-a-(8) From APPENDIX B <u>= (111 CWT) x (\$ 2.00)</u>	<u>= (+) \$ 2,222.00</u>
b. Subtotal: Summation of Part a. (Use actual cost when available)	<u>-\$ 297,902.88</u>
(1) State Sales Tax: (Subtotal) x (Tax Rate) From 2-b <u>= (\$ 297,902.88) x (.04)</u>	<u>= (+) \$ 11,916.11</u>
c. Equipment Cost: Summation of Part b. (Use actual cost when available)	<u>-\$ 309,818.99</u>

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)

$$= (\underline{18,000} \text{ Hrs}) + (\underline{1,500} \text{ Hrs/Yr}) \quad \underline{12.00} \text{ yrs.}$$

4. ECONOMIC ADJUSTMENT FACTOR (EAF)(Economic Index for Present) + (Economic Index for Year)
Year From APPENDIX E of Manufacture From APP. E

$$= (\underline{3372}) + (\underline{3009}) \quad \underline{1.121} \text{ (EAF)}$$

5. SALVAGE VALUE FACTOR (S)(Salvage Factor) x (EAF).
From 1-b-(2) From 4

$$= (\underline{.20}) \times (\underline{1.121}) \quad \underline{.224} (S)$$

6. OWNERSHIP COSTS

a. Depreciation:

$$\begin{aligned} \text{Equipment} & \\ [(\text{Cost From}) \times [1.0 - (\text{S From})] - (\text{Tire Cost})] & + (\text{From}) \\ 2-c & \quad 5 \quad \text{Yr. of Mfg.} \quad 1-b-(3) \\ -[(\underline{\$309,819}) \times [1.0 - (\underline{.224})] - (\underline{\$8414.1})] & + (\underline{18000 \text{ Hr}}) = \$ \underline{12.89/\text{Hr.}} \end{aligned}$$

b. Cost of Facilities Capital (CFC):

$$\begin{aligned} \text{Life} & \quad \text{Life} \\ (1) [((\text{From}) - 1.0) \times [(\text{S From}) + 1.0] + 2.0] & + [(\text{From}) \times 2.0] \\ 3 & \quad 5 \quad 3 \\ -[(\underline{12 \text{ Yrs}}) - 1.0] \times [(\underline{.224}) + 1.0] + 2.0 & + [(\underline{12 \text{ Yrs}}) \times 2.0] = \underline{.6443} \end{aligned}$$

$$\begin{aligned} \text{Equipment} & \quad \text{Average} & \quad \text{CFC Factor} & \quad \text{Hrs Use/} \\ (2) (\text{Cost From}) \times (\text{Value Factor}) & \times (\text{From Para.1}) & \times (\text{Yr From}) & \text{APP. B} \\ 2-c & \quad \text{From 6-b-(1)} & \quad 2-2.c.(2) & \\ -[(\underline{\$309,819}) \times (\underline{.6443}) \times (\underline{.09}) + (\underline{1,500} \text{ Hrs/Yr})] & & & = \$ \underline{11.98/\text{Hr.}} \end{aligned}$$

$$\text{c. Total Hourly Ownership: } (\text{Sum 6-a} + \text{6-b-(2)}) \quad = \$ \underline{24.87/\text{Hr.}}$$

Figure 2-1. (Continued)

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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.

$$= (.038) \times (115 \text{ HP}) \times (\$ 1.06/\text{Gal}) = \$ 4.63/\text{Hr.}$$

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

$$= (.006) \times (246 \text{ HP}) \times (\$ 1.20/\text{Gal}) = \$ 1.77/\text{Hr.}$$

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) = \\$ 6.40/Hr.

b. FOG Costs:

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

$$= (.26) \times (\$ 4.63/\text{Hr}) = \$ 1.20/\text{Hrs.}$$

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

$$= (.26) \times (\$ 1.77/\text{Hr}) = \$.46/\text{Hr.}$$

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) = \\$ 1.66/Hr.

c. Repairs Cost:

(1) Repair Factor:

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

$$= (.60) \times (1.121) \times (.99) = .6659$$

(2) Hourly Repairs:

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

$$=[(\$ 309,819) - (\$ 8,414)] \times (.6659) + (18,000 \text{ Hr}) = \$ 11.15/\text{Hr.}$$

Figure 2-1. (Continued)

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

d. Tire Wear Costs (Current Price Levels):

$$(1) \text{Front Tires: } 1.5 \times \frac{\text{Front}}{\text{Tires}} + [1.8 \times \frac{\text{F-Tire}}{\text{(Ftr Frm)}} \times \frac{\text{Max Tire}}{\text{Life Frm}}] \\ \text{Cost} \quad \text{l-b-(7)} \quad \text{Tbl F-1} \\ = 1.5 \times (\underline{\$2,892}) + [1.8 \times (\underline{.97}) \times (\underline{5,000 \text{ Hr}})] = \$ \underline{50} / \text{Hr.}$$

$$(2) \text{Drive Tires: } 1.5 \times \frac{\text{Drive}}{\text{Tires}} + [1.8 \times \frac{\text{D-Tire}}{\text{(Ftr Frm)}} \times \frac{\text{Max Tire}}{\text{Life Frm}}] \\ \text{Cost} \quad \text{l-b-(7)} \quad \text{Tbl F-1} \\ = 1.5 \times (\underline{\$5,784}) + [1.8 \times (\underline{.78}) \times (\underline{2,000 \text{ Hr}})] = \$ \underline{1.24} / \text{Hr.}$$

$$(3) \text{Trailing Tires: } 1.5 \times \frac{\text{Trlg}}{\text{Tires}} + [1.8 \times \frac{\text{T-Tire}}{\text{(Ftr Frm)}} \times \frac{\text{Max Tire}}{\text{Life Frm}}] \\ \text{Cost} \quad \text{l-b-(7)} \quad \text{Tbl F-1} \\ = 1.5 \times (\underline{\$ \quad}) + [1.8 \times (\underline{\quad}) \times (\underline{\quad \text{ Hr}})] = \$ \underline{0} / \text{Hr.}$$

$$(4) \text{Total Tire Wear Cost: } (\text{Sum 7-d-(1) thru (3)}) = \$ \underline{1.74} / \text{Hr.}$$

e. Tire Repair Cost: $\frac{(\text{Tire Wear})}{\text{Frm 7-d-(4)}} \times 0.15$

$$= (\underline{\$1.74}) \times 0.15 = \$ \underline{.26} / \text{Hr.}$$

f. Total Operating Costs: $(\text{Sum 7-a thru 7-e}) = \$ \underline{21.21} / \text{Hr.}$

8. TOTAL HOURLY RATES

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

$$(\text{Ownership Costs Frm 6-c}) + (\text{Operating Costs Frm 7-f}) \\ = (\underline{\$24.87 / \text{Hr}}) + (\underline{\$21.21 / \text{Hr}}) = \$ \underline{46.08} / \text{Hr.}$$

b. Hourly Rate for Other Work Shifts:

$$(\text{Depreciation}) + [(\text{CFC Frm}) \times 40 + (\text{Work Hrs})] + (\text{Operating Costs}) \\ \text{From 6-a} \quad \text{6-b-(2)} \quad \text{Per Week} \quad \text{Frm 7-f} \\ = (\underline{\$12.89 / \text{Hr}}) + [(\underline{\$11.98 / \text{Hr}}) \times 40 + (\underline{60 \text{ Hr/Wk}})] + (\underline{\$21.21 / \text{Hr}}) = \$ \underline{42.09} / \text{Hr.}$$

c. Hourly Standby Rate:

$$(\text{Depreciation}) \times 0.25 + (\text{CFC Frm}) \\ \text{From 6-a} \quad \text{6-b-(2)} \\ = (\underline{\$12.89 / \text{Hr}}) \times 0.25 + (\underline{\$11.98 / \text{Hr}}) = \$ \underline{15.20} / \text{Hr.}$$

Figure 2-1. (Continued)

2-3. Marine Equipment.

a. 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 section, 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 percentages are shown in TABLE 2-1 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. Hourly ownership and operating expenses for any land-based equipment involved with the operation will be based on the methodology herein for construction equipment.

b. 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 equipment value 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.

(1) 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 and the depreciation shall be recomputed. The depreciable value is the acquisition cost, plus any capital improvements, less estimated salvage. Costs for drydocking and major repairs, 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 15-205.20 of DAR.

(2) 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.

$$CFC = \frac{[(N-1)(1+S) + 2]}{2N} (9.00\%)$$

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

(3) The salvage value factor is expressed as a decimal and is shown in TABLE 2-1 for different items of equipment.

(4) Taxes, storage (layup), and insurance are considered indirect (overhead) costs or a part of operating 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.

(5) The expected life shown in TABLE 2-1 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.

c. Annual Use. Marine equipment is normally operated 24 hours per day, 7 days per week, and costs are usually kept on a monthly basis. This is the preferred basis; 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 actual time cannot be determined the monthly cost should be divided by 720 hours or 30 days. The number of months' use per year is of such a variable nature that it is established for each contract by including this factor in the clauses of the contract.

d. 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.

TABLE 2-1. ANNUAL OWNERSHIP EXPENSE FACTORS FOR MARINE EQUIPMENT

<u>TYPE OF EQUIPMENT</u>	LIFE (YRS)	SALVAGE VALUE FACTOR	PERCENT ANNUAL OWNERSHIP EXPENSE		
			DEPRE- CIATION	CFC	TOTAL
Hydraulic dredge, including hydraulic dredges used as Boosters:					
10-inch thru 14-inch	20	.05	4.75	4.94	9.69
16-inch thru 20-inch	25	.10	3.60	5.11	8.71
24-inch and over	30	.10	3.00	5.09	8.09
Booster & Barge:					
10-inch thru 14-inch	20	.05	4.75	4.94	9.69
16-inch thru 20-inch	25	.10	3.60	5.11	8.71
24-inch and over	30	.10	3.00	5.09	8.09
Dredge, Hopper	25	.10	3.60	5.11	8.71
Dredge, clamshell/ dragline	20	.05	4.75	4.94	9.69
Dredge, Dipper/Hyd Excav	25	.05	3.80	4.90	8.70
Bucket Dredge	30	.10	3.00	5.09	8.09
Dump Scows	20	.05	4.75	4.94	9.69
Barges:					
Fuel	20	.05	4.75	4.94	9.69
Water	20	.05	4.75	4.94	9.69
Equipment or Work	20	.05	4.75	4.94	9.69
Derrick	20	.10	4.50	5.15	9.65
Anchor	20	.05	4.75	4.94	9.69
Drill Boat or Barge	20	.10	4.50	5.15	9.65
Mooring Barge	20	.05	4.75	4.94	9.69
Tugs	20	.10	4.50	5.15	9.65
Tenders	20	.10	4.50	5.15	9.65
Launches	12	.05	7.92	5.08	13.00
Shore Pipeline (Average)	3	0	33.33	6.00	39.33
Floating Line:					
Pontoon	15	0	6.67	4.80	11.47
Pipeline/Joints (Avg)	10	0	10.00	4.95	14.95

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 or recomputed 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, and (f) 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 or computed as shown in the sample computations in Figure 2-1.

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 3060 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.

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.

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.

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).

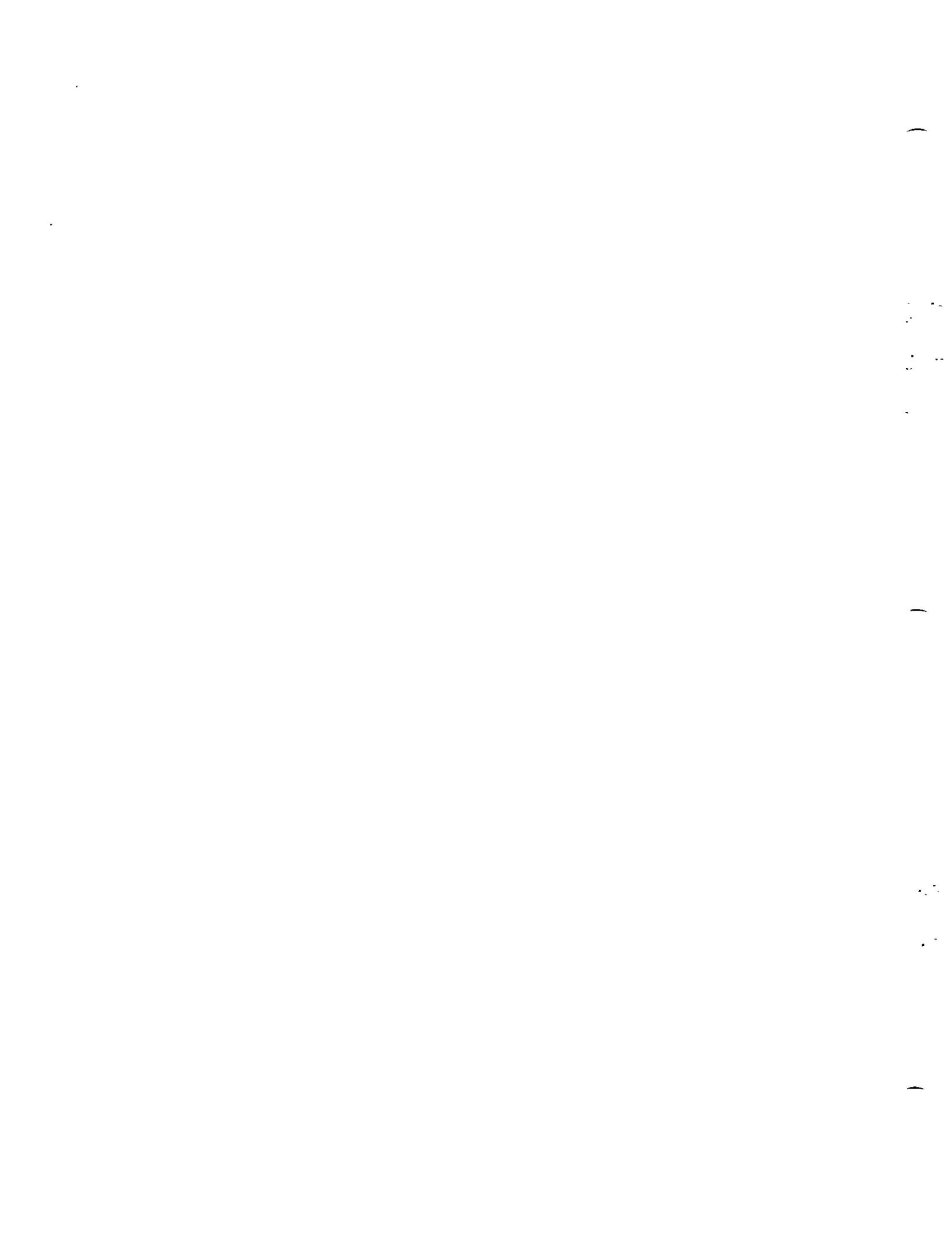


TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

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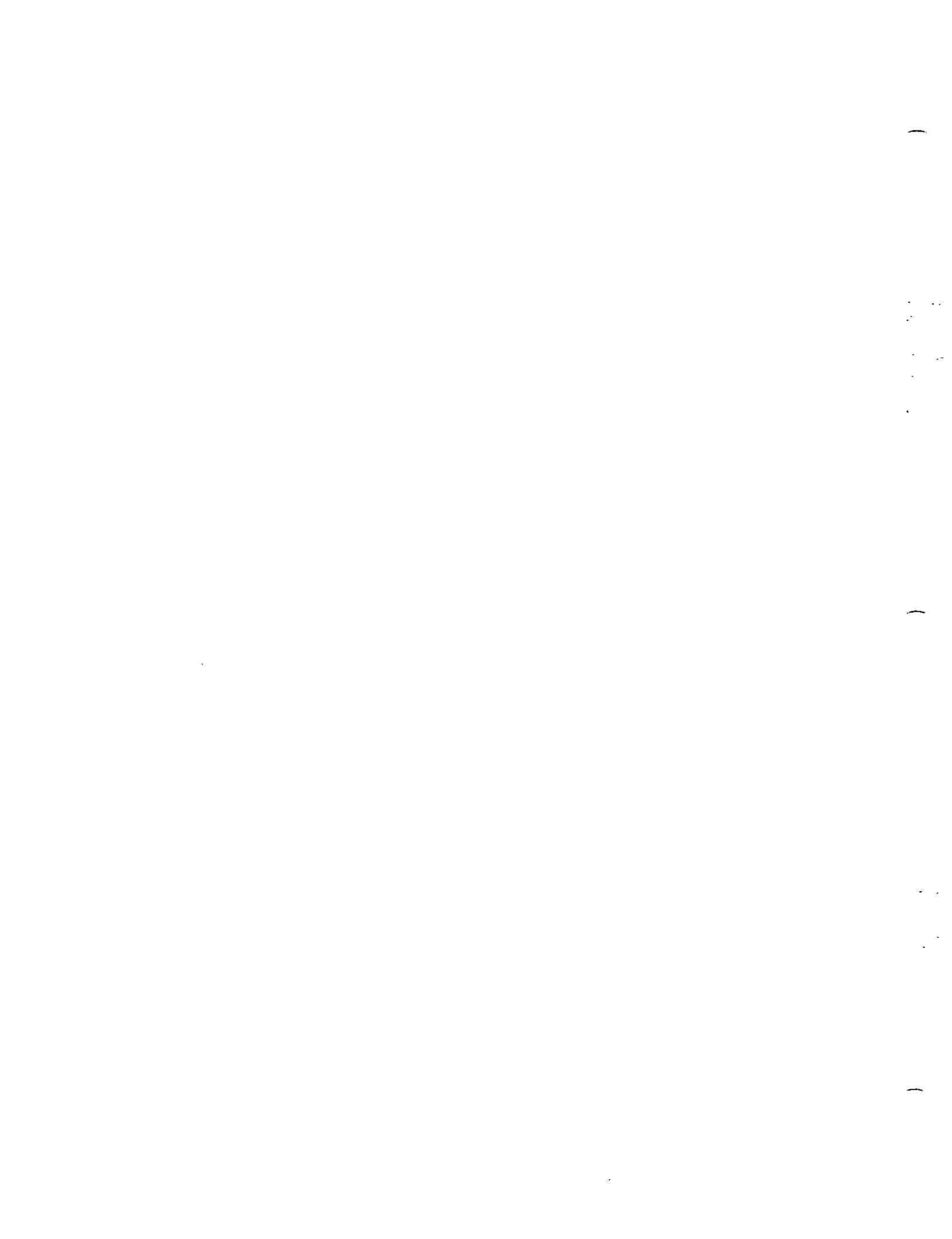


TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
AGGREGATE SPREADER																			
ETNYRE - SELF-PROPELLED																			
1010	SPREAD TO 8" DEPTH & 10' WIDE	187 HP G	46,762	23.99		2.76	5.41	11.92		155									
1015	SPREAD TO 8" DEPTH & 13' WIDE	143 HP D	52,277	15.92		3.09	6.05	4.55		160									
AIR COMPRESSORS, PORTABLE																			
(HOSE NOT INCLUDED)																			
ROTARY SCREW																			
1030	SIZE 85 CFM QUIET 100 PSI	43 HP G	8,993	6.42		0.54	1.01	3.55		21									
1035	SIZE 85 CFM QUIET 100 PSI	38 HP D	10,651	4.00		0.63	1.19	1.53		24									
1040	SIZE 100 CFM QUIET 100 PSI	50 HP G	11,249	7.59		0.67	1.26	4.12		20									
1045	SIZE 100 CFM QUIET 100 PSI	44 HP D	13,488	4.86		0.80	1.52	1.77		26									
1050	SIZE 125 CFM QUIET 100 PSI	70 HP G	13,768	10.26		0.82	1.55	5.77		24									
1055	SIZE 125 CFM QUIET 100 PSI	51 HP D	14,643	5.44		0.87	1.65	2.05		26									
1060	SIZE 150 CFM QUIET 100 PSI	70 HP G	15,028	10.51		0.90	1.70	5.77		26									
1065	SIZE 150 CFM QUIET 100 PSI	69 HP D	17,057	6.83		1.01	1.92	2.78		28									
1070	SIZE 165 CFM QUIET 100 PSI	70 HP G	15,513	10.60		0.93	1.75	5.77		27									
1075	SIZE 185 CFM QUIET 100 PSI	69 HP D	18,312	7.07		1.09	2.06	2.78		29									
1080	SIZE 275 CFM QUIET 100 PSI	94 HP D	27,250	10.09		1.63	3.08	3.79		55									
1085	SIZE 340 CFM QUIET 100 PSI	103 HP D	33,745	11.82		2.00	3.76	4.15		79									
1090	SIZE 450 CFM QUIET 100 PSI	152 HP D	43,776	16.26		2.60	4.90	6.12		89									
1095	SIZE 600 CFM QUIET 100 PSI	175 HP D	59,117	20.40		3.51	6.63	7.05		97									
1100	SIZE 750 CFM QUIET 100 PSI	228 HP D	68,491	24.93		4.07	7.69	9.18		128									
1105	SIZE 825 CFM QUIET 100 PSI	250 HP D	77,995	27.88		4.63	8.76	10.07		130									
1110	SIZE 900 CFM QUIET 100 PSI	270 HP D	85,440	30.36		5.07	9.61	10.88		148									
1115	SIZE 1000 CFM QUIET 100 PSI	283 HP D	95,427	32.93		5.67	10.74	11.40		186									
1120	SIZE 1200 CFM QUIET 100 PSI	325 HP D	114,250	38.72		6.80	12.88	13.09		196									
1125	SIZE 1600 CFM QUIET 100 PSI	456 HP D	129,193	48.34		7.68	14.55	18.37		216									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL	SEVERE OWNER-SHIP	COND. FUEL	
			AVERAGE	SEVERE					
AIR EQUIPMENT									

(HOSE NOT INCLUDED)									
CLEMCO - SANDBLASTERS									
1140	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,291	0.91		0.12	0.31	0.00		3
1145	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,413	1.66		0.23	0.58	0.00		5
1150	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,434	1.66		0.23	0.58	0.00		6
1155	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	2,703	1.90		0.25	0.64	0.00		7
1160	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	3,596	2.49		0.34	0.86	0.00		9
1165	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	10,443	7.02		0.97	2.43	0.00		28
1170	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	12,603	8.37		1.14	2.84	0.00		45
1175	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	15,672	10.50		1.43	3.58	0.00		53
GARDNER DENVER - TOOLS									
1185	SPADER SP27E	32CFM A	920	0.67		0.09	0.22	0.00	1
1190	SINKER DRILL S58	98CFM A	2,023	1.43		0.19	0.48	0.00	1
1195	PAVING BREAKER B37	41CFM A	944	0.68		0.09	0.22	0.00	1
1200	PAVING BREAKER B67C	46CFM A	1,013	0.74		0.10	0.25	0.00	1
1205	PAVING BREAKER B87C	50CFM A	1,101	0.78		0.10	0.26	0.00	1
1210	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,720	2.57		0.35	0.89	0.00	1
MASTER - CONCRETE VIBRATORS									
1220	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	1,797	1.83		0.17	0.43	0.00	1
1225	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,153	1.20		0.11	0.27	0.00	1
1230	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,035	1.07		0.10	0.25	0.00	1
1235	CONCRETE VIBR. MOD A-30010 3"	64CFM A	934	0.94		0.09	0.22	0.00	1
1240	CONCRETE VIBR. MOD A-25010 2.5"	40CFM A	732	0.74		0.07	0.17	0.00	1

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		
ASPHALT DISTRIBUTOR - ROSCO ***** (NO CHASSIS)										
1250	MOD RES 1000 GAL. TRUCK MOUNTED 18,000 TO 24,000 GVW REQUIRED	50 HP G	23,426	10.22		1.40	2.57	4.12	72	
1255	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GVW REQUIRED	50 HP G	24,302	10.39		1.45	2.66	4.12	75	
1260	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GVW REQUIRED	50 HP G	26,056	10.75		1.55	2.85	4.12	87	
1265	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GVW REQUIRED	50 HP G	29,982	11.55		1.79	3.28	4.12	109	
ASPHALT FINISHERS ***** SPW=STANDARD PAVING WIDTH										
BARBER-GREENE										
1275	MOD SB111 8' SPW (PNEUMATIC)	70 HP D	80,372	20.86		4.76	8.99	2.82	165	
1280	MOD SB131 10' SPW (PNEUMATIC) W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	95 HP D	116,620	30.09		6.86	12.87	3.83	258	
1285	MOD SB140 10' SPW (PNEUMATIC) OPTIONS SAME AS MOD SB131	130 HP D	133,786	35.61		7.87	14.76	5.24	325	
1290	MOD SA150 10' SPW (CRAWLER) OPTIONS SAME AS MOD SB131	130 HP D	161,133	41.10		9.61	18.31	5.24	375	
BLAW-KNOX										
1300	MOD PF-22 5' SPW (PNEUMATIC)	30 HP D	41,003	10.41		2.41	4.51	1.21	95	
1305	MOD PF-35 6' SPW (PNEUMATIC)	44 HP D	59,927	15.17		3.54	6.66	1.77	104	
1310	MOD PF-115 8' SPW (PNEUMATIC)	58 HP D	81,317	20.49		4.80	9.04	2.34	180	
1315	MOD PF-120H 8' SPW (PNEUMATIC)	87 HP D	97,847	25.65		5.73	10.72	3.50	240	
1320	MOD PF-180H 10' SPW (PNEUMATIC)	107 HP D	113,688	30.14		6.66	12.44	4.31	277	
1325	MOD PF-220 12' SPW (PNEUMATIC)	148 HP D	159,947	42.47		9.33	17.33	5.96	387	
1330	MOD PF-400 10' SPW (CRAWLER)	76 HP D	105,822	26.51		6.32	12.03	3.06	230	
1335	MOD PF-500 10' SPW (CRAWLER)	107 HP D	129,201	33.10		7.71	14.68	4.31	291	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT
			CONDITION	AVERAGE	SEVERE	STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP	
ASPHALT KETTLES - ROSCO									
1345	MOD KB 110 GAL. TRAILER MOUNTED	3,339	1.71			0.21	0.43	0.00	13
1350	MOD KD 225 GAL. TRAILER MOUNTED	3,876	1.94			0.25	0.50	0.00	16
ASPHALT RECYCLER - BOMAG									
1360	MOD AR-6 TRAILER MOUNTED	8 HP G	9,229	4.54		0.60	1.21	0.66	21
BROOMS - M-B									
1370	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER		5,300	1.24		0.31	0.59	0.00	24
1375	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	30 HP G	7,102	4.50		0.43	0.80	2.47	30
1380	MOD HT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		2,425	0.65		0.14	0.27	0.00	10
1385	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		4,071	0.93		0.24	0.46	0.00	14
BRUSH CHIPPERS - FITCHBERG									
1395	MOD TWC-612 CAP. TO 6" DIA. LOG 151 HP G	10,237	13.68			0.61	1.19	8.68	40
1400	MOD TWC-915 CAP. TO 9" DIA. LOG 165 HP G	11,770	15.08			0.70	1.37	9.49	42
1405	MOD PT-540 CAP. TO 6" PTO/DRIVE		5,058	1.34		0.30	0.59	0.00	15
BUCKETS, CLAMSHELL									
ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1415	.75 C.Y.	8,849	1.73	2.19	0.53	1.05	0.00	1.22	0.00
1420	1.0 C.Y.	10,325	2.00	2.55	0.61	1.21	0.00	1.42	0.00
1425	1.5 C.Y.	15,176	2.96	3.77	0.91	1.79	0.00	2.10	0.00
1430	2.0 C.Y.	17,173	3.35	4.26	1.03	2.03	0.00	2.37	0.00
1435	2.5 C.Y.	22,379	4.36	5.56	1.34	2.64	0.00	3.10	0.00
1440	3.0 C.Y.	23,705	4.61	5.89	1.41	2.79	0.00	3.28	0.00

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.	OWNER-SHIP	FUEL											
BUCKETS, CLAMSHELL (CONT'D)																			

ESCO - MODEL GPS GEN PURPOSE & SQUARE NOSE (CONT'D)																			
1445	3.5 C.Y.	24,237	4.72	6.01	1.44	2.86	0.00	3.35	0.00	110									
1450	4.0 C.Y.	26,684	5.20	6.62	1.59	3.15	0.00	3.69	0.00	120									
1455	4.5 C.Y.	28,844	5.62	7.15	1.72	3.40	0.00	3.98	0.00	132									
1460	5.0 C.Y.	31,235	6.08	7.75	1.86	3.68	0.00	4.32	0.00	146									
1465	5.5 C.Y.	33,709	6.56	8.36	2.01	3.97	0.00	4.66	0.00	158									
1470	6.0 C.Y.	34,892	6.79	8.65	2.08	4.11	0.00	4.82	0.00	166									
1475	6.5 C.Y.	37,741	7.36	9.37	2.26	4.46	0.00	5.22	0.00	177									
1480	7.0 C.Y.	38,858	7.57	9.64	2.32	4.58	0.00	5.37	0.00	185									
1485	7.5 C.Y.	40,319	7.86	10.00	2.41	4.76	0.00	5.57	0.00	192									
ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE																			
1495	.75 C.Y.	9,262	1.80	2.30	0.55	1.09	0.00	1.28	0.00	35									
1500	1.0 C.Y.	12,535	2.44	3.11	0.75	1.48	0.00	1.73	0.00	49									
1505	1.5 C.Y.	18,218	3.55	4.52	1.09	2.15	0.00	2.52	0.00	74									
1510	2.0 C.Y.	19,650	3.83	4.88	1.17	2.32	0.00	2.72	0.00	82									
1515	2.5 C.Y.	24,972	4.86	6.19	1.49	2.94	0.00	3.45	0.00	105									
1520	3.0 C.Y.	27,304	5.32	6.78	1.63	3.22	0.00	3.78	0.00	116									
1525	3.5 C.Y.	29,450	5.74	7.31	1.75	3.47	0.00	4.07	0.00	126									
1530	4.0 C.Y.	31,645	6.16	7.86	1.89	3.73	0.00	4.38	0.00	137									
1535	4.5 C.Y.	33,972	6.61	8.42	2.02	4.00	0.00	4.69	0.00	147									
1540	5.0 C.Y.	37,383	7.29	9.28	2.23	4.41	0.00	5.17	0.00	163									
1545	5.5 C.Y.	39,440	7.68	9.79	2.35	4.65	0.00	5.46	0.00	172									
1550	6.0 C.Y.	41,723	8.14	10.36	2.49	4.93	0.00	5.77	0.00	182									
1555	6.5 C.Y.	43,481	8.48	10.79	2.60	5.13	0.00	6.01	0.00	193									
1560	7.0 C.Y.	45,290	8.82	11.24	2.70	5.34	0.00	6.26	0.00	201									
1565	7.5 C.Y.	47,085	9.17	11.68	2.81	5.55	0.00	6.51	0.00	209									

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.	OWNER-SHIP	FUEL	OWNER-SHIP	
			AVERAGE	SEVERE						
BUCKETS, CLAMSHELL (CONT'D)										

ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE										
1575	.75 C.Y.	14,053	2.73	3.49	0.83	1.65	0.00	1.95	0.00	52
1580	1.0 C.Y.	14,322	2.79	3.55	0.86	1.69	0.00	1.98	0.00	58
1585	1.5 C.Y.	21,260	4.15	5.28	1.27	2.51	0.00	2.94	0.00	85
1590	2.0 C.Y.	25,739	5.01	6.39	1.53	3.03	0.00	3.56	0.00	103
1595	2.5 C.Y.	28,713	5.59	7.13	1.71	3.38	0.00	3.97	0.00	119
1600	3.0 C.Y.	31,173	6.08	7.74	1.86	3.68	0.00	4.31	0.00	135
1605	3.5 C.Y.	32,761	6.39	8.13	1.96	3.87	0.00	4.53	0.00	149
1610	4.0 C.Y.	34,700	6.76	8.60	2.07	4.09	0.00	4.79	0.00	158
1615	4.5 C.Y.	36,336	7.09	9.01	2.17	4.29	0.00	5.02	0.00	168
1620	5.0 C.Y.	38,965	7.59	9.67	2.32	4.59	0.00	5.39	0.00	181
1625	5.5 C.Y.	41,250	8.04	10.23	2.46	4.87	0.00	5.70	0.00	193
1630	6.0 C.Y.	43,363	8.45	10.77	2.58	5.11	0.00	6.00	0.00	203
1635	6.5 C.Y.	46,980	9.15	11.66	2.80	5.54	0.00	6.50	0.00	220
1640	7.0 C.Y.	48,383	9.42	12.02	2.88	5.70	0.00	6.70	0.00	230
1645	7.5 C.Y.	50,515	9.85	12.53	3.01	5.96	0.00	6.98	0.00	241
BUCKETS, CONCRETE - GAR-BRO										

GENERAL PURPOSE & MANUAL										
1655	433-G 1.0 C.Y.	1,333	0.25		0.08	0.15	0.00			6
1660	442-G 1.5 C.Y.	1,666	0.33		0.10	0.20	0.00			8
1665	462-G 2.0 C.Y.	2,168	0.43		0.13	0.26	0.00			11
1670	493-G 3.0 C.Y.	3,070	0.60		0.18	0.36	0.00			19
1675	4123-G 4.0 C.Y.	3,887	0.76		0.24	0.46	0.00			23

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						
BUCKETS, CONCRETE - GAR-BRO (CONT'D)														
LOW SLUMP - AIR OPERATED GATE														
1685	440-A 1.0 C.Y.	5,802	1.13		0.34	0.68	0.00		19					
1690	450-A 1.5 C.Y.	6,036	1.17		0.36	0.71	0.00		21					
1695	460-A 2.0 C.Y.	6,264	1.22		0.37	0.74	0.00		23					
1700	493-A 3.0 C.Y.	8,188	1.60		0.49	0.97	0.00		42					
1705	4139-A 4.0 C.Y.	8,487	1.65		0.51	1.00	0.00		52					
1710	4200-A 6.0 C.Y. DBL. COMPT.	12,280	2.39		0.73	1.45	0.00		72					
1715	4250-A 8.0 C.Y. DBL. COMPT.	14,709	2.86		0.88	1.73	0.00		80					
LAYDOWN - HEAVY DUTY - AIR GATE														
1725	425-A 1.0 C.Y.	6,621	1.30		0.40	0.79	0.00		26					
1730	465-A 2.0 C.Y.	7,496	1.46		0.45	0.88	0.00		31					
1735	495-A 3.0 C.Y.	8,548	1.67		0.51	1.01	0.00		40					
1740	4125-A 4.0 C.Y.	9,501	1.85		0.57	1.12	0.00		49					
1745	4155-A 5.0 C.Y.	11,120	2.18		0.67	1.32	0.00		60					
BUCKETS, DRAGLINE														
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED														
1760	.75 C.Y.	2,962	0.58	0.74	0.18	0.35	0.00	0.41	0.00					
1765	1.0 C.Y.	3,512	0.68	0.87	0.21	0.41	0.00	0.48	0.00					
1770	1.5 C.Y.	4,279	0.83	1.07	0.25	0.50	0.00	0.60	0.00					
1775	2.0 C.Y.	5,053	0.98	1.26	0.30	0.59	0.00	0.70	0.00					
1780	2.5 C.Y.	5,936	1.16	1.47	0.36	0.70	0.00	0.82	0.00					
1785	3.0 C.Y.	7,318	1.42	1.81	0.43	0.86	0.00	1.01	0.00					
1790	3.5 C.Y.	8,098	1.58	2.01	0.49	0.96	0.00	1.12	0.00					
1795	4.0 C.Y.	9,856	1.93	2.44	0.59	1.17	0.00	1.36	0.00					
1800	4.5 C.Y.	10,465	2.04	2.60	0.62	1.23	0.00	1.45	0.00					
1805	5.0 C.Y.	12,626	2.46	3.14	0.76	1.49	0.00	1.75	0.00					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
BUCKETS, DRAGLINE (CONT'D)												
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED (CONT'D)												
1810	6.0 C.Y.	13,693	2.67	3.39	0.82	1.62	0.00	1.89	0.00	90		
1815	7.0 C.Y.	14,966	2.91	3.71	0.89	1.76	0.00	2.07	0.00	101		
1820	8.0 C.Y.	16,592	3.24	4.11	0.99	1.96	0.00	2.29	0.00	112		
1825	9.0 C.Y.	19,166	3.73	4.76	1.14	2.26	0.00	2.65	0.00	128		
1830	10.0 C.Y.	20,826	4.06	5.17	1.25	2.46	0.00	2.88	0.00	139		
1835	12.0 C.Y.	25,613	4.99	6.35	1.53	3.02	0.00	3.54	0.00	166		
1840	14.0 C.Y.	29,451	5.74	7.31	1.75	3.47	0.00	4.07	0.00	191		
HENDRIX - MODEL TS, MEDIUM WEIGHT												
1850	.75 C.Y.	3,453	0.68	0.86	0.21	0.41	0.00	0.48	0.00	17		
1855	1.0 C.Y.	4,248	0.83	1.05	0.25	0.50	0.00	0.58	0.00	19		
1860	1.5 C.Y.	5,229	1.02	1.29	0.31	0.62	0.00	0.72	0.00	28		
1865	2.0 C.Y.	6,230	1.21	1.55	0.37	0.73	0.00	0.87	0.00	36		
1870	2.5 C.Y.	7,182	1.40	1.78	0.43	0.85	0.00	0.99	0.00	41		
1875	3.0 C.Y.	8,585	1.67	2.12	0.51	1.01	0.00	1.18	0.00	49		
1880	3.5 C.Y.	9,484	1.85	2.35	0.57	1.12	0.00	1.31	0.00	54		
1885	4.0 C.Y.	11,371	2.21	2.83	0.68	1.34	0.00	1.58	0.00	70		
1890	4.5 C.Y.	12,170	2.38	3.02	0.73	1.44	0.00	1.68	0.00	72		
1895	5.0 C.Y.	15,597	3.04	3.87	0.93	1.84	0.00	2.16	0.00	93		
1900	6.0 C.Y.	16,118	3.14	4.00	0.96	1.90	0.00	2.23	0.00	96		
1905	7.0 C.Y.	18,394	3.59	4.56	1.10	2.17	0.00	2.54	0.00	111		
1910	8.0 C.Y.	20,252	3.95	5.03	1.21	2.39	0.00	2.80	0.00	122		
1915	9.0 C.Y.	24,238	4.72	6.01	1.44	2.86	0.00	3.35	0.00	149		
1920	10.0 C.Y.	25,810	5.04	6.41	1.54	3.05	0.00	3.57	0.00	159		
1925	12.0 C.Y.	32,897	6.41	8.17	1.96	3.88	0.00	4.55	0.00	202		
1930	14.0 C.Y.	36,630	7.14	9.09	2.18	4.32	0.00	5.06	0.00	225		

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-	FUEL	OWNER-	FUEL	
*****BUCKETS, DRAGLINE (CONT'D)*****										
	HENDRIX - MODEL MH-S, HEAVY WEIGHT									
1940	2.75 C.Y.	13,798	2.68	3.43	0.82	1.62	0.00	1.91	0.00	69
1945	3.0 C.Y.	14,349	2.80	3.57	0.86	1.70	0.00	1.99	0.00	72
1950	3.5 C.Y.	16,065	3.14	3.99	0.96	1.90	0.00	2.22	0.00	81
1955	4.0 C.Y.	21,483	4.18	5.33	1.28	2.53	0.00	2.97	0.00	110
1960	4.5 C.Y.	24,018	4.68	5.97	1.43	2.83	0.00	3.33	0.00	123
1965	5.0 C.Y.	24,802	4.84	6.16	1.48	2.93	0.00	3.43	0.00	127
1970	6.0 C.Y.	26,558	5.18	6.59	1.59	3.14	0.00	3.67	0.00	136
1975	7.0 C.Y.	33,760	6.59	8.38	2.02	3.99	0.00	4.67	0.00	175
1980	8.0 C.Y.	34,723	6.76	8.62	2.07	4.09	0.00	4.80	0.00	180
1985	9.0 C.Y.	44,146	8.60	10.95	2.63	5.20	0.00	6.10	0.00	234
1990	10.0 C.Y.	45,682	8.89	11.33	2.72	5.38	0.00	6.31	0.00	243
1995	12.0 C.Y.	54,332	10.59	13.48	3.24	6.41	0.00	7.51	0.00	289
2000	14.0 C.Y.	58,094	11.32	14.41	3.46	6.85	0.00	8.03	0.00	309
SAUERMAN - CRESCENT SCRAPER WITH DRAGLINE CONVERSION KIT										
2010	SC-1050-K 1.0 C.Y.	9,479	1.85	2.35	0.57	1.12	0.00	1.31	0.00	15
2015	SC-1060-K 1.5 C.Y.	12,138	2.36	3.01	0.73	1.43	0.00	1.68	0.00	20
2020	SC-1070-K 2.0 C.Y.	16,646	3.25	4.13	1.00	1.97	0.00	2.30	0.00	25
2025	SC-1090-K 3.0 C.Y.	22,008	4.28	5.46	1.31	2.59	0.00	3.04	0.00	36
2030	SC-1100-K 4.0 C.Y.	32,915	6.41	8.17	1.96	3.88	0.00	4.55	0.00	49
2035	SC-1110-K 5.0 C.Y.	37,523	7.32	9.31	2.24	4.43	0.00	5.19	0.00	58
2040	SC-1120-K 6.0 C.Y.	45,487	8.87	11.29	2.72	5.37	0.00	6.29	0.00	68
2045	SC-1130-K 8.0 C.Y.	55,245	10.77	13.71	3.30	6.52	0.00	7.64	0.00	88
2050	SC-1140-K 10.0 C.Y.	67,032	13.06	16.64	3.99	7.90	0.00	9.27	0.00	106
2055	SC-1150-K 12.0 C.Y.	77,733	15.15	19.29	4.63	9.17	0.00	10.75	0.00	132

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT
			AVERAGE	SEVERE	STAND-BY	AVERAGE OWNER-SHIP	FUEL	SEVERE OWNER-SHIP	
COMPACTORS, MANUALLY OPERATED									
2065	UR-12 INGERSOLL-RAND RAMMER	3 HP G	1,534	0.98		0.12	0.27	0.34	1
2070	GVR75Y WACKER RAMMER	3 HP G	1,207	0.86		0.09	0.21	0.34	1
2075	GVR100 WACKER RAMMER	5 HP G	1,640	1.30		0.12	0.28	0.57	1
2080	GVR151Y WACKER RAMMER	5 HP G	2,121	1.47		0.16	0.36	0.57	2
2085	GVR220Y WACKER RAMMER	6 HP G	2,741	1.82		0.21	0.47	0.68	2
2090	VPG160B WACKER VIBRO PLATE	3 HP G	1,058	0.81		0.09	0.19	0.34	2
2095	VPG260K WACKER VIBRO PLATE	7 HP G	1,657	1.58		0.12	0.28	0.80	3
2100	VPG600 WACKER VIBRO PLATE	9 HP G	3,110	2.38		0.23	0.53	1.02	7
2105	DPS2350 WACKER VIBRO PLATE	7 HP D	3,298	1.67		0.25	0.57	0.39	4
2110	DPS4570 WACKER VIBRO PLATE	10 HP D	5,288	2.59		0.40	0.91	0.56	8
2115	DVU4001 WACKER VIBRO PLATE	10 HP D	10,833	4.58		0.81	1.86	0.56	13
2120	W 55 T WACKER D/D ROLLER	8 HP D	10,408	4.29		0.78	1.78	0.45	17
2125	W 74 T WACKER D/D ROLLER	8 HP D	11,745	4.77		0.88	2.01	0.45	19
2130	BW 75 SL BOMAG D/D ROLLER	9 HP D	13,216	5.36		0.99	2.26	0.51	27
2135	BW 90 SL BOMAG D/D ROLLER	13 HP D	16,060	6.66		1.20	2.75	0.73	35
CONCRETE BUGGIES - AEROIL									
2145	5 CF WALK-BEHIND	5 HP G	1,428	0.88		0.09	0.17	0.44	3
CONCRETE FINISHERS - BOMAG									
2155	MOD F46B4 GYRO TROWEL	7 HP G	1,350	1.09		0.08	0.15	0.62	2
2160	MOD RF2B4 DOUBLTROWEL	16 HP G	5,329	2.96		0.31	0.62	1.42	7
2165	MOD RF3B3 TRIPLTROWEL	16 HP G	6,872	3.29		0.41	0.81	1.42	9

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION		STAND-BY	OWNER-SHIP	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE			FUEL	OWNER-SHIP	FUEL						
CONCRETE PAVERS															

CMI															
2175	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANES, AND SIDEWALKS	142 HP D	121,653	33.29		7.26	13.83	5.72		263					
2180	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP D	216,743	56.99		12.93	24.63	8.38		470					
2185	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	382,539	94.54		22.82	43.47	10.07		720					
GOMACO															
2195	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	50 HP G	23,999	10.57		1.43	2.71	4.12		91					
2200	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	110,834	28.82		6.62	12.60	4.03		240					
CONCRETE PLACERS, SHOTCRETE															

ALLENTOWN															
2210	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP D	21,949	6.66		1.42	2.99	0.71		45					
2215	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP D	24,389	7.92		1.59	3.34	1.19		60					
2220	GM27 ROTARY GUN 1-4 CY/HR INCL. HOSE,REQ. 400 CFM COMP.	400CFM A	9,103	2.56		0.59	1.25	0.00		15					
2225	GM57 ROTARY GUN 4-12 CY/HR INCL. HOSE,REQ. 600 CFM COMP.	600CFM A	14,607	4.12		0.96	2.02	0.00		30					
CHALLENGE SQUEEZ-CRETE															
2235	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP D	42,704	15.91		2.78	5.88	3.68		70					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	OWNER-SHIP	AVERAGE FUEL	SEVERE COND.	OWNER-SHIP	
	CONCRETE PUMPS									

	MORGEN									
2245	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	50,338	21.57		3.29	6.94	6.53			70
2250	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	127,957	51.70		8.34	17.56	14.11			255
	SCHWING									
2260	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	44,548	16.78		2.91	6.14	3.98			66
2265	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	69,703	29.83		4.53	9.54	9.02			98
2270	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	71,627	30.34		4.66	9.81	9.02			98
2275	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	135,483	50.71		8.77	18.41	11.76			302
2280	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	197,630	67.04		12.83	26.96	11.76			321
2285	MOD BPL1201 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	246,962	85.61		15.99	33.54	16.06			408
2290	MOD BPL3000 TRUCK MTD 118 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	249,848	86.37		16.18	33.94	16.06			408
	CRANES, SHOVEL, BACKHOE, DRAGLINE									

	AMERICAN - CRAWLER TYPE									
	MOD 4120 DRAGLINE 1 CY 93 HP D 13'-7" CRAWLERS W/28" SHOES									
2300	DRAGLINE OR CLAMSHELL (LESS BUCKET)	167,236	31.75	38.97	9.33	17.44	2.96	19.71	3.75	635
	MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES									
2305	DRAGLINE OR CLAMSHELL (LESS BUCKET)	228,572	38.55	45.63	11.89	20.75	3.63	22.65	4.59	814
2310	CRANE 35-T W/65' BOOM	235,760	34.75	40.19	12.39	20.87	2.90	22.69	3.75	803
	MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES									
2320	CRANE 40-T W/75' BOOM	249,373	36.58	42.26	13.11	22.09	2.90	24.01	3.75	962

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	FUEL	SEVERE OWNER-SHIP	FUEL		
			AVERAGE	SEVERE							
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D)										
	AMERICAN - CRAWLER TYPE (CONT'D)										
	MOD 5299-A LIFTING CRANE T/C 114 HP D 17'-6" CRAWLERS W/32" SHOES										
2330	CRANE 50-T W/75' BOOM	263,637	38.46	44.42	13.85	23.34	2.90	25.38	3.75	1088	
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES										
2340	DRAGLINE OR CLAMSHELL (LESS BUCKET)	317,969	53.98	63.92	16.53	28.87	5.34	31.51	6.77	1278	
2345	CRANE 40-T W/75' BOOM	311,454	46.44	53.78	16.37	27.58	4.27	29.99	5.52	1262	
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES										
2355	CRANE 60-T W/80' BOOM	331,796	45.97	52.10	16.66	26.61	4.27	28.34	5.52	1421	
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES										
2365	CRANE 100T W/200' BOOM	422,174	57.10	64.52	21.19	33.85	4.27	36.06	5.52	1886	
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES										
2375	CRANE 110-T W/200' BOOM	554,757	77.03	87.37	27.85	44.49	7.30	47.39	9.43	2792	
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES										
2385	CRANE 125T W/270' BOOM	578,600	79.97	90.64	29.05	46.40	7.30	49.42	9.43	3150	
2390	DRAGLINE OR CLAMSHELL (LESS BUCKET)	554,898	86.92	100.62	27.43	45.37	9.13	48.50	11.56	2950	
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES										
2400	CRANE 150T W/280' BOOM	657,276	89.69	101.45	33.00	52.72	7.30	56.14	9.43	3400	
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES										
2410	CRANE 165T W/290' BOOM	683,769	90.93	101.78	33.52	51.98	7.30	54.83	9.43	3580	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	SEVERE OWNER-SHIP	FUEL	AVERAGE FUEL COND.		
			AVERAGE	SEVERE					SEVERE FUEL COND.		
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) *****										
	AMERICAN - CRAWLER TYPE (CONT'D)										
2420	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES	739,242	97.62	109.14	36.24	56.20	7.30	59.28	9.43	3990	
	CRANE 225T W/280' BOOM										
	BUCYRUS ERIE - CRAWLER TYPE										
	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES	175,503	33.99	41.72	9.80	18.31	3.66	20.68	4.63	647	
2435	DRAGLINE OR CLAMSHELL (LESS BUCKET)	185,652	28.14	32.63	9.76	16.44	2.93	17.87	3.78	651	
2440	CRANE 28-T W/50' BOOM										
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES	242,514	46.89	57.08	13.18	24.03	5.34	26.79	7.02	792	
2450	BACKHOE										
2455	DRAGLINE OR CLAMSHELL (LESS BUCKET)	238,049	41.10	48.71	12.38	21.61	4.58	23.59	5.80	833	
2460	CRANE 35-T W/60' BOOM	239,229	36.12	41.88	12.57	21.18	3.66	23.03	4.73	831	
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES										
2470	SHOVEL	337,955	64.35	78.24	18.36	33.49	6.60	37.32	8.68	1279	
2475	DRAGLINE OR CLAMSHELL (LESS BUCKET)	343,750	58.22	68.93	17.87	31.20	5.66	34.07	7.17	1192	
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES										
2485	SHOVEL	490,251	82.41	97.05	25.01	42.84	7.61	46.40	10.00	1762	
2490	BACKHOE	469,347	79.29	93.41	23.95	41.02	7.61	44.42	10.00	1727	
2495	DRAGLINE OR CLAMSHELL (LESS BUCKET)	474,902	72.86	84.19	23.48	38.83	6.52	41.51	8.26	1570	
2500	CRANE 51-T W/70' BOOM	467,375	63.80	72.19	23.46	37.48	5.22	39.93	6.74	1571	
	MOD 61-B SER-2 110-T 4 CY T/C 243 HP D 20'-6" CRAWLERS W/42" SHOES										
2510	CRANE 110T W/160' BOOM	581,284	78.99	89.30	29.18	46.62	6.18	49.65	7.98	2123	
2515	DRAGLINE OR CLAMSHELL (LESS BUCKET)	555,049	85.29	98.55	27.44	45.38	7.73	48.51	9.79	1973	

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.	OWNERSHIP	FUEL	OWNERSHIP	
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) *****									
	BUCYRUS ERIE - CRAWLER TYPE (CONT'D)									
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2525	SHOVEL	593,489	99.68	117.35	30.29	51.87	9.13	56.17	11.99	2096
2530	BACKHOE	561,846	94.94	111.84	28.67	49.11	9.13	53.17	11.99	2000
2535	DRAGLINE OR CLAMSHELL (LESS BUCKET)	546,532	84.24	97.35	27.02	44.69	7.82	47.76	9.91	1768
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES									
2545	SHOVEL	828,361	139.88	156.58	40.96	67.74	13.54	72.40	17.80	2822
2550	DRAGLINE OR CLAMSHELL (LESS BUCKET)	669,001	101.67	116.36	32.80	50.86	11.61	53.65	14.70	2274
	LINK BELT (FMC) - CRAWLER TYPE									
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/24" SHOES									
2565	CRANE 40-T W/50' BOOM	181,164	27.38	31.75	9.52	16.04	2.80	17.44	3.61	772
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES									
2575	CRANE 60-T W/80' BOOM	276,230	39.04	44.37	13.87	22.16	4.20	23.60	5.42	1232
	MOD LS-338 LIFTING CRANE T/C 170 HP D 20'-0" CRAWLERS W/38" SHOES									
2585	CRANE 100-T W/200' BOOM	381,138	52.10	58.98	19.13	30.56	4.32	32.56	5.59	1512
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W/44" SHOES									
2595	CRANE 150-T W/250' BOOM	608,199	82.36	93.08	30.53	48.77	6.23	51.95	8.05	2712
	MANITOWOC - CRAWLER TYPE									
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES									
2610	DRAGLINE OR CLAMSHELL (LESS BUCKET)	397,086	65.27	75.88	19.63	32.47	9.13	34.71	11.56	2306
2615	CRANE 100T W/210' BOOM	430,225	61.68	70.25	21.60	34.51	7.30	36.75	9.43	2354

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.	OWNER-SHIP	FUEL				
CRANES, SHOVEL, B/H, DRAGLINE (CONT'D)												

MANITOWOC - CRAWLER TYPE (CONT'D)												
MOD 3900W VICON SER2 4 CY T/C 333 HP D 24'-0" CRAWLERS W/48" SHOES												
2625	DRAGLINE OR CLAMSHELL (LESS BUCKET)	506,011	81.94	95.14	25.01	41.37	10.59	44.23	13.41	2763		
2630	CRANE 140T W/250' BOOM	512,464	73.19	83.34	25.72	41.09	8.47	43.78	10.94	2815		
MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES												
2640	DRAGLINE OR CLAMSHELL (LESS BUCKET)	672,818	105.84	122.57	33.26	55.01	11.45	58.81	14.50	3788		
2645	CRANE 200T W/260' BOOM	680,750	92.77	104.21	33.38	51.75	9.16	54.59	11.83	3929		
MOD 4600 VICON SERIES 3 7CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES												
2655	CRANE 240T W/260' BOOM	1,048,528	146.81	165.58	51.41	79.71	17.43	84.09	22.51	5095		
2660	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,068,446	166.19	190.69	52.38	81.22	21.78	85.69	27.59	5083		
NORTHWEST - CRAWLER TYPE												
MOD 50-D 1.5 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES												
2675	DRAGLINE OR CLAMSHELL (LESS BUCKET)	238,328	44.67	53.24	12.39	21.64	7.57	23.61	9.59	954		
2680	CRANE 45-T W/60' BOOM	235,655	38.47	44.99	12.39	20.87	6.05	22.69	7.82	947		
MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES												
2690	SHOVEL	401,459	78.71	95.91	21.81	39.78	9.76	44.34	12.82	1510		
2695	DRAGLINE OR CLAMSHELL (LESS BUCKET)	344,525	61.53	73.10	17.91	31.27	8.36	34.14	10.59	1274		
2700	CRANE 40-T W/50' BOOM	340,820	53.20	61.92	17.92	30.19	6.69	32.81	8.64	1267		
MOD 9570 4.0 CY T/C 263 HP D 19'-0" CRAWLERS W/38" SHOES												
2710	DRAGLINE OR CLAMSHELL (LESS BUCKET)	430,542	68.96	79.98	21.29	35.21	8.36	37.63	10.59	1580		
2715	CRANE 60-T W/50' BOOM	426,825	60.54	68.86	21.43	34.23	6.69	36.46	8.64	1565		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL OWNER-SHIP	FUEL						
CRANES, SHOVEL,B/H,DRAGLINE (CONT'D)														
NORTHWEST - CRAWLER TYPE (CONT'D)														
MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES														
2725	SHOVEL	664,155	115.17	136.09	33.89	58.05	13.28	62.86	17.46	2571				
2730	DRAGLINE OR CLAMSHELL (LESS BUCKET)	598,427	95.56	110.81	29.59	48.93	11.38	52.30	14.42	2365				
2735	CRANE 97.5-T W/170' BOOM	619,581	87.17	99.02	31.11	49.69	9.11	52.92	11.76	2464				
MOD 190-D WT SERIES 2 T/C 430 HP D 21'-1" CRAWLERS W/54" SHOES														
2745	DRAGLINE 6.5 CY (LESS BUCKET)	630,404	99.02	113.74	30.90	47.92	13.67	50.56	17.32	2740				
2750	CRANE 100-T W/170' BOOM	670,122	95.56	108.76	33.64	53.74	10.94	57.24	14.13	2872				
P & H - CRAWLER TYPE														
MOD 535 1.25 CY T/C 190 HP D 15'-8" CRAWLERS W/30" SHOES														
2765	DRAGLINE OR CLAMSHELL (LESS BUCKET)	222,874	40.55	48.23	11.58	20.23	6.04	22.08	7.65	880				
2770	CRANE 35-T W/50' BOOM	219,868	34.93	40.72	11.56	19.47	4.83	21.16	6.24	880				
MOD 550 1.75 CY T/C 190 HP D 18'-0" CRAWLERS W/30" SHOES														
2780	DRAGLINE (LESS BUCKET)	253,793	45.19	53.67	13.19	23.04	6.04	25.15	7.65	1028				
2785	CRANE 50-T W/80' BOOM	251,118	39.08	45.46	13.20	22.24	4.83	24.17	6.24	1028				
MOD 670WLC 2 CY T/C 190 HP D 18'-6" CRAWLERS W/30" SHOES														
2795	DRAGLINE OR CLAMSHELL (LESS BUCKET)	325,534	55.94	66.29	16.92	29.55	6.04	32.26	7.65	1344				
2800	CRANE 70-T W/150' BOOM	343,598	48.07	54.58	17.25	27.55	4.83	29.35	6.24	1466				

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.	OWNER-SHIP	FUEL				
CRANES, HYDRAULIC SELF-PROPELLED												
GROVE												
2815	MOD RT58A	14 TON	112 HP D	96,942	19.35		4.96	8.06	4.51			
2820	MOD RT515	15 TON	115 HP D	104,796	20.56		5.36	8.73	4.63			
2825	MOD RT518	18 TON	115 HP D	118,443	22.73		6.04	9.77	4.63			
2830	MOD RT522	22 TON	115 HP D	129,682	24.25		6.61	10.71	4.63			
2835	MOD RT625	25 TON	156 HP D	168,866	31.27		8.62	13.98	6.28			
2840	MOD RT740	40 TON	170 HP D	236,053	42.31		12.02	19.44	6.85			
2845	MOD RT755	55 TON	170 HP D	281,813	49.04		14.33	23.13	6.85			
2850	MOD RT865	65 TON	208 HP D	346,824	59.63		17.69	28.71	8.38			
2855	MOD RT980	80 TON	230 HP D	447,972	75.44		22.81	36.92	9.26			
LORAIN												
2865	MOD LRT150	15 TON	120 HP D	102,249	20.25		5.25	8.59	4.83			
2870	MOD LRT180	18 TON	120 HP D	110,158	21.31		5.65	9.26	4.83			
2875	MOD LRT220	22 TON	120 HP D	117,854	22.34		6.05	9.92	4.83			
P & H												
2885	MOD OMEGA 15	15 TON	125 HP D	99,507	20.14		5.10	8.35	5.03			
2890	MOD OMEGA 18	18 TON	125 HP D	104,254	20.78		5.35	8.76	5.03			
2895	MOD OMEGA 20	20 TON	125 HP D	107,915	21.27		5.54	9.07	5.03			
2900	MOD OMEGA 23	23 TON	125 HP D	123,325	23.69		6.31	10.27	5.03			
2905	MOD OMEGA 25	25 TON	155 HP D	157,582	30.61		8.00	12.90	6.24			
2910	MOD OMEGA 30	30 TON	155 HP D	162,267	31.24		8.25	13.30	6.24			
2915	MOD OMEGA 35	35 TON	202 HP D	225,099	42.50		11.45	18.51	8.14			
2920	MOD OMEGA 40	40 TON	202 HP D	232,479	43.49		11.84	19.14	8.14			
2925	MOD OMEGA 45	45 TON	202 HP D	239,191	44.38		12.18	19.71	8.14			
2930	MOD OMEGA 65	65 TON	235 HP D	318,936	57.28		16.25	26.33	9.47			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CRANES, HYD SELF-PROPELLED (CONT'D)														
PETTIBONE														
2940	MOD 25	12.5 TON	120 HP D	101,285	20.12	5.19	8.50	4.83		456				
2945	MOD 36P	18 TON	120 HP D	116,631	22.53	5.97	9.70	4.83		492				
2950	MOD 100SC	50 TON	188 HP D	263,424	46.90	13.43	21.78	7.57		1050				
CRANES, HYDRAULIC TRUCK MOUNTED														
(HP & FUEL LISTED EQUIP/CARRIER)														
BUCYRUS ERIE														
2960	30-XC	30 TON W/80' BOOM	130/210 HP D/D	182,882	.30.75	35.79	8.99	14.74	6.75	15.75				
2965	60-XC	60 TON W/104' BOOM	197/238 HP D/D	321,991	51.10	59.22	15.85	26.05	9.65	27.83				
GROVE														
2975	TMS185	18 TON W/106' BOOM	172 HP D	178,091	31.42	37.42	9.32	15.60	6.93	16.95				
2980	TMS300	35 TON W/112' BOOM	203 HP D	206,656	35.52	41.80	10.15	16.63	8.18	17.76				
2985	TMS475	50 TON W/142' BOOM	213 HP D	262,329	42.64	49.85	12.90	21.18	8.58	22.63				
2990	TM875	80 TON W/146' BOOM	196/268 HP D/D	381,887	58.57	67.22	18.24	28.87	9.82	30.53				
2995	TM1150	115 TON W/172' BOOM	196/315 HP D/D	588,234	82.96	94.11	28.18	44.82	10.16	47.39				
3000	TM1400	140 TON W/173' BOOM	318/387 HP D/D	691,057	100.78	114.41	32.38	50.12	15.60	52.59				
LINK BELT (FMC)														
3010	HTC-25	25 TON W/95' BOOM	216 HP D	174,851	33.30	39.99	9.14	15.28	8.70	16.60				
3015	HTC-35	35 TON W/108' BOOM	216 HP D	204,822	35.77	42.19	10.08	16.56	8.70	17.69				
3020	HTC-50	50 TON W/122' BOOM	244 HP D	249,918	42.65	50.12	12.30	20.20	9.83	21.58				
PETTIBONE														
3030	50TKLSPC 25 TON W/95' BOOM	210 HP D	178,593	33.42	40.02	9.34	15.63	8.46	16.98	11.13				
3035	80TKLS 40 TON W/112' BOOM	244 HP D	227,806	40.10	47.29	11.20	18.38	9.83	19.62	12.93				
3040	100TKLSPC50 TON W/111' BOOM	244 HP D	253,705	43.16	50.73	12.48	20.49	9.83	21.89	12.93				
3045	160TKLSPC80 TON W/118' BOOM	365 HP D	403,313	67.21	78.39	19.27	30.53	14.70	32.27	19.34				
										1395				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		STAND-BY	ADJUSTABLE ELEMENTS				CWT				
			CONDITION	AVERAGE SEVERE		OWNER-SHIP	FUEL	SEVERE COND.	COND.					
CRANES, TRUCK MOUNTED														

(HP & FUEL LISTED EQUIP/CARRIER)														
AMERICAN														
3055	5470 65 TON W/170' BOOM	115/238 HP D/D	321,549	47.39	54.34	15.78	25.82	6.35	27.58	8.09	1175			
3060	5530 75 TON W/170' BOOM	115/238 HP D/D	328,997	47.44	53.90	15.75	25.00	6.35	26.43	8.09	1245			
3065	7460 90 TON W/200' BOOM	203/238 HP D/D	409,966	61.29	70.15	19.64	31.25	9.89	33.05	12.76	1503			
3070	7530 125 TON W/200' BOOM	203/350 HP D/D	459,024	68.37	78.07	21.98	34.93	10.70	36.94	13.70	1696			
3075	8460 165 TON W/200' BOOM	268/350 HP D/D	659,192	93.50	105.71	30.94	48.01	13.32	50.39	17.14	2320			
LINK BELT (FMC)														
3085	HC108C 50 TON W/150' BOOM	110/238 HP D/D	315,769	46.45	53.26	15.50	25.35	6.14	27.08	7.83	1197			
3090	HC218A 100 TON W/220' BOOM	165/318 HP D/D	438,115	64.26	73.22	20.92	33.13	8.94	35.02	11.42	1566			
3095	HC238A 140 TON W/230' BOOM	171/318 HP D/D	523,272	72.81	81.98	24.54	38.01	9.18	39.89	11.73	2068			
LORAIN														
3105	MC550A 50 TON W/160' BOOM	115/246 HP D/D	309,819	46.07	52.87	15.20	24.87	6.40	26.55	8.16	1111			
3110	MC670A 70 TON W/170' BOOM	150/290 HP D/D	353,509	52.52	59.94	16.92	26.89	8.13	28.44	10.39	1243			
3115	MC790 90 TON W/220' BOOM	220/290 HP D/D	437,856	66.77	76.55	20.91	33.11	10.95	35.00	14.10	1594			
3120	MC1400 140 TON W/230' BOOM	220/290 HP D/D	526,129	76.20	86.35	24.61	37.95	10.95	39.81	14.10	1950			
P & H														
3130	325TC 25 TON W/110' BOOM	83/190 HP D/D	208,921	32.61	38.05	10.92	18.28	4.71	19.86	5.99	645			
3135	430ATC 35 TON W/150' BOOM	90/210 HP D/D	235,862	35.05	40.20	11.61	19.07	5.14	20.37	6.53	763			
3140	440TC 40 TON W/170' BOOM	90/228 HP D/D	257,998	38.02	43.54	12.69	20.82	5.27	22.24	6.69	964			
3145	650ATC 50 TON W/150' BOOM	135/236 HP D/D	340,170	50.61	58.13	16.70	27.35	7.14	29.20	9.14	1178			
3150	670TC 70 TON W/180' BOOM	135/255 HP D/D	376,365	54.10	61.50	18.03	28.66	7.27	30.31	9.30	1340			
3155	790BTC 90 TON W/200' BOOM	160/350 HP D/D	420,890	61.74	70.31	20.14	31.98	8.96	33.81	11.42	1606			
3160	9115 125 TON W/220' BOOM	179/350 HP D/D	522,323	74.48	84.57	25.02	39.81	9.73	42.11	12.43	1709			
3165	9150 150 TON W/270' BOOM	210/350 HP D/D	567,429	80.10	90.43	26.62	41.26	10.98	43.30	14.07	1805			
3170	6250TC 300 TON W/320' BOOM	364/450 HP D/D	1,160,954	157.39	176.86	54.52	84.64	17.90	88.84	23.07	3928			

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					
DRILLS, BLAST HOLE, CRAWLER MTD														

GARDNER DENVER														
3180	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	65,367	14.58			3.90	7.69	0.00		91				
3185	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	59,941	13.54			3.57	7.05	0.00		93				
3190	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	68,309	15.54			4.07	8.04	0.00		95				
3195	AT3700A/PR66 ANGLE DRILL 4.0" HOLE 12' FEED	900CFM A	80,505	18.19		4.80	9.47	0.00		146				
3200	ATD5100/PR80H ANGLE DRILL 4.5" HOLE 20' FEED	1200CFM A	89,343	20.28		5.33	10.52	0.00		200				
INGERSOLL-RAND														
3210	ECM350/VL140 4.0" HOLE 12' FEED 750CFM A	73,729	16.54			4.40	8.68	0.00		129				
3215	ECM350/VL671 4.5" HOLE 12' FEED 900CFM A	80,428	18.16			4.80	9.47	0.00		131				
3220	CM2000/VL170 5.0" HOLE 24' FEED1400CFM A	91,253	20.85			5.44	10.73	0.00		170				
JOY														
3230	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	65,886	14.89			3.93	7.75	0.00		100				
3235	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	74,729	16.82			4.46	8.79	0.00		144				
3240	MUSTANG VCR280 5" HOLE 23' FEED1200CFM A	91,280	20.70			5.45	10.75	0.00		184				
DRILLS, CORE, AIR, COLUMN MOUNTED														
3250	LONGYEAR 24 WOLVERINE AX 700' 450CFM A	16,148	3.82			0.96	1.90	0.00		12				
3255	LONGYEAR 65D EX 600' 400CFM A	10,388	2.56			0.62	1.22	0.00		3				
3260	65D ROD PULLER 21" STROKE 400CFM A	1,544	0.57			0.09	0.18	0.00		1				
DRILLS, CORE, SKID MOUNTED														

ACKER														
3270	TEREDO MARK-II NX 1000' MAX 44 HP D	24,309	8.03			1.45	2.86	2.19		40				
3275	ACE MODEL C NX 725' MAX 20 HP D	16,905	4.93			1.01	1.99	1.00		45				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION		STAND-BY	OWNER-SHIP	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE			FUEL	OWNER-SHIP	FUEL						
DRILLS, CORE, SKID MOUNTED (CONT'D)															
LONGYEAR															
3285	MOD 24 STD AX 675' MAX	12 HP G	15,362	4.76		0.92	1.81	1.21		17					
3290	MOD 34 NX 1000' MAX	31 HP G	23,326	8.74		1.39	2.75	3.14		38					
3295	MOD 34 NX 1000' MAX	40 HP D	27,825	8.54		1.66	3.27	1.99		39					
3300	MOD 38 NX 1800' MAX	54 HP D	32,026	10.33		1.91	3.77	2.69		41					
3305	MOD 44 NX 2500' MAX	60 HP D	38,405	12.10		2.29	4.52	2.99		56					
SPRAGUE AND HENWOOD															
3315	MOD 37-H NX 400' MAX	18 HP G	14,636	5.30		0.87	1.72	1.82		18					
3320	MOD 40-CL NX 1050' MAX	49 HP D	22,621	7.97		1.35	2.66	2.44		27					
DRILLS, ROTARY															
INGERSOLL-RAND															
3330	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	286,204	64.98		14.82	25.72	15.15		550					
JOY-ROBBINS															
3340	RRT 35 TK MTD 6-1/4" TO 7-7/8"	225 HP D	267,932	57.21		13.88	24.06	11.21		600					
3345	RRT 50 TK MTD 6-3/4" TO 9-0"	335 HP D	409,608	86.71		21.22	36.82	16.69		860					
3350	RRT 60 TK MTD 6-3/4" TO 9-7/8"	350 HP D	435,624	91.73		22.57	39.17	17.44		960					
3355	RR10S CRLR MTD 6-3/4" TO 9-0"	410 HP D	310,117	74.27		16.13	28.13	20.43		1160					
3360	RR10HD ON D9 6-3/4" TO 10-5/8"	410 HP D	342,615	79.40		17.82	31.08	20.43		1340					
3365	RR10XHD ON D9 9-7/8" TO 12-1/4"	410 HP D	518,143	91.42		24.97	40.01	20.43		1830					
3370	RR12E CRLR MTD 9-0" TO 12-1"	725/450 HP E/E	959,851	151.56		46.26	74.12	35.52		2605					

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				
FORK LIFTS											

HYSTER - CHALLENGER											
3380	H30H 3000# @ 24" LC (LOAD CNTR)	63 HP G	23,481	11.07	1.38	2.71	5.20		71		
3385	H60C 6000# @ 24" LC	80 HP G	26,555	13.40	1.57	3.07	6.60		103		
3390	H110F 11000# @ 24" LC	116 HP G	40,554	19.83	2.40	4.71	9.57		163		
3395	H150H 15000# @ 24" LC	127 HP G	56,895	24.24	3.35	6.52	10.48		234		
3400	H200HS20000# @ 24" LC	PS 127 HP G	64,942	25.80	3.82	7.46	10.48		256		
3405	H250H 25000# @ 24" LC	PS 127 HP G	67,504	26.32	3.97	7.73	10.48		295		
3410	H300B 30000# @ 24" LC	PS 127 HP G	75,210	27.82	4.43	8.64	10.48		360		
3415	H460B 46000# @ 48" LC	PS 190 HP G	145,542	48.33	8.50	16.43	15.67		590		
GENERATOR SETS, ELECTRIC											

CATERPILLAR											
T = TURBOCHARGED											
TA = TURBOCHARGED AFTER COOLED											
SKID MOUNTED											
3430	MOD 3304 -T 240/480V 75 KW	129 HP D	18,944	9.73	12.27	1.13	1.98	5.20	2.10	6.84	37
3435	MOD 3306 -T 240/480V 130 KW	200 HP D	22,313	13.85	17.61	1.33	2.33	8.06	2.48	10.60	46
3440	MOD 3306 -TA 240/480V 150 KW	220 HP D	25,439	15.39	19.56	1.52	2.65	8.86	2.83	11.66	48
3445	MOD 3406 -T 240/480V 175 KW	260 HP D	26,932	17.64	22.49	1.61	2.81	10.47	3.00	13.78	57
3450	MOD 3406 -TA 240/480V 200 KW	295 HP D	30,529	20.02	25.50	1.83	3.19	11.88	3.40	15.63	59
3455	MOD 3408 -T 240/480V 225 KW	330 HP D	35,647	22.65	28.84	2.13	3.72	13.29	3.97	17.49	72
3460	MOD 3408 -TA 240/480V 265 KW	390 HP D	38,728	26.18	33.39	2.32	4.04	15.71	4.31	20.67	81
3465	MOD D353 -TA 240/480V 290 KW	425 HP D	70,927	33.51	42.14	4.24	7.40	17.12	7.89	22.52	114
3470	MOD 3412 -T 240/480V 300 KW	440 HP D	53,626	31.25	39.66	3.20	5.59	17.72	5.96	23.32	91
3475	MOD 3412 -TA 240/480V 440 KW	625 HP D	62,381	42.01	53.57	3.73	6.51	25.17	6.94	33.12	102
3480	MOD D348 -TA 240/480V 510 KW	730 HP D	95,084	52.92	67.03	5.68	9.92	29.40	10.57	38.69	140
3485	MOD D398B-TA 230/460V 565 KW	810 HP D	141,084	64.88	81.50	8.43	14.72	32.63	15.69	42.93	208
3490	MOD D399 -TA 230/460V 820 KW	1155 HP D	183,435	89.43	112.65	10.95	19.13	46.52	20.40	61.21	268

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT				
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL	SEVERE OWNER-SHIP	COND. FUEL					
GENERATOR SETS, ELECTRIC (CONT'D)													
ONAN													
SKID MOUNTED													
3505	120/240V 2.5 KW	6 HP G	1,275	0.84	1.04	0.08	0.14	0.49	0.14	0.64			
3510	120/240V 6.5 KW	14 HP G	2,876	1.93	2.44	0.17	0.30	1.15	0.32	1.50			
3515	120/240V 10.0 KW	20 HP G	3,141	2.60	3.30	0.19	0.33	1.65	0.35	2.15			
3520	120/240V 3.0 KW	6 HP D	3,326	0.88	1.07	0.20	0.35	0.24	0.37	0.32			
3525	120/240V 6.0 KW	12 HP D	4,416	1.36	1.67	0.27	0.46	0.48	0.49	0.64			
3530	120/240V 12.0 KW	22 HP D	6,357	2.20	2.73	0.38	0.66	0.89	0.71	1.17			
3535	120/240V 15 KW	27 HP D	6,512	2.48	3.07	0.39	0.68	1.09	0.72	1.43			
3540	120/240V 30 KW	63 HP D	9,662	4.81	6.08	0.57	1.00	2.54	1.08	3.34			
3545	120/240V 45 KW	87 HP D	12,776	6.55	8.28	0.76	1.33	3.50	1.42	4.61			
3550	120/240V 60 KW	102 HP D	14,689	7.64	9.65	0.88	1.53	4.11	1.63	5.41			
3555	120/240V 75 KW	162 HP D	17,481	11.12	14.16	1.04	1.82	6.53	1.95	8.59			
3560	120/240V 90 KW	162 HP D	18,318	11.27	14.32	1.09	1.91	6.53	2.04	8.59			
3565	120/240V 125 KW	210 HP D	21,169	14.16	18.05	1.27	2.21	8.46	2.36	11.13			
3570	120/240V 150 KW	276 HP D	25,074	18.12	23.16	1.49	2.61	11.12	2.79	14.63			
GRADERS, MOTOR													
CATERPILLAR													
3585	MOD 120-G	POWER SHIFT ARTIC	125 HP D	95,127	20.90	25.61	5.33	9.09	4.64	10.15			
3590	MOD 130-G	POWER SHIFT ARTIC	135 HP D	102,558	22.53	27.59	5.75	9.82	5.01	10.95			
3595	MOD 12-G	POWER SHIFT ARTIC	135 HP D	110,437	23.78	29.07	6.19	10.57	5.01	11.79			
3600	MOD 140-G	POWER SHIFT ARTIC	150 HP D	113,610	25.01	30.66	6.36	10.85	5.56	12.10			
3605	MOD 14-G	POWER SHIFT ARTIC	180 HP D	158,838	33.87	41.46	8.84	14.96	6.68	16.67			
3610	MOD 16-G	POWER SHIFT ARTIC	250 HP D	229,439	48.56	59.46	12.74	21.50	9.27	23.95			
										12.19			
										579			

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															
GRADERS, MOTOR (CONT'D)																			

CHAMPION																			
3620	MOD 710A	ARTICULATED	125 HP D	78,348	18.34	22.57	4.37	7.44	4.64	8.30	6.09	296							
3625	MOD 715A	ARTICULATED	152 HP D	88,929	21.30	26.25	4.97	8.46	5.64	9.43	7.41	306							
3630	MOD 720A	ARTICULATED	168 HP D	94,853	23.02	28.42	5.30	9.00	6.23	10.04	8.19	335							
3635	MOD 740A	ARTICULATED	181 HP D	102,296	24.75	30.52	5.73	9.76	6.72	10.88	8.83	350							
3640	MOD 710	NON-ARTICULATED	125 HP D	73,569	17.61	21.70	4.11	6.98	4.64	7.78	6.09	270							
3645	MOD 715	NON-ARTICULATED	152 HP D	81,338	20.12	24.86	4.54	7.71	5.64	8.60	7.41	279							
3650	MOD 720	NON-ARTICULATED	152 HP D	86,097	20.91	25.81	4.81	8.15	5.64	9.09	7.41	307							
3655	MOD 740	NON-ARTICULATED	181 HP D	94,868	23.65	29.24	5.30	9.00	6.72	10.04	8.83	326							
3660	MOD 760	NON-ARTICULATED	230 HP D	118,071	29.95	37.13	6.53	10.98	8.53	12.23	11.21	384							
FIAT-ALLIS																			
3670	MOD-65B	DIRECT DRIVE	68 HP D	50,707	11.16	13.67	2.85	4.88	2.52	5.45	3.32	133							
3675	MOD-100C	CONSTANT MESH	135 HP D	81,588	19.33	23.79	4.56	7.76	5.01	8.65	6.58	280							
3680	MOD-150C	POWER SHIFT	135 HP D	86,132	20.03	24.63	4.82	8.20	5.01	9.15	6.58	286							
3685	MOD-200C	POWER SHIFT	160 HP D	92,793	22.28	27.48	5.18	8.82	5.94	9.84	7.80	292							
GALION																			
3695	MOD 503-L	DIRECT DRIVE	68 HP G	51,010	13.96	17.22	2.86	4.91	5.18	5.48	6.71	115							
3700	MOD T-500C	POWER SHIFT	145 HP D	94,288	21.74	26.71	5.29	9.02	5.38	10.05	7.07	281							
3705	MOD T-600C	POWER SHIFT	186 HP D	109,246	26.07	32.13	6.12	10.43	6.90	11.63	9.07	321							
HOISTS																			

BEEBE - AIR TUGGERS																			
3715	2000P110-24	1.0 T 225 CFM RQD		4,897	1.10		0.30	0.58	0.00		5								
3720	5000P120-24	2.5 T 500 CFM RQD		8,862	2.01		0.53	1.05	0.00		16								
3725	10000P 60-30	5.0 T 500 CFM RQD		11,127	2.57		0.67	1.31	0.00		22								
3730	20000P 50-40	10.0 T 850 CFM RQD		27,750	6.10		1.66	3.27	0.00		55								

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			
HOISTS (CONT'D)									
SKAGIT									
3740	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	62,214	17.83	3.71	7.33	4.03		85
3745	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	84,062	22.35	5.01	9.91	4.03		126
3750	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	129,074	33.13	7.70	15.21	5.24		240
3755	RB-90WDOUBLE DRUM W/1-3/8" CABLE	150 HP D	153,285	39.11	9.14	18.06	6.04		300
HYDRAULIC EXCAVATOR, CRAWLER MOUNTED									
T/B = TELESCOPING BOOM									
B/H = BACKHOE									
AMERICAN									
3770	MOD 185	1.00 CY B/H	103 HP D	106,250	23.74	29.87	6.11	11.73	3.82
3775	MOD 25A	1.38 CY B/H	185 HP D	179,848	38.20	46.84	9.77	17.82	6.86
3780	MOD 480	2.00 CY B/H	300 HP D	265,323	57.54	70.64	14.42	26.30	11.13
3785	MOD 680	4.00 CY B/H	456 HP D	422,771	83.30	99.74	21.58	36.95	16.92
BADGER (HOPTO)									
3795	MOD 211	1.00 CY B/H	160 HP D	127,540	30.10	37.95	7.34	14.09	5.94
3800	MOD 311	1.88 CY B/H	235 HP D	185,486	41.33	50.84	10.08	18.38	8.72
3805	MOD 900B	3.25 CY B/H	308 HP D	222,815	46.86	56.47	11.37	19.47	11.43
3810	MOD 1900	4.50 CY B/H	616 HP D	483,150	99.34	119.47	24.66	42.23	22.85
BUCYRUS ERIE									
3820	MOD 300-H	1.00 CY B/H	176 HP D	156,620	36.07	45.43	9.01	17.30	6.53
3825	MOD 325-H	1.75 CY B/H	205 HP D	214,351	44.85	54.93	11.65	21.24	7.61
3830	MOD 350-H	2.50 CY B/H	248 HP D	271,390	56.29	68.87	14.75	26.90	9.20
3835	MOD 400-H	4.25 CY B/H	392 HP D	445,014	83.82	99.93	22.71	38.89	14.54
CASE									
3845	MOD 880C "E" BOOM .63 CY B/H	125 HP D	80,581	20.06	25.36	4.64	8.90	4.64	10.22
3850	MOD 980B .75 CY B/H	180 HP D	124,705	30.46	38.47	7.18	13.78	6.68	15.81
									8.78
									420

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							
HYDRAULIC EXCAVATOR, CRLR MTD (CONT'D)																
***** T/B = TELESCOPING BOOM B/H = BACKHOE																
CATERPILLAR																
3860	MOD 215	.75 CY	B/H	90 HP	D	116,523	25.04	31.45	6.71	12.87	3.34	14.78	4.39	387		
3865	MOD 225	1.00 CY	B/H	125 HP	D	144,675	31.65	39.80	8.32	15.97	4.64	18.34	6.09	504		
3870	MOD 235	1.43 CY	B/H	195 HP	D	255,635	51.31	62.65	13.89	25.33	7.23	28.23	9.51	875		
3875	MOD 245	2.50 CY	B/H	325 HP	D	388,509	79.25	96.87	21.11	38.50	12.06	42.90	15.85	1318		
DROTT																
3885	MOD 40-D	1.00 CY	B/H	157 HP	D	102,478	25.42	32.14	5.90	11.32	5.82	12.99	7.66	400		
3890	MOD 50-D	1.25 CY	B/H	190 HP	D	130,538	30.16	37.20	7.09	12.93	7.05	14.42	9.26	510		
GRADALL																
3900	MOD G-660	.50 CY	T/B	115 HP	D	133,584	29.22	36.73	7.69	14.75	4.27	16.94	5.61	459		
3905	MOD G-880	.75 CY	T/B	160 HP	D	166,079	37.08	46.64	9.56	18.34	5.94	21.06	7.80	549		
3910	MOD G-1000	1.25 CY	T/B	272 HP	D	222,254	49.10	60.37	12.08	22.02	10.09	24.55	13.26	787		
INSLEY																
3925	MOD H1500C	1.50 CY	B/H	240 HP	D	203,124	44.50	54.68	11.04	20.13	8.90	22.43	11.70	767		
3930	MOD H2500C	2.00 CY	B/H	290 HP	D	236,676	52.32	64.30	12.86	23.46	10.76	26.13	14.14	955		
3935	MOD H3500C	3.00 CY	B/H	390 HP	D	317,736	64.67	77.69	16.21	27.77	14.47	30.07	19.02	1275		
KOEHRING																
3945	MOD 166 BANTAM	.50 CY	B/H	108 HP	D	82,639	19.69	24.85	4.76	9.13	4.01	10.48	5.27	321		
3950	MOD 266 BANTAM	.88 CY	B/H	143 HP	D	132,251	30.21	38.04	7.61	14.61	5.31	16.77	6.97	525		
3955	MOD 366 BANTAM	1.50 CY	B/H	210 HP	D	160,045	35.98	44.29	8.70	15.86	7.79	17.68	10.24	616		
3960	MOD 566	2.00 CY	B/H	240 HP	D	227,205	48.52	59.52	12.34	22.51	8.90	25.09	11.70	865		
3965	MOD 666	2.38 CY	B/H	307 HP	D	283,383	60.87	74.68	15.40	28.08	11.39	31.30	14.97	1090		
3970	MOD 866E	3.25 CY	B/H	325 HP	D	351,796	66.93	79.88	17.96	30.75	12.06	33.30	15.85	1327		
3975	MOD 1066E	4.00 CY	B/H	380 HP	D	440,212	82.59	98.41	22.47	38.48	14.10	41.66	18.53	1640		
3980	MOD 1166E	5.00 CY	B/H	420 HP	D	501,721	93.54	111.42	25.60	43.85	15.58	47.49	20.48	1813		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	SEVERE				
HYDRAULIC EXCAVATOR, CRLR MTD (CONT'D)													
***** T/B = TELESCOPING BOOM B/H = BACKHOE													
KOEHRING (CONT'D)													
3985	MOD 1266D	5.50 CY B/H 760 HP D	740,068	143.97	164.86	36.59	60.51	28.20	64.68	37.06	2600		
3990	MOD 1466	6.50 CY B/H 832 HP D	890,216	169.58	193.57	44.01	72.79	30.87	77.80	40.57	2900		
UNIT													
4005	MOD H202C SER II	.75 CY B/H 152 HP D	116,759	27.80	35.06	6.72	12.90	5.64	14.81	7.41	440		
4010	MOD H342	1.25 CY B/H 228 HP D	200,958	43.61	53.55	10.92	19.91	8.46	22.19	11.12	740		
4015	MOD H471	1.75 CY B/H 304 HP D	248,278	54.86	67.45	13.49	24.60	11.28	27.42	14.82	1003		
HYDRAULIC EXCAVATOR, TRUCK MOUNTED													
***** (HP & FUEL LISTED EQUIP/CARRIER) T/B = TELESCOPING BOOM B/H = BACKHOE													
GRADALL													
4025	MOD G-660	.50 CY T/B 115/210 HP D/G	148,182	28.26	33.87	7.74	12.93	7.26	14.04	9.51	450		
4030	MOD G-880	.75 CY T/B 160/210 HP D/D	181,976	33.71	40.05	9.47	15.73	7.96	17.07	10.24	530		
4035	MOD G-1000	1.25 CY T/B 272/312 HP D/D	239,148	45.92	54.28	11.74	19.22	13.20	20.52	17.04	730		
LAND CLEARING EQUIPMENT													
***** (ADD TO TRACTOR)													
4045	FLECO LAND CLEARING RAKE FOR D-6		16,135	3.48	4.41	0.96	1.89	0.00	2.22	0.00	67		
4050	FLECO LAND CLEARING RAKE FOR D-7		21,175	4.55	5.77	1.27	2.48	0.00	2.90	0.00	98		
4055	FLECO LAND CLEARING RAKE FOR D-8		31,431	6.73	8.54	1.87	3.68	0.00	4.31	0.00	138		
4060	FLECO CLAMP RAKE FOR CAT 977 (ADD TO 977 LOADER)		16,196	3.59	4.53	0.96	1.89	0.00	2.22	0.00	58		

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.	OWNER-SHIP	FUEL	OWNER-SHIP	
	LIGHTING SETS, TRAILER MOUNTED *****									
	ALLMAND METALLIC VAPOR									
4070	30' TOWER 4/1000W LTS 5 KW 11 HP D	12,155	4.07		0.72	1.33	0.58			29
	OVER-LOWE METALLIC VAPOR									
4080	38' TOWER 4/1000W LTS 6 KW 12 HP D	11,043	3.83		0.66	1.21	0.64			22
	LOADERS, BELT *****									
	KOLMAN									
4090	101XHD 24"X50" 355 T/HR 28 HP D	27,415	7.64	9.99	1.60	2.74	1.13	3.14	1.48	116
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4100	PLATE FEEDER DOZER TRAP MODEL 45	5,044	1.03	1.31	0.30	0.53	0.00	0.61	0.00	37
4105	BELT FEEDER DOZER TRAP MODEL 65	7,365	1.51	1.91	0.44	0.78	0.00	0.89	0.00	36
4110	WING WALLS STATIONARY	1,123	0.23	0.30	0.07	0.12	0.00	0.14	0.00	9
4115	TUNNEL EXTENSION W/WING WALLS	5,835	1.20	1.51	0.35	0.62	0.00	0.70	0.00	61
4120	SINGLE DECK SCREEN SB-70 7'X42	5,055	1.03	1.31	0.30	0.53	0.00	0.61	0.00	19
4125	DOUBLE DECK SCREEN DC-70-42 7'X42	5,992	1.23	1.56	0.36	0.63	0.00	0.73	0.00	27
4130	TRIPLE DECK SCREEN TC-70-42 7'X42	7,825	1.61	2.03	0.47	0.83	0.00	0.95	0.00	34
4135	XHD CONVEYOR JACKLEG	883	0.18	0.23	0.05	0.09	0.00	0.11	0.00	9
4140	101XHD 30"X50" 615 T/HR 42 HP D	30,730	9.18	12.05	1.80	3.07	1.69	3.51	2.23	135
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4150	PLATE FEEDER DOZER TRAP MODEL 45	6,278	1.28	1.63	0.38	0.66	0.00	0.76	0.00	42
4155	BELT FEEDER DOZER TRAP MODEL 65	7,714	1.58	2.01	0.46	0.81	0.00	0.94	0.00	40
4160	WING WALLS STATIONARY	1,123	0.23	0.30	0.07	0.12	0.00	0.14	0.00	9
4165	TUNNEL EXTENSION W/WING WALLS	5,835	1.20	1.51	0.35	0.62	0.00	0.70	0.00	61
4170	SINGLE DECK SCREEN SB-80 8'X48	5,669	1.16	1.47	0.34	0.60	0.00	0.69	0.00	23
4175	DOUBLE DECK SCREEN DC-80-48 8'X48	6,971	1.42	1.80	0.42	0.73	0.00	0.84	0.00	35
4180	TRIPLE DECK SCREEN TC-80-48 8'X48	8,835	1.81	2.29	0.53	0.93	0.00	1.07	0.00	43

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION		STAND-BY	OWNER-SHIP	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE			FUEL	OWNER-SHIP	FUEL						
LOADERS, BELT (CONT'D) *****															
KOLMAN (CONT'D)															
4185	XHD CONVEYOR JACKLEG	883	0.18	0.23	0.05	0.09	0.00	0.11	0.00	9					
4190	101XHD 36"X50' 910 T/HR 56 HP D	35,166	11.06	14.54	2.04	3.47	2.26	3.97	2.97	160					
OPTIONAL EQUIPMENT SELECT AS NEEDED															
4200	PLATE FEEDER DOZER TRAP MODEL 45	6,734	1.38	1.74	0.40	0.71	0.00	0.81	0.00	45					
4205	BELT FEEDER DOZER TRAP MODEL 65	8,170	1.67	2.12	0.49	0.86	0.00	0.99	0.00	42					
4210	WING WALLS STATIONARY	1,123	0.23	0.30	0.07	0.12	0.00	0.14	0.00	9					
4215	TUNNEL EXTENSION W/WING WALLS	5,835	1.20	1.51	0.35	0.62	0.00	0.70	0.00	61					
4220	SINGLE DECK SCREEN SB-90 9'X54	6,402	1.31	1.67	0.38	0.67	0.00	0.78	0.00	28					
4225	DOUBLE DECK SCREEN DC-90-54 9'X54	8,329	1.71	2.16	0.50	0.88	0.00	1.01	0.00	43					
4230	TRIPLE DECK SCREEN TC-90-54 9'X54	11,119	2.28	2.89	0.66	1.17	0.00	1.35	0.00	54					
4235	XHD CONVEYOR JACKLEG	883	0.18	0.23	0.05	0.09	0.00	0.11	0.00	9					
4240	101XHD 42"X50' 1260 T/HR 84 HP D	43,014	14.48	19.15	2.49	4.21	3.38	4.82	4.45	180					
OPTIONAL EQUIPMENT SELECT AS NEEDED															
4250	PLATE FEEDER DOZER TRAP MODEL 45	7,173	1.47	1.86	0.43	0.76	0.00	0.87	0.00	48					
4255	BELT FEEDER DOZER TRAP MODEL 65	9,399	1.93	2.44	0.56	0.99	0.00	1.14	0.00	45					
4260	WING WALLS STATIONARY	1,123	0.23	0.30	0.07	0.12	0.00	0.14	0.00	9					
4265	TUNNEL EXTENSION W/WING WALLS	5,835	1.20	1.51	0.35	0.62	0.00	0.70	0.00	61					
4270	SINGLE DECK SCREEN SB-100 60"X10'	7,982	1.63	2.07	0.47	0.84	0.00	0.97	0.00	37					
4275	DOUBLE DECK SCREEN DC-100 60"X10'	10,281	2.11	2.66	0.62	1.09	0.00	1.24	0.00	55					
4280	TRIPLE DECK SCREEN TC-100 60"X10'	13,880	2.85	3.61	0.83	1.47	0.00	1.69	0.00	68					
4285	XHD CONVEYOR JACKLEG	883	0.18	0.23	0.05	0.09	0.00	0.11	0.00	9					
4290	101XHD 48"X50' 1700 T/HR 125 HP D	75,449	23.44	30.66	4.41	7.57	5.03	8.67	6.62	265					
OPTIONAL EQUIPMENT SELECT AS NEEDED															
4300	PLATE FEEDER DOZER TRAP MODEL 45	10,450	2.14	2.71	0.62	1.10	0.00	1.27	0.00	51					
4305	WING WALLS STATIONARY	1,123	0.23	0.30	0.07	0.12	0.00	0.14	0.00	9					
4310	TUNNEL EXTENSION W/WING WALLS	6,518	1.34	1.69	0.39	0.69	0.00	0.79	0.00	66					
4315	SINGLE DECK SCREEN SB-120 60"X12'	9,035	1.85	2.35	0.54	0.95	0.00	1.10	0.00	53					

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.	OWNERSHIP	FUEL				
LOADERS, BELT (CONT'D)												

KOLMAN (CONT'D)												
4320	DOUBLE DECK SCREEN DC-120 60"X12"	12,475	2.55	3.23	0.74	1.31	0.00	1.51	0.00			
4325	TRIPLE DECK SCREEN TC-120 60"X12"	16,381	3.36	4.25	0.98	1.73	0.00	1.99	0.00			
4330	XHD CONVEYOR JACKLEG	883	0.18	0.23	0.05	0.09	0.00	0.11	0.00			
4335	303 48"X50' 2000 CY/HR	125 HP D	133,437	37.67	49.72	7.74	13.16	5.03	15.06			
4340	303 48"X60' 2000 CY/HR	185 HP D	148,496	43.92	57.86	8.63	14.73	7.45	16.87			
4345	303 60"X50' 3600 CY/HR	185 HP D	153,441	46.57	61.95	8.86	14.96	7.45	17.11			
4350	303 60"X60' 3600 CY/HR	290 HP D	176,847	57.85	77.00	10.21	17.24	11.68	19.71			
4355	404 48"X50' 2000 CY/HR	185 HP D	165,105	47.26	62.02	9.63	16.50	7.45	18.91			
4360	404 48"X60' 2000 CY/HR	185 HP D	174,474	49.25	64.60	10.19	17.47	7.45	20.02			
4365	404 60"X50' 3600 CY/HR	290 HP D	198,370	61.19	80.73	11.54	19.70	11.68	22.56			
4370	404 60"X60' 3600 CY/HR	290 HP D	219,265	66.54	88.01	12.74	21.71	11.68	24.85			
OPTIONAL EQUIPMENT SELECT AS NEEDED												
4380	SINGLE DECK SCREEN SB-120 72"X12"	9,996	2.05	2.59	0.59	1.05	0.00	1.21	0.00			
4385	DOUBLE DECK SCREEN DC-120 72"X12"	13,257	2.72	3.44	0.79	1.40	0.00	1.61	0.00			
4390	TRIPLE DECK SCREEN TC-120 72"X12"	17,983	3.69	4.67	1.08	1.90	0.00	2.18	0.00			
4395	SINGLE DECK VIBRATING GRIZZLE 72"W	20,667	4.24	5.36	1.24	2.18	0.00	2.50	0.00			
LOADERS, FRONT END, CRAWLER TYPE												

CASE												
4405	350 B 3/4 CY	39 HP D	34,131	10.90	13.95	2.04	3.85	1.69	4.48			
4410	450 B 1 CY	53 HP D	45,116	14.51	18.56	2.69	5.09	2.30	5.93			
4415	850B 1-1/2 CY	72 HP D	54,641	18.04	23.09	3.26	6.16	3.13	7.17			
4420	1150 C 1-3/4 CY	105 HP D	78,828	26.08	33.41	4.70	8.89	4.56	10.36			
4425	1450 B 2-1/4 CY	140 HP D	94,113	32.03	41.05	5.62	10.62	6.08	12.36			

ITEM		DESCRIPTION		VAL OR	TOTAL HOURLY RATE*		ADJUSTABLE RATE		ADJUSTABLE RATE			
					CONDITION	CHARGE	ADJUSTABLE RATE	ADJUSTABLE RATE	ADJUSTABLE RATE	ADJUSTABLE RATE		
		AVERAGE	SEVERE	Y	W	X	Z	Y	Z	Y	Z	
JOHN DEERE												
CATERPILLAR												
4420	17	CY	65 HP D	39,853	13.90	17.82	2.36	4.50	2.92	2.23	2.7	190
4430	18	1-1/2 CY	80 HP D	73,225	23.19	29.65	4.37	6.26	4.45	3.60	4.58	240
4440	2	CY	110 HP D	92,107	29.73	38.03	5.49	10.39	4.78	12.60	5.30	390
4450	2-1/2	2-1/2 CY	130 HP D	100,121	32.95	42.17	6.98	11.30	5.65	13.50	7.44	360
4460	2-1/2	3-1/2 CY	190 HP D	153,220	49.87	63.84	9.14	17.28	6.26	20.13	10.88	512
4470	3-1/2	4-1/2 CY	270 HP D	237,675	76.17	97.45	14.17	26.81	11.95	31.21	15.74	700
FIAT-ALLIS												
4470	F1.9	1-5/8 CY	87 HP D	60,252	20.35	26.06	3.60	6.80	3.78	7.91	4.98	272
4475	F1.10	2 CY	122 HP D	77,101	26.67	34.19	4.60	8.70	5.30	10.12	6.98	310
4480	F1.14C	2-5/8 CY	150 HP D	101,360	34.46	44.14	6.05	11.44	6.52	13.31	8.59	410
4485	F1.20	3-1/2 CY	223 HP D	146,011	50.03	64.14	8.71	16.47	9.69	19.18	12.76	605
INTERNATIONAL												
4490	100-E	1-1/8 CY	65 HP D	49,192	16.24	20.80	2.93	5.55	2.82	6.46	3.72	161
4500	125-E	1-3/8 CY	78 HP D	58,295	19.31	24.74	3.47	6.57	3.39	7.66	4.46	199
4505	175-C	2 CY	130 HP D	92,657	31.07	39.79	5.52	10.45	5.65	12.17	7.44	332
4510	250-C	2-3/4 CY	190 HP D	131,470	44.41	56.90	7.81	14.83	8.26	17.27	10.88	452
JOHN DEERE												
4520	JD350-C	3/4 CY	42 HP D	34,945	11.29	14.45	2.08	3.94	1.83	4.59	2.40	119
4525	JD450-C	1-1/4 CY	65 HP D	45,606	15.34	19.66	2.72	5.14	2.82	5.99	3.72	165
KOMATSU												
4530	D31S-16	1.3 CY	63 HP D	41,243	14.13	18.11	2.46	4.65	2.74	5.41	3.61	156
4540	D31S-16	1.8 CY	110 HP D	72,367	24.77	31.74	4.31	8.16	4.78	9.50	6.30	300
4545	D57S-1	2.1 CY	135 HP D	88,056	30.21	36.72	5.25	9.33	5.87	11.56	7.73	337
4550	D79S-3	3-3 CY	200 HP D	129,923	44.62	57.19	7.75	14.66	8.69	17.06	11.45	503
4555	D155S-1	5.9 CY	350 HP D	253,407	84.63	108.39	15.11	28.59	15.21	33.29	20.03	950

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, FRONT END, WHEEL TYPE														
(ARTIC = ARTICULATED)														
BOBCAT														
4565	MOD 310	5 C.F. SKID STEER	16 HP G	6,776	3.13	4.06	0.39	0.73	1.32	0.86	1.72	18		
4570	MOD 313	5 C.F. SKID STEER	13 HP D	8,416	2.44	3.15	0.49	0.92	0.52	1.07	0.69	19		
4575	MOD 540	6.5 C.F. SKID STEER	23 HP G	9,874	4.51	5.84	0.58	1.08	1.90	1.25	2.47	31		
4580	MOD 543	6.5 C.F. SKID STEER	19 HP D	11,807	3.45	4.46	0.69	1.29	0.77	1.51	1.01	33		
4585	MOD 610	9 C.F. SKID STEER	30 HP G	12,005	5.64	7.28	0.71	1.33	2.47	1.55	3.22	43		
4590	MOD 630	9 C.F. SKID STEER	30 HP G	11,551	5.55	7.17	0.68	1.28	2.47	1.49	3.22	34		
4595	MOD 641	10 C.F. SKID STEER	28 HP D	13,820	4.32	5.54	0.82	1.54	1.13	1.79	1.48	39		
4600	MOD 642	10 C.F. SKID STEER	32 HP G	12,368	5.93	7.66	0.73	1.37	2.64	1.60	3.44	38		
4605	MOD 742	10 C.F. SKID STEER	34 HP G	14,660	6.59	8.49	0.87	1.63	2.80	1.90	3.65	45		
4610	MOD 743	10 C.F. SKID STEER	36 HP D	15,905	5.16	6.63	0.95	1.77	1.45	2.06	1.91	46		
4615	MOD 825	12.5 C.F. SKID STEER	42 HP D	18,998	6.25	8.12	1.12	2.08	1.69	2.41	2.23	60		
4620	MOD 843	13.5 C.F. SKID STEER	54 HP D	20,430	7.20	9.34	1.21	2.24	2.18	2.60	2.86	63		
4625	MOD 974	33.8 C.F. SKID STEER	78 HP D	36,136	12.06	15.98	2.09	3.84	3.14	4.45	4.13	121		
CASE														
4635	W-14	1-1/2 CY ARTIC	83 HP D	52,594	15.33	19.84	3.09	5.77	3.34	6.71	4.40	137		
4640	W-18	2 CY ARTIC	103 HP D	62,986	18.49	23.87	3.71	6.93	4.15	8.06	5.46	185		
4645	W-24 C	2-1/2 CY ARTIC	132 HP D	89,911	25.57	33.00	5.30	9.89	5.32	11.49	7.00	216		
4650	W-36	3-1/2 CY ARTIC	185 HP D	120,024	35.02	45.63	7.04	13.06	7.45	15.17	9.80	332		
CATERPILLAR														
4660	910	1-1/4 CY ARTIC	65 HP D	46,958	13.59	17.96	2.73	5.01	2.62	5.82	3.44	143		
4665	920	1-3/4 CY ARTIC	80 HP D	62,413	17.19	22.25	3.68	6.84	3.22	7.95	4.24	186		
4670	930	2-1/4 CY ARTIC	100 HP D	70,646	20.03	26.02	4.15	7.72	4.03	8.97	5.30	206		
4675	950-B	3 CY ARTIC	130 HP D	111,828	30.99	41.07	6.50	11.92	5.24	13.82	6.89	323		
4680	966-D	4 CY ARTIC	170 HP D	149,177	41.85	56.14	8.60	15.65	6.85	18.12	9.01	426		
4685	980-C	5-1/4 CY ARTIC	260 HP D	199,072	51.71	67.48	10.85	19.60	10.47	22.05	13.78	577		

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.	OWNERSHIP	FUEL	
	LOADERS, F.E., WHEEL TYPE (CONT'D)								

	CATERPILLAR (CONT'D)								
4690	988-B 7 CY ARTIC	375 HP D 294,313	74.94	97.98	15.88	28.31	15.10	31.80	19.87 892
4695	992-C 13 CY ARTIC	690 HP D 608,526	152.38	201.31	32.62	57.70	27.79	64.73	36.57 1916
	CLARK								
4705	35C 1-1/4 CY	82 HP D 53,189	15.75	20.72	3.10	5.72	3.30	6.63	4.35 171
4710	45C 1-1/2 CY	107 HP D 62,847	18.78	24.34	3.69	6.88	4.31	7.99	5.67 187
4715	55C 2 CY ARTIC	121 HP D 70,990	21.28	27.65	4.18	7.76	4.87	9.01	6.41 247
4720	75C 2-1/2 CY ARTIC	154 HP D 107,876	31.07	40.72	6.30	11.65	6.20	13.52	8.16 296
4725	125C 3-1/2 CY ARTIC	210 HP D 145,698	42.58	56.31	8.47	15.56	8.46	18.04	11.13 419
4730	175C 4-1/2 CY ARTIC	273 HP D 192,511	51.28	67.04	10.48	18.92	11.00	21.28	14.47 565
4735	275C 6-1/2 CY ARTIC	360 HP D 265,592	67.74	87.39	14.45	26.01	14.50	29.25	19.08 799
4740	475C 10 CY ARTIC	612 HP D 512,040	128.17	167.42	27.63	49.30	24.65	55.37	32.44 1544
	FIAT-ALLIS								
4750	345-B 1-1/2 CY ARTIC	80 HP D 47,091	14.12	18.36	2.76	5.14	3.22	5.97	4.24 151
4755	545-B 2 CY ARTIC	102 HP D 59,327	17.73	22.91	3.50	6.52	4.11	7.57	5.41 176
4760	605-B 2-1/2 CY ARTIC	108 HP D 67,419	19.86	25.83	3.96	7.36	4.35	8.54	5.72 200
4765	645-B 3 CY ARTIC	151 HP D 89,703	27.38	36.14	5.22	9.60	6.08	11.13	8.00 246
4770	FR-20 4 CY ARTIC	215 HP D 141,790	42.10	55.74	8.24	15.12	8.66	17.53	11.39 445
4775	945-B 6 CY ARTIC	335 HP D 234,290	61.08	79.29	12.70	22.76	13.49	25.57	17.75 700
	INTERNATIONAL								
4785	510B 1-3/8 CY	80 HP D 43,853	13.72	18.11	2.56	4.70	3.22	5.44	4.24 140
4790	515B 1-5/8 CY	100 HP D 53,727	16.92	22.31	3.13	5.75	4.03	6.67	5.30 167
4795	520B 2-1/4 CY ARTIC	120 HP D 63,299	19.77	25.82	3.71	6.87	4.83	7.98	6.36 232
4800	530 2-3/4 CY ARTIC	155 HP D 95,020	29.15	38.90	5.49	10.02	6.24	11.61	8.21 291
4805	540 3-3/4 CY ARTIC	189 HP D 132,320	38.69	51.27	7.69	14.10	7.61	16.33	10.02 360
4810	550 5-1/4 CY ARTIC	280 HP D 188,657	50.98	66.74	10.27	18.52	11.28	20.83	14.84 544

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)														
INTERNATIONAL (CONT'D)														
4815	560B	7-1/2 CY ARTIC	415 HP D	270,871	71.52	92.25	14.74	26.56	16.72	29.86	21.99	825		
4820	570	12 CY ARTIC	590 HP D	557,887	135.37	176.47	30.14	53.84	23.77	60.47	31.27	1327		
TEREX (GM)														
4830	72-31B	3 CY ARTIC	160 HP D	95,753	29.57	39.44	5.53	10.10	6.44	11.70	8.48	309		
4835	72-51B	4 CY ARTIC	231 HP D	145,343	40.70	53.88	7.87	14.10	9.30	15.86	12.24	465		
4840	72-61	5-1/2 CY ARTIC	307 HP D	190,363	52.70	68.95	10.37	18.70	12.37	21.03	16.27	605		
4845	72-71B	7-1/2 CY ARTIC	388 HP D	275,235	70.86	91.28	14.98	27.01	15.63	30.38	20.56	857		
4850	72-81	9 CY ARTIC	434 HP D	383,825	93.99	121.86	20.80	37.31	17.48	41.93	23.00	1166		
TROJAN														
4860	1500	1-3/4 CY ARTIC	85 HP D	58,336	16.68	21.62	3.43	6.38	3.42	7.40	4.50	180		
4865	1900	2-1/4 CY ARTIC	117 HP G	67,056	26.43	34.33	3.94	7.31	9.65	8.49	12.58	212		
4870	2000	3 CY ARTIC	144 HP D	96,223	28.76	38.36	5.56	10.15	5.80	11.76	7.63	306		
4875	2500	4 CY ARTIC	182 HP D	120,554	35.69	47.20	7.01	12.87	7.33	14.92	9.65	393		
4880	3000	4-1/4 CY ARTIC	215 HP D	129,569	40.59	54.78	7.43	13.44	8.66	15.54	11.39	436		
4885	5500	5-1/2 CY ARTIC	285 HP D	190,117	51.50	67.39	10.36	18.68	11.48	21.01	15.10	636		
4890	7500	7 CY ARTIC	400 HP D	254,291	67.90	87.84	13.82	24.84	16.11	27.92	21.20	846		
LOADER/BACKHOE, WHEEL TYPE TRACTOR														
CASE														
4900	580D LDR/BHOE	1.0 CY FE BUCKET 24" B/H DIPPER	55 HP D	39,523	10.89	13.69	2.35	4.23	2.22	4.87	2.91	115		
4905	680H LDR/BHOE	1-1/4 CY FE BUCKET 30" B/H DIPPER	80 HP D	57,627	15.88	20.01	3.41	6.13	3.22	7.08	4.24	165		
JOHN DEERE														
4915	410 LDR/BHOE	1 CY FE BUCKET 24" B/H DIPPER	62 HP D	38,370	11.10	14.03	2.27	4.06	2.50	4.67	3.29	137		
4920	510 LDR/BHOE	1-1/2 CY FE BUCKET 24" B/H DIPPER	80 HP D	58,885	16.23	20.46	3.48	6.23	3.22	7.18	4.24	205		

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. OWNER-SHIP	SEVERE COND. OWNER-SHIP				
			AVERAGE	SEVERE							
	LOADER/BACKHOE, CRLR TYPE TRACTOR *****										
	CASE										
4930	350B LDR/BHOE 3/4 CY FE BUCKET 24" B/H DIPPER	39 HP D	43,383	13.23	16.90	2.59	4.90	1.69	5.69	2.23	141
4935	450B LDR/BHOE 1 CY FE BUCKET 24" B/H DIP	53 HP D	58,911	17.98	22.95	3.52	6.65	2.30	7.74	3.03	167
	CATERPILLAR										
4945	931BLDR/BHOE 1 CY FE BUCKET 30" B/H DIPPER	65 HP D	53,903	17.43	22.31	3.22	6.08	2.82	7.08	3.72	207
	LOADER/BACKHOE ATTACHMENTS *****										
	HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE BOOM TO FIT CASE AND JOHN DEERE BACKHOES (ADD TO BASIC LOADER-BACKHOE)										
4955	IMPACTOR WITH TAMPER TOOL		11,944	3.86		0.85	1.76	0.00			12
4960	IMPACTOR WITH CHISEL TOOL		11,266	3.65		0.81	1.66	0.00			11
	PILE EXTRACTORS *****										
	MKT CORPORATION										
4970	E2 700 FT-LBS	400CFM A	12,701	4.21		0.91	1.88	0.00			27
4975	E4 1000 FT-LBS	550CFM A	19,117	6.30		1.38	2.83	0.00			47
	VULCAN										
4985	400A 500 FT-LBS	450CFM A	14,995	4.94		1.07	2.21	0.00			30
4990	800A 1000 FT-LBS	900CFM A	20,227	6.79		1.45	2.99	0.00			57
4995	1200A 1640 FT-LBS	1350CFM A	23,657	8.12		1.70	3.50	0.00			97

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.	OWNER-SHIP	FUEL				
PILE HAMMERS, DIESEL												
(FUEL NOT INCLUDED)												
MKT CORPORATION												
5005	DE-30B/20B (6-FT) 12,000 FT-LBS	32,871	10.37		2.36	4.86	0.00		74			
5010	DE-30B/20B (6-FT) 16,800 FT-LBS	34,097	10.76		2.45	5.04	0.00		82			
5015	DE-70B/50B (6-FT) 30,000 FT-LBS	58,781	18.50		4.21	8.69	0.00		138			
5020	DE-70B/50B (6-FT) 42,000 FT-LBS	62,423	19.65		4.48	9.23	0.00		158			
PILE HAMMERS, SINGLE ACTING												
VULCAN												
5030	1 15000 FT-LBS 750CFM A	32,614	10.61		2.34	4.82	0.00		101			
5035	06 19500 FT-LBS 900CFM A	37,333	12.15		2.68	5.52	0.00		121			
5040	08 26000 FT-LBS 1100CFM A	42,848	13.97		3.07	6.33	0.00		175			
5045	010 32500 FT-LBS 1350CFM A	46,932	15.37		3.36	6.93	0.00		195			
5050	012 39000 FT-LBS 1500CFM A	52,272	16.97		3.75	7.73	0.00		287			
5055	014 42000 FT-LBS 1750CFM A	62,640	20.49		4.49	9.26	0.00		283			
5060	016 48750 FT-LBS 1750CFM A	74,506	24.21		5.34	11.01	0.00		320			
5065	020 60000 FT-LBS 2150CFM A	87,769	28.55		6.29	12.97	0.00		425			
5070	030 90000 FT-LBS 2350CFM A	147,067	47.26		10.54	21.74	0.00		575			
PILE HAMMERS, DOUBLE ACTING												
MKT CORPORATION												
5080	9-B-3 8750 FT-LBS 900CFM A	23,981	7.96		1.72	3.54	0.00		74			
5085	10-B-3 13100 FT-LBS 1200CFM A	28,359	9.47		2.03	4.19	0.00		114			
5090	11-B-3 19150 FT-LBS 1200CFM A	38,622	12.70		2.77	5.71	0.00		141			
5095	5 (SELF STOP) 1000 FT-LBS 375CFM A	9,996	3.35		0.71	1.47	0.00		17			
5100	6 (SELF STOP) 2500 FT-LBS 600CFM A	12,516	4.23		0.90	1.85	0.00		31			
5105	7 (SELF STOP) 4150 FT-LBS 750CFM A	16,084	5.42		1.15	2.37	0.00		50			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP						
					AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP						
PILE HAMMERS, DOUBLE ACTING (CONT'D)															
VULCAN															
5115	50C	15100 FT-LBS	1250CFM A	41,407	13.59		2.97	6.12	0.00	153					
5120	65C	19200 FT-LBS	1450CFM A	47,500	15.60		3.41	7.02	0.00	153					
5125	80C	24450 FT-LBS	1750CFM A	50,930	16.82		3.65	7.53	0.00	184					
5130	100C	32900 FT-LBS	2050CFM A	61,290	20.21		4.40	9.06	0.00	232					
5135	140C	36000 FT-LBS	2150CFM A	77,042	25.19		5.53	11.39	0.00	287					
5140	200C	50200 FT-LBS	2550CFM A	111,468	36.17		7.99	16.47	0.00	398					
PILE HAMMERS, VIBRATORY															
MKT CORPORATION															
5150	V5	WITH POWER PACK	59 HP D	58,193	21.30		4.17	8.60	2.38	110					
5155	V16	WITH POWER PACK	156 HP D	113,703	43.70		8.15	16.80	6.28	215					
5160	V20	WITH POWER PACK	295 HP D	154,981	63.83		11.11	22.91	11.88	257					
PIPELAYER															

CATERPILLAR															
5170	561D	15 FT BOOM, 40,000 LB CAP	105 HP D	106,726	21.15	26.00	6.03	10.37	2.34	11.57					
5175	571G	18 FT BOOM, 60,000 LB CAP	200 HP D	170,259	34.67	42.70	9.62	16.54	4.45	18.47					
5180	572G	18 FT BOOM, 90,000 LB CAP	200 HP D	194,765	38.82	47.75	11.00	18.92	4.45	21.12					
5185	583K	20 FT BOOM, 140,000 LB CAP	300 HP D	245,093	50.29	61.94	13.84	23.81	6.68	26.59					
5190	594H	24 FT BOOM, 200,000 LB CAP	410 HP D	342,256	69.95	86.14	19.33	33.25	9.13	37.13					
PUMPS, GROUT															

CHEMGROUT															
5200	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM			11,166	3.07		0.73	1.54	0.00	11					
5205	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM			4,121	1.17		0.27	0.57	0.00	5					
5210	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM			16,471	4.61		1.08	2.28	0.00	18					

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		
	PUMPS, GROUT (CONT'D) *****									
	CHEMGROUT (CONT'D)									
5215	CG-620 COLLOIDAL ADD-ON TO CG-500	7,105	1.91		0.46	0.98	0.00		11	
	PUMPS, WATER (FOR CORE DRILLS) *****									
	LONGYEAR									
5225	520 RQG 5.7-20 GPM UP TO 600PSI 10 HP G	6,023	2.74		0.36	0.71	1.14		7	
5230	535 RQG 9.9-35 GPM UP TO 800PSI 15 HP G	7,604	3.83		0.46	0.90	1.71		10	
	PUMPS, WATER, CENTRIFUGAL, DEWATERING *****									
	HOMELITE - SKID MOUNTED									
5240	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	398	0.39		0.03	0.05	0.23		1	
5245	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	506	0.55		0.03	0.06	0.34		1	
5250	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	914	1.39		0.06	0.11	0.91		2	
	MARLOW - WHEEL MOUNTED									
5260	MOD 4D2 465 GPM @ 20' HEAD 43 HP G	7,954	8.10		0.48	0.94	4.89		14	
5265	MOD 4C7 595 GPM @ 20' HEAD 30 HP D	4,566	3.26		0.27	0.53	1.69		10	
5270	MOD 6E4A 1100 GPM @ 20' HEAD 79 HP G	10,557	14.04		0.63	1.24	8.99		15	
5275	MOD 6E4A 1100 GPM @ 20' HEAD 60 HP D	15,191	7.78		0.91	1.79	3.37		24	
5280	MOD 8FA3 2320 GPM @ 20' HEAD 70 HP D	19,574	9.46		1.17	2.31	3.93		23	
5285	MOD 10FA61 2775 GPM @ 20' HEAD 68 HP D	20,765	9.55		1.23	2.44	3.82		30	
	PUMPS, WATER, CENTRIFUGAL, TRASH *****									
	HOMELITE - SKID MOUNTED									
5295	MOD 121TP 2" - 11500 GPH @ 20' H 5 HP G	804	0.91		0.05	0.09	0.57		1	
5300	MOD 120 3" - 23000 GPH @ 20' H 8 HP G	1,117	1.43		0.06	0.13	0.91		2	
5305	MOD 160TP 4" - 36500 GPH @ 20' H 16 HP G	2,239	2.86		0.13	0.26	1.82		4	

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.	OWNER-SHIP	FUEL				
PUMPS, WATER, DIAPHRAGM												

HOMELITE - SKID MOUNTED												
5315	MOD 111DP 2" - 1900 GPH @ 10' HD	3 HP G	966	0.66	0.06	0.12	0.34		1			
5320	MOD 111DP 3" - 4800 GPH @ 10' HD	3 HP G	1,117	0.68	0.06	0.13	0.34		2			
PUMPS, WATER, SUBMERSIBLE												

HOMELITE												
5330	MOD SP200 2" - 13000 GPH @ 10' HD	2 HP E	1,229	0.39	0.08	0.15	0.13		1			
5335	MOD SP300 3" - 19000 GPH @ 15' HD	4 HP E	1,518	0.61	0.09	0.18	0.25		1			
RIPPER & HYDRAULIC BANK SLOPER												

(DOES NOT INCLUDE COST OF POINT WEAR)												
ATECO												
5345	VRAR-1 D9H RADIAL LIFT		36,783	9.36	12.70	2.40	5.05	0.00	6.27			
5350	D-9H SHANKS EA		2,871	0.73	0.99	0.19	0.40	0.00	0.49			
5355	LPAS-D8K PARALLEL LIFT		21,324	5.45	7.40	1.39	2.92	0.00	3.64			
5360	D-8K SHANKS EA		2,065	0.53	0.71	0.14	0.29	0.00	0.35			
5365	LPAS-D7G PARALLEL LIFT		17,795	4.56	6.19	1.16	2.44	0.00	3.04			
5370	D-7G SHANKS EA		1,263	0.32	0.43	0.08	0.17	0.00	0.21			
5375	PS D6D RADIAL LIFT		8,109	2.11	2.86	0.53	1.11	0.00	1.39			
5380	D-6C SHANKS EA		282	0.07	0.10	0.02	0.04	0.00	0.05			
5385	V-LPRF-TD25C PARALLEL LIFT STD SVC		18,307	4.70	6.36	1.20	2.52	0.00	3.12			
5390	TD-25C SHANKS EA		1,653	0.42	0.57	0.11	0.23	0.00	0.28			
5395	V-LPRF-TD20E PARALLEL LIFT STD SVC		13,422	3.46	4.68	0.87	1.84	0.00	2.29			
5400	TD-20E SHANKS EA		1,210	0.31	0.41	0.08	0.17	0.00	0.20			
5405	PS-TD15C RADIAL LIFT		7,568	1.98	2.67	0.49	1.04	0.00	1.29			
5410	TD-15C SHANKS EA		261	0.07	0.09	0.02	0.04	0.00	0.04			
5415	V-LPRF 82-50 PARALLEL LIFT STD SVC		20,672	5.28	7.16	1.35	2.83	0.00	3.52			
5420	82-50 SHANKS EA		1,653	0.42	0.57	0.11	0.23	0.00	0.28			

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					
RIPPER & HYDR BANK SLOPER (CONT'D)													
(DOES NOT INCLUDE COST OF POINT WEAR)													
ATECO (CONT'D)													
5425	LPRS-82-50	PARALLEL LIFT EXT SVC	20,105	5.15	6.98	1.31	2.76	0.00	3.43	0.00	88		
5430	82-50	SHANKS EA	3,834	0.97	1.31	0.25	0.53	0.00	0.65	0.00	19		
5435	V-LPREF-82-30	PARALLEL LIFT	18,307	4.70	6.36	1.20	2.52	0.00	3.12	0.00	89		
5440	82-30	SHANKS EA	1,653	0.42	0.57	0.11	0.23	0.00	0.28	0.00	8		
5445	D9,D8;82-30,82-50;TD25	HYDR BANK SLOP	7,870	1.72	2.17	0.47	0.92	0.00	1.08	0.00	28		
CATERPILLAR													
5455	D-10 MULTI-SHANK BEAM		44,506	11.31	15.35	2.91	6.11	0.00	7.59	0.00	179		
5460	D-10 SHANKS EA		3,256	0.82	1.12	0.21	0.44	0.00	0.56	0.00	15		
5465	D-10 SINGLE-SHANK BEAM		47,470	12.05	16.38	3.10	6.51	0.00	8.10	0.00	177		
5470	D-9L MULTI-SHANK BEAM W/HYD-CONTROL		37,917	9.65	13.10	2.48	5.21	0.00	6.47	0.00	162		
5475	D-9L SHANKS EA		2,930	0.74	1.01	0.19	0.40	0.00	0.50	0.00	14		
5480	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK		35,301	8.99	12.19	2.31	4.85	0.00	6.02	0.00	160		
5485	D-8K MULTI-SHANK BEAM HYD-CONTROL		24,589	6.28	8.51	1.61	3.38	0.00	4.19	0.00	103		
5490	D-8K SHANKS EA		1,648	0.42	0.56	0.11	0.23	0.00	0.28	0.00	7		
5495	D-8K SINGLE-SHANK BEAM HYD-CNTL&SHANK		23,873	6.10	8.27	1.56	3.28	0.00	4.07	0.00	100		
5500	D-7G MULTI-SHANK BEAM HYD-CONTROL		14,301	3.68	4.98	0.93	1.96	0.00	2.44	0.00	57		
5505	D-7G SHANKS EA		855	0.22	0.30	0.06	0.12	0.00	0.15	0.00	3		
5510	D-6D MULTI-SHANK BEAM HYD-CONTROL		8,955	2.33	3.14	0.59	1.23	0.00	1.52	0.00	34		
5515	D-6D SHANKS EA		436	0.11	0.16	0.03	0.06	0.00	0.08	0.00	1		
5520	D-4E MULTI-SHANK BEAM HYD-CONTROL		5,525	1.47	1.98	0.36	0.76	0.00	0.95	0.00	20		
5525	D-4E SHANKS EA		233	0.06	0.08	0.02	0.03	0.00	0.04	0.00	1		
5530	D-3B FIVE-SHANK BEAM HYD-CONTROL		2,456	0.69	0.90	0.16	0.34	0.00	0.41	0.00	7		
5535	D-3B SHANKS EA		129	0.03	0.05	0.01	0.02	0.00	0.03	0.00	1		

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

ITEM NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION AVERAGE	SEVERE	STAND- BY	AVERAGE COND. OWNER- SHIP	SEVERE COND. OWNER- SHIP	FUEL				
RIPPER & HYDR BANK SLOPER (CONT'D) ***** (DOES NOT INCLUDE COST OF POINT WEAR)												
FIAT-ALLIS												
5545	41-R W/HYD-CNTL AND 2 SHANKS	50,167	12.71	17.27	3.27	6.88	0.00	8.55	0.00	195		
5550	31-R W/HYD-CNTL AND 2 SHANKS	40,631	10.31	14.01	2.66	5.58	0.00	6.94	0.00	189		
5555	30-R W/HYD-CNTL AND 2 SHANKS	26,405	6.71	9.13	1.72	3.62	0.00	4.51	0.00	103		
5560	RP20B W/HYD-CNTL AND 3 SHANKS	24,983	6.36	8.63	1.63	3.43	0.00	4.26	0.00	86		
ROLLER, RUBBER TIRED, SELF-PROPELLED *****												
FERGUSON												
5570	MOD SP-912	12 TON	85 HP D	30,887	10.54	1.82	3.43	3.42		82		
5575	MOD SP-915	15 TON	85 HP D	32,866	10.95	1.95	3.67	3.42		105		
5580	MOD SP-1118	18 TON	85 HP D	43,547	13.12	2.57	4.86	3.42		111		
5585	MOD SP-1130	31 TON	125 HP D	72,739	21.60	4.18	7.65	5.03		228		
INGRAM												
5600	9-2600-P	12 TON	76 HP D	27,927	9.50	1.65	3.10	3.06		73		
5605	9-2600-PA	12 TON	76 HP D	30,020	9.92	1.77	3.34	3.06		86		
5605	9-3400-P	15 TON	76 HP D	30,704	10.16	1.82	3.42	3.14		97		
5610	11-2700	15 TON	107 HP G	29,600	17.02	1.74	3.27	8.83		89		
5615	11-2700	15 TON	76 HP D	32,976	10.55	1.94	3.66	3.06		91		
5620	13-2300	15 TON	107 HP G	30,958	17.31	1.82	3.41	8.83		86		
5625	13-2300	15 TON	76 HP D	34,343	10.84	2.02	3.80	3.06		90		
5630	9-6000	27 TON	117 HP D	75,132	21.28	4.41	8.26	4.71		205		
TAHOE												
5640	SP-312	12 TON	68 HP D	31,099	9.75	1.83	3.46	2.74		66		
5645	SP-518	15 TON	68 HP D	38,521	11.40	2.24	4.15	2.74		95		
5650	SP-550	27 TON	130 HP D	78,502	22.62	4.61	8.66	5.24		198		
5655	SP-1070 M	35 TON	130 HP D	95,535	26.20	5.60	10.48	5.24		258		

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	OWNER-SHIP					
			AVERAGE	SEVERE										
ROLLER, RUBBER TIRED, TOWED														
FERGUSON														
5665	RT-100S	50 TON	50,632	9.95		2.64	4.25	0.00		200				
5670	RT-120S	60 TON	58,986	12.56		3.18	5.38	0.00		218				
SOUTHWEST														
5680	C 75	75 TON	64,420	12.66		3.32	5.25	0.00		363				
5685	C 50	50 TON	57,251	11.34		3.06	5.08	0.00		309				
5690	C 100	100 TON	90,208	17.85		4.86	8.19	0.00		551				
TAMPO														
5700	R-13	14 TON	7,863	1.69		0.44	0.78	0.00		35				
ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED														
FERGUSON														
5710	MOD 112	40"X48" 3-7 TON	10,849	2.30		0.65	1.24	0.00		65				
5715	MOD 112W	40"X48" 4.5-8 TON	13,780	2.89		0.82	1.57	0.00		91				
5720	MOD 112W-48	48"X48" 5-10 TON	14,180	2.97		0.85	1.62	0.00		105				
5725	MOD 120	60"X60" 8-18 TON	21,234	4.39		1.27	2.42	0.00		157				
5730	MOD 120 MOD	60"X60" 8-18 TON	32,501	6.65		1.94	3.70	0.00		230				
5735	MOD 120-RE	60"X60" 11-22.5TON	49,201	10.01		2.93	5.60	0.00		327				
5740	MOD 22	60"X72" 16-20 TON	32,203	6.61		1.92	3.67	0.00		215				
5745	MOD 22 MOD	60"X72" 16-20 TON	37,291	7.62		2.23	4.25	0.00		269				
5750	MOD 144-RE	60"X72" 19-24 TON	57,913	11.78		3.46	6.60	0.00		385				
TAMPO														
5760	H-1 TF	40"X48" 2.6TON	4,800	1.09		0.29	0.55	0.00		32				
5765	H-2 TF	40"X48" 5 TON	9,710	2.07		0.58	1.10	0.00		63				

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.	OWNER-SHIP	FUEL	OWNER-SHIP	
			AVERAGE	SEVERE						
ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED										
CATERPILLAR										
5775	815 B	40.5"X38"	170 HP D	136,366	35.95		8.13	15.53	6.85	418
5780	825C	51"X41.5"	310 HP D	208,176	57.42		12.42	23.72	12.49	633
5785	825C	W/S BLADE	310 HP D	219,125	59.62		13.07	24.96	12.49	684
HYSTER										
5795	C455-B	TANDEM	80"X80" ARTIC	330 HP D	229,304	62.67		13.68	26.13	13.29
ROLLER, SMOOTH WHEEL, SELF-PROPELLED										
FERGUSON										
5805	3-5 TON	TANDEM	39 HP D	22,068	6.40		1.32	2.52	1.57	73
5810	4-6 TON	TANDEM	39 HP D	26,723	7.33		1.59	3.04	1.57	92
5815	5-8 TON	TANDEM	85 HP D	36,834	11.66		2.20	4.20	3.42	121
5820	8-10 TON	TANDEM	85 HP D	39,519	12.20		2.36	4.50	3.42	162
5825	8-12 TON	TANDEM	85 HP D	42,726	12.84		2.54	4.86	3.42	164
5830	10-14 TON	TANDEM	85 HP D	46,691	13.64		2.79	5.32	3.42	206
INGRAM										
5840	12 TON EB 3 WHEEL 3" OVERLAP	107 HP G	47,329	20.49			2.83	5.40	8.83	194
5845	12 TON EB 3 WHEEL 3" OVERLAP	85 HP D	50,705	14.46			3.03	5.78	3.42	196
5850	14 TON EB 3 WHEEL 3" OVERLAP	107 HP G	50,168	21.05			2.99	5.71	8.83	221
5855	14 TON EB 3 WHEEL 3" OVERLAP	85 HP D	53,544	15.02			3.19	6.10	3.42	223
5860	4-6 TON FB 2 WHEEL	TANDEM	54 HP G	22,320	10.02		1.34	2.55	4.45	82
5865	6-9 TON GB 2 WHEEL	TANDEM	107 HP G	31,606	17.31		1.88	3.60	8.83	133
5870	6-9 TON GB 2 WHEEL	TANDEM	76 HP D	34,982	10.83		2.08	3.98	3.06	135
5875	8-12 TON HB 2 WHEEL	TANDEM	107 HP G	38,299	18.66		2.28	4.36	8.83	171
5880	8-12 TON HB 2 WHEEL	TANDEM	76 HP D	41,675	12.19		2.49	4.75	3.06	173
5885	10-14 TON HB 2 WHEEL	TANDEM	107 HP G	41,342	19.28		2.47	4.71	8.83	258
5890	10-14 TON HB 2 WHEEL	TANDEM	76 HP D	44,718	12.80		2.67	5.10	3.06	262

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.	OWNER-SHIP	FUEL	
			AVERAGE	SEVERE					
ROLLER, VIBRATORY, SINGLE DRUM, TOWED ***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
DYNAPAC									
5900	CK-11	40HZ 30"X55"	5 TON	18 HP G	11,520	5.64	0.75	1.53	2.05
5905	CF-11	40HZ TF 30"X55"	5 TON	18 HP G	14,118	6.35	0.92	1.88	2.05
5910	CH-47	27HZ 47"X74"	13 TON	43 HP D	28,587	10.71	1.86	3.80	2.42
5915	CF-47	27HZ TF 47"X74"	13 TON	43 HP D	31,040	11.36	2.01	4.12	2.42
5920	CK-51	25HZ 59"X83"	24 TON	95 HP D	44,121	18.51	2.87	5.86	5.34
5925	CF-51	25HZ TF 59"X83"	24 TON	95 HP D	46,260	19.09	3.01	6.15	5.34
FERGUSON									
5935	65	25HZ TF 60"X72"	11 TON	49 HP D	33,057	12.32	2.15	4.39	2.75
5940	652	30HZ TF 44"X72"	11 TON	49 HP D	35,923	13.09	2.33	4.77	2.75
5945	230	25HZ 66"X78"	20 TON	77 HP D	53,502	19.79	3.48	7.11	4.33
5950	230T	25HZ TF 55"X78"	21 TON	77 HP D	58,243	21.07	3.79	7.74	4.33
HYSTER									
5960	C200B	30HZ 48"X60"	9 TON	36 HP D	28,054	10.07	1.83	3.73	2.02
5965	C210A	30HZ TF 58"X60"	9 TON	39 HP D	33,424	11.73	2.18	4.44	2.19
RAYCO									
5975	SF-54A	TF 38HZ 30"X54"	7.5TON	30 HP D	17,060	6.68	1.11	2.26	1.69
5980	SM-54A	38HZ 30"X54"	7.5TON	30 HP D	15,463	6.25	1.00	2.05	1.69
SOUTHWEST									
5990	756	25HZ TF 66"X78"23.5TON	75 HP D		67,078	23.30	4.36	8.91	4.21
5995	566	33HZ TF 56"X72"25.5TON	50 HP D		51,294	17.30	3.33	6.81	2.81

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				
ROLLER, VIBRATORY, SD, TOWED (CONT'D)												
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS												
TAMPO												
6005	VC-80	27HZ	48"X60"	7.5TON	36 HP D	20,761	8.11	1.35	2.76	2.02	71	
6010	VS-125	25HZ TF	48"X72"	11 TON	60 HP D	41,318	15.32	2.69	5.49	3.37	145	
6015	VC-400	23HZ	60"X84"	21.5TON	90 HP D	55,832	21.31	3.62	7.41	5.06	227	
ROLLER, VIB, SINGLE DRUM, SELF-PROPELLED												
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS												
DYNAPAC												
6025	CA-15	29HZ	48"X66"	11 TON	73 HP D	50,940	18.85	3.30	6.71	4.10	126	
6030	CA-15A	42HZ	48"X66"	12 TON	73 HP D	56,950	20.48	3.67	7.45	4.10	137	
6035	CA-15PD	29HZ TF	53"X66"	13 TON	73 HP D	63,987	22.37	4.14	8.41	4.10	151	
6040	CA-25A	40HZ	60"X84"	18 TON	125 HP D	76,425	29.44	4.91	9.93	7.02	213	
6045	CA-25	28HZ	60"X84"	18 TON	125 HP D	60,937	25.26	3.90	7.85	7.02	193	
6050	CA-25S	28HZ	61"X84"	22 TON	125 HP D	64,458	26.21	4.13	8.32	7.02	216	
6055	CA-25PD	28HZ	68"X84"	22 TON	125 HP D	73,713	28.70	4.73	9.54	7.02	240	
6060	CA-30	28HZ	61"X84"	22 TON	125 HP D	67,774	27.10	4.34	8.76	7.02	235	
6065	CA-30D	28HZ	61"X84"	22 TON	125 HP D	84,215	31.53	5.41	10.94	7.02	245	
FERGUSON												
6075	SP 266	42HZ	48"X66"	15 TON	125 HP D	67,429	26.89	4.39	8.96	7.02	213	
6080	SP 75BA	30HZ	60"X84"	18 TON	85 HP D	60,623	22.40	3.89	7.83	4.78	197	
6085	SP 75D	30HZ	60"X84"	22.5 TON	120 HP D	66,358	26.37	4.25	8.57	6.74	193	
6090	SP 75DT	30HZ TF	60"X84"	22.5 TON	120 HP D	75,742	28.90	4.86	9.82	6.74	237	

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					
ROLLER, VIBRATORY,SD,S/P (CONT'D)														
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
INGERSOLL RAND														
6100	SPF-56 30HZ TF 56"X84" 21 TON 115 HP D	76,025	28.62		4.88	9.85	6.46		222					
6105	SP-60DD 25HZ 60"X100" 30 TON 210 HP D	120,436	47.25		7.75	15.70	11.80		450					
RAYGO														
6115	RASCAL 220A 30HZ TF38"X48" 6 TON 70 HP D	50,170	18.42		3.24	6.61	3.93		97					
6120	RASCAL 303A 38HZ 48"X66" 8 TON 70 HP D	50,768	18.60		3.28	6.65	3.93		137					
6125	RASCAL 320A 25HZ TF48"X60" 8 TON 80 HP D	68,628	24.10		4.45	9.07	4.49		151					
6130	RASCAL 320S 25HZ 48"X60" 8 TON 80 HP D	58,519	21.39		3.78	7.68	4.49		144					
6135	RUSTLER 304A 28HZ 48"X66" 8 TON 70 HP D	55,017	19.74		3.55	7.22	3.93		130					
6140	RASCAL 400A 25HZ 59"X84"13.5TON 88 HP D	64,043	23.51		4.10	8.26	4.94		213					
6145	RUSTLER 404B 28HZ 59"X84"13.5TON 88 HP D	75,413	26.58		4.84	9.79	4.94		184					
6150	RASCAL 410A 25HZ 59"X84"13.5TON 88 HP D	75,787	26.68		4.86	9.82	4.94		246					
6155	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	84,472	31.18		5.44	11.00	6.69		223					
6160	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	72,962	28.50		4.68	9.45	7.02		209					
6165	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	93,919	34.10		5.88	11.57	6.69		374					
6170	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	81,830	30.84		5.09	9.96	6.69		332					
6175	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	77,228	29.81		4.89	9.73	7.02		263					
TAMPO														
6185	RS-16A 26HZ 48"X24" 7.5TON 68 HP D	50,272	18.33		3.25	6.59	3.82		124					
6190	RS-16 26HZ 48"X24" 8 TON 68 HP D	43,979	16.62		2.84	5.78	3.82		115					
6195	RS-16D 26HZ 48"X24" 8 TON 80 HP D	53,500	20.02		3.47	7.05	4.49		123					
6200	RH-16A 26HZ 48"X24" 9 TON 75 HP D	58,694	21.08		3.80	7.71	4.21		153					
6205	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	58,891	21.47		3.81	7.76	4.49		127					
6210	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	76,698	28.45		4.92	9.94	6.18		212					
6215	RS-28C 25HZ 60"X84" 15 TON 107 HP D	63,719	24.75		4.08	8.22	6.01		202					

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

UNIT NO.	EQUIP LNT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
ROLLER, VIBRATORY,SD,S/P (CONT'D)																			
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS																			
TAMPO (CONT'D)																			
6220	RS-28D	25HZ	60"X84"	15 TON	107 HP	D	68,912	26.15	4.42	8.91	6.01	208							
6225	RH-28D	28HZ	60"X84"	22.5TON	110 HP	D	87,756	31.43	5.64	11.41	6.18	259							
ROLLER,VIB,DOUBLE DRUM,SELF-PROPELLED																			
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS																			
DYNAPAC																			
6235	LR-50	60HZ	TANDEM	2 TON	16 HP	D	9,026	3.55	0.59	1.20	0.90	25							
6240	CC-10	50HZ	TANDEM	2 TON	34 HP	D	26,345	9.47	1.72	3.50	1.91	50							
6245	CC-21	50HZ	TANDEM	4 TON	71 HP	D	59,043	20.86	3.84	7.84	3.99	133							
6250	CC-42II	42HZ	TANDEM	12 TON	125 HP	D	75,575	29.08	4.91	10.04	7.02	200							
6255	CC-50A	40HZ	TANDEM	18 TON	155 HP	D	95,498	36.53	6.20	12.68	8.71	304							
6260	CC-50S	28HZ	TANDEM	22 TON	181 HP	D	109,807	42.21	7.14	14.59	10.17	342							
6265	CC-50PD	28HZ	TF TANDEM	22 TON	225 HP	D	124,221	49.15	8.07	16.50	12.64	419							
RAYGO																			
6275	REBEL 1-36	40HZ	TANDEM	2 TON	16 HP	D	9,257	3.62	0.60	1.23	0.90	23							
6280	ROMPER 2-36	40HZ	TANDEM	4 TON	35 HP	D	22,411	8.48	1.46	2.98	1.97	40							
6285	RUSTLER 5604A	50HZ	TANDEM	5.5TON	70 HP	D	58,456	20.63	3.80	7.77	3.93	132							
6290	RUSTLER 7204A	38HZ	TANDEM	8 TON	115 HP	D	80,084	29.60	5.20	10.64	6.46	250							
6295	RANGER 2-66	38HZ	TANDEM	8 TON	119 HP	D	93,484	33.49	6.08	12.42	6.69	215							
TAMPO																			
6305	RS-03	60HZ	36"X24"	2 TON	14 HP	D	9,112	3.44	0.60	1.21	0.79	23							
6310	RS-144A	50HZ	42"X48"	8 TON	52 HP	D	46,268	16.09	3.01	6.15	2.92	100							
6315	RS-166A	36HZ	48"X66"	16 TON	80 HP	D	69,817	24.39	4.54	9.28	4.49	192							
6320	RS-188A	36HZ	60"X84"	30 TON	156 HP	D	94,449	36.32	6.14	12.55	8.76	310							

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				
	ROLLER, VIBRATORY, DD, S/P (CONT'D)									

	TF=ROLLER W/TAMPING FEET									
	VIBRATION FREQUENCY IN HERTZ									
	DYNAMIC FORCE SHOWN IN TONS									
	TAMPO (CONT'D)									
6325	RH-199 25HZ 60"X96" 45 TON 262 HP D	141,648	56.43		9.21	18.82	14.72		491	
	SCRAPERS, SELF-PROPELLED									

	(CAPACITY AS RECOMMENDED BY MFGR									
	HP & FUEL LISTED TRACTOR/SCRAPER									
	PP = PUSII PULL ATTACHMENT)									
	CATERPILLAR									
6335	613-B 13 T 11 CY P.S. 150 HP D	115,323	34.54	45.62	6.56	11.78	6.20	13.62	8.11	324
6340	621-B 24 T 14-20 CY P.S. 330 HP D	232,146	67.07	89.64	13.10	24.27	12.24	28.20	16.09	648
6345	623-B 25 T 22 CY P.S. 330 HP D	258,312	73.48	97.48	14.67	26.24	13.64	30.30	17.84	713
6350	627-B 24 T 14-20 CY P.S. 225/225 HP D/D	270,798	81.22	106.90	15.71	30.06	17.65	35.08	22.90	726
6355	627-B PP 24 T 14-20 CY P.S. 225/225 HP D/D	287,379	84.39	110.83	16.70	32.00	17.65	37.35	22.90	768
6360	631-D 37.5T 21-31 CY P.S. 450 HP D	349,206	93.31	121.83	20.18	38.42	16.69	44.80	21.94	934
6365	633-D 37.5T 34 CY P.S. 450 HP D	398,283	104.69	135.77	23.11	42.47	18.60	49.24	24.33	1038
6370	637-D 37.5T 21-31 CY P.S. 450/255 HP D/D	430,139	127.78	167.75	25.00	47.91	27.65	55.92	35.87	1040
6375	637-D PP 37.5T 21-31 CY P.S. 450/255 HP D/D	448,428	131.28	172.09	26.09	50.06	27.65	58.44	35.87	1087
6380	641-B 47 T 28-38 CY P.S. 550 HP D	434,920	115.54	150.77	25.15	47.91	20.40	55.87	26.82	1167
6385	651-B 52 T 32-44 CY P.S. 550 HP D	452,912	118.88	154.91	26.22	50.02	20.40	58.35	26.82	1191
6390	657-B 52 T 32-44 CY P.S. 550/400 HP D/D	558,739	166.80	218.45	32.52	62.44	37.26	72.90	48.34	1435
	CLARK									
6400	110-9 11 T 9.5CY P.S. 160 HP D	95,420	29.59	38.47	5.52	10.11	6.61	11.73	8.65	286
6405	110-11B 13 T 11 CY P.S. 174 HP D	109,826	33.42	43.39	6.36	11.67	7.19	13.53	9.41	345
6410	110-15B 18 T 15 CY P.S. 232 HP D	144,674	42.04	54.86	8.35	15.24	9.59	17.66	12.54	456
6415	110H-TB 19 T 16 CY P.S. 140/140 HP D/D	196,503	56.29	73.91	11.42	21.89	10.98	25.56	14.25	521
6420	210-HB 26.5T 23 CY P.S. 324 HP D	241,440	66.26	86.05	14.00	25.69	13.39	29.77	17.52	710

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT											
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP												
SCRAPERS, SELF-PROPELLED (CONT'D)																					
(CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)																					
FIAT-ALLIS																					
6430	161	18.7 T	15 CY P.S.	229 HP D	158,135	44.41	57.77	9.15	16.76	9.47	19.43	12.38	449								
6435	260B	25.0 T	15-21 CY P.S.	325 HP D	212,646	59.33	77.57	12.27	23.35	12.06	27.23	15.85	584								
6440	261B	26.5 T	23 CY P.S.	325 HP D	241,600	66.02	85.56	14.04	25.82	13.44	29.94	17.57	630								
6445	262B	25.0 T	15-21 CY P.S.	325/171 HP D/D	257,293	80.89	106.63	14.91	28.48	19.45	33.22	25.24	679								
6450	263-B	26.5 T	23 CY P.S.	325/171 HP D/D	304,762	89.49	116.99	17.76	34.15	19.45	39.88	25.24	742								
INTERNATIONAL																					
6460	412B	13 T	11 CY P.S.	168 HP D	112,837	33.60	43.52	6.55	12.05	6.95	13.97	9.08	335								
6465	431B	24 T	14-21 CY P.S.	326 HP D	225,734	62.17	81.29	13.03	24.77	12.09	28.88	15.90	594								
6470	433B	24 T	14-21 CY P.S.	326/185 HP D/D	265,003	83.10	109.41	15.37	29.38	20.04	34.28	26.00	690								
6475	442B	25 T	22 CY P.S.	326 HP D	252,240	68.70	89.26	14.61	26.80	13.48	31.06	17.62	680								
6480	444B	25 T	22 CY P.S.	326/185 HP D/D	297,533	89.88	118.20	17.27	33.06	20.04	38.58	26.00	805								
JOHN DEERE																					
6490	JD762	13.7 T	11 CY P.S.	175 HP D	118,827	35.17	45.50	6.91	12.73	7.23	14.76	9.46	355								
6495	JD862	20.0 T	16 CY P.S.	250 HP D	160,467	45.92	59.71	9.29	17.03	10.33	19.74	13.51	492								
TEREX (GM)																					
6505	S-23B	26.5T	23 CY P.S.	310 HP D	239,411	65.48	85.23	13.84	25.34	12.82	29.38	16.76	658								
6510	S-24B	40.8T	24-34 CY P.S.	475 HP D	370,365	100.80	132.77	21.23	40.05	17.62	46.65	23.16	955								
6515	TS-14B	23.5T	14-20 CY P.S.	144/144 HP D/D	235,312	65.55	86.38	13.65	26.11	11.30	30.47	14.65	544								
6520	TS-18	30 T	18-24 CY P.S.	295/225 HP D/D	309,459	92.60	121.59	17.98	34.46	20.39	40.22	26.46	721								
6525	TS-24	40 T	24-32 CY P.S.	394/225 HP D/D	415,289	120.41	158.17	24.13	46.24	24.28	53.97	31.49	959								
6530	TS-24B	40.8T	24-34 CY P.S.	475/242 HP D/D	472,442	140.06	185.46	27.31	52.03	28.12	60.69	36.48	1084								

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					
SCRAPER, TRACTOR DRAWN														

ROME														
6545	ROME 18T 12-17CY HYDR/CONTROL	66,300	12.35	14.86	3.56	6.32	0.00	7.09	0.00	235				
6550	ROME 27T 18-26CY HYDR/CONTROL	87,837	16.65	20.12	4.66	8.15	0.00	9.14	0.00	365				
SOUTHWEST														
6560	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	33,803	6.34	7.64	1.80	3.16	0.00	3.55	0.00	137				
TRACTOR, CRAWLER (DOZER)														

CATERPILLAR														
6570	D-3B P.S. 65 HP D	35,333	12.03	15.45	2.11	3.83	2.82	4.43	3.72	126				
6575	3P POWER ANGLE & POWER TILT	7,226	1.58	2.00	0.43	0.84	0.00	0.99	0.00	24				
6580	D-4E P.S. 75 HP D	44,134	14.69	18.83	2.64	4.79	3.26	5.54	4.29	173				
6585	4A ANGLE BLADE HYDRAULIC	9,351	2.03	2.57	0.56	1.10	0.00	1.29	0.00	28				
6590	4S STRAIGHT BLADE HYDRAULIC	7,279	1.59	2.01	0.43	0.85	0.00	1.00	0.00	25				
6595	D-5B P.S. 105 HP D	73,894	23.41	29.98	4.41	8.02	4.56	9.27	6.01	223				
6600	5A ANGLE BLADE HYDRAULIC	11,602	2.50	3.16	0.69	1.36	0.00	1.59	0.00	43				
6605	5S STRAIGHT BLADE HYDRAULIC	8,946	1.94	2.46	0.53	1.05	0.00	1.23	0.00	32				
6610	D-6D P.S. 140 HP D	100,917	31.77	40.68	6.02	10.95	6.08	12.66	8.01	274				
6615	6S STRAIGHT BLADE HYDRAULIC	11,706	2.52	3.19	0.70	1.37	0.00	1.60	0.00	49				
6620	6A ANGLE BLADE HYDRAULIC	13,244	2.85	3.61	0.80	1.56	0.00	1.82	0.00	53				
6625	D-7G P.S. 200 HP D	145,088	45.60	58.39	8.66	15.74	8.69	18.20	11.45	377				
6630	7S STRAIGHT BLADE HYDRAULIC	18,844	4.02	5.10	1.12	2.21	0.00	2.59	0.00	77				
6635	7U HYD. UNIVERSAL BLADE	20,646	4.38	5.58	1.23	2.41	0.00	2.83	0.00	84				
6640	7A ANGLE BLADE HYDRAULIC	16,438	3.51	4.46	0.98	1.92	0.00	2.26	0.00	68				
6645	D-8K P.S. 300 HP D	194,089	52.58	65.73	10.90	19.50	13.04	21.90	17.17	638				
6650	8S STRAIGHT BLADE HYDRAULIC	27,498	5.83	7.42	1.64	3.22	0.00	3.78	0.00	121				
6655	8U HYD. UNIVERSAL BLADE	30,303	6.41	8.16	1.81	3.55	0.00	4.16	0.00	133				
6660	8A ANGLE BLADE HYDRAULIC	23,281	4.95	6.28	1.39	2.73	0.00	3.19	0.00	116				

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			
TRACTOR, CRAWLER (DOZER) (CONT'D)												
CATERPILLAR (CONT'D)												
6665	PUSH PLATE USE W/BS	711	0.20	0.24	0.04	0.08	0.00	0.10	0.00	4		
6670	D-9L P.S. 460 HP D	303,258	75.44	92.73	16.12	28.58	19.99	31.48	26.33	977		
6675	9S STRAIGHT BLADE HYDRAULIC	37,650	7.95	10.11	2.24	4.41	0.00	5.16	0.00	184		
6680	9A ANGLE BLADE HYDRAULIC	29,309	6.21	7.89	1.75	3.44	0.00	4.02	0.00	152		
6685	9U HYD. UNIVERSAL BLADE	39,806	8.40	10.69	2.37	4.66	0.00	5.46	0.00	195		
6690	9C CUSHION BLADE	33,110	7.00	8.91	1.98	3.88	0.00	4.55	0.00	154		
6695	REAR CUSHION PUSH BLOCK	9,958	2.20	2.77	0.59	1.16	0.00	1.36	0.00	54		
6700	FRONT PUSH PLATE	1,061	0.29	0.35	0.06	0.12	0.00	0.14	0.00	7		
6705	D-10 P.S. 700 HP D	511,746	123.26	151.15	27.20	48.23	30.42	53.12	40.07	1526		
6710	10S STRAIGHT BLADE HYDRAULIC	57,211	12.05	15.34	3.41	6.70	0.00	7.85	0.00	280		
6715	10U HYD. UNIVERSAL BLADE	62,979	13.26	16.88	3.76	7.38	0.00	8.64	0.00	289		
6720	FRONT PUSH PLATE	1,234	0.32	0.40	0.07	0.14	0.00	0.17	0.00	7		
6725	REAR PUSH BLOCK	17,561	3.75	4.76	1.05	2.06	0.00	2.41	0.00	48		
FIAT-ALLIS												
6735	8-B P.S. 88 HP D	53,950	17.73	22.75	3.22	5.85	3.82	6.77	5.04	189		
6740	8-HA ANGLE BLADE HYDRAULIC	7,919	1.73	2.19	0.47	0.93	0.00	1.09	0.00	30		
6745	8-HSU SEMI-U BLADE HYDRAULIC	7,907	1.71	2.17	0.47	0.93	0.00	1.09	0.00	30		
6750	10-C P.S. 122 HP D	72,204	23.98	30.75	4.31	7.83	5.30	9.06	6.98	256		
6755	10-HA ANGLE BLADE HYDRAULIC	8,812	1.92	2.42	0.53	1.04	0.00	1.21	0.00	36		
6760	10-HSU SEMI-U BLADE HYDRAULIC	10,791	2.32	2.93	0.65	1.27	0.00	1.48	0.00	38		
6765	14-C P.S. 150 HP D	101,149	32.40	41.52	6.04	10.97	6.52	12.69	8.59	306		
6770	14-HA ANGLE BLADE HYDRAULIC	13,497	2.90	3.67	0.81	1.59	0.00	1.85	0.00	51		
6775	14-HSU SEMI-U BLADE HYDRAULIC	13,475	2.86	3.65	0.80	1.57	0.00	1.85	0.00	51		
6780	20 P.S. 223 HP D	128,954	43.13	55.31	7.70	13.99	9.69	16.18	12.76	453		
6785	20-HA ANGLE BLADE HYDRAULIC	14,351	3.07	3.90	0.86	1.68	0.00	1.97	0.00	66		
6790	20-HS STRAIGHT BLADE HYDRAULIC	15,076	3.23	4.09	0.90	1.77	0.00	2.07	0.00	66		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP						
					AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP						
TRACTOR, CRAWLER (DOZER) (CONT'D)															
FIAT-ALLIS (CONT'D)															
6795	20-HSU SEMI-U BLADE HYDRAULIC	20,479	4.34	5.52	1.22	2.40	0.00	2.81	0.00	79					
6800	30-C P.S. 300 HP D	192,167	52.21	65.29	10.79	19.30	13.04	21.68	17.17	636					
6805	30HSU HYD. SEMI-UNIVERSAL BLADE	28,496	6.02	7.65	1.70	3.34	0.00	3.91	0.00	127					
6810	30-HU FULL-U BLADE HYDRAULIC	28,943	6.11	7.78	1.73	3.39	0.00	3.98	0.00	114					
6815	31 P.S. 425 HP D	264,303	72.49	90.69	14.84	26.55	18.47	29.82	24.33	908					
6820	31-HSU SEMI-U BLADE HYDRAULIC	42,901	9.03	11.49	2.55	5.02	0.00	5.88	0.00	190					
6825	31-HU FULL-U BLADE HYDRAULIC	43,933	9.25	11.77	2.62	5.15	0.00	6.02	0.00	210					
6830	31-HC CUSHION BLADE	27,557	5.83	7.42	1.64	3.22	0.00	3.78	0.00	120					
6835	41-S P.S. 524 HP D	383,168	92.29	113.16	20.37	36.12	22.77	39.77	29.99	1128					
6840	41-HSU SEMI-U BLADE HYDRAULIC	49,581	10.42	13.28	2.95	5.80	0.00	6.80	0.00	222					
6845	41-HU FULL-U BLADE HYDRAULIC	56,616	11.90	15.16	3.38	6.63	0.00	7.77	0.00	254					
6850	41-HC CUSHION BLADE	31,628	6.70	8.51	1.89	3.71	0.00	4.34	0.00	120					
INTERNATIONAL															
6860	TD-7-E P.S. W/HYD BLADE 65 HP D	46,587	14.68	18.81	2.78	5.05	2.82	5.85	3.72	139					
6865	TD-8-E P.S. W/HYD BLADE 78 HP D	57,856	18.08	23.15	3.45	6.27	3.39	7.26	4.46	172					
6870	TD-12 P.S. W/HYD BLADE 110 HP D	80,091	25.15	32.21	4.78	8.69	4.78	10.05	6.30	267					
6875	TD-15-C P.S. 140 HP D	95,965	30.61	39.21	5.73	10.41	6.08	12.05	8.01	271					
6880	15D-2 HYD. SEMI-UNIVERSAL BLADE	11,000	2.34	2.98	0.65	1.28	0.00	1.50	0.00	46					
6885	15G-2 ANGLE BLADE HYDRAULIC	12,408	2.64	3.36	0.74	1.45	0.00	1.70	0.00	50					
6890	TD-20-E P.S. 210 HP D	144,423	46.03	58.96	8.62	15.67	9.13	18.12	12.02	414					
6895	20D-2 HYD. SEMI-UNIVERSAL BLADE	19,509	4.14	5.26	1.17	2.29	0.00	2.68	0.00	61					
6900	20G-2 ANGLE BLADE HYDRAULIC	13,113	2.80	3.55	0.78	1.54	0.00	1.80	0.00	71					
6905	TD-25-E P.S. 310 HP D	189,379	52.24	65.38	10.64	19.03	13.47	21.37	17.74	604					
6910	25D-2 HYD. SEMI-UNIVERSAL BLADE	23,941	5.07	6.44	1.43	2.81	0.00	3.29	0.00	113					
6915	25G-2 ANGLE BLADE HYDRAULIC	19,722	4.18	5.31	1.18	2.31	0.00	2.70	0.00	115					
6920	FRONT PUSHER CUSHION	8,330	1.82	2.29	0.50	0.98	0.00	1.14	0.00	29					

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. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL									
			AVERAGE	SEVERE													
TRACTOR, CRAWLER (DOZER) (CONT'D)																	
INTERNATIONAL (CONT'D)																	
6925	REAR PUSHER CUSHION	4,826	1.13	1.41	0.29	0.57	0.00	0.66	0.00	23							
6930	FRONT PUSH BLOCK /S BLD	735	0.23	0.27	0.05	0.09	0.00	0.10	0.00	12							
JOHN DEERE																	
6940	JD350C/6305 D.D. W/HYD BLADE	42 HP D	30,840	9.67	12.37	1.84	3.35	1.83	3.87	2.40	107						
6945	JD450C/6405 D.D. W/HYD BLADE	65 HP D	42,965	13.83	17.73	2.56	4.66	2.82	5.39	3.72	143						
6950	JD550/6405 P.S. W/HYD BLADE	72 HP D	51,344	16.21	20.77	3.07	5.57	3.13	6.45	4.12	155						
KOMATSU																	
6960	D31A-16 H.S.	63 HP D	34,971	11.85	15.19	2.09	3.80	2.74	4.38	3.61	128						
6965	ANGLE TILTDZOZER BLADE		5,671	1.24	1.56	0.34	0.67	0.00	0.77	0.00	20						
6970	D45A-1 H.S.	90 HP D	52,497	17.52	22.47	3.14	5.70	3.91	6.59	5.15	200						
6975	ANGLE TILTDZOZER BLADE		4,034	0.89	1.13	0.24	0.47	0.00	0.56	0.00	24						
6980	D53A-16A H.S.	118 HP D	76,849	24.85	31.84	4.59	8.34	5.13	9.64	6.75	246						
6985	ANGLE TILTDZOZER BLADE		6,715	1.46	1.84	0.40	0.79	0.00	0.92	0.00	42						
6990	D65E-6 H.S.	155 HP D	108,845	34.50	44.18	6.49	11.80	6.74	13.65	8.87	377						
6995	ANGLE TILTDZOZER BLADE		8,755	1.88	2.39	0.52	1.02	0.00	1.20	0.00	61						
7000	D85A-18 H.S.	220 HP D	137,337	44.93	57.59	8.20	14.90	9.56	17.23	12.59	437						
7005	ANGLE TILTDZOZER BLADE		13,695	2.91	3.71	0.81	1.60	0.00	1.88	0.00	99						
7010	U-DOZER BLADE		14,615	3.11	3.95	0.87	1.71	0.00	2.00	0.00	104						
7015	D155A-1 H.S.	320 HP D	196,799	54.18	67.78	11.06	19.78	13.91	22.20	18.32	690						
7020	ANGLE TILTDZOZER BLADE		18,788	3.98	5.07	1.12	2.20	0.00	2.58	0.00	140						
7025	U-DOZER BLADE		19,855	4.20	5.34	1.18	2.32	0.00	2.72	0.00	142						
7030	D355A-3 H.S.	410 HP D	264,984	71.80	89.78	14.88	26.62	17.82	29.90	23.47	945						
7035	U-DOZER BLADE		25,527	5.39	6.86	1.52	2.99	0.00	3.50	0.00	196						
7040	STRAIGHT DOZER BLADE		23,231	4.91	6.25	1.39	2.72	0.00	3.19	0.00	184						
7045	D455A-1 H.S.	620 HP D	469,466	111.91	137.11	24.95	44.25	26.95	48.72	35.49	1445						
7050	FULL U-DOZER BLADE		61,920	13.01	16.58	3.69	7.25	0.00	8.50	0.00	229						

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					
TRACTOR, CRAWLER (DOZER) (CONT'D)														
KOMATSU (CONT'D)														
7055	U-DOZER BLADE	58,205	12.24	15.58	3.47	6.82	0.00	7.98	0.00	211				
7060	STRAIGHT DOZER BLADE	54,488	11.45	14.60	3.25	6.38	0.00	7.48	0.00	193				
TEREX (GM)														
7070	82-20B P.S. (W/O BLADE) 205 HP D	149,055	46.83	59.95	8.90	16.17	8.91	18.70	11.73	409				
7075	SEMI-U BLADE HYDRAULIC	13,848	2.95	3.75	0.83	1.62	0.00	1.90	0.00	58				
7080	ANGLE BLADE HYDRAULIC	15,494	3.30	4.19	0.93	1.82	0.00	2.13	0.00	69				
7085	FULL-U BLADE HYDRAULIC	15,870	3.37	4.29	0.95	1.86	0.00	2.18	0.00	68				
7090	82-30B P.S. (W/O BLADE) 260 HP D	171,721	46.22	57.76	9.65	17.26	11.30	19.37	14.88	555				
7095	SEMI-U BLADE HYDRAULIC	19,561	4.14	5.28	1.17	2.29	0.00	2.69	0.00	91				
7100	ANGLE BLADE HYD. W/DUAL TILT	25,652	5.43	6.90	1.53	3.01	0.00	3.52	0.00	118				
7105	FULL-U BLADE HYDRAULIC	22,192	4.70	5.98	1.33	2.60	0.00	3.05	0.00	107				
7110	REAR CUSHION PUSH BLOCK	6,436	1.45	1.83	0.38	0.75	0.00	0.89	0.00	30				
7115	82-50B P.S. (W/O BLADE) 370 HP D	244,414	65.79	82.22	13.73	24.56	16.08	27.58	21.18	776				
7120	SEMI-U BLADE HYDRAULIC	25,560	5.40	6.87	1.52	2.99	0.00	3.51	0.00	118				
7125	FULL-U BLADE HYDRAULIC	28,014	5.91	7.53	1.67	3.28	0.00	3.85	0.00	129				
7130	ANGLE BLADE HYDRAULIC	24,775	5.23	6.66	1.48	2.90	0.00	3.40	0.00	157				
7135	PUSH PLATE (WELD ON)	1,032	0.27	0.32	0.06	0.12	0.00	0.14	0.00	6				
7140	PUSH BLOCK (CUSHION REAR)	5,943	1.35	1.69	0.36	0.70	0.00	0.82	0.00	21				
TRACTOR, WHEEL TYPE (DOZER)														
CATERPILLAR														
7150	814-B ARTICULATED ST BLADE P.S. 210 HP D	139,798	38.09	50.67	8.15	15.15	8.46	17.60	11.13	420				
7155	824-C ARTICULATED ST BLADE P.S. 310 HP D	215,553	59.37	80.66	12.46	22.88	12.49	26.53	16.43	621				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
TRACTOR, WHEEL TYPE (DOZER) (CONT'D)													
CLARK													
7165	280 ARTICULATED ST BLADE P.S. 274 HP D	234,530	61.51	83.94	13.54	24.83	11.04	28.79	14.52	691			
7170	380B ARTICULATED ST BLADE P.S. 473 HP D	381,722	97.86	130.97	22.01	40.32	19.05	46.74	25.07	1233			
TRACTOR, WHEEL TYPE (FARM)													
JOHN DEERE													
7180	MOD 301 A 43 HP D	14,223	4.91	6.43	0.83	1.56	1.73	1.81	2.28	0			
7185	MOD 302 50 HP D	15,901	5.56	7.26	0.93	1.75	2.01	2.05	2.65	0			
7190	MOD 401 B 62 HP D	21,439	7.21	9.37	1.26	2.37	2.50	2.76	3.29	0			
TRENCHER, CHAIN - DITCH WITCH													
7200	MOD C99 6"X24" TRENCH 9 HP G	3,009	1.65	2.14	0.18	0.32	0.74	0.37	0.97	6			
7205	MOD 2200 8"X36" TRENCH 17 HP G	13,314	4.83	6.22	0.80	1.47	1.40	1.70	1.83	30			
7210	MOD 2300 10"X36" TRENCH 28 HP G	15,251	6.45	8.32	0.91	1.68	2.31	1.95	3.01	33			
7215	MOD 6510 12"X54" TRENCH 64 HP D	33,608	10.83	13.96	1.99	3.67	2.58	4.26	3.39	72			
7220	MOD R100 10"X72" TRENCH 105 HP D	72,937	21.81	28.09	4.30	7.89	4.23	9.14	5.56	95			
TRENCHER, WHEEL TYPE													
BARBER-GREENE													
7230	MOD TA 56 16"X5'-10" TRENCH 100 HP D	118,318	31.47	40.31	7.06	13.17	4.03	15.29	5.30	250			
7235	MOD TA 65 28"X7'-6" TRENCH 175 HP D	171,299	47.10	60.42	10.22	19.06	7.05	22.14	9.27	431			
CLEVELAND													
7245	MOD 247-HD-1 21"X7' TRENCH 84 HP D	134,054	34.13	43.70	8.00	14.92	3.38	17.33	4.45	277			
7250	MOD 400W-HD-1 36"X9' TRENCH 175 HP D	233,098	60.84	77.94	13.90	25.94	7.05	30.13	9.27	659			

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.	OWNER-SHIP	FUEL	OWNER-SHIP	
			AVERAGE	SEVERE						
TRUCKS, HIGHWAY										
***** (CHASSIS ONLY)										
FORD										
7265	F150 4X2 1/2T PKUP	6100 GVW 157 HP G	6,601	5.48	7.34	0.42	0.84	2.94	1.04	3.92
7270	F150 4X4 1/2T PKUP	6250 GVW 157 HP G	8,206	5.88	7.89	0.53	1.06	2.94	1.30	3.92
7275	F250 4X2 3/4T PKUP	6900 GVW 157 HP G	7,025	5.64	7.55	0.45	0.88	2.94	1.09	3.92
7280	F250 4X4 3/4T PKUP	7400 GVW 157 HP G	8,513	6.02	8.08	0.54	1.07	2.94	1.32	3.92
7285	F350 2AX	10000 GVW 157 HP G	8,039	5.96	7.97	0.50	0.98	2.94	1.21	3.92
7290	F600 2AX	18500 GVW 154 HP G	14,581	12.31	16.03	0.92	1.80	6.74	2.22	8.66
7295	F600 2AX	18500 GVW 162 HP D	20,186	9.60	12.71	1.28	2.54	3.89	3.13	5.05
7300	F700 2AX	24500 GVW 177 HP G	16,899	14.13	18.42	1.07	2.11	7.74	2.59	9.96
7305	F700 2AX	24500 GVW 162 HP D	22,803	10.17	13.49	1.45	2.89	3.89	3.56	5.05
7310	F800 2AX	27000 GVW 177 HP G	19,008	14.65	19.10	1.20	2.36	7.74	2.90	9.96
7315	F800 2AX	27000 GVW 162 HP D	24,302	10.80	14.27	1.51	2.96	3.89	3.64	5.05
7320	LT800 3AX	43000 GVW 223 HP G	29,013	25.97	33.87	1.82	3.58	14.49	4.40	18.68
7325	LT8000 3AX	44800 GVW 175 HP D	39,968	17.38	23.05	2.52	4.98	6.30	6.12	8.19
7330	LTS8000 3AX	46000 GVW 175 HP D	41,833	17.85	23.66	2.63	5.18	6.30	6.37	8.19
7335	LNT8000 3AX	46000 GVW 175 HP D	39,552	17.35	22.99	2.48	4.87	6.30	6.00	8.19
7340	CT8000 3AX	46000 GVW 175 HP D	46,153	18.78	24.93	2.91	5.74	6.30	7.07	8.19
7345	LT9000 3AX 58000 GVW	82000 GCW 239 HP D	60,717	25.48	33.82	3.80	7.44	8.60	9.15	11.19
7350	LTS9000 3AX 60000 GVW	82000 GCW 239 HP D	64,490	26.35	34.95	4.03	7.90	8.60	9.71	11.19
7355	LNT9000 3AX 60000 GVW	82000 GCW 239 HP D	61,149	25.62	33.97	3.82	7.46	8.60	9.16	11.19
7360	CLT9000 3AX	82000 GCW 286 HP D	60,256	27.48	36.39	3.77	7.39	10.30	9.10	13.38
GMC AND CHEVROLET										
7370	C10903 4X2 1/2T PKUP	6200 GVW 165 HP G	7,039	5.81	7.76	0.45	0.89	3.09	1.10	4.12
7375	C10906 4X2 WAGON	6400 GVW 165 HP G	8,733	6.20	8.29	0.56	1.12	3.09	1.37	4.12
7380	K10906 4X4 WAGON	6800 GVW 165 HP G	9,822	6.46	8.67	0.63	1.27	3.09	1.56	4.12
7385	C20903 4X2 3/4T PKUP	7100 GVW 165 HP G	8,267	6.09	8.15	0.53	1.05	3.09	1.29	4.12
7390	K20903 4X4 3/4T PKUP	6800 GVW 165 HP G	9,470	6.40	8.60	0.60	1.21	3.09	1.50	4.12

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.		
	TRUCKS, HIGHWAY (CONT'D)										
	***** (CHASSIS ONLY)										
	GMC AND CHEVROLET (CONT'D)										
7395	C30903 2AX	9000 GVW 160 HP G	7,804	5.88	7.86	0.49	0.98	3.00	1.21	4.00	45
7400	C5D042 2AX	16000 GVW 161 HP G	12,295	12.13	15.78	0.77	1.53	7.04	1.89	9.06	59
7405	C6D042 2AX	19200 GVW 161 HP G	13,863	12.55	16.34	0.87	1.71	7.04	2.10	9.06	64
7410	C6D042 2AX	21200 GVW 165 HP D	19,147	9.46	12.53	1.21	2.40	3.96	2.96	5.15	73
7415	C7D042 2AX	23160 GVW 179 HP G	15,150	13.93	18.11	0.94	1.85	7.83	2.28	10.07	71
7420	C7D042 2AX	27500 GVW 185 HP D	26,196	11.74	15.57	1.65	3.26	4.44	4.02	5.77	92
7425	C7D064 3AX	44500 GVW 195 HP G	28,395	23.61	30.79	1.77	3.43	12.67	4.21	16.33	121
7430	C7D064 3AX	44860 GVW 205 HP D	33,183	17.37	22.92	2.07	4.06	7.38	4.99	9.59	128
7435	J8C042 2AX	35000 GVW 235 HP D	37,684	19.77	26.08	2.35	4.61	8.46	5.66	11.00	102
7440	J8C064 3AX	44860 GVW 210 HP D	39,325	18.92	25.03	2.47	4.87	7.56	5.99	9.83	128
7445	J9C042 2AX	35000 GVW 230 HP D	43,330	17.21	22.82	2.72	5.35	5.52	6.58	7.18	118
7450	J9C064 3AX	50000 GVW 335 HP D	53,880	27.83	36.81	3.42	6.79	12.06	8.37	15.68	148
7455	N9E064 3AX	56000 GVW 307 HP D	63,026	28.58	37.91	4.00	7.95	11.05	9.80	14.37	165
7460	D9K064 3AX	69000 GVW 307 HP D	56,984	27.22	36.04	3.63	7.21	11.05	8.87	14.37	138
	INTERNATIONAL										
7470	SCOUT 4X4	6200 GVW 97 HP G	7,681	4.28	5.75	0.49	0.98	1.82	1.21	2.42	30
7475	1624 2AX	20000 GVW 147 HP G	11,614	11.18	14.54	0.73	1.44	6.43	1.78	8.27	57
7480	1724 2AX	20000 GVW 147 HP G	12,004	11.27	14.67	0.76	1.50	6.43	1.85	8.27	65
7485	1754 2AX	20000 GVW 165 HP D	16,810	8.90	11.75	1.08	2.14	3.96	2.63	5.15	71
7490	1824 2AX	21000 GVW 189 HP G	12,754	13.86	17.98	0.80	1.59	8.27	1.96	10.63	68
7495	1854 2AX	23000 GVW 180 HP D	19,234	9.95	13.15	1.22	2.42	4.32	2.97	5.62	74
7500	1924 2AX	25000 GVW 190 HP G	14,945	14.46	18.81	0.94	1.85	8.31	2.28	10.69	79
7505	1954 2AX	25000 GVW 210 HP D	24,836	12.08	15.99	1.59	3.16	5.04	3.89	6.55	100
7510	F2554 3AX	43000 GVW 210 HP D	41,326	19.36	25.61	2.61	5.14	7.56	6.31	9.83	123
7515	F2574 3AX	50000 GVW 230 HP D	49,547	22.06	29.23	3.14	6.22	8.28	7.66	10.76	123
7520	F4370 3AX	46000 GVW 290 HP D	52,152	25.38	33.59	3.31	6.56	10.44	8.08	13.57	133

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					
TRUCKS, HIGHWAY (CONT'D)														
***** (CHASSIS ONLY)														
INTERNATIONAL (CONT'D)														
7525	F5050	3AX 52000 GVW 225 HP D	50,429	22.02	29.20	3.20	6.34	8.10	7.80	10.53	138			
7530	F5070	3AX 52000 GVW 290 HP D	54,189	25.83	34.19	3.44	6.84	10.44	8.41	13.57	140			
KENWORTH														
7540	K100	3AX 47400 GVW 72800 GCW 290 HP D	66,802	28.59	37.97	4.25	8.47	10.44	10.44	13.57	138			
7545	W900	3AX 50000 GVW 76800 GCW 290 HP D	68,023	28.86	38.34	4.33	8.63	10.44	10.65	13.57	140			
7550	C500	3AX 56000 GVW 86000 GCW 290 HP D	75,062	30.38	40.41	4.78	9.56	10.44	11.80	13.57	144			
PETERBILT														
7560	MOD 348	3AX 56000 GVW 250 HP D	64,433	26.34	34.98	4.08	8.10	9.00	9.97	11.70	121			
7565	MOD 362	3AX 50000 GVW 76800 GCW 350 HP D	70,992	32.28	42.81	4.52	9.03	12.60	11.13	16.38	131			
7570	MOD 359	3AX 50000 GVW 76800 GCW 350 HP D	76,692	33.51	44.49	4.89	9.78	12.60	12.06	16.38	134			
7575	MOD 353	3AX 73000 GVW 125000 GCW 350 HP D	79,647	34.15	45.36	5.09	10.17	12.60	12.54	16.38	174			
7580	MOD 387	3AX 83000 GVW 150000 GCW 350 HP D	107,372	40.15	53.52	6.89	13.83	12.60	17.06	16.38	193			
TRUCK ACCESSORIES														
***** (CHASIS NOT INCLUDED)														
CRANES, HYDRAULIC														
7590	5.3T@5'RAD	24000 GVW MIN	21,720	5.19		1.42	3.00	0.00			79			
7595	8.0T@3'RAD	26500 GVW MIN	26,375	6.28		1.72	3.64	0.00			84			
7600	12.5T@4'RAD	27000 GVW MIN	40,906	9.70		2.67	5.65	0.00			142			
7605	13.5T@4'RAD	44000 GVW MIN	51,117	12.10		3.34	7.06	0.00			158			
7610	15.0T@4'RAD	48000 GVW MIN	58,199	13.76		3.80	8.04	0.00			211			
DUMP BODY, REAR, W/HOIST														
7620	5CY	24000 TO 26000 GVW	5,487	1.37	1.83	0.36	0.76	0.00	0.94	0.00	26			
7625	AIR GATE	8CY 27000 TO 30000 GVW	8,663	2.12	2.85	0.57	1.20	0.00	1.49	0.00	44			
7630	AIR GATE	10CY 36000 AND UP GVW	8,758	2.14	2.87	0.57	1.21	0.00	1.50	0.00	45			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
TRUCK ACCESSORIES (CONT'D)													
***** (CHASIS NOT INCLUDED)													
DUMP BODY, REAR, W/HOIST (CONT'D)													
7635	AIR GAGE 12CY 36000 AND UP GVW	8,882	2.16	2.92	0.58	1.22	0.00	1.53	0.00	46			
FLATBEDS													
7645	8'X9.5'	1,759	0.41		0.11	0.24	0.00			11			
7650	8'X10.5'	1,812	0.43		0.12	0.25	0.00			12			
7655	8'X12.5'	1,978	0.46		0.13	0.27	0.00			14			
7660	8'X14.5'	2,353	0.56		0.16	0.33	0.00			16			
7665	8'X16.5'	2,576	0.61		0.17	0.36	0.00			18			
7670	FLATBED-HOIST	2,466	0.58		0.16	0.34	0.00			10			
7675	FLATBED-SIDEBOARDS	707	0.17		0.05	0.10	0.00			3			
HOISTS, ELECTRIC													
7685	1500LB@1.75'	1,925	0.54		0.13	0.27	0.00			4			
7690	2400LB@3'	2,477	0.66		0.16	0.34	0.00			6			
7695	5000LB@4'	6,758	1.67		0.45	0.94	0.00			15			
7700	6000LB@6'	7,528	1.85		0.49	1.04	0.00			14			
TRANSIT MIXERS													
7710	7 CY 40000 - 50000 GVW RQD	23,919	5.73		1.56	3.30	0.00			63			
7715	8 CY 50000 - 70000 GVW RQD	24,283	5.83		1.59	3.36	0.00			66			
7720	8.5CY 55000 - 75000 GVW RQD	24,528	5.88		1.61	3.39	0.00			68			
7725	9 CY 61000 - 80000 GVW RQD	24,868	5.96		1.62	3.43	0.00			73			
WATER TANKS													
7735	2000 GAL 23500-28000 GVW	10,633	2.50		0.70	1.47	0.00			35			
7740	2500 GAL 25000-34950 GVW	11,195	2.63		0.73	1.55	0.00			39			
7745	3000 GAL 29000-40000 GVW	11,890	2.79		0.78	1.64	0.00			44			

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					
TRUCK TRAILERS														

BOTTOM DUMP														
7755	18CY 27T	25,939	5.13	6.47	1.49	2.85	0.00	3.33	0.00	122				
7760	20CY 30T	29,853	5.88	7.42	1.73	3.30	0.00	3.85	0.00	140				
7765	30CY 30T	29,495	5.82	7.33	1.71	3.26	0.00	3.80	0.00	160				
7770	28CY 42T	37,411	7.31	9.23	2.16	4.15	0.00	4.85	0.00	180				
7775	20CY 35T OFF-HIGHWAY	39,180	7.87	9.89	2.23	4.19	0.00	4.89	0.00	175				
7780	32CY 55T OFF-HIGHWAY	83,081	16.35	20.60	4.78	9.09	0.00	10.60	0.00	365				
7785	43CY 70T OFF-HIGHWAY	92,785	18.77	23.56	5.24	9.77	0.00	11.36	0.00	445				
END DUMP														
7795	20CY 24T	30,828	6.04	7.62	1.79	3.43	0.00	4.01	0.00	146				
LOWBOY, RIGID NECK, DROP DECK														
7805	25 TON 2 AXLE	19,293	3.44		1.11	1.87	0.00			89				
7810	30 TON 2 AXLE	21,980	3.88		1.27	2.13	0.00			94				
7815	35 TON 2 AXLE	26,655	4.67		1.55	2.61	0.00			109				
7820	35 TON 3 AXLE	27,104	4.85		1.56	2.61	0.00			134				
7825	40 TON 3 AXLE	28,659	5.13		1.64	2.73	0.00			144				
7830	50 TON 3 AXLE	31,256	5.60		1.79	2.98	0.00			161				
7835	60 TON 3 AXLE	34,416	6.51		1.91	3.04	0.00			188				
7840	70 TON 3 AXLE	45,620	8.31		2.58	4.22	0.00			213				
7845	75 TON 3 AXLE	46,542	8.46		2.63	4.32	0.00			228				
7850	80 TON 4 AXLE	54,464	9.52		3.15	5.33	0.00			266				
7855	90 TON 4 AXLE	60,085	10.87		3.41	5.62	0.00			297				
7860	110 TON 4 AXLE	66,303	11.98		3.77	6.21	0.00			313				
7865	120 TON 4 AXLE	75,308	13.39		4.31	7.17	0.00			351				
7870	HELPER DOLLY 60 T TRAILER MAX	15,737	2.91		0.89	1.45	0.00			62				

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

UNIT NO.	EQUIPM. WT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT		
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	FUEL OWNER-SHIP	SEVERE FUEL				
			AVERAGE	SEVERE							
TRUCK TRAILERS (CONT'D)											
PLATFORM TRAILERS											
7880	25 TON 2 AXLE	14,673	2.74		0.82	1.34	0.00		110		
PUP TRAILERS											
7890	8 CY LONG TONGUE	18,308	3.34		1.04	1.72	0.00		86		
7895	10CY LONG TONGUE	18,452	3.37		1.05	1.74	0.00		86		
TILT TRAILERS											
7905	12 TON 2 AXLE	9,484	1.80		0.53	0.87	0.00		62		
7910	16 TON 2 AXLE	9,762	1.84		0.55	0.89	0.00		65		
7915	20 TON 2 AXLE	11,094	2.13		0.62	0.99	0.00		67		
WATER TANKER TRAILERS											
7925	4000 GAL	63 HP D	27,940	7.56	1.54	2.83	2.54		120		
7930	5000 GAL	63 HP D	29,422	7.87	1.60	2.89	2.54		150		
7935	6000 GAL	63 HP D	30,717	8.06	1.67	3.02	2.54		160		
TRUCKS, OFF-HIGHWAY											
CATERPILLAR											
7945	769-C 35T 22-30 CY	P.S. 450 HP D	265,036	63.00	81.36	14.46	26.30	11.45	29.62	14.79	689
7950	773-B 50T 30-45 CY	P.S. 650 HP D	372,304	89.74	116.24	20.28	36.79	16.54	41.41	21.36	890
7955	777 85T 47-67 CY	P.S. 870 HP D	518,032	121.44	157.10	27.97	50.23	22.13	56.46	28.59	1346
7960	768C PRIME MOVER TRACTOR	P.S. 450 HP D	233,794	58.00	75.25	12.71	23.04	11.45	25.94	14.79	506
7965	772B PRIME MOVER TRACTOR	P.S. 650 HP D	350,532	88.39	115.88	18.92	33.99	16.54	38.22	21.36	705
DJB (ARTICULATED FRAME)											
7975	D275B 27.5T 15-20 CY	P.S. 235 HP D	190,642	43.10	55.93	10.25	18.30	5.98	20.55	7.72	424
7980	D330B 33T 17-23 CY	P.S. 255 HP D	215,172	46.23	58.96	11.74	21.35	6.49	24.04	8.38	444
7985	D350B 35T 20-26 CY	P.S. 255 HP D	224,697	49.31	63.62	12.14	21.82	6.49	24.53	8.38	472

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															
TRUCKS, OFF-HIGHWAY (CONT'D)																			

DJB (CONT'D)																			
(ARTICULATED FRAME)																			
7990	D550	55T 32-43 CY	P.S. 450 HP D	375,491	82.56	106.19	20.34	36.68	11.45	41.25	14.79	834							
EUCLID																			
8000	R25-215FD	25T 14-19 CY	P.S. 214 HP D	164,760	35.73	45.75	8.97	16.28	5.44	18.33	7.03	404							
8005	R35-302TD	35T 22-30 CY	P.S. 430 HP D	251,229	59.58	76.85	13.72	24.98	10.94	28.14	14.13	623							
8010	R50-301LD	50T 31-41 CY	P.S. 576 HP D	336,852	81.56	106.07	18.29	33.09	14.65	37.24	18.93	836							
8015	R75-301ND	75T 46-69 CY	P.S. 646 HP D	450,330	102.08	132.24	24.29	43.56	16.43	48.95	21.23	1123							
8020	R85-306ND	85T 52-67 CY	P.S. 746 HP D	461,417	108.19	140.61	24.81	44.32	18.98	49.80	24.51	1227							
INTERNATIONAL																			
8030	350B	50T 31-42 CY	P.S. 580 HP D	349,255	83.34	108.33	19.09	34.81	14.76	39.21	19.06	740							
TEREX																			
8040	33-03B	22T 15-18 CY	P.S. 215 HP D	143,383	34.79	45.83	7.72	13.82	5.47	15.53	7.06	400							
8045	33-05B	30T 19-23 CY	P.S. 321 HP D	207,032	48.61	63.00	11.27	20.44	8.17	23.00	10.55	525							
8050	33-07	40T 25-32 CY	P.S. 493 HP D	262,455	66.46	87.15	14.17	25.44	12.54	28.59	16.20	756							
8055	33-09	55T 34-44 CY	P.S. 624 HP D	354,656	88.17	115.54	19.16	34.43	15.87	38.70	20.50	992							
8060	33-11C	85T 51-65 CY	P.S. 840 HP D	485,962	115.30	149.52	26.17	46.88	21.37	52.69	27.60	1227							
WABCO																			
8070	HAULPAK35D	35T 23-29 CY	P.S. 420 HP D	265,693	62.09	80.17	14.50	26.37	10.68	29.69	13.80	571							
8075	HAULPAK50B	50T 31-40 CY	P.S. 576 HP D	370,202	86.90	112.60	20.15	36.57	14.65	41.17	18.93	792							
8080	HAULPAK60	60T 34-48 CY	P.S. 576 HP D	406,640	94.86	123.62	22.06	39.84	14.65	44.82	18.93	850							
8085	75B	75T 44-57 CY	P.S. 665 HP D	449,647	105.39	137.08	24.42	44.17	16.92	49.70	21.85	915							
8090	85D	85T 47-67 CY	P.S. 818 HP D	522,447	120.39	155.69	28.21	50.68	20.81	56.97	26.88	1193							

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					
TRUCKS, WATER														
TRACTOR DRAWN - KLEIN														
8100	KT-50 5000 GAL. CAT 613B P.S. 150 HP D	118,989	27.01	33.32	6.57	10.54	6.04	11.65	7.95	320				
8105	KT-60 6000 GAL. CAT 621B P.S. 330 HP D	213,964	51.97	64.42	11.77	18.79	13.29	20.77	17.49	564				
8110	KT-80 8000 GAL. CAT 631D P.S. 450 HP D	295,407	71.79	89.00	16.23	25.81	18.13	28.49	23.85	740				
8115	KT-100 10000 GAL. CAT 631D P.S. 450 HP D	302,654	72.88	90.28	16.64	26.49	18.13	29.25	23.85	798				
8120	KT-100 10000 GAL. CAT 641B P.S. 550 HP D	353,297	86.59	107.43	19.38	30.79	22.15	33.99	29.15	931				
8125	KT-120 12000 GAL. CAT 651B P.S. 550 HP D	358,818	87.42	108.41	19.69	31.31	22.15	34.57	29.15	1097				
TRACTOR DRAWN - SOUTHWEST														
8135	STT-60 6000 GAL. CAT 621B P.S. 330 HP D	218,804	52.71	65.28	12.05	19.26	13.29	21.28	17.49	594				
8140	STT-80 8000 GAL. CAT 631D P.S. 450 HP D	300,682	72.58	89.94	16.52	26.30	18.13	29.05	23.85	800				
8145	STT-100 10000 GAL. CAT 631D P.S. 450 HP D	305,017	73.23	90.70	16.77	26.71	18.13	29.50	23.85	840				
8150	STT-120 12000 GAL. CAT 651B P.S. 550 HP D	365,232	88.39	109.55	20.06	31.92	22.15	35.24	29.15	1054				
8155	STT-140 14000 GAL. CAT 660B P.S. 550 HP D	368,642	88.90	110.16	20.26	32.24	22.15	35.60	29.15	1089				
WAGONS, BOTTOM DUMP														
CATERPILLAR-ATHNEY														
8165	621B/PW621B 33T 22-26CY P.S. 330 HP D	215,030	56.68	74.02	11.57	21.66	13.29	24.48	17.49	579				
8170	768B/PW768C 63T 42-48CY P.S. 450 HP D	327,457	84.17	109.80	17.51	32.54	18.13	36.76	23.85	935				
8175	772B/PW772B 100T 60-67CY P.S. 650 HP D	507,435	132.74	176.50	26.92	49.52	26.18	55.86	34.45	1304				
EUCLID														
8185	B30-303TDT301W 30T 21-27CY P.S. 277 HP D	207,543	52.45	68.34	11.17	20.91	11.16	23.64	14.68	483				
8190	B70-203LDT147W 70T 47-62CY P.S. 423 HP D	365,127	84.56	107.85	19.85	37.59	17.04	42.55	22.42	934				

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															
WAGONS, REAR DUMP *****																			
CATERPILLAR-ATHEY																			
8200	621B/PR621B 30T 20-24CY P.S. 330 HP D	226,369	58.65	76.48	12.19	22.82	13.29	25.80	17.49	590									
8205	631D/PR631D 40T 27-32CY P.S. 450 HP D	321,809	81.44	105.63	17.42	32.79	18.13	37.09	23.85	833									
WATER BLASTER *****																			
AMERICAN AERO																			
8215	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	30,039	18.12		2.24	5.11	5.40			42									
8220	WBDI50 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	45,460	29.14		3.39	7.76	9.50			70									
WATER TANKS *****																			
SKID MOUNTED																			
8230	WST-8 8000 GAL. SOUTHWEST	13,592	2.06		0.76	1.42	0.00			107									
8235	WST-10 10000 GAL. SOUTHWEST	15,843	2.40		0.89	1.66	0.00			122									
8240	WST-12 12000 GAL. SOUTHWEST	18,434	2.78		1.03	1.92	0.00			142									
PORTABLE (WITH WHEELS)																			
8250	EWT-8 8000 GAL. SOUTHWEST 8 HP G	24,873	4.66		1.37	2.52	0.66			130									
8255	EWT-10 10000 GAL. SOUTHWEST 8 HP G	28,059	5.14		1.55	2.85	0.66			170									
8260	EWT-12 12000 GAL. SOUTHWEST 8 HP G	31,132	5.60		1.72	3.17	0.66			185									
WELDERS *****																			
ELECTRIC DRIVE - AC 3 PHASE 60 HZ																			
8270	250 AMP SKID MTD 20 HP E	1,876	1.43		0.12	0.24	0.84			7									
8275	600 AMP SKID MTD 25 HP E	2,378	1.79		0.15	0.30	1.05			9									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	FUEL	SEVERE OWNER-SHIP	FUEL				
WELDERS (CONT'D)												

GASOLINE ENGINE DRIVE												
8285	200 AMP W/1 AXLE TRLR	14 HP G	2,426	2.44	0.17	0.35	1.42		11			
8290	250 AMP W/1 AXLE TRLR	65 HP G	4,665	9.48	0.34	0.71	6.58		17			
8295	300 AMP W/1 AXLE TRLR	65 HP G	4,777	9.51	0.35	0.73	6.58		17			
8300	400 AMP W/1 AXLE TRLR	69 HP G	5,585	10.25	0.40	0.85	6.99		21			
8305	650 AMP W/2 AXLE TRLR	85 HP G	7,073	12.68	0.51	1.07	8.61		22			
DIESEL ENGINE DRIVE												
8315	250 AMP W/1 AXLE TRLR	38 HP D	6,132	4.08	0.45	0.94	1.89		21			
8320	300 AMP W/1 AXLE TRLR	38 HP D	6,187	4.09	0.45	0.95	1.89		21			
8325	350 AMP W/2 AXLE TRLR	63 HP D	7,835	6.10	0.56	1.18	3.14		25			
8330	400 AMP W/2 AXLE TRLR	64 HP D	7,624	6.11	0.54	1.15	3.19		30			
MIG												
8340	250AMP W/WIRE FEED AND SHOP GEAR	10 HP E	2,595	1.02	0.17	0.33	0.42		5			
8345	300AMP W/WIRE FEED AND SHOP GEAR	20 HP E	2,743	1.59	0.18	0.35	0.84		5			
RECTIFIER												
8355	250 AMP W/SHOP RUNNING GEAR	19 HP E	1,634	1.34	0.11	0.21	0.80		4			
8360	300 AMP W/SHOP RUNNING GEAR	24 HP E	1,761	1.64	0.12	0.23	1.01		6			
8365	500 AMP W/SHOP RUNNING GEAR	30 HP E	2,241	2.05	0.15	0.29	1.26		7			
8370	750 AMP W/SHOP RUNNING GEAR	42 HP E	3,701	2.96	0.24	0.47	1.76		10			
TRANSFORMER-RECTIFIER												
8380	250 AMP W/SHOP RUNNING GEAR	19 HP E	866	1.20	0.06	0.11	0.80		4			
8385	300 AMP W/SHOP RUNNING GEAR	24 HP E	1,436	1.57	0.09	0.18	1.01		6			

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

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

Examples: Assume that a two-year old 50-ton truck crane listed in TABLE 3-1 has a total hourly rate of \$45.00 per hour and an ownership rate of \$25.00 per hour.

A. If an equivalent crane owned by a contractor had been purchased new in 1978, the total hourly rate can be determined as follows:

Total Hourly Rate	= \$45.00/Hr.
Ownership Rate	(-) \$25.00/Hr.
Ownership adjusted for Age:	
(Ownership Rate) x (Age Adj. Factor)	
= (\$25.00) x (.75)	= (+) \$18.75/Hr.
Adjusted Total Hourly Rate	= \$38.75/Hr.

B. If an equivalent crane owned by a Contractor had been purchased new in 1969, the total hourly rate can be determined as follows:

Total Hourly Rate	= \$45.00/Hr.
Ownership Rate	(-) \$25.00/Hr.
Ownership adjusted for Age:	
(Ownership Rate) x (Oldest Age Adj. Factor)	
= (\$25.00) x (.36)	= (+) \$9.00/Hr.
Adjusted Total Hourly Rate	= \$29.00/Hr.

C. If an equivalent crane, manufactured in 1969, had been purchased used in 1977 by the Contractor, the crane is over-age and the rate computation would be identical to Example B.

D. If an equivalent crane, manufactured in 1978, had been purchased used in 1981 by the Contractor, the used crane is not over-age and the rate computation would be identical to Example A.

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971
15	AGGREGATE SPREADERS	1.14	1.08	1.00	0.92	0.84	0.76	0.70						
30	AIR COMPRESSORS	1.16	1.08	1.00	1.05	0.97	0.84	0.80						
45	AIR TOOLS, SANDBLASTERS, ETC	1.16	1.09	1.00										
60	ASPHALT DISTRIBUTORS	1.15	1.09	1.00	0.92	0.83	0.74	0.68						
65	ASPHALT AND CONCRETE PAVERS	1.14	1.08	1.00	0.92	0.83	0.75	0.69						
70	ASPHALT KETTLES AND RECYCLERS	1.14	1.09	1.00	0.88	0.76	0.67							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.14	1.09	1.00	0.88	0.76	0.68	0.60						
80	BRUSH CHIPPERS	1.13	1.08	1.00	0.89	0.77	0.69	0.62						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.13	1.06	1.00	0.89	0.73	0.64	0.58						
95	BUCKETS, CONCRETE	1.13	1.06	1.00	0.89	0.73	0.64	0.58						
105	CONCRETE OR GROUT PUMP	1.14	1.08	1.00	0.89	0.77	0.68							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.13	1.08	1.00	0.89	0.77	0.69	0.62						
125	CONCRETE FINISHERS & BUGGIES	1.13	1.08	1.00	0.89	0.77	0.69	0.62						
135	CONCRETE VIBRATORS	1.16	1.09	1.00										
140	COMPACTORS, MANUALLY OPERATED													
	CRANE, CRAWLER TYPE													
150	O THRU 25 TON	1.14	1.08	1.00	0.91	0.81	0.73	0.67	0.62	0.56				
165	OVER 25 TON THRU 50 TON	1.14	1.08	1.00	0.92	0.81	0.74	0.67	0.63	0.56	0.44	0.36		
170	OVER 50 TON THRU 150 TON	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.64	0.57	0.46	0.38	0.36	
180	OVER 150 TON	1.13	1.08	1.00	0.92	0.82	0.75	0.69	0.64	0.58	0.47	0.39	0.37	0.35
	DRAGLINE & CLAMSHELL, CRAWLER													
185	O THRU 1 CY	1.14	1.08	1.00	0.92	0.81	0.74	0.68	0.63	0.56				
190	OVER 1 CY THRU 2-1/2 CY	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.64	0.57	0.46	0.38		
195	OVER 2-1/2 CY THRU 5 CY	1.13	1.08	1.00	0.92	0.82	0.75	0.69	0.64	0.58	0.47	0.39	0.37	0.36
196	OVER 5 CY	1.13	1.08	1.00	0.92	0.82	0.75	0.69	0.64	0.58	0.47	0.39	0.37	0.35
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.63	0.57	0.45	0.37		
	CRANES & HYD. EXC., TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.14	1.08	1.00	0.91	0.81	0.73	0.67	0.63	0.56	0.44	0.36		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.13	1.08	1.00	0.92	0.82	0.75	0.69	0.64	0.58	0.47	0.39	0.37	0.36
230	66 THRU 125 T	1.13	1.07	1.00	0.92	0.82	0.75	0.69	0.65	0.59	0.47	0.40	0.38	0.36
240	OVER 125 T	1.13	1.07	1.00	0.92	0.83	0.75	0.69	0.65	0.59	0.48	0.40	0.39	0.37
255	DRILL, AUGER	1.15	1.10	1.00	0.85	0.73	0.67	0.60						
270	DRILL, BLAST HOLE	1.15	1.10	1.00	0.85	0.73	0.67	0.60						
300	DRILL, CORE	1.15	1.10	1.00	0.85	0.73	0.67	0.60						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.14	1.09	1.00	0.86	0.74	0.69	0.62	0.59	0.56	0.48	0.43		
330	DRILL, ROTARY OVER 11" DIA.	1.14	1.09	1.00	0.86	0.75	0.70	0.63	0.61	0.57	0.50	0.45	0.42	0.41
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.14	1.09	1.00	0.86	0.75	0.70	0.63	0.61	0.57	0.50	0.45	0.42	0.41
375	FORK LIFTS	1.13	1.08	1.00	0.89	0.77	0.69	0.62						
390	GRADERS	1.18	1.11	1.00	0.90	0.78	0.71	0.62	0.57	0.51				
420	GENERATORS	1.20	1.12	1.00	0.86	0.69	0.65	0.58						
435	HOIST	1.13	1.08	1.00	0.89	0.77	0.69	0.62						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
440	LIGHT PLANTS	1.14	1.09	1.00	0.88	0.75	0.66	0.59						
450	LOADER, BELT	1.15	1.09	1.00	0.87	0.74	0.65	0.57						
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.20	1.11	1.00	0.90	0.79	0.69	0.61						
	LOADER, WHEEL TYPE													
465	O THRU 225 HP	1.20	1.12	1.00	0.82	0.71	0.63	0.55						
470	OVER 225 HP	1.19	1.12	1.00	0.83	0.72	0.65	0.58	0.53	0.49				
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.20	1.13	1.00	0.82	0.70	0.61	0.53						
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.16	1.10	1.00	0.86	0.72								

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW									
		1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
485	PIPELAYERS	1.20	1.11	1.00	0.90	0.78	0.69	0.60	0.53	0.48	
	PUMP, GROUT (SEE KEY NO. 105)										
495	PUMP, WATER, ENGINE DRIVE	1.13	1.08	1.00	0.89	0.77	0.69	0.62			
500	PUMP, WATER, ELECTRIC DRIVE	1.13	1.08	1.00	0.89	0.77	0.69	0.62			
510	RIPPERS	1.19	1.11	1.00	0.90	0.79	0.70				
525	ROLLERS, EXCEPT VIB. ROLLERS	1.12	1.08	1.00	0.89	0.80	0.70	0.61			
530	ROLLERS, VIBRATORY	1.13	1.09	1.00	0.89	0.79	0.70				
540	SCRAPERS, STANDARD	1.17	1.10	1.00	0.90	0.79	0.72	0.64			
542	SCRAPERS, TANDEM POWERED	1.17	1.10	1.00	0.90	0.79	0.72	0.64			
	SCRAPERS, ELEVATING										
545	0 THRU 200 HP	1.18	1.11	1.00	0.90	0.78	0.71	0.63			
550	OVER 200 HP	1.18	1.11	1.00	0.90	0.78	0.71	0.63			
555	SCRAPERS, TRACTOR DRAWN	1.17	1.10	1.00	0.90	0.80	0.73	0.65	0.60	0.54	
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED										
570	0 THRU 1 CY	1.14	1.08	1.00	0.91	0.81	0.73	0.67	0.62		
585	OVER 1 CY THRU 2-1/2 CY	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.63	0.57	
595	OVER 2-1/2 CY THRU 5 CY	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.64	0.58	0.46 0.38
600	OVER 5 CY	1.13	1.08	1.00	0.92	0.82	0.75	0.69	0.64	0.58	0.47 0.39 0.37
601	OVER 2-1/2 CY ELECTRIC	1.13	1.07	1.00	0.92	0.83	0.75	0.70	0.65	0.59	0.48 0.40 0.39 0.37
	TRACTOR, CRAWLER TYPE										
615	0 THRU 225 HP	1.20	1.12	1.00	0.89	0.78	0.68	0.59			
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.19	1.11	1.00	0.90	0.79	0.70	0.62	0.55	0.50	
625	OVER 425 HP	1.18	1.10	1.00	0.90	0.80	0.71	0.63	0.57	0.52	0.41
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.19	1.11	1.00	0.90	0.79	0.70	0.62			
645	TRACTOR, WHEEL TYPE	1.15	1.10	1.00	0.88	0.75	0.66	0.58			
650	TRENCHER	1.30	1.16	1.00	0.84	0.72	0.65	0.56			
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.14	1.08	1.00	0.89	0.77	0.68	0.61			
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.15	1.10	1.00	0.87	0.74	0.64	0.56			
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING										
670	DUMP BODIES	1.14	1.08	1.00	0.89	0.77	0.68				
675	ALL OTHER ACCESSORIES	1.14	1.08	1.00	0.89	0.77	0.68				
	TRUCK, HIGHWAY										
690	0 THRU 10,000 GVW	1.17	1.08	1.00	0.85	0.75	0.67				
695	OVER 10,000 THRU 30,000 GVW	1.17	1.08	1.00	0.85	0.75	0.67				
705	OVER 30,000 GVW	1.17	1.08	1.00	0.85	0.75	0.67				
720	TRUCK, OFF-HIGHWAY	1.14	1.10	1.00	0.87	0.74	0.66	0.61	0.57	0.53	
765	WAGON, BOTTOM & REAR DUMP	1.14	1.10	1.00	0.87	0.75	0.67	0.62	0.58	0.54	
780	WAGON, WATER	1.16	1.11	1.00	0.85	0.71	0.63	0.56	0.52	0.48	
785	WATER BLASTER	1.14	1.09	1.00	0.88	0.76					
795	WATER TANKS	1.13	1.08	1.00	0.89	0.77	0.69	0.62	0.57	0.53	
810	WELDERS	1.15	1.10	1.00	0.87	0.74					
811	WELDERS ELECTRIC POWER	1.15	1.09	1.00	0.88	0.75	0.65				



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

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

Example: Assume that a two-year old 50-ton truck crane listed in TABLE 3-1 has an hourly standby rate of \$16.00 per hour. If an equivalent crane owned by a Contractor had been purchased new in 1978, the hourly standby rate can be determined as follows:

Hourly Standby Rate = \$16.00/Hr.

Standby Adjusted for Age
(Standby Rate) x (Age Adj. Factor)
= (\$16.00) x (.78) = \$12.48/Hr.

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971
15	AGGREGATE SPREADERS	1.12	1.07	1.00	0.93	0.86	0.79	0.74						
30	AIR COMPRESSORS	1.13	1.07	1.00	1.04	0.97	0.87	0.83						
45	AIR TOOLS, SANDBLASTERS, ETC	1.15	1.08	1.00										
60	ASPHALT DISTRIBUTORS	1.12	1.07	1.00	0.93	0.86	0.79	0.74						
65	ASPHALT AND CONCRETE PAVERS	1.12	1.07	1.00	0.93	0.86	0.79	0.74						
70	ASPHALT KETTLES AND RECYCLERS	1.12	1.08	1.00	0.90	0.79	0.72							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.12	1.07	1.00	0.90	0.80	0.73	0.67						
80	BRUSH CHIPPERS	1.12	1.07	1.00	0.90	0.80	0.73	0.67						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.11	1.05	1.00	0.90	0.76	0.69	0.64						
95	BUCKETS, CONCRETE	1.11	1.05	1.00	0.90	0.76	0.69	0.64						
105	CONCRETE OR GROUT PUMP	1.12	1.07	1.00	0.90	0.79	0.72							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.12	1.07	1.00	0.90	0.80	0.73	0.67						
125	CONCRETE FINISHERS & BUGGIES	1.12	1.07	1.00	0.90	0.80	0.73	0.67						
135	CONCRETE VIBRATORS	1.15	1.08	1.00										
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.14	1.08	1.00	1.05	0.97								
150	0 THRU 25 TON	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68	0.63				
165	OVER 25 TON THRU 50 TON	1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.69	0.63	0.53	0.46		
170	OVER 50 TON THRU 150 TON	1.11	1.06	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.48	0.46	0.45
180	OVER 150 TON DRAGLINE & CLAMSHELL,CRAWLER	1.11	1.06	1.00	0.93	0.85	0.79	0.74	0.70	0.65	0.55	0.48	0.47	0.45
185	0 THRU 1 CY	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68	0.62				
190	OVER 1 CY THRU 2-1/2 CY	1.12	1.07	1.00	0.93	0.84	0.78	0.72	0.68	0.63	0.53	0.46		
195	OVER 2-1/2 CY THRU 5 CY	1.11	1.07	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.47	0.45	0.44
196	OVER 5 CY	1.11	1.06	1.00	0.93	0.85	0.79	0.74	0.70	0.65	0.55	0.48	0.47	0.45
200	CRANES, HYDRAULIC, SELF- PROPELLED CRANES & HYD. EXC. , TRK MTD	1.11	1.07	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.47		
210	UNDER 26 T. (THRU 1 CY)	1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.69	0.63	0.53	0.47		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.11	1.07	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.47	0.45	0.44
230	65 THRU 125 T	1.11	1.06	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.47	0.46	0.45
240	OVER 125 T	1.11	1.06	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.48	0.46	0.45
255	DRILL, AUGER	1.13	1.09	1.00	0.87	0.77	0.71	0.65						
270	DRILL, BLAST HOLE	1.13	1.09	1.00	0.87	0.77	0.71	0.65						
300	DRILL, CORE	1.13	1.09	1.00	0.87	0.77	0.71	0.65						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.12	1.08	1.00	0.88	0.78	0.73	0.67	0.65	0.62	0.55	0.50		
330	DRILL, ROTARY OVER 11" DIA.	1.12	1.08	1.00	0.88	0.78	0.73	0.68	0.66	0.63	0.56	0.52	0.49	0.49
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.12	1.08	1.00	0.88	0.78	0.73	0.68	0.66	0.63	0.56	0.52	0.49	0.49
375	FORK LIFTS	1.12	1.07	1.00	0.90	0.80	0.73	0.67						
390	GRADERS	1.14	1.09	1.00	0.92	0.83	0.77	0.70	0.66	0.61				
420	GENERATORS	1.16	1.09	1.00	0.89	0.76	0.73	0.67						
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.12	1.07	1.00	0.90	0.80	0.73	0.67						
440	LIGHT PLANTS	1.12	1.07	1.00	0.90	0.80	0.73	0.67						
450	LOADER, BELT	1.12	1.07	1.00	0.90	0.80	0.73	0.67						
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE,CRAWLER TYPE LOADER, WHEEL TYPE	1.16	1.09	1.00	0.91	0.82	0.74	0.67						
465	0 THRU 225 HP	1.16	1.10	1.00	0.85	0.76	0.69	0.63						
470	OVER 225 HP	1.16	1.10	1.00	0.86	0.76	0.70	0.64	0.59	0.56				
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.16	1.10	1.00	0.85	0.76	0.69	0.63						
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.13	1.08	1.00	0.89	0.78								

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971
485 PIPELAYERS		1.16	1.09	1.00	0.92	0.83	0.75	0.68	0.63	0.59				
PUMP, GROUT (SEE KEY NO. 105)														
495 PUMP, WATER, ENGINE DRIVE		1.12	1.07	1.00	0.90	0.80	0.73	0.67						
500 PUMP, WATER, ELECTRIC DRIVE		1.12	1.07	1.00	0.90	0.80	0.73	0.67						
510 RIPPER		1.17	1.10	1.00	0.91	0.82	0.73							
525 ROLLERS, EXCEPT VIB. ROLLERS		1.10	1.07	1.00	0.91	0.83	0.75	0.67						
530 ROLLERS, VIBRATORY		1.11	1.07	1.00	0.91	0.82	0.74							
540 SCRAPERS, STANDARD		1.15	1.09	1.00	0.91	0.82	0.76	0.69						
542 SCRAPERS, TANDEM POWERED		1.15	1.09	1.00	0.91	0.82	0.76	0.69						
SCRAPERS, ELEVATING														
545 0 THRU 200 HP		1.15	1.09	1.00	0.91	0.82	0.76	0.69						
550 OVER 200 HP		1.15	1.09	1.00	0.91	0.82	0.76	0.69						
555 SCRAPERS, TRACTOR DRAWN		1.15	1.09	1.00	0.92	0.82	0.77	0.70	0.65	0.61				
SHOVELS, BACKHOES, & HYDRAULIC														
EXCAVATORS CRAWLER MOUNTED														
570 0 THRU 1 CY		1.12	1.07	1.00	0.93	0.84	0.77	0.71	0.67					
585 OVER 1 CY THRU 2-1/2 CY		1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68	0.62				
595 OVER 2-1/2 CY THRU 5 CY		1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.68	0.63	0.53	0.46		
600 OVER 5 CY		1.11	1.07	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.47	0.45	0.44
601 OVER 2-1/2 CY ELECTRIC		1.11	1.06	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.48	0.46	0.45
TRACTOR, CRAWLER TYPE														
615 0 THRU 225 HP		1.16	1.09	1.00	0.91	0.82	0.74	0.67						
620 226 HP THRU 425 HP (PER		1.16	1.09	1.00	0.92	0.83	0.75	0.68	0.62	0.58				
UNIT FOR TANDEM TRACTORS)														
625 OVER 425 HP		1.16	1.09	1.00	0.92	0.83	0.75	0.68	0.63	0.59	0.49			
630 TRACTOR, BLADES, PUSH BLOCKS,		1.16	1.09	1.00	0.91	0.82	0.74	0.67						
PUSH PLATES & CLEARING BLADES														
645 TRACTOR, WHEEL TYPE		1.12	1.09	1.00	0.90	0.79	0.71	0.65						
650 TRENCHER		1.25	1.13	1.00	0.87	0.77	0.71	0.64						
655 TRAILERS, BOTTOM DUMP AND		1.12	1.07	1.00	0.90	0.80	0.73	0.67						
END DUMP														
660 TRAILERS, FLATBED, LO-BOY		1.12	1.07	1.00	0.90	0.80	0.73	0.67						
AND TILT														
TRUCK ACCESSORIES FOR														
CHASSIS MOUNTING														
670 DUMP BODIES		1.12	1.07	1.00	0.90	0.79	0.72							
675 ALL OTHER ACCESSORIES		1.12	1.07	1.00	0.90	0.79	0.72							
TRUCK, HIGHWAY														
690 0 THRU 10,000 GVW		1.14	1.07	1.00	0.88	0.79	0.72							
695 OVER 10,000 THRU 30,000 GVW		1.14	1.07	1.00	0.88	0.79	0.72							
705 OVER 30,000 GVW		1.14	1.07	1.00	0.88	0.79	0.72							
720 TRUCK, OFF-HIGHWAY		1.12	1.09	1.00	0.88	0.77	0.71	0.66	0.63	0.59				
765 WAGON, BOTTOM & REAR DUMP		1.12	1.09	1.00	0.88	0.77	0.71	0.66	0.63	0.59				
780 WAGON, WATER		1.12	1.09	1.00	0.89	0.78	0.71	0.67	0.63	0.60				
785 WATER BLASTER		1.12	1.08	1.00	0.90	0.79								
795 WATER TANKS		1.11	1.07	1.00	0.90	0.80	0.73	0.67	0.63	0.59				
810 WELDERS		1.13	1.08	1.00	0.89	0.78								
811 WELDERS ELECTRIC POWER		1.12	1.08	1.00	0.90	0.79	0.72							



TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

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

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

Total Hourly Rate (adjusted for age)	= \$38.75/Hr.
Ownership Rate (adjusted for age)	(-) \$18.75/Hr.
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adj. Factor)	
= (\$18.75) x (.84)	= (+) \$15.75/Hr.
Adjusted Total Hourly Rate	= <u>\$35.75/Hr.</u>

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

Service Life From APP. D	Equipment Usage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.98	0.97	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86
6,000	1.00	0.97	0.96	0.93	0.91	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82
8,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.85	0.83	0.82	0.80	0.79	0.78
9,000	1.00	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.82	0.80	0.79	0.78	0.76
10,000	1.00	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.80	0.79	0.78	0.76	0.75
11,000	1.00	0.96	0.94	0.90	0.88	0.85	0.83	0.81	0.79	0.78	0.76	0.75	0.73
12,000	1.00	0.96	0.93	0.90	0.87	0.85	0.83	0.80	0.78	0.76	0.75	0.74	0.72
13,000	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
14,000	1.00	0.95	0.93	0.89	0.86	0.83	0.81	0.79	0.76	0.74	0.73	0.72	0.70
15,000	1.00	0.95	0.93	0.89	0.85	0.83	0.80	0.78	0.75	0.73	0.72	0.70	0.68
16,000	1.00	0.95	0.92	0.88	0.85	0.82	0.80	0.77	0.75	0.73	0.71	0.69	0.67
18,000	1.00	0.95	0.92	0.87	0.84	0.81	0.78	0.76	0.73	0.71	0.69	0.68	0.65
20,000	1.00	0.94	0.91	0.87	0.83	0.80	0.77	0.74	0.72	0.69	0.67	0.66	0.63
22,000	1.00	0.94	0.91	0.86	0.82	0.79	0.76	0.73	0.70	0.68	0.66	0.64	0.62
50,000	1.00	0.92	0.88	0.81	0.76	0.72	0.68	0.64	0.60	0.57	0.54	0.52	0.49

TABLE 3-5. HOURLY RATE ELEMENT

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	
1010	3.53	1.88	11.92	2.86	0.22	0.03	3.55	23.99							
1015	3.95	2.10	4.55	1.09	0.22	0.03	3.98	15.92							
1030	0.63	0.38	3.55	1.14	0.02	0.00	0.70	6.42							
1035	0.75	0.44	1.53	0.43	0.02	0.00	0.83	4.00							
1040	0.79	0.47	4.12	1.32	0.02	0.00	0.87	7.59							
1045	0.96	0.56	1.77	0.50	0.02	0.00	1.05	4.86							
1050	0.98	0.57	5.77	1.85	0.02	0.00	1.07	10.26							
1055	1.04	0.61	2.05	0.58	0.02	0.00	1.14	5.44							
1060	1.07	0.63	5.77	1.85	0.02	0.00	1.17	10.51							
1065	1.21	0.71	2.78	0.78	0.02	0.00	1.33	6.83							
1070	1.10	0.65	5.77	1.85	0.02	0.00	1.21	10.60							
1075	1.30	0.76	2.78	0.78	0.02	0.00	1.43	7.07							
1080	1.94	1.14	3.79	1.06	0.03	0.00	2.13	10.09							
1085	2.35	1.41	4.15	1.16	0.13	0.02	2.60	11.82							
1090	3.07	1.83	6.12	1.71	0.13	0.02	3.38	16.26							
1095	4.16	2.47	7.05	1.97	0.15	0.02	4.58	20.40							
1100	4.83	2.86	9.18	2.57	0.15	0.02	5.32	24.93							
1105	5.51	3.25	10.07	2.82	0.15	0.02	6.06	27.88							
1110	6.05	3.56	10.88	3.05	0.15	0.02	6.65	30.36							
1115	6.76	3.98	11.40	3.19	0.15	0.02	7.43	32.93							
1120	8.11	4.77	13.09	3.67	0.15	0.02	8.91	38.72							
1125	9.16	5.39	18.37	5.14	0.18	0.03	10.07	48.34							
1140	0.25	0.06	0.00	0.06	0.00	0.00	0.54	0.91							
1145	0.47	0.11	0.00	0.06	0.00	0.00	1.02	1.66							
1150	0.47	0.11	0.00	0.06	0.00	0.00	1.02	1.66							
1155	0.52	0.12	0.00	0.12	0.00	0.00	1.14	1.90							
1160	0.70	0.16	0.00	0.12	0.00	0.00	1.51	2.49							
1165	1.95	0.48	0.00	0.25	0.05	0.01	4.28	7.02							
1170	2.27	0.57	0.00	0.35	0.13	0.02	5.03	8.37							
1175	2.87	0.71	0.00	0.45	0.13	0.02	6.32	10.50							
1185	0.18	0.04	0.00	0.06	0.00	0.00	0.39	0.67							
1190	0.39	0.09	0.00	0.10	0.00	0.00	0.85	1.43							
1195	0.18	0.04	0.00	0.06	0.00	0.00	0.40	0.68							
1200	0.20	0.05	0.00	0.06	0.00	0.00	0.43	0.74							
1205	0.21	0.05	0.00	0.06	0.00	0.00	0.46	0.78							
1210	0.72	0.17	0.00	0.12	0.00	0.00	1.56	2.57							
1220	0.35	0.08	0.00	0.14	0.00	0.00	1.26	1.83							
1225	0.22	0.05	0.00	0.12	0.00	0.00	0.81	1.20							
1230	0.20	0.05	0.00	0.09	0.00	0.00	0.73	1.07							
1235	0.18	0.04	0.00	0.07	0.00	0.00	0.65	0.94							
1240	0.14	0.03	0.00	0.06	0.00	0.00	0.51	0.74							
1250	1.56	1.01	4.12	1.32	0.00	0.00	2.21	10.22							
1255	1.61	1.05	4.12	1.32	0.00	0.00	2.29	10.39							
1260	1.73	1.12	4.12	1.32	0.00	0.00	2.46	10.75							
1265	1.99	1.29	4.12	1.32	0.00	0.00	2.83	11.55							
1275	5.64	3.35	2.82	0.79	0.33	0.05	7.88	20.86							
1280	8.01	4.86	3.83	1.07	0.93	0.14	11.25	30.09							
1285	9.19	5.57	5.24	1.47	1.06	0.16	12.92	35.61							
1290	11.60	6.71	5.24	1.47	0.00	0.00	16.08	41.10							
1300	2.80	1.71	1.21	0.34	0.36	0.05	3.94	10.41							
1305	4.16	2.50	1.77	0.50	0.36	0.05	5.83	15.17							
1310	5.65	3.39	2.34	0.65	0.48	0.07	7.91	20.49							
1315	6.65	4.07	3.50	0.98	0.93	0.14	9.38	25.65							
1320	7.71	4.73	4.31	1.21	1.13	0.17	10.88	30.14							
1325	10.67	6.66	5.96	1.67	2.08	0.31	15.12	42.47							

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1330	7.62	4.41	3.05	0.66	0.00	0.00	10.56	26.51								
1335	9.30	5.38	4.31	1.21	0.00	0.00	12.90	33.10								
1345	0.29	0.14	0.00	0.90	0.02	0.00	0.36	1.71								
1350	0.34	0.16	0.01	1.00	0.02	0.00	0.42	1.94								
1360	0.82	0.39	0.66	1.64	0.02	0.00	1.01	4.54								
1370	0.37	0.22	0.00	0.17	0.02	0.00	0.46	1.24								
1375	0.50	0.30	2.47	0.59	0.02	0.00	0.62	4.50								
1380	0.17	0.10	0.00	0.17	0.00	0.00	0.21	0.65								
1385	0.29	0.17	0.00	0.11	0.00	0.00	0.36	0.93								
1395	0.78	0.41	8.68	2.78	0.02	0.00	1.01	13.68								
1400	0.90	0.47	9.49	3.04	0.02	0.00	1.16	15.08								
1405	0.39	0.20	0.00	0.25	0.00	0.00	0.50	1.34								
1415	0.69	0.36	0.00	0.00	0.00	0.00	0.68	1.73	0.86	0.36	0.00	0.00	0.00	0.00	0.97	2.19
1420	0.80	0.41	0.00	0.00	0.00	0.00	0.79	2.00	1.00	0.42	0.00	0.00	0.00	0.00	1.13	2.55
1425	1.18	0.61	0.00	0.00	0.00	0.00	1.17	2.96	1.48	0.62	0.00	0.00	0.00	0.00	1.67	3.77
1430	1.34	0.69	0.00	0.00	0.00	0.00	1.32	3.35	1.67	0.70	0.00	0.00	0.00	0.00	1.89	4.26
1435	1.74	0.90	0.00	0.00	0.00	0.00	1.72	4.36	2.18	0.92	0.00	0.00	0.00	0.00	2.46	5.56
1440	1.84	0.95	0.00	0.00	0.00	0.00	1.82	4.61	2.31	0.97	0.00	0.00	0.00	0.00	2.61	5.89
1445	1.89	0.97	0.00	0.00	0.00	0.00	1.86	4.72	2.36	0.99	0.00	0.00	0.00	0.00	2.66	6.01
1450	2.08	1.07	0.00	0.00	0.00	0.00	2.05	5.20	2.59	1.10	0.00	0.00	0.00	0.00	2.93	6.62
1455	2.24	1.16	0.00	0.00	0.00	0.00	2.22	5.62	2.80	1.18	0.00	0.00	0.00	0.00	3.17	7.15
1460	2.43	1.25	0.00	0.00	0.00	0.00	2.40	6.08	3.04	1.28	0.00	0.00	0.00	0.00	3.43	7.75
1465	2.62	1.35	0.00	0.00	0.00	0.00	2.59	6.56	3.28	1.38	0.00	0.00	0.00	0.00	3.70	8.36
1470	2.71	1.40	0.00	0.00	0.00	0.00	2.68	6.79	3.39	1.43	0.00	0.00	0.00	0.00	3.83	8.65
1475	2.94	1.52	0.00	0.00	0.00	0.00	2.90	7.36	3.67	1.55	0.00	0.00	0.00	0.00	4.15	9.37
1480	3.02	1.56	0.00	0.00	0.00	0.00	2.99	7.57	3.78	1.59	0.00	0.00	0.00	0.00	4.27	9.64
1485	3.14	1.62	0.00	0.00	0.00	0.00	3.10	7.86	3.92	1.65	0.00	0.00	0.00	0.00	4.43	10.00
1495	0.72	0.37	0.00	0.00	0.00	0.00	0.71	1.80	0.90	0.38	0.00	0.00	0.00	0.00	1.02	2.30
1500	0.98	0.50	0.00	0.00	0.00	0.00	0.96	2.44	1.22	0.51	0.00	0.00	0.00	0.00	1.38	3.11
1505	1.42	0.73	0.00	0.00	0.00	0.00	1.40	3.55	1.77	0.75	0.00	0.00	0.00	0.00	2.00	4.52
1510	1.53	0.79	0.00	0.00	0.00	0.00	1.51	3.83	1.91	0.81	0.00	0.00	0.00	0.00	2.16	4.88
1515	1.94	1.00	0.00	0.00	0.00	0.00	1.92	4.86	2.43	1.02	0.00	0.00	0.00	0.00	2.74	6.19
1520	2.12	1.10	0.00	0.00	0.00	0.00	2.10	5.32	2.66	1.12	0.00	0.00	0.00	0.00	3.00	6.78
1525	2.29	1.18	0.00	0.00	0.00	0.00	2.27	5.74	2.86	1.21	0.00	0.00	0.00	0.00	3.24	7.31
1530	2.46	1.27	0.00	0.00	0.00	0.00	2.43	6.16	3.08	1.30	0.00	0.00	0.00	0.00	3.48	7.86
1535	2.64	1.36	0.00	0.00	0.00	0.00	2.61	6.61	3.30	1.39	0.00	0.00	0.00	0.00	3.73	8.42
1540	2.91	1.50	0.00	0.00	0.00	0.00	2.88	7.29	3.64	1.53	0.00	0.00	0.00	0.00	4.11	9.28
1545	3.07	1.58	0.00	0.00	0.00	0.00	3.03	7.68	3.84	1.62	0.00	0.00	0.00	0.00	4.33	9.79
1550	3.25	1.68	0.00	0.00	0.00	0.00	3.21	8.14	4.06	1.71	0.00	0.00	0.00	0.00	4.59	10.36
1555	3.38	1.75	0.00	0.00	0.00	0.00	3.35	8.48	4.23	1.78	0.00	0.00	0.00	0.00	4.78	10.79
1560	3.52	1.82	0.00	0.00	0.00	0.00	3.48	8.82	4.40	1.86	0.00	0.00	0.00	0.00	4.98	11.24
1565	3.66	1.89	0.00	0.00	0.00	0.00	3.62	9.17	4.58	1.93	0.00	0.00	0.00	0.00	5.17	11.68
1575	1.09	0.56	0.00	0.00	0.00	0.00	1.08	2.73	1.37	0.58	0.00	0.00	0.00	0.00	1.54	3.49
1580	1.11	0.58	0.00	0.00	0.00	0.00	1.10	2.79	1.39	0.59	0.00	0.00	0.00	0.00	1.57	3.55
1585	1.66	0.85	0.00	0.00	0.00	0.00	1.64	4.15	2.07	0.87	0.00	0.00	0.00	0.00	2.34	5.28
1590	2.00	1.03	0.00	0.00	0.00	0.00	1.98	5.01	2.50	1.06	0.00	0.00	0.00	0.00	2.83	6.39
1595	2.23	1.15	0.00	0.00	0.00	0.00	2.21	5.59	2.79	1.18	0.00	0.00	0.00	0.00	3.16	7.13
1600	2.43	1.25	0.00	0.00	0.00	0.00	2.40	6.08	3.03	1.28	0.00	0.00	0.00	0.00	3.43	7.74
1605	2.55	1.32	0.00	0.00	0.00	0.00	2.52	6.39	3.19	1.34	0.00	0.00	0.00	0.00	3.60	8.13
1610	2.70	1.39	0.00	0.00	0.00	0.00	2.67	6.76	3.37	1.42	0.00	0.00	0.00	0.00	3.81	8.60
1615	2.83	1.46	0.00	0.00	0.00	0.00	2.80	7.09	3.53	1.49	0.00	0.00	0.00	0.00	3.99	9.01
1620	3.03	1.56	0.00	0.00	0.00	0.00	3.00	7.59	3.79	1.60	0.00	0.00	0.00	0.00	4.28	9.67
1625	3.21	1.66	0.00	0.00	0.00	0.00	3.17	8.04	4.01	1.69	0.00	0.00	0.00	0.00	4.53	10.23
1630	3.37	1.74	0.00	0.00	0.00	0.00	3.34	8.45	4.22	1.78	0.00	0.00	0.00	0.00	4.77	10.77
1635	3.65	1.89	0.00	0.00	0.00	0.00	3.61	9.15	4.57	1.93	0.00	0.00	0.00	0.00	5.16	11.66

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
1640	3.76	1.94	0.00	0.00	0.00	0.00	3.72	9.42	4.71	1.99	0.00	0.00	0.00	0.00	5.32	12.02
1645	3.93	2.03	0.00	0.00	0.00	0.00	3.89	9.85	4.91	2.07	0.00	0.00	0.00	0.00	5.55	12.53
1655	0.10	0.05	0.00	0.00	0.00	0.00	0.10	0.25								
1660	0.13	0.07	0.00	0.00	0.00	0.00	0.13	0.33								
1665	0.17	0.09	0.00	0.00	0.00	0.00	0.17	0.43								
1670	0.24	0.12	0.00	0.00	0.00	0.00	0.24	0.60								
1675	0.30	0.16	0.00	0.00	0.00	0.00	0.30	0.76								
1685	0.45	0.23	0.00	0.00	0.00	0.00	0.45	1.13								
1690	0.47	0.24	0.00	0.00	0.00	0.00	0.46	1.17								
1695	0.49	0.25	0.00	0.00	0.00	0.00	0.48	1.22								
1700	0.64	0.33	0.00	0.00	0.00	0.00	0.63	1.60								
1705	0.66	0.34	0.00	0.00	0.00	0.00	0.65	1.65								
1710	0.96	0.49	0.00	0.00	0.00	0.00	0.94	2.39								
1715	1.14	0.59	0.00	0.00	0.00	0.00	1.13	2.86								
1725	0.52	0.27	0.00	0.00	0.00	0.00	0.51	1.30								
1730	0.58	0.30	0.00	0.00	0.00	0.00	0.58	1.46								
1735	0.67	0.34	0.00	0.00	0.00	0.00	0.66	1.67								
1740	0.74	0.38	0.00	0.00	0.00	0.00	0.73	1.85								
1745	0.87	0.45	0.00	0.00	0.00	0.00	0.86	2.18								
1760	0.23	0.12	0.00	0.00	0.00	0.00	0.23	0.58	0.29	0.12	0.00	0.00	0.00	0.00	0.33	0.74
1765	0.27	0.14	0.00	0.00	0.00	0.00	0.27	0.68	0.34	0.14	0.00	0.00	0.00	0.00	0.39	0.87
1770	0.33	0.17	0.00	0.00	0.00	0.00	0.33	0.83	0.42	0.18	0.00	0.00	0.00	0.00	0.47	1.07
1775	0.39	0.20	0.00	0.00	0.00	0.00	0.39	0.98	0.49	0.21	0.00	0.00	0.00	0.00	0.56	1.26
1780	0.46	0.24	0.00	0.00	0.00	0.00	0.46	1.16	0.58	0.24	0.00	0.00	0.00	0.00	0.65	1.47
1785	0.57	0.29	0.00	0.00	0.00	0.00	0.56	1.42	0.71	0.30	0.00	0.00	0.00	0.00	0.80	1.81
1790	0.63	0.33	0.00	0.00	0.00	0.00	0.62	1.58	0.79	0.33	0.00	0.00	0.00	0.00	0.89	2.01
1795	0.77	0.40	0.00	0.00	0.00	0.00	0.76	1.93	0.96	0.40	0.00	0.00	0.00	0.00	1.08	2.44
1800	0.81	0.42	0.00	0.00	0.00	0.00	0.81	2.04	1.02	0.43	0.00	0.00	0.00	0.00	1.15	2.60
1805	0.98	0.51	0.00	0.00	0.00	0.00	0.97	2.46	1.23	0.52	0.00	0.00	0.00	0.00	1.39	3.14
1810	1.07	0.55	0.00	0.00	0.00	0.00	1.05	2.67	1.33	0.56	0.00	0.00	0.00	0.00	1.50	3.39
1815	1.16	0.60	0.00	0.00	0.00	0.00	1.15	2.91	1.46	0.61	0.00	0.00	0.00	0.00	1.64	3.71
1820	1.29	0.67	0.00	0.00	0.00	0.00	1.28	3.24	1.61	0.68	0.00	0.00	0.00	0.00	1.82	4.11
1825	1.49	0.77	0.00	0.00	0.00	0.00	1.47	3.73	1.86	0.79	0.00	0.00	0.00	0.00	2.11	4.76
1830	1.62	0.84	0.00	0.00	0.00	0.00	1.60	4.06	2.03	0.85	0.00	0.00	0.00	0.00	2.29	5.17
1835	1.99	1.03	0.00	0.00	0.00	0.00	1.97	4.99	2.49	1.05	0.00	0.00	0.00	0.00	2.81	6.35
1840	2.29	1.18	0.00	0.00	0.00	0.00	2.27	5.74	2.86	1.21	0.00	0.00	0.00	0.00	3.24	7.31
1850	0.27	0.14	0.00	0.00	0.00	0.00	0.27	0.68	0.34	0.14	0.00	0.00	0.00	0.00	0.38	0.86
1855	0.33	0.17	0.00	0.00	0.00	0.00	0.33	0.83	0.41	0.17	0.00	0.00	0.00	0.00	0.47	1.05
1860	0.41	0.21	0.00	0.00	0.00	0.00	0.40	1.02	0.51	0.21	0.00	0.00	0.00	0.00	0.57	1.29
1865	0.48	0.25	0.00	0.00	0.00	0.00	0.48	1.21	0.61	0.26	0.00	0.00	0.00	0.00	0.68	1.55
1870	0.56	0.29	0.00	0.00	0.00	0.00	0.55	1.40	0.70	0.29	0.00	0.00	0.00	0.00	0.79	1.78
1875	0.67	0.34	0.00	0.00	0.00	0.00	0.66	1.67	0.83	0.35	0.00	0.00	0.00	0.00	0.94	2.12
1880	0.74	0.38	0.00	0.00	0.00	0.00	0.73	1.85	0.92	0.39	0.00	0.00	0.00	0.00	1.04	2.35
1885	0.88	0.46	0.00	0.00	0.00	0.00	0.87	2.21	1.11	0.47	0.00	0.00	0.00	0.00	1.25	2.83
1890	0.95	0.49	0.00	0.00	0.00	0.00	0.94	2.38	1.18	0.50	0.00	0.00	0.00	0.00	1.34	3.02
1895	1.21	0.63	0.00	0.00	0.00	0.00	1.20	3.04	1.52	0.64	0.00	0.00	0.00	0.00	1.71	3.87
1900	1.25	0.65	0.00	0.00	0.00	0.00	1.24	3.14	1.57	0.66	0.00	0.00	0.00	0.00	1.77	4.00
1905	1.43	0.74	0.00	0.00	0.00	0.00	1.42	3.59	1.79	0.75	0.00	0.00	0.00	0.00	2.02	4.56
1910	1.58	0.81	0.00	0.00	0.00	0.00	1.56	3.95	1.97	0.83	0.00	0.00	0.00	0.00	2.23	5.03
1915	1.89	0.97	0.00	0.00	0.00	0.00	1.86	4.72	2.36	0.99	0.00	0.00	0.00	0.00	2.66	6.01
1920	2.01	1.04	0.00	0.00	0.00	0.00	1.99	5.04	2.51	1.06	0.00	0.00	0.00	0.00	2.84	6.41
1925	2.56	1.32	0.00	0.00	0.00	0.00	2.53	6.41	3.20	1.35	0.00	0.00	0.00	0.00	3.62	8.17
1930	2.85	1.47	0.00	0.00	0.00	0.00	2.82	7.14	3.56	1.50	0.00	0.00	0.00	0.00	4.03	9.09
1940	1.07	0.55	0.00	0.00	0.00	0.00	1.06	2.68	1.34	0.57	0.00	0.00	0.00	0.00	1.52	3.43
1945	1.12	0.58	0.00	0.00	0.00	0.00	1.10	2.80	1.40	0.59	0.00	0.00	0.00	0.00	1.58	3.57

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
1950	1.25	0.65	0.00	0.00	0.00	0.00	1.24	3.14	1.56	0.66	0.00	0.00	0.00	0.00	1.77	3.99
1955	1.67	0.86	0.00	0.00	0.00	0.00	1.65	4.18	2.09	0.88	0.00	0.00	0.00	0.00	2.36	5.33
1960	1.87	0.96	0.00	0.00	0.00	0.00	1.85	4.68	2.34	0.99	0.00	0.00	0.00	0.00	2.64	5.97
1965	1.93	1.00	0.00	0.00	0.00	0.00	1.91	4.84	2.41	1.02	0.00	0.00	0.00	0.00	2.73	6.16
1970	2.07	1.07	0.00	0.00	0.00	0.00	2.04	5.18	2.58	1.09	0.00	0.00	0.00	0.00	2.92	6.59
1975	2.63	1.36	0.00	0.00	0.00	0.00	2.60	6.59	3.28	1.39	0.00	0.00	0.00	0.00	3.71	8.38
1980	2.70	1.39	0.00	0.00	0.00	0.00	2.67	6.76	3.38	1.42	0.00	0.00	0.00	0.00	3.82	8.62
1985	3.43	1.77	0.00	0.00	0.00	0.00	3.40	8.60	4.29	1.81	0.00	0.00	0.00	0.00	4.85	10.95
1990	3.55	1.83	0.00	0.00	0.00	0.00	3.51	8.89	4.44	1.87	0.00	0.00	0.00	0.00	5.02	11.33
1995	4.23	2.18	0.00	0.00	0.00	0.00	4.18	10.59	5.28	2.23	0.00	0.00	0.00	0.00	5.97	13.48
2000	4.52	2.33	0.00	0.00	0.00	0.00	4.47	11.32	5.65	2.38	0.00	0.00	0.00	0.00	6.38	14.41
2010	0.74	0.38	0.00	0.00	0.00	0.00	0.73	1.85	0.92	0.39	0.00	0.00	0.00	0.00	1.04	2.35
2015	0.94	0.49	0.00	0.00	0.00	0.00	0.93	2.36	1.18	0.50	0.00	0.00	0.00	0.00	1.33	3.01
2020	1.30	0.67	0.00	0.00	0.00	0.00	1.28	3.25	1.62	0.68	0.00	0.00	0.00	0.00	1.83	4.13
2025	1.71	0.88	0.00	0.00	0.00	0.00	1.69	4.28	2.14	0.90	0.00	0.00	0.00	0.00	2.42	5.46
2030	2.56	1.32	0.00	0.00	0.00	0.00	2.53	6.41	3.20	1.35	0.00	0.00	0.00	0.00	3.62	8.17
2035	2.92	1.51	0.00	0.00	0.00	0.00	2.89	7.32	3.65	1.54	0.00	0.00	0.00	0.00	4.12	9.31
2040	3.54	1.83	0.00	0.00	0.00	0.00	3.50	8.87	4.42	1.87	0.00	0.00	0.00	0.00	5.00	11.29
2045	4.30	2.22	0.00	0.00	0.00	0.00	4.25	10.77	5.37	2.27	0.00	0.00	0.00	0.00	6.07	13.71
2050	5.21	2.69	0.00	0.00	0.00	0.00	5.16	13.06	6.52	2.75	0.00	0.00	0.00	0.00	7.37	16.64
2055	6.05	3.12	0.00	0.00	0.00	0.00	5.98	15.15	7.56	3.19	0.00	0.00	0.00	0.00	8.54	19.29
2065	0.20	0.07	0.34	0.08	0.00	0.00	0.29	0.98								
2070	0.16	0.05	0.34	0.08	0.00	0.00	0.23	0.86								
2075	0.21	0.07	0.57	0.14	0.00	0.00	0.31	1.30								
2080	0.27	0.09	0.57	0.14	0.00	0.00	0.40	1.47								
2085	0.35	0.12	0.64	0.16	0.00	0.00	0.51	1.82								
2090	0.14	0.05	0.34	0.08	0.00	0.00	0.20	0.81								
2095	0.21	0.07	0.80	0.19	0.00	0.00	0.31	1.58								
2100	0.40	0.13	1.02	0.25	0.00	0.00	0.58	2.38								
2105	0.43	0.14	0.39	0.09	0.00	0.00	0.62	1.67								
2110	0.68	0.23	0.56	0.13	0.00	0.00	0.99	2.59								
2115	1.40	0.46	0.56	0.13	0.00	0.00	2.03	4.58								
2120	1.34	0.44	0.44	0.11	0.00	0.00	1.95	4.29								
2125	1.51	0.50	0.45	0.11	0.00	0.00	2.20	4.77								
2130	1.70	0.56	0.51	0.12	0.00	0.00	2.47	5.36								
2135	2.07	0.66	0.73	0.18	0.00	0.00	3.00	6.66								
2145	0.11	0.06	0.44	0.14	0.00	0.00	0.13	0.88								
2155	0.10	0.05	0.62	0.20	0.00	0.00	0.12	1.09								
2160	0.41	0.21	1.42	0.45	0.00	0.00	0.47	2.96								
2165	0.53	0.28	1.12	0.45	0.00	0.00	0.61	3.29								
2175	8.76	5.07	5.72	1.60	0.00	0.00	12.14	33.29								
2180	15.60	9.03	8.8	2.35	0.00	0.00	21.63	56.99								
2185	27.54	15.93	10.07	2.82	0.00	0.00	38.18	94.54								
2195	1.71	1.00	4.12	1.32	0.03	0.01	2.38	10.57								
2200	7.98	4.62	4.03	1.13	0.00	0.00	11.06	28.82								
2210	2.09	0.90	0.71	0.20	0.06	0.01	2.69	6.66								
2215	2.34	1.00	1.19	0.33	0.04	0.01	3.01	7.92								
2220	0.88	0.37	0.00	0.18	0.00	0.00	1.13	2.56								
2225	1.42	0.60	0.70	0.28	0.00	0.00	1.82	4.12								
2235	4.13	1.75	3.08	1.03	0.02	0.00	5.30	15.91								
2245	4.87	2.07	6.13	1.83	0.02	0.00	6.25	21.57								
2250	12.30	5.26	14.11	3.95	0.24	0.04	15.80	51.70								
2260	4.31	1.83	3.8	1.11	0.02	0.00	5.53	16.78								
2265	6.68	2.86	9.02	2.53	0.13	0.02	8.59	29.83								
2270	6.87	2.94	9.2	2.53	0.13	0.02	8.83	30.34								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							TOTAL RATE	SEVERE CONDITIONS							TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
2275	12.85	5.56	11.76	3.29	0.60	0.09	16.56	50.71								
2280	18.84	8.12	11.76	3.29	0.68	0.10	24.25	67.04								
2285	23.40	10.14	16.06	4.50	1.17	0.18	30.16	85.61								
2290	23.68	10.26	16.06	4.50	1.17	0.18	30.52	86.37								
2300	10.81	6.63	2.96	0.53	0.00	0.00	10.82	31.75	12.46	6.73	3.75	0.67	0.00	0.00	14.84	38.97
2305	11.82	8.93	3.63	0.65	0.00	0.00	13.52	38.55	13.04	9.01	4.59	0.83	0.00	0.00	17.56	45.63
2310	11.31	9.56	2.90	0.52	0.00	0.00	10.46	34.75	13.05	9.64	3.75	0.67	0.00	0.00	13.08	40.19
2320	11.97	10.12	2.90	0.52	0.00	0.00	11.07	36.58	13.81	10.20	3.75	0.67	0.00	0.00	13.83	42.26
2330	12.65	10.69	2.90	0.52	0.00	0.00	11.70	38.46	14.60	10.78	3.75	0.67	0.00	0.00	14.52	44.42
2340	16.45	12.42	5.34	0.98	0.00	0.00	18.51	53.98	18.98	12.53	6.77	1.22	0.00	0.00	24.42	63.92
2345	14.95	12.63	4.27	0.77	0.00	0.00	13.82	46.44	17.25	12.74	5.52	0.99	0.00	0.00	17.28	53.73
2355	13.27	13.34	4.27	0.77	0.00	0.00	14.32	45.97	14.93	13.41	5.52	0.99	0.00	0.00	17.25	52.10
2355	16.88	16.97	4.27	0.77	0.00	0.00	18.21	57.10	18.99	17.07	5.52	0.99	0.00	0.00	21.95	64.52
2375	22.19	22.30	7.30	1.31	0.00	0.00	23.93	77.03	24.96	22.43	9.43	1.70	0.00	0.00	28.85	87.37
2385	23.14	23.26	7.30	1.31	0.00	0.00	24.96	79.97	26.03	23.39	9.43	1.70	0.00	0.00	30.09	90.64
2390	23.92	21.45	9.13	1.64	0.00	0.00	30.78	86.92	26.91	21.59	11.56	2.08	0.00	0.00	38.48	100.62
2400	26.29	26.43	7.30	1.31	0.00	0.00	28.36	89.69	29.57	26.57	9.43	1.70	0.00	0.00	34.18	101.45
2410	24.51	27.37	7.30	1.31	0.00	0.00	30.34	90.93	27.34	27.49	9.43	1.70	0.00	0.00	35.82	101.78
2420	26.61	29.59	7.30	1.31	0.00	0.00	32.31	97.62	29.56	29.72	9.43	1.70	0.00	0.00	38.73	109.14
2435	11.35	6.96	3.66	0.66	0.00	0.00	11.36	33.99	13.62	7.06	4.63	0.83	0.00	0.00	15.58	41.72
2440	8.91	7.53	2.93	0.53	0.00	0.00	8.24	28.14	10.28	7.59	3.78	0.68	0.00	0.00	10.30	32.63
2450	14.47	9.56	5.34	0.96	0.00	0.00	16.56	46.89	17.11	9.68	7.02	1.26	0.00	0.00	22.01	57.08
2455	12.31	9.30	4.58	0.82	0.00	0.00	14.09	41.10	14.21	9.38	5.80	1.04	0.00	0.00	18.28	48.71
2460	11.48	9.70	3.66	0.66	0.00	0.00	10.52	36.12	13.25	9.78	4.73	0.85	0.00	0.00	13.27	41.88
2470	20.17	13.32	6.60	1.19	0.00	0.00	23.07	64.35	23.84	13.48	8.68	1.56	0.00	0.00	30.68	78.24
2475	17.78	13.42	5.66	1.02	0.00	0.00	20.34	58.22	20.52	13.55	7.17	1.29	0.00	0.00	26.40	68.93
2485	23.77	19.07	7.61	1.37	0.00	0.00	30.59	82.41	27.17	19.23	10.00	1.80	0.00	0.00	38.85	97.05
2490	22.76	18.26	7.61	1.37	0.00	0.00	29.29	79.29	26.01	18.41	10.00	1.80	0.00	0.00	37.19	93.41
2495	20.47	18.36	6.52	1.17	0.00	0.00	26.34	72.86	23.03	18.48	8.26	1.49	0.00	0.00	32.93	84.19
2500	18.69	18.79	5.22	0.94	0.00	0.00	20.16	63.80	21.03	18.90	6.74	1.21	0.00	0.00	24.31	72.19
2510	23.25	23.37	6.18	1.11	0.00	0.00	25.08	78.99	26.15	23.50	7.98	1.44	0.00	0.00	30.23	89.30
2515	23.92	21.46	7.73	1.39	0.00	0.00	30.79	85.29	26.92	21.59	9.79	1.76	0.00	0.00	38.49	98.55
2525	28.78	23.09	9.13	1.64	0.00	0.00	37.04	99.68	32.89	23.28	11.99	2.16	0.00	0.00	47.03	117.35
2530	27.25	21.86	9.13	1.64	0.00	0.00	35.06	94.94	31.14	22.03	11.99	2.16	0.00	0.00	44.52	111.84
2535	23.56	21.13	7.82	1.41	0.00	0.00	30.32	84.24	26.50	21.26	9.91	1.78	0.00	0.00	37.90	97.35
2545	35.71	32.03	13.54	2.44	0.00	0.00	56.16	139.88	40.17	32.23	17.80	3.20	0.00	0.00	63.18	156.58
2550	24.08	26.78	11.61	2.09	0.00	0.00	37.11	101.67	26.75	26.90	14.70	2.65	0.00	0.00	45.36	116.36
2565	8.69	7.35	2.80	0.50	0.00	0.00	8.04	27.38	10.03	7.41	3.61	0.65	0.00	0.00	10.05	31.75
2575	11.05	11.11	4.20	0.76	0.00	0.00	11.92	39.04	12.43	11.17	5.42	0.98	0.00	0.00	14.37	44.37
2585	15.24	15.32	4.32	0.78	0.00	0.00	16.44	52.10	17.15	15.41	5.59	1.01	0.00	0.00	19.82	58.98
2595	24.32	24.45	6.23	1.12	0.00	0.00	26.24	82.36	27.36	24.59	8.05	1.45	0.00	0.00	31.63	93.08
2610	17.12	15.35	9.13	1.64	0.00	0.00	22.03	65.27	19.26	15.45	11.56	2.08	0.00	0.00	27.53	75.88
2615	17.21	17.30	7.30	1.31	0.00	0.00	18.56	61.68	19.36	17.39	9.43	1.70	0.00	0.00	22.37	70.25
2625	21.81	19.56	10.59	1.91	0.00	0.00	28.07	81.94	24.54	19.69	13.41	2.41	0.00	0.00	35.09	95.14
2630	20.49	20.60	8.47	1.52	0.00	0.00	22.11	73.19	23.06	20.72	10.94	1.97	0.00	0.00	26.65	83.34
2640	29.00	26.01	11.45	2.06	0.00	0.00	37.32	105.84	32.63	26.18	14.50	2.61	0.00	0.00	46.65	122.57
2645	24.50	27.25	9.16	1.65	0.00	0.00	30.21	92.77	27.22	27.37	11.83	2.13	0.00	0.00	35.66	104.21
2655	37.74	41.97	17.43	3.14	0.00	0.00	46.53	146.81	41.93	42.16	22.51	4.05	0.00	0.00	54.93	165.58
2660	38.46	42.76	21.78	3.92	0.00	0.00	59.27	166.19	42.73	42.96	27.59	4.97	0.00	0.00	72.44	190.69
2675	12.33	9.31	7.57	1.36	0.00	0.00	14.10	44.67	14.22	9.39	9.59	1.73	0.00	0.00	18.31	53.24
2680	11.31	9.56	6.05	1.09	0.00	0.00	10.46	38.47	13.05	9.64	7.82	1.41	0.00	0.00	13.07	44.99
2690	23.96	15.82	9.76	1.76	0.00	0.00	27.41	78.71	28.32	16.02	12.82	2.31	0.00	0.00	36.44	95.91
2695	17.82	13.45	8.36	1.51	0.00	0.00	20.39	61.53	20.56	13.58	10.59	1.91	0.00	0.00	26.46	73.10
2700	16.36	13.83	6.69	1.20	0.00	0.00	15.12	53.20	18.87	13.94	8.64	1.56	0.00	0.00	18.91	61.92
2710	18.56	16.65	8.36	1.51	0.00	0.00	23.88	68.96	20.88	16.75	10.59	1.91	0.00	0.00	29.85	79.98

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
2715	17.07	17.16	6.69	1.20	0.00	0.00	18.42	60.54	19.20	17.26	8.64	1.56	0.00	0.00	22.20	68.86
2725	32.21	25.84	13.28	2.39	0.00	0.00	41.45	115.17	36.81	26.05	17.46	3.14	0.00	0.00	52.63	136.09
2730	25.79	23.14	11.38	2.05	0.00	0.00	33.20	95.56	29.02	23.28	14.42	2.60	0.00	0.00	41.49	110.81
2735	24.78	24.91	9.11	1.64	0.00	0.00	26.73	87.17	27.87	25.05	11.76	2.12	0.00	0.00	32.22	99.02
2745	22.69	25.23	13.67	2.46	0.00	0.00	34.97	99.02	25.21	25.35	17.32	3.12	0.00	0.00	42.74	113.74
2750	26.80	26.94	10.94	1.97	0.00	0.00	28.91	95.56	30.15	27.09	14.13	2.54	0.00	0.00	34.85	108.76
2765	11.53	8.70	6.04	1.09	0.00	0.00	13.19	40.55	13.30	8.78	7.65	1.38	0.00	0.00	17.12	48.23
2770	10.55	8.92	4.83	0.87	0.00	0.00	9.76	34.93	12.17	8.99	6.24	1.12	0.00	0.00	12.20	40.72
2780	13.13	9.91	6.04	1.09	0.00	0.00	15.02	45.19	15.15	10.00	7.65	1.38	0.00	0.00	19.49	53.67
2785	12.05	10.19	4.83	0.87	0.00	0.00	11.14	39.08	13.90	10.27	6.24	1.12	0.00	0.00	13.93	45.46
2795	16.84	12.71	6.04	1.09	0.00	0.00	19.26	55.94	19.43	12.83	7.65	1.38	0.00	0.00	25.00	66.29
2800	13.74	13.81	4.83	0.87	0.00	0.00	14.82	48.07	15.46	13.89	6.24	1.12	0.00	0.00	17.87	54.58
2815	4.14	3.92	4.51	1.26	0.86	0.13	4.53	19.35								
2820	4.49	4.24	4.63	1.30	0.86	0.13	4.91	20.56								
2825	4.98	4.79	4.63	1.30	1.35	0.20	5.48	22.73								
2830	5.47	5.24	4.63	1.30	1.39	0.21	6.01	24.25								
2835	7.15	6.83	6.28	1.76	1.22	0.18	7.85	31.27								
2840	9.90	9.54	6.85	1.92	2.78	0.42	10.90	42.31								
2845	11.74	11.39	6.85	1.92	3.64	0.55	12.95	49.04								
2850	14.69	14.02	8.38	2.35	3.53	0.53	16.13	59.63								
2855	18.81	18.11	9.26	2.59	5.19	0.78	20.70	75.44								
2865	4.46	4.13	4.83	1.35	0.55	0.08	4.85	20.25								
2870	4.81	4.45	4.83	1.35	0.55	0.08	5.24	21.31								
2875	5.16	4.76	4.83	1.35	0.55	0.08	5.61	22.34								
2885	4.33	4.02	5.03	1.41	0.55	0.08	4.72	20.14								
2890	4.55	4.21	5.03	1.41	0.55	0.08	4.95	20.78								
2895	4.71	4.36	5.03	1.41	0.55	0.08	5.13	21.27								
2900	5.28	4.99	5.03	1.41	1.04	0.16	5.78	23.69								
2905	6.53	6.37	6.24	1.75	2.18	0.33	7.21	30.61								
2910	6.74	6.56	6.24	1.75	2.18	0.33	7.44	31.24								
2915	9.41	9.10	8.14	2.28	2.78	0.42	10.37	42.50								
2920	9.74	9.40	8.14	2.28	2.78	0.42	10.73	43.49								
2925	10.04	9.67	8.14	2.28	2.78	0.42	11.05	44.38								
2930	13.44	12.89	9.47	2.65	3.53	0.53	14.77	57.28								
2940	4.41	4.09	4.83	1.35	0.55	0.08	4.81	20.12								
2945	4.98	4.72	4.83	1.35	1.04	0.16	5.45	22.53								
2950	11.13	10.65	7.57	2.12	2.78	0.42	12.23	46.90								
2960	7.67	7.07	6.75	1.75	0.77	0.12	6.62	30.75	8.63	7.12	8.65	2.25	0.93	0.14	8.07	35.79
2965	13.60	12.45	9.65	2.51	1.02	0.15	11.72	51.10	15.30	12.53	12.44	3.23	1.25	0.19	14.28	59.22
2975	8.38	7.22	6.93	1.80	0.52	0.08	6.49	31.42	9.67	7.28	9.12	2.37	0.64	0.10	8.24	37.42
2980	8.64	7.99	8.18	2.13	0.97	0.15	7.46	35.52	9.72	8.04	10.76	2.80	1.20	0.18	9.10	41.80
2985	11.04	10.14	8.58	2.23	0.98	0.15	9.52	42.64	12.42	10.21	11.29	2.94	1.20	0.18	11.61	49.85
2990	14.18	14.69	9.42	2.55	2.60	0.39	14.34	58.57	15.76	14.77	12.64	3.29	3.21	0.48	17.07	67.22
2995	22.19	22.63	10.16	2.64	2.60	0.39	22.35	82.96	24.65	22.74	13.03	3.39	3.21	0.48	26.61	94.11
3000	23.65	26.47	15.60	4.05	3.28	0.49	27.24	100.78	26.01	26.58	20.10	5.23	4.05	0.61	31.83	114.41
3010	8.19	7.09	8.70	2.26	0.62	0.09	6.35	33.30	9.45	7.15	11.45	2.98	0.77	0.12	8.07	39.99
3015	8.64	7.92	8.70	2.26	0.70	0.10	7.45	35.77	9.72	7.97	11.45	2.98	0.86	0.13	9.08	42.19
3020	10.54	9.66	9.83	2.56	0.84	0.13	9.09	42.65	11.86	9.72	12.93	3.36	1.02	0.15	11.08	50.12
3030	8.39	7.24	8.46	2.20	0.54	0.08	6.51	33.42	9.68	7.30	11.13	2.89	0.66	0.10	8.26	40.02
3035	9.57	8.81	9.63	2.56	0.93	0.14	8.26	40.10	10.76	8.86	12.93	3.36	1.15	0.17	10.06	47.29
3040	10.68	9.81	9.83	2.56	0.93	0.14	9.21	43.16	12.02	9.87	12.93	3.36	1.15	0.17	11.23	50.73
3045	15.01	15.52	14.70	3.82	3.60	0.39	15.17	67.21	16.68	15.59	19.34	5.03	3.21	0.48	18.06	78.39
3055	13.39	12.43	6.35	1.65	1.73	0.26	11.58	47.39	15.07	12.51	8.09	2.10	2.14	0.32	14.11	54.34
3060	12.34	12.66	6.35	1.65	1.73	0.26	12.45	47.44	13.71	12.72	8.09	2.10	2.14	0.32	14.82	53.90
3065	15.48	15.77	9.69	2.57	1.73	0.26	15.59	61.29	17.20	15.85	12.76	3.32	2.14	0.32	18.56	70.15

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
3070	17.27	17.66	10.70	2.78	2.22	0.33	17.41	68.37	19.19	17.75	13.70	3.56	2.74	0.41	20.72	78.07
3075	22.76	25.25	13.32	3.46	2.22	0.33	25.16	93.50	25.03	25.36	17.14	4.46	2.74	0.41	30.57	105.71
3085	13.14	12.21	6.14	1.60	1.73	0.26	11.37	46.45	14.79	12.29	7.83	2.04	2.14	0.32	13.85	53.26
3090	16.28	16.85	8.94	2.32	2.97	0.45	16.45	64.26	18.08	16.94	11.42	2.97	3.67	0.55	19.59	73.22
3095	17.96	20.05	9.18	2.39	2.22	0.33	20.68	72.81	19.76	20.13	11.73	3.05	2.74	0.41	24.16	81.98
3105	12.89	11.98	6.40	1.66	1.73	0.26	11.15	46.07	14.50	12.05	8.16	2.12	2.14	0.32	13.58	52.87
3110	13.29	13.60	8.13	2.11	1.73	0.26	13.40	52.52	14.77	13.67	10.39	2.70	2.14	0.32	15.95	59.94
3115	16.27	16.84	10.95	2.85	2.97	0.45	16.44	66.77	18.07	16.93	14.10	3.66	3.67	0.55	19.57	76.55
3120	17.79	20.16	10.95	2.85	3.39	0.51	20.55	76.20	19.57	20.24	14.10	3.66	4.15	0.62	24.01	86.35
3130	9.81	8.47	4.71	1.22	0.69	0.10	7.61	32.61	11.32	8.54	5.99	1.56	0.86	0.13	9.65	38.05
3135	9.95	9.12	5.14	1.34	0.80	0.12	8.58	35.05	11.19	9.18	6.53	1.70	0.99	0.15	10.46	40.20
3140	10.84	9.98	5.27	1.37	1.04	0.16	9.36	38.02	12.20	10.04	6.69	1.74	1.28	0.19	11.40	43.54
3145	14.20	13.15	7.14	1.86	1.73	0.26	12.27	50.61	15.97	13.23	9.14	2.38	2.14	0.32	14.95	58.13
3150	14.18	14.48	7.27	1.89	1.73	0.26	14.29	54.10	15.76	14.55	9.30	2.42	2.14	0.32	17.01	61.50
3155	15.79	16.19	8.96	2.33	2.22	0.33	15.92	61.74	17.54	16.27	11.42	2.97	2.74	0.41	18.96	70.31
3160	19.72	20.09	9.73	2.53	2.22	0.33	19.86	74.48	21.92	20.19	12.43	3.23	2.74	0.41	23.65	84.57
3165	19.52	21.74	10.98	2.85	2.22	0.33	22.46	80.10	21.47	21.83	14.07	3.66	2.74	0.41	26.25	90.43
3170	40.16	44.48	17.90	4.65	3.53	0.53	46.14	157.39	44.18	44.66	23.07	6.00	4.37	0.65	53.93	176.86
3180	5.06	2.63	0.00	0.31	0.00	0.00	6.58	14.58								
3185	4.64	2.41	0.00	0.46	0.00	0.00	6.03	13.54								
3190	5.29	2.75	0.00	0.62	0.00	0.00	6.88	15.54								
3195	6.23	3.24	0.00	0.62	0.00	0.00	8.10	18.19								
3200	6.92	3.60	0.00	0.77	0.00	0.00	8.99	20.28								
3210	5.71	2.97	0.00	0.44	0.00	0.00	7.42	16.54								
3215	6.23	3.24	0.00	0.59	0.00	0.00	8.10	18.16								
3220	7.06	3.67	0.00	0.93	0.00	0.00	9.19	20.85								
3230	5.10	2.65	0.00	0.51	0.00	0.00	6.63	14.89								
3235	5.78	3.01	0.00	0.51	0.00	0.00	7.52	16.82								
3240	7.07	3.68	0.00	0.76	0.00	0.00	9.19	20.70								
3250	1.25	0.65	0.00	0.29	0.00	0.00	1.63	3.82								
3255	0.80	0.42	0.00	0.29	0.00	0.00	1.05	2.56								
3260	0.12	0.06	0.00	0.23	0.00	0.00	0.16	0.57								
3270	1.88	0.98	2.19	0.53	0.00	0.00	2.45	8.03								
3275	1.31	0.68	1.00	0.24	0.00	0.00	1.70	4.93								
3285	1.19	0.62	1.21	0.19	0.00	0.00	1.55	4.76								
3290	1.81	0.94	3.14	0.50	0.00	0.00	2.35	8.74								
3295	2.15	1.12	1.99	0.48	0.00	0.00	2.80	8.54								
3300	2.48	1.29	2.69	0.65	0.00	0.00	3.22	10.33								
3305	2.97	1.55	2.99	0.72	0.00	0.00	3.87	12.10								
3315	1.13	0.59	1.82	0.29	0.00	0.00	1.47	5.30								
3320	1.75	0.91	2.44	0.59	0.00	0.00	2.28	7.97								
3330	14.53	11.19	15.15	3.63	1.31	0.20	18.97	64.98								
3340	13.58	10.48	11.21	2.69	1.32	0.20	17.73	57.21								
3345	20.80	16.02	16.69	4.01	1.77	0.27	27.15	86.71								
3350	22.14	17.03	17.44	4.18	1.77	0.27	28.90	91.73								
3355	16.00	12.13	20.43	4.90	0.00	0.00	20.81	74.27								
3360	17.68	13.40	20.43	4.90	0.00	0.00	22.99	79.40								
3365	20.05	19.96	20.43	4.90	0.00	0.00	26.08	91.42								
3370	37.15	36.97	35.52	17.76	0.00	0.00	24.16	151.56								
3380	1.77	0.94	5.20	1.25	0.11	0.02	1.78	11.07								
3385	2.00	1.07	6.60	1.58	0.12	0.02	2.01	13.40								
3390	3.08	1.63	9.57	2.30	0.15	0.02	3.08	19.83								
3395	4.23	2.29	10.48	2.51	0.41	0.06	4.26	24.24								
3400	4.85	2.61	10.48	2.51	0.41	0.06	4.88	25.80								
3405	5.02	2.71	10.48	2.51	0.48	0.07	5.05	26.32								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3410	5.62	3.02	10.48	2.51	0.46	0.07	5.66	27.82								
3415	10.58	5.85	15.67	3.76	1.53	0.23	10.71	48.33								
3430	1.13	0.85	5.20	1.25	0.00	0.00	1.30	9.73	1.25	0.85	6.84	1.64	0.00	0.00	1.69	12.27
3435	1.33	1.00	8.06	1.93	0.00	0.00	1.53	13.85	1.47	1.01	10.60	2.54	0.00	0.00	1.99	17.61
3440	1.51	1.14	8.86	2.13	0.00	0.00	1.75	15.39	1.68	1.15	11.66	2.80	0.00	0.00	2.27	19.56
3445	1.60	1.21	10.47	2.51	0.00	0.00	1.85	17.64	1.78	1.22	13.78	3.31	0.00	0.00	2.40	22.49
3450	1.82	1.37	11.88	2.85	0.00	0.00	2.10	20.02	2.02	1.38	15.63	3.75	0.00	0.00	2.72	25.50
3455	2.12	1.60	13.29	3.19	0.00	0.00	2.45	22.65	2.36	1.61	17.49	4.20	0.00	0.00	3.18	28.84
3460	2.30	1.74	15.71	3.77	0.00	0.00	2.66	26.18	2.56	1.75	20.67	4.96	0.00	0.00	3.45	33.39
3465	4.22	3.18	17.12	4.11	0.00	0.00	4.88	33.51	4.69	3.20	22.52	5.41	0.00	0.00	6.32	42.14
3470	3.19	2.40	17.72	4.25	0.00	0.00	3.69	31.25	3.54	2.42	23.32	5.60	0.00	0.00	4.78	39.66
3475	3.71	2.80	25.17	6.04	0.00	0.00	4.29	42.01	4.12	2.82	33.12	7.95	0.00	0.00	5.56	53.57
3480	5.66	4.26	29.40	7.06	0.00	0.00	6.54	52.92	6.28	4.29	38.69	9.29	0.00	0.00	8.48	67.03
3485	8.39	6.33	32.63	7.83	0.00	0.00	9.70	64.88	9.32	6.37	42.93	10.30	0.00	0.00	12.58	81.50
3490	10.91	8.22	46.52	11.17	0.00	0.00	12.61	89.43	12.12	8.28	61.21	14.69	0.00	0.00	16.35	112.65
3505	0.08	0.06	0.49	0.12	0.00	0.00	0.09	0.84	0.08	0.06	0.64	0.15	0.00	0.00	0.11	1.04
3510	0.17	0.13	1.15	0.28	0.00	0.00	0.20	1.93	0.19	0.13	1.50	0.36	0.00	0.00	0.26	2.44
3515	0.19	0.14	1.65	0.40	0.00	0.00	0.22	2.60	0.21	0.14	2.15	0.52	0.00	0.00	0.28	3.30
3520	0.20	0.15	0.24	0.06	0.00	0.00	0.23	0.88	0.22	0.15	0.32	0.08	0.00	0.00	0.30	1.07
3525	0.26	0.20	0.48	0.12	0.00	0.00	0.30	1.36	0.29	0.20	0.64	0.15	0.00	0.00	0.39	1.67
3530	0.38	0.28	0.89	0.21	0.00	0.00	0.44	2.20	0.42	0.29	1.17	0.28	0.00	0.00	0.57	2.73
3535	0.39	0.29	1.09	0.26	0.00	0.00	0.45	2.48	0.43	0.29	1.43	0.34	0.00	0.00	0.58	3.07
3540	0.57	0.43	2.54	0.61	0.00	0.00	0.66	4.81	0.64	0.44	3.34	0.80	0.00	0.00	0.86	6.08
3545	0.76	0.57	3.50	0.84	0.00	0.00	0.88	6.55	0.84	0.58	4.61	1.11	0.00	0.00	1.14	8.28
3550	0.87	0.66	4.11	0.99	0.00	0.00	1.01	7.64	0.97	0.66	5.41	1.30	0.00	0.00	1.31	9.65
3555	1.04	0.78	6.53	1.57	0.00	0.00	1.20	11.12	1.16	0.79	8.59	2.06	0.00	0.00	1.56	14.16
3560	1.09	0.82	6.53	1.57	0.00	0.00	1.26	11.27	1.21	0.83	8.59	2.06	0.00	0.00	1.63	14.32
3565	1.26	0.95	8.46	2.03	0.00	0.00	1.46	14.16	1.40	0.96	11.13	2.67	0.00	0.00	1.89	18.05
3570	1.49	1.12	11.12	2.67	0.00	0.00	1.72	18.12	1.66	1.13	14.63	3.51	0.00	0.00	2.23	23.16
3585	5.02	4.07	4.64	1.34	0.46	0.07	5.30	20.90	6.03	4.12	6.09	1.77	0.62	0.09	6.89	25.61
3590	5.43	4.39	5.01	1.45	0.46	0.07	5.72	22.53	6.51	4.44	6.58	1.91	0.62	0.09	7.44	27.59
3595	5.84	4.73	5.01	1.45	0.51	0.08	6.16	23.78	7.01	4.78	6.58	1.91	0.68	0.10	8.01	29.07
3600	5.99	4.86	5.56	1.61	0.58	0.09	6.32	25.01	7.18	4.92	7.31	2.12	0.79	0.12	8.22	30.66
3605	8.16	6.80	6.68	1.94	1.39	0.21	8.69	33.87	9.79	6.88	8.78	2.55	1.88	0.28	11.30	41.46
3610	11.68	9.82	9.27	2.69	2.28	0.34	12.48	48.56	14.02	9.93	12.19	3.54	3.09	0.46	16.23	59.46
3620	4.09	3.35	4.64	1.34	0.51	0.08	4.33	18.34	4.91	3.39	6.09	1.77	0.68	0.10	5.63	22.57
3625	4.65	3.81	5.64	1.64	0.56	0.08	4.92	21.30	5.58	3.85	7.41	2.15	0.75	0.11	6.40	26.25
3630	4.94	4.06	6.23	1.81	0.64	0.10	5.24	23.02	5.93	4.11	8.19	2.38	0.87	0.13	6.81	28.42
3635	5.38	4.38	6.72	1.95	0.56	0.08	5.68	24.75	6.45	4.43	8.83	2.56	0.75	0.11	7.39	30.52
3640	3.83	3.15	4.64	1.34	0.51	0.08	4.06	17.61	4.59	3.19	6.09	1.77	0.68	0.10	5.28	21.70
3645	4.23	3.48	5.64	1.64	0.56	0.08	4.49	20.12	5.08	3.52	7.41	2.15	0.75	0.11	5.84	24.86
3650	4.46	3.69	5.64	1.64	0.64	0.10	4.74	20.91	5.36	3.73	7.41	2.15	0.87	0.13	6.16	25.81
3655	4.94	4.06	6.72	1.95	0.64	0.10	5.24	23.65	5.93	4.11	8.83	2.56	0.87	0.13	6.81	29.24
3660	5.93	5.05	8.53	2.47	1.39	0.21	6.37	29.95	7.12	5.11	11.21	3.25	1.88	0.28	8.28	37.13
3670	2.71	2.17	2.52	0.73	0.16	0.02	2.85	11.16	3.25	2.20	3.32	0.96	0.21	0.03	3.70	13.67
3675	4.27	3.49	5.01	1.45	0.51	0.08	4.52	19.33	5.12	3.53	6.58	1.91	0.68	0.10	5.87	23.79
3680	4.51	3.69	5.01	1.45	0.51	0.08	4.78	20.03	5.42	3.73	6.58	1.91	0.68	0.10	6.21	24.63
3685	4.85	3.97	5.94	1.72	0.58	0.09	5.13	22.28	5.82	4.02	7.80	2.26	0.79	0.12	6.67	27.48
3695	2.73	2.18	5.18	0.83	0.16	0.02	2.86	13.96	3.27	2.21	6.71	1.07	0.21	0.03	3.72	17.22
3700	4.98	4.04	5.38	1.56	0.46	0.07	5.25	21.74	5.97	4.08	7.07	2.05	0.62	0.09	6.83	26.71
3705	5.75	4.68	6.90	2.00	0.58	0.09	6.07	26.07	6.90	4.73	9.07	2.63	0.79	0.12	7.89	32.13
3715	0.38	0.20	0.00	0.09	0.00	0.00	0.43	1.10								
3720	0.69	0.36	0.00	0.18	0.00	0.00	0.78	2.01								
3725	0.86	0.45	0.00	0.28	0.00	0.00	0.98	2.57								
3730	2.15	1.12	0.00	0.37	0.00	0.00	2.46	6.10								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							TOTAL RATE	SEVERE CONDITIONS							TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
3740	4.83	2.50	4.03	0.97	0.00	0.00	5.50	17.83								
3745	6.53	3.38	4.03	0.97	0.00	0.00	7.44	23.35								
3750	10.02	5.19	5.24	1.26	0.00	0.00	11.42	33.13								
3755	11.90	6.16	6.04	1.45	0.00	0.00	13.56	39.11								
3770	7.49	4.24	3.82	0.69	0.00	0.00	7.50	23.74	9.16	4.31	5.02	0.90	0.00	0.00	10.48	29.87
3775	10.73	7.09	6.66	1.24	0.00	0.00	12.28	38.20	12.69	7.18	9.02	1.62	0.00	0.00	16.33	46.84
3780	15.84	10.46	11.13	2.00	0.00	0.00	18.11	57.54	18.71	10.59	14.63	2.63	0.00	0.00	24.08	70.64
3785	20.50	16.45	16.92	3.05	0.00	0.00	26.38	83.30	23.43	16.58	22.23	4.00	0.00	0.00	33.50	99.74
3795	9.00	5.09	5.94	1.07	0.00	0.00	9.00	30.10	10.99	5.18	7.80	1.40	0.00	0.00	12.58	37.95
3800	11.07	7.31	8.72	1.57	0.00	0.00	12.66	41.33	13.08	7.40	11.46	2.06	0.00	0.00	16.84	50.84
3805	10.80	8.67	11.43	2.06	0.00	0.00	13.90	46.86	12.35	8.74	15.02	2.70	0.00	0.00	17.66	56.47
3810	23.43	18.80	22.85	4.11	0.00	0.00	30.15	99.34	26.78	18.95	30.04	5.41	0.00	0.00	38.29	119.47
3820	11.05	6.25	6.53	1.18	0.00	0.00	11.06	36.07	13.50	6.36	8.58	1.54	0.00	0.00	15.45	45.43
3825	12.79	8.45	7.61	1.37	0.00	0.00	14.63	44.85	15.12	8.55	10.00	1.80	0.00	0.00	19.46	54.93
3830	16.20	10.70	9.20	1.66	0.00	0.00	18.53	56.29	19.14	10.83	12.09	2.18	0.00	0.00	24.63	68.87
3835	21.58	17.31	14.54	2.62	0.00	0.00	27.77	83.82	24.66	17.45	19.11	3.44	0.00	0.00	35.27	99.93
3845	5.68	3.22	4.64	0.83	0.00	0.00	5.69	20.06	6.95	3.27	6.09	1.10	0.00	0.00	7.95	25.36
3850	6.80	4.98	6.68	1.20	0.00	0.00	8.80	30.46	10.75	5.06	8.78	1.58	0.00	0.00	12.30	38.47
3860	8.22	4.65	3.34	0.60	0.00	0.00	8.23	25.04	10.05	4.73	4.39	0.79	0.00	0.00	11.49	31.45
3865	10.20	5.77	4.64	0.83	0.00	0.00	10.21	31.65	12.47	5.87	6.09	1.10	0.00	0.00	14.27	39.80
3870	15.26	10.07	7.23	1.30	0.00	0.00	17.45	51.31	18.03	10.20	9.51	1.71	0.00	0.00	23.20	62.65
3875	23.19	15.31	12.06	2.17	0.00	0.00	26.52	79.25	27.40	15.50	15.85	2.85	0.00	0.00	35.27	96.87
3885	7.23	4.09	5.82	1.05	0.00	0.00	7.23	25.42	8.83	4.16	7.66	1.38	0.00	0.00	10.11	32.14
3890	7.79	5.14	7.05	1.27	0.00	0.00	8.91	30.16	9.21	5.21	9.26	1.67	0.00	0.00	11.85	37.20
3900	9.42	5.33	4.27	0.77	0.00	0.00	9.43	29.22	11.52	5.42	5.61	1.01	0.00	0.00	13.17	36.73
3905	11.71	6.63	5.94	1.07	0.00	0.00	11.73	37.08	14.32	6.74	7.80	1.40	0.00	0.00	16.38	46.64
3910	13.26	8.76	10.09	1.82	0.00	0.00	15.17	49.10	15.68	8.87	13.26	2.39	0.00	0.00	20.17	60.37
3925	12.12	8.01	8.90	1.60	0.00	0.00	13.87	44.50	14.33	8.10	11.70	2.11	0.00	0.00	18.44	54.68
3930	14.13	9.33	10.76	1.94	0.00	0.00	16.16	52.32	16.69	9.44	14.14	2.55	0.00	0.00	21.48	64.30
3935	15.41	12.36	14.47	2.60	0.00	0.00	19.83	64.67	17.61	12.46	19.02	3.42	0.00	0.00	25.18	77.69
3945	5.83	3.30	4.01	0.72	0.00	0.00	5.83	19.69	7.12	3.36	5.27	0.95	0.00	0.00	8.15	24.85
3950	9.33	5.28	5.31	0.95	0.00	0.00	9.34	30.21	11.40	5.37	6.97	1.26	0.00	0.00	13.04	38.04
3955	9.55	6.31	7.79	1.40	0.00	0.00	10.93	35.98	11.29	6.39	10.24	1.84	0.00	0.00	14.53	44.29
3960	13.56	8.95	8.90	1.60	0.00	0.00	15.51	48.52	16.03	9.06	11.70	2.11	0.00	0.00	20.62	59.52
3965	16.91	11.17	11.39	2.05	0.00	0.00	19.35	60.87	19.99	11.31	14.97	2.69	0.00	0.00	25.72	74.68
3970	17.06	13.69	12.06	2.17	0.00	0.00	21.95	66.93	19.50	13.80	15.85	2.85	0.00	0.00	27.88	79.88
3975	21.35	17.13	14.10	2.54	0.00	0.00	27.47	82.59	24.40	17.26	18.53	3.34	0.00	0.00	34.88	98.41
3980	24.33	19.52	15.58	2.80	0.00	0.00	31.31	93.54	27.81	19.68	20.48	3.69	0.00	0.00	39.76	111.42
3985	31.90	28.61	28.20	5.08	0.00	0.00	50.18	143.97	35.89	28.79	37.06	6.67	0.00	0.00	56.45	164.86
3990	38.37	34.42	30.87	5.56	0.00	0.00	60.36	169.58	43.17	34.63	40.57	7.30	0.00	0.00	67.90	193.57
4005	8.24	4.66	5.64	1.02	0.00	0.00	8.24	27.80	10.07	4.74	7.41	1.33	0.00	0.00	11.51	35.06
4010	11.99	7.92	8.46	1.52	0.00	0.00	13.72	43.61	14.17	8.02	11.12	2.00	0.00	0.00	18.24	53.55
4015	14.82	9.78	11.28	2.03	0.00	0.00	16.95	54.86	17.51	9.91	14.82	2.67	0.00	0.00	22.54	67.45
4025	6.92	6.01	7.26	1.99	0.62	0.09	5.37	28.26	7.98	6.06	9.51	2.61	0.77	0.12	6.82	33.87
4030	8.35	7.38	7.96	2.07	1.24	0.19	6.52	33.71	9.63	7.44	10.24	2.66	1.57	0.24	8.27	40.05
4035	9.97	9.25	13.20	3.43	1.26	0.19	8.62	45.92	11.22	9.30	17.04	4.43	1.56	0.23	10.50	54.28
4045	1.24	0.65	0.00	0.10	0.00	0.00	1.49	3.48	1.55	0.67	0.00	0.10	0.00	0.00	2.09	4.41
4050	1.62	0.86	0.00	0.12	0.00	0.00	1.95	4.55	2.03	0.87	0.00	0.12	0.00	0.00	2.75	5.77
4055	2.41	1.27	0.00	0.15	0.00	0.00	2.90	6.73	3.01	1.30	0.00	0.15	0.00	0.00	4.08	8.54
4060	1.24	0.65	0.00	0.21	0.00	0.00	1.49	3.59	1.55	0.67	0.00	0.21	0.00	0.00	2.10	4.53
4070	0.81	0.52	0.58	0.14	0.00	0.00	2.02	4.07								
4080	0.73	0.48	0.64	0.15	0.00	0.00	1.83	3.83								
4090	1.52	1.22	1.13	0.32	0.76	0.11	2.58	7.64	1.90	1.24	1.48	0.42	1.19	0.18	3.58	9.99
4100	0.31	0.22	0.00	0.00	0.00	0.00	0.50	1.03	0.38	0.23	0.00	0.00	0.00	0.00	0.70	1.31
4105	0.45	0.33	0.00	0.00	0.00	0.00	0.73	1.51	0.56	0.33	0.00	0.00	0.00	0.00	1.02	1.91

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
4110	0.07	0.05	0.00	0.00	0.00	0.00	0.11	0.23	0.09	0.05	0.00	0.00	0.00	0.00	0.16	0.30	
4115	0.36	0.26	0.00	0.00	0.00	0.00	0.58	1.20	0.44	0.26	0.00	0.00	0.00	0.00	0.81	1.51	
4120	0.31	0.22	0.01	0.00	0.00	0.00	0.50	1.03	0.38	0.23	0.00	0.00	0.00	0.00	0.70	1.31	
4125	0.36	0.27	0.00	0.00	0.00	0.00	0.60	1.23	0.46	0.27	0.00	0.00	0.00	0.00	0.83	1.56	
4130	0.48	0.35	0.00	0.00	0.00	0.00	0.78	1.61	0.60	0.35	0.00	0.00	0.00	0.00	1.08	2.03	
4135	0.05	0.04	0.01	0.00	0.00	0.00	0.09	0.18	0.07	0.04	0.00	0.00	0.00	0.00	0.12	0.23	
4140	1.70	1.37	1.64	0.47	0.93	0.14	2.88	9.18	2.12	1.39	2.23	0.62	1.46	0.22	4.01	12.05	
4150	0.38	0.28	0.00	0.00	0.00	0.00	0.62	1.28	0.48	0.28	0.00	0.00	0.00	0.00	0.87	1.63	
4155	0.47	0.34	0.00	0.00	0.00	0.00	0.77	1.58	0.59	0.35	0.00	0.00	0.00	0.00	1.07	2.01	
4160	0.07	0.05	0.01	0.00	0.00	0.00	0.11	0.23	0.09	0.05	0.00	0.00	0.00	0.00	0.16	0.30	
4165	0.36	0.26	0.00	0.00	0.00	0.00	0.58	1.20	0.44	0.26	0.00	0.00	0.00	0.00	0.81	1.51	
4170	0.35	0.25	0.01	0.00	0.00	0.00	0.56	1.16	0.43	0.26	0.00	0.00	0.00	0.00	0.78	1.47	
4175	0.42	0.31	0.00	0.00	0.00	0.00	0.69	1.42	0.53	0.31	0.00	0.00	0.00	0.00	0.96	1.80	
4180	0.54	0.39	0.00	0.00	0.00	0.00	0.88	1.81	0.67	0.40	0.00	0.00	0.00	0.00	1.22	2.29	
4185	0.05	0.04	0.00	0.00	0.00	0.00	0.09	0.18	0.07	0.04	0.00	0.00	0.00	0.00	0.12	0.23	
4190	1.91	1.56	2.26	0.63	1.24	0.19	3.27	11.06	2.38	1.59	2.97	0.83	1.94	0.29	4.54	14.54	
4200	0.41	0.30	0.00	0.00	0.00	0.00	0.67	1.38	0.51	0.30	0.00	0.00	0.00	0.00	0.93	1.74	
4205	0.50	0.36	0.01	0.00	0.00	0.00	0.81	1.57	0.62	0.37	0.00	0.00	0.00	0.00	1.13	2.12	
4210	0.07	0.05	0.00	0.00	0.00	0.00	0.11	0.23	0.09	0.05	0.00	0.00	0.00	0.00	0.16	0.30	
4215	0.36	0.26	0.01	0.00	0.00	0.00	0.58	1.20	0.44	0.26	0.00	0.00	0.00	0.00	0.81	1.51	
4220	0.39	0.28	0.00	0.00	0.00	0.00	0.64	1.31	0.49	0.29	0.00	0.00	0.00	0.00	0.89	1.67	
4225	0.51	0.37	0.00	0.00	0.00	0.00	0.83	1.71	0.63	0.38	0.00	0.00	0.00	0.00	1.15	2.16	
4230	0.68	0.49	0.00	0.00	0.00	0.00	1.11	2.28	0.85	0.50	0.00	0.00	0.00	0.00	1.54	2.89	
4235	0.05	0.04	0.00	0.00	0.00	0.00	0.09	0.18	0.07	0.04	0.00	0.00	0.00	0.00	0.12	0.23	
4240	2.30	1.91	3.38	0.95	1.71	0.26	3.97	14.48	2.88	1.94	4.45	1.25	2.71	0.41	5.51	19.15	
4250	0.44	0.32	0.01	0.00	0.00	0.00	0.71	1.47	0.55	0.32	0.00	0.00	0.00	0.00	0.99	1.86	
4255	0.57	0.42	0.01	0.00	0.00	0.00	0.94	1.93	0.72	0.42	0.00	0.00	0.00	0.00	1.30	2.44	
4260	0.07	0.05	0.01	0.00	0.00	0.00	0.11	0.23	0.09	0.05	0.00	0.00	0.00	0.00	0.16	0.30	
4265	0.36	0.26	0.01	0.00	0.00	0.00	0.58	1.20	0.44	0.26	0.00	0.00	0.00	0.00	0.81	1.51	
4270	0.49	0.35	0.01	0.00	0.00	0.00	0.79	1.63	0.61	0.36	0.00	0.00	0.00	0.00	1.10	2.07	
4275	0.63	0.46	0.03	0.00	0.00	0.00	1.02	2.11	0.78	0.46	0.00	0.00	0.00	0.00	1.42	2.66	
4280	0.85	0.62	0.01	0.00	0.00	0.00	1.38	2.85	1.06	0.63	0.00	0.00	0.00	0.00	1.92	3.61	
4285	0.05	0.04	0.00	0.00	0.00	0.00	0.09	0.18	0.07	0.04	0.00	0.00	0.00	0.00	0.12	0.23	
4290	4.21	3.36	5.03	1.41	2.01	0.30	7.12	23.44	5.26	3.41	6.62	1.85	3.15	0.47	9.90	30.66	
4300	0.64	0.46	0.01	0.00	0.00	0.00	1.04	2.14	0.80	0.47	0.00	0.00	0.00	0.00	1.44	2.71	
4305	0.07	0.05	0.01	0.00	0.00	0.00	0.11	0.23	0.09	0.05	0.00	0.00	0.00	0.00	0.16	0.30	
4310	0.40	0.29	0.01	0.00	0.00	0.00	0.65	1.34	0.50	0.29	0.00	0.00	0.00	0.00	0.90	1.69	
4315	0.55	0.40	0.00	0.00	0.00	0.00	0.90	1.85	0.69	0.41	0.00	0.00	0.00	0.00	1.25	2.35	
4320	0.76	0.55	0.01	0.00	0.00	0.00	1.24	2.55	0.95	0.56	0.00	0.00	0.00	0.00	1.72	3.23	
4325	1.00	0.73	0.00	0.00	0.00	0.00	1.63	3.36	1.25	0.74	0.00	0.00	0.00	0.00	2.26	4.25	
4330	0.05	0.04	0.00	0.00	0.00	0.00	0.09	0.18	0.07	0.04	0.00	0.00	0.00	0.00	0.12	0.23	
4335	7.20	5.93	5.03	1.41	4.94	0.74	12.39	37.67	9.03	6.03	6.62	1.85	7.81	1.17	17.21	49.72	
4340	8.13	6.60	7.45	2.09	5.03	0.75	13.87	43.92	10.16	6.71	9.80	2.75	7.97	1.20	19.27	57.86	
4345	8.14	6.82	7.45	2.09	6.95	1.04	14.08	46.57	10.18	6.93	9.80	2.75	11.08	1.66	19.55	61.95	
4350	9.38	7.86	11.68	3.27	8.21	1.23	16.22	57.85	11.72	7.99	15.37	4.30	13.13	1.97	22.52	77.00	
4355	9.16	7.34	7.45	2.09	4.94	0.74	15.54	47.26	11.45	7.46	9.80	2.75	7.81	1.17	21.58	62.02	
4360	9.71	7.76	7.45	2.09	5.03	0.75	16.46	49.25	12.14	7.88	9.80	2.75	7.97	1.20	22.86	64.60	
4365	10.88	8.82	11.68	3.27	6.95	1.04	18.55	61.19	13.60	8.96	15.37	4.30	11.08	1.66	25.76	80.73	
4370	11.96	9.75	11.68	3.27	8.21	1.23	20.44	66.54	14.95	9.90	15.37	4.30	13.13	1.97	28.39	88.01	
4380	0.61	0.44	0.00	0.00	0.00	0.00	1.00	2.05	0.76	0.45	0.00	0.00	0.00	0.00	1.38	2.59	
4385	0.81	0.59	0.00	0.00	0.00	0.00	1.32	2.72	1.01	0.60	0.00	0.00	0.00	0.00	1.83	3.44	
4390	1.10	0.80	0.0	0.00	0.00	0.00	1.79	3.69	1.37	0.81	0.00	0.00	0.00	0.00	2.49	4.67	
4395	1.26	0.92	0.0	0.00	0.00	0.00	2.06	4.24	1.57	0.93	0.00	0.00	0.00	0.00	2.86	5.36	
4405	2.42	1.43	1.9	0.64	0.00	0.00	4.72	10.90	3.02	1.46	2.23	0.85	0.00	0.00	6.39	13.95	
4410	3.20	1.89	2.00	0.88	0.00	0.00	6.24	14.51	4.00	1.93	3.03	1.15	0.00	0.00	8.45	18.56	

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRES WEAR	TIRES RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRES WEAR	TIRES RPR	REPR	
4415	3.87	2.29	3.13	1.19	0.00	0.00	7.56	18.04	4.84	2.33	4.12	1.57	0.00	0.00	10.23	23.09
4420	5.59	3.30	4.56	1.73	0.00	0.00	10.90	26.08	6.99	3.37	6.01	2.28	0.00	0.00	14.76	33.41
4425	6.67	3.95	6.08	2.31	0.00	0.00	13.02	32.03	8.34	4.02	8.01	3.05	0.00	0.00	17.63	41.05
4435	2.83	1.67	2.82	1.07	0.00	0.00	5.51	13.90	3.53	1.70	3.72	1.41	0.00	0.00	7.46	17.82
4440	5.19	3.07	3.48	1.32	0.00	0.00	10.13	23.19	6.49	3.13	4.58	1.74	0.00	0.00	13.71	29.65
4445	6.53	3.86	4.78	1.82	0.00	0.00	12.74	29.73	8.16	3.93	6.30	2.39	0.00	0.00	17.25	38.03
4450	7.10	4.20	5.65	2.15	0.00	0.00	13.85	32.95	8.87	4.28	7.44	2.83	0.00	0.00	18.75	42.17
4455	10.86	0.42	8.26	3.14	0.00	0.00	21.19	49.87	13.58	6.55	10.88	4.13	0.00	0.00	28.70	63.84
4460	16.85	9.96	11.95	4.54	0.00	0.00	32.87	76.17	21.06	10.15	15.74	5.98	0.00	0.00	44.52	97.45
4470	4.27	2.53	3.78	1.44	0.00	0.00	8.33	20.35	5.34	2.57	4.98	1.89	0.00	0.00	11.28	26.06
4475	5.47	3.23	5.30	2.01	0.00	0.00	10.66	26.67	6.83	3.29	6.98	2.65	0.00	0.00	14.44	34.19
4480	7.19	4.25	6.52	2.48	0.00	0.00	14.02	34.46	8.98	4.33	8.59	3.26	0.00	0.00	18.98	44.14
4485	10.35	6.12	9.69	3.68	0.00	0.00	29.19	50.03	12.94	6.24	12.76	4.85	0.00	0.00	27.35	64.14
4495	3.49	2.06	2.82	1.07	0.00	0.00	6.80	16.24	4.36	2.10	3.72	1.41	0.00	0.00	9.21	20.83
4500	4.13	2.44	3.39	1.29	0.00	0.00	8.06	19.31	5.17	2.49	4.46	1.70	0.00	0.00	10.92	24.74
4505	6.57	3.88	5.65	2.15	0.00	0.00	12.82	31.07	8.21	3.96	7.44	2.83	0.00	0.00	17.35	39.79
4510	9.32	5.51	8.26	3.14	0.00	0.00	18.18	44.41	11.65	5.62	10.88	4.13	0.00	0.00	24.62	56.90
4520	2.48	1.46	1.83	0.69	0.00	0.00	4.83	11.29	3.10	1.49	2.40	0.91	0.00	0.00	6.55	14.45
4525	3.23	1.91	2.82	1.07	0.00	0.00	6.31	15.34	4.04	1.95	3.72	1.41	0.00	0.00	8.54	19.66
4535	2.92	1.73	2.74	1.04	0.00	0.00	5.70	14.13	3.65	1.76	3.61	1.37	0.00	0.00	7.72	18.11
4540	5.13	3.03	4.78	1.82	0.00	0.00	10.01	24.77	6.41	3.09	6.30	2.39	0.00	0.00	13.55	31.74
4545	6.24	3.69	5.87	2.23	0.00	0.00	12.18	30.21	7.80	3.76	7.73	2.94	0.00	0.00	16.49	38.72
4550	9.21	5.45	8.69	3.30	0.00	0.00	17.97	44.62	11.51	5.55	11.45	4.35	0.00	0.00	24.33	57.19
4555	17.97	10.62	15.21	5.78	0.00	0.00	35.05	84.63	22.46	10.83	20.03	7.61	0.00	0.00	47.46	108.39
4565	0.45	0.28	1.32	0.42	0.11	0.02	0.53	3.13	0.57	0.29	1.72	0.55	0.20	0.03	0.70	4.06
4570	0.57	0.35	0.52	0.21	0.11	0.02	0.66	2.44	0.71	0.36	0.69	0.28	0.20	0.03	0.88	3.15
4575	0.67	0.41	1.90	0.61	0.13	0.02	0.77	4.51	0.83	0.42	2.47	0.79	0.26	0.04	1.03	5.84
4580	0.80	0.49	0.77	0.31	0.13	0.02	0.93	3.45	1.01	0.50	1.01	0.40	0.26	0.04	1.24	4.46
4585	0.83	0.50	2.47	0.79	0.09	0.01	0.95	5.64	1.04	0.51	3.22	1.03	0.18	0.03	1.27	7.28
4590	0.80	0.48	2.47	0.79	0.09	0.01	0.91	5.55	1.00	0.49	3.22	1.03	0.18	0.03	1.22	7.17
4595	0.96	0.58	1.13	0.45	0.09	0.01	1.10	4.32	1.20	0.59	1.48	0.59	0.18	0.03	1.47	5.54
4600	0.85	0.52	2.64	0.84	0.09	0.01	0.98	5.93	1.07	0.53	3.44	1.10	0.18	0.03	1.31	7.66
4605	1.02	0.61	2.80	0.90	0.09	0.01	1.16	6.59	1.27	0.63	3.65	1.17	0.18	0.03	1.56	8.49
4610	1.10	0.67	1.45	0.58	0.09	0.01	1.26	5.16	1.38	0.68	1.91	0.76	0.18	0.03	1.69	6.63
4615	1.28	0.80	1.69	0.68	0.28	0.04	1.48	6.25	1.60	0.81	2.23	0.89	0.53	0.08	1.98	8.12
4620	1.38	0.86	2.18	0.87	0.28	0.04	1.59	7.20	1.73	0.87	2.86	1.14	0.53	0.08	2.13	9.34
4625	2.33	1.51	3.14	1.26	0.96	0.14	2.72	12.06	2.91	1.54	4.13	1.65	1.83	0.27	3.65	15.98
4635	3.57	2.20	3.34	1.34	0.67	0.10	4.11	15.33	4.46	2.25	4.40	1.76	1.28	0.19	5.50	19.84
4640	4.29	2.64	4.15	1.66	0.70	0.11	4.94	18.49	5.37	2.69	5.46	2.18	1.35	0.20	6.62	23.87
4645	6.12	3.77	5.32	2.13	1.03	0.15	7.05	25.57	7.65	3.84	7.00	2.80	1.97	0.30	9.44	33.00
4650	8.03	5.03	7.45	2.98	1.95	0.29	9.29	35.02	10.04	5.13	9.80	3.92	3.73	0.56	12.45	45.63
4660	3.04	1.97	2.62	1.05	1.17	0.18	3.56	13.59	3.81	2.01	3.44	1.38	2.23	0.33	4.76	17.96
4665	4.22	2.62	3.22	1.29	0.84	0.13	4.87	17.19	5.28	2.67	4.24	1.70	1.60	0.24	6.52	22.25
4670	4.76	2.96	4.03	1.61	1.03	0.15	5.49	20.03	5.95	3.02	5.30	2.12	1.97	0.30	7.36	26.02
4675	7.23	4.69	5.24	2.09	2.86	0.43	8.45	30.99	9.04	4.78	6.89	2.76	5.46	0.82	11.32	41.07
4680	9.40	6.25	6.85	2.74	4.81	0.72	11.08	41.85	11.75	6.37	9.01	3.60	9.19	1.38	14.84	56.14
4685	11.67	7.93	10.47	3.14	5.20	0.78	12.52	51.71	14.00	8.05	13.78	4.13	9.93	1.49	16.10	67.48
4690	16.58	11.73	15.10	4.53	7.85	1.18	17.97	74.94	19.90	11.90	19.87	5.96	14.99	2.25	23.11	97.98
4695	33.44	24.26	27.79	8.34	19.19	2.88	36.48	152.38	40.12	24.61	36.57	10.97	36.64	5.50	46.90	201.31
4705	3.49	2.23	3.30	1.32	1.17	0.18	4.06	15.75	4.36	2.27	4.35	1.74	2.23	0.33	5.44	20.72
4710	4.25	2.63	4.31	1.72	0.84	0.13	4.90	18.78	5.31	2.68	5.67	2.27	1.60	0.24	6.57	24.34
4715	4.78	2.98	4.87	1.95	1.03	0.15	5.52	21.28	5.98	3.03	6.41	2.57	1.97	0.30	7.39	27.65
4720	7.13	4.52	6.20	2.48	2.14	0.32	8.28	31.07	8.91	4.61	8.16	3.26	4.08	0.61	11.09	40.72
4725	9.45	6.11	8.46	3.38	3.60	0.54	11.04	42.58	11.82	6.22	11.13	4.45	6.87	1.03	14.79	56.31
4730	11.25	7.67	11.00	3.30	5.20	0.78	12.08	51.28	13.50	7.78	14.47	4.34	9.93	1.49	15.53	67.04

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUE	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4735	15.42	10.59	14.50	4.35	5.47	0.82	16.59	67.74	18.51	10.74	19.08	5.72	10.44	1.57	21.33	87.39
4740	28.89	20.41	24.6	7.40	13.50	2.02	31.30	128.17	34.67	20.70	32.44	9.73	25.77	3.86	40.25	167.42
4750	3.17	1.97	3.2	1.29	0.70	0.11	3.66	14.12	3.96	2.01	4.24	1.70	1.35	0.20	4.90	18.36
4755	4.03	2.49	4.1	1.64	0.70	0.11	4.65	17.73	5.04	2.53	5.41	2.16	1.35	0.20	6.22	22.91
4760	4.53	2.83	4.3	1.74	1.03	0.15	5.23	19.86	5.66	2.88	5.72	2.29	1.97	0.30	7.01	25.83
4765	5.84	3.76	6.03	2.43	2.14	0.32	6.81	27.38	7.30	3.83	8.00	3.20	4.08	0.61	9.12	36.14
4770	9.18	5.94	8.67	3.46	3.60	0.54	10.72	42.10	11.47	6.06	11.39	4.56	6.87	1.03	14.36	55.74
4775	13.42	9.34	13.4	4.05	5.47	0.82	14.49	61.08	16.10	9.47	17.75	5.33	10.44	1.57	18.63	79.29
4785	2.86	1.84	3.22	1.29	1.03	0.15	3.33	13.72	3.57	1.87	4.24	1.70	1.97	0.30	4.46	18.11
4790	3.50	2.25	4.03	1.61	1.25	0.19	4.09	16.92	4.38	2.29	5.30	2.12	2.39	0.36	5.47	22.31
4795	4.22	2.65	4.83	1.93	1.09	0.16	4.89	19.77	5.28	2.70	6.36	2.54	2.08	0.31	6.55	25.82
4800	6.04	3.98	6.24	2.50	2.86	0.43	7.10	29.15	7.55	4.06	8.21	3.29	5.46	0.82	9.51	38.90
4805	8.55	5.55	7.67	3.05	3.43	0.51	9.99	38.69	10.68	5.65	10.02	4.01	6.54	0.98	13.39	51.27
4810	11.00	7.52	11.28	3.38	5.20	0.78	11.82	50.98	13.20	7.63	14.84	4.45	9.93	1.49	15.20	66.74
4815	15.76	10.80	16.72	5.01	5.47	0.82	16.94	71.52	18.91	10.95	21.99	6.60	10.44	1.57	21.79	92.25
4820	31.60	22.24	23.77	7.13	14.29	2.14	34.20	135.37	37.91	22.56	31.27	9.38	27.29	4.09	43.97	176.47
4830	6.09	4.01	6.44	2.58	2.86	0.43	7.16	29.57	7.61	4.09	8.48	3.39	5.46	0.82	9.59	39.44
4835	8.31	5.79	9.30	2.79	4.81	0.72	8.98	40.70	9.98	5.88	12.24	3.67	9.19	1.38	11.54	53.88
4840	11.11	7.59	12.37	3.71	5.20	0.78	11.94	52.70	13.33	7.70	16.27	4.88	9.93	1.49	15.35	68.95
4845	16.04	10.97	15.63	4.69	5.47	0.82	17.24	70.86	19.25	11.13	20.56	6.17	10.44	1.57	22.16	91.28
4850	22.01	15.30	17.43	5.24	3.88	1.33	23.75	93.99	26.41	15.52	23.00	6.90	16.95	2.54	30.54	121.86
4860	3.93	2.45	3.42	1.37	0.84	0.13	4.54	16.68	4.91	2.49	4.50	1.80	1.60	0.24	6.08	21.62
4865	4.50	2.81	9.65	3.09	1.03	0.15	5.20	26.43	5.63	2.86	12.58	4.02	1.97	0.30	6.97	34.33
4870	6.12	4.03	5.80	2.32	2.86	0.43	7.20	28.76	7.65	4.11	7.63	3.05	5.46	0.82	9.64	38.36
4875	7.82	5.05	7.33	2.93	2.98	0.45	9.13	35.69	9.77	5.15	9.65	3.86	5.69	0.85	12.23	47.20
4880	8.01	5.43	8.65	3.46	4.81	0.72	9.50	40.59	10.01	5.53	11.39	4.56	9.19	1.38	12.72	54.78
4885	11.10	7.58	11.48	3.44	5.20	0.78	11.92	51.50	13.32	7.69	15.10	4.53	9.93	1.49	15.33	67.39
4890	14.70	10.14	16.11	4.83	5.47	0.82	15.83	67.90	17.64	10.28	21.20	6.36	10.44	1.57	20.35	87.84
4900	2.51	1.72	2.22	0.62	0.21	0.03	3.58	10.89	3.13	1.74	2.91	0.82	0.29	0.04	4.76	13.69
4905	3.63	2.50	3.22	0.90	0.37	0.06	5.20	15.88	4.54	2.54	4.24	1.19	0.51	0.08	6.91	20.01
4915	2.39	1.67	2.53	0.70	0.36	0.05	3.43	11.10	2.98	1.69	3.29	0.92	0.51	0.08	4.56	14.03
4920	3.67	2.56	3.22	0.90	0.53	0.08	5.27	16.23	4.58	2.60	4.24	1.19	0.74	0.11	7.00	20.46
4930	3.08	1.82	1.69	0.64	0.00	0.00	6.00	13.23	3.84	1.85	2.23	0.85	0.00	0.00	8.13	16.90
4935	4.18	2.47	2.0	0.88	0.00	0.00	8.15	17.98	5.22	2.52	3.03	1.15	0.00	0.00	11.03	22.95
4945	3.82	2.26	2.62	1.07	0.00	0.00	7.46	17.43	4.78	2.30	3.72	1.41	0.00	0.00	10.10	22.31
4955	1.21	0.55	0.00	0.12	0.00	0.00	1.98	3.86								
4960	1.14	0.52	0.00	0.12	0.00	0.00	1.87	3.65								
4970	1.29	0.59	0.00	0.22	0.00	0.00	2.11	4.21								
4975	1.94	0.89	0.00	0.30	0.00	0.00	3.17	6.30								
4985	1.52	0.69	0.00	0.24	0.00	0.00	2.49	4.94								
4990	2.05	0.94	0.00	0.44	0.00	0.00	3.36	6.79								
4995	2.40	1.10	0.00	0.70	0.00	0.00	3.92	8.12								
5005	3.34	1.52	0.00	0.06	0.00	0.00	5.45	10.37								
5010	3.46	1.58	0.00	0.06	0.00	0.00	5.66	10.76								
5015	5.97	2.72	0.00	0.06	0.00	0.00	9.75	18.50								
5020	6.34	2.89	0.00	0.06	0.00	0.00	10.36	19.65								
5030	3.31	1.51	0.00	0.38	0.00	0.00	5.41	10.61								
5035	3.79	1.73	0.00	0.44	0.00	0.00	6.19	12.15								
5040	4.35	1.98	0.00	0.53	0.00	0.00	7.11	13.97								
5045	4.76	2.17	0.00	0.65	0.00	0.00	7.79	15.37								
5050	5.31	2.42	0.00	0.57	0.00	0.00	8.67	16.97								
5055	6.36	2.90	0.00	0.84	0.00	0.00	10.39	20.49								
5060	7.56	3.45	0.00	0.84	0.00	0.00	12.36	24.21								
5065	8.91	4.06	0.00	1.02	0.00	0.00	14.56	28.55								
5070	14.93	6.81	0.00	1.12	0.00	0.00	24.40	47.26								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5080	2.43	1.11	0.00	0.44	0.00	0.00	3.98	7.96								
5085	2.88	1.31	0.00	0.58	0.00	0.00	4.70	9.47								
5090	3.92	1.79	0.00	0.58	0.00	0.00	6.41	12.70								
5095	1.01	0.46	0.00	0.22	0.00	0.00	1.66	3.35								
5100	1.27	0.58	0.00	0.30	0.00	0.00	2.08	4.23								
5105	1.63	0.74	0.00	0.38	0.00	0.00	2.67	5.42								
5115	4.20	1.92	0.00	0.60	0.00	0.00	6.87	13.59								
5120	4.82	2.20	0.00	0.70	0.00	0.00	7.88	15.60								
5125	5.17	2.36	0.00	0.84	0.00	0.00	8.45	16.82								
5130	6.22	2.84	0.00	0.98	0.00	0.00	10.17	20.21								
5135	7.82	3.57	0.00	1.02	0.00	0.00	12.78	25.19								
5140	11.31	5.16	0.00	1.21	0.00	0.00	18.49	36.17								
5150	5.91	2.69	2.38	0.67	0.00	0.00	9.65	21.30								
5155	11.54	5.26	6.28	1.76	0.00	0.00	18.86	43.70								
5160	15.73	7.18	11.88	3.33	0.00	0.00	25.71	63.83								
5170	6.79	4.58	2.34	0.75	0.00	0.00	7.69	21.15	6.94	4.63	3.01	0.96	0.00	0.00	10.46	26.00
5175	9.23	7.31	4.45	1.42	0.00	0.00	12.26	34.67	11.08	7.39	5.72	1.83	0.00	0.00	16.68	42.70
5180	10.56	6.36	4.45	1.42	0.00	0.00	14.03	38.82	12.67	8.45	5.72	1.83	0.00	0.00	19.08	47.75
5185	13.29	10.52	6.08	2.14	0.00	0.00	17.66	50.29	15.95	10.64	8.59	2.75	0.00	0.00	24.01	61.94
5190	18.56	14.69	9.13	2.92	0.00	0.00	24.65	69.95	22.27	14.86	11.73	3.75	0.00	0.00	33.53	86.14
5200	1.08	0.46	0.00	0.14	0.00	0.00	1.39	3.07								
5205	0.40	0.17	0.00	0.09	0.00	0.00	0.51	1.17								
5210	1.60	0.68	0.00	0.28	0.00	0.00	2.05	4.61								
5215	0.69	0.29	0.00	0.05	0.00	0.00	0.88	1.91								
5225	0.47	0.24	1.14	0.36	0.00	0.00	0.53	2.74								
5230	0.59	0.31	1.71	0.55	0.00	0.00	0.67	3.83								
5240	0.03	0.02	0.23	0.07	0.00	0.00	0.04	0.39								
5245	0.04	0.02	0.34	0.11	0.00	0.00	0.04	0.55								
5250	0.07	0.04	0.91	0.29	0.00	0.00	0.08	1.39								
5260	0.62	0.32	4.89	1.57	0.00	0.00	0.70	8.10								
5265	0.35	0.18	1.69	0.64	0.00	0.00	0.40	3.26								
5270	0.82	0.42	8.99	2.68	0.00	0.00	0.93	14.04								
5275	1.18	0.61	3.37	1.28	0.00	0.00	1.34	7.78								
5280	1.52	0.79	3.93	1.49	0.00	0.00	1.73	9.46								
5285	1.61	0.83	3.82	1.45	0.00	0.00	1.84	9.55								
5295	0.06	0.03	0.57	0.18	0.00	0.00	0.07	0.91								
5300	0.09	0.04	0.91	0.29	0.00	0.00	0.10	1.43								
5305	0.17	0.09	1.82	0.58	0.00	0.00	0.20	2.86								
5315	0.08	0.04	0.34	0.11	0.00	0.00	0.09	0.66								
5320	0.09	0.04	0.34	0.11	0.00	0.00	0.10	0.68								
5330	0.10	0.05	0.13	0.06	0.00	0.00	0.05	0.39								
5335	0.12	0.06	0.25	0.11	0.00	0.00	0.07	0.61								
5345	3.53	1.52	0.00	0.07	0.00	0.00	4.24	9.36	4.70	1.57	0.00	0.07	0.00	0.00	6.36	12.70
5350	0.28	0.12	0.00	0.00	0.00	0.00	0.33	0.73	0.37	0.12	0.00	0.00	0.00	0.00	0.50	0.99
5355	2.04	0.88	0.00	0.07	0.00	0.00	2.46	5.45	2.73	0.91	0.00	0.07	0.00	0.00	3.69	7.40
5360	0.20	0.09	0.00	0.00	0.00	0.00	0.24	0.53	0.26	0.09	0.00	0.00	0.00	0.00	0.36	0.71
5365	1.71	0.73	0.00	0.07	0.00	0.00	2.05	4.56	2.28	0.76	0.00	0.07	0.00	0.00	3.08	6.19
5370	0.12	0.05	0.00	0.00	0.00	0.00	0.15	0.32	0.16	0.05	0.00	0.00	0.00	0.00	0.22	0.43
5375	0.78	0.33	0.00	0.07	0.00	0.00	0.93	2.11	1.04	0.35	0.00	0.07	0.00	0.00	1.40	2.86
5380	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.05	0.10
5385	1.76	0.76	0.00	0.07	0.00	0.00	2.11	4.70	2.34	0.78	0.00	0.07	0.00	0.00	3.17	6.36
5390	0.16	0.07	0.00	0.00	0.00	0.00	0.19	0.42	0.21	0.07	0.00	0.00	0.00	0.00	0.29	0.57
5395	1.29	0.55	0.00	0.07	0.00	0.00	1.55	3.46	1.72	0.57	0.00	0.07	0.00	0.00	2.32	4.68
5400	0.12	0.05	0.00	0.00	0.00	0.00	0.14	0.31	0.15	0.05	0.00	0.00	0.00	0.00	0.21	0.41
5405	0.73	0.31	0.00	0.07	0.00	0.00	0.87	1.98	0.97	0.32	0.00	0.07	0.00	0.00	1.31	2.67

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FULL	FOG	TIKE	TIKE	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	TOTAL RATE
5410	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	0.05	0.09
5415	1.98	0.85	0.00	0.07	0.00	0.00	2.38	5.28	2.64	0.88	0.00	0.07	0.00	0.00	3.57	7.16
5420	0.16	0.07	0.00	0.00	0.00	0.00	0.19	0.42	0.21	0.07	0.00	0.00	0.00	0.00	0.29	0.57
5425	1.93	0.83	0.00	0.07	0.00	0.00	2.32	5.15	2.57	0.86	0.00	0.07	0.00	0.00	3.48	6.98
5430	0.37	0.16	0.00	0.00	0.00	0.00	0.44	0.97	0.49	0.16	0.00	0.00	0.00	0.00	0.66	1.31
5435	1.76	0.76	0.00	0.07	0.00	0.00	2.11	4.70	2.34	0.78	0.00	0.07	0.00	0.00	3.17	6.36
5440	0.16	0.07	0.00	0.00	0.00	0.00	0.19	0.42	0.21	0.07	0.00	0.00	0.00	0.00	0.29	0.57
5445	0.60	0.32	0.00	0.07	0.00	0.00	0.73	1.72	0.75	0.33	0.00	0.07	0.00	0.00	1.02	2.17
5455	4.27	1.84	0.00	0.07	0.00	0.00	5.13	11.31	5.69	1.90	0.00	0.07	0.00	0.00	7.69	15.35
5460	0.31	0.13	0.00	0.00	0.00	0.00	0.38	0.82	0.42	0.14	0.00	0.00	0.00	0.00	0.56	1.12
5465	4.55	1.96	0.00	0.07	0.00	0.00	5.47	12.05	6.07	2.03	0.00	0.07	0.00	0.00	8.21	16.38
5470	3.64	1.57	0.00	0.07	0.00	0.00	4.37	9.65	4.85	1.62	0.00	0.07	0.00	0.00	6.56	13.10
5475	0.28	0.12	0.00	0.00	0.00	0.00	0.34	0.74	0.37	0.13	0.00	0.00	0.00	0.00	0.51	1.01
5480	3.39	1.46	0.00	0.07	0.00	0.00	4.07	8.99	4.51	1.51	0.00	0.07	0.00	0.00	6.10	12.19
5485	2.36	1.02	0.00	0.07	0.00	0.00	2.83	6.28	3.14	1.05	0.00	0.07	0.00	0.00	4.25	8.51
5490	0.16	0.07	0.00	0.00	0.00	0.00	0.19	0.42	0.21	0.07	0.00	0.00	0.00	0.00	0.28	0.56
5495	2.29	0.99	0.00	0.07	0.00	0.00	2.75	6.10	3.05	1.02	0.00	0.07	0.00	0.00	4.13	8.27
5500	1.37	0.59	0.00	0.07	0.00	0.00	1.65	3.68	1.83	0.61	0.00	0.07	0.00	0.00	2.47	4.98
5505	0.08	0.04	0.00	0.00	0.00	0.00	0.10	0.22	0.11	0.04	0.00	0.00	0.00	0.00	0.15	0.30
5510	0.86	0.37	0.00	0.07	0.00	0.00	1.03	2.33	1.14	0.38	0.00	0.07	0.00	0.00	1.55	3.14
5515	0.04	0.02	0.00	0.00	0.00	0.00	0.05	0.11	0.06	0.02	0.00	0.00	0.00	0.00	0.08	0.16
5520	0.53	0.23	0.00	0.07	0.00	0.00	0.64	1.47	0.71	0.24	0.00	0.07	0.00	0.00	0.96	1.96
5525	0.02	0.01	0.00	0.00	0.00	0.00	0.03	0.06	0.03	0.01	0.00	0.00	0.00	0.00	0.04	0.08
5530	0.24	0.10	0.00	0.07	0.00	0.00	0.28	0.69	0.31	0.10	0.00	0.07	0.00	0.00	0.42	0.90
5535	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05
5545	4.81	2.07	0.00	0.05	0.00	0.00	5.78	12.71	6.41	2.14	0.00	0.05	0.00	0.00	8.67	17.27
5550	3.90	1.68	0.00	0.05	0.00	0.00	4.68	10.31	5.20	1.74	0.00	0.05	0.00	0.00	7.02	14.01
5555	2.53	1.09	0.00	0.05	0.00	0.00	3.04	6.71	3.38	1.13	0.00	0.05	0.00	0.00	4.57	9.13
5560	2.40	1.03	0.00	0.05	0.00	0.00	2.88	6.36	3.19	1.07	0.00	0.05	0.00	0.00	4.32	8.63
5570	2.15	1.28	3.42	0.82	0.21	0.03	2.53	10.54								
5575	2.30	1.37	3.42	0.82	0.21	0.03	2.80	10.95								
5580	3.05	1.81	3.42	0.82	0.26	0.04	3.72	13.12								
5585	4.63	3.02	5.03	1.21	1.65	0.25	5.81	21.60								
5595	1.94	1.16	3.15	0.73	0.21	0.03	2.37	9.50								
5600	2.09	1.25	3.06	0.73	0.21	0.03	2.55	9.92								
5605	2.14	1.28	3.14	0.75	0.21	0.03	2.61	10.16								
5610	2.04	1.23	8.13	2.12	0.26	0.04	2.50	17.02								
5615	2.29	1.37	3.06	0.73	0.26	0.04	2.80	10.55								
5620	2.12	1.29	8.83	2.12	0.30	0.05	2.60	17.31								
5625	2.37	1.43	3.16	0.73	0.30	0.05	2.90	10.84								
5630	5.14	3.12	4.71	1.13	0.76	0.11	6.31	21.28								
5640	2.17	1.29	2.74	0.66	0.21	0.03	2.65	9.75								
5645	2.55	1.60	2.74	0.66	0.60	0.09	3.16	11.40								
5650	5.40	3.26	5.24	1.26	0.73	0.11	6.62	22.62								
5655	6.51	3.97	5.24	1.26	1.06	0.16	8.00	26.20								
5665	2.15	2.10	0.00	0.05	2.22	0.33	3.10	9.95								
5670	2.93	2.45	0.00	0.05	2.73	0.41	3.99	12.56								
5680	2.57	2.68	0.00	0.09	3.05	0.46	3.81	12.66								
5685	2.70	2.38	0.00	0.09	2.11	0.32	3.74	11.34								
5690	4.44	3.75	0.00	0.09	3.05	0.46	6.06	17.85								
5700	0.45	0.33	0.00	0.05	0.24	0.04	0.58	1.69								
5710	0.79	0.45	0.00	0.11	0.00	0.00	0.95	2.30								
5715	1.00	0.57	0.00	0.11	0.00	0.00	1.21	2.89								
5720	1.03	0.59	0.00	0.11	0.00	0.00	1.24	2.97								
5725	1.54	0.88	0.00	0.11	0.00	0.00	1.86	4.39								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE
5730	2.35	1.35	0.00	0.11	0.00	0.00	2.84	6.65							
5735	3.56	2.04	0.00	0.11	0.00	0.00	4.30	10.01							
5740	2.33	1.34	0.00	0.12	0.00	0.00	2.82	6.61							
5745	2.70	1.55	0.00	0.11	0.00	0.00	3.26	7.62							
5750	4.19	2.41	0.00	0.11	0.00	0.00	5.07	11.78							
5760	0.35	0.20	0.00	0.12	0.00	0.00	0.42	1.09							
5765	0.70	0.40	0.00	0.12	0.00	0.00	0.85	2.07							
5775	9.87	5.66	6.85	1.64	0.00	0.00	11.93	35.95							
5780	15.07	8.65	12.49	3.00	0.00	0.00	18.21	57.42							
5785	15.86	9.10	12.49	3.00	0.00	0.00	19.17	59.62							
5795	16.60	9.53	13.29	3.19	0.00	0.00	20.06	62.67							
5805	1.60	0.92	1.57	0.38	0.00	0.00	1.93	6.40							
5810	1.93	1.11	1.57	0.38	0.00	0.00	2.34	7.33							
5815	2.57	1.53	3.42	0.82	0.00	0.00	3.22	11.66							
5820	2.66	1.64	3.42	0.82	0.00	0.00	3.46	12.20							
5825	3.09	1.77	3.42	0.82	0.00	0.00	3.74	12.84							
5830	3.38	1.94	3.42	0.82	0.00	0.00	4.08	13.64							
5840	3.43	1.97	6.83	2.12	0.00	0.00	4.14	20.49							
5845	3.67	2.11	3.42	0.82	0.00	0.00	4.44	14.46							
5850	3.63	2.08	8.83	2.12	0.00	0.00	4.39	21.05							
5855	3.68	2.22	3.42	0.82	0.00	0.00	4.68	15.02							
5860	1.62	0.93	4.45	1.07	0.00	0.00	1.95	10.02							
5865	2.29	1.31	8.83	2.12	0.00	0.00	2.76	17.31							
5870	2.53	1.45	3.06	0.73	0.00	0.00	3.06	10.83							
5875	2.77	1.59	8.83	2.12	0.00	0.00	3.35	18.56							
5880	3.02	1.73	3.06	0.73	0.00	0.00	3.65	12.19							
5885	2.99	1.72	8.83	2.12	0.00	0.00	3.52	19.28							
5890	3.24	1.86	3.06	0.73	0.00	0.00	3.91	12.80							
5895	1.04	0.49	2.05	0.49	0.00	0.00	1.57	5.64							
5905	1.28	0.60	2.05	0.49	0.00	0.00	1.93	6.35							
5910	2.59	1.21	2.42	0.58	0.00	0.00	3.91	10.71							
5915	2.81	1.31	2.42	0.58	0.00	0.00	4.24	11.36							
5920	3.99	1.87	5.34	1.28	0.00	0.00	6.03	18.51							
5925	4.19	1.96	5.34	1.28	0.00	0.00	6.32	19.09							
5935	2.99	1.40	2.75	0.66	0.00	0.00	4.52	12.32							
5940	3.25	1.52	2.75	0.66	0.00	0.00	4.91	13.09							
5945	4.84	2.27	4.33	1.04	0.00	0.00	7.31	19.79							
5950	5.27	2.47	4.33	1.04	0.00	0.00	7.96	21.07							
5960	2.54	1.19	2.02	0.49	0.00	0.00	3.83	10.07							
5965	3.02	1.42	2.19	0.53	0.00	0.00	4.57	11.73							
5975	1.54	0.72	1.69	0.40	0.00	0.00	2.33	6.68							
5980	1.40	0.65	1.69	0.40	0.00	0.00	2.11	6.25							
5990	6.07	2.84	4.21	1.01	0.00	0.00	9.17	23.30							
5995	4.64	2.17	2.81	0.67	0.00	0.00	7.01	17.30							
6005	1.88	0.88	2.02	0.49	0.00	0.00	2.84	8.11							
6010	3.74	1.75	3.37	0.81	0.00	0.00	5.65	15.32							
6015	5.05	2.36	5.06	1.21	0.00	0.00	7.63	21.31							
6025	4.55	2.16	4.10	0.98	0.14	0.02	6.90	18.85							
6030	5.04	2.41	4.10	0.98	0.25	0.04	7.66	20.48							
6035	5.70	2.71	4.10	0.98	0.21	0.03	8.64	22.37							
6040	6.69	3.24	7.02	1.09	0.52	0.08	10.20	29.44							
6045	5.27	2.58	7.02	1.69	0.56	0.08	8.06	25.26							
6050	5.59	2.73	7.02	1.69	0.56	0.08	8.54	26.21							
6055	6.42	3.12	7.02	1.69	0.56	0.08	9.81	28.70							
6060	5.89	2.87	7.02	1.69	0.56	0.08	8.99	27.10							

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
6065	7.37	3.57	7.02	1.69	0.56	0.08	11.24	31.53								
6075	6.10	2.86	7.02	1.69	0.00	0.00	9.22	26.89								
6080	5.26	2.57	4.78	1.15	0.52	0.08	8.04	22.40								
6085	5.76	2.81	6.74	1.62	0.56	0.08	8.80	26.37								
6090	6.61	3.21	6.74	1.62	0.56	0.08	10.08	28.90								
6100	6.63	3.22	6.46	1.55	0.56	0.08	10.12	28.62								
6105	10.60	5.10	11.80	2.83	0.69	0.10	16.13	47.25								
6115	4.49	2.12	3.93	0.94	0.11	0.02	6.81	18.42								
6120	4.50	2.15	3.93	0.94	0.22	0.03	6.83	18.60								
6125	6.16	2.91	4.49	1.08	0.12	0.02	9.32	24.10								
6130	5.20	2.48	4.49	1.08	0.22	0.03	7.89	21.39								
6135	4.89	2.33	3.93	0.94	0.20	0.03	7.42	19.74								
6140	5.55	2.71	4.94	1.19	0.56	0.08	6.48	23.51								
6145	6.60	3.19	4.94	1.19	0.52	0.08	10.06	26.58								
6150	6.61	3.21	4.94	1.19	0.56	0.08	10.09	26.68								
6155	7.42	3.58	6.69	1.60	0.51	0.08	11.30	31.18								
6160	6.36	3.09	7.02	1.69	0.56	0.08	9.70	28.50								
6165	7.59	3.98	6.69	1.60	2.09	0.31	11.84	34.10								
6170	6.49	3.47	6.69	1.60	2.09	0.31	10.19	30.84								
6175	6.46	3.27	7.02	1.69	1.21	0.18	9.98	29.81								
6185	4.46	2.13	3.62	0.92	0.20	0.03	6.77	18.33								
6190	3.92	1.86	3.82	0.92	0.14	0.02	5.94	16.62								
6195	4.78	2.27	4.49	1.08	0.14	0.02	7.24	20.02								
6200	5.22	2.49	4.21	1.01	0.20	0.03	7.92	21.08								
6205	3.27	2.49	4.49	1.08	0.14	0.02	7.98	21.47								
6210	6.69	3.25	6.18	1.48	0.56	0.08	10.21	28.45								
6215	5.52	2.70	6.01	1.44	0.56	0.08	8.44	24.75								
6220	5.99	2.92	6.01	1.44	0.56	0.08	9.15	26.15								
6225	7.69	3.72	6.18	1.48	0.56	0.08	11.72	31.43								
6235	0.82	0.38	6.90	0.22	0.00	0.00	1.23	3.55								
6240	2.38	1.12	1.91	0.46	0.00	0.00	3.60	9.47								
6245	5.34	2.50	3.99	0.96	0.00	0.00	8.07	20.86								
6250	6.84	3.20	7.02	1.69	0.00	0.00	10.33	29.08								
6255	8.64	4.04	8.71	2.09	0.00	0.00	13.05	36.53								
6260	9.94	4.65	10.17	2.44	0.00	0.00	15.01	42.21								
6265	11.24	5.26	12.64	3.03	0.00	0.00	16.98	49.15								
6275	0.84	0.39	0.90	0.22	0.00	0.00	1.27	3.62								
6280	2.03	0.95	1.97	0.47	0.00	0.00	3.06	8.48								
6285	5.29	2.48	3.93	0.94	0.00	0.00	7.99	20.63								
6290	7.25	3.39	6.46	1.55	0.00	0.00	10.95	29.60								
6295	8.46	3.96	6.69	1.60	0.00	0.00	12.78	33.49								
6305	0.82	0.39	0.79	0.19	0.00	0.00	1.25	3.44								
6310	4.19	1.96	2.92	0.70	0.00	0.00	6.32	16.09								
6315	6.32	2.96	4.49	1.08	0.00	0.00	9.54	24.39								
6320	8.55	4.00	8.76	2.10	0.00	0.00	12.91	36.32								
6325	12.82	6.00	14.72	3.53	0.00	0.00	19.36	56.43								
6335	6.96	4.82	6.20	2.11	4.94	0.74	8.77	34.54	8.70	4.92	8.11	2.76	8.20	1.23	11.70	45.62
6340	14.90	9.37	12.24	3.31	11.67	1.75	13.83	67.07	18.63	9.57	16.09	4.34	19.38	2.91	18.72	89.64
6345	15.43	10.81	13.64	3.27	11.67	1.75	16.91	73.48	19.29	11.01	17.84	4.28	19.38	2.91	22.77	97.48
6350	19.13	10.93	17.65	4.41	8.99	1.35	18.76	81.22	23.91	11.17	22.90	5.72	15.61	2.34	25.25	106.90
6355	20.40	11.60	17.65	4.41	8.99	1.35	19.99	84.39	25.50	11.85	22.90	5.72	15.61	2.34	26.91	110.83
6360	24.32	14.10	16.69	4.51	10.08	1.51	22.10	93.31	30.40	14.40	21.94	5.92	16.74	2.51	29.92	121.83
6365	25.81	16.66	18.60	4.46	10.08	1.51	27.57	104.69	32.26	16.98	24.33	5.84	16.74	2.51	37.11	135.77
6370	30.55	17.36	27.65	6.91	13.37	2.01	29.93	127.78	38.19	17.73	35.87	8.97	23.22	3.48	40.29	167.75
6375	31.96	18.10	27.65	6.91	13.37	2.01	31.28	131.28	39.95	18.49	35.87	8.97	23.22	3.48	42.11	172.09

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	REPR	
6380	30.35	17.56	20.40	5.51	12.31	1.85	27.56	115.54	37.94	17.93	26.82	7.24	20.44	3.07	37.33	150.77
6385	31.74	18.28	20.40	5.51	12.31	1.85	26.79	118.88	39.68	18.67	26.82	7.24	20.44	3.07	38.99	154.91
6390	39.89	22.55	37.26	9.31	16.32	2.45	39.02	166.80	49.86	23.04	46.34	12.08	28.35	4.25	52.53	218.45
6400	6.12	3.99	6.61	2.25	2.65	0.40	7.57	29.59	7.66	4.07	8.65	2.94	4.40	0.66	10.09	38.47
6405	7.08	4.59	7.19	2.45	2.93	0.44	8.74	33.42	8.85	4.68	9.41	3.20	4.87	0.73	11.65	43.39
6410	9.10	6.05	9.59	2.30	4.37	0.66	9.88	42.04	11.49	6.17	12.54	3.01	7.26	1.09	13.30	54.86
6415	13.96	7.93	10.98	2.75	6.08	0.91	13.68	56.29	17.46	8.10	14.29	3.56	10.55	1.58	18.41	73.91
6420	15.59	10.10	13.39	3.21	6.35	0.95	16.67	66.26	19.48	10.29	17.52	4.20	10.54	1.58	22.44	86.05
6430	10.15	6.61	9.47	2.27	4.37	0.66	10.88	44.41	12.69	6.74	12.38	2.97	7.26	1.09	14.64	57.77
6435	14.77	8.58	12.06	3.26	6.29	0.94	13.43	59.33	18.46	8.77	15.85	4.28	10.45	1.50	18.19	77.57
6440	15.71	10.11	13.44	3.22	5.89	0.88	16.77	66.02	19.64	10.30	17.57	4.22	9.79	1.47	22.57	85.96
6445	18.09	10.39	19.45	4.86	8.99	1.35	17.76	80.89	22.61	10.61	25.24	6.31	15.61	2.34	23.91	106.63
6450	21.05	12.30	19.45	4.86	8.42	1.26	21.35	89.49	27.31	12.57	25.24	6.31	14.62	2.19	26.75	116.99
6455	7.33	4.72	6.95	2.36	2.79	0.42	9.03	33.60	9.16	4.81	9.08	3.09	4.64	0.70	12.04	43.52
6460	15.66	9.11	12.09	3.27	6.78	1.02	14.24	62.17	19.57	9.31	15.90	4.29	11.25	1.59	19.28	61.29
6470	16.68	10.70	20.04	5.01	8.99	1.35	18.33	83.10	23.35	10.93	26.00	6.50	15.61	2.34	24.66	109.41
6475	16.25	10.55	13.48	3.23	6.78	1.02	17.39	68.70	20.31	10.75	17.62	4.23	11.25	1.69	23.41	89.26
6480	21.05	12.01	20.04	5.01	9.68	1.45	20.64	89.88	26.31	12.27	26.00	6.50	16.81	2.52	27.79	118.20
6485	7.76	4.97	7.23	2.46	2.79	0.42	9.54	35.17	9.69	5.07	9.46	3.22	4.64	0.70	12.72	45.50
6495	10.32	6.71	10.33	2.48	4.37	0.66	11.05	45.92	12.90	6.84	13.51	3.24	7.26	1.09	14.87	59.71
6505	15.33	10.01	12.82	3.08	6.78	1.02	16.44	65.48	19.17	10.21	16.76	4.02	11.25	1.69	22.13	85.23
6510	25.10	14.95	17.62	4.76	13.40	2.01	22.96	100.80	31.38	15.27	23.16	6.25	22.27	3.34	31.10	132.77
6515	16.61	9.50	11.30	2.82	7.84	1.18	16.30	65.55	20.77	9.70	14.65	3.66	13.62	2.04	21.94	86.38
6520	21.97	12.49	20.39	5.10	9.68	1.45	21.52	92.60	27.46	12.76	26.46	6.61	16.81	2.52	28.97	121.59
6525	29.48	16.76	24.28	6.07	12.99	1.05	28.88	120.41	36.85	17.12	31.49	7.87	22.57	3.39	38.88	158.17
6530	32.96	19.07	28.12	7.03	17.78	2.67	32.43	140.06	41.21	19.48	36.48	9.12	30.88	4.63	43.66	185.46
6545	3.68	2.64	0.00	0.12	1.71	0.26	3.94	12.35	4.41	2.68	0.00	0.12	2.24	0.34	5.07	14.86
6550	4.66	3.49	0.00	0.12	2.90	0.43	5.05	16.65	5.59	3.55	0.00	0.12	3.79	0.57	6.50	20.12
6560	1.82	1.34	0.00	0.07	0.99	0.15	1.97	6.34	2.19	1.36	0.00	0.07	1.30	0.19	2.53	7.64
6570	2.30	1.53	2.82	0.90	0.00	0.00	4.48	12.03	2.87	1.56	3.72	1.19	0.00	0.00	6.11	15.45
6575	0.55	0.29	0.00	0.07	0.00	0.00	0.67	1.58	0.69	0.30	0.00	0.07	0.00	0.00	0.94	2.00
6580	2.87	1.92	3.26	1.04	0.00	0.00	5.60	14.69	3.59	1.95	4.29	1.37	0.00	0.00	7.63	18.83
6585	0.72	0.38	0.00	0.07	0.00	0.00	0.86	2.03	0.90	0.39	0.00	0.07	0.00	0.00	1.21	2.57
6590	0.56	0.29	0.00	0.07	0.00	0.00	0.67	1.59	0.70	0.30	0.00	0.07	0.00	0.00	0.94	2.01
6595	4.81	3.21	4.56	1.46	0.00	0.00	9.37	23.41	6.01	3.26	6.01	1.92	0.00	0.00	12.78	29.98
6600	0.89	0.47	0.00	0.07	0.00	0.00	1.07	2.50	1.11	0.48	0.00	0.07	0.00	0.00	1.50	3.16
6605	0.69	0.36	0.00	0.07	0.00	0.00	0.82	1.94	0.86	0.37	0.00	0.07	0.00	0.00	1.16	2.46
6610	6.57	4.38	6.08	1.95	0.00	0.00	12.79	31.77	8.21	4.45	8.01	2.56	0.00	0.00	17.45	40.68
6615	0.90	0.47	0.00	0.07	0.00	0.00	1.08	2.52	1.12	0.48	0.00	0.07	0.00	0.00	1.52	3.19
6620	1.02	0.54	0.00	0.07	0.00	0.00	1.22	2.85	1.27	0.55	0.00	0.07	0.00	0.00	1.72	3.61
6625	9.44	6.30	8.69	2.78	0.00	0.00	18.39	45.60	11.80	6.40	11.45	3.66	0.00	0.00	25.08	58.39
6630	1.45	0.76	0.00	0.07	0.00	0.00	1.74	4.02	1.81	0.78	0.00	0.07	0.00	0.00	2.44	5.10
6635	1.58	0.83	0.00	0.07	0.00	0.00	1.90	4.38	1.98	0.85	0.00	0.07	0.00	0.00	2.68	5.58
6640	1.26	0.66	0.00	0.07	0.00	0.00	1.52	3.51	1.58	0.68	0.00	0.07	0.00	0.00	2.13	4.46
6645	11.47	8.03	13.04	3.26	0.00	0.00	16.78	52.58	13.76	8.14	17.17	4.29	0.00	0.00	22.37	65.73
6650	2.11	1.11	0.00	0.07	0.00	0.00	2.54	5.83	2.64	1.14	0.00	0.07	0.00	0.00	3.57	7.42
6655	2.32	1.23	0.00	0.07	0.00	0.00	2.79	6.41	2.91	1.25	0.00	0.07	0.00	0.00	3.93	8.16
6660	1.79	0.94	0.00	0.07	0.00	0.00	2.15	4.95	2.23	0.96	0.00	0.07	0.00	0.00	3.02	6.28
6665	0.05	0.03	0.00	0.05	0.00	0.00	0.07	0.20	0.07	0.03	0.00	0.05	0.00	0.00	0.09	0.24
6670	16.62	11.96	19.99	4.40	0.00	0.00	22.47	75.44	19.39	12.09	26.33	5.79	0.00	0.00	29.13	92.73
6675	2.89	1.52	0.00	0.07	0.00	0.00	3.47	7.95	3.61	1.55	0.00	0.07	0.00	0.00	4.88	10.11
6680	2.25	1.19	0.00	0.07	0.00	0.00	2.70	6.21	2.81	1.21	0.00	0.07	0.00	0.00	3.80	7.89
6685	3.05	1.61	0.00	0.07	0.00	0.00	3.67	8.40	3.82	1.64	0.00	0.07	0.00	0.00	5.16	10.69
6690	2.54	1.34	0.00	0.07	0.00	0.00	3.05	7.00	3.18	1.37	0.00	0.07	0.00	0.00	4.29	8.91
6695	0.76	0.40	0.00	0.12	0.00	0.00	0.92	2.20	0.95	0.41	0.00	0.12	0.00	0.00	1.29	2.77

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	PEPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	PEPR	TOTAL RATE
6700	0.08	0.04	0.00	0.07	0.00	0.00	0.10	0.29	0.10	0.04	0.00	0.07	0.00	0.00	0.14	0.35
6705	26.04	20.19	30.42	6.69	0.00	0.00	37.92	123.26	32.72	20.40	40.07	8.81	0.00	0.00	49.15	151.15
6710	4.39	2.31	0.00	0.07	0.00	0.00	5.28	12.05	5.49	2.36	0.00	0.07	0.00	0.00	7.42	15.34
6715	4.83	2.55	0.00	0.07	0.00	0.00	5.81	13.26	6.04	2.60	0.00	0.07	0.00	0.00	8.17	16.88
6720	0.09	0.05	0.00	0.07	0.00	0.00	0.11	0.32	0.12	0.05	0.00	0.07	0.00	0.00	0.16	0.40
6725	1.35	0.71	0.00	0.07	0.00	0.00	1.62	3.75	1.68	0.73	0.00	0.07	0.00	0.00	2.28	4.76
6730	3.51	2.34	3.82	1.22	0.00	0.00	6.84	17.73	4.39	2.38	5.04	1.61	0.00	0.00	9.33	22.75
6740	0.61	0.32	0.00	0.07	0.00	0.00	0.73	1.73	0.76	0.33	0.00	0.07	0.00	0.00	1.03	2.19
6745	0.61	0.32	0.00	0.05	0.00	0.00	0.73	1.71	0.76	0.33	0.00	0.05	0.00	0.00	1.03	2.17
6750	4.70	3.13	5.39	1.70	0.00	0.00	9.15	23.98	5.87	3.19	6.98	2.23	0.00	0.00	12.48	30.75
6755	0.68	0.36	0.00	0.07	0.00	0.00	0.81	1.92	0.85	0.36	0.00	0.07	0.00	0.00	1.14	2.42
6760	0.83	0.44	0.00	0.05	0.00	0.00	1.00	2.32	1.03	0.45	0.00	0.05	0.00	0.00	1.40	2.93
6765	6.58	4.39	6.52	2.09	0.00	0.00	12.82	32.40	8.23	4.46	8.59	2.75	0.00	0.00	17.49	41.52
6770	1.04	0.55	0.00	0.07	0.00	0.00	1.24	2.90	1.29	0.56	0.00	0.07	0.00	0.00	1.75	3.67
6775	1.03	0.54	0.00	0.05	0.00	0.00	1.24	2.86	1.29	0.56	0.00	0.05	0.00	0.00	1.75	3.65
6780	8.39	5.60	9.69	3.10	0.00	0.00	16.35	43.13	10.49	5.69	12.76	4.08	0.00	0.00	22.29	55.31
6785	1.10	0.58	0.00	0.07	0.00	0.00	1.32	3.07	1.38	0.59	0.00	0.07	0.00	0.00	1.86	3.90
6790	1.16	0.61	0.00	0.07	0.00	0.00	1.39	3.23	1.45	0.62	0.00	0.07	0.00	0.00	1.95	4.09
6795	1.57	0.83	0.00	0.05	0.00	0.00	1.89	4.34	1.96	0.85	0.00	0.05	0.00	0.00	2.66	5.52
6800	11.35	7.95	13.04	3.26	0.00	0.00	16.61	52.21	13.62	8.06	17.17	4.29	0.00	0.00	22.15	65.29
6805	2.19	1.15	0.00	0.05	0.00	0.00	2.63	6.02	2.73	1.18	0.00	0.05	0.00	0.00	3.69	7.65
6810	2.22	1.17	0.00	0.05	0.00	0.00	2.67	6.11	2.78	1.20	0.00	0.05	0.00	0.00	3.75	7.78
6815	15.61	10.94	18.47	4.62	0.00	0.00	22.85	72.49	18.74	11.08	24.33	6.08	0.00	0.00	30.46	90.69
6820	3.29	1.73	0.00	0.05	0.00	0.00	3.96	9.03	4.11	1.77	0.00	0.05	0.00	0.00	5.56	11.49
6825	3.37	1.78	0.00	0.05	0.00	0.00	4.05	9.25	4.21	1.81	0.00	0.05	0.00	0.00	5.70	11.77
6830	2.11	1.11	0.00	0.07	0.00	0.00	2.54	5.83	2.64	1.14	0.00	0.07	0.00	0.00	3.57	7.42
6835	21.00	15.12	22.77	5.01	0.00	0.00	28.39	92.29	24.50	15.27	29.99	6.60	0.00	0.00	36.80	113.16
6840	3.80	2.00	0.00	0.05	0.00	0.00	4.57	10.42	4.75	2.05	0.00	0.05	0.00	0.00	6.43	13.28
6845	4.34	2.29	0.00	0.05	0.00	0.00	5.22	11.90	5.43	2.34	0.00	0.05	0.00	0.00	7.34	15.16
6850	2.43	1.28	0.00	0.07	0.00	0.00	2.92	6.70	3.03	1.31	0.00	0.07	0.00	0.00	4.10	8.51
6860	3.03	2.02	2.82	0.90	0.00	0.00	5.91	14.68	3.79	2.06	3.72	1.19	0.00	0.00	8.05	18.81
6865	3.76	2.51	3.39	1.08	0.00	0.00	7.34	18.08	4.71	2.55	4.46	1.43	0.00	0.00	10.00	23.15
6870	5.21	3.48	4.78	1.53	0.00	0.00	10.15	25.15	6.51	3.54	6.30	2.01	0.00	0.00	13.85	32.21
6875	6.24	4.17	6.08	1.95	0.00	0.00	12.17	30.61	7.81	4.24	8.01	2.56	0.00	0.00	16.59	39.21
6880	0.84	0.44	0.00	0.05	0.00	0.00	1.01	2.34	1.05	0.45	0.00	0.05	0.00	0.00	1.43	2.98
6885	0.95	0.50	0.00	0.05	0.00	0.00	1.14	2.64	1.19	0.51	0.00	0.05	0.00	0.00	1.61	3.36
6890	9.40	6.27	9.13	2.92	0.00	0.00	18.31	46.03	11.75	6.37	12.02	3.85	0.00	0.00	24.97	58.96
6895	1.50	0.79	0.00	0.05	0.00	0.00	1.80	4.14	1.87	0.81	0.00	0.05	0.00	0.00	2.53	5.26
6900	1.01	0.53	0.00	0.05	0.00	0.00	1.21	2.80	1.26	0.54	0.00	0.05	0.00	0.00	1.70	3.55
6905	11.19	7.84	13.47	3.37	0.00	0.00	16.37	52.24	13.43	7.94	17.74	4.44	0.00	0.00	21.83	65.38
6910	1.84	0.97	0.00	0.05	0.00	0.00	2.21	5.07	2.30	0.99	0.00	0.05	0.00	0.00	3.10	6.44
6915	1.51	0.80	0.00	0.05	0.00	0.00	1.82	4.18	1.89	0.81	0.00	0.05	0.00	0.00	2.56	5.31
6920	0.64	0.34	0.00	0.07	0.00	0.00	0.77	1.82	0.80	0.34	0.00	0.07	0.00	0.00	1.08	2.29
6925	0.37	0.20	0.00	0.12	0.00	0.00	0.44	1.13	0.46	0.20	0.00	0.12	0.00	0.00	0.63	1.41
6930	0.06	0.03	0.00	0.07	0.00	0.00	0.07	0.23	0.07	0.03	0.00	0.07	0.00	0.00	0.10	0.27
6940	2.01	1.34	1.83	0.58	0.00	0.00	3.91	9.67	2.51	1.36	2.40	0.77	0.00	0.00	5.33	12.37
6945	2.80	1.86	2.82	0.90	0.00	0.00	5.45	13.83	3.49	1.90	3.72	1.19	0.00	0.00	7.43	17.73
6950	3.34	2.23	3.13	1.00	0.00	0.00	6.51	16.21	4.18	2.27	4.12	1.32	0.00	0.00	8.88	20.77
6960	2.28	1.52	2.74	0.88	0.00	0.00	4.43	11.85	2.84	1.54	3.61	1.15	0.00	0.00	6.05	15.19
6965	0.44	0.23	0.00	0.05	0.00	0.00	0.52	1.24	0.54	0.23	0.00	0.05	0.00	0.00	0.74	1.56
6970	3.42	2.28	3.91	1.25	0.00	0.00	6.66	17.52	4.27	2.32	5.15	1.65	0.00	0.00	9.08	22.47
6975	0.31	0.16	0.00	0.05	0.00	0.00	0.37	0.89	0.39	0.17	0.00	0.05	0.00	0.00	0.52	1.13
6980	5.00	3.34	5.13	1.64	0.00	0.00	9.74	24.85	6.25	3.39	6.75	2.16	0.00	0.00	13.29	31.84
6985	0.52	0.27	0.00	0.05	0.00	0.00	0.62	1.46	0.64	0.28	0.00	0.05	0.00	0.00	0.87	1.84
6990	7.08	4.72	6.74	2.16	0.00	0.00	13.80	34.50	8.85	4.80	8.87	2.84	0.00	0.00	18.82	44.18

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
6995	0.67	0.35	0.00	0.05	0.00	0.00	0.81	1.88	0.84	0.36	0.00	0.05	0.00	0.00	1.14	2.39
7000	8.94	5.96	9.56	3.06	0.00	0.00	17.41	44.93	11.17	6.06	12.59	4.03	0.00	0.00	23.74	57.59
7005	1.05	0.55	0.00	0.05	0.00	0.00	1.26	2.91	1.31	0.57	0.00	0.05	0.00	0.00	1.78	3.71
7010	1.12	0.59	0.00	0.05	0.00	0.00	1.35	3.11	1.40	0.60	0.00	0.05	0.00	0.00	1.90	3.95
7015	11.63	8.15	13.91	3.48	0.00	0.00	17.01	54.18	13.95	8.25	18.32	4.58	0.00	0.00	22.68	67.78
7020	1.44	0.76	0.00	0.05	0.00	0.00	1.73	3.98	1.30	0.73	0.00	0.05	0.00	0.00	2.44	5.07
7025	1.52	0.80	0.00	0.05	0.00	0.00	1.83	4.20	1.30	0.82	0.00	0.05	0.00	0.00	2.57	5.34
7030	15.65	10.97	17.82	4.45	0.00	0.00	22.91	71.80	18.79	11.11	23.47	5.87	0.00	0.00	30.54	89.78
7035	1.96	1.03	0.00	0.05	0.00	0.00	2.35	5.39	2.45	1.05	0.00	0.05	0.00	0.00	3.31	6.66
7040	1.78	0.94	0.00	0.05	0.00	0.00	2.14	4.91	2.23	0.96	0.00	0.05	0.00	0.00	3.01	6.25
7045	25.73	18.52	26.95	5.93	0.00	0.00	34.78	111.91	30.01	18.71	35.49	7.81	0.00	0.00	45.09	137.11
7050	4.75	2.50	0.00	0.05	0.00	0.00	5.71	13.01	5.94	2.56	0.00	0.05	0.00	0.00	8.03	16.58
7055	4.47	2.35	0.00	0.05	0.00	0.00	5.37	12.24	5.58	2.40	0.00	0.05	0.00	0.00	7.55	15.50
7060	4.18	2.20	0.00	0.05	0.00	0.00	5.02	11.45	5.23	2.25	0.00	0.05	0.00	0.00	7.07	14.60
7070	9.70	6.47	8.91	2.65	0.00	0.00	18.90	46.83	12.12	6.58	11.73	3.75	0.00	0.00	25.77	59.95
7075	1.06	0.56	0.00	0.05	0.00	0.00	1.28	2.95	1.33	0.57	0.00	0.05	0.00	0.00	1.80	3.75
7080	1.19	0.63	0.00	0.05	0.00	0.00	1.43	3.30	1.49	0.64	0.00	0.05	0.00	0.00	2.01	4.19
7085	1.22	0.64	0.00	0.05	0.00	0.00	1.46	3.37	1.52	0.66	0.00	0.05	0.00	0.00	2.06	4.29
7090	10.15	7.11	11.30	2.82	0.00	0.00	14.84	46.22	12.17	7.20	14.88	3.72	0.00	0.00	19.79	57.76
7095	1.50	0.79	0.00	0.05	0.00	0.00	1.80	4.14	1.88	0.81	0.00	0.05	0.00	0.00	2.54	5.28
7100	1.97	1.04	0.00	0.05	0.00	0.00	2.37	5.43	2.46	1.06	0.00	0.05	0.00	0.00	3.33	6.90
7105	1.70	0.90	0.00	0.05	0.00	0.00	2.05	4.70	2.13	0.92	0.00	0.05	0.00	0.00	2.88	5.98
7110	0.49	0.26	0.00	0.11	0.00	0.00	0.59	1.45	0.62	0.27	0.00	0.11	0.00	0.00	0.83	1.83
7115	14.44	10.12	16.08	4.02	0.00	0.00	21.13	65.79	17.33	10.25	21.18	5.29	0.00	0.00	28.17	82.22
7120	1.96	1.03	0.00	0.05	0.00	0.00	2.36	5.40	2.45	1.06	0.00	0.05	0.00	0.00	3.31	6.87
7125	2.15	1.13	0.00	0.05	0.00	0.00	2.58	5.91	2.69	1.16	0.00	0.05	0.00	0.00	3.63	7.53
7130	1.90	1.00	0.00	0.05	0.00	0.00	2.28	5.23	2.38	1.02	0.00	0.05	0.00	0.00	3.21	6.66
7135	0.08	0.04	0.00	0.05	0.00	0.00	0.10	0.27	0.10	0.04	0.00	0.05	0.00	0.00	0.13	0.32
7140	0.46	0.24	0.00	0.10	0.00	0.00	0.55	1.35	0.57	0.25	0.00	0.10	0.00	0.00	0.77	1.69
7150	9.33	5.82	8.46	2.37	2.85	0.43	8.83	38.09	11.66	5.94	11.13	3.12	5.97	0.89	11.96	50.67
7155	13.90	8.98	12.49	3.50	6.26	0.94	13.30	59.37	17.38	9.15	16.43	4.60	13.12	1.97	18.01	80.66
7156	15.06	9.77	11.04	3.09	7.06	1.06	14.43	61.51	18.83	9.96	14.52	4.07	14.80	2.22	19.54	83.94
7170	24.42	15.90	19.05	5.33	8.47	1.27	23.42	97.86	30.53	16.21	25.07	7.02	17.76	2.66	31.72	130.97
7180	0.97	0.59	1.73	0.48	0.20	0.03	0.91	4.91	1.21	0.60	2.28	0.64	0.41	0.06	1.23	6.43
7185	1.09	0.66	2.01	0.56	0.18	0.03	1.03	5.56	1.37	0.68	2.65	0.74	0.37	0.06	1.39	7.26
7190	1.48	0.89	2.50	0.70	0.22	0.03	1.39	7.21	1.85	0.91	3.29	0.92	0.45	0.07	1.88	5.37
7200	0.19	0.13	0.74	0.24	0.03	0.00	0.32	1.65	0.24	0.13	0.97	0.31	0.04	0.01	0.44	2.14
7205	0.90	0.57	1.40	0.45	0.05	0.01	1.45	4.83	1.12	0.58	1.83	0.58	0.08	0.01	2.02	6.22
7210	1.03	0.65	2.31	0.74	0.04	0.01	1.67	6.45	1.29	0.66	3.01	0.96	0.06	0.01	2.33	8.32
7215	2.24	1.43	2.58	0.72	0.18	0.03	3.65	10.83	2.81	1.45	3.39	0.95	0.25	0.04	5.07	13.96
7220	4.79	3.10	4.23	1.18	0.58	0.09	7.84	21.81	5.99	3.15	5.56	1.56	0.82	0.12	10.89	28.09
7230	8.15	5.02	4.03	1.13	0.00	0.00	13.14	31.47	10.18	5.11	5.30	1.48	0.00	0.00	18.24	40.31
7235	11.79	7.27	7.05	1.97	0.00	0.00	19.02	47.10	14.74	7.40	9.27	2.60	0.00	0.00	26.41	60.42
7245	9.23	5.69	3.38	0.95	0.00	0.00	14.88	34.13	11.54	5.79	4.45	1.25	0.00	0.00	20.67	43.70
7250	16.05	9.89	7.05	1.97	0.00	0.00	25.88	60.84	20.06	10.07	9.27	2.60	0.00	0.00	35.94	77.94
7265	0.56	0.28	2.94	0.94	0.11	0.02	0.63	5.48	0.75	0.29	3.92	1.26	0.14	0.02	0.96	7.34
7270	0.71	0.35	2.94	0.94	0.13	0.02	0.79	5.88	0.94	0.36	3.92	1.26	0.18	0.03	1.20	7.89
7275	0.58	0.30	2.94	0.94	0.19	0.03	0.66	5.64	0.78	0.31	3.92	1.26	0.24	0.04	1.00	7.55
7280	0.71	0.36	2.94	0.94	0.23	0.04	0.80	6.02	0.95	0.37	3.92	1.26	0.31	0.05	1.22	8.08
7285	0.64	0.34	2.94	0.94	0.32	0.05	0.73	5.96	0.86	0.35	3.92	1.26	0.40	0.06	1.12	7.97
7290	1.18	0.62	6.74	2.16	0.40	0.06	1.15	12.31	1.58	0.64	8.66	2.77	0.51	0.08	1.79	16.03
7295	1.68	0.86	3.89	1.09	0.40	0.06	1.62	9.60	2.24	0.89	5.05	1.42	0.51	0.08	2.52	12.71
7300	1.39	0.72	7.74	2.48	0.40	0.06	1.34	14.13	1.85	0.74	9.96	3.19	0.51	0.08	2.09	18.42
7305	1.92	0.97	3.89	1.09	0.40	0.06	1.84	10.17	2.56	1.00	5.05	1.42	0.51	0.08	2.87	13.49
7310	1.55	0.81	7.74	2.48	0.49	0.07	1.51	14.65	2.07	0.83	9.96	3.19	0.62	0.09	2.34	19.10

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7315	1.93	1.03	3.89	1.09	0.84	0.13	1.89	10.80	2.57	1.07	5.05	1.42	1.07	0.16	2.93	14.27
7320	2.35	1.23	14.49	4.64	0.85	0.13	2.28	25.97	3.13	1.27	18.68	5.98	1.10	0.16	3.55	33.67
7325	3.28	1.70	6.30	1.76	1.02	0.15	3.17	17.38	4.37	1.75	8.19	2.29	1.31	0.20	4.94	23.05
7330	3.40	1.78	6.30	1.76	1.14	0.17	3.30	17.85	4.53	1.84	8.19	2.29	1.46	0.22	5.13	23.66
7335	3.19	1.68	6.30	1.76	1.14	0.17	3.11	17.35	4.26	1.74	8.19	2.29	1.46	0.22	4.83	22.99
7340	3.78	1.96	6.30	1.76	1.14	0.17	3.67	18.78	5.04	2.03	8.19	2.29	1.46	0.22	5.70	24.93
7345	4.86	2.58	8.60	2.41	1.99	0.30	4.74	25.48	6.48	2.67	11.19	3.13	2.58	0.39	7.38	33.82
7350	5.16	2.74	8.60	2.41	2.09	0.31	5.04	26.35	6.38	2.83	11.19	3.13	2.69	0.40	7.83	34.95
7355	4.86	2.60	8.60	2.41	2.09	0.31	4.75	25.62	6.48	2.68	11.19	3.13	2.69	0.40	7.40	33.97
7360	4.83	2.56	10.30	2.68	1.91	0.29	4.71	27.48	6.45	2.65	13.38	3.75	2.46	0.37	7.33	36.39
7370	0.59	0.30	3.09	0.99	0.15	0.02	0.67	5.81	0.79	0.31	4.12	1.32	0.18	0.03	1.01	7.76
7375	0.75	0.37	3.09	0.99	0.15	0.02	0.83	6.20	0.99	0.38	4.12	1.32	0.18	0.03	1.27	8.29
7380	0.65	0.42	3.09	0.99	0.15	0.02	0.94	6.46	1.13	0.43	4.12	1.32	0.20	0.03	1.44	8.67
7385	0.70	0.35	3.09	0.99	0.16	0.02	0.78	6.09	0.93	0.36	4.12	1.32	0.19	0.03	1.20	8.15
7390	0.81	0.40	3.09	0.99	0.18	0.03	0.90	6.40	1.08	0.42	4.12	1.32	0.24	0.04	1.38	8.60
7395	0.65	0.33	3.00	0.96	0.18	0.03	0.73	5.88	0.87	0.34	4.00	1.28	0.22	0.03	1.12	7.86
7400	1.01	0.52	7.04	2.25	0.29	0.04	0.98	12.13	1.35	0.54	9.06	2.90	0.36	0.05	1.52	15.78
7405	1.12	0.59	7.04	2.25	0.40	0.06	1.09	12.55	1.49	0.61	9.06	2.90	0.51	0.08	1.69	16.34
7410	1.59	0.61	3.96	1.11	0.40	0.06	1.53	9.46	2.12	0.84	5.15	1.44	0.51	0.08	2.39	12.53
7415	1.21	0.64	7.83	2.51	0.49	0.07	1.18	13.93	1.61	0.67	10.07	3.22	0.62	0.09	1.93	18.11
7420	2.15	1.11	4.44	1.24	0.63	0.09	2.08	11.74	2.87	1.15	5.77	1.62	0.80	0.12	3.24	15.57
7425	2.22	1.21	12.67	4.06	1.10	0.17	2.18	23.61	2.96	1.25	16.33	5.23	1.42	0.21	3.39	30.79
7430	2.65	1.41	7.38	2.07	1.10	0.17	2.59	17.37	3.53	1.46	9.59	2.69	1.42	0.21	4.02	22.92
7435	3.01	1.60	8.46	2.37	1.21	0.18	2.94	19.77	4.01	1.65	11.00	3.08	1.54	0.23	4.57	26.08
7440	3.20	1.67	7.56	2.12	1.10	0.17	3.10	18.92	4.26	1.73	9.83	2.75	1.42	0.21	4.83	25.03
7445	3.51	1.84	5.52	1.55	1.20	0.18	3.41	17.21	4.68	1.90	7.18	2.01	1.51	0.23	5.31	22.82
7450	4.50	2.29	12.06	3.38	1.10	0.17	4.33	27.83	6.00	2.37	15.68	4.39	1.42	0.21	6.74	36.81
7455	5.27	2.68	11.05	3.09	1.23	0.18	5.08	28.58	7.03	2.77	14.37	4.02	1.58	0.24	7.90	37.91
7460	4.78	2.43	11.05	3.09	1.10	0.17	4.60	27.22	6.37	2.50	14.37	4.02	1.42	0.21	7.15	36.04
7470	0.65	0.33	1.82	0.58	0.15	0.02	0.73	4.28	0.87	0.34	2.42	0.78	0.20	0.03	1.11	5.75
7475	0.95	0.49	6.43	2.06	0.29	0.04	0.92	11.18	1.27	0.51	8.27	2.65	0.36	0.05	1.43	14.54
7480	0.99	0.51	6.43	2.08	0.29	0.04	0.95	11.27	1.32	0.53	8.27	2.65	0.36	0.05	1.49	14.67
7485	1.42	0.72	3.96	1.11	0.29	0.04	1.36	8.90	1.89	0.74	5.15	1.44	0.36	0.05	2.12	11.75
7490	1.05	0.54	8.27	2.65	0.29	0.04	1.02	13.86	1.40	0.56	10.63	3.40	0.36	0.05	1.58	17.98
7495	1.60	0.82	4.32	1.21	0.40	0.06	1.54	9.95	2.13	0.84	5.62	1.57	0.51	0.08	2.40	13.15
7500	1.21	0.64	8.31	2.66	0.40	0.06	1.18	14.46	1.62	0.66	10.69	3.42	0.51	0.08	1.83	18.81
7505	2.10	1.06	5.04	1.41	0.40	0.06	2.01	12.08	2.80	1.09	6.55	1.83	0.51	0.08	3.13	15.99
7510	3.38	1.75	7.56	2.12	1.10	0.17	3.27	19.36	4.50	1.81	9.83	2.75	1.42	0.21	5.09	25.61
7515	4.11	2.11	6.28	2.32	1.10	0.17	3.97	22.06	5.48	2.18	10.76	3.01	1.42	0.21	6.17	29.23
7520	4.34	2.22	10.44	2.92	1.10	0.17	4.19	25.38	5.79	2.29	13.57	3.80	1.42	0.21	6.51	33.59
7525	4.19	2.15	8.10	2.27	1.10	0.17	4.04	22.02	5.59	2.21	10.53	2.95	1.42	0.21	6.29	29.20
7530	4.53	2.31	10.44	2.92	1.10	0.17	4.36	25.83	6.03	2.38	13.57	3.80	1.42	0.21	6.78	34.19
7540	5.63	2.84	10.44	2.92	1.17	0.18	5.41	28.59	7.51	2.93	13.57	3.80	1.51	0.23	8.42	37.97
7545	5.74	2.89	10.44	2.92	1.17	0.18	5.52	28.86	7.66	2.99	13.57	3.80	1.51	0.23	8.58	38.34
7550	6.37	3.19	10.44	2.92	1.17	0.18	6.11	30.38	8.50	3.30	13.57	3.80	1.51	0.23	9.50	40.41
7560	5.36	2.74	9.00	2.52	1.35	0.20	5.17	26.34	7.14	2.83	11.70	3.28	1.73	0.26	8.04	34.98
7565	6.01	3.02	12.60	3.53	1.17	0.18	5.77	32.28	8.01	3.12	16.38	4.59	1.51	0.23	8.97	42.81
7570	6.52	3.26	12.60	3.53	1.17	0.18	6.25	33.51	8.69	3.37	16.38	4.59	1.51	0.23	9.72	44.49
7575	6.78	3.39	12.60	3.53	1.17	0.18	6.50	34.15	9.04	3.50	16.38	4.59	1.51	0.23	10.11	45.36
7580	9.26	4.57	12.60	3.53	1.17	0.18	8.84	40.15	12.35	4.71	16.38	4.59	1.51	0.23	13.75	53.52
7590	2.11	0.89	0.00	0.09	0.00	0.00	2.10	5.19								
7595	2.56	1.08	0.00	0.09	0.00	0.00	2.55	6.28								
7600	3.97	1.68	0.00	0.09	0.00	0.00	3.96	9.70								
7605	4.96	2.10	0.00	0.09	0.00	0.00	4.95	12.10								
7610	5.65	2.39	0.00	0.09	0.00	0.00	5.63	13.76								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7620	0.53	0.23	0.00	0.08	0.00	0.00	0.53	1.37	0.71	0.23	0.00	0.08	0.00	0.00	0.81	1.83
7625	0.84	0.36	0.00	0.08	0.00	0.00	0.84	2.12	1.12	0.37	0.00	0.08	0.00	0.00	1.28	2.85
7630	0.85	0.36	0.00	0.08	0.00	0.00	0.85	2.14	1.13	0.37	0.00	0.08	0.00	0.00	1.29	2.87
7635	0.86	0.36	0.00	0.08	0.00	0.00	0.86	2.16	1.15	0.38	0.00	0.08	0.00	0.00	1.31	2.92
7645	0.17	0.07	0.00	0.00	0.00	0.00	0.17	0.41								
7650	0.18	0.07	0.00	0.00	0.00	0.00	0.18	0.43								
7655	0.19	0.08	0.00	0.00	0.00	0.00	0.19	0.46								
7660	0.23	0.10	0.00	0.00	0.00	0.00	0.23	0.56								
7665	0.25	0.11	0.00	0.00	0.00	0.00	0.25	0.61								
7670	0.24	0.10	0.00	0.00	0.00	0.00	0.24	0.58								
7675	0.07	0.03	0.00	0.00	0.00	0.00	0.07	0.17								
7685	0.19	0.08	0.00	0.08	0.00	0.00	0.19	0.54								
7690	0.24	0.10	0.00	0.08	0.00	0.00	0.24	0.66								
7695	0.66	0.28	0.00	0.03	0.00	0.00	0.65	1.67								
7700	0.73	0.31	0.00	0.08	0.00	0.00	0.73	1.85								
7710	2.32	0.98	0.00	0.12	0.00	0.00	2.31	5.73								
7715	2.36	1.00	0.00	0.12	0.00	0.00	2.35	5.83								
7720	2.38	1.01	0.00	0.12	0.00	0.00	2.37	5.88								
7725	2.41	1.02	0.00	0.12	0.00	0.00	2.41	5.96								
7735	1.03	0.44	0.00	0.00	0.00	0.00	1.03	2.50								
7740	1.09	0.46	0.00	0.00	0.00	0.00	1.08	2.63								
7745	1.15	0.49	0.00	0.00	0.00	0.00	1.15	2.79								
7755	1.81	1.04	0.00	0.08	0.54	0.08	1.58	5.13	2.26	1.07	0.00	0.08	0.65	0.10	2.31	6.47
7760	2.10	1.20	0.00	0.08	0.58	0.09	1.83	5.88	2.62	1.23	0.00	0.08	0.70	0.11	2.68	7.42
7765	2.07	1.19	0.00	0.08	0.58	0.09	1.81	5.82	2.59	1.21	0.00	0.08	0.70	0.11	2.64	7.33
7770	2.65	1.50	0.00	0.08	0.67	0.10	2.31	7.31	3.31	1.54	0.00	0.08	0.81	0.12	3.37	9.23
7775	2.62	1.57	0.00	0.08	1.11	0.17	2.32	7.87	3.28	1.61	0.00	0.08	1.33	0.20	3.39	9.89
7780	5.75	3.34	0.00	0.08	1.85	0.28	5.05	16.35	7.19	3.41	0.00	0.08	2.23	0.33	7.36	20.60
7785	6.04	3.73	0.00	0.08	3.08	0.46	5.38	18.77	7.55	3.81	0.00	0.08	3.71	0.56	7.85	23.56
7795	2.19	1.24	0.00	0.08	0.54	0.08	1.91	6.04	2.74	1.27	0.00	0.08	0.65	0.10	2.78	7.62
7805	1.01	0.86	0.00	0.08	0.44	0.07	0.98	3.44								
7810	1.15	0.98	0.00	0.08	0.49	0.07	1.11	3.88								
7815	1.42	1.19	0.00	0.08	0.54	0.08	1.36	4.67								
7820	1.40	1.21	0.00	0.12	0.66	0.10	1.36	4.85								
7825	1.46	1.27	0.00	0.12	0.74	0.11	1.43	5.13								
7830	1.59	1.39	0.00	0.12	0.82	0.12	1.56	5.60								
7835	1.51	1.53	0.00	0.12	1.54	0.23	1.58	6.51								
7840	2.19	2.03	0.00	0.12	1.54	0.23	2.20	8.31								
7845	2.25	2.07	0.00	0.12	1.54	0.23	2.25	8.46								
7850	2.91	2.42	0.00	0.16	1.09	0.16	2.78	9.52								
7855	2.95	2.67	0.00	0.16	1.88	0.28	2.93	10.87								
7860	3.26	2.95	0.00	0.16	2.06	0.31	3.24	11.98								
7865	3.82	3.35	0.00	0.16	2.02	0.30	3.74	13.39								
7870	0.75	0.70	0.00	0.08	0.54	0.08	0.76	2.91								
7880	0.69	0.65	0.00	0.08	0.54	0.08	0.70	2.74								
7890	0.91	0.81	0.00	0.10	0.54	0.08	0.90	3.34								
7895	0.92	0.82	0.00	0.10	0.54	0.08	0.91	3.37								
7905	0.45	0.42	0.00	0.09	0.34	0.05	0.45	1.80								
7910	0.46	0.43	0.00	0.09	0.34	0.05	0.47	1.84								
7915	0.50	0.49	0.00	0.09	0.46	0.07	0.52	2.13								
7925	1.72	1.11	2.54	0.71	0.21	0.03	1.24	7.56								
7930	1.72	1.17	2.54	0.71	0.42	0.06	1.25	7.87								
7935	1.80	1.22	2.54	0.71	0.42	0.06	1.31	8.06								
7945	15.79	10.51	11.45	3.78	6.59	0.99	13.89	63.00	18.95	10.67	14.79	4.88	10.98	1.65	19.44	81.36
7950	22.02	14.77	16.54	5.46	10.04	1.51	19.40	89.74	26.43	14.98	21.36	7.05	16.74	2.51	27.17	116.24

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7955	29.66	20.55	22.13	7.30	13.42	2.01	26.35	121.44	35.61	20.85	28.59	9.43	22.37	3.36	36.89	157.10
7960	13.77	9.27	11.45	3.78	6.59	0.99	12.15	58.00	16.53	9.41	14.79	4.88	10.98	1.65	17.01	75.25
7965	20.09	13.90	16.54	5.46	12.66	1.90	17.84	88.39	24.11	14.11	21.36	7.05	21.10	3.17	24.98	115.88
7975	10.74	7.56	5.98	1.97	6.33	0.95	9.57	43.10	12.88	7.67	7.72	2.55	10.18	1.53	13.40	55.93
7980	12.82	8.53	6.49	2.14	4.32	0.65	11.28	46.23	15.38	8.66	8.38	2.77	6.94	1.04	15.79	58.96
7985	12.91	8.91	6.49	2.14	6.44	0.97	11.45	49.31	15.49	9.04	8.38	2.77	10.35	1.55	16.04	63.62
7990	21.79	14.89	11.45	3.78	9.88	1.48	19.29	82.56	26.14	15.11	14.79	4.88	15.89	2.38	27.00	106.19
8000	9.75	6.53	5.44	1.80	3.15	0.47	8.59	35.73	11.70	6.63	7.03	2.32	5.25	0.79	12.03	45.75
8005	15.02	9.96	10.94	3.61	5.96	0.89	13.20	59.58	18.03	10.11	14.13	4.66	9.94	1.49	18.49	76.65
8010	19.73	13.30	14.65	4.84	10.04	1.51	17.43	81.56	23.68	13.56	18.93	6.25	16.74	2.51	24.40	106.07
8015	25.70	17.86	16.43	5.42	12.03	1.80	22.84	102.08	30.83	18.12	21.23	7.01	20.06	3.01	31.98	132.24
8020	26.02	18.30	18.98	6.26	13.42	2.01	23.20	108.19	31.23	18.57	24.51	8.09	22.37	3.36	32.48	140.61
8030	20.96	13.85	14.76	4.87	9.13	1.37	18.40	83.34	25.15	14.06	19.06	6.29	15.66	2.35	25.76	108.33
8040	8.13	5.69	5.47	1.80	5.62	0.84	7.24	34.79	9.76	5.77	7.06	2.33	9.37	1.41	10.13	45.83
8045	12.23	8.21	8.17	2.69	5.68	0.85	10.78	46.61	14.67	8.33	10.55	3.48	9.46	1.42	15.09	63.00
8050	15.03	10.41	12.54	4.14	9.56	1.43	13.35	66.46	18.03	10.56	16.20	5.35	15.93	2.39	18.69	87.15
8055	20.36	14.07	15.87	5.24	12.66	1.90	18.07	85.17	24.43	14.27	20.50	6.77	21.10	3.17	25.30	115.54
8060	27.61	19.27	21.37	7.05	13.42	2.01	24.57	115.30	33.13	19.56	27.60	9.11	22.37	3.36	34.39	149.52
8070	15.83	10.54	10.68	3.53	6.59	0.99	13.93	62.09	19.00	10.69	13.80	4.55	10.98	1.65	19.50	80.17
8075	21.69	14.68	14.65	4.84	10.04	1.51	19.29	86.90	26.27	14.90	18.93	6.25	16.74	2.51	27.00	112.60
8080	23.71	16.13	14.65	4.84	12.66	1.90	20.97	94.86	28.46	16.36	18.93	6.25	21.10	3.17	29.35	123.62
8085	26.34	17.83	16.92	5.58	13.44	2.02	23.26	105.39	31.60	18.10	21.85	7.21	22.40	3.36	32.56	137.08
8090	29.96	20.72	20.81	6.87	13.42	2.01	25.60	126.39	35.95	21.02	26.88	8.87	22.37	3.36	37.24	155.69
8100	5.29	5.25	6.04	1.69	2.25	0.34	6.15	27.01	6.35	5.30	7.95	2.23	3.03	0.46	8.00	33.32
8105	9.36	9.43	13.29	3.72	4.53	0.68	10.96	51.97	11.24	9.53	17.49	4.90	6.10	0.91	14.25	64.42
8110	12.78	13.03	18.13	5.08	6.73	1.01	15.03	71.79	15.33	13.16	23.85	6.68	9.07	1.36	19.55	89.00
8115	13.14	13.35	18.13	5.08	6.73	1.01	15.44	72.88	15.77	13.48	23.85	6.68	9.07	1.36	20.07	90.28
8120	15.21	15.58	22.15	6.20	8.28	1.24	17.93	86.59	18.25	15.74	29.15	8.16	11.15	1.67	23.31	107.43
8125	15.49	15.82	22.15	6.20	8.28	1.24	18.24	87.42	13.58	15.99	29.15	8.16	11.15	1.67	23.71	108.41
8135	9.61	9.65	13.29	3.72	4.53	0.68	11.23	52.71	11.53	9.75	17.49	4.90	6.10	0.91	14.60	65.28
8140	13.04	13.26	18.13	5.08	6.73	1.01	15.33	72.58	15.65	13.40	23.85	6.68	9.07	1.36	19.93	89.94
8145	15.26	13.45	18.13	5.08	6.73	1.01	15.57	73.23	15.91	13.59	23.85	6.68	9.07	1.36	20.24	90.70
8150	15.81	16.11	22.15	6.20	8.28	1.24	18.60	88.39	18.97	16.27	29.15	8.16	11.15	1.67	24.18	109.55
8155	15.98	16.26	22.15	6.20	8.28	1.24	18.79	88.90	19.18	16.42	29.15	8.16	11.15	1.67	24.43	110.16
8165	13.45	8.21	13.29	3.72	6.08	0.91	11.02	56.68	15.14	8.34	17.49	4.90	10.19	1.53	15.43	74.02
8170	20.04	12.50	18.13	5.08	10.37	1.56	16.49	84.17	24.05	12.71	23.85	6.68	16.90	2.53	23.08	109.80
8175	30.14	19.38	26.18	7.33	21.54	3.23	24.94	132.74	36.17	19.69	34.45	9.65	36.20	5.43	34.91	176.50
8185	12.99	7.92	11.16	3.12	5.76	0.86	10.64	52.45	15.59	8.05	14.68	4.11	9.57	1.44	14.90	68.34
8190	23.65	15.94	17.04	4.77	5.13	0.77	19.26	84.56	28.38	14.17	22.42	6.28	8.38	1.26	26.96	107.85
8200	14.18	8.64	13.29	3.72	6.26	0.94	11.62	58.65	17.02	8.78	17.49	4.90	10.45	1.57	16.27	76.48
8205	20.50	12.29	18.13	5.08	7.57	1.13	16.74	81.44	24.60	12.49	23.85	6.68	12.67	1.90	23.44	105.63
8215	3.83	1.28	5.40	1.51	0.06	0.01	6.03	18.12								
8220	5.83	1.93	9.50	2.66	0.06	0.01	9.15	29.14								
8230	0.86	0.54	0.00	0.01	0.00	0.00	0.63	2.06								
8235	1.03	0.63	0.00	0.01	0.00	0.00	0.73	2.40								
8240	1.19	0.73	0.00	0.01	0.00	0.00	0.85	2.78								
8250	1.53	0.99	0.65	0.17	0.18	0.03	1.10	4.66								
8255	1.74	1.11	0.66	0.17	0.18	0.03	1.25	5.14								
8260	1.94	1.23	0.66	0.17	0.18	0.03	1.39	5.60								
8270	0.16	0.08	0.84	0.25	0.00	0.00	0.10	1.43								
8275	0.20	0.10	1.05	0.31	0.00	0.00	0.13	1.79								
8285	0.24	0.11	1.42	0.34	0.03	0.01	0.29	2.44								
8290	0.50	0.21	6.58	1.58	0.02	0.00	0.59	9.48								
8295	0.51	0.22	6.58	1.58	0.02	0.00	0.60	9.51								
8300	0.60	0.25	6.99	1.68	0.02	0.00	0.71	10.25								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	REPR	TOTAL RATE
8305	0.75	0.32	8.61	2.07	0.04	0.01	0.88	12.68								
8315	0.66	0.28	1.89	0.45	0.02	0.00	0.78	4.08								
8320	0.67	0.28	1.89	0.45	0.02	0.00	0.78	4.09								
8325	0.83	0.35	3.14	0.75	0.04	0.01	0.98	6.10								
8330	0.81	0.34	3.19	0.77	0.04	0.01	0.95	6.11								
8340	0.22	0.11	0.42	0.13	0.00	0.00	0.14	1.02								
8345	0.23	0.12	0.84	0.25	0.00	0.00	0.15	1.59								
8355	0.14	0.07	0.80	0.24	0.00	0.00	0.09	1.34								
8360	0.15	0.08	1.01	0.30	0.00	0.00	0.10	1.64								
8365	0.19	0.10	1.26	0.38	0.00	0.00	0.12	2.05								
8370	0.31	0.16	1.76	0.53	0.00	0.00	0.20	2.96								
8380	0.07	0.04	0.80	0.24	0.00	0.00	0.05	1.20								
8385	0.12	0.06	1.01	0.30	0.00	0.00	0.08	1.57								

APPENDIX A

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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.

State Sales Tax Rate:	4.0 \$
Working Hours Per Year:	1,500 Hrs/Yr
Labor Adjustment Factor (LAF):	0.990
Electricity Cost Per Kilowatt-Hour:	\$ 0.070 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.250 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 1.060 /GAL.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.200 /Gal.
Freight Rates:	0 thru 24,000 lbs. \$ 4.310 /Cwt.
over 24,000 thru	50,000 lbs. \$ 3.670 /Cwt.
over 50,000 thru	60,000 lbs. \$ 2.290 /Cwt.
over 60,000 thru	80,000 lbs. \$ 2.120 /Cwt.
over 80,000 thru	9999,900 lbs. \$ 2.000 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

<u>EQUIPMENT TYPE</u>	<u>AVERAGE</u>	<u>SEVERE</u>
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 - 22,000 Hrs.	11,000 - 20,000 Hrs.
Shovels	Gravels, silts, well broken rock, lift less than rated capacity.	Extremely abrasive tough materials, lifting near rated capacity, impact breakout.
Depreciation Period	11,000 - 22,000 Hrs.	9,000 - 20,000 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	11,000 - 22,000 Hrs.	9,000 - 20,000 Hrs.

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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 - 14,000 Hrs.	8,000 - 12,000 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	8,000 Hrs.	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.

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

<u>EQUIPMENT TYPE</u>	<u>AVERAGE</u>	<u>SEVERE</u>
Motor Graders	Haul road maintenance. Road construction, ditching. Loose fill spreading. Land- forming, landleveling. Summer road mainten- ance with medium to heavy winter snow removal. Elevating grader use.	Maintenance of hard packed roads with embedded rock. Heavy fill spread- ing. Ripping- scarifying of asphalt or con- crete. 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 .000 .066 .038	0 .000 .000 .000	0	32	28	0	0	90	70						
45	AIR TOOLS, SANDBLASTERS, ETC	A	4	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	90	150						
60	ASPHALT DISTRIBUTORS	A	10	30	65 .000 .066 .038	0 .000 .000 .000	0	32	28	71	57	79	85						
65	ASPHALT AND CONCRETE PAVERS	A	10	25	65 .000 .066 .038	0 .000 .000 .000	0	32	28	83	66	92	90						
70	ASPHALT KETTLES AND RECYCLERS	A	8	25	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	25	65 .000 .066 .000	0 .000 .000 .000	0	24	0	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	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	0	70						
90		S	8	20	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	20	95 .000 .097 .056	0 .000 .000 .000	0	32	28	81	65	90	90						
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	A	10	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	90	80						
125	CONCRETE FINISHERS & BUGGIES	A	10	20	70 .700 .071 .041	0 .000 .000 .000	50	32	28	0	0	0	60						
135	CONCRETE VIBRATORS	A	4	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	0	250						
140	COMPACTORS, MANUALLY OPERATED	A	6	20	90 .000 .091 .053	0 .000 .000 .000	0	24	24	0	0	0	100						
	CRAANE, CRAWLER TYPE																		
150	0 THRU 25 TON	A	13	25	40 .000 .041 .024	0 .000 .000 .000	0	18	18	0	0	0	50						
150		S	11	25	52 .000 .053 .031	0 .000 .000 .000	0	18	18	0	0	0	55						
165	OVER 25 TON THRU 50 TON	A	15	25	40 .000 .041 .024	0 .000 .000 .000	0	18	18	0	0	0	60						
165		S	13	25	52 .000 .053 .031	0 .000 .000 .000	0	18	18	0	0	0	65						
170	OVER 50 TON THRU 150 TON	A	18	25	40 .000 .041 .024	0 .000 .000 .000	0	18	18	0	0	0	70						
170		S	16	25	52 .000 .053 .031	0 .000 .000 .000	0	18	18	0	0	0	75						
180	OVER 150 TON	A	20	25	40 .000 .041 .024	0 .000 .000 .000	0	16	18	0	0	0	80						
180		S	18	25	52 .000 .053 .031	0 .000 .000 .000	0	18	18	0	0	0	85						
	DRAGLINE & CLAMSHELL,CRAWLER																		
185	0 THRU 1 CY	A	12	20	50 .000 .051 .030	0 .000 .000 .000	0	18	18	0	0	0	70						
185		S	10	20	65 .000 .066 .038	0 .000 .000 .000	0	18	18	0	0	0	80						
190	OVER 1 CY THRU 2-1/2 CY	A	15	20	50 .000 .051 .030	0 .000 .000 .000	0	18	18	0	0	0	80						
190		S	13	20	65 .000 .066 .038	0 .000 .000 .000	0	18	16	0	0	0	90						
195	OVER 2-1/2 CY THRU 5 CY	A	18	20	50 .000 .051 .030	0 .000 .000 .000	0	18	18	0	0	0	90						
195		S	16	20	65 .000 .066 .038	0 .000 .000 .000	0	18	18	0	0	0	100						
196	OVER 5 CY	A	20	25	50 .000 .051 .030	0 .000 .000 .000	0	18	18	0	0	0	100						

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	
196		S	18	25	65 .000 .066 .038	0 .000 .000 .000	0	18	18	0	0	0	0	0	0	0	0	110	
200	CRANES, HYDRAULIC, SELF-PROPELLED	A	16	25	65 .000 .066 .038	0 .000 .000 .000	0	32	28	89	71	0	70						
	CRANES & HYD. EXC. , TRK MTD																		
210	UNDER 26 T. (THRU 1 CY)	A	15	25	65 .000 .066 .038	10 .000 .010 .006	0	30	26	97	78	0	50						
210		S	13	25	85 .000 .086 .050	13 .000 .013 .007	0	30	26	86	61	0	55						
225	26 THRU 65 T (1 TH 2-1/2 CY)	A	18	20	65 .000 .066 .038	10 .000 .010 .006	0	30	26	97	78	0	60						
225		S	16	20	85 .000 .086 .050	13 .000 .013 .007	0	30	26	86	61	0	65						
230	66 THRU 125 T	A	20	20	65 .000 .066 .038	10 .000 .010 .006	0	30	26	97	78	0	70						
230		S	18	20	85 .000 .086 .050	13 .000 .013 .007	0	30	26	86	61	0	75						
240	OVER 125 T	A	22	20	65 .000 .066 .038	10 .000 .010 .006	0	30	26	97	78	0	80						
240		S	20	20	85 .000 .086 .050	13 .000 .013 .007	0	30	26	86	61	0	85						
255	DRILL, AUGER	A	10	20	50 .000 .051 .030	0 .000 .000 .000	0	32	28	67	57	0	90						
270	DRILL, BLAST HOLE	A	10	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	0	90						
300	DRILL, CORE	A	10	20	80 .000 .081 .047	0 .000 .000 .000	0	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	24	24	62	44	0	90						
330	DRILL, ROTARY OVER 11" DIA.	A	20	20	80 .000 .081 .047	0 .000 .000 .000	0	24	24	62	44	0	90						
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	A	20	20	70 .700 .000 .000	0 .000 .000 .000	50	0	0	0	0	0	45						
375	FORK LIFTS	A	10	20	65 .000 .066 .038	0 .000 .000 .000	0	24	24	87	78	0	70						
590	GRADERS	A	12	30	60 .000 .061 .035	0 .000 .000 .000	0	16	29	89	71	0	60						
590		S	10	30	78 .000 .079 .046	0 .000 .000 .000	0	16	29	71	51	0	65						
420	GENERATORS	A	10	35	65 .000 .066 .038	0 .000 .000 .000	0	24	24	0	0	0	60						
420		S	9	35	85 .000 .086 .050	0 .000 .000 .000	0	24	24	0	0	0	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)																		
440	LIGHT PLANTS	A	10	30	85 .000 .086 .050	0 .000 .000 .000	0	24	24	0	0	0	150						
450	LOADER, BELT	A	10	35	65 .000 .066 .038	0 .000 .000 .000	0	32	28	26	0	99	90						
450		S	8	35	85 .000 .086 .050	0 .000 .000 .000	0	32	28	16	0	96	100						
460	LOADER, FRONT END & LOADER F/E	A	10	25	70 .000 .071 .041	0 .000 .000 .000	0	32	38	0	0	0	120						
460	WITH BACKHOE,CRAWLER TYPE	S	8	25	91 .000 .092 .054	0 .000 .000 .000	0	32	38	0	0	0	130						
	LOADER, WHEEL TYPE																		
465	0 THRU 225 HP	A	10	25	65 .000 .066 .038	0 .000 .000 .000	0	32	40	70	42	0	70						
465		S	8	25	85 .000 .086 .050	0 .000 .000 .000	0	32	40	41	22	0	75						
470	OVER 225 HP	A	12	20	65 .000 .066 .038	0 .000 .000 .000	0	32	30	70	42	0	70						
470		S	10	20	85 .000 .086 .050	0 .000 .000 .000	0	32	30	41	22	0	75						

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	
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	A	10	30	65 .000 .066 .038	0 .000 .000 .000	0 .32	.28	72	50	0	80							
475		S	8	30	85 .000 .086 .050	0 .000 .000 .000	0 .32	.28	57	35	0	85							
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	A	6	35	65 .000 .066 .038	0 .000 .000 .000	0 .32	.28	0	0	0	90							
485	PIPELAYERS	A	12	30	35 .000 .000 .021	0 .000 .000 .000	0	0	32	0	0	75							
485		S	10	30	45 .000 .000 .027	0 .000 .000 .000	0	0	32	0	0	85							
	PUMP, CROUT (SEE KEY NO. 105)																		
495	PUMP, WATER, ENGINE DRIVE	A	10	20	90 .000 .091 .053	0 .000 .000 .000	0 .32	.38	0	0	0	80							
500	PUMP, WATER, ELECTRIC DRIVE	A	10	20	90 .900 .000 .000	0 .000 .000 .000	45	0	0	0	0	40							
510	RIPPERS	A	8	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	80							
510		S	6	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	90							
525	ROLLERS, EXCEPT VIB. ROLLERS	A	10	25	65 .000 .066 .038	65 .000 .066 .038	0	24	24	76	60	84	80						
530	ROLLERS, VIBRATORY	A	8	25	90 .000 .091 .053	90 .000 .091 .053	0	24	24	76	60	84	100						
540	SCRAPERS, STANDARD	A	10	20	60 .000 .000 .035	60 .000 .000 .035	0	0	27	59	33	65	60						
540		S	8	20	78 .000 .000 .046	78 .000 .000 .046	0	0	27	39	19	43	65						
542	SCRAPERS, TANDEM POWERED	A	10	20	62 .000 .000 .037	62 .000 .000 .037	0	0	25	59	33	65	65						
542		S	8	20	81 .000 .000 .048	81 .000 .000 .048	0	0	25	39	19	43	70						
	SCRAPERS, ELEVATING																		
545	0 THRU 200 HP	A	10	25	66 .000 .000 .039	66 .000 .000 .039	0	0	34	59	33	65	75						
545		S	8	25	86 .000 .000 .051	86 .000 .000 .051	0	0	34	39	19	43	80						
550	OVER 200 HP	A	10	25	66 .000 .000 .039	66 .000 .000 .039	0	0	24	59	33	65	65						
550		S	8	25	86 .000 .000 .051	86 .000 .000 .051	0	0	24	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						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED																		
570	0 THRU 1 CY	A	11	20	60 .000 .061 .035	0 .000 .000 .000	0	18	18	0	0	0	70						
570		S	9	20	78 .000 .079 .046	0 .000 .000 .000	0	18	18	0	0	0	80						
585	OVER 1 CY THRU 2-1/2 CY	A	13	20	60 .000 .061 .035	0 .000 .000 .000	0	18	18	0	0	0	80						
585		S	11	20	78 .000 .079 .046	0 .000 .000 .000	0	18	18	0	0	0	90						
595	OVER 2-1/2 CY THRU 5 CY	A	16	20	60 .000 .061 .035	0 .000 .000 .000	0	18	18	0	0	0	90						
595		S	14	20	78 .000 .079 .046	0 .000 .000 .000	0	18	18	0	0	0	100						
600	OVER 5 CY	A	18	20	60 .000 .061 .035	0 .000 .000 .000	0	18	18	0	0	0	110						
600		S	16	20	78 .000 .079 .046	0 .000 .000 .000	0	18	18	0	0	0	110						
601	OVER 2-1/2 CY ELECTRIC	A	22	20	50 .500 .000 .000	0 .000 .000 .000	25	0	0	0	0	0	70						
601		S	20	20	65 .650 .000 .000	0 .000 .000 .000	25	0	0	0	0	0	80						

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	
TRACTOR, CRAWLER TYPE																			
615	0 THRU 225 HP	A	10	30	70 .000 .000 .041	0 .000 .000 .000	0	0	32	0	0	0	0	0	0	0	0	0	110
615		S	8	30	91 .000 .000 .054	0 .000 .000 .000	0	0	32	0	0	0	0	0	0	0	0	0	120
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	A	12	25	70 .000 .000 .041	0 .000 .000 .000	0	0	25	0	0	0	0	0	0	0	0	0	90
620		S	10	25	91 .000 .000 .054	0 .000 .000 .000	0	0	25	0	0	0	0	0	0	0	0	0	100
625	OVER 425 HP	A	14	20	70 .000 .000 .041	0 .000 .000 .000	0	0	22	0	0	0	0	0	0	0	0	0	90
625		S	12	20	91 .000 .000 .054	0 .000 .000 .000	0	0	22	0	0	0	0	0	0	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	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	0	0	0	0	0	0	90
645	TRACTOR, WHEEL TYPE	A	10	25	65 .000 .066 .038	0 .000 .000 .000	0	24	28	73	44	0	0	60					
645		S	8	25	85 .000 .086 .050	0 .000 .000 .000	0	24	28	38	21	0	0	65					
650	TRENCHER	A	10	25	65 .000 .066 .038	0 .000 .000 .000	0	32	28	91	66	0	0	90					
650		S	8	25	85 .000 .086 .050	0 .000 .000 .000	0	32	28	77	48	0	0	100					
655	TRAILERS, BOTTOM DUMP AND END DUMP	A	10	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	0	0	65	60				
655		S	8	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	0	0	54	70				
660	TRAILERS, FLATBED, LO-BOY AND TILT	A	10	35	0 .000 .000 .000	0 .000 .000 .000	0	0	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	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	0	0	0	0	0	0	80
675	ALL OTHER ACCESSORIES	A	8	20	65 .000 .066 .000	0 .000 .000 .000	0	32	0	0	0	0	0	0	0	0	0	0	70
TRUCK, HIGHWAY																			
690	0 THRU 10,000 GVW	A	8	25	15 .000 .015 .009	0 .000 .000 .000	0	32	28	41	29	0	0	70					
690		S	6	25	20 .000 .020 .012	0 .000 .000 .000	0	32	28	36	22	0	0	80					
695	OVER 10,000 THRU 30,000 GVW	A	8	25	34 .000 .035 .020	0 .000 .000 .000	0	32	28	49	39	0	0	60					
695		S	6	25	44 .000 .045 .026	0 .000 .000 .000	0	32	28	42	30	0	0	70					
705	OVER 30,000 GVW	A	8	25	51 .000 .052 .030	0 .000 .000 .000	0	32	28	51	38	57	0	0	60				
705		S	6	25	66 .000 .067 .039	0 .000 .000 .000	0	32	28	43	29	48	0	0	70				
720	TRUCK, OFF-HIGHWAY	A	12	20	40 .000 .000 .024	0 .000 .000 .000	0	0	33	59	36	65	0	0	60				
720		S	10	20	52 .000 .000 .031	0 .000 .000 .000	0	0	33	39	21	43	0	0	70				
765	WAGON, BOTTOM & REAR DUMP	A	12	15	65 .000 .066 .038	0 .000 .000 .000	0	24	28	59	39	65	0	0	60				
765		S	10	15	85 .000 .086 .050	0 .000 .000 .000	0	24	28	39	22	43	0	0	70				
780	WAGON, WATER	A	12	35	65 .000 .066 .038	0 .000 .000 .000	0	24	28	73	55	81	0	0	60				
780		S	10	35	85 .000 .086 .050	0 .000 .000 .000	0	24	28	56	40	62	0	0	65				

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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	
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	6	30	80 .000 .081 .047				0 .000 .000 .000				0	24	24	0	0	90	70
811	WELDERS ELECTRIC POWER	A	8	30	60 .000 .000 .000				0 .000 .000 .000				30	0	0	0	0	0	40

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

CATEGORY	0	1	2	3	4	YEAR PURCHASE NEW		7	8	9	10	11	12
						5	6						
Air Equipment	1771	1675	1563	1630	1521	1354	1295	1186	1165	1028	935	920	929
Asphalt & Concrete Paving Equipment	2757	2636	2461	2296	2111	1941	1815	1686	1610	1451	1304	1263	1235
Buckets	4788	4548	4313	3879	3280	2963	2738	2520	2175	1838	1430	1370	1316
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3372	3219	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212
Drills	2940	2824	2602	2265	1993	1858	1699	1638	1559	1373	1249	1184	1160
Generators	3658	3448	3160	2817	2390	2301	2128	2053	1839	1456	1316	1283	1243
Graders, Motor	3767	3568	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208
Loaders, Track	3899	3660	3349	3061	2750	2482	2247	2053	1916	1573	1329	1281	1236
Loaders, Wheel	4004	3797	3441	2938	2606	2375	2156	2002	1907	1584	1362	1317	1261
Pile Driving Equipment	3584	3442	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218
Rollers	3533	3425	3199	2913	2653	2396	2139	1983	1872	1556	1328	1279	1230
Scrapers	3767	3568	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208
Shovels, Backhoes & Hydraulic Excavators	3372	3219	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212
Tractors, Crawler & Attachments	3899	3660	3349	3061	2750	2482	2247	2053	1916	1573	1329	1281	1236
Tractors, Wheel	3654	3536	3256	2927	2578	2319	2125	1956	1813	1498	1288	1251	1211
Trenchers	4508	4097	3618	3153	2772	2580	2300	1894	1633	1527	1384	1316	1284
Trucks, Highway	3001	2816	2638	2324	2108	1934	1775	1646	1524	1369	1230	1211	1185
Trucks & Wagons - Off Highway	3787	3667	3363	2964	2588	2364	2196	2081	1965	1568	1315	1293	1245
All Other Equipment	3584	3442	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218
All Tires & Tubes	2584	2555	2506	2369	2055	1792	1699	1615	1485	1334	1114	1092	1092

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.

<u>No.</u>	<u>Condition</u>	<u>Factor</u>	
		<u>Average</u>	<u>Severe</u>
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
		<u>0.648</u>	<u>0.428</u>
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
<hr/>			
<u>FINAL TIRE WEAR FACTORS</u>			
	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

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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.