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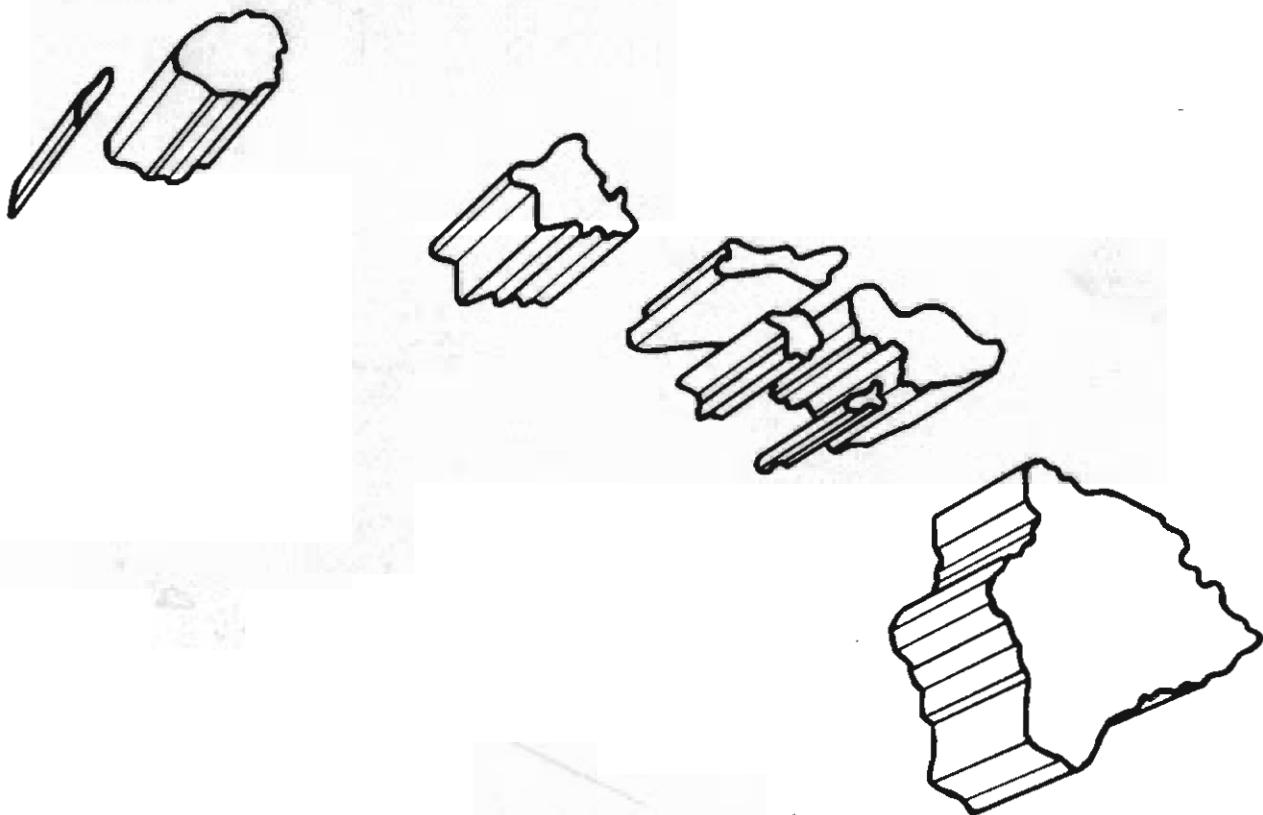
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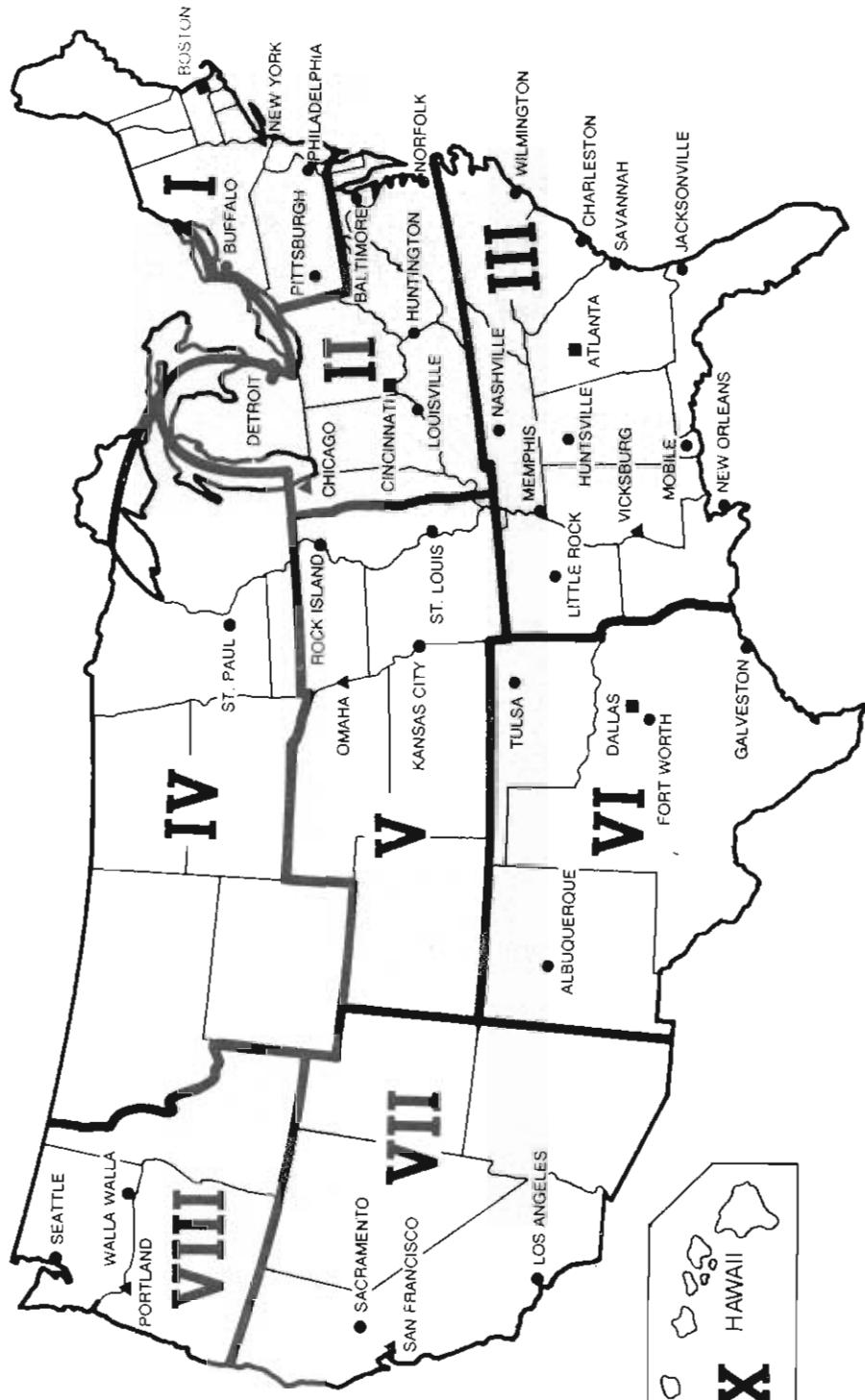
June 1983

Construction Equipment Ownership and Operating Expense Schedule

Region X



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 X which includes the following state:

Hawaii

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
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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 X, which includes the following state:

Hawaii

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.

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

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:

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

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

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

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

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

(5) Hourly Tire Cost.

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

(b) The hourly tire cost equals the current cost of new tires plus the cost of one recapping divided by the expected life of the new tires plus the life of the recapped tires. It has been determined that a recap costs approximately 50 percent of the new tire cost and that the life of a new tire plus recapping will equal approximately 1.8 times the "useful life" of a new tire.

(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 <small>(EP 1110-1-8)</small>	
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 Track Crane 50-Ton</u>	
(2) Model and Series <u>MIC-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>244</u>	
(7) Fuel Type <u>Diesel/Diesel</u> (8) Shipping Weight <u>111,100 lbs.</u>	
(9) Tire Size: Front- <u>10x20 R16</u> Drive- <u>400x20 R16</u> Trailing- <u>18x4</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</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) $= (\$ 319,655.00) \times .075 = (-) \$ 23,974.13$	
(2) Freight: (Shipping Weight) x (Prep. and Del. Rate) $\text{From 1-a-(8)} \quad \text{From APPENDIX B}$ $= (111,100 \text{ cwt}) \times (\$ 14.24) = (+) \$ 15820.44$	
b. Subtotal: Summation of Part a. (Use actual cost when available) <u>= \$ 311,501.57</u>	
(1) State Sales Tax: (Subtotal) x (Tax Rate) From 2-b $= (\$ 311,501.57) \times (.04) = (+) \$ 12,460.66$	
c. Equipment Cost: Summation of Part b. (Use actual cost when available) <u>= \$ 323,961.57</u>	

Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

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

$$= (\underline{18,000} \text{ Hrs}) + (\underline{1,650} \text{ Hrs/Yr})$$

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

$$= \underline{(3372)} + \underline{(37209)} = 1121 \text{ (EAF)}$$

5. SALVAGE VALUE FACTOR (S)

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

$$= (-24) \times (1/121) = -24/121$$

6. OWNERSHIP COSTS

a. Depreciation:

$$\begin{aligned} \text{Equipment} & \quad \text{Life} \\ (\text{Cost From}) \times [1.0 - (\text{S From})] & - (\text{Tire Cost}) + (\text{From}) \\ 2-\text{c} & \quad 5 \quad \text{Yr. of Mfg.} \quad 1-\text{b}-(3) \\ = (\$323,962) \times [1.0 - (.224)] & - (\$8414) + (180.2 \text{ Hr.}) = \$13.50/\text{Hr.} \end{aligned}$$

b. Cost of Facilities Capital (CFC):

$$(1) \frac{\text{Life}}{3} - 1.0] \times \frac{[(S \text{ From}) + 1.0] + 2.0}{5} + \frac{[(\text{From}) \times 2.0]}{3}$$

$$= [[(10.9 \text{ yrs}) - 1.0] \times [(-224) + 1.0] + 2.0] + [(10.9 \text{ yrs}) \times 2.0] = -6476$$

$$(2) \frac{\text{Equipment Cost From } 2-\text{c}}{\text{From 6-b-(1)}} \times \frac{\text{Average Value Factor From Para. 1}}{\text{From 6-b-(2)}} \times \frac{\text{CFC Factor 2-2.c.(2)}}{\text{From Para. 1}} + \frac{\text{Hrs Use/APP. B}}{\text{Hrs/Yr}} = \$ \underline{\underline{11.44}}/\text{Hr.}$$

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) = \$ 24.54/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.

$$= (\underline{.838}) \times (\underline{115} \text{ HP}) \times (\$ \underline{1.07} / \text{Gal}) = \$ \underline{4.68} / \text{Hr.}$$

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

$$= (\underline{.006}) \times (\underline{246} \text{ HP}) \times (\$ \underline{1.28} / \text{Gal}) = \$ \underline{1.89} / \text{Hr.}$$

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) = \\$ 6.57 / Hr.

b. FOG Costs:

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

$$= (\underline{.26}) \times (\$ \underline{4.68} / \text{Hr}) = \$ \underline{1.22} / \text{Hrs.}$$

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

$$= (\underline{.26}) \times (\$ \underline{1.89} / \text{Hr}) = \$ \underline{49} / \text{Hr.}$$

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) = \\$ 1.71 / Hr.

c. Repairs Cost:

(1) Repair Factor:

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

$$= (\underline{.60}) \times (\underline{1.12} \times \underline{1.02}) = \underline{.6861}$$

(2) Hourly Repairs:

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

$$=[(\underline{323,962}) - (\$ \underline{8414})] \times (\underline{.6861}) + (\underline{1802} / \text{Hr}) = \$ \underline{12.63} / \text{Hr.}$$

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):

Front F-Tire Max Tire
(1) Front Tires: $1.5 \times (\text{Tires}) + [1.8 \times (\text{Ftr Frm}) \times (\text{Life Frm})]$
Cost 1-b-(7) Tbl F-1
 $= 1.5 \times (\underline{\underline{1.872}}) + [1.8 \times (\underline{\underline{.97}}) \times (\underline{\underline{5020\text{Hr}}})] = \$ \underline{\underline{1.50}}/\text{Hr.}$

Drive D-Tire Max Tire
(2) Drive Tires: $1.5 \times (\text{Tires}) + [1.8 \times (\text{Ftr Frm}) \times (\text{Life Frm})]$
Cost 1-b-(7) Tbl F-1
 $= 1.5 \times (\underline{\underline{1.784}}) + [1.8 \times (\underline{\underline{.78}}) \times (\underline{\underline{5020\text{Hr}}})] = \$ \underline{\underline{1.74}}/\text{Hr.}$

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

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

e. Tire Repair Cost: (Tire Wear) $\times 0.15$
Frm 7-d-(4)
 $= (\underline{\underline{1.74}}) \times 0.15 = \$ \underline{\underline{.26}}/\text{Hr.}$

f. Total Operating Costs: (Sum 7-a thru 7-e) $= \$ \underline{\underline{22.31}}/\text{Hr.}$

8. TOTAL HOURLY RATES

a. Single Shift Hourly Rate: (40 Hours per Week)
(Ownership Costs Frm 6-c) + (Operating Costs Frm 7-f)
 $= (\underline{\underline{24.94}}/\text{Hr}) + (\underline{\underline{22.31}}/\text{Hr}) = \$ \underline{\underline{47.25}}/\text{Hr.}$

b. Hourly Rate for Other Work Shifts:
(Depreciation) + [(CFC Frm) $\times 40 + (\text{Work Hrs})] + (\text{Operating Costs})$
From 6-a 6-b-(2) Per Week Frm 7-f
 $= (\underline{\underline{13.50}}/\text{Hr}) + [(\underline{\underline{11.44}}/\text{Hr}) \times 40 + (\underline{\underline{60}}\text{Hr/Wk})] + (\underline{\underline{22.31}}/\text{Hr}) = \$ \underline{\underline{43.44}}/\text{Hr.}$

c. Hourly Standby Rate:
(Depreciation) $\times 0.25 + (\text{CPC Frm})$
From 6-a 6-b-(2)
 $= (\underline{\underline{13.50}}/\text{Hr}) \times 0.25 + (\underline{\underline{11.44}}/\text{Hr}) = \$ \underline{\underline{14.82}}/\text{Hr.}$

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 <u>ANNUAL OWNERSHIP EXPENSE</u>		
			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:					
Pontoons	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).

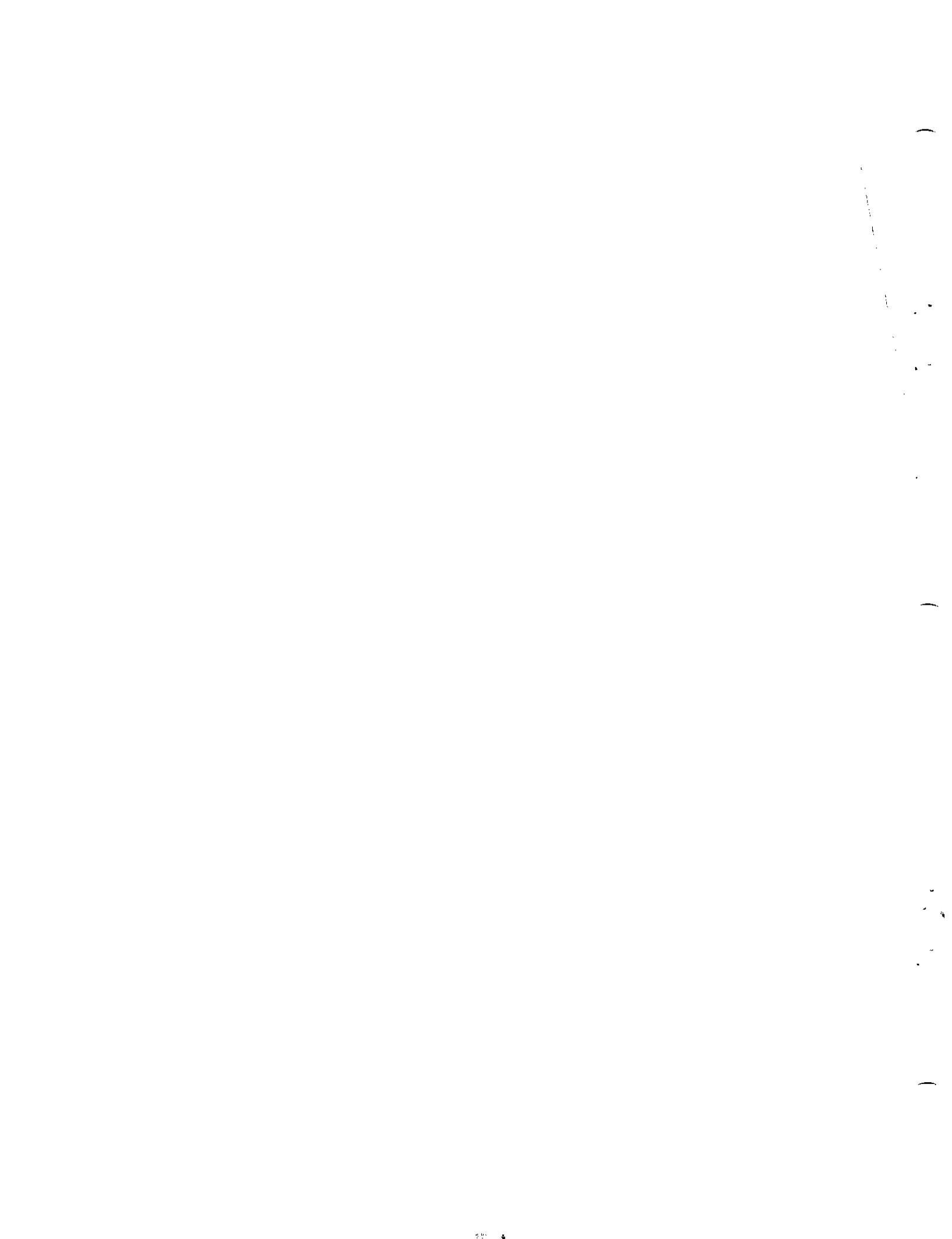


TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

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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	OWNER-SHIP	AVERAGE COND.	SEVERE COND.						
					SEVERE	FUEL	OWNER-SHIP	FUEL						
AGGREGATE SPREADER														
ETNYRE - SELF-PROPELLED														
1010	SPREAD TO 8" DEPTH & 10' WIDE	187 HP G	49,767	25.71		2.78	5.60	12.87	155					
1015	SPREAD TO 8" DEPTH & 13' WIDE	143 HP D	55,379	16.52		3.09	6.23	4.59	160					
AIR COMPRESSORS, PORTABLE														
(HOSE NOT INCLUDED)														
ROTARY SCREW														
1030	SIZE 85 CFM QUIET 100 PSI	43 HP G	9,400	6.85		0.53	1.02	3.83	21					
1035	SIZE 85 CFM QUIET 100 PSI	38 HP D	11,116	4.10		0.62	1.21	1.55	24					
1040	SIZE 100 CFM QUIET 100 PSI	50 HP G	11,637	8.09		0.65	1.26	4.45	20					
1045	SIZE 100 CFM QUIET 100 PSI	44 HP D	13,992	4.95		0.78	1.52	1.79	26					
1050	SIZE 125 CFM QUIET 100 PSI	70 HP G	14,233	10.95		0.79	1.55	6.24	24					
1055	SIZE 125 CFM QUIET 100 PSI	51 HP D	15,147	5.54		0.85	1.65	2.07	26					
1060	SIZE 150 CFM QUIET 100 PSI	70 HP G	15,532	11.20		0.87	1.69	6.24	26					
1065	SIZE 150 CFM QUIET 100 PSI	69 HP D	17,600	6.95		0.98	1.92	2.81	28					
1070	SIZE 185 CFM QUIET 100 PSI	70 HP G	16,036	11.30		0.90	1.75	6.24	27					
1075	SIZE 185 CFM QUIET 100 PSI	69 HP D	18,874	7.20		1.06	2.06	2.81	29					
1080	SIZE 275 CFM QUIET 100 PSI	94 HP D	28,316	10.29		1.58	3.09	3.82	55					
1085	SIZE 340 CFM QUIET 100 PSI	103 HP D	35,277	12.12		1.97	3.81	4.19	79					
1090	SIZE 450 CFM QUIET 100 PSI	152 HP D	45,501	16.62		2.54	4.93	6.18	89					
1095	SIZE 600 CFM QUIET 100 PSI	175 HP D	60,997	20.78		3.41	6.63	7.12	97					
1100	SIZE 750 CFM QUIET 100 PSI	228 HP D	70,972	25.44		3.96	7.72	9.27	128					
1105	SIZE 825 CFM QUIET 100 PSI	250 HP D	80,515	28.40		4.50	8.77	10.16	130					
1110	SIZE 900 CFM QUIET 100 PSI	270 HP D	88,309	30.93		4.94	9.63	10.98	148					
1115	SIZE 1000 CFM QUIET 100 PSI	283 HP D	99,033	33.66		5.55	10.81	11.51	186					
1120	SIZE 1200 CFM QUIET 100 PSI	325 HP D	118,050	39.46		6.61	12.89	13.21	196					
1125	SIZE 1600 CFM QUIET 100 PSI	456 HP D	133,380	49.21		7.47	14.56	18.54	216					

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	AVERAGE FUEL	COND.	SEVERE FUEL					
AIR EQUIPMENT ***** (HOSE NOT INCLUDED)														
CLEMCO - SANDBLASTERS														
1140	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,349	0.96		0.13	0.32	0.00			3				
1145	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,510	1.75		0.23	0.60	0.00			5				
1150	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,550	1.77		0.23	0.60	0.00			6				
1155	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	2,839	2.02		0.26	0.67	0.00			7				
1160	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	3,770	2.64		0.34	0.89	0.00			9				
1165	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	10,986	7.48		0.98	2.52	0.00			28				
1170	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	13,475	9.07		1.18	3.01	0.00			45				
1175	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	16,699	11.31		1.47	3.76	0.00			53				
GARDNER DENVER - TOOLS														
1185	SPADER SP27E	32CFM A	940	0.69		0.09	0.22	0.00		1				
1190	SINKER DRILL S58	98CFM A	2,042	1.47		0.19	0.48	0.00		1				
1195	PAVING BREAKER B37	41CFM A	964	0.71		0.09	0.23	0.00		1				
1200	PAVING BREAKER B67C	46CFM A	1,032	0.75		0.09	0.24	0.00		1				
1205	PAVING BREAKER B87C	50CFM A	1,121	0.82		0.11	0.27	0.00		1				
1210	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,739	2.62		0.34	0.88	0.00		1				
MASTER - CONCRETE VIBRATORS														
1220	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	1,816	1.88		0.17	0.43	0.00		1				
1225	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,172	1.25		0.11	0.28	0.00		1				
1230	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,054	1.09		0.09	0.24	0.00		1				
1235	CONCRETE VIBR. MOD A-30010 3"	64CFM A	953	0.98		0.09	0.22	0.00		1				
1240	CONCRETE VIBR. MOD A-25010 2.5"	40CFM A	751	0.78		0.07	0.18	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	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	24,822	10.92	1.39	2.63	4.45		72
1255	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GVW REQUIRED	50 HP G	25,756	11.11	1.45	2.73	4.45		75
1260	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GVW REQUIRED	50 HP G	27,743	11.50	1.55	2.93	4.45		87
1265	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GVW REQUIRED	50 HP G	32,095	12.40	1.80	3.40	4.45		109
ASPHALT FINISHERS									

SPW=STANDARD PAVING WIDTH									
BARBER-GREENE									
1275	MOD SB111 8' SPW (PNEUMATIC)	70 HP D	83,571	21.54	4.66	9.06	2.85		165
1280	MOD SB131 10' SPW (PNEUMATIC) W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	95 HP D	121,273	31.05	6.72	12.97	3.86		258
1285	MOD SB140 10' SPW (PNEUMATIC) OPTIONS SAME AS MOD SB131	130 HP D	138,859	36.68	7.69	14.86	5.29		325
1290	MOD SA150 10' SPW (CRAWLER) OPTIONS SAME AS MOD SB131	130 HP D	166,987	42.33	9.38	18.39	5.29		375
BLAW-KNOX									
1300	MOD PF-22 5' SPW (PNEUMATIC)	30 HP D	42,845	10.78	2.36	4.56	1.22		95
1305	MOD PF-35 6' SPW (PNEUMATIC)	44 HP D	61,943	15.57	3.44	6.66	1.79		104
1310	MOD PF-115 8' SPW (PNEUMATIC)	58 HP D	64,806	21.22	4.72	9.14	2.36		180
1315	MOD PF-120H 8' SPW (PNEUMATIC)	87 HP D	102,175	26.58	5.64	10.87	3.54		240
1320	MOD PF-180H 10' SPW (PNEUMATIC)	107 HP D	118,684	31.19	6.55	12.60	4.35		277
1325	MOD PF-220 12' SPW (PNEUMATIC)	148 HP D	165,989	43.72	9.11	17.43	6.02		387
1330	MOD PF-400 10' SPW (CRAWLER)	76 HP D	110,280	27.45	6.20	12.15	3.09		230
1335	MOD PF-500 10' SPW (CRAWLER)	107 HP D	134,449	34.21	7.55	14.81	4.35		291

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 FUEL	OWNER-SHIP	FUEL	
			AVERAGE	SEVERE						
ASPHALT KETTLES - ROSCO *****										
1345	MOD KB 110 GAL. TRAILER MOUNTED	3,591	1.77		0.22	0.45	0.00			13
1350	MOD KD 225 GAL. TRAILER MOUNTED	4,187	2.02		0.25	0.53	0.00			16
ASPHALT RECYCLER - BOMAG *****										
1360	MOD AR-6 TRAILER MOUNTED	8 HP G	9,636	4.71		0.59	1.23	0.71		21
BROOMS - M-B *****										
1370	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER		5,766	1.34		0.32	0.63	0.00		24
1375	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	30 HP G	7,684	4.85		0.43	0.83	2.67		30
1380	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		2,619	0.70		0.15	0.29	0.00		10
1385	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		4,343	0.99		0.25	0.48	0.00		14
BRUSH CHIPPERS - FITCHBERG *****										
1395	MOD TWC-612 CAP. TO 6" DIA. LOG	151 HP G	11,012	14.77		0.62	1.25	9.38		40
1400	MOD TWC-915 CAP. TO 9" DIA. LOG	165 HP G	12,584	16.26		0.70	1.43	10.25		42
1405	MOD PT-540 CAP. TO 6" PTO/DRIVE		5,349	1.42		0.31	0.62	0.00		15
BUCKETS, CLAMSHELL *****										
ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE										
1415	.75 C.Y.		9,489	1.84	2.35	0.54	1.09	0.00	1.28	0.00
1420	1.0 C.Y.		11,158	2.16	2.77	0.63	1.28	0.00	1.51	0.00
1425	1.5 C.Y.		16,436	3.19	4.08	0.93	1.89	0.00	2.22	0.00
1430	2.0 C.Y.		18,569	3.59	4.61	1.04	2.12	0.00	2.51	0.00
1435	2.5 C.Y.		24,201	4.69	6.00	1.36	2.77	0.00	3.26	0.00
1440	3.0 C.Y.		25,624	4.96	6.36	1.44	2.93	0.00	3.46	0.00
										99

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						
BUCKETS, CLAMSHELL (CONT'D)													

ESCO - MODEL GPS GEN PURPOSE & SQUARE NOSE (CONT'D)													
1445	3.5 C.Y.	26,370	5.11	6.54	1.48	3.02	0.00	3.55	0.00	110			
1450	4.0 C.Y.	29,010	5.63	7.19	1.64	3.33	0.00	3.91	0.00	120			
1455	4.5 C.Y.	31,403	6.09	7.79	1.77	3.60	0.00	4.23	0.00	132			
1460	5.0 C.Y.	34,066	6.60	8.45	1.91	3.90	0.00	4.59	0.00	146			
1465	5.5 C.Y.	36,772	7.12	9.13	2.07	4.21	0.00	4.97	0.00	158			
1470	6.0 C.Y.	38,110	7.38	9.47	2.14	4.36	0.00	5.15	0.00	166			
1475	6.5 C.Y.	41,172	7.98	10.21	2.32	4.72	0.00	5.55	0.00	177			
1480	7.0 C.Y.	42,444	8.22	10.54	2.39	4.86	0.00	5.73	0.00	185			
1485	7.5 C.Y.	44,041	8.54	10.93	2.48	5.05	0.00	5.94	0.00	192			
ESCO - MODEL HDS													
HEAVY DUTY & SQUARE NOSE													
1495	.75 C.Y.	9,941	1.93	2.47	0.56	1.14	0.00	1.34	0.00	35			
1500	1.0 C.Y.	13,485	2.62	3.35	0.76	1.55	0.00	1.82	0.00	49			
1505	1.5 C.Y.	19,653	3.81	4.88	1.10	2.25	0.00	2.65	0.00	74			
1510	2.0 C.Y.	21,240	4.11	5.28	1.19	2.43	0.00	2.87	0.00	82			
1515	2.5 C.Y.	27,007	5.23	6.71	1.52	3.09	0.00	3.65	0.00	105			
1520	3.0 C.Y.	29,553	5.73	7.33	1.67	3.39	0.00	3.98	0.00	116			
1525	3.5 C.Y.	31,892	6.18	7.91	1.79	3.65	0.00	4.30	0.00	126			
1530	4.0 C.Y.	34,301	6.65	8.51	1.93	3.93	0.00	4.63	0.00	137			
1535	4.5 C.Y.	36,822	7.14	9.14	2.08	4.22	0.00	4.97	0.00	147			
1540	5.0 C.Y.	40,543	7.85	10.06	2.28	4.64	0.00	5.47	0.00	163			
1545	5.5 C.Y.	42,775	8.30	10.61	2.41	4.91	0.00	5.77	0.00	172			
1550	6.0 C.Y.	45,251	8.78	11.23	2.55	5.19	0.00	6.11	0.00	182			
1555	6.5 C.Y.	47,222	9.15	11.72	2.66	5.41	0.00	6.37	0.00	193			
1560	7.0 C.Y.	49,186	9.54	12.20	2.77	5.64	0.00	6.63	0.00	201			
1565	7.5 C.Y.	51,137	9.91	12.69	2.88	5.86	0.00	6.90	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				
BUCKETS, CLAMSHELL (CONT'D)													

ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE													
1575	.75 C.Y.	15,061	2.91	3.74	0.84	1.72	0.00	2.03	0.00	52			
1580	1.0 C.Y.	15,447	2.99	3.83	0.87	1.77	0.00	2.08	0.00	58			
1585	1.5 C.Y.	22,928	4.44	5.69	1.29	2.62	0.00	3.09	0.00	85			
1590	2.0 C.Y.	27,736	5.38	6.89	1.56	3.18	0.00	3.75	0.00	103			
1595	2.5 C.Y.	31,020	6.01	7.70	1.74	3.55	0.00	4.19	0.00	119			
1600	3.0 C.Y.	33,790	6.55	8.39	1.90	3.87	0.00	4.56	0.00	135			
1605	3.5 C.Y.	35,650	6.91	8.85	2.00	4.08	0.00	4.81	0.00	149			
1610	4.0 C.Y.	37,763	7.32	9.37	2.13	4.33	0.00	5.09	0.00	158			
1615	4.5 C.Y.	39,593	7.68	9.82	2.23	4.54	0.00	5.34	0.00	168			
1620	5.0 C.Y.	42,474	8.23	10.54	2.39	4.86	0.00	5.73	0.00	181			
1625	5.5 C.Y.	44,991	8.73	11.17	2.54	5.16	0.00	6.08	0.00	193			
1630	6.0 C.Y.	47,298	9.17	11.74	2.66	5.42	0.00	6.38	0.00	203			
1635	6.5 C.Y.	51,245	9.94	12.71	2.89	5.88	0.00	6.91	0.00	220			
1640	7.0 C.Y.	52,841	10.25	13.11	2.98	6.06	0.00	7.13	0.00	230			
1645	7.5 C.Y.	54,861	10.64	13.62	3.09	6.29	0.00	7.41	0.00	241			
BUCKETS, CONCRETE - GAR-BRO													

GENERAL PURPOSE & MANUAL													
1655	433-G 1.0 C.Y.	1,450	0.27		0.08	0.16	0.00			6			
1660	442-G 1.5 C.Y.	1,822	0.35		0.11	0.21	0.00			8			
1665	462-G 2.0 C.Y.	2,381	0.47		0.14	0.28	0.00			11			
1670	493-G 3.0 C.Y.	3,439	0.67		0.20	0.40	0.00			19			
1675	4123-G 4.0 C.Y.	4,333	0.84		0.25	0.50	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	SEVERE COND.	OWNERSHIP	FUEL	SEVERE				
BUCKETS, CONCRETE - GAR-BRO (CONT'D)													
LOW SLUMP - AIR OPERATED GATE													
1685	440-A 1.0 C.Y.	6,171	1.20		0.35	0.71	0.00			19			
1690	450-A 1.5 C.Y.	6,444	1.25		0.37	0.74	0.00			21			
1695	460-A 2.0 C.Y.	6,710	1.30		0.38	0.77	0.00			23			
1700	493-A 3.0 C.Y.	9,002	1.74		0.51	1.03	0.00			42			
1705	4139-A 4.0 C.Y.	9,495	1.84		0.54	1.09	0.00			52			
1710	4200-A 6.0 C.Y. DBL. COMPT.	13,676	2.64		0.77	1.56	0.00			72			
1715	4250-A 8.0 C.Y. DBL. COMPT.	16,260	3.15		0.92	1.86	0.00			80			
LAYDOWN - HEAVY DUTY - AIR GATE													
1725	425-A 1.0 C.Y.	7,125	1.37		0.40	0.81	0.00			26			
1730	465-A 2.0 C.Y.	8,097	1.57		0.46	0.93	0.00			31			
1735	495-A 3.0 C.Y.	9,323	1.81		0.52	1.07	0.00			40			
1740	4125-A 4.0 C.Y.	10,451	2.02		0.58	1.19	0.00			49			
1745	4155-A 5.0 C.Y.	12,283	2.38		0.69	1.41	0.00			60			
BUCKETS, DRAGLINE													
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED													
1760	.75 C.Y.	3,253	0.63	0.81	0.18	0.37	0.00	0.44	0.00	15			
1765	1.0 C.Y.	3,861	0.75	0.97	0.22	0.44	0.00	0.53	0.00	18			
1770	1.5 C.Y.	4,783	0.93	1.19	0.27	0.55	0.00	0.65	0.00	26			
1775	2.0 C.Y.	5,674	1.10	1.40	0.32	0.65	0.00	0.76	0.00	32			
1780	2.5 C.Y.	6,653	1.30	1.65	0.38	0.77	0.00	0.90	0.00	37			
1785	3.0 C.Y.	8,210	1.59	2.04	0.46	0.94	0.00	1.11	0.00	46			
1790	3.5 C.Y.	9,067	1.76	2.25	0.51	1.04	0.00	1.22	0.00	50			
1795	4.0 C.Y.	11,116	2.15	2.76	0.63	1.27	0.00	1.50	0.00	65			
1800	4.5 C.Y.	11,803	2.29	2.94	0.66	1.35	0.00	1.60	0.00	69			
1805	5.0 C.Y.	14,274	2.77	3.55	0.81	1.64	0.00	1.93	0.00	85			

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

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

HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED (CONT'D)													
1810	6.0 C.Y.	15,438	2.99	3.83	0.87	1.77	0.00	2.08	0.00	90			
1815	7.0 C.Y.	16,924	3.28	4.21	0.95	1.94	0.00	2.29	0.00	101			
1820	8.0 C.Y.	18,764	3.64	4.65	1.06	2.15	0.00	2.53	0.00	112			
1825	9.0 C.Y.	21,648	4.20	5.38	1.22	2.48	0.00	2.93	0.00	128			
1830	10.0 C.Y.	23,521	4.56	5.84	1.33	2.70	0.00	3.18	0.00	139			
1835	12.0 C.Y.	28,831	5.59	7.15	1.62	3.30	0.00	3.89	0.00	166			
1840	14.0 C.Y.	33,153	6.43	8.22	1.87	3.80	0.00	4.47	0.00	191			
HENDRIX - MODEL TS, MEDIUM WEIGHT													
1850	.75 C.Y.	3,782	0.73	0.94	0.21	0.43	0.00	0.51	0.00	17			
1855	1.0 C.Y.	4,616	0.90	1.14	0.26	0.53	0.00	0.62	0.00	19			
1860	1.5 C.Y.	5,772	1.12	1.43	0.32	0.66	0.00	0.78	0.00	28			
1865	2.0 C.Y.	6,928	1.35	1.71	0.40	0.80	0.00	0.93	0.00	36			
1870	2.5 C.Y.	7,977	1.54	1.98	0.45	0.91	0.00	1.08	0.00	41			
1875	3.0 C.Y.	9,535	1.85	2.37	0.54	1.09	0.00	1.29	0.00	49			
1880	3.5 C.Y.	10,531	2.04	2.61	0.60	1.21	0.00	1.42	0.00	54			
1885	4.0 C.Y.	12,728	2.47	3.16	0.72	1.46	0.00	1.72	0.00	70			
1890	4.5 C.Y.	13,566	2.64	3.37	0.77	1.56	0.00	1.83	0.00	72			
1895	5.0 C.Y.	17,400	3.37	4.32	0.98	1.99	0.00	2.35	0.00	93			
1900	6.0 C.Y.	17,979	3.49	4.47	1.01	2.06	0.00	2.43	0.00	96			
1905	7.0 C.Y.	20,545	3.99	5.10	1.16	2.36	0.00	2.77	0.00	111			
1910	8.0 C.Y.	22,618	4.38	5.61	1.27	2.59	0.00	3.05	0.00	122			
1915	9.0 C.Y.	27,126	5.26	6.73	1.53	3.11	0.00	3.66	0.00	149			
1920	10.0 C.Y.	28,893	5.60	7.17	1.62	3.31	0.00	3.90	0.00	159			
1925	12.0 C.Y.	36,813	7.14	9.14	2.08	4.22	0.00	4.97	0.00	202			
1930	14.0 C.Y.	40,992	7.95	10.18	2.31	4.70	0.00	5.54	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-SHIP	FUEL	OWNER-SHIP	FUEL					
BUCKETS, DRAGLINE (CONT'D)														

HENDRIX - MODEL MH-S, HEAVY WEIGHT														
1940	2.75 C.Y.	15,136	2.94	3.75	0.86	1.74	0.00	2.04	0.00	69				
1945	3.0 C.Y.	15,744	3.05	3.90	0.89	1.80	0.00	2.12	0.00	72				
1950	3.5 C.Y.	17,635	3.42	4.37	0.99	2.02	0.00	2.37	0.00	81				
1955	4.0 C.Y.	23,615	4.58	5.86	1.33	2.71	0.00	3.19	0.00	110				
1960	4.5 C.Y.	26,403	5.11	6.56	1.48	3.02	0.00	3.57	0.00	123				
1965	5.0 C.Y.	27,264	5.28	6.77	1.53	3.12	0.00	3.68	0.00	127				
1970	6.0 C.Y.	29,194	5.66	7.25	1.65	3.35	0.00	3.94	0.00	136				
1975	7.0 C.Y.	37,152	7.20	9.22	2.09	4.26	0.00	5.01	0.00	175				
1980	8.0 C.Y.	38,213	7.41	9.49	2.15	4.38	0.00	5.16	0.00	180				
1985	9.0 C.Y.	48,683	9.44	12.08	2.74	5.58	0.00	6.57	0.00	234				
1990	10.0 C.Y.	50,064	9.70	12.43	2.81	5.73	0.00	6.76	0.00	243				
1995	12.0 C.Y.	59,544	11.54	14.78	3.35	6.82	0.00	8.04	0.00	289				
2000	14.0 C.Y.	62,918	12.20	15.61	3.54	7.21	0.00	8.49	0.00	309				
SAUERMAN - CRESCENT SCRAPER														
WITH DRAGLINE CONVERSION KIT														
2010	SC-1050-K 1.0 C.Y.	9,770	1.89	2.43	0.55	1.12	0.00	1.32	0.00	15				
2015	SC-1060-K 1.5 C.Y.	12,525	2.42	3.11	0.70	1.43	0.00	1.69	0.00	20				
2020	SC-1070-K 2.0 C.Y.	17,131	3.32	4.26	0.96	1.96	0.00	2.32	0.00	25				
2025	SC-1090-K 3.0 C.Y.	22,706	4.41	5.64	1.28	2.61	0.00	3.07	0.00	36				
2030	SC-1100-K 4.0 C.Y.	33,865	6.56	8.40	1.91	3.88	0.00	4.57	0.00	49				
2035	SC-1110-K 5.0 C.Y.	38,647	7.49	9.60	2.17	4.43	0.00	5.22	0.00	58				
2040	SC-1120-K 6.0 C.Y.	46,805	9.07	11.61	2.63	5.36	0.00	6.31	0.00	68				
2045	SC-1130-K 8.0 C.Y.	56,951	11.04	14.14	3.21	6.53	0.00	7.69	0.00	88				
2050	SC-1140-K 10.0 C.Y.	69,087	13.39	17.14	3.88	7.91	0.00	9.32	0.00	106				
2055	SC-1150-K 12.0 C.Y.	80,292	15.57	19.93	4.52	9.21	0.00	10.84	0.00	132				

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					
COMPACTORS, MANUALLY OPERATED									
2065	UR-12 INGERSOLL-RAND RAMMER	3 HP G	1,553	1.02	0.11	0.26	0.37		1
2070	GVR75Y WACKER RAMMER	3 HP G	1,226	0.91	0.09	0.21	0.37		1
2075	GVR100 WACKER RAMMER	5 HP G	1,659	1.36	0.12	0.28	0.61		1
2080	GVR151Y WACKER RAMMER	5 HP G	2,159	1.54	0.15	0.36	0.61		2
2085	GVR220Y WACKER RAMMER	6 HP G	2,780	1.93	0.20	0.47	0.74		2
2090	VPG160B WACKER VIBRO PLATE	3 HP G	1,096	0.85	0.08	0.18	0.37		2
2095	VPG260K WACKER VIBRO PLATE	7 HP G	1,715	1.69	0.13	0.29	0.86		3
2100	VPG600 WACKER VIBRO PLATE	9 HP G	3,245	2.56	0.24	0.55	1.11		7
2105	DPS2350 WACKER VIBRO PLATE	7 HP D	3,376	1.72	0.24	0.57	0.40		4
2110	DPS4570 WACKER VIBRO PLATE	10 HP D	5,443	2.67	0.39	0.91	0.57		8
2115	DVU4001 WACKER VIBRO PLATE	10 HP D	11,085	4.72	0.80	1.87	0.57		13
2120	W 55 T WACKER D/D ROLLER	8 HP D	10,738	4.43	0.77	1.80	0.45		17
2125	W 74 T WACKER D/D ROLLER	8 HP D	12,113	4.93	0.87	2.04	0.45		19
2130	BW 75 SL BOMAG D/D ROLLER	9 HP D	13,739	5.59	0.98	2.31	0.51		27
2135	BW 90 SL BOMAG D/D ROLLER	13 HP D	16,738	6.96	1.20	2.82	0.74		35
CONCRETE BUGGIES - AEROIL									
2145	5 CF WALK-BEHIND	5 HP G	1,486	0.94	0.08	0.17	0.48		3
CONCRETE FINISHERS - BOMAG									
2155	MOD F46B4 GYRO TROWEL	7 HP G	1,389	1.17	0.08	0.16	0.67		2
2160	MOD RF2B4 DOUBLTROWEL	16 HP O	5,465	3.14	0.31	0.62	1.53		7
2165	MOD RF3B3 TRIPLTROWEL	16 HP G	7,046	3.47	0.40	0.81	1.53		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 COND.	SEVERE COND.										
			AVERAGE	SEVERE													
CONCRETE PAVERS																	

CMII																	
2175	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANES, AND SIDEWALKS	142 HP D	126,396	34.31		7.10	13.92	5.77	263								
2180	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP D	223,112	58.35		12.53	24.57	8.46	470								
2185	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	391,892	96.47		22.00	43.16	10.16	720								
GOMACO																	
2195	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	50 HP G	25,763	11.37		1.44	2.82	4.45	91								
2200	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	115,162	29.73		6.46	12.68	4.07	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	22,821	6.90		1.40	3.03	0.72	45								
2215	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP D	25,552	8.26		1.58	3.42	1.20	60								
2220	GM27 ROTARY GUN 1-4 CY/HR INCL. HOSE,REQ. 400 CFM COMP.	400CFM A	9,394	2.64		0.58	1.26	0.00	15								
2225	GM57 ROTARY GUN 4-12 CY/HR INCL. HOSE,REQ. 600 CFM COMP.	600CFM A	15,188	4.27		0.94	2.04	0.00	30								
CHALLENGE SQUEEZ-CRETE																	
2235	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP D	44,061	16.35		2.73	5.93	3.72	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 COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CONCRETE PUMPS *****														
MORGEN														
2245	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	51,695	22.02			3.20	6.95	6.59		70				
2250	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	132,556	54.15			8.19	17.74	15.05		255				
SCHWING														
2260	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	45,827	17.17			2.84	6.16	4.01		66				
2265	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	71,603	30.47			4.42	9.57	9.11		98				
2270	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	73,527	30.97			4.53	9.82	9.11		98				
2275	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	140,197	53.01			8.62	18.60	12.54		302				
2280	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	202,641	69.43			12.48	26.98	12.54		321				
2285	MOD BPL1201 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	253,331	88.75			15.57	33.58	17.13		408				
2290	MOD BPL3000 TRUCK MTD 118 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	256,217	89.51			15.75	33.97	17.13		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)	176,621	33.14	40.82	9.27	17.83	2.99	20.21	3.78	635				
	MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES													
2305	DRAGLINE OR CLAMSHELL (LESS BUCKET)	238,934	39.78	47.26	11.62	20.89	3.66	22.88	4.64	814				
2310	CRANE 35-T W/65' BOOM	245,982	35.63	41.34	12.07	20.92	2.93	22.82	3.78	803				
	MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES													
2320	CRANE 40-T W/75' BOOM	261,619	37.67	43.69	12.84	22.25	2.93	24.28	3.78	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 COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	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	277,487	39.76	46.07	13.62	23.61	2.93	25.75	3.78	1088	
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES										
2340	DRAGLINE OR CLAMSHELL (LESS BUCKET)	334,238	55.97	66.52	16.26	29.23	5.39	32.01	6.83	1278	
2345	CRANE 40-T W/75' BOOM	327,519	47.92	55.68	16.07	27.86	4.31	30.39	5.57	1262	
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES										
2355	CRANE 60-T W/80' BOOM	349,885	47.48	53.98	16.35	26.84	4.31	28.66	5.57	1421	
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES										
2365	CRANE 100T W/200' BOOM	446,182	59.14	67.03	20.84	34.22	4.31	36.55	5.57	1886	
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES										
2375	CRANE 110-T W/200' BOOM	590,298	80.22	91.22	27.57	45.28	7.37	48.36	9.52	2792	
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES										
2385	CRANE 125T W/270' BOOM	618,699	83.65	95.07	28.90	47.45	7.37	50.69	9.52	3150	
2390	DRAGLINE OR CLAMSHELL (LESS BUCKET)	592,451	91.20	105.90	27.32	46.47	9.21	49.80	11.67	2950	
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES										
2400	CRANE 150T W/280' BOOM	700,557	93.58	106.17	32.73	53.74	7.37	57.40	9.52	3400	
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES										
2410	CRANE 165T W/290' BOOM	729,341	94.95	106.55	33.21	52.90	7.37	55.95	9.52	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 COND.	SEVERE COND.	OWNER-SHIP	FUEL	
	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	790,033	102.11	114.46	35.97	57.29	7.37	60.59	9.52
	CRANE 225T W/280' BOOM								3990
	BUCYRUS ERIE - CRAWLER TYPE								
2435	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES	185,065	35.38	43.62	9.71	18.69	3.69	21.18	4.68
2440	CRANE 28-T W/50' BOOM	195,272	29.02	33.77	9.58	16.61	2.95	18.11	3.81
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES								
2450	BACKHOE	252,801	48.35	59.08	12.89	24.21	5.39	27.07	7.09
2455	DRAGLINE OR CLAMSHELL (LESS BUCKET)	248,653	42.35	50.40	12.10	21.74	4.62	23.81	5.86
2460	CRANE 35-T W/60' BOOM	249,807	37.04	43.09	12.26	21.25	3.70	23.17	4.78
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES								
2470	SHOVEL	354,236	66.71	81.41	18.07	33.92	6.67	37.94	8.76
2475	DRAGLINE OR CLAMSHELL (LESS BUCKET)	358,924	60.01	71.31	17.46	31.39	5.71	34.37	7.24
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES								
2485	SHOVEL	512,681	85.11	100.57	24.45	43.09	7.68	46.80	10.09
2490	BACKHOE	491,331	81.96	96.89	23.44	41.31	7.68	44.86	10.09
2495	DRAGLINE OR CLAMSHELL (LESS BUCKET)	494,888	74.85	86.80	22.81	38.81	6.58	41.60	8.34
2500	CRANE 51-T W/70' BOOM	487,373	65.25	74.06	22.76	37.38	5.26	39.93	6.80
	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	608,309	81.06	91.94	28.41	46.66	6.24	49.84	8.06
2515	DRAGLINE OR CLAMSHELL (LESS BUCKET)	580,164	87.86	101.87	26.74	45.50	7.80	48.76	9.88
									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.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
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	620,171	102.87	121.54	29.58	52.13	9.21	56.62	12.11	2096			
2530	BACKHOE	587,305	98.00	115.86	28.01	49.37	9.21	53.62	12.11	2000			
2535	DRAGLINE OR CLAMSHELL (LESS BUCKET)	569,038	86.47	100.28	26.23	44.63	7.90	47.83	10.00	1768			
MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES													
2545	SHOVEL	864,283	144.28	161.77	39.84	67.78	13.67	72.65	17.97	2822			
2550	DRAGLINE OR CLAMSHELL (LESS BUCKET)	697,948	104.34	119.79	31.78	50.62	11.72	53.53	14.84	2274			
LINK BELT (PMC) - 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	191,192	28.34	32.98	9.39	16.27	2.82	17.74	3.65	772			
MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES													
2575	CRANE 60-T W/80' BOOM	291,913	40.37	46.01	13.64	22.39	4.24	23.91	5.47	1232			
MOD LS-338 LIFTING CRANE T/C 170 HP D 20'-0" CRAWLERS W/38" SHOES													
2585	CRANE 100-T W/200' BOOM	400,385	53.67	60.91	18.70	30.71	4.37	32.80	5.64	1512			
MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W/44" SHOES													
2595	CRANE 150-T W/250' BOOM	642,722	85.29	96.69	30.03	49.30	6.29	52.66	8.13	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)	426,440	68.68	80.09	19.66	33.44	9.21	35.85	11.67	2306			
2615	CRANE 100T W/210' BOOM	460,191	64.46	73.59	21.50	35.30	7.37	37.70	9.52	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.							
			AVERAGE	SEVERE		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)	541,183	85.99	100.13	24.95	42.45	10.69	45.49	13.54	2763					
2630	CRANE 140T W/250' BOOM	548,297	76.52	87.34	25.61	42.06	8.55	44.92	11.05	2815					
MOD 4100W VICON SER1 5 CY T/C 360 HP D 24'-6" CRAWLERS W/48" SHOES															
2640	DRAGLINE OR CLAMSHELL (LESS BUCKET)	721,038	111.40	129.39	33.24	56.55	11.56	60.61	14.64	3788					
2645	CRANE 200T W/260' BOOM	730,764	97.31	109.58	33.28	53.00	9.24	56.05	11.94	3929					
MOD 4600 VICON SERIES 3 7CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES															
2655	CRANE 240T W/260' BOOM	1,113,386	152.42	172.32	50.70	80.75	17.59	85.41	22.72	5095					
2660	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,133,150	172.89	198.93	51.60	82.18	21.99	86.92	27.85	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)	250,472	46.20	55.22	12.19	21.91	7.64	23.98	9.68	954					
2680	CRANE 45-T W/60' BOOM	247,710	39.61	46.46	12.15	21.07	6.11	22.99	7.89	947					
MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES															
2690	SHOVEL	420,681	81.49	99.66	21.45	40.28	9.85	45.05	12.94	1510					
2695	DRAGLINE OR CLAMSHELL (LESS BUCKET)	360,742	63.49	75.70	17.55	31.54	8.44	34.54	10.69	1274					
2700	CRANE 40-T W/50' BOOM	356,948	54.65	63.81	17.51	30.36	6.75	33.12	8.72	1267					
MOD 9570 4.0 CY T/C 263 HP D 19'-0" CRAWLERS W/38" SHOES															
2710	DRAGLINE OR CLAMSHELL (LESS BUCKET)	450,655	71.07	82.69	20.78	35.35	8.44	37.88	10.69	1580					
2715	CRANE 60-T W/50' BOOM	446,747	62.10	70.83	20.87	34.27	6.75	36.60	8.72	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	696,883	119.21	141.31	33.24	58.58	13.41	63.62	17.62	2571				
2730	DRAGLINE OR CLAMSHELL (LESS BUCKET)	628,533	98.77	114.92	28.97	49.29	11.49	52.84	14.56	2365				
2735	CRANE 97.5-T W/170' BOOM	650,947	89.71	102.22	30.41	49.93	9.19	53.33	11.87	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)	665,283	102.54	118.13	30.29	48.24	13.80	51.03	17.48	2740				
2750	CRANE 100-T W/170' BOOM	706,682	98.64	112.58	33.01	54.20	11.04	57.89	14.26	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)	234,076	41.94	50.05	11.39	20.47	6.10	22.41	7.73	880				
2770	CRANE 35-T W/50' BOOM	231,070	35.98	42.07	11.34	19.66	4.88	21.43	6.30	880				
MOD 550 1.75 CY T/C 190 HP D 18'-0" CRAWLERS W/30" SHOES														
2780	DRAGLINE (LESS BUCKET)	266,879	46.80	55.80	12.98	23.33	6.10	25.56	7.73	1028				
2785	CRANE 50-T W/80' BOOM	264,204	40.31	47.04	12.96	22.47	4.88	24.51	6.30	1028				
MOD 670WLC 2 CY T/C 190 HP D 18'-6" CRAWLERS W/30" SHOES														
2795	DRAGLINE OR CLAMSHELL (LESS BUCKET)	342,643	58.05	69.04	16.67	29.96	6.10	32.81	7.73	1344				
2800	CRANE 70-T W/150' BOOM	362,260	49.65	56.52	16.92	27.79	4.88	29.68	6.30	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.							
					AVERAGE	SEVERE	OWNER-SHIP	FUEL						
CRANES, HYDRAULIC SELF-PROPELLED														
GROVE														
2615	MOD RT58A	14 TON	112 HP D	103,295	20.05		4.93	8.24	4.55	407				
2820	MOD RT515	15 TON	115 HP D	111,274	21.26		5.31	8.89	4.68	415				
2825	MOD RT518	18 TON	115 HP D	124,514	23.34		5.91	9.85	4.68	448				
2830	MOD RT522	22 TON	115 HP D	136,377	24.94		6.49	10.82	4.68	494				
2835	MOD RT625	25 TON	156 HP D	177,033	32.08		8.42	14.06	6.34	545				
2840	MOD RT740	40 TON	170 HP D	245,860	43.19		11.67	19.42	6.91	755				
2845	MOD RT755	55 TON	170 HP D	292,443	49.93		13.86	23.02	6.91	835				
2850	MOD RT865	65 TON	208 HP D	360,763	60.85		17.16	28.65	8.46	1095				
2855	MOD RT980	80 TON	230 HP D	464,648	76.82		22.05	36.72	9.35	1310				
LORAIN														
2865	MOD LRT150	15 TON	120 HP D	109,086	21.01		5.22	8.79	4.88	438				
2870	MOD LRT180	18 TON	120 HP D	116,256	21.96		5.56	9.38	4.88	450				
2875	MOD LRT220	22 TON	120 HP D	124,196	23.01		5.95	10.03	4.88	468				
P & H														
2885	MOD OMEGA 15	15 TON	125 HP D	105,142	20.74		5.03	8.47	5.08	361				
2890	MOD OMEGA 18	18 TON	125 HP D	109,967	21.37		5.26	8.86	5.08	366				
2895	MOD OMEGA 20	20 TON	125 HP D	113,769	21.88		5.45	9.18	5.08	375				
2900	MOD OMEGA 23	23 TON	125 HP D	129,959	24.36		6.20	10.38	5.08	425				
2905	MOD OMEGA 25	25 TON	155 HP D	165,675	31.41		7.84	13.01	6.30	540				
2910	MOD OMEGA 30	30 TON	155 HP D	170,509	32.06		8.08	13.41	6.30	550				
2915	MOD OMEGA 35	35 TON	202 HP D	234,712	43.38		11.13	18.51	8.21	740				
2920	MOD OMEGA 40	40 TON	202 HP D	242,351	44.40		11.50	19.14	8.21	760				
2925	MOD OMEGA 45	45 TON	202 HP D	249,193	45.29		11.82	19.69	8.21	770				
2930	MOD OMEGA 65	65 TON	235 HP D	331,411	58.38		15.74	26.24	9.56	980				

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	107,465	20.80	5.14	8.66	4.88		456				
2945	MOD 36P	18 TON	120 HP D	123,298	23.23	5.87	9.83	4.88		492				
2950	MOD 100SC	50 TON	188 HP D	276,790	48.21	13.16	21.96	7.64		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	191,154	31.49	36.74	8.76	14.77	6.90	15.83				
2965	60-XC	60 TON W/104' BOOM	197/238 HP D/D	332,161	51.80	60.19	15.24	25.77	9.84	27.60				
GROVE														
2975	TMS185	18 TON W/106' BOOM	172 HP D	184,081	31.81	38.00	8.99	15.48	6.99	16.89				
2980	TMS300	35 TON W/112' BOOM	203 HP D	215,813	36.22	42.71	9.88	16.66	8.25	17.85				
2985	TMS475	50 TON W/142' BOOM	213 HP D	272,409	43.33	50.77	12.49	21.09	8.66	22.60				
2990	TM875	80 TON W/146' BOOM	196/268 HP D/D	397,162	59.74	68.69	17.65	28.73	10.03	30.45				
2995	TM1150	115 TON W/172' BOOM	196/315 HP D/D	608,601	84.28	95.87	27.13	44.36	10.39	47.03				
3000	TM1400	140 TON W/173' BOOM	318/387 HP D/D	714,861	102.34	116.46	31.12	49.49	15.90	52.05				
LINK BELT (FMC)														
3010	HTC-25	25 TON W/95' BOOM	216 HP D	181,112	33.76	40.63	8.83	15.20	8.78	16.57				
3015	HTC-35	35 TON W/108' BOOM	216 HP D	214,102	36.49	43.12	9.82	16.60	8.78	17.79				
3020	HTC-50	50 TON W/122' BOOM	244 HP D	259,362	43.30	51.00	11.90	20.11	9.92	21.54				
PETTIBONE														
3030	50TKLSPC 25 TON W/95' BOOM	210 HP D	186,386	34.06	40.88	9.10	15.68	8.54	17.09	11.23				
3035	80TKLS 40 TON W/112' BOOM	244 HP D	237,392	40.81	48.24	10.89	18.37	9.92	19.67	13.05				
3040	100TKLSPC50 TON W/111' BOOM	244 HP D	264,144	43.92	51.72	12.11	20.46	9.92	21.91	13.05				
3045	160TKLSPC80 TON W/118' BOOM	365 HP D	421,071	68.52	80.07	18.72	30.49	14.84	32.32	19.53				
										1395				

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, TRUCK MOUNTED												

(HP & FUEL LISTED EQUIP/CARRIER)												
AMERICAN												
3055	5470	65 TON W/170' BOOM	115/238 HP D/D	336,506	48.61	55.89	15.40	25.93	6.50	27.76	8.28	1175
3060	5530	75 TON W/170' BOOM	115/238 HP D/D	344,846	48.71	55.49	15.35	25.07	6.50	26.58	8.28	1245
3065	7460	90 TON W/200' BOOM	203/238 HP D/D	429,098	62.82	72.06	19.13	31.30	10.08	33.19	12.99	1503
3070	7530	125 TON W/200' BOOM	203/350 HP D/D	480,613	70.12	80.27	21.41	34.99	10.94	37.10	14.00	1696
3075	8460	165 TON W/200' BOOM	268/350 HP D/D	688,725	95.73	108.47	30.04	47.89	13.58	50.38	17.47	2320
LINK BELT (FMC)												
3085	HC108C	50 TON W/150' BOOM	110/238 HP D/D	331,006	47.71	54.84	15.14	25.49	6.30	27.30	8.02	1197
3090	HC218A	100 TON W/220' BOOM	165/318 HP D/D	458,050	65.84	75.19	20.35	33.14	9.15	35.12	11.68	1566
3095	HC238A	140 TON W/230' BOOM	171/318 HP D/D	549,596	74.90	84.54	23.94	38.11	9.40	40.09	12.00	2068
LORAIN												
3105	MC550A	50 TON W/160' BOOM	115/246 HP D/D	323,962	47.23	54.34	14.82	24.94	6.57	26.70	8.36	1111
3110	MC670A	70 TON W/170' BOOM	150/290 HP D/D	369,332	53.81	61.53	16.46	26.89	8.33	28.50	10.62	1243
3115	MC790	90 TON W/220' BOOM	220/290 HP D/D	458,147	68.39	78.59	20.36	33.15	11.17	35.13	14.37	1594
3120	MC1400	140 TON W/230' BOOM	220/290 HP D/D	550,951	78.11	88.72	23.94	37.94	11.17	39.89	14.37	1950
P & H												
3130	325TC	25 TON W/110' BOOM	83/190 HP D/D	218,453	33.45	39.16	10.67	18.37	4.83	20.02	6.14	645
3135	430ATC	35 TON W/150' BOOM	90/210 HP D/D	245,773	35.84	41.23	11.28	19.06	5.27	20.42	6.70	763
3140	440TC	40 TON W/170' BOOM	90/228 HP D/D	270,269	39.05	44.83	12.39	20.92	5.41	22.40	6.86	964
3145	650ATC	50 TON W/150' BOOM	135/236 HP D/D	355,165	51.79	59.66	16.26	27.39	7.30	29.33	9.34	1178
3150	670TC	70 TON W/180' BOOM	135/255 HP D/D	393,423	55.44	63.17	17.53	28.66	7.45	30.39	9.51	1340
3155	790BTC	90 TON W/200' BOOM	160/350 HP D/D	441,334	63.44	72.41	19.65	32.08	9.19	34.01	11.70	1606
3160	9115	125 TON W/220' BOOM	179/350 HP D/D	544,078	76.13	86.64	24.25	39.68	9.97	42.07	12.71	1709
3165	9150	150 TON W/270' BOOM	210/350 HP D/D	590,406	81.77	92.53	25.73	40.98	11.23	43.11	14.37	1805
3170	6250TC	300 TON W/320' BOOM	364/450 HP D/D	1,210,956	160.97	181.29	52.83	84.28	18.26	88.66	23.51	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	67,131	14.95			3.78	7.68	0.00		91				
3185	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	61,743	13.92			3.48	7.06	0.00		93				
3190	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	70,151	15.92			3.95	8.02	0.00		95				
3195	AT3700A/PR66 ANGLE DRILL 4.0" HOLE 12' FEED	900CFM A	83,336	18.79		4.69	9.53	0.00		146				
3200	ATD5100/PR80H ANGLE DRILL 4.5" HOLE 20' FEED	1200CFM A	93,220	21.10		5.25	10.66	0.00		200				
INGERSOLL-RAND														
3210	ECM350/VL140 4.0" HOLE 12' FEED 750CFM A	76,229	17.06			4.29	8.71	0.00		129				
3215	ECM350/VL671 4.5" HOLE 12' FEED 900CFM A	82,968	18.68			4.67	9.48	0.00		131				
3220	CM2000/VL170 5.0" HOLE 24' FEED 1400CFM A	94,548	21.55			5.32	10.81	0.00		170				
JOY														
3230	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	67,825	15.30			3.81	7.75	0.00		100				
3235	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	77,521	17.41			4.36	8.86	0.00		144				
3240	MUSTANG VCR280 5" HOLE 23' FEED 1200CFM A	94,847	21.44			5.34	10.84	0.00		184				
DRILLS, CORE, AIR, COLUMN MOUNTED														
3250	LONGYEAR 24 WOLVERINE AX 700' EX 450CFM A	16,381	3.86			0.92	1.87	0.00		12				
3255	LONGYEAR 65D EX 600' 400CFM A	10,446	2.57			0.59	1.20	0.00		3				
3260	65D ROD PULLER 21" STROKE 400CFM A	1,563	0.57			0.09	0.18	0.00		1				
DRILLS, CORE, SKID MOUNTED														
ACKER														
3270	TEREDO MARK-II NX 1000' MAX 44 HP D	25,085	8.21			1.42	2.87	2.21		40				
3275	ACE MODEL C NX 725' MAX 20 HP D	17,777	5.13			1.01	2.04	1.01		45				

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, CORE, SKID MOUNTED (CONT'D)														
LONGYEAR														
3285	MOD 24 STD AX 675' MAX	12 HP G	15,692	4.94		0.88	1.79	1.31		17				
3290	MOD 34 NX 1000' MAX	31 HP G	24,062	9.18		1.36	2.75	3.39		38				
3295	MOD 34 NX 1000' MAX	40 HP D	28,581	8.72		1.61	3.27	2.01		39				
3300	MOD 38 NX 1800' MAX	54 HP D	32,821	10.52		1.85	3.75	2.72		41				
3305	MOD 44 NX 2500' MAX	60 HP D	39,490	12.36		2.23	4.52	3.02		56				
SPRAGUE AND HENWOOD														
3315	MOD 37-H NX 400' MAX	18 HP G	14,985	5.54		0.84	1.71	1.97		18				
3320	MOD 40-CL NX 1050' MAX	49 HP D	23,145	8.09		1.30	2.64	2.46		27				
DRILLS, ROTARY														
INGERSOLL-RAND														
3330	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	294,447	66.08		14.27	25.49	15.29		550				
JOY-ROBBINS														
3340	RRT 35 TK MTD 6-1/4" TO 7-7/8"	225 HP D	276,799	58.38		13.41	23.94	11.32		600				
3345	RRT 50 TK MTD 6-3/4" TO 9-0"	335 HP D	420,556	88.07		20.38	36.41	16.85		860				
3350	RRT 60 TK MTD 6-3/4" TO 9-7/8"	350 HP D	447,844	93.26		21.70	38.78	17.60		960				
3355	RR10S CRLR MTD 6-3/4" TO 9-0"	410 HP D	324,883	76.42		15.81	28.38	20.62		1160				
3360	RR10HD ON D9 6-3/4" TO 10-5/8"	410 HP D	359,672	81.86		17.50	31.42	20.62		1340				
3365	RR10XHD ON D9 9-7/8" TO 12-1/4"	410 HP D	541,438	93.65		24.29	40.00	20.62		1830				
3370	RR12E CRLR MTD 9-0" TO 12-1"	725/450 HP E/E	993,012	175.23		44.54	73.36	50.75		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.								
					OWNER-SHIP	FUEL	OWNER-SHIP	FUEL						
FORK LIFTS														

HYSTER - CHALLENGER														
3380	H30H 3000# @ 24" LC (LOAD CNTR)	63 HP G	24,858	11.83	1.39	2.80	5.61		71					
3385	H60C 6000# @ 24" LC	80 HP G	28,552	14.42	1.59	3.21	7.13		103					
3390	H110F 11000# @ 24" LC	116 HP G	43,713	21.35	2.44	4.93	10.34		163					
3395	H150H 15000# @ 24" LC	127 HP G	61,431	26.10	3.41	6.84	11.32		234					
3400	H200HS20000# @ 24" LC	PS 127 HP G	69,559	27.68	3.86	7.77	11.32		256					
3405	H250H 25000# @ 24" LC	PS 127 HP G	72,824	28.33	4.04	8.11	11.32		295					
3410	H300B 30000# @ 24" LC	PS 127 HP G	80,830	29.88	4.50	9.04	11.32		360					
3415	H460B 46000# @ 48" LC	PS 190 HP G	154,384	51.45	8.51	16.96	16.93		590					
GENERATOR SETS, ELECTRIC														

CATERPILLAR														
T = TURBOCHARGED														
TA = TURBOCHARGED AFTER COOLED														
SKID MOUNTED														
3430	MOD 3304 -T 240/480V 75 KW	129 HP D	19,661	9.88	12.48	1.10	1.98	5.25	2.11 6.90 37					
3435	MOD 3306 -T 240/480V 130 KW	200 HP D	23,205	14.05	17.89	1.30	2.33	8.13	2.49 10.70 46					
3440	MOD 3306 -TA 240/480V 150 KW	220 HP D	26,369	15.62	19.84	1.47	2.65	8.95	2.83 11.77 48					
3445	MOD 3406 -T 240/480V 175 KW	260 HP D	28,037	17.92	22.83	1.57	2.82	10.57	3.01 13.91 57					
3450	MOD 3406 -TA 240/480V 200 KW	295 HP D	31,673	20.29	25.88	1.77	3.18	11.99	3.40 15.78 59					
3455	MOD 3408 -T 240/480V 225 KW	330 HP D	37,043	22.98	29.27	2.07	3.72	13.42	3.98 17.65 72					
3460	MOD 3408 -TA 240/480V 265 KW	390 HP D	40,298	26.57	33.89	2.25	4.05	15.86	4.32 20.86 81					
3465	MOD D353 -TA 240/480V 290 KW	425 HP D	73,137	33.96	42.77	4.09	7.35	17.28	7.85 22.74 114					
3470	MOD 3412 -T 240/480V 300 KW	440 HP D	55,390	31.66	40.23	3.09	5.56	17.89	5.95 23.54 91					
3475	MOD 3412 -TA 240/480V 440 KW	625 HP D	64,358	42.54	54.28	3.60	6.47	25.41	6.91 33.44 102					
3480	MOD D348 -TA 240/480V 510 KW	730 HP D	97,798	53.56	67.90	5.47	9.83	29.68	10.50 39.05 140					
3485	MOD D398B-TA 230/460V 565 KW	810 HP D	145,116	65.69	82.64	8.11	14.58	32.93	15.58 43.33 208					
3490	MOD D399 -TA 230/460V 820 KW	1155 HP D	188,268	90.49	114.12	10.52	18.92	46.96	20.21 61.79 268					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.						
	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL						
GENERATOR SETS, ELECTRIC (CONT'D)												
ONAN												
SKID MOUNTED												
3505	120/240V 2.5 KW	6 HP G	1,314	0.88	1.13	0.07	0.13	0.53	0.14	0.70	2	
3510	120/240V 6.5 KW	14 HP G	2,935	2.05	2.60	0.16	0.29	1.25	0.31	1.63	3	
3515	120/240V 10.0 KW	20 HP G	3,218	2.76	3.52	0.18	0.32	1.78	0.34	2.32	4	
3520	120/240V 3.0 KW	6 HP D	3,404	0.88	1.07	0.19	0.34	0.24	0.36	0.32	4	
3525	120/240V 6.0 KW	12 HP D	4,513	1.39	1.69	0.26	0.46	0.49	0.49	0.64	5	
3530	120/240V 12.0 KW	22 HP D	6,492	2.22	2.76	0.37	0.66	0.89	0.70	1.18	7	
3535	120/240V 15 KW	27 HP D	6,783	2.52	3.14	0.38	0.68	1.10	0.73	1.44	14	
3540	120/240V 30 KW	63 HP D	10,030	4.89	6.17	0.56	1.01	2.56	1.07	3.37	19	
3545	120/240V 45 KW	87 HP D	13,260	6.66	8.42	0.74	1.33	3.54	1.43	4.65	25	
3550	120/240V 60 KW	102 HP D	15,193	7.75	9.80	0.85	1.52	4.15	1.63	5.46	26	
3555	120/240V 75 KW	162 HP D	18,063	11.26	14.35	1.01	1.81	6.59	1.94	8.67	30	
3560	120/240V 90 KW	162 HP D	18,900	11.40	14.52	1.05	1.89	6.59	2.03	8.67	30	
3565	120/240V 125 KW	210 HP D	22,138	14.39	18.33	1.24	2.23	8.54	2.37	11.23	50	
3570	120/240V 150 KW	276 HP D	26,334	18.43	23.56	1.47	2.65	11.22	2.83	14.77	65	
GRADERS, MOTOR												
CATERPILLAR												
3585	MOD 120-G	POWER SHIFT ARTIC	125 HP D	100,087	21.53	26.44	5.24	9.21	4.68	10.32	6.15	275
3590	MOD 130-G	POWER SHIFT ARTIC	135 HP D	107,878	23.21	28.49	5.65	9.94	5.06	11.14	6.64	295
3595	MOD 12-G	POWER SHIFT ARTIC	135 HP D	115,324	24.37	29.87	6.04	10.62	5.06	11.90	6.64	313
3600	MOD 140-G	POWER SHIFT ARTIC	150 HP D	118,543	25.62	31.48	6.21	10.90	5.62	12.21	7.38	316
3605	MOD 14-G	POWER SHIFT ARTIC	180 HP D	165,597	34.65	42.54	8.61	15.01	6.74	16.79	8.86	433
3610	MOD 16-G	POWER SHIFT ARTIC	250 HP D	238,116	49.54	60.83	12.36	21.47	9.36	24.03	12.30	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		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
GRADERS, MOTOR (CONT'D)														

CHAMPION														
3620	MOD 710A	ARTICULATED	125 HP D	83,686	19.07	23.50	4.38	7.66	4.68	8.58	6.15	296		
3625	MOD 715A	ARTICULATED	152 HP D	93,706	21.91	27.07	4.90	8.58	5.69	9.60	7.48	306		
3630	MOD 720A	ARTICULATED	168 HP D	100,083	23.70	29.32	5.23	9.15	6.29	10.24	8.27	335		
3635	MOD 740A	ARTICULATED	181 HP D	107,759	25.47	31.46	5.64	9.90	6.78	11.08	8.91	350		
3640	MOD 710	NON-ARTICULATED	125 HP D	78,438	18.26	22.54	4.09	7.16	4.68	8.02	6.15	270		
3645	MOD 715	NON-ARTICULATED	152 HP D	86,369	20.79	25.74	4.51	7.89	5.69	8.83	7.48	279		
3650	MOD 720	NON-ARTICULATED	152 HP D	90,890	21.53	26.63	4.74	8.29	5.69	9.27	7.48	307		
3655	MOD 740	NON-ARTICULATED	181 HP D	99,957	24.32	30.11	5.22	9.13	6.78	10.22	8.91	326		
3660	MOD 760	NON-ARTICULATED	230 HP D	124,065	30.75	38.18	6.43	11.12	8.61	12.43	11.32	384		
FIAT-ALLIS														
3670	MOD-65B	DIRECT DRIVE	68 HP D	53,285	11.49	14.10	2.80	4.94	2.55	5.53	3.35	133		
3675	MOD-100C	CONSTANT MESH	135 HP D	86,638	20.00	24.66	4.53	7.93	5.06	8.88	6.64	280		
3680	MOD-150C	POWER SHIFT	135 HP D	91,290	20.71	25.52	4.77	8.37	5.06	9.38	6.64	286		
3685	MOD-200C	POWER SHIFT	160 HP D	98,059	22.98	28.40	5.13	8.98	5.99	10.05	7.88	292		
GALION														
3695	MOD 503-L	DIRECT DRIVE	68 HP G	53,239	14.69	18.19	2.79	4.93	5.60	5.53	7.25	115		
3700	MOD T-500C	POWER SHIFT	145 HP D	99,356	22.38	27.58	5.20	9.14	5.43	10.24	7.14	281		
3705	MOD T-600C	POWER SHIFT	186 HP D	114,257	26.70	32.98	5.98	10.49	6.97	11.76	9.15	321		
HOISTS														

BEEBE - AIR TUGGERS														
3715	2000P110-24	1.0 T 225 CFM RQD		4,994	1.12		0.28	0.57	0.00		5			
3720	5000P120-24	2.5 T 500 CFM RQD		9,173	2.07		0.52	1.05	0.00		16			
3725	10000P 60-30	5.0 T 500 CFM RQD		11,553	2.66		0.66	1.33	0.00		22			
3730	20000P 50-40	10.0 T 850 CFM RQD		28,816	6.30		1.62	3.30	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							
HOISTS (CONT'D)															
SKAGIT															
3740	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	63,861	18.18	3.59	7.31	4.07			85					
3745	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	86,504	22.85	4.87	9.91	4.07			126					
3750	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	133,402	34.00	7.51	15.28	5.29			240					
3755	RB-90W DOUBLE DRUM W/1-3/8" CABLE	150 HP D	157,968	40.05	8.89	18.09	6.10			300					
HYDRAULIC EXCAVATOR, CRAWLER MOUNTED															
T/B = TELESCOPING BOOM															
B/H = BACKHOE															
AMERICAN															
3770	MOD 185	1.00 CY B/H	103 HP D	112,650	24.81	31.34	6.11	12.07	3.86	13.91					
3775	MOD 25A	1.38 CY B/H	185 HP D	189,602	39.68	48.78	9.67	18.16	6.93	20.30					
3780	MOD 480	2.00 CY B/H	300 HP D	277,734	59.39	73.14	14.17	26.60	11.23	29.74					
3785	MOD 680	4.00 CY B/H	456 HP D	443,737	85.98	103.22	21.16	37.30	17.08	40.51					
BADGER (HOPTO)															
3795	MOD 211	1.00 CY B/H	160 HP D	135,272	31.40	39.74	7.34	14.49	5.99	16.70					
3800	MOD 311	1.88 CY B/H	235 HP D	195,137	42.80	52.79	9.95	18.69	8.80	20.89					
3805	MOD 900B	3.25 CY B/H	308 HP D	235,659	48.57	58.65	11.24	19.81	11.53	21.52					
3810	MOD 1900	4.50 CY B/H	616 HP D	509,233	102.76	123.85	24.28	42.80	23.07	46.49					
BUCKYRUS ERIE															
3820	MOD 300-H	1.00 CY B/H	176 HP D	164,713	37.40	47.30	8.93	17.64	6.59	20.34					
3825	MOD 325-H	1.75 CY B/H	205 HP D	224,353	46.32	56.91	11.44	21.48	7.68	24.02					
3830	MOD 350-H	2.50 CY B/H	248 HP D	284,756	58.25	71.53	14.52	27.26	9.29	30.49					
3835	MOD 400-H	4.25 CY B/H	392 HP D	464,873	86.28	103.16	22.17	39.07	14.68	42.44					
CASE															
3845	MOD 880C "E" BOOM .63 CY	B/H	125 HP D	85,846	20.96	26.58	4.66	9.20	4.68	10.60					
3850	MOD 980B	.75 CY B/H	180 HP D	131,262	31.56	40.00	7.12	14.06	6.74	16.21					
										8.86					
										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	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	122,564	26.02	32.82	6.64	13.12	3.37	15.14	4.43	387			
3865	MOD 225 1.00 CY B/H 125 HP D	152,228	32.90	41.52	8.26	16.31	4.68	18.79	6.15	504			
3870	MOD 235 1.43 CY B/H 195 HP D	266,773	52.92	64.85	13.60	25.54	7.30	28.57	9.60	875			
3875	MOD 245 2.50 CY B/H 325 HP D	405,287	81.68	100.19	20.67	38.81	12.17	43.41	16.00	1318			
DROTT													
3885	MOD 40-D 1.00 CY B/H 157 HP D	108,722	26.49	33.59	5.89	11.64	5.88	13.42	7.73	400			
3890	MOD 50-D 1.25 CY B/H 190 HP D	138,181	31.35	38.75	7.04	13.23	7.12	14.80	9.35	510			
GRADALL													
3900	MOD G-660 .50 CY T/B 115 HP D	139,804	30.23	38.14	7.58	14.97	4.31	17.26	5.66	459			
3905	MOD G-880 .75 CY T/B 160 HP D	174,306	38.41	48.54	9.44	18.66	5.99	21.53	7.88	549			
3910	MOD G-1000 1.25 CY T/B 272 HP D	232,477	50.63	62.44	11.86	22.26	10.19	24.90	13.39	787			
INSLEY													
3925	MOD H1500C 1.50 CY B/H 240 HP D	213,087	46.01	56.69	10.87	20.41	8.99	22.82	11.81	767			
3930	MOD H2500C 2.00 CY B/H 290 HP D	248,833	54.14	66.76	12.69	23.83	10.86	26.65	14.27	955			
3935	MOD H3500C 3.00 CY B/H 390 HP D	333,966	66.78	80.42	15.93	28.07	14.61	30.49	19.20	1275			
KOEHRING													
3945	MOD 166 BANTAM .50 CY B/H 108 HP D	87,650	20.53	26.02	4.75	9.38	4.04	10.83	5.32	321			
3950	MOD 266 BANTAM .88 CY B/H 143 HP D	140,119	31.51	39.85	7.59	15.00	5.36	17.30	7.04	525			
3955	MOD 366 BANTAM 1.50 CY B/H 210 HP D	169,148	37.38	46.13	8.63	16.20	7.86	18.11	10.34	616			
3960	MOD 566 2.00 CY B/H 240 HP D	238,217	50.18	61.73	12.15	22.81	8.99	25.51	11.81	865			
3965	MOD 666 2.38 CY B/H 307 HP D	297,258	62.94	77.47	15.16	28.46	11.50	31.84	15.11	1090			
3970	MOD 866E 3.25 CY B/H 325 HP D	368,688	69.06	82.64	17.58	30.99	12.17	33.66	16.00	1327			
3975	MOD 1066E 4.00 CY B/H 380 HP D	461,089	85.20	101.81	21.99	38.76	14.23	42.09	18.70	1640			
3980	MOD 1166E 5.00 CY B/H 420 HP D	524,800	96.42	115.15	25.03	44.12	15.73	47.91	20.67	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 COND.	SEVERE COND.												
			AVERAGE	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	773,165	148.23	169.89	35.64	60.64	28.46	64.99	37.41	2600								
3990	MOD 1466	6.50 CY B/H 832 HP D	927,132	174.24	199.12	42.74	72.71	31.16	77.94	40.95	2900								
UNIT																			
4005	MOD H202C SER II	.75 CY B/H 152 HP D	122,721	28.79	36.45	6.66	13.15	5.69	15.15	7.48	440								
4010	MOD H342	1.25 CY B/H 228 HP D	210,570	45.06	55.48	10.74	20.17	8.54	22.55	11.22	740								
4015	MOD H471	1.75 CY B/H 304 HP D	261,046	56.79	70.01	13.32	25.00	11.38	27.95	14.96	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	154,280	28.99	34.85	7.52	12.93	7.51	14.09	9.84	450								
4030	MOD G-880	.75 CY T/B 160/210 HP D/D	189,919	34.45	41.04	9.22	15.77	8.12	17.17	10.44	530								
4035	MOD G-1000	1.25 CY T/B 272/312 HP D/D	248,630	46.81	55.43	11.38	19.16	13.46	20.52	17.35	730								
LAND CLEARING EQUIPMENT																			
***** (ADD TO TRACTOR)																			
4045	FLECO LAND CLEARING RAKE FOR D-6		17,434	3.75	4.76	0.99	1.99	0.00	2.33	0.00	67								
4050	FLECO LAND CLEARING RAKE FOR D-7		23,075	4.94	6.29	1.30	2.63	0.00	3.09	0.00	98								
4055	FLECO LAND CLEARING RAKE FOR D-8		34,107	7.27	9.27	1.92	3.88	0.00	4.56	0.00	138								
4060	FLECO CLAMP RAKE FOR CAT 977 (ADD TO 977 LOADER)		17,320	3.83	4.84	0.97	1.97	0.00	2.32	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.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LIGHTING SETS, TRAILER MOUNTED														

ALLMAND METALLIC VAPOR														
4070	30' TOWER 4/1000W LTS	5 KW 11 HP D	12,717	4.25		0.71	1.35	0.59		29				
OVER-LOWE														
METALLIC VAPOR														
4080	38' TOWER 4/1000W LTS	6 KW 12 HP D	11,470	3.96		0.64	1.21	0.64		22				
LOADERS, BELT														

KOLMAN														
4090	101XHD 24"X50"	355 T/HR	28 HP D	29,663	8.09	10.60	1.63	2.87	1.14	3.30	1.50	116		
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4100	PLATE FEEDER DOZER TRAP MODEL 45			5,761	1.17	1.50	0.32	0.58	0.00	0.68	0.00	37		
4105	BELT FEEDER DOZER TRAP MODEL 65			8,063	1.65	2.09	0.45	0.82	0.00	0.94	0.00	36		
4110	WING WALLS STATIONARY			1,297	0.26	0.33	0.07	0.13	0.00	0.15	0.00	9		
4115	TUNNEL EXTENSION W/WING WALLS			7,017	1.44	1.82	0.40	0.72	0.00	0.82	0.00	61		
4120	SINGLE DECK SCREEN SB-70 7'X42			5,423	1.11	1.40	0.30	0.55	0.00	0.63	0.00	19		
4125	DOUBLE DECK SCREEN DC-70-42 7'X42			6,516	1.34	1.70	0.37	0.67	0.00	0.77	0.00	27		
4130	TRIPLE DECK SCREEN TC-70-42 7'X42			8,484	1.74	2.21	0.48	0.87	0.00	1.00	0.00	34		
4135	XHD CONVEYOR JACKLEG			1,058	0.21	0.27	0.06	0.10	0.00	0.12	0.00	9		
4140	101XHD 30"X50"	615 T/HR	42 HP D	33,347	9.72	12.76	1.83	3.22	1.71	3.70	2.25	135		
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4150	PLATE FEEDER DOZER TRAP MODEL 45			7,092	1.45	1.84	0.40	0.72	0.00	0.83	0.00	42		
4155	BELT FEEDER DOZER TRAP MODEL 65			8,489	1.74	2.21	0.48	0.87	0.00	1.00	0.00	40		
4160	WING WALLS STATIONARY			1,297	0.26	0.33	0.07	0.13	0.00	0.15	0.00	9		
4165	TUNNEL EXTENSION W/WING WALLS			7,017	1.44	1.82	0.40	0.72	0.00	0.82	0.00	61		
4170	SINGLE DECK SCREEN SB-80 8'X48			6,115	1.25	1.59	0.34	0.62	0.00	0.72	0.00	23		
4175	DOUBLE DECK SCREEN DC-80-48 8'X48			7,649	1.56	1.99	0.43	0.78	0.00	0.90	0.00	35		
4180	TRIPLE DECK SCREEN TC-80-48 8'X48			9,669	1.97	2.52	0.54	0.98	0.00	1.14	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	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, BELT (CONT'D)														
KOLMAN (CONT'D)														
4185	XHD CONVEYOR JACKLEG	1,058	D.21	0.27	0.06	0.10	0.00	0.12	0.00	9				
4190	101XHD 36"X50' 910 T/HR 56 HP D	38,268	11.69	15.39	2.09	3.66	2.28	4.20	3.00	160				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4200	PLATE FEEDER DOZER TRAP MODEL 45	7,606	1.55	1.97	0.43	0.77	0.00	0.89	0.00	45				
4205	BELT FEEDER DOZER TRAP MODEL 65	8,984	1.84	2.33	0.51	0.92	0.00	1.05	0.00	42				
4210	WING WALLS STATIONARY	1,297	0.26	0.33	0.07	0.13	0.00	0.15	0.00	9				
4215	TUNNEL EXTENSION W/WING WALLS	7,017	1.44	1.82	0.40	0.72	0.00	0.82	0.00	61				
4220	SINGLE DECK SCREEN SB-90 9'X54	6,944	1.41	1.81	0.39	0.70	0.00	0.82	0.00	28				
4225	DOUBLE DECK SCREEN DC-90-54 9'X54	9,163	1.87	2.39	0.51	0.93	0.00	1.08	0.00	43				
4230	TRIPLE DECK SCREEN TC-90-54 9'X54	12,166	2.48	3.16	0.68	1.23	0.00	1.43	0.00	54				
4235	XHD CONVEYOR JACKLEG	1,058	0.21	0.27	0.06	0.10	0.00	0.12	0.00	9				
4240	101XHD 42"X50' 1260 T/HR 84 HP D	46,503	15.19	20.10	2.52	4.40	3.42	5.06	4.49	180				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4250	PLATE FEEDER DOZER TRAP MODEL 45	8,104	1.65	2.11	0.45	0.82	0.00	0.96	0.00	48				
4255	BELT FEEDER DOZER TRAP MODEL 65	10,272	2.10	2.66	0.58	1.05	0.00	1.20	0.00	45				
4260	WING WALLS STATIONARY	1,297	0.26	0.33	0.07	0.13	0.00	0.15	0.00	9				
4265	TUNNEL EXTENSION W/WING WALLS	7,017	1.44	1.82	0.40	0.72	0.00	0.82	0.00	61				
4270	SINGLE DECK SCREEN SB-100 60"X10'	8,699	1.77	2.26	0.48	0.88	0.00	1.02	0.00	37				
4275	DOUBLE DECK SCREEN DC-100 60"X10'	11,347	2.31	2.95	0.63	1.15	0.00	1.33	0.00	55				
4280	TRIPLE DECK SCREEN TC-100 60"X10'	15,198	3.11	3.95	0.85	1.55	0.00	1.79	0.00	68				
4285	XHD CONVEYOR JACKLEG	1,058	0.21	0.27	0.06	0.10	0.00	0.12	0.00	9				
4290	101XHD 48"X50' 1700 T/HR 125 HP D	80,228	24.40	32.00	4.39	7.76	5.08	8.94	6.69	265				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4300	PLATE FEEDER DOZER TRAP MODEL 45	11,439	2.34	2.97	0.65	1.17	0.00	1.34	0.00	51				
4305	WING WALLS STATIONARY	1,297	0.26	0.33	0.07	0.13	0.00	0.15	0.00	9				
4310	TUNNEL EXTENSION W/WING WALLS	7,798	1.59	2.02	0.44	0.79	0.00	0.91	0.00	66				
4315	SINGLE DECK SCREEN SB-120 60"X12'	10,062	2.05	2.62	0.56	1.02	0.00	1.19	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.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, BELT (CONT'D)														
KOLMAN (CONT'D)														
4320	DOUBLE DECK SCREEN DC-120 60"X12"	13,968	2.85	3.63	0.78	1.42	0.00	1.64	0.00	77				
4325	TRIPLE DECK SCREEN TC-120 60"X12"	17,932	3.66	4.66	1.00	1.82	0.00	2.11	0.00	80				
4330	XHD CONVEYOR JACKLEG	1,058	0.21	0.27	0.06	0.10	0.00	0.12	0.00	9				
4335	303 48"X50" 2000 CY/HR	125 HP D	142,703	39.48	52.23	7.75	13.59	5.08	15.64	6.69				
4340	303 48"X60" 2000 CY/HR	185 HP D	158,280	45.88	60.55	8.62	15.17	7.52	17.46	9.90				
4345	303 60"X50" 3600 CY/HR	185 HP D	163,520	48.56	64.69	8.84	15.40	7.52	17.70	9.90				
4350	303 60"X60" 3600 CY/HR	290 HP D	186,420	59.76	79.68	10.07	17.54	11.79	20.16	15.51				
4355	404 48"X50" 2000 CY/HR	185 HP D	174,208	49.06	64.54	9.52	16.80	7.52	19.35	9.90				
4360	404 48"X60" 2000 CY/HR	185 HP D	184,080	51.14	67.24	10.07	17.79	7.52	20.48	9.90				
4365	404 60"X50" 3600 CY/HR	290 HP D	208,286	63.16	83.52	11.34	19.95	11.79	22.97	15.51				
4370	404 60"X60" 3600 CY/HR	290 HP D	228,670	68.38	90.66	12.43	21.83	11.79	25.12	15.51				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4380	SINGLE DECK SCREEN SB-120 72"X12"	11,121	2.27	2.89	0.62	1.13	0.00	1.31	0.00	58				
4385	DOUBLE DECK SCREEN DC-120 72"X12"	14,905	3.05	3.87	0.84	1.52	0.00	1.75	0.00	85				
4390	TRIPLE DECK SCREEN TC-120 72"X12"	19,728	4.02	5.13	1.10	2.00	0.00	2.32	0.00	90				
4395	SINGLE DECK VIBRATING GRIZZLE 72"W	22,218	4.53	5.77	1.24	2.25	0.00	2.61	0.00	80				
LOADERS, FRONT END, CRAWLER TYPE														
CASE														
4405	350 B 3/4 CY	39 HP D	36,167	11.46	14.72	2.03	3.95	1.71	4.63	2.25				
4410	450 B 1 CY	53 HP D	47,791	15.25	19.55	2.69	5.23	2.33	6.11	3.06				
4415	850B 1-1/2 CY	72 HP D	58,363	19.06	24.46	3.28	6.38	3.16	7.46	4.16				
4420	1150 C 1-3/4 CY	105 HP D	83,156	27.30	35.06	4.67	9.09	4.61	10.63	6.07				
4425	1450 B 2-1/4 CY	140 HP D	99,343	33.48	43.02	5.57	10.85	6.14	12.69	8.09				

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., CRAWLER TYPE (CONT'D)														
CATERPILLAR														
4435	931B	1 CY	65 HP D	42,761	14.69	18.91	2.40	4.67	2.85	5.47	3.76	150		
4440	943	1-1/2 CY	80 HP D	77,553	24.37	31.26	4.36	8.48	3.51	9.91	4.62	240		
4445	953	2 CY	110 HP D	97,337	31.17	40.01	5.47	10.64	4.83	12.45	6.36	290		
4450	955L	2-1/4 CY	130 HP D	105,553	34.44	44.22	5.92	11.53	5.70	13.49	7.51	348		
4455	977L	3-1/4 CY	190 HP D	160,893	52.03	66.77	9.03	17.59	8.34	20.57	10.98	512		
4460	983B	4-1/2 CY	275 HP D	247,418	78.94	101.30	13.89	27.04	12.06	31.63	15.89	750		
FIAT-ALLIS														
4470	FL9	1-5/8 CY	87 HP D	65,157	21.67	27.83	3.66	7.12	3.82	8.32	5.03	272		
4475	FL10C	2 CY	122 HP D	81,941	28.02	36.01	4.60	8.96	5.35	10.47	7.05	310		
4480	FL14C	2-5/8 CY	150 HP D	107,760	36.22	46.52	6.05	11.78	6.58	13.77	8.67	410		
4485	FL20	3-1/2 CY	223 HP D	154,952	52.52	67.48	8.70	16.94	9.78	19.80	12.88	605		
INTERNATIONAL														
4495	100-E	1-1/8 CY	65 HP D	52,313	17.10	21.97	2.94	5.72	2.85	6.69	3.76	161		
4500	125-E	1-3/8 CY	78 HP D	62,152	20.38	26.16	3.49	6.80	3.42	7.95	4.51	199		
4505	175-C	2 CY	130 HP D	97,840	32.51	41.75	5.50	10.70	5.70	12.51	7.51	332		
4510	250-C	2-3/4 CY	190 HP D	137,595	46.15	59.28	7.72	15.03	8.34	17.58	10.98	452		
JOHN DEERE														
4520	JD350-C	3/4 CY	42 HP D	37,252	11.92	15.30	2.09	4.07	1.84	4.76	2.43	119		
4525	JD450-C	1-1/4 CY	65 HP D	48,805	16.21	20.84	2.74	5.33	2.85	6.23	3.76	165		
KOMATSU														
4535	D31S-16	1.3 CY	63 HP D	44,267	14.96	19.22	2.49	4.84	2.76	5.66	3.64	156		
4540	D53S-16	1.8 CY	110 HP D	77,050	26.06	33.50	4.33	8.42	4.83	9.85	6.36	300		
4545	D57S-1	2.1 CY	135 HP D	93,316	31.67	40.70	5.24	10.20	5.92	11.93	7.80	337		
4550	D75S-3	3.3 CY	200 HP D	137,461	46.72	60.05	7.72	15.03	8.77	17.57	11.56	503		
4555	D155S-1	5.9 CY	350 HP D	265,500	88.03	113.07	14.91	29.02	15.35	33.94	20.22	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.	OWNER-SHIP	FUEL	OWNER-SHIP										
					AVERAGE	SEVERE													
LOADERS, FRONT END, WHEEL TYPE																			
(ARTIC = ARTICULATED)																			
BOBCAT																			
4565	MOD 310	5 C.F. SKID STEER	16 HP G	7,125	3.34	4.32	0.39	0.75	1.43	0.88	1.86	18							
4570	MOD 313	5 C.F. SKID STEER	13 HP D	8,784	2.52	3.25	0.49	0.94	0.53	1.09	0.70	19							
4575	MOD 540	6.5 C.F. SKID STEER	23 HP G	10,475	4.81	6.25	0.58	1.11	2.05	1.30	2.67	31							
4580	MOD 543	6.5 C.F. SKID STEER	19 HP D	12,447	3.57	4.63	0.69	1.33	0.77	1.55	1.02	33							
4585	MOD 610	9 C.F. SKID STEER	30 HP G	12,839	6.06	7.81	0.71	1.38	2.67	1.61	3.48	43							
4590	MOD 630	9 C.F. SKID STEER	30 HP G	12,210	5.94	7.66	0.68	1.31	2.67	1.53	3.48	34							
4595	MOD 641	10 C.F. SKID STEER	28 HP D	14,576	4.46	5.74	0.81	1.57	1.14	1.83	1.50	39							
4600	MOD 642	10 C.F. SKID STEER	32 HP G	13,104	6.34	8.19	0.73	1.41	2.85	1.64	3.72	38							
4605	MOD 742	10 C.F. SKID STEER	34 HP G	15,532	7.05	9.08	0.87	1.68	3.03	1.96	3.95	45							
4610	MOD 743	10 C.F. SKID STEER	36 HP D	16,797	5.34	6.87	0.93	1.81	1.46	2.12	1.93	46							
4615	MOD 825	12.5 C.F. SKID STEER	42 HP D	20,161	6.46	8.42	1.11	2.13	1.71	2.49	2.25	60							
4620	MOD 843	13.5 C.F. SKID STEER	54 HP D	21,651	7.44	9.67	1.20	2.30	2.20	2.68	2.89	63							
4625	MOD 974	33.8 C.F. SKID STEER	78 HP D	38,482	12.51	16.59	2.10	3.97	3.17	4.63	4.17	121							
CASE																			
4635	W-14	1-1/2 CY ARTIC	83 HP D	55,250	15.81	20.52	3.06	5.87	3.37	6.86	4.44	137							
4640	W-18	2 CY ARTIC	103 HP D	66,572	19.18	24.78	3.70	7.11	4.19	8.30	5.51	185							
4645	W-24 C	2-1/2 CY ARTIC	132 HP D	94,098	26.34	34.06	5.22	10.03	5.37	11.72	7.06	216							
4650	W-36	3-1/2 CY ARTIC	185 HP D	125,207	35.99	46.96	6.91	13.21	7.52	15.41	9.90	332							
CATERPILLAR																			
4660	910	1-1/4 CY ARTIC	65 HP D	49,731	14.09	18.65	2.72	5.15	2.64	6.00	3.48	143							
4665	920	1-3/4 CY ARTIC	80 HP D	66,019	17.84	23.14	3.65	7.01	3.25	8.19	4.28	186							
4670	930	2-1/4 CY ARTIC	100 HP D	74,640	20.78	27.01	4.13	7.91	4.07	9.23	5.35	206							
4675	950-B	3 CY ARTIC	130 HP D	116,870	31.90	42.31	6.39	12.08	5.29	14.07	6.95	323							
4680	966-D	4 CY ARTIC	170 HP D	155,827	43.02	57.78	8.45	15.85	6.91	18.45	9.09	426							
4685	980-C	5-1/4 CY ARTIC	260 HP D	207,719	53.02	69.23	10.64	19.80	10.57	22.37	13.91	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	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.				
LOADERS, F.E., WHEEL TYPE (CONT'D)													
CATERPILLAR (CONT'D)													
4690	988-B	7 CY ARTIC	375 HP D	305,668	76.62	100.24	15.49	28.47	15.25	32.10	20.06	892	
4695	992-C	13 CY ARTIC	690 HP D	632,916	155.92	206.06	31.85	58.10	28.06	65.45	36.91	1916	
CLARK													
4705	35C	1-1/4 CY	82 HP D	56,504	16.36	21.53	3.10	5.89	3.33	6.86	4.39	171	
4710	45C	1-1/2 CY	107 HP D	66,472	19.47	25.27	3.68	7.06	4.35	8.25	5.72	187	
4715	55C	2 CY ARTIC	121 HP D	75,444	22.13	28.77	4.18	8.00	4.92	9.33	6.47	247	
4720	75C	2-1/2 CY ARTIC	154 HP D	113,214	32.05	42.07	6.23	11.86	6.26	13.82	8.24	296	
4725	125C	3-1/2 CY ARTIC	210 HP D	152,239	43.79	57.95	8.33	15.77	8.54	18.37	11.23	419	
4730	175C	4-1/2 CY ARTIC	273 HP D	200,979	52.57	68.77	10.29	19.13	11.10	21.60	14.61	565	
4735	275C	6-1/2 CY ARTIC	360 HP D	275,971	69.29	89.48	14.09	26.16	14.64	29.53	19.26	799	
4740	475C	10 CY ARTIC	612 HP D	531,695	131.04	171.30	26.95	49.56	24.88	55.89	32.74	1544	
FIAT-ALLIS													
4750	345-B	1-1/2 CY ARTIC	80 HP D	50,019	14.66	19.09	2.76	5.29	3.25	6.18	4.28	151	
4755	545-B	2 CY ARTIC	102 HP D	62,738	18.38	23.79	3.48	6.69	4.15	7.81	5.46	176	
4760	605-B	2-1/2 CY ARTIC	108 HP D	71,296	20.58	26.80	3.94	7.54	4.39	8.79	5.78	200	
4765	645-B	3 CY ARTIC	151 HP D	94,139	28.21	37.27	5.15	9.76	6.14	11.38	8.08	246	
4770	FR-20	4 CY ARTIC	215 HP D	147,820	43.21	57.26	8.08	15.28	8.74	17.79	11.50	445	
4775	945-B	6 CY ARTIC	335 HP D	243,382	62.43	81.13	12.38	22.88	13.62	25.82	17.92	700	
INTERNATIONAL													
4785	510B	1-3/8 CY	80 HP D	46,567	14.23	18.80	2.55	4.84	3.25	5.64	4.28	140	
4790	515B	1-5/8 CY	100 HP D	56,964	17.54	23.14	3.12	5.92	4.07	6.90	5.35	167	
4795	520B	2-1/4 CY ARTIC	120 HP D	67,796	20.63	26.97	3.74	7.14	4.88	8.34	6.42	232	
4800	530	2-3/4 CY ARTIC	155 HP D	100,268	30.12	40.21	5.45	10.26	6.30	11.94	8.29	291	
4805	540	3-3/4 CY ARTIC	189 HP D	137,939	39.69	52.68	7.54	14.24	7.68	16.59	10.11	360	
4810	550	5-1/4 CY ARTIC	280 HP D	196,809	52.23	68.41	10.06	18.70	11.38	21.13	14.98	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	281,373	73.11	94.40	14.38	26.70	16.87	30.15	22.20	825		
4820	570	12 CY ARTIC	590 HP D	574,779	137.69	179.74	29.15	53.66	23.99	60.52	31.56	1327		
TEREX (GM)														
4830	72-31B	3 CY ARTIC	160 HP D	100,576	30.47	40.65	5.47	10.29	6.51	11.98	8.56	309		
4835	72-51B	4 CY ARTIC	231 HP D	151,644	41.67	55.17	7.71	14.25	9.39	16.08	12.36	465		
4840	72-61	5-1/2 CY ARTIC	307 HP D	199,304	54.07	70.79	10.19	18.95	12.48	21.41	16.42	605		
4845	72-71B	7-1/2 CY ARTIC	388 HP D	286,144	72.50	93.50	14.63	27.18	15.78	30.69	20.76	857		
4850	72-81	9 CY ARTIC	434 HP D	398,667	96.16	124.79	20.29	37.51	17.65	42.33	23.22	1166		
TROJAN														
4860	1500	1-3/4 CY ARTIC	85 HP D	61,826	17.33	22.50	3.42	6.55	3.46	7.64	4.55	180		
4865	1900	2-1/4 CY ARTIC	117 HP G	71,166	28.16	36.62	3.93	7.52	10.42	8.78	13.58	212		
4870	2000	3 CY ARTIC	144 HP D	101,000	29.64	39.56	5.50	10.34	5.86	12.04	7.70	306		
4875	2500	4 CY ARTIC	182 HP D	126,689	36.82	48.75	6.92	13.11	7.40	15.29	9.74	393		
4880	3000	4-1/4 CY ARTIC	215 HP D	136,375	41.85	56.51	7.36	13.73	8.74	15.97	11.50	436		
4885	5500	5-1/2 CY ARTIC	285 HP D	199,516	52.96	69.31	10.21	18.98	11.59	21.44	15.25	636		
4890	7500	7 CY ARTIC	400 HP D	265,061	69.55	90.06	13.52	25.06	16.26	28.30	21.40	846		
LOADER/BACKHOE, WHEEL TYPE TRACTOR														
CASE														
4900	580D LDR/BHOE	1.0 CY FE BUCKET 24" B/H DIPPER	55 HP D	41,752	11.32	14.27	2.32	4.31	2.24	5.00	2.94	115		
4905	680H LDR/BHOE	1-1/4 CY FE BUCKET 30" B/H DIPPER	80 HP D	60,825	16.51	20.85	3.38	6.26	3.25	7.26	4.28	165		
JOHN DEERE														
4915	410 LDR/BHOE	1 CY FE BUCKET 24" B/H DIPPER	62 HP D	41,026	11.62	14.73	2.27	4.19	2.52	4.86	3.32	137		
4920	510 LDR/BHOE	1-1/2 CY FE BUCKET 24" B/H DIPPER	80 HP D	62,859	17.00	21.50	3.48	6.42	3.25	7.45	4.28	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.	SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
LOADER/BACKHOE, CRLR TYPE TRACTOR													
CASE													
4930	350B LDR/BHOE 3/4 CY FE BUCKET 24" B/H DIPPER	39 HP D	46,117	13.97	17.91	2.59	5.04	1.71	5.90	2.25	141		
4935	450B LDR/BHOE 1 CY FE BUCKET 24" B/H DIP	53 HP D	62,148	18.87	24.16	3.49	6.80	2.33	7.95	3.06	167		
CATERPILLAR													
4945	931BLDR/BHOE 1 CY FE BUCKET 30" B/H DIPPER	65 HP D	57,916	18.51	23.77	3.25	6.33	2.85	7.40	3.76	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		12,177	3.96		0.83	1.76	0.00		12			
4960	IMPACTOR WITH CHISEL TOOL		11,479	3.74		0.78	1.66	0.00		11			
PILE EXTRACTORS													
MKT CORPORATION													
4970	E2 700 FT-LBS	400CFM A	13,225	4.38		0.90	1.90	0.00		27			
4975	E4 1000 FT-LBS	550CFM A	20,028	6.60		1.36	2.88	0.00		47			
VULCAN													
4985	400A 500 FT-LBS	450CFM A	15,577	5.14		1.06	2.24	0.00		30			
4990	800A 1000 FT-LBS	900CFM A	21,332	7.17		1.45	3.08	0.00		57			
4995	1200A 1640 FT-LBS	1350CFM A	25,538	8.75		1.74	3.68	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	SEVERE COND.	OWNERSHIP	FUEL	SEVERE COND.				
PILE HAMMERS, DIESEL ***** (FUEL NOT INCLUDED)													
MKT CORPORATION													
5005	DE-30B/20B (6-FT) 12,000 FT-LBS	34,306	10.86		2.33	4.94	0.00			74			
5010	DE-30B/20B (6-FT) 16,800 FT-LBS	35,687	11.30		2.43	5.14	0.00			82			
5015	DE-70B/50B (6-FT) 30,000 FT-LBS	61,456	19.41		4.17	8.85	0.00			138			
5020	DE-70B/50B (6-FT) 42,000 FT-LBS	65,486	20.68		4.44	9.43	0.00			158			
PILE HAMMERS, SINGLE ACTING *****													
VULCAN													
5030	1 15000 FT-LBS 750CFM A	34,572	11.27		2.35	4.98	0.00			101			
5035	06 19500 FT-LBS 900CFM A	39,679	12.94		2.70	5.72	0.00			121			
5040	08 26000 FT-LBS 1100CFM A	46,240	15.09		3.14	6.66	0.00			175			
5045	010 32500 FT-LBS 1350CFM A	50,712	16.63		3.45	7.31	0.00			195			
5050	012 39000 FT-LBS 1500CFM A	57,448	18.66		3.90	8.27	0.00			287			
5055	014 42000 FT-LBS 1750CFM A	67,744	22.18		4.60	9.76	0.00			283			
5060	016 48750 FT-LBS 1750CFM A	79,501	25.88		5.40	11.45	0.00			320			
5065	020 60000 FT-LBS 2150CFM A	94,404	30.75		6.41	13.59	0.00			425			
5070	030 90000 FT-LBS 2350CFM A	155,684	50.15		10.57	22.42	0.00			575			
PILE HAMMERS, DOUBLE ACTING *****													
MKT CORPORATION													
5080	9-B-3 8750 FT-LBS 900CFM A	25,415	8.44		1.73	3.66	0.00			74			
5085	10-B-3 13100 FT-LBS 1200CFM A	30,569	10.21		2.08	4.40	0.00			114			
5090	11-B-3 19150 FT-LBS 1200CFM A	41,356	13.61		2.81	5.96	0.00			141			
5095	5 (SELF STOP) 1000 FT-LBS 375CFM A	10,326	3.48		0.70	1.49	0.00			17			
5100	6 (SELF STOP) 2500 FT-LBS 600CFM A	13,117	4.43		0.89	1.89	0.00			31			
5105	7 (SELF STOP) 4150 FT-LBS 750CFM A	17,053	5.74		1.15	2.45	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 COND.	SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
PILE HAMMERS, DOUBLE ACTING (CONT'D)													
VULCAN													
5115	50C	15100 FT-LBS	1250CFM	A	44,373	14.57	3.02	6.39	0.00				
5120	65C	19200 FT-LBS	1450CFM	A	50,466	16.60	3.43	7.27	0.00				
5125	80C	24450 FT-LBS	1750CFM	A	54,497	18.01	3.70	7.85	0.00				
5130	100C	32900 FT-LBS	2050CFM	A	65,787	21.71	4.47	9.48	0.00				
5135	140C	36000 FT-LBS	2150CFM	A	82,218	26.90	5.58	11.83	0.00				
5140	200C	50200 FT-LBS	2550CFM	A	117,681	38.27	7.99	16.94	0.00				
PILE HAMMERS, VIBRATORY													
MKT CORPORATION													
5150	V5	WITH POWER PACK	59 HP	D	60,325	22.06	4.09	8.68	2.40				
5155	V16	WITH POWER PACK	156 HP	D	117,871	45.24	8.00	16.97	6.34				
5160	V20	WITH POWER PACK	295 HP	D	159,615	65.61	10.83	22.98	11.99				
PIPELAYER													
CATERPILLAR													
5170	561D	15 FT BOOM, 40,000 LB CAP	105 HP	D	112,299	21.94	27.11	5.93	10.50				
5175	571G	18 FT BOOM, 60,000 LB CAP	200 HP	D	177,753	35.73	44.20	9.38	16.61				
5180	572G	18 FT BOOM, 90,000 LB CAP	200 HP	D	203,706	40.09	49.54	10.75	19.04				
5185	583K	20 FT BOOM, 140,000 LB CAP	300 HP	D	256,549	51.92	64.22	13.55	23.98				
5190	594H	24 FT BOOM, 200,000 LB CAP	410 HP	D	357,901	72.17	89.27	18.89	33.45				
PUMPS, GROUT													
CHEMGROUT													
5200	CG-500	VERSATILE AIR OPERATED			11,379	3.13	0.71	1.53	0.00				
		GROUT PLANT-100 PSI, 230 CFM							11				
5205	CG-550	AIR OPERATED MINI GROUT			4,217	1.20	0.26	0.57	0.00				
		PLANT-100 PSI, 150 CFM							5				
5210	CG-600	AIR OPERATED COLLOIDAL			16,820	4.70	1.04	2.26	0.00				
		MIXER AND PUMP-100 PSI, 450 CFM							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		
	PUMPS, GROUT (CONT'D) *****									
	CHEMGROUT (CONT'D)									
5215	CG-620 COLLOIDAL ADD-ON TO CG-500	7,318	1.98		0.46	0.99	0.00		11	
	PUMPS, WATER (FOR CORE DRILLS) *****									
	LONGYEAR									
5225	520 RQG 5.7-20 GPM UP TO 600PSI 10 HP G	6,158	2.89		0.35	0.71	1.23		7	
5230	535 RQG 9.9-35 GPM UP TO 800PSI 15 HP G	7,798	4.04		0.44	0.90	1.84		10	
	PUMPS, WATER, CENTRIFUGAL, DEWATERING *****									
	HOMELITE - SKID MOUNTED									
5240	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	417	0.42		0.03	0.05	0.25		1	
5245	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	525	0.60		0.03	0.06	0.37		1	
5250	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	953	1.49		0.06	0.11	0.98		2	
	MARLOW - WHEEL MOUNTED									
5260	MOD 4D2 465 GPM @ 20' HEAD 43 HP G	8,225	8.66		0.46	0.94	5.28		14	
5265	MOD 4C7 595 GPM @ 20' HEAD 30 HP D	4,760	3.33		0.27	0.55	1.70		10	
5270	MOD 6B4A 1100 GPM @ 20' HEAD 79 HP G	10,848	15.05		0.61	1.24	9.71		15	
5275	MOD 6B4A 1100 GPM @ 20' HEAD 60 HP D	15,656	7.92		0.89	1.80	3.40		24	
5280	MOD 8FA3 2320 GPM @ 20' HEAD 70 HP D	20,020	9.60		1.13	2.29	3.97		23	
5285	MOD 10FA61 2775 GPM @ 20' HEAD 68 HP D	21,346	9.73		1.21	2.45	3.86		30	
	PUMPS, WATER, CENTRIFUGAL, TRASH *****									
	HOMELITE - SKID MOUNTED									
5295	MOD 121TP 2" - 11500 GPH @ 20' H 5 HP G	823	0.98		0.05	0.09	0.61		1	
5300	MOD 120 3" - 23000 GPH @ 20' H 8 HP G	1,156	1.53		0.06	0.13	0.98		2	
5305	MOD 160TP 4" - 36500 GPH @ 20' H 16 HP G	2,317	3.08		0.14	0.27	1.97		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	SEVERE	OWNERSHIP	FUEL	OWNERSHIP	
	PUMPS, WATER, DIAPHRAGM *****									
	HOMELITE - SKID MOUNTED									
5315	MOD 111DP 2" - 1900 GPH @ 10' HD 3 HP G	985	0.70		0.06	0.12	0.37			1
5320	MOD 111DP 3" - 4800 GPH @ 10' HD 3 HP G	1,156	0.73		0.06	0.13	0.37			2
	PUMPS, WATER, SUBMERSIBLE *****									
	HOMELITE									
5330	MOD SP200 2" - 13000 GPH @ 10' HD 2 HP E	1,248	0.47		0.08	0.15	0.18			1
5335	MOD SP300 3" - 19000 GPH @ 15' HD 4 HP E	1,537	0.77		0.09	0.18	0.36			1
	RIPPER & HYDRAULIC BANK SLOPER *****									
	(DOES NOT INCLUDE COST OF POINT WEAR)									
	ATECO									
5345	VRAR-1 D9H RADIAL LIFT	39,419	10.03	13.68	2.45	5.28	0.00	6.59	0.00	136
5350	D-9H SHANKS EA	3,162	0.80	1.08	0.20	0.42	0.00	0.52	0.00	15
5355	LPAS-D8K PARALLEL LIFT	23,011	5.88	8.02	1.42	3.08	0.00	3.85	0.00	87
5360	D-8K SHANKS EA	2,278	0.58	0.79	0.15	0.31	0.00	0.38	0.00	11
5365	LPAS-D7G PARALLEL LIFT	18,667	4.79	6.53	1.16	2.50	0.00	3.13	0.00	45
5370	D-7G SHANKS EA	1,360	0.34	0.46	0.08	0.18	0.00	0.22	0.00	5
5375	PS D6D RADIAL LIFT	8,574	2.24	3.04	0.54	1.15	0.00	1.44	0.00	24
5380	D-6C SHANKS EA	301	0.08	0.10	0.02	0.04	0.00	0.05	0.00	1
5385	V-LPRF-TD25C PARALLEL LIFT STD SVC	20,032	5.13	6.99	1.24	2.68	0.00	3.35	0.00	89
5390	TD-25C SHANKS EA	1,808	0.45	0.62	0.11	0.24	0.00	0.30	0.00	8
5395	V-LPRF-TD20E PARALLEL LIFT STD SVC	14,411	3.71	5.05	0.90	1.93	0.00	2.41	0.00	51
5400	TD-20E SHANKS EA	1,287	0.32	0.44	0.08	0.17	0.00	0.21	0.00	4
5405	PS-TD15C RADIAL LIFT	7,994	2.09	2.82	0.49	1.07	0.00	1.33	0.00	22
5410	TD-15C SHANKS EA	281	0.07	0.10	0.02	0.04	0.00	0.05	0.00	1
5415	V-LPRF 82-50 PARALLEL LIFT STD SVC	22,533	5.76	7.85	1.39	3.01	0.00	3.77	0.00	96
5420	82-50 SHANKS EA	1,808	0.45	0.62	0.11	0.24	0.00	0.30	0.00	8

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					
RIPPER & HYDR BANK SLOPER (CONT'D)														
(DOES NOT INCLUDE COST OF POINT WEAR)														
ATECO (CONT'D)														
5425	LPRS-82-50	PARALLEL LIFT EXT SVC	21,811	5.58	7.61	1.35	2.92	0.00	3.65	0.00				
5430	82-50	SHANKS EA	4,202	1.06	1.46	0.26	0.56	0.00	0.71	0.00				
5435	V-LPRF-82-30	PARALLEL LIFT	20,032	5.13	6.99	1.24	2.68	0.00	3.35	0.00				
5440	82-30	SHANKS EA	1,808	0.45	0.62	0.11	0.24	0.00	0.30	0.00				
5445	D9,D8;82-30,82-50;TD25	HYDR BANK SLOP	8,412	1.83	2.32	0.47	0.96	0.00	1.13	0.00				
CATERPILLAR														
5455	D-10 MULTI-SHANK BEAM		47,976	12.19	16.64	2.97	6.42	0.00	8.02	0.00				
5460	D-10 SHANKS EA		3,547	0.89	1.22	0.22	0.47	0.00	0.59	0.00				
5465	D-10 SINGLE-SHANK BEAM		50,901	12.92	17.65	3.15	6.81	0.00	8.51	0.00				
5470	D-9L MULTI-SHANK BEAM W/HYD-CONTROL		41,058	10.45	14.25	2.55	5.50	0.00	6.87	0.00				
5475	D-9L SHANKS EA		3,201	0.81	1.11	0.20	0.43	0.00	0.54	0.00				
5480	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK		38,403	9.77	13.33	2.38	5.14	0.00	6.42	0.00				
5485	D-8K MULTI-SHANK BEAM HYD-CONTROL		26,585	6.79	9.26	1.65	3.56	0.00	4.45	0.00				
5490	D-8K SHANKS EA		1,783	0.45	0.62	0.11	0.24	0.00	0.30	0.00				
5495	D-8K SINGLE-SHANK BEAM HYD-CNTL&SHANK		25,811	6.60	8.99	1.60	3.46	0.00	4.32	0.00				
5500	D-7G MULTI-SHANK BEAM HYD-CONTROL		15,406	3.96	5.39	0.95	2.06	0.00	2.58	0.00				
5505	D-7G SHANKS EA		913	0.23	0.32	0.05	0.12	0.00	0.16	0.00				
5510	D-6D MULTI-SHANK BEAM HYD-CONTROL		9,614	2.49	3.39	0.59	1.28	0.00	1.61	0.00				
5515	D-6D SHANKS EA		456	0.11	0.16	0.03	0.06	0.00	0.08	0.00				
5520	D-4E MULTI-SHANK BEAM HYD-CONTROL		5,913	1.56	2.11	0.36	0.79	0.00	0.99	0.00				
5525	D-4E SHANKS EA		253	0.06	0.09	0.02	0.03	0.00	0.04	0.00				
5530	D-3B FIVE-SHANK BEAM HYD-CONTROL		2,591	0.73	0.96	0.16	0.35	0.00	0.43	0.00				
5535	D-3B SHANKS EA		148	0.04	0.06	0.01	0.02	0.00	0.03	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-	FUEL	OWNER-	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	53,947	13.68	18.68	3.34	7.22	0.00	9.02	0.00	195
5550	31-R W/HYD-CNTL AND 2 SHANKS	44,295	11.24	15.34	2.74	5.93	0.00	7.40	0.00	189
5555	30-R W/HYD-CNTL AND 2 SHANKS	28,499	7.24	9.89	1.76	3.81	0.00	4.76	0.00	108
5560	RP20B W/HYD-CNTL AND 3 SHANKS	26,689	6.79	9.26	1.65	3.57	0.00	4.46	0.00	88
ROLLER, RUBBER TIRED, SELF-PROPELLED										
FERGUSON										
5570	MOD SP-912	12 TON	85 HP D	32,477	10.89	1.81	3.51	3.46		82
5575	MOD SP-915	15 TON	85 HP D	34,901	11.37	1.94	3.77	3.46		105
5580	MOD SP-1118	18 TON	85 HP D	45,699	13.57	2.54	4.95	3.46		111
5585	MOD SP-1130	31 TON	125 HP D	77,159	22.47	4.18	7.89	5.08		228
INGRAM										
5595	9-2800-P	12 TON	76 HP D	29,342	9.80	1.63	3.16	3.09		73
5600	9-2800-PA	12 TON	76 HP D	31,687	10.27	1.76	3.42	3.09		86
5605	9-3400-P	15 TON	78 HP D	32,585	10.55	1.81	3.52	3.17		97
5610	11-2700	15 TON	107 HP G	31,326	18.21	1.73	3.36	9.53		89
5615	11-2700	15 TON	76 HP D	34,740	10.90	1.92	3.73	3.09		91
5620	13-2300	15 TON	107 HP G	32,625	18.48	1.80	3.48	9.53		86
5625	13-2300	15 TON	76 HP D	36,087	11.19	1.99	3.86	3.09		90
5630	9-6000	27 TON	117 HP D	79,106	22.07	4.37	8.44	4.76		205
TAMPO										
5640	SP-312	12 TON	68 HP D	32,379	9.99	1.80	3.49	2.76		66
5645	SP-518	15 TON	68 HP D	40,363	11.76	2.21	4.23	2.76		95
5650	SP-950	27 TON	130 HP D	82,340	23.36	4.55	8.80	5.29		198
5655	SP-1070 M	35 TON	130 HP D	100,188	27.10	5.52	10.66	5.29		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	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
ROLLER, RUBBER TIRED, TOWED													

FERGUSON													
5665	RT-100S	50 TON	54,509	10.65			2.68	4.50	0.00	200			
5670	RT-120S	60 TON	63,212	13.33			3.22	5.65	0.00	218			
SOUTHWEST													
5680	C 75	75 TON	70,086	13.68			3.42	5.65	0.00	363			
5685	C 50	50 TON	62,075	12.22			3.12	5.41	0.00	309			
5690	C 100	100 TON	98,465	19.38			5.01	8.79	0.00	551			
TAMPO													
5700	R-13	14 TON	8,541	1.82			0.46	0.83	0.00	35			
ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED													

FERGUSON													
5710	MOD 112	40"X48" 3-7 TON	12,109	2.54			0.68	1.34	0.00	65			
5715	MOD 112W	40"X48" 4.5-8 TON	15,544	3.23			0.87	1.72	0.00	91			
5720	MOD 112W-48	48"X48" 5-10 TON	16,216	3.36			0.91	1.79	0.00	105			
5725	MOD 120	60"X60" 8-18 TON	24,277	4.98			1.36	2.68	0.00	157			
5730	MOD 120 MOD	60"X60" 8-18 TON	36,960	7.53			2.08	4.09	0.00	230			
5735	MOD 120-RE	60"X60" 11-22.5TON	54,306	11.00			3.05	6.00	0.00	327			
5740	MOD 22	60"X72" 16-20 TON	36,371	7.41			2.04	4.01	0.00	215			
5745	MOD 22 MOD	60"X72" 16-20 TON	42,142	8.56			2.36	4.65	0.00	269			
5750	MOD 144-RE	60"X72" 19-24 TON	63,923	12.93			3.59	7.06	0.00	385			
TAMPO													
5760	H-1 TF	40"X48" 2.6TON	5,420	1.21			0.31	0.60	0.00	32			
5765	H-2 TF	40"X48" 5 TON	10,931	2.32			0.62	1.21	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.		
			AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL
ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED								
CATERPILLAR								
5775	815 B	40.5"X38"	170 HP D	142,891	37.23	8.03	15.78	6.91
5780	825C	51"X41.5"	310 HP D	217,530	59.26	12.22	24.03	12.60
5785	825C	W/S BLADE	310 HP D	229,233	61.60	12.87	25.31	12.60
HYSTER								
5795	C455-B	TANDEM	80"X80" ARTIC	330 HP D	237,891	64.35	13.36	26.27
ROLLER, SMOOTH WHEEL, SELF-PROPELLED								
FERGUSON								
5805	3-5 TON	TANDEM	39 HP D	23,484	6.68	1.32	2.59	1.59
5810	4-6 TON	TANDEM	39 HP D	28,507	7.68	1.60	3.14	1.59
5815	5-8 TON	TANDEM	85 HP D	39,179	12.15	2.20	4.33	3.46
5820	8-10 TON	TANDEM	85 HP D	42,659	12.84	2.39	4.71	3.46
5825	8-12 TON	TANDEM	85 HP D	45,906	13.50	2.58	5.07	3.46
5830	10-14 TON	TANDEM	85 HP D	50,684	14.46	2.85	5.60	3.46
INGRAM								
5840	12 TON EB 3 WHEEL 3" OVERLAP	107 HP G	51,090	22.06	2.87	5.64	9.53	194
5845	12 TON EB 3 WHEEL 3" OVERLAP	85 HP D	54,505	15.22	3.06	6.02	3.46	196
5850	14 TON EB 3 WHEEL 3" OVERLAP	107 HP G	54,452	22.74	3.06	6.01	9.53	221
5855	14 TON EB 3 WHEEL 3" OVERLAP	85 HP D	57,867	15.89	3.25	6.39	3.46	223
5860	4-6 TON FB 2 WHEEL	TANDEM	54 HP G	23,910	10.75	1.34	2.64	4.81
5865	6-9 TON GB 2 WHEEL	TANDEM	107 HP G	34,185	18.67	1.92	3.77	9.53
5870	6-9 TON GB 2 WHEEL	TANDEM	76 HP D	37,599	11.37	2.11	4.15	3.09
5875	8-12 TON HB 2 WHEEL	TANDEM	107 HP G	41,614	20.16	2.33	4.59	9.53
5880	8-12 TON HB 2 WHEEL	TANDEM	76 HP D	45,029	12.86	2.53	4.97	3.09
5885	10-14 TON HB 2 WHEEL	TANDEM	107 HP G	45,994	21.04	2.58	5.08	9.53
5890	10-14 TON HB 2 WHEEL	TANDEM	76 HP D	49,443	13.75	2.78	5.46	3.09

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, SINGLE DRUM, TOWED ***** TF-ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS													
	OYNAPAC												
5900	CK-11	40HZ	30"X55"	5 TON	18 HP	G	12,121	6.02	0.75	1.57	2.21	31	
5905	CF-11	40HZ	TF 30"X55"	5 TON	18 HP	G	14,739	6.72	0.90	1.90	2.21	32	
5910	CH-47	27HZ	47"X74"	13 TON	43 HP	D	31,107	11.43	1.91	4.02	2.44	130	
5915	CR-47	27HZ	TF 47"X74"	13 TON	43 HP	D	33,657	12.13	2.07	4.36	2.44	135	
5920	CK-51	25HZ	59"X83"	24 TON	95 HP	D	48,405	19.76	2.98	6.26	5.39	221	
5925	CF-51	25HZ	TF 59"X83"	24 TON	95 HP	D	50,447	20.30	3.10	6.52	5.39	216	
	FERGUSON												
5935	65	25HZ	TF 60"X72"	11 TON	49 HP	D	35,189	12.96	2.17	4.55	2.78	110	
5940	652	30HZ	TF 44"X72"	11 TON	49 HP	D	38,385	13.82	2.36	4.96	2.78	127	
5945	230	25HZ	66"X78"	20 TON	77 HP	D	58,038	21.10	3.57	7.51	4.37	234	
5950	230T	25HZ	TF 55"X78"	21 TON	77 HP	D	63,076	22.46	3.88	8.16	4.37	268	
	Hyster												
5960	C200B	30HZ	48"X60"	9 TON	36 HP	D	29,604	10.53	1.82	3.83	2.04	80	
5965	C210A	30HZ	TF 58"X60"	9 TON	39 HP	D	35,362	12.29	2.17	4.57	2.21	100	
	RAYGO												
5975	SF-54A	TF	38HZ 30"X54"	7.5TON	30 HP	D	17,990	6.97	1.11	2.33	1.70	48	
5980	SM-54A		38HZ 30"X54"	7.5TON	30 HP	D	16,393	6.54	1.01	2.12	1.70	48	
	SOUTHWEST												
5990	756	25HZ	TF 66"X78"	23.5TON	75 HP	D	71,406	24.56	4.40	9.24	4.25	240	
5995	566	33HZ	TF 56"X72"	25.5TON	50 HP	D	54,492	18.24	3.35	7.05	2.84	165	

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					
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	22,137	8.51	1.36	2.86	2.04	71		
6010	VS-125	25HZ TF	48"X72"	11 TON	60 HP D	44,129	16.14	2.72	5.71	3.40	145		
6015	VC-400	23HZ	60"X84"	21.5TON	90 HP D	60,233	22.59	3.70	7.79	5.10	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	53,382	19.59	3.27	6.85	4.14	126		
6030	CA-15A	42HZ	48"X66"	12 TON	73 HP D	59,606	21.29	3.64	7.60	4.14	137		
6035	CA-15PD	29HZ TF	53"X66"	13 TON	73 HP D	66,914	23.25	4.09	8.56	4.14	151		
6040	CA-25A	40HZ	60"X84"	18 TON	125 HP D	80,554	30.67	4.90	10.19	7.09	213		
6045	CA-25	28HZ	60"X84"	18 TON	125 HP D	64,679	26.38	3.91	8.12	7.09	193		
6050	CA-25S	28HZ	61"X84"	22 TON	125 HP D	68,646	27.46	4.16	8.64	7.09	216		
6055	CA-25PD	28HZ	68"X84"	22 TON	125 HP D	78,042	29.99	4.74	9.85	7.09	240		
6060	CA-30	28HZ	61"X84"	22 TON	125 HP D	72,329	28.45	4.39	9.11	7.09	235		
6065	CA-30D	28HZ	61"X84"	22 TON	125 HP D	88,634	32.85	5.39	11.22	7.09	245		
FERGUSON													
6075	SP 266	42HZ	48"X66"	15 TON	125 HP D	71,558	28.13	4.40	9.26	7.09	213		
6080	SP 75BA	30HZ	60"X84"	18 TON	85 HP D	64,442	23.51	3.91	8.11	4.82	197		
6085	SP 75D	30HZ	60"X84"	22.5 TON	120 HP D	70,099	27.50	4.26	8.83	6.81	193		
6090	SP 75DT	30HZ TF	60"X84"	22.5 TON	120 HP D	80,337	30.26	4.88	10.14	6.81	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.								
					OWNER-SHIP	FUEL	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	80,329	29.90	4.88	10.14	6.52		222					
6105	SP-60DD 25HZ 60"X100"	30 TON 210 HP D	126,534	49.11	7.71	16.07	11.91		450					
RAYGO														
6115	RASCAL 220A 30HZ TF38"X48"	6 TON 70 HP D	52,051	19.01	3.19	6.68	3.97		97					
6120	RASCAL 303A 38HZ 48"X66"	8 TON 70 HP D	53,424	19.41	3.27	6.82	3.97		137					
6125	RASCAL 320A 25HZ TF48"X60"	8 TON 80 HP D	71,555	24.99	4.39	9.20	4.54		151					
6130	RASCAL 320S 25HZ 48"X60"	8 TON 80 HP D	61,311	22.24	3.74	7.83	4.54		144					
6135	RUSTLER 304A 28HZ 48"X66"	8 TON 70 HP D	57,538	20.51	3.52	7.36	3.97		130					
6140	RASCAL 400A 25HZ 59"X84"13.5TON	88 HP D	68,172	24.72	4.13	8.57	4.99		213					
6145	RUSTLER 404B 28HZ 59"X84"13.5TON	88 HP D	78,980	27.65	4.80	9.99	4.99		184					
6150	RASCAL 410A 25HZ 59"X84"13.5TON	88 HP D	80,224	27.98	4.87	10.13	4.99		246					
6155	RASCAL 420C 25HZ TF60"X84"	16 TON 119 HP D	88,795	32.47	5.40	11.26	6.75		223					
6160	RASCAL 4000 25HZ 60"X84"	20 TON 125 HP D	77,013	29.71	4.67	9.71	7.09		209					
6165	RASCAL 510A 25HZ 60"X80"22.5TON	119 HP D	99,757	35.79	5.91	12.00	6.75		374					
6170	RASCAL 600A 25HZ 60"X100"22.5TON	119 HP D	87,013	32.34	5.12	10.34	6.75		332					
6175	RASCAL 450A 28HZ 59"X84"28.5TON	125 HP D	81,971	31.21	4.91	10.08	7.09		263					
TAMPO														
6185	RS-16A 26HZ 48"X24"	7.5TON 68 HP D	52,676	19.07	3.22	6.73	3.86		124					
6190	RS-16 26HZ 48"X24"	8 TON 68 HP D	46,208	17.31	2.83	5.92	3.86		115					
6195	RS-16D 26HZ 48"X24"	8 TON 80 HP D	55,884	20.75	3.42	7.16	4.54		123					
6200	RH-16A 26HZ 48"X24"	9 TON 75 HP D	61,660	21.97	3.77	7.89	4.25		153					
6205	RP-16D 26HZ TF 48"X24"	9 TON 80 HP D	61,352	22.24	3.76	7.88	4.54		127					
6210	RP-28D 25HZ TF 63"X84"	15 TON 110 HP D	80,808	29.69	4.91	10.21	6.24		212					
6215	RS-28C 25HZ 60"X84"	15 TON 107 HP D	67,635	25.92	4.10	8.50	6.07		202					

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, 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	72,944	27.35	4.43	9.19	6.07	208
6225	RH-28D	28HZ	60"X84"	22.5TON	110 HP	D	92,427	32.83	5.62	11.71	6.24	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	9,511	3.70	0.59	1.23	0.91	21
6240	CC-10	50HZ	TANDEM	2 TON	34 HP	D	27,315	9.77	1.68	3.53	1.93	50
6245	CC-21	50HZ	TANDEM	4 TON	71 HP	D	61,622	21.66	3.80	7.98	4.03	133
6250	CC-42II	42HZ	TANDEM	12 TON	125 HP	D	79,452	30.26	4.89	10.28	7.09	200
6255	CC-50A	40HZ	TANDEM	18 TON	155 HP	D	100,243	37.99	6.17	12.97	8.79	304
6260	CC-50S	28HZ	TANDEM	22 TON	181 HP	D	115,146	43.83	7.09	14.90	10.26	342
6265	CC-50PD	28HZ	TF TANDEM	22 TON	225 HP	D	130,761	51.14	8.04	16.91	12.76	419
RAYGO												
6275	REBEL 1-36	40HZ TANDEM	2 TON	16 HP	D	9,702	3.76	0.60	1.26	0.91	23	
6280	ROMPER 2-36	40HZ TANDEM	4 TON	35 HP	D	23,187	8.73	1.43	3.00	1.98	40	
6285	RUSTLER 5604A	50HZ TANDEM	5.5TON	70 HP	D	61,015	21.40	3.75	7.89	3.97	132	
6290	RUSTLER 7204A	38HZ TANDEM	8 TON	115 HP	D	84,592	30.94	5.20	10.94	6.52	250	
6295	RANGER 2-66	38HZ TANDEM	8 TON	119 HP	D	97,652	34.76	6.01	12.64	6.75	215	
TAMPO												
6305	RS-03	60HZ	36"X24"	2 TON	14 HP	D	9,558	3.56	0.59	1.23	0.79	23
6310	RS-144A	50HZ	42"X48"	8 TON	52 HP	D	48,207	16.68	2.96	6.23	2.95	100
6315	RS-166A	36HZ	48"X66"	16 TON	80 HP	D	73,539	25.50	4.52	9.51	4.54	192
6320	RS-188A	36HZ	60"X84"	30 TON	156 HP	D	99,288	37.79	6.11	12.84	8.85	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	148,301	58.50		9.13	19.19	14.86	491		
SCRAPERS, SELF-PROPELLED											

(CAPACITY AS RECOMMENDED BY MFGR											
HP & FUEL LISTED TRACTOR/SCRAPER											
PP = PUSH PULL ATTACHMENT)											
CATERPILLAR											
6335	613-B	13 T 11 CY P.S. 150 HP D	120,381	35.48	46.90	6.44	11.93	6.26	13.86	8.19	324
6340	621-B	24 T 14-20 CY P.S. 330 HP D	241,723	68.63	91.83	12.86	24.59	12.36	28.71	16.24	648
6345	623-B	25 T 22 CY P.S. 330 HP D	267,573	74.97	99.62	14.27	26.34	13.77	30.59	18.01	713
6350	627-B	24 T 14-20 CY P.S. 225/225 HP D/D	280,229	82.88	109.26	15.33	30.22	17.82	35.43	23.11	726
6355	627-B PP	24 T 14-20 CY P.S. 225/225 HP D/D	297,355	86.14	113.30	16.30	32.18	17.82	37.72	23.11	768
6360	631-D	37.5T 21-31 CY P.S. 450 HP D	361,096	95.19	124.57	19.67	38.60	16.85	45.23	22.15	934
6365	633-D	37.5T 34 CY P.S. 450 HP D	411,496	106.81	138.84	22.46	42.52	18.78	49.54	24.56	1038
6370	637-D	37.5T 21-31 CY P.S. 450/255 HP D/D	443,378	130.09	171.09	24.30	47.98	27.91	56.26	36.21	1040
6375	637-D PP	37.5T 21-31 CY P.S. 450/255 HP D/D	462,265	133.69	175.56	25.37	50.14	27.91	58.79	36.21	1087
6380	641-B	47 T 28-38 CY P.S. 550 HP D	449,776	117.92	154.17	24.53	48.15	20.60	56.41	27.07	1167
6385	651-B	52 T 32-44 CY P.S. 550 HP D	468,073	121.28	158.37	25.55	50.23	20.60	58.86	27.07	1191
6390	657-B	52 T 32-44 CY P.S. 550/400 HP D/D	577,006	170.03	223.06	31.68	62.65	37.61	73.47	48.79	1435
CLARK											
6400	110-9	11 T 9.5CY P.S. 160 HP D	100,577	30.59	39.81	5.47	10.34	6.68	12.04	8.73	286
6405	110-11B	13 T 11 CY P.S. 174 HP D	115,211	34.45	44.81	6.28	11.87	7.26	13.84	9.50	345
6410	110-15B	18 T 15 CY P.S. 232 HP D	150,854	43.10	56.33	8.19	15.42	9.68	17.94	12.66	456
6415	110H-TB	19 T 16 CY P.S. 140/140 HP D/D	204,311	57.67	75.83	11.20	22.13	11.09	25.95	14.38	521
6420	210-HB	26.5T 23 CY P.S. 324 HP D	250,563	67.79	88.22	13.67	25.85	13.52	30.11	17.68	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	COND.	SEVERE	COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
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	164,219	45.43	59.21	8.94	16.88	9.56	19.65	12.50	449	
6435	200B	25.0 T	15-21 CY P.S.	325 HP D	221,398	60.78	79.61	12.05	23.64	12.17	27.70	16.00	584	
6440	261B	26.5 T	23 CY P.S.	325 HP D	250,911	67.55	87.76	13.71	25.99	13.56	30.29	17.74	630	
6445	262B	25.0 T	15-21 CY P.S.	325/171 HP D/D	267,327	82.70	109.15	14.61	28.75	19.64	33.70	25.47	679	
6450	263-B	26.5 T	23 CY P.S.	325/171 HP D/D	314,400	91.20	119.41	17.29	34.23	19.64	40.15	25.47	742	
INTERNATIONAL														
6460	412B	13 T	11 CY P.S.	168 HP D	118,066	34.58	44.89	6.45	12.22	7.01	14.25	9.17	335	
6465	431B	24 T	14-21 CY P.S.	326 HP D	234,636	63.63	83.35	12.77	25.02	12.21	29.32	16.05	594	
6470	433B	24 T	14-21 CY P.S.	326/185 HP D/D	275,201	84.94	111.97	15.06	29.65	20.23	34.75	26.24	690	
6475	442B	25 T	22 CY P.S.	326 HP D	262,289	70.35	91.61	14.29	27.01	13.60	31.46	17.79	680	
6480	444B	25 T	22 CY P.S.	326/185 HP D/D	307,780	91.70	120.77	16.85	33.23	20.23	38.96	26.24	805	
JOHN DEERE														
6490	JD762	13.7 T	11 CY P.S.	175 HP D	124,368	36.22	46.95	6.81	12.92	7.30	15.06	9.55	355	
6495	JD862	20.0 T	16 CY P.S.	250 HP D	167,135	47.05	61.30	9.10	17.20	10.43	20.03	13.64	492	
TEREX (GM)														
6505	S-23E	26.5T	23 CY P.S.	310 HP D	249,135	67.10	87.50	13.56	25.58	12.94	29.78	16.92	658	
6510	S-24B	40.8T	24-34 CY P.S.	475 HP D	382,522	102.72	135.54	20.67	40.20	17.79	47.04	23.38	955	
6515	TS-14B	23.5T	14-20 CY P.S.	144/144 HP D/D	243,464	66.93	88.36	13.32	26.25	11.40	30.77	14.79	544	
6520	TS-18	30 T	18-24 CY P.S.	295/225 HP D/D	318,824	94.25	123.97	17.47	34.49	20.59	40.44	26.71	721	
6525	TS-24	40 T	24-32 CY P.S.	394/225 HP D/D	427,497	122.51	161.23	23.43	46.24	24.51	54.22	31.79	959	
6530	TS-24B	40.8T	24-34 CY P.S.	475/242 HP D/D	486,241	142.44	188.90	26.51	52.03	28.39	60.95	36.83	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													
SCRAPER, TRACTOR DRAWN																	
ROME																	
6545	ROME 18T 12-17CY HYDR/CONTROL	70,856	13.02	15.72	3.57	6.55	0.00	7.39	0.00	235							
6550	ROME 27T 18-26CY HYDR/CONTROL	93,535	17.48	21.16	4.67	8.43	0.00	9.49	0.00	365							
SOUTHWEST																	
6560	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	36,459	6.74	8.14	1.83	3.32	0.00	3.74	0.00	137							
TRACTOR, CRAWLER (DOZER)																	
CATERPILLAR																	
6570	D-3B P.S. 65 HP D	37,776	12.65	16.29	2.12	3.96	2.85	4.60	3.76	126							
6575	3P POWER ANGLE & POWER TILT	7,692	1.68	2.13	0.44	0.88	0.00	1.03	0.00	24							
6580	D-4E P.S. 75 HP D	47,487	15.52	19.96	2.66	4.98	3.29	5.78	4.33	173							
6585	4A ANGLE BLADE HYDRAULIC	9,894	2.14	2.72	0.56	1.13	0.00	1.33	0.00	28							
6590	4S STRAIGHT BLADE HYDRAULIC	7,764	1.70	2.14	0.44	0.89	0.00	1.03	0.00	25							
6595	D-5B P.S. 105 HP D	78,217	24.50	31.46	4.38	8.20	4.61	9.52	6.07	223							
6600	5A ANGLE BLADE HYDRAULIC	12,436	2.66	3.39	0.70	1.41	0.00	1.66	0.00	43							
6605	5S STRAIGHT BLADE HYDRAULIC	9,566	2.06	2.63	0.53	1.08	0.00	1.28	0.00	32							
6610	D-6D P.S. 140 HP D	105,858	33.04	42.43	5.93	11.10	6.14	12.89	8.09	274							
6615	6S STRAIGHT BLADE HYDRAULIC	12,656	2.71	3.45	0.71	1.44	0.00	1.69	0.00	49							
6620	6A ANGLE BLADE HYDRAULIC	14,271	3.05	3.89	0.80	1.62	0.00	1.91	0.00	53							
6625	D-7G P.S. 200 HP D	150,973	47.12	60.54	8.46	15.82	8.77	18.39	11.56	377							
6630	7S STRAIGHT BLADE HYDRAULIC	20,337	4.31	5.51	1.14	2.31	0.00	2.72	0.00	77							
6635	7U HYD. UNIVERSAL BLADE	22,274	4.73	6.04	1.26	2.54	0.00	2.99	0.00	84							
6640	7A ANGLE BLADE HYDRAULIC	17,756	3.78	4.81	1.00	2.02	0.00	2.37	0.00	68							
6645	D-8K P.S. 300 HP D	203,517	54.31	68.08	10.72	19.73	13.16	22.25	17.33	638							
6650	8S STRAIGHT BLADE HYDRAULIC	29,843	6.31	8.05	1.68	3.40	0.00	3.99	0.00	121							
6655	8U HYD. UNIVERSAL BLADE	32,981	6.93	8.86	1.85	3.74	0.00	4.40	0.00	133							
6660	8A ANGLE BLADE HYDRAULIC	25,530	5.41	6.90	1.44	2.91	0.00	3.42	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	SEVERE	OWNER-SHIP	FUEL					
			AVERAGE	SEVERE										
TRACTOR, CRAWLER (DOZER) (CONT'D)														
CATERPILLAR (CONT'D)														
6665	PUSH PLATE USE W/8S	788	0.21	0.27	0.05	0.09	0.00	0.11	0.00	4				
6670	D-9L P.S. 460 HP D	315,695	77.41	95.37	15.72	28.69	20.18	31.70	26.58	977				
6675	9S STRAIGHT BLADE HYDRAULIC	41,217	8.63	11.09	2.32	4.69	0.00	5.51	0.00	184				
6680	9A ANGLE BLADE HYDRAULIC	32,256	6.80	8.69	1.82	3.67	0.00	4.31	0.00	152				
6685	9U HYD. UNIVERSAL BLADE	43,586	9.17	11.72	2.46	4.96	0.00	5.83	0.00	195				
6690	9C CUSHION BLADE	36,095	7.61	9.72	2.03	4.11	0.00	4.83	0.00	154				
6695	REAR CUSHION PUSH BLOCK	11,005	2.42	3.07	0.62	1.25	0.00	1.48	0.00	54				
6700	FRONT PUSH PLATE	1,196	0.31	0.39	0.06	0.13	0.00	0.16	0.00	7				
6705	D-10 P.S. 700 HP D	531,171	126.30	155.26	26.45	48.28	30.71	53.35	40.45	1526				
6710	10S STRAIGHT BLADE HYDRAULIC	62,260	13.07	16.72	3.51	7.09	0.00	8.33	0.00	280				
6715	10U HYD. UNIVERSAL BLADE	68,191	14.31	18.31	3.84	7.76	0.00	9.13	0.00	289				
6720	FRONT PUSH PLATE	1,370	0.36	0.43	0.08	0.16	0.00	0.18	0.00	7				
6725	REAR PUSH BLOCK	18,491	3.94	5.01	1.05	2.11	0.00	2.47	0.00	48				
FIAT-ALLIS														
6735	8-B P.S. 88 HP D	57,613	18.67	23.99	3.23	6.04	3.86	7.02	5.08	189				
6740	8-HA ANGLE BLADE HYDRAULIC	8,501	1.85	2.35	0.48	0.97	0.00	1.14	0.00	30				
6745	8-HSU SEMI-U BLADE HYDRAULIC	8,489	1.82	2.31	0.47	0.96	0.00	1.13	0.00	30				
6750	10-C P.S. 122 HP D	76,820	25.4	32.35	4.30	8.05	5.35	9.36	7.05	256				
6755	10-HA ANGLE BLADE HYDRAULIC	9,510	2.05	2.61	0.53	1.08	0.00	1.27	0.00	36				
6760	10-HSU SEMI-U BLADE HYDRAULIC	11,527	2.46	3.14	0.65	1.31	0.00	1.55	0.00	38				
6765	14-C P.S. 150 HP D	105,925	33.63	43.22	5.93	11.10	6.58	12.91	8.67	306				
6770	14-HA ANGLE BLADE HYDRAULIC	14,485	3.10	3.95	0.82	1.65	0.00	1.94	0.00	51				
6775	14-HSU SEMI-U BLADE HYDRAULIC	14,464	3.07	3.92	0.82	1.65	0.00	1.94	0.00	51				
6780	20 P.S. 223 HP D	135,092	44.72	57.52	7.57	14.16	9.78	16.46	12.88	453				
6785	20-HA ANGLE BLADE HYDRAULIC	15,630	3.33	4.25	0.88	1.78	0.00	2.09	0.00	66				
6790	20-HS STRAIGHT BLADE HYDRAULIC	16,355	3.48	4.44	0.92	1.86	0.00	2.19	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 OWNER-SHIP	FUEL	SEVERE OWNER-SHIP									
			AVERAGE	SEVERE													
TRACTOR, CRAWLER (DOZER) (CONT'D)																	
FIAT-ALLIS (CONT'D)																	
6795	20-HSU SEMI-U BLADE HYDRAULIC	22,011	4.65	5.94	1.24	2.51	0.00	2.95	0.00	79							
6800	30-C P.S. 300 HP D	201,566	53.94	67.63	10.61	19.54	13.16	22.03	17.33	636							
6805	30HSU HYD. SEMI-UNIVERSAL BLADE	30,958	6.51	8.33	1.74	3.52	0.00	4.14	0.00	127							
6810	30-HU FULL-U BLADE HYDRAULIC	31,153	6.56	8.38	1.76	3.55	0.00	4.17	0.00	114							
6815	31 P.S. 425 HP D	275,861	74.62	93.61	14.53	26.75	18.64	30.15	24.56	908							
6820	31-HSU SEMI-U BLADE HYDRAULIC	46,584	9.78	12.51	2.62	5.30	0.00	6.24	0.00	190							
6825	31-HU FULL-U BLADE HYDRAULIC	48,004	10.07	12.88	2.70	5.46	0.00	6.42	0.00	210							
6830	31-HC CUSHION BLADE	29,883	6.31	8.06	1.68	3.40	0.00	4.00	0.00	120							
6835	41-B P.S. 524 HP D	397,527	94.53	116.20	19.80	36.13	22.99	39.92	30.28	7128							
6840	41-HSU SEMI-U BLADE HYDRAULIC	53,885	11.30	14.46	3.03	6.13	0.00	7.21	0.00	222							
6845	41-HU FULL-U BLADE HYDRAULIC	61,197	12.82	16.42	3.44	6.96	0.00	8.19	0.00	254							
6850	41-HC CUSHION BLADE	33,954	7.16	9.16	1.91	3.86	0.00	4.55	0.00	120							
INTERNATIONAL																	
6860	TD-7-E P.S. W/HYD BLADE 65 HP D	49,282	15.37	19.74	2.76	5.17	2.85	6.00	3.76	139							
6865	TD-8-E P.S. W/HYD BLADE 78 HP D	61,190	18.91	24.31	3.43	6.41	3.42	7.46	4.51	172							
6870	TD-12 P.S. W/HYD BLADE 110 HP D	84,906	26.36	33.86	4.75	8.90	4.83	10.35	6.36	207							
6875	TD-15-C P.S. 140 HP D	100,852	31.85	40.92	5.65	10.57	6.14	12.28	8.09	271							
6880	15D-2 HYD. SEMI-UNIVERSAL BLADE	11,892	2.53	3.23	0.67	1.35	0.00	1.59	0.00	46							
6885	15G-2 ANGLE BLADE HYDRAULIC	13,377	2.85	3.63	0.76	1.53	0.00	1.79	0.00	50							
6890	TD-20-E P.S. 210 HP D	150,885	47.68	61.26	8.45	15.81	9.21	18.37	12.13	414							
6895	20D-2 HYD. SEMI-UNIVERSAL BLADE	20,691	4.38	5.57	1.17	2.36	0.00	2.76	0.00	61							
6900	20G-2 ANGLE BLADE HYDRAULIC	14,489	3.08	3.93	0.82	1.65	0.00	1.94	0.00	71							
6905	TD-25-E P.S. 310 HP D	198,305	53.89	67.62	10.44	19.23	13.60	21.68	17.91	604							
6910	25D-2 HYD. SEMI-HNIVERSAL BLADE	26,131	5.50	7.04	1.47	2.97	0.00	3.50	0.00	113							
6915	25G-2 ANGLE BLADE HYDRAULIC	21,951	4.63	5.91	1.23	2.49	0.00	2.93	0.00	115							
6920	FRONT PUSHER CUSHION	8,892	1.92	2.45	0.50	1.01	0.00	1.19	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.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) (CONT'D)														
INTERNATIONAL (CONT'D)														
6925	REAR PUSHER CUSHION	5,271	1.22	1.53	0.30	0.60	0.00	0.71	0.00	23				
6930	FRONT PUSH BLOCK /S BLD	968	0.27	0.33	0.06	0.11	0.00	0.13	0.00	12				
JOHN DEERE														
6940	JD350C/6305 D.D. W/HYD BLADE	42 HP D	32,915	10.18	13.08	1.85	3.45	1.84	4.01	2.43				
6945	JD450C/6405 D.D. W/HYD BLADE	65 HP D	45,737	14.53	18.68	2.57	4.80	2.85	5.57	3.76				
6950	JD550/6405 P.S. W/HYD BLADE	72 HP D	54,349	16.97	21.79	3.05	5.70	3.16	6.62	4.16				
KOMATSU														
6960	D31A-10 H.S.	63 HP D	37,452	12.46	16.04	2.10	3.93	2.76	4.57	3.64				
6965	ANGLE TILTDZER BLADE		6,059	1.31	1.67	0.34	0.68	0.00	0.81	0.00				
6970	D45A-1 H.S.	90 HP D	56,374	18.48	23.77	3.16	5.91	3.95	6.87	5.20				
6975	ANGLE TILTDZER BLADE		4,500	1.00	1.25	0.26	0.52	0.00	0.60	0.00				
6980	D53A-16A H.S.	118 HP D	81,286	25.98	33.38	4.55	8.52	5.18	9.90	6.82				
6985	ANGLE TILTDZER BLADE		7,530	1.63	2.07	0.43	0.86	0.00	1.01	0.00				
6990	D65E-6 H.S.	155 HP D	114,730	36.00	46.24	6.43	12.03	6.80	13.97	8.96				
6995	ANGLE TILTDZER BLADE		9,938	2.12	2.71	0.56	1.13	0.00	1.33	0.00				
7000	D85A-18 H.S.	220 HP D	144,159	46.68	60.02	8.08	15.11	9.65	17.56	12.71				
7005	ANGLE TILTDZER BLADE		15,614	3.31	4.23	0.88	1.78	0.00	2.09	0.00				
7010	U-DOZER BLADE		16,631	3.53	4.49	0.94	1.90	0.00	2.22	0.00				
7015	D155A-1 H.S.	320 HP D	206,996	56.06	70.31	10.90	20.07	14.04	22.62	18.49				
7020	ANGLE TILTDZER BLADE		21,502	4.54	5.80	1.21	2.45	0.00	2.88	0.00				
7025	U-DOZER BLADE		22,608	4.77	6.10	1.27	2.57	0.00	3.03	0.00				
7030	D355A-3 H.S.	410 HP D	277,014	74.02	92.79	14.58	26.86	17.99	30.28	23.69				
7035	U-DOZER BLADE		29,326	6.18	7.89	1.65	3.34	0.00	3.92	0.00				
7040	STRAIGHT DOZER BLADE		26,798	5.65	7.22	1.51	3.05	0.00	3.59	0.00				
7045	D455A-1 H.S.	620 HP D	487,860	114.76	140.98	24.29	44.34	27.20	49.00	35.82				
7050	FULL U-DOZER BLADE		66,359	13.90	17.80	3.73	7.55	0.00	8.88	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	OWNER-SHIP	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE			FUEL	OWNER-SHIP	FUEL						
TRACTOR, CRAWLER (DOZER) (CONT'D)															
KOMATSU (CONT'D)															
7055	U-DOZER BLADE	62,295	13.06	16.70	3.51	7.09	0.00	8.33	0.00	211					
7060	STRAIGHT DOZER BLADE	58,229	12.21	15.62	3.28	6.63	0.00	7.79	0.00	193					
TEREX (GM)															
7070	82-20B P.S. (W/O BLADE) 205 HP D	155,440	48.46	62.25	8.71	16.29	8.99	18.93	11.84	409					
7075	SEMI-U BLADE HYDRAULIC	14,973	3.18	4.06	0.85	1.71	0.00	2.01	0.00	58					
7080	ANGLE BLADE HYDRAULIC	16,832	3.56	4.55	0.94	1.91	0.00	2.25	0.00	69					
7085	FULL-U BLADE HYDRAULIC	17,188	3.64	4.65	0.97	1.96	0.00	2.30	0.00	68					
7090	82-30B P.S. (W/O BLADE) 260 HP D	180,038	47.75	59.83	9.48	17.46	11.41	19.67	15.02	555					
7095	SEMI-U BLADE HYDRAULIC	21,325	4.51	5.75	1.20	2.43	0.00	2.85	0.00	91					
7100	ANGLE BLADE HYD. W/DUAL TILT	27,939	5.88	7.52	1.58	3.18	0.00	3.74	0.00	118					
7105	FULL-U BLADE HYDRAULIC	24,266	5.12	6.54	1.37	2.76	0.00	3.25	0.00	107					
7110	REAR CUSHION PUSH BLOCK	7,017	1.58	1.99	0.40	0.80	0.00	0.94	0.00	30					
7115	82-50B P.S. (W/O BLADE) 370 HP D	254,494	67.64	84.75	13.40	24.68	16.23	27.81	21.38	776					
7120	SEMI-U BLADE HYDRAULIC	27,848	5.87	7.50	1.57	3.17	0.00	3.73	0.00	118					
7125	FULL-U BLADE HYDRAULIC	30,515	6.42	8.22	1.72	3.47	0.00	4.09	0.00	129					
7130	ANGLE BLADE HYDRAULIC	27,818	5.85	7.50	1.56	3.16	0.00	3.73	0.00	157					
7135	PUSH PLATE (WELD ON)	1,148	0.29	0.35	0.06	0.13	0.00	0.15	0.00	6					
7140	PUSH BLOCK (CUSHION REAR)	6,350	1.43	1.80	0.36	0.73	0.00	0.85	0.00	21					
TRACTOR, WHEEL TYPE (DOZER)															
CATERPILLAR															
7150	814-B ARTICULATED ST BLADE P.S. 210 HP D	146,355	39.15	52.12	8.04	15.39	8.54	17.95	11.23	420					
7155	824-C ARTICULATED ST BLADE P.S. 310 HP D	224,730	60.80	82.69	12.22	23.14	12.60	26.97	16.58	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 COND.	SEVERE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
TRACTOR, WHEEL TYPE (DOZER) (CONT'D)												
CLARK												
7165	280 ARTICULATED ST BLADE P.S. 274 HP D	244,741	63.09	86.15	13.29	25.14	11.14	29.29	14.66	691		
7170	380B ARTICULATED ST BLADE P.S. 473 HP D	397,417	100.29	134.39	21.56	40.72	19.23	47.43	25.31	1233		
TRACTOR, WHEEL TYPE (FARM)												
JOHN DEERE												
7180	MOD 301 A 43 HP D	14,223	4.92	6.44	0.78	1.51	1.75	1.76	2.30	0		
7185	MOD 302 50 HP D	15,901	5.57	7.27	0.88	1.70	2.03	1.99	2.67	0		
7190	MOD 401 B 62 HP D	21,439	7.21	9.39	1.19	2.30	2.52	2.69	3.32	0		
TRENCHER, CHAIN - DITCH WITCH												
7200	MOD C99 6"X24" TRENCH	9 HP G	3,125	1.75	2.27	0.17	0.32	0.80	0.37	1.04	6	
7205	MOD 2200 8"X36" TRENCH	17 HP G	13,895	5.09	6.58	0.78	1.48	1.51	1.72	1.97	30	
7210	MOD 2300 10"X36" TRENCH	28 HP G	15,891	6.34	8.84	0.89	1.70	2.49	1.98	3.25	33	
7215	MOD 6510 12"X54" TRENCH	64 HP D	35,004	11.16	14.44	1.95	3.70	2.60	4.32	3.42	72	
7220	MOD R100 10"X72" TRENCH	105 HP D	74,778	22.26	28.76	4.14	7.83	4.27	9.11	5.62	95	
TRENCHER, WHEEL TYPE												
BARBER-GREENE												
7230	MOD TA 56 16"X5'-10" TRENCH	100 HP D	122,827	32.49	41.80	6.89	13.23	4.07	15.44	5.35	250	
7235	MOD TA 65 28"X7'-6" TRENCH	175 HP D	178,027	48.65	62.64	9.99	19.18	7.12	22.38	9.36	431	
CLEVELAND												
7245	MOD 247-HD-1 21"X7' TRENCH	84 HP D	139,049	35.25	45.32	7.79	14.47	3.42	17.48	4.49	277	
7250	MOD 400W-HD-1 36"X9' TRENCH	175 HP D	242,837	63.05	81.09	13.62	26.16	7.12	30.53	9.36	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.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRUCKS, HIGHWAY ***** (CHASSIS ONLY)														
FORD														
7265	F150 4X2 1/2T PKUP	6100 GVW 157 HP G	7,338	5.97	8.00	0.45	0.92	3.18	1.14	4.24				
7270	F150 4X4 1/2T PKUP	6250 GVW 157 HP G	9,020	6.37	8.57	0.55	1.13	3.18	1.40	4.24				
7275	F250 4X2 3/4T PKUP	6900 GVW 157 HP G	7,801	6.12	8.22	0.46	0.95	3.18	1.19	4.24				
7280	F250 4X4 3/4T PKUP	7400 GVW 157 HP G	9,366	6.54	8.78	0.57	1.16	3.18	1.43	4.24				
7285	F350 2AX	10000 GVW 157 HP G	8,853	6.48	8.66	0.53	1.07	3.18	1.32	4.24				
7290	F600 2AX	18500 GVW 154 HP G	15,841	13.27	17.32	0.94	1.91	7.28	2.37	9.36				
7295	F600 2AX	18500 GVW 162 HP D	21,447	10.19	13.52	1.29	2.64	4.15	3.26	5.39				
7300	F700 2AX	24500 GVW 177 HP G	18,159	15.20	19.84	1.09	2.21	8.36	2.73	10.75				
7305	F700 2AX	24500 GVW 162 HP D	24,218	10.78	14.34	1.46	2.99	4.15	3.70	5.39				
7310	F800 2AX	27000 GVW 177 HP G	20,404	15.75	20.56	1.22	2.48	8.36	3.06	10.75				
7315	F800 2AX	27000 GVW 162 HP D	25,775	11.42	15.13	1.53	3.07	4.15	3.78	5.39				
7320	LT800 3AX	43000 GVW 223 HP G	31,145	27.94	36.47	1.86	3.76	15.65	4.64	20.17				
7325	LT8000 3AX	44800 GVW 175 HP D	42,411	18.41	24.49	2.54	5.16	6.72	6.37	8.74				
7330	LTS8000 3AX	46000 GVW 175 HP D	44,353	18.88	25.12	2.64	5.35	6.72	6.62	8.74				
7335	LNT8000 3AX	46000 GVW 175 HP D	41,956	18.37	24.41	2.49	5.05	6.72	6.23	8.74				
7340	CT8000 3AX	46000 GVW 175 HP D	48,790	19.85	26.43	2.92	5.93	6.72	7.33	8.74				
7345	LT9000 3AX 58000 GVW	82000 GCW 239 HP D	64,052	26.88	35.76	3.79	7.66	9.18	9.47	11.93				
7350	LTS9000 3AX 60000 GVW	82000 GCW 239 HP D	67,980	27.76	36.95	4.02	8.12	9.18	10.05	11.93				
7355	LNT9000 3AX 60000 GVW	82000 GCW 239 HP D	64,542	27.03	35.94	3.81	7.69	9.18	9.50	11.93				
7360	CLT9000 3AX	82000 GCW 286 HP D	63,145	28.93	38.40	3.74	7.56	10.98	9.34	14.28				
GMC AND CHEVROLET														
7370	C10903 4X2 1/2T PKUP	6200 GVW 165 HP G	7,853	6.33	8.47	0.48	0.98	3.34	1.21	4.45				
7375	C10906 4X2 WAGON	6400 GVW 165 HP G	9,644	6.74	9.03	0.59	1.21	3.34	1.49	4.45				
7380	K10906 4X4 WAGON	6800 GVW 165 HP G	10,811	7.00	9.43	0.65	1.35	3.34	1.69	4.45				
7385	C20903 4X2 3/4T PKUP	7100 GVW 165 HP G	9,197	6.63	8.90	0.56	1.14	3.34	1.42	4.45				
7390	K20903 4X4 3/4T PKUP	6800 GVW 165 HP G	10,459	6.96	9.35	0.64	1.31	3.34	1.62	4.45				

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						
TRUCKS, HIGHWAY (CONT'D)															
(CHASSIS ONLY)															
GMC AND CHEVROLET (CONT'D)															
7395	C30903 2AX	9000 GVW 160 HP G	8,676	6.41	8.57	0.52	1.07	3.24	1.33	4.32					
7400	C5D042 2AX	16000 GVW 161 HP G	13,439	13.11	17.07	0.80	1.63	7.61	2.03	9.78					
7405	C6D042 2AX	19200 GVW 161 HP G	15,104	13.55	17.66	0.90	1.82	7.61	2.25	9.78					
7410	C6D042 2AX	21200 GVW 165 HP D	20,562	10.08	13.39	1.23	2.52	4.22	3.12	5.49					
7415	C7D042 2AX	23160 GVW 179 HP G	16,526	15.04	19.58	0.98	1.98	8.46	2.44	10.87					
7420	C7D042 2AX	27500 GVW 185 HP D	27,979	12.49	16.59	1.67	3.40	4.74	4.21	6.16					
7425	C7D064 3AX	44500 GVW 195 HP G	30,740	25.42	33.20	1.81	3.63	13.69	4.48	17.64					
7430	C7D064 3AX	44860 GVW 205 HP D	35,665	18.48	24.48	2.11	4.26	7.87	5.27	10.23					
7435	J8C042 2AX	35000 GVW 235 HP D	39,662	20.87	27.59	2.35	4.73	9.02	5.84	11.73					
7440	J8C064 3AX	44860 GVW 210 HP D	41,806	20.05	26.61	2.49	5.05	8.06	6.25	10.48					
7445	J9C042 2AX	35000 GVW 230 HP D	45,618	18.14	24.10	2.71	5.50	5.89	6.79	7.65					
7450	J9C064 3AX	50000 GVW 335 HP D	56,749	29.41	38.99	3.41	6.97	12.86	8.63	16.72					
7455	N9E064 3AX	56000 GVW 307 HP D	66,225	30.16	40.10	3.98	8.15	11.79	10.09	15.33					
7460	D9K064 3AX	69000 GCW 307 HP D	59,659	28.68	38.08	3.59	7.35	11.79	9.10	15.33					
INTERNATIONAL															
7470	SCOUT 4X4	6200 GVW 97 HP G	8,263	4.60	6.20	0.50	1.03	1.96	1.27	2.62					
7475	1624 2AX	20000 GVW 147 HP G	12,719	12.10	15.74	0.76	1.55	6.95	1.91	8.93					
7480	1724 2AX	20000 GVW 147 HP G	13,265	12.21	15.91	0.80	1.62	6.95	2.01	8.93					
7485	1754 2AX	20000 GVW 165 HP D	18,187	9.50	12.59	1.10	2.25	4.22	2.78	5.49					
7490	1824 2AX	21000 GVW 189 HP G	14,072	15.00	19.50	0.84	1.72	8.93	2.13	11.48					
7495	1854 2AX	23000 GVW 180 HP D	20,669	10.61	14.05	1.24	2.54	4.61	3.13	5.99					
7500	1924 2AX	25000 GVW 190 HP G	16,477	15.65	20.39	0.98	1.99	8.98	2.47	11.54					
7505	1954 2AX	25000 GVW 210 HP D	26,774	12.91	17.14	1.62	3.32	5.38	4.11	6.99					
7510	F2554 3AX	43000 GVW 210 HP D	43,710	20.47	27.17	2.61	5.30	8.06	6.55	10.48					
7515	F2574 3AX	50000 GVW 230 HP D	51,932	23.22	30.87	3.11	6.35	8.83	7.87	11.48					
7520	F4370 3AX	46000 GVW 290 HP D	54,730	26.78	35.53	3.28	6.71	11.14	8.31	14.48					

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	FUEL	OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
TRUCKS, HIGHWAY (CONT'D)																			
(CHASSIS ONLY)																			
INTERNATIONAL (CONT'D)																			
7525	F5050	3AX 52000 GVW 225 HP D	53,104	23.23	30.90	3.18	6.50	8.64	8.06	11.23	138								
7530	F5070	3AX 52000 GVW 290 HP D	56,903	27.25	36.18	3.41	6.99	11.14	8.66	14.48	140								
KENWORTH																			
7540	K100	3AX 47400 GVW 72800 GCW 290 HP D	69,477	30.00	39.95	4.18	8.58	11.14	10.64	14.48	138								
7545	W900	3AX 50000 GVW 76800 GCW 290 HP D	70,737	30.28	40.32	4.26	8.75	11.14	10.84	14.48	140								
7550	C500	3AX 56000 GVW 86000 GCW 290 HP D	77,853	31.81	42.41	4.70	9.66	11.14	11.97	14.48	144								
PETERBILT																			
7560	MOD 348	3AX 56000 GVW 250 HP D	66,779	27.55	36.68	4.00	8.18	9.60	10.12	12.48	121								
7565	MOD 362	3AX 50000 GVW 76800 GCW 350 HP D	73,532	33.82	44.98	4.43	9.11	13.44	11.29	17.47	131								
7570	MOD 359	3AX 50000 GVW 76800 GCW 350 HP D	79,290	35.06	46.66	4.79	9.85	13.44	12.20	17.47	134								
7575	MOD 353	3AX 73000 GVW 125000 GCW 350 HP D	83,021	35.87	47.77	5.01	10.33	13.44	12.80	17.47	174								
7580	MOD 387	3AX 83000 GVW 150000 GCW 350 HP D	111,114	41.92	56.06	6.74	13.94	13.44	17.29	17.47	193								
TRUCK ACCESSORIES																			
(CHASIS NOT INCLUDED)																			
CRANES, HYDRAULIC																			
7590	5.3T ⁰⁵ 'RAD	24000 GVW MIN	23,252	5.55		1.45	3.14	0.00			79								
7595	8.0T ⁰³ 'RAD	26500 GVW MIN	28,003	6.66		1.74	3.78	0.00			84								
7600	12.5T ⁰⁴ 'RAD	27000 GVW MIN	43,659	10.33		2.71	5.89	0.00			142								
7605	13.5T ⁰⁴ 'RAD	44000 GVW MIN	54,180	12.79		3.36	7.30	0.00			158								
7610	15.0T ⁰⁴ 'RAD	48000 GVW MIN	62,290	14.70		3.86	8.40	0.00			211								
DUMP BODY, REAR, W/HOIST																			
7620	SCY	24000 TO 26000 GVW	5,991	1.49	2.00	0.38	0.81	0.00	1.01	0.00	26								
7625	AIR GATE	8CY 27000 TO 30000 GVW	9,516	2.31	3.13	0.59	1.28	0.00	1.60	0.00	44								
7630	AIR GATE	10CY 36000 AND UP GVW	9,630	2.33	3.17	0.59	1.29	0.00	1.63	0.00	45								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
TRUCK ACCESSORIES (CONT'D)													
(CHASIS NOT INCLUDED)													
DUMP BODY, REAR, W/HOIST (CONT'D)													
7635	AIR GATE 12CY 36000 AND UP GVW	9,774	2.37	3.22	0.61	1.32	0.00	1.65	0.00	46			
FLATBEDS										11			
7645	8'X9.5'	1,972	0.46		0.12	0.26	0.00						
7650	8'X10.5'	2,045	0.48		0.13	0.28	0.00						
7655	8'X12.5'	2,249	0.52		0.14	0.30	0.00						
7660	8'X14.5'	2,663	0.63		0.17	0.36	0.00						
7665	8'X16.5'	2,925	0.68		0.18	0.39	0.00						
7670	FLATBED-HOIST	2,660	0.63		0.17	0.36	0.00			10			
7675	FLATBED-SIDEBOARDS	765	0.18		0.05	0.10	0.00			3			
HOISTS, ELECTRIC													
7685	1500LB@1.75'	2,002	0.55		0.13	0.27	0.00			4			
7690	2400LB@3'	2,593	0.69		0.16	0.35	0.00			6			
7695	5000LB@4'	7,049	1.73		0.44	0.95	0.00			15			
7700	6000LB@6'	7,799	1.91		0.48	1.05	0.00			14			
TRANSIT MIXERS													
7710	7 CY 40000 - 50000 GVW RQD	25,140	6.02		1.56	3.39	0.00			63			
7715	8 CY 50000 - 70000 GVW RQD	25,563	6.11		1.58	3.44	0.00			66			
7720	8.5CY 55000 - 75000 GVW RQD	25,846	6.19		1.61	3.49	0.00			68			
7725	9 CY 61000 - 80000 GVW RQD	26,283	6.28		1.63	3.54	0.00			73			
WATER TANKS													
7735	2000 GAL 23500-28000 GVW	11,312	2.66		0.71	1.53	0.00			35			
7740	2500 GAL 25000-34950 GVW	11,951	2.80		0.74	1.61	0.00			39			
7745	3000 GAL 29000-40000 GVW	12,743	2.99		0.79	1.72	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	28,304	5.52	7.01	1.54	3.03	0.00	3.56	0.00	122
7760	20CY 30T	32,567	6.34	8.03	1.78	3.51	0.00	4.11	0.00	140
7765	30CY 30T	32,597	6.34	8.04	1.78	3.51	0.00	4.12	0.00	160
7770	28CY 42T	40,900	7.90	10.03	2.24	4.43	0.00	5.19	0.00	180
7775	20CY 35T OFF-HIGHWAY	42,572	8.44	10.66	2.29	4.46	0.00	5.22	0.00	175
7780	32CY 55T OFF-HIGHWAY	88,779	17.26	21.88	4.82	9.46	0.00	11.09	0.00	365
7785	43CY 70T OFF-HIGHWAY	98,816	19.73	24.90	5.27	10.15	0.00	11.86	0.00	445
END DUMP										
7795	20CY 24T	33,658	6.51	8.26	1.84	3.65	0.00	4.28	0.00	146
LOWBOY, RIGID NECK, DROP DECK										
7805	25 TON 2 AXLE	21,018	3.65		1.13	1.96	0.00			89
7810	30 TON 2 AXLE	23,802	4.12		1.29	2.23	0.00			94
7815	35 TON 2 AXLE	28,768	4.94		1.56	2.72	0.00			109
7820	35 TON 3 AXLE	29,701	5.20		1.60	2.77	0.00			134
7825	40 TON 3 AXLE	31,450	5.51		1.69	2.91	0.00			144
7830	50 TON 3 AXLE	34,377	6.03		1.85	3.19	0.00			161
7835	60 TON 3 AXLE	38,061	7.01		1.98	3.28	0.00			188
7840	70 TON 3 AXLE	49,750	8.86		2.63	4.47	0.00			213
7845	75 TON 3 AXLE	50,962	9.05		2.70	4.59	0.00			228
7850	80 TON 4 AXLE	59,261	10.16		3.21	5.61	0.00			266
7855	90 TON 4 AXLE	65,441	11.57		3.48	5.93	0.00			297
7860	110 TON 4 AXLE	71,189	12.60		3.79	6.46	0.00			313
7865	120 TON 4 AXLE	80,787	14.09		4.33	7.44	0.00			351
7870	HELPER DOLLY 60 T TRAILER MAX	16,939	3.07		0.90	1.52	0.00			62

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	COND.				
TRUCK TRAILERS (CONT'D)												

PLATFORM TRAILERS												
7880	25 TON 2 AXLE	16,805	3.04		0.89	1.50	0.00		110			
PUP TRAILERS												
7890	8 CY LONG TONGUE	19,975	3.56		1.06	1.82	0.00		86			
7895	10CY LONG TONGUE	20,119	3.59		1.08	1.84	0.00		86			
TIILT TRAILERS												
7905	12 TON 2 AXLE	10,686	1.97		0.56	0.95	0.00		62			
7910	16 TON 2 AXLE	11,022	2.02		0.59	0.99	0.00		65			
7915	20 TON 2 AXLE	12,393	2.31		0.65	1.08	0.00		67			
WATER TANKER TRAILERS												
7925	4000 GAL	63 HP D	30,267	7.87		1.57	2.97	2.56	120			
7930	5000 GAL	63 HP D	32,330	8.27		1.65	3.08	2.56	150			
7935	6000 GAL	63 HP D	33,819	8.49		1.73	3.23	2.56	160			
TRUCKS, OFF-HIGHWAY												

CATERPILLAR												
7945	769-C 35T 22-30 CY	P.S. 450 HP D	275,218	64.29	83.24	14.11	26.45	11.56	29.90	14.93	689	
7950	773-B 50T 30-45 CY	P.S. 650 HP D	383,633	91.07	118.29	19.62	36.68	16.69	41.47	21.56	890	
7955	777 85T 47-67 CY	P.S. 870 HP D	535,166	123.50	160.19	27.14	50.22	22.34	56.69	28.86	1346	
7960	768C PRIME MOVER TRACTOR	P.S. 450 HP D	241,377	58.93	76.64	12.34	23.03	11.56	26.02	14.93	506	
7965	772B PRIME MOVER TRACTOR	P.S. 650 HP D	359,690	89.41	117.50	18.23	33.74	16.69	38.09	21.56	705	
DJB												
(ARTICULATED FRAME)												
7975	D275B 27.5T 15-20 CY	P.S. 235 HP D	197,261	43.86	57.09	9.95	18.32	6.03	20.68	7.79	424	
7980	D330B 33T 17-23 CY	P.S. 255 HP D	221,189	46.83	59.99	11.33	21.24	6.55	24.01	8.46	444	
7985	D350B 35T 20-26 CY	P.S. 255 HP D	231,093	50.00	64.70	11.72	21.71	6.55	24.51	8.46	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.									
					OWNER-SHIP	FUEL	OWNER-SHIP	FUEL							
TRUCKS, OFF-HIGHWAY (CONT'D)															

DJB (CONT'D)															
(ARTICULATED FRAME)															
7990	D550	55T 32-43 CY P.S. 450 HP D	386,107	83.70	108.02	19.64	36.49	11.56	41.22	14.93	834				
EUCLID															
8000	R25-215FD	25T 14-19 CY P.S. 214 HP D	171,066	36.51	46.88	8.75	16.37	5.50	18.50	7.10	404				
8005	R35-302TD	35T 22-30 CY P.S. 430 HP D	260,436	60.74	78.54	13.37	25.08	11.04	28.35	14.26	623				
8010	R50-301LD	50T 31-41 CY P.S. 576 HP D	347,494	82.83	107.99	17.73	33.04	14.79	37.33	19.11	836				
8015	R75-301ND	75T 46-69 CY P.S. 646 HP D	464,625	103.74	134.76	23.54	43.50	16.59	49.09	21.43	1123				
8020	R85-306ND	85T 52-67 CY P.S. 746 HP D	477,036	110.07	143.40	24.09	44.36	19.16	50.04	24.74	1227				
INTERNATIONAL															
8030	350B	50T 31-42 CY P.S. 580 HP D	358,867	84.43	110.05	18.43	34.61	14.89	39.13	19.24	740				
TEREX															
8040	33-03B	22T 15-18 CY P.S. 215 HP D	149,627	35.58	46.96	7.56	13.96	5.52	15.76	7.13	400				
8045	33-05B	30T 19-23 CY P.S. 321 HP D	214,900	49.60	64.43	11.00	20.55	8.24	23.21	10.65	525				
8050	33-07	40T 25-32 CY P.S. 493 HP D	272,276	67.70	88.95	13.81	25.55	12.66	28.84	16.35	756				
8055	33-09	55T 34-44 CY P.S. 624 HP D	367,283	89.72	117.84	18.63	34.51	16.02	38.96	20.70	992				
8060	33-11C	85T 51-65 CY P.S. 840 HP D	501,581	117.16	152.32	25.37	46.83	21.57	52.85	27.86	1227				
WABCO															
8070	HAULPAK35D	35T 23-29 CY P.S. 420 HP D	274,251	63.12	81.71	14.06	26.35	10.79	29.78	13.93	571				
8075	HAULPAK50B	50T 31-40 CY P.S. 576 HP D	380,490	88.05	114.41	19.46	36.37	14.79	41.10	19.11	792				
8080	HAULPAK60	60T 34-48 CY P.S. 576 HP D	417,460	96.02	125.49	21.26	39.57	14.79	44.70	19.11	850				
8085	75B	75T 44-57 CY P.S. 665 HP D	461,294	106.65	139.12	23.52	43.84	17.08	49.53	22.06	915				
8090	85D	85T 47-67 CY P.S. 818 HP D	537,634	122.12	158.37	27.27	50.47	21.01	56.97	27.13	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	123,985	27.57	34.08	6.39	10.54	6.10	11.70	8.02	320			
8105	KT-60	6000 GAL. CAT 621B P.S. 330 HP D	222,417	52.92	65.73	11.41	18.75	13.42	20.81	17.65	564			
8110	KT-80	8000 GAL. CAT 631D P.S. 450 HP D	305,019	72.75	90.44	15.61	25.55	18.30	28.34	24.07	740			
8115	KT-100	10000 GAL. CAT 631D P.S. 450 HP D	313,019	73.93	91.84	16.03	26.27	18.30	29.15	24.07	798			
8120	KT-100	10000 GAL. CAT 641B P.S. 550 HP D	365,149	87.82	109.24	18.66	30.52	22.36	33.85	29.42	931			
8125	KT-120	12000 GAL. CAT 651B P.S. 550 HP D	372,783	88.95	110.58	19.07	31.21	22.36	34.62	29.42	1097			
TRACTOR DRAWN - SOUTHWEST														
8135	STT-60	6000 GAL. CAT 621B P.S. 330 HP D	227,706	53.72	66.66	11.70	19.24	13.42	21.35	17.65	594			
8140	STT-80	8000 GAL. CAT 631D P.S. 450 HP D	310,866	73.63	91.47	15.92	26.09	18.30	28.94	24.07	800			
8145	STT-100	10000 GAL. CAT 631D P.S. 450 HP D	315,710	74.34	92.31	16.17	26.52	18.30	29.42	24.07	840			
8150	STT-120	12000 GAL. CAT 651B P.S. 550 HP D	378,649	89.82	111.61	19.38	31.75	22.36	35.22	29.42	1054			
8155	STT-140	14000 GAL. CAT 660B P.S. 550 HP D	382,504	90.38	112.29	19.58	32.09	22.36	35.61	29.42	1089			
WAGONS, BOTTOM DUMP														

CATERPILLAR-ATHey														
8165	621B/PW621B	33T 22-26CY P.S. 330 HP D	223,707	57.91	75.75	11.34	21.88	13.42	24.84	17.65	579			
8170	768B/PW768C	63T 42-48CY P.S. 450 HP D	339,359	85.77	112.11	17.10	32.75	18.30	37.13	24.07	935			
8175	772B/PW772B	100T 60-67CY P.S. 650 HP D	524,035	134.88	179.67	26.16	49.63	26.43	56.22	34.77	1304			
EUCLID														
8185	B30-303TDT301W	30T 21-27CY P.S. 277 HP D	214,088	53.31	69.62	10.85	20.94	11.26	23.76	14.82	483			
8190	B70-203LDT147W	70T 47-62CY P.S. 423 HP D	377,016	86.10	110.14	19.31	37.66	17.20	42.80	22.63	934			

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						
WAGONS, REAR DUMP *****															
CATERPILLAR-ATHEY															
8200	621B/PR621B 30T 20-24CY P.S. 330 HP D	235,211	59.89	78.22	11.93	23.03	13.42	26.14	17.65	590					
8205	631D/PR631D 40T 27-32CY P.S. 450 HP D	332,413	82.84	107.70	16.94	32.86	18.30	37.32	24.07	833					
WATER BLASTER *****															
AMERICAN AERO															
8215	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	30,853	18.58		2.20	5.15	5.45			42					
8220	WBD150 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	46,817	29.89		3.33	7.84	9.59			70					
WATER TANKS *****															
SKID MOUNTED															
8230	WST-8 8000 GAL. SOUTHWEST	15,666	2.33		0.82	1.58	0.00			107					
8235	WST-10 10000 GAL. SOUTHWEST	18,208	2.71		0.96	1.84	0.00			122					
8240	WST-12 12000 GAL. SOUTHWEST	21,186	3.16		1.11	2.14	0.00			142					
PORTABLE (WITH WHEELS)															
8250	EWT-8 8000 GAL. SOUTHWEST 8 HP G	27,393	5.04		1.41	2.68	0.71			130					
8255	EWT-10 10000 GAL. SOUTHWEST 8 HP G	31,354	5.63		1.63	3.09	0.71			170					
8260	EWT-12 12000 GAL. SOUTHWEST 8 HP G	34,719	6.13		1.80	3.43	0.71			185					
WELDERS *****															
ELECTRIC DRIVE - AC 3 PHASE 60 HZ															
8270	250 AMP SKID MTD 20 HP E	2,012	1.92		0.12	0.25	1.20			7					
8275	600 AMP SKID MTD 25 HP E	2,552	2.41		0.15	0.31	1.50			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 COND.	SEVERE COND.			
			AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
WELDERS (CONT'D)									

GASOLINE ENGINE DRIVE									
8285	200 AMP W/1 AXLE TRLR	14 HP G	2,640	2.64	0.18	0.37	1.53		11
8290	250 AMP W/1 AXLE TRLR	65 HP G	4,994	10.23	0.34	0.74	7.11		17
8295	300 AMP W/1 AXLE TRLR	65 HP G	5,107	10.26	0.35	0.76	7.11		17
8300	400 AMP W/1 AXLE TRLR	69 HP G	5,992	11.06	0.41	0.90	7.55		21
8305	650 AMP W/2 AXLE TRLR	85 HP G	7,500	13.64	0.51	1.10	9.29		22
DIESEL ENGINE DRIVE									
8315	250 AMP W/1 AXLE TRLR	38 HP D	6,539	4.22	0.45	0.98	1.91		21
8320	300 AMP W/1 AXLE TRLR	38 HP D	6,595	4.23	0.45	0.98	1.91		21
8325	350 AMP W/2 AXLE TRLR	63 HP D	8,320	6.28	0.56	1.22	3.17		25
8330	400 AMP W/2 AXLE TRLR	64 HP D	8,205	6.31	0.56	1.21	3.22		30
MIG									
8340	250AMP W/WIRE FEED AND SHOP GEAR	10 HP E	2,692	1.26	0.17	0.33	0.60		5
8345	300AMP W/WIRE FEED AND SHOP GEAR	20 HP E	2,840	2.07	0.17	0.35	1.20		5
RECTIFIER									
8355	250 AMP W/SHOP RUNNING GEAR	19 HP E	1,712	1.79	0.11	0.21	1.14		4
8360	300 AMP W/SHOP RUNNING GEAR	24 HP E	1,878	2.22	0.12	0.24	1.44		6
8365	500 AMP W/SHOP RUNNING GEAR	30 HP E	2,377	2.78	0.15	0.30	1.80		7
8370	750 AMP W/SHOP RUNNING GEAR	42 HP E	3,895	3.98	0.24	0.48	2.52		10
TRANSFORMER-RECTIFIER									
8380	250 AMP W/SHOP RUNNING GEAR	19 HP E	944	1.65	0.06	0.12	1.14		4
8385	300 AMP W/SHOP RUNNING GEAR	24 HP E	1,553	2.15	0.09	0.19	1.44		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 (.74)	= (+) \$18.50/Hr.
Adjusted Total Hourly Rate	= \$38.50/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 (.38)	= (+) \$9.50/Hr.
Adjusted Total Hourly Rate	= \$29.50/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.

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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	1.09	1.00	1.05	0.97	0.84	0.79						
45	AIR TOOLS, SANDBLASTERS, ETC	1.16	1.09	1.00										
60	ASPHALT DISTRIBUTORS	1.15	1.09	1.00	0.92	0.82	0.74	0.67						
65	ASPHALT AND CONCRETE PAVERS	1.14	1.09	1.00	0.92	0.83	0.75	0.69						
70	ASPHALT KETTLES AND RECYCLERS	1.14	1.09	1.00	0.88	0.75								
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.14	1.09	1.00	0.88	0.76	0.67	0.60						
80	BRUSH CHIPPERS	1.13	1.08	1.00	0.89	0.77	0.68	0.62						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.13	1.06	1.00	0.88	0.72	0.64	0.58						
95	BUCKETS, CONCRETE	1.13	1.06	1.00	0.88	0.72	0.64	0.58						
105	CONCRETE OR GROUT PUMP	1.14	1.09	1.00	0.89	0.76								
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.13	1.08	1.00	0.89	0.77	0.68	0.62						
125	CONCRETE FINISHERS & BUGGIES	1.12		1.00	0.89	0.77	0.68	0.62						
135	CONCRETE VIBRATORS	1.16	1.09	1.00										
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.16	1.09	1.00	1.05									
150	O THRU 25 TON	1.14	1.08	1.00	0.91	0.81	0.73	0.66	0.61					
165	OVER 25 TON THRU 50 TON	1.14	1.08	1.00	0.91	0.81	0.73	0.67	0.62	0.56	0.44			
170	OVER 50 TON THRU 150 TON	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.63	0.57	0.45	0.37		
180	OVER 150 TON DRAGLINE & CLAMSHELL,CRAWLER	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.64	0.58	0.46	0.38	0.36	0.35
185	O THRU 1 CY	1.14	1.08	1.00	0.91	0.81	0.73	0.67	0.62					
190	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	0.45			
195	OVER 2-1/2 CY THRU 5 CY	1.13	1.08	1.00	0.92	0.82	0.74	0.69	0.64	0.58	0.46	0.38		
196	OVER 5 CY	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.64	0.58	0.46	0.38	0.36	0.35
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.14	1.08	1.00	0.91	0.81	0.73	0.67	0.62	0.56	0.44			
	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	0.62	0.56	0.44			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.64	0.58	0.46	0.38		
230	66 THRU 125 T	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
240	OVER 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
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	0.68	0.61	0.59	0.55	0.48			
330	DRILL, ROTARY OVER 11" DIA.	1.14	1.09	1.00	0.86	0.75	0.69	0.63	0.60	0.57	0.49	0.44	0.41	0.40
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.14	1.09	1.00	0.86	0.75	0.69	0.63	0.60	0.57	0.49	0.44	0.41	0.40
375	FORK LIFTS	1.14	1.08	1.00	0.89	0.77	0.68	0.61						
390	GRADERS	1.18	1.11	1.00	0.89	0.78	0.71	0.62	0.56					
420	GENERATORS	1.21	1.12	1.00	0.86	0.68	0.64	0.57						
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.13	1.08	1.00	0.89	0.77	0.68	0.62						
440	LIGHT PLANTS	1.15	1.09	1.00	0.88	0.75	0.66	0.58						
450	LOADER, BELT	1.15	1.10	1.00	0.87	0.74	0.64	0.56						
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.20	1.11	1.00	0.90	0.78	0.69	0.60						
	LOADER, WHEEL TYPE													
465	O THRU 225 HP	1.20	1.13	1.00	0.82	0.71	0.62	0.55						
470	OVER 225 HP	1.19	1.12	1.00	0.83	0.72	0.65	0.57	0.52					
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.21	1.13	1.00	0.82	0.69	0.61	0.53						
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.16	1.10	1.00	0.86									

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
485	PIPELAYERS	1.20	1.11	1.00	0.89	0.78	0.68	0.60	0.53					
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.13	1.08	1.00	0.89	0.77	0.68	0.62						
500	PUMP, WATER, ELECTRIC DRIVE	1.13	1.08	1.00	0.89	0.77	0.68	0.62						
510	RIPPERS	1.19	1.11	1.00	0.90	0.79								
525	ROLLERS, EXCEPT VIB. ROLLERS	1.12	1.08	1.00	0.89	0.80	0.70	0.60						
530	ROLLERS, VIBRATORY	1.13	1.09	1.00	0.89	0.79								
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	0.89	0.78	0.71	0.62						
550	OVER 200 HP	1.18	1.11	1.00	0.89	0.78	0.71	0.62						
555	SCRAPERS, TRACTOR DRAWN	1.17	1.10	1.00	0.90	0.79	0.73	0.64	0.59					
	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						
585	OVER 1 CY THRU 2-1/2 CY	1.14	1.08	1.00	0.92	0.81	0.74	0.67	0.63					
595	OVER 2-1/2 CY THRU 5 CY	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.63	0.57	0.46			
600	OVER 5 CY	1.13	1.08	1.00	0.92	0.82	0.74	0.69	0.64	0.58	0.46	0.38		
601	OVER 2-1/2 CY ELECTRIC	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
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.21	1.12	1.00	0.89	0.78	0.67	0.59						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.19	1.11	1.00	0.90	0.79	0.69	0.61	0.54					
625	OVER 425 HP	1.18	1.10	1.00	0.90	0.80	0.71	0.63	0.57	0.52				
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	0.65	0.58						
650	TRENCHER	1.30	1.16	1.00	0.84	0.71	0.65	0.55						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.14	1.09	1.00	0.89	0.76	0.68	0.61						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.16	1.10	1.00	0.87	0.73	0.63	0.55						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.14	1.09	1.00	0.89	0.76								
675	ALL OTHER ACCESSORIES TRUCK, HIGHWAY	1.14	1.09	1.00	0.89	0.76								
690	0 THRU 10,000 GVW	1.17	1.08	1.00	0.85	0.75								
695	OVER 10,000 THRU 30,000 GVW	1.17	1.08	1.00	0.85	0.75								
705	OVER 30,000 GVW	1.17	1.08	1.00	0.85	0.75								
720	TRUCK, OFF-HIGHWAY	1.14	1.10	1.00	0.86	0.74	0.66	0.60	0.56					
765	WAGON, BOTTOM & REAR DUMP	1.14	1.10	1.00	0.87	0.75	0.67	0.62	0.58					
780	WAGON, WATER	1.16	1.12	1.00	0.85	0.70	0.62	0.55	0.51					
785	WATER BLASTER	1.14	1.09	1.00	0.88									
795	WATER TANKS	1.13	1.08	1.00	0.89	0.77	0.69	0.62	0.57					
810	WELDERS	1.16	1.10	1.00	0.87									
811	WELDERS ELECTRIC POWER	1.15	1.09	1.00	0.87	0.74								



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:

$$\text{Hourly Standby Rate} = \$16.00/\text{Hr.}$$

$$\begin{aligned} \text{Standby Adjusted for Age} \\ (\text{Standby Rate}) \times (\text{Age Adj. Factor}) \\ = (\$16.00) \times (.78) &= \$12.48/\text{Hr.} \end{aligned}$$

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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	0.86	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	0.73						
65	ASPHALT AND CONCRETE PAVERS	1.12	1.07	1.00	0.93	0.86	0.79	0.73						
70	ASPHALT KETTLES AND RECYCLERS	1.12	1.08	1.00	0.90	0.79								
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
80	BRUSH CHIPPERS	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
90	BUCKETS, CLAMSHELL & DRAGLTNE	1.11	1.05	1.00	0.90	0.76	0.68	0.63						
95	BUCKETS, CONCRETE	1.11	1.05	1.00	0.90	0.76	0.68	0.63						
105	CONCRETE OR GROUT PUMP	1.12	1.08	1.00	0.90	0.79								
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
125	CONCRETE FINISHERS & BUGGIES	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
135	CONCRETE VIBRATORS	1.15	1.08	1.00										
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.14	1.08	1.00	1.05									
150	0 THRU 25 TON	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68					
165	OVER 25 TON THRU 50 TON	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68	0.63	0.53			
170	OVER 50 TON THRU 150 TON	1.11	1.07	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.47		
180	OVER 150 TON DRAGLTNE & CLAMSHELL,CRAWLER	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
185	0 THRU 1 CY	1.12	1.07	1.00	0.93	0.84	0.77	0.71	0.67					
190	OVER 1 CY THRU 2-1/2 CY	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68	0.63	0.52			
195	OVER 2-1/2 CY THRU 5 CY	1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.69	0.63	0.53	0.46		
196	OVER 5 CY	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
200	CRANES, HYDRAULIC, SELF- PROPELLED CRANES & HYD. EXC. , TRK MTD	1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.69	0.63	0.53			
210	UNDER 26 T. (THRU 1 CY)	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68	0.63	0.53			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.69	0.63	0.53	0.46		
230	66 THRU 125 T	1.11	1.07	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.47	0.46	0.44
240	OVER 125 T	1.11	1.06	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.47	0.46	0.45
255	DRILL, AUGER	1.13	1.09	1.00	0.87	0.76	0.71	0.65						
270	DRILL, BLAST HOLE	1.13	1.09	1.00	0.87	0.76	0.71	0.65						
300	DRILL, CORE	1.13	1.09	1.00	0.87	0.76	0.71	0.65						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.13	1.08	1.00	0.88	0.77	0.72	0.67	0.64	0.61	0.54			
330	DRILL, ROTARY OVER 11" DIA.	1.12	1.08	1.00	0.88	0.78	0.73	0.67	0.65	0.62	0.56	0.51	0.49	0.48
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.12	1.08	1.00	0.88	0.78	0.73	0.67	0.65	0.62	0.56	0.51	0.49	0.48
375	FORK LTFTS	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
390	GRADERS	1.15	1.09	1.00	0.91	0.82	0.76	0.70	0.65					
420	GENERATORS	1.16	1.09	1.00	0.89	0.75	0.72	0.67						
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
440	LIGHT PLANTS	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
450	LOADER, BELT	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE LOADER, WHEEL TYPE	1.17	1.09	1.00	0.91	0.82	0.74	0.67						
465	0 THRU 225 HP	1.17	1.10	1.00	0.85	0.75	0.69	0.62						
470	OVER 225 HP	1.16	1.10	1.00	0.86	0.76	0.69	0.63	0.59					
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.17	1.10	1.00	0.85	0.75	0.69	0.62						
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC TMPACTOR	1.13	1.08	1.00	0.89									

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	0.82	0.75	0.68	0.62					
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
500	PUMP, WATER, ELECTRIC DRIVE	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
510	RIPPERS	1.17	1.10	1.00	0.91	0.81								
525	ROLLERS, EXCEPT VIB. ROLLERS	1.11	1.07	1.00	0.91	0.83	0.75	0.66						
530	ROLLERS, VIBRATORY	1.11	1.07	1.00	0.91	0.82								
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	0.91	0.82	0.76	0.69	0.65					
	SHOVELS, BACKHOES, & HYDRAULIC													
	EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.12	1.07	1.00	0.92	0.84	0.77	0.71						
585	OVER 1 CY THRU 2-1/2 CY	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.67					
595	OVER 2-1/2 CY THRU 5 CY	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68	0.63	0.53			
600	OVER 5 CY	1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.69	0.63	0.53	0.46		
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	0.47	0.46	0.45
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.17	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	0.82	0.74	0.68	0.62					
	UNIT FOR TANDEM TRACTORS)													
625	OVER 425 HP	1.16	1.09	1.00	0.92	0.83	0.75	0.68	0.62	0.58				
630	TRACTOR, BLADES, PUSH BLOCKS,	1.17	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	0.76	0.71	0.63						
655	TRAILERS, BOTTOM DUMP AND	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
	END DUMP													
660	TRAILERS, FLATBED, LO-BOY	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
	AND TILT													
	TRUCK ACCESSORIES FOR													
	CHASSIS MOUNTING													
670	DUMP BODIES	1.12	1.08	1.00	0.90	0.79								
675	ALL OTHER ACCESSORIES	1.12	1.08	1.00	0.90	0.79								
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.14	1.07	1.00	0.88	0.79								
695	OVER 10,000 THRU 30,000 GVW	1.14	1.07	1.00	0.88	0.79								
705	OVER 30,000 GVW	1.14	1.07	1.00	0.88	0.79								
720	TRUCK, OFF-HIGHWAY	1.12	1.09	1.00	0.88	0.77	0.71	0.66	0.62					
765	WAGON, BOTTOM & REAR DUMP	1.12	1.09	1.00	0.88	0.77	0.71	0.66	0.62					
780	WAGON, WATER	1.12	1.09	1.00	0.88	0.77	0.71	0.66	0.63					
785	WATER BLASTER	1.13	1.08	1.00	0.90									
795	WATER TANKS	1.12	1.07	1.00	0.90	0.80	0.73	0.67	0.62					
810	WELDERS	1.13	1.08	1.00	0.89									
811	WELDERS ELECTRIC POWER	1.12	1.08	1.00	0.90	0.79								



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)	= \$38.50/Hr.
Ownership Rate (adjusted for age)	(-) \$18.50/Hr.
Ownership Adjusted for Work Hours	
(Ownership Rate) x (Work Hr Adj. Factor)	
= (\$18.50) x (.85)	= (+) \$15.73/Hr.
Adjusted Total Hourly Rate	= \$35.73/Hr.

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	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87
6,000	1.00	0.97	0.96	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.83
8,000	1.00	0.97	0.95	0.92	0.90	0.89	0.87	0.85	0.84	0.83	0.82	0.81	0.79
9,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.84	0.83	0.81	0.80	0.79	0.78
10,000	1.00	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.81	0.80	0.79	0.78	0.76
11,000	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
12,000	1.00	0.96	0.94	0.90	0.88	0.85	0.84	0.81	0.79	0.78	0.76	0.75	0.73
13,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.78	0.77	0.75	0.74	0.72
14,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.80	0.77	0.76	0.74	0.73	0.71
15,000	1.00	0.95	0.93	0.89	0.86	0.83	0.81	0.79	0.77	0.75	0.73	0.72	0.70
16,000	1.00	0.95	0.93	0.89	0.85	0.83	0.81	0.78	0.76	0.74	0.72	0.71	0.69
18,000	1.00	0.95	0.92	0.88	0.85	0.82	0.79	0.77	0.74	0.72	0.71	0.69	0.67
20,000	1.00	0.95	0.92	0.87	0.84	0.81	0.78	0.76	0.73	0.71	0.69	0.67	0.65
22,000	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
50,000	1.00	0.92	0.88	0.82	0.77	0.72	0.69	0.65	0.61	0.58	0.56	0.53	0.50

TABLE 3-5. HOURLY RATE ELEMENT

UNIT NO	AVERAGE CONDITIONS						SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REFP	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR
1010	3.76	1.84	12.87	3.09	0.22	0.03	3.90	25.71							
1015	4.19	2.04	4.59	1.10	0.22	0.03	4.35	16.52							
1030	0.66	0.36	3.83	1.23	0.02	0.00	0.75	6.85							
1035	0.79	0.42	1.55	0.43	0.02	0.00	0.89	4.10							
1040	0.82	0.44	4.45	1.43	0.02	0.00	0.93	8.09							
1045	0.99	0.53	1.79	0.50	0.02	0.00	1.12	4.95							
1050	1.01	0.54	6.24	2.00	0.02	0.00	1.14	10.95							
1055	1.07	0.58	2.07	0.58	0.02	0.00	1.22	5.54							
1060	1.10	0.59	6.24	2.00	0.02	0.00	1.25	11.20							
1065	1.25	0.67	2.81	0.79	0.02	0.00	1.41	6.95							
1070	1.14	0.61	6.24	2.00	0.02	0.00	1.29	11.30							
1075	1.34	0.72	2.81	0.79	0.02	0.00	1.52	7.20							
1080	2.01	1.08	3.82	1.07	0.03	0.00	2.28	10.29							
1085	2.46	1.35	4.19	1.17	0.13	0.02	2.80	12.12							
1090	3.19	1.74	6.18	1.73	0.13	0.02	3.63	16.62							
1095	4.30	2.33	7.12	1.99	0.15	0.02	4.87	20.78							
1100	5.01	2.71	9.27	2.60	0.15	0.02	5.68	25.44							
1105	5.69	3.08	10.16	2.85	0.15	0.02	6.45	28.40							
1110	6.25	3.38	10.98	3.07	0.15	0.02	7.08	30.93							
1115	7.02	3.79	11.51	3.22	0.15	0.02	7.95	33.66							
1120	8.38	4.51	13.21	3.70	0.15	0.02	9.49	39.46							
1125	9.46	5.10	18.54	5.19	0.18	0.03	10.71	49.21							
1140	0.26	0.06	0.00	0.06	0.00	0.00	0.58	0.96							
1145	0.49	0.11	0.00	0.06	0.00	0.00	1.09	1.75							
1150	0.49	0.11	0.00	0.06	0.00	0.00	1.11	1.77							
1155	0.55	0.12	0.00	0.12	0.00	0.00	1.23	2.02							
1160	0.73	0.16	0.00	0.12	0.00	0.00	1.63	2.64							
1165	2.06	0.46	0.00	0.25	0.05	0.01	4.65	7.48							
1170	2.44	0.57	0.00	0.35	0.13	0.02	5.56	9.07							
1175	3.06	0.70	0.00	0.45	0.13	0.02	6.95	11.31							
1185	0.18	0.04	0.00	0.06	0.00	0.00	0.41	0.69							
1190	0.39	0.09	0.00	0.10	0.00	0.00	0.89	1.47							
1195	0.19	0.04	0.00	0.06	0.00	0.00	0.42	0.71							
1200	0.20	0.04	0.00	0.06	0.00	0.00	0.45	0.75							
1205	0.22	0.05	0.00	0.06	0.00	0.00	0.49	0.82							
1210	0.72	0.16	0.00	0.12	0.00	0.00	1.62	2.62							
1220	0.35	0.08	0.00	0.14	0.00	0.00	1.31	1.88							
1225	0.23	0.05	0.00	0.12	0.00	0.00	0.85	1.25							
1230	0.20	0.04	0.00	0.09	0.00	0.00	0.76	1.09							
1235	0.18	0.04	0.00	0.07	0.00	0.00	0.69	0.98							
1240	0.15	0.03	0.00	0.06	0.00	0.00	0.54	0.78							
1250	1.65	0.98	4.45	1.43	0.00	0.00	2.41	10.92							
1255	1.71	1.02	4.45	1.43	0.00	0.00	2.50	11.11							
1260	1.84	1.09	4.45	1.43	0.00	0.00	2.69	11.50							
1265	2.13	1.27	4.45	1.43	0.00	0.00	3.12	12.40							
1275	5.87	3.19	2.85	0.80	0.33	0.05	8.45	21.54							
1280	8.34	4.63	3.86	1.08	0.93	0.14	12.07	31.05							
1285	9.56	5.30	5.29	1.48	1.06	0.16	13.83	36.68							
1290	12.02	6.37	5.29	1.48	0.00	0.00	17.17	42.33							
1300	2.93	1.63	1.22	0.34	0.36	0.05	4.25	10.78							
1305	4.30	2.36	1.79	0.50	0.36	0.05	6.21	15.57							
1310	5.90	3.24	2.36	0.66	0.48	0.07	8.51	21.22							
1315	6.97	3.90	3.54	0.99	0.93	0.14	10.11	26.58							
1320	8.07	4.53	4.35	1.22	1.13	0.17	11.72	31.19							
1325	11.10	6.33	6.02	1.68	2.08	0.31	16.20	43.72							

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	
1330	7.94	4.21	3.09	0.87	0.00	0.00	11.34	27.45								
1335	9.68	5.13	4.35	1.22	0.00	0.00	13.83	34.21								
1345	0.31	0.14	0.00	0.90	0.02	0.00	0.40	1.77								
1350	0.37	0.16	0.00	1.00	0.02	0.00	0.47	2.02								
1360	0.85	0.38	0.71	1.66	0.02	0.00	1.09	4.71								
1370	0.41	0.22	0.00	0.17	0.02	0.00	0.52	1.34								
1375	0.54	0.29	2.67	0.64	0.02	0.00	0.69	4.85								
1380	0.19	0.10	0.00	0.17	0.00	0.00	0.24	0.70								
1385	0.31	0.17	0.00	0.11	0.00	0.00	0.40	0.99								
1395	0.84	0.41	9.38	3.00	0.02	0.00	1.12	14.77								
1400	0.97	0.46	10.25	3.28	0.02	0.00	1.28	16.26								
1405	0.42	0.20	0.00	0.25	0.00	0.00	0.55	1.42								
1415	0.74	0.35	0.00	0.00	0.00	0.00	0.75	1.84		0.92	0.36	0.00	0.00	0.00	1.07	2.35
1420	0.87	0.41	0.00	0.00	0.00	0.00	0.88	2.16		1.09	0.42	0.00	0.00	0.00	1.26	2.77
1425	1.28	0.61	0.00	0.00	0.00	0.00	1.30	3.19		1.60	0.62	0.00	0.00	0.00	1.86	4.08
1430	1.44	0.68	0.00	0.00	0.00	0.00	1.47	3.59		1.81	0.70	0.00	0.00	0.00	2.10	4.61
1435	1.88	0.89	0.00	0.00	0.00	0.00	1.92	4.59		2.35	0.91	0.00	0.00	0.00	2.74	6.00
1440	1.99	0.94	0.00	0.00	0.00	0.00	2.03	4.96		2.49	0.97	0.00	0.00	0.00	2.90	6.36
1445	2.05	0.97	0.00	0.00	0.00	0.00	2.09	5.11		2.56	0.99	0.00	0.00	0.00	2.99	6.54
1450	2.26	1.07	0.00	0.00	0.00	0.00	2.30	5.63		2.82	1.09	0.00	0.00	0.00	3.28	7.19
1455	2.44	1.16	0.00	0.00	0.00	0.00	2.49	6.09		3.05	1.18	0.00	0.00	0.00	3.56	7.79
1460	2.65	1.25	0.00	0.00	0.00	0.00	2.70	6.60		3.31	1.28	0.00	0.00	0.00	3.86	8.45
1465	2.86	1.35	0.00	0.00	0.00	0.00	2.91	7.12		3.58	1.39	0.00	0.00	0.00	4.16	9.13
1470	2.96	1.40	0.00	0.00	0.00	0.00	3.02	7.38		3.71	1.44	0.00	0.00	0.00	4.32	9.47
1475	3.20	1.52	0.00	0.00	0.00	0.00	3.26	7.98		4.00	1.55	0.00	0.00	0.00	4.66	10.21
1480	3.30	1.56	0.00	0.00	0.00	0.00	3.36	8.22		4.13	1.60	0.00	0.00	0.00	4.81	10.54
1485	3.43	1.62	0.00	0.00	0.00	0.00	3.49	8.54		4.28	1.66	0.00	0.00	0.00	4.99	10.93
1495	0.77	0.37	0.00	0.00	0.00	0.00	0.79	1.93		0.97	0.37	0.00	0.00	0.00	1.13	2.47
1500	1.05	0.50	0.00	0.00	0.00	0.00	1.07	2.62		1.31	0.51	0.00	0.00	0.00	1.53	3.35
1505	1.53	0.72	0.00	0.00	0.00	0.00	1.56	3.81		1.91	0.74	0.00	0.00	0.00	2.23	4.88
1510	1.65	0.78	0.00	0.00	0.00	0.00	1.68	4.11		2.07	0.80	0.00	0.00	0.00	2.41	5.28
1515	2.10	0.99	0.00	0.00	0.00	0.00	2.14	5.23		2.63	1.02	0.00	0.00	0.00	3.06	6.71
1520	2.30	1.09	0.00	0.00	0.00	0.00	2.34	5.73		2.87	1.11	0.00	0.00	0.00	3.35	7.33
1525	2.48	1.17	0.00	0.00	0.00	0.00	2.53	6.18		3.10	1.20	0.00	0.00	0.00	3.61	7.91
1530	2.67	1.26	0.00	0.00	0.00	0.00	2.72	6.65		3.34	1.29	0.00	0.00	0.00	3.88	8.51
1535	2.86	1.36	0.00	0.00	0.00	0.00	2.92	7.14		3.58	1.39	0.00	0.00	0.00	4.17	9.14
1540	3.15	1.49	0.00	0.00	0.00	0.00	3.21	7.85		3.94	1.53	0.00	0.00	0.00	4.59	10.06
1545	3.33	1.58	0.00	0.00	0.00	0.00	3.39	8.30		4.16	1.61	0.00	0.00	0.00	4.84	10.61
1550	3.52	1.67	0.00	0.00	0.00	0.00	3.59	8.78		4.40	1.71	0.00	0.00	0.00	5.12	11.23
1555	3.67	1.74	0.00	0.00	0.00	0.00	3.74	9.15		4.59	1.78	0.00	0.00	0.00	5.35	11.72
1560	3.83	1.81	0.00	0.00	0.00	0.00	3.90	9.54		4.78	1.85	0.00	0.00	0.00	5.57	12.20
1565	3.98	1.88	0.00	0.00	0.00	0.00	4.05	9.91		4.97	1.93	0.00	0.00	0.00	5.79	12.69
1575	1.17	0.55	0.00	0.00	0.00	0.00	1.19	2.91		1.46	0.57	0.00	0.00	0.00	1.71	3.74
1580	1.20	0.57	0.00	0.00	0.00	0.00	1.22	2.99		1.50	0.58	0.00	0.00	0.00	1.75	3.83
1585	1.78	0.84	0.00	0.00	0.00	0.00	1.82	4.44		2.23	0.86	0.00	0.00	0.00	2.60	5.69
1590	2.16	1.02	0.00	0.00	0.00	0.00	2.20	5.38		2.70	1.05	0.00	0.00	0.00	3.14	6.89
1595	2.41	1.14	0.00	0.00	0.00	0.00	2.46	6.01		3.02	1.17	0.00	0.00	0.00	3.51	7.70
1600	2.63	1.24	0.00	0.00	0.00	0.00	2.68	6.55		3.29	1.27	0.00	0.00	0.00	3.83	8.39
1605	2.77	1.31	0.00	0.00	0.00	0.00	2.83	6.91		3.47	1.34	0.00	0.00	0.00	4.04	8.85
1610	2.94	1.39	0.00	0.00	0.00	0.00	2.99	7.32		3.67	1.42	0.00	0.00	0.00	4.28	9.37
1615	3.08	1.46	0.00	0.00	0.00	0.00	3.14	7.68		3.85	1.49	0.00	0.00	0.00	4.48	9.82
1620	3.30	1.56	0.00	0.00	0.00	0.00	3.37	8.23		4.13	1.60	0.00	0.00	0.00	4.81	10.54
1625	3.50	1.66	0.00	0.00	0.00	0.00	3.57	8.73		4.38	1.70	0.00	0.00	0.00	5.09	11.17
1630	3.68	1.74	0.00	0.00	0.00	0.00	3.75	9.17		4.60	1.78	0.00	0.00	0.00	5.36	11.74
1635	3.99	1.89	0.00	0.00	0.00	0.00	4.06	9.94		4.98	1.93	0.00	0.00	0.00	5.80	12.71

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	4.11	1.95	0.00	0.00	0.00	0.00	4.19	10.25	5.14	1.99	0.00	0.00	0.00	0.00	5.98	13.11
1645	4.27	2.02	0.00	0.00	0.00	0.00	4.35	10.64	5.34	2.07	0.00	0.00	0.00	0.00	6.21	13.62
1655	0.11	0.05	0.00	0.00	0.00	0.00	0.11	0.27								
1660	0.14	0.07	0.00	0.00	0.00	0.00	0.14	0.35								
1665	0.19	0.09	0.00	0.00	0.00	0.00	0.19	0.47								
1670	0.27	0.13	0.00	0.00	0.00	0.00	0.27	0.67								
1675	0.34	0.16	0.00	0.00	0.00	0.00	0.34	0.84								
1685	0.48	0.23	0.00	0.00	0.00	0.00	0.49	1.20								
1690	0.50	0.24	0.00	0.00	0.00	0.00	0.51	1.25								
1695	0.52	0.25	0.00	0.00	0.00	0.00	0.53	1.30								
1700	0.70	0.33	0.00	0.00	0.00	0.00	0.71	1.74								
1705	0.74	0.35	0.00	0.00	0.00	0.00	0.75	1.84								
1710	1.06	0.50	0.00	0.00	0.00	0.00	1.08	2.64								
1715	1.26	0.60	0.00	0.00	0.00	0.00	1.29	3.15								
1725	0.55	0.26	0.00	0.00	0.00	0.00	0.56	1.37								
1730	0.63	0.30	0.00	0.00	0.00	0.00	0.64	1.57								
1735	0.73	0.34	0.00	0.00	0.00	0.00	0.74	1.81								
1740	0.81	0.38	0.00	0.00	0.00	0.00	0.83	2.02								
1745	0.96	0.45	0.00	0.00	0.00	0.00	0.97	2.38								
1760	0.25	0.12	0.00	0.00	0.00	0.00	0.26	0.63	0.32	0.12	0.00	0.00	0.00	0.00	0.37	0.81
1765	0.30	0.14	0.00	0.00	0.00	0.00	0.31	0.75	0.38	0.15	0.00	0.00	0.00	0.00	0.44	0.97
1770	0.37	0.18	0.00	0.00	0.00	0.00	0.38	0.93	0.47	0.18	0.00	0.00	0.00	0.00	0.54	1.19
1775	0.44	0.21	0.00	0.00	0.00	0.00	0.45	1.10	0.55	0.21	0.00	0.00	0.00	0.00	0.64	1.40
1780	0.52	0.25	0.00	0.00	0.00	0.00	0.53	1.30	0.65	0.25	0.00	0.00	0.00	0.00	0.75	1.65
1785	0.64	0.30	0.00	0.00	0.00	0.00	0.65	1.59	0.80	0.31	0.00	0.00	0.00	0.00	0.93	2.04
1790	0.71	0.33	0.00	0.00	0.00	0.00	0.72	1.76	0.88	0.34	0.00	0.00	0.00	0.00	1.03	2.25
1795	0.86	0.41	0.00	0.00	0.00	0.00	0.88	2.15	1.08	0.42	0.00	0.00	0.00	0.00	1.26	2.76
1800	0.92	0.43	0.00	0.00	0.00	0.00	0.94	2.29	1.15	0.45	0.00	0.00	0.00	0.00	1.34	2.94
1805	1.11	0.53	0.00	0.00	0.00	0.00	1.13	2.77	1.39	0.54	0.00	0.00	0.00	0.00	1.62	3.55
1810	1.20	0.57	0.00	0.00	0.00	0.00	1.22	2.99	1.50	0.58	0.00	0.00	0.00	0.00	1.75	3.83
1815	1.32	0.62	0.00	0.00	0.00	0.00	1.34	3.28	1.65	0.64	0.00	0.00	0.00	0.00	1.92	4.21
1820	1.46	0.69	0.00	0.00	0.00	0.00	1.49	3.64	1.82	0.71	0.00	0.00	0.00	0.00	2.12	4.65
1825	1.68	0.80	0.00	0.00	0.00	0.00	1.72	4.20	2.11	0.82	0.00	0.00	0.00	0.00	2.45	5.38
1830	1.83	0.87	0.00	0.00	0.00	0.00	1.86	4.56	2.29	0.89	0.00	0.00	0.00	0.00	2.66	5.84
1835	2.24	1.06	0.00	0.00	0.00	0.00	2.29	5.59	2.80	1.09	0.00	0.00	0.00	0.00	3.26	7.15
1840	2.58	1.22	0.00	0.00	0.00	0.00	2.63	6.43	3.22	1.25	0.00	0.00	0.00	0.00	3.75	8.22
1850	0.29	0.14	0.00	0.00	0.00	0.00	0.30	0.73	0.37	0.14	0.00	0.00	0.00	0.00	0.43	0.94
1855	0.36	0.17	0.00	0.00	0.00	0.00	0.37	0.90	0.45	0.17	0.00	0.00	0.00	0.00	0.52	1.14
1860	0.45	0.21	0.00	0.00	0.00	0.00	0.46	1.12	0.56	0.22	0.00	0.00	0.00	0.00	0.65	1.43
1865	0.54	0.26	0.00	0.00	0.00	0.00	0.55	1.35	0.67	0.26	0.00	0.00	0.00	0.00	0.78	1.71
1870	0.62	0.29	0.00	0.00	0.00	0.00	0.63	1.54	0.78	0.30	0.00	0.00	0.00	0.00	0.90	1.98
1875	0.74	0.35	0.00	0.00	0.00	0.00	0.76	1.85	0.93	0.36	0.00	0.00	0.00	0.00	1.08	2.37
1880	0.82	0.39	0.00	0.00	0.00	0.00	0.83	2.04	1.02	0.40	0.00	0.00	0.00	0.00	1.19	2.61
1885	0.99	0.47	0.00	0.00	0.00	0.00	1.01	2.47	1.24	0.48	0.00	0.00	0.00	0.00	1.44	3.16
1890	1.06	0.50	0.00	0.00	0.00	0.00	1.08	2.64	1.32	0.51	0.00	0.00	0.00	0.00	1.54	3.37
1895	1.35	0.64	0.00	0.00	0.00	0.00	1.38	3.37	1.69	0.66	0.00	0.00	0.00	0.00	1.97	4.32
1900	1.40	0.66	0.00	0.00	0.00	0.00	1.43	3.49	1.75	0.68	0.00	0.00	0.00	0.00	2.04	4.47
1905	1.60	0.76	0.00	0.00	0.00	0.00	1.63	3.99	2.00	0.77	0.00	0.00	0.00	0.00	2.33	5.10
1910	1.76	0.83	0.00	0.00	0.00	0.00	1.79	4.38	2.20	0.85	0.00	0.00	0.00	0.00	2.56	5.61
1915	2.11	1.00	0.00	0.00	0.00	0.00	2.15	5.26	2.64	1.02	0.00	0.00	0.00	0.00	3.07	6.73
1920	2.25	1.06	0.00	0.00	0.00	0.00	2.29	5.60	2.81	1.09	0.00	0.00	0.00	0.00	3.27	7.17
1925	2.86	1.36	0.00	0.00	0.00	0.00	2.92	7.14	3.58	1.39	0.00	0.00	0.00	0.00	4.17	9.14
1930	3.19	1.51	0.00	0.00	0.00	0.00	3.25	7.95	3.99	1.55	0.00	0.00	0.00	0.00	4.64	10.18
1940	1.18	0.56	0.00	0.00	0.00	0.00	1.20	2.94	1.47	0.57	0.00	0.00	0.00	0.00	1.71	3.75
1945	1.22	0.58	0.00	0.00	0.00	0.00	1.25	3.05	1.53	0.59	0.00	0.00	0.00	0.00	1.78	3.90

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRES WEAR	TIRES RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRES WEAR	TIRES RPR	REPR	TOTAL RATE
1950	1.37	0.65	0.00	0.00	0.00	0.00	1.40	3.42	1.71	0.66	0.00	0.00	0.00	0.00	2.00	4.37
1955	1.84	0.87	0.00	0.00	0.00	0.00	1.87	4.58	2.30	0.89	0.00	0.00	0.00	0.00	2.67	5.86
1960	2.05	0.97	0.00	0.00	0.00	0.00	2.09	5.11	2.57	1.00	0.00	0.00	0.00	0.00	2.99	6.56
1965	2.12	1.00	0.00	0.00	0.00	0.00	2.16	5.28	2.65	1.03	0.00	0.00	0.00	0.00	3.09	6.77
1970	2.27	1.08	0.00	0.00	0.00	0.00	2.31	5.66	2.84	1.10	0.00	0.00	0.00	0.00	3.31	7.25
1975	2.89	1.37	0.00	0.00	0.00	0.00	2.94	7.20	3.61	1.40	0.00	0.00	0.00	0.00	4.21	9.22
1980	2.97	1.41	0.00	0.00	0.00	0.00	3.03	7.41	3.72	1.44	0.00	0.00	0.00	0.00	4.33	9.49
1985	3.79	1.79	0.00	0.00	0.00	0.00	3.86	9.44	4.73	1.84	0.00	0.00	0.00	0.00	5.51	12.08
1990	3.89	1.84	0.00	0.00	0.00	0.00	3.97	9.70	4.87	1.89	0.00	0.00	0.00	0.00	5.67	12.43
1995	4.63	2.19	0.00	0.00	0.00	0.00	4.72	11.54	5.79	2.25	0.00	0.00	0.00	0.00	6.74	14.78
2000	4.89	2.32	0.00	0.00	0.00	0.00	4.99	12.20	6.12	2.37	0.00	0.00	0.00	0.00	7.12	15.61
2010	0.76	0.36	0.00	0.00	0.00	0.00	0.77	1.89	0.95	0.37	0.00	0.00	0.00	0.00	1.11	2.43
2015	0.97	0.46	0.00	0.00	0.00	0.00	0.99	2.42	1.22	0.47	0.00	0.00	0.00	0.00	1.42	3.11
2020	1.33	0.63	0.00	0.00	0.00	0.00	1.36	3.32	1.67	0.65	0.00	0.00	0.00	0.00	1.94	4.26
2025	1.77	0.84	0.00	0.00	0.00	0.00	1.80	4.41	2.21	0.86	0.00	0.00	0.00	0.00	2.57	5.64
2030	2.63	1.25	0.00	0.00	0.00	0.00	2.68	6.56	3.29	1.28	0.00	0.00	0.00	0.00	3.83	8.40
2035	3.01	1.42	0.00	0.00	0.00	0.00	3.06	7.49	3.76	1.46	0.00	0.00	0.00	0.00	4.38	9.60
2040	3.64	1.72	0.00	0.00	0.00	0.00	3.71	9.07	4.55	1.76	0.00	0.00	0.00	0.00	5.30	11.61
2045	4.43	2.10	0.00	0.00	0.00	0.00	4.51	11.04	5.54	2.15	0.00	0.00	0.00	0.00	6.45	14.14
2050	5.37	2.54	0.00	0.00	0.00	0.00	5.48	13.39	6.72	2.60	0.00	0.00	0.00	0.00	7.82	17.14
2055	6.25	2.96	0.00	0.00	0.00	0.00	6.36	15.57	7.81	3.03	0.00	0.00	0.00	0.00	9.09	19.93
2065	0.20	0.06	0.37	0.09	0.00	0.00	0.30	1.02								
2070	0.16	0.05	0.37	0.09	0.00	0.00	0.24	0.91								
2075	0.21	0.07	0.61	0.15	0.00	0.00	0.32	1.36								
2080	0.28	0.08	0.61	0.15	0.00	0.00	0.42	1.54								
2085	0.36	0.11	0.74	0.18	0.00	0.00	0.54	1.93								
2090	0.14	0.04	0.37	0.09	0.00	0.00	0.21	0.85								
2095	0.22	0.07	0.86	0.21	0.00	0.00	0.33	1.69								
2100	0.42	0.13	1.11	0.27	0.00	0.00	0.63	2.56								
2105	0.44	0.13	0.40	0.10	0.00	0.00	0.65	1.72								
2110	0.70	0.21	0.57	0.14	0.00	0.00	1.05	2.67								
2115	1.43	0.44	0.57	0.14	0.00	0.00	2.14	4.72								
2120	1.38	0.42	0.45	0.11	0.00	0.00	2.07	4.43								
2125	1.56	0.48	0.45	0.11	0.00	0.00	2.33	4.93								
2130	1.77	0.54	0.51	0.12	0.00	0.00	2.65	5.59								
2135	2.16	0.66	0.74	0.18	0.00	0.00	3.22	6.96								
2145	0.12	0.05	0.48	0.15	0.00	0.00	0.14	0.94								
2155	0.11	0.05	0.67	0.21	0.00	0.00	0.13	1.17								
2160	0.42	0.20	1.53	0.49	0.00	0.00	0.50	3.14								
2165	0.55	0.26	1.53	0.49	0.00	0.00	0.64	3.47								
2175	9.10	4.82	5.77	1.62	0.00	0.00	13.00	34.31								
2180	16.06	8.51	8.46	2.37	0.00	0.00	22.95	58.35								
2185	28.21	14.95	10.16	2.85	0.00	0.00	40.30	96.47								
2195	1.84	0.98	4.45	1.43	0.03	0.01	2.63	11.37								
2200	8.29	4.39	4.07	1.14	0.00	0.00	11.84	29.73								
2210	2.17	0.86	0.72	0.20	0.06	0.01	2.88	6.90								
2215	2.46	0.96	1.20	0.34	0.04	0.01	3.25	8.26								
2220	0.91	0.35	0.00	0.18	0.00	0.00	1.20	2.64								
2225	1.47	0.57	0.00	0.28	0.00	0.00	1.95	4.27								
2235	4.27	1.66	3.72	1.04	0.02	0.00	5.64	16.35								
2245	5.00	1.95	6.59	1.85	0.02	0.00	6.61	22.02								
2250	12.74	5.00	15.05	4.21	0.24	0.04	16.87	54.15								
2260	4.43	1.73	4.01	1.12	0.02	0.00	5.86	17.17								
2265	6.87	2.70	9.11	2.55	0.13	0.02	9.09	30.47								
2270	7.05	2.77	9.11	2.55	0.13	0.02	9.34	30.97								

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	REPP	TOTAL RATE	
2275	13.31	5.29	12.54	3.51	0.60	0.09	17.67	53.01									
2280	19.33	7.65	12.54	3.51	0.68	0.10	25.62	69.43									
2285	24.02	9.56	17.13	4.80	1.17	0.18	31.89	88.75									
2290	24.30	9.67	17.13	4.80	1.17	0.18	32.26	89.51									
2300	11.42	6.41	2.99	0.54	0.00	0.00	11.78	33.14	13.70	6.51	3.78	0.68	0.00	0.00	16.15	40.82	
2305	12.36	8.53	3.66	0.66	0.00	0.00	14.57	39.78	14.26	8.62	4.64	0.83	0.00	0.00	18.91	47.26	
2310	11.80	9.12	2.93	0.53	0.00	0.00	11.25	35.63	13.62	9.20	3.78	0.68	0.00	0.00	14.06	41.34	
2320	12.55	9.70	2.93	0.53	0.00	0.00	11.96	37.67	14.49	9.79	3.78	0.68	0.00	0.00	14.95	43.69	
2330	13.32	10.29	2.93	0.53	0.00	0.00	12.69	39.76	15.37	10.38	3.78	0.68	0.00	0.00	15.86	46.07	
2340	17.29	11.94	5.39	0.97	0.00	0.00	20.38	55.97	19.95	12.06	6.83	1.23	0.00	0.00	26.45	66.52	
2345	15.72	12.14	4.31	0.78	0.00	0.00	14.97	47.92	18.14	12.25	5.57	1.00	0.00	0.00	18.72	55.68	
2355	13.99	12.85	4.31	0.78	0.00	0.00	15.55	47.48	15.74	12.92	5.57	1.00	0.00	0.00	18.75	53.98	
2365	17.84	16.38	4.31	0.78	0.00	0.00	19.83	59.14	20.07	16.48	5.57	1.00	0.00	0.00	23.91	67.03	
2375	23.61	21.67	7.37	1.33	0.00	0.00	26.24	80.22	26.56	21.80	9.52	1.71	0.00	0.00	31.63	91.22	
2385	24.74	22.71	7.37	1.33	0.00	0.00	27.50	83.65	27.84	22.85	9.52	1.71	0.00	0.00	33.15	95.07	
2390	25.54	20.93	9.21	1.66	0.00	0.00	33.86	91.20	28.73	21.07	11.67	2.10	0.00	0.00	42.33	105.90	
2400	28.02	25.72	7.37	1.33	0.00	0.00	31.14	93.58	31.52	25.88	9.52	1.71	0.00	0.00	37.54	106.17	
2410	26.25	26.65	7.37	1.33	0.00	0.00	33.35	94.95	29.17	26.78	9.52	1.71	0.00	0.00	39.37	106.55	
2420	28.43	28.86	7.37	1.33	0.00	0.00	36.12	102.11	31.59	29.00	9.52	1.71	0.00	0.00	42.64	114.46	
2435	11.97	6.72	3.69	0.66	0.00	0.00	12.34	35.38	14.36	6.82	4.68	0.84	0.00	0.00	16.92	43.62	
2440	9.37	7.24	2.95	0.53	0.00	0.00	8.93	29.02	10.81	7.30	3.81	0.69	0.00	0.00	11.16	33.77	
2450	15.09	9.12	5.39	0.97	0.00	0.00	17.78	48.35	17.83	9.24	7.09	1.28	0.00	0.00	23.64	59.08	
2455	12.86	8.88	4.62	0.83	0.00	0.00	15.16	42.35	14.84	8.97	5.86	1.05	0.00	0.00	19.68	50.40	
2460	11.99	9.26	3.70	0.67	0.00	0.00	11.42	37.04	13.83	9.34	4.78	0.86	0.00	0.00	14.28	43.09	
2470	21.14	12.78	6.67	1.20	0.00	0.00	24.92	66.71	24.99	12.95	8.76	1.58	0.00	0.00	33.13	81.41	
2475	18.57	12.82	5.71	1.03	0.00	0.00	21.88	60.01	21.42	12.95	7.24	1.30	0.00	0.00	28.40	71.31	
2485	24.86	18.23	7.68	1.38	0.00	0.00	32.96	85.11	28.41	18.39	10.09	1.82	0.00	0.00	41.86	100.57	
2490	23.83	17.48	7.68	1.38	0.00	0.00	31.59	81.96	27.23	17.63	10.09	1.82	0.00	0.00	40.12	96.89	
2495	21.33	17.48	6.58	1.18	0.00	0.00	28.28	74.85	24.00	17.60	8.34	1.50	0.00	0.00	35.36	86.80	
2500	19.49	17.89	5.26	0.95	0.00	0.00	21.66	65.25	21.93	18.00	6.80	1.22	0.00	0.00	26.11	74.06	
2510	24.33	22.33	6.24	1.12	0.00	0.00	27.04	81.06	27.37	22.47	8.06	1.45	0.00	0.00	32.59	91.94	
2515	25.01	20.49	7.80	1.40	0.00	0.00	33.16	87.86	28.13	20.63	9.88	1.78	0.00	0.00	41.45	101.87	
2525	30.07	22.06	9.21	1.66	0.00	0.00	39.87	102.87	34.37	22.25	12.11	2.18	0.00	0.00	50.63	121.54	
2530	28.48	20.89	9.21	1.66	0.00	0.00	37.76	98.00	32.55	21.07	12.11	2.18	0.00	0.00	47.95	115.86	
2535	24.53	20.10	7.90	1.42	0.00	0.00	32.52	86.47	27.59	20.24	10.00	1.80	0.00	0.00	40.65	100.28	
2545	37.25	30.53	13.67	2.46	0.00	0.00	60.37	144.28	41.91	30.74	17.97	3.23	0.00	0.00	67.92	161.77	
2550	25.12	25.50	11.72	2.11	0.00	0.00	39.89	104.34	27.91	25.62	14.84	2.67	0.00	0.00	48.75	119.79	
2565	9.18	7.09	2.82	0.51	0.00	0.00	8.74	28.34	10.59	7.15	3.65	0.66	0.00	0.00	10.93	32.98	
2575	11.67	10.72	4.24	0.76	0.00	0.00	12.98	40.37	13.13	10.78	5.47	0.99	0.00	0.00	15.64	46.01	
2585	16.01	14.70	4.37	0.79	0.00	0.00	17.80	53.67	18.01	14.79	5.64	1.02	0.00	0.00	21.45	60.91	
2595	25.70	23.60	6.29	1.13	0.00	0.00	28.57	85.29	28.92	23.74	8.13	1.46	0.00	0.00	34.44	96.69	
2610	18.38	15.06	9.21	1.66	0.00	0.00	24.37	68.68	20.68	15.17	11.67	2.10	0.00	0.00	30.47	80.09	
2615	18.40	16.90	7.37	1.33	0.00	0.00	20.46	64.46	20.70	17.00	9.52	1.71	0.00	0.00	24.66	73.59	
2625	23.33	19.12	10.69	1.92	0.00	0.00	30.93	85.99	26.24	19.25	13.54	2.44	0.00	0.00	38.66	100.13	
2630	21.93	20.13	8.55	1.54	0.00	0.00	24.37	76.52	24.67	20.25	11.05	1.99	0.00	0.00	29.38	87.34	
2640	31.08	25.47	11.56	2.08	0.00	0.00	41.21	111.40	34.96	25.65	14.64	2.63	0.00	0.00	51.51	129.39	
2645	26.30	26.70	9.24	1.66	0.00	0.00	33.41	97.31	29.22	26.83	11.94	2.15	0.00	0.00	39.44	109.58	
2655	40.07	40.68	17.59	3.17	0.00	0.00	50.91	152.42	44.53	40.88	22.72	4.09	0.00	0.00	60.10	172.32	
2660	40.78	41.40	21.99	3.96	0.00	0.00	64.76	172.89	45.32	41.60	27.85	5.01	0.00	0.00	79.15	198.93	
2675	12.96	8.95	7.64	1.38	0.00	0.00	15.27	46.20	14.95	9.03	9.68	1.74	0.00	0.00	19.82	55.22	
2680	11.89	9.18	6.11	1.10	0.00	0.00	11.33	39.61	13.72	9.27	7.89	1.42	0.00	0.00	14.16	46.46	
2690	25.11	15.17	9.85	1.77	0.00	0.00	29.59	81.49	29.67	15.38	12.94	2.33	0.00	0.00	39.34	99.66	
2695	18.66	12.88	8.44	1.52	0.00	0.00	21.99	63.49	21.53	13.01	10.69	1.92	0.00	0.00	28.55	75.70	
2700	17.13	13.23	6.75	1.22	0.00	0.00	16.32	54.65	19.77	13.35	8.72	1.57	0.00	0.00	20.40	63.81	
2710	19.43	15.92	8.44	1.52	0.00	0.00	25.76	71.07	21.85	16.03	10.69	1.92	0.00	0.00	32.20	82.69	

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	TOTAL RATE
					WEAR	RPR						WEAR	RPR			
2715	17.87	16.40	6.75	1.22	0.00	0.00	19.86	62.10	20.10	16.50	8.72	1.57	0.00	0.00	23.94	70.83
2725	33.79	24.79	13.41	2.41	0.00	0.00	44.81	119.21	38.62	25.00	17.62	3.17	0.00	0.00	56.90	141.31
2730	27.09	22.20	11.49	2.07	0.00	0.00	35.92	98.77	30.48	22.36	14.56	2.62	0.00	0.00	44.90	114.92
2735	26.03	23.90	9.19	1.65	0.00	0.00	28.94	89.71	29.29	24.04	11.87	2.14	0.00	0.00	34.88	102.22
2745	23.94	24.30	13.80	2.48	0.00	0.00	38.02	102.54	26.61	24.42	17.48	3.15	0.00	0.00	46.47	118.13
2750	28.26	25.94	11.04	1.99	0.00	0.00	31.41	98.64	31.79	26.10	14.26	2.57	0.00	0.00	37.86	112.58
2765	12.11	8.36	6.10	1.10	0.00	0.00	14.27	41.94	13.97	8.44	7.73	1.39	0.00	0.00	18.52	50.05
2770	11.09	8.57	4.88	0.88	0.00	0.00	10.56	35.98	12.79	8.64	6.30	1.13	0.00	0.00	13.21	42.07
2780	13.80	9.53	6.10	1.10	0.00	0.00	16.27	46.80	15.93	9.53	7.73	1.39	0.00	0.00	21.12	55.80
2785	12.68	9.79	4.88	0.88	0.00	0.00	12.08	40.31	14.63	9.88	6.30	1.13	0.00	0.00	15.10	47.04
2795	17.72	12.24	6.10	1.10	0.00	0.00	20.89	58.05	20.45	12.36	7.73	1.39	0.00	0.00	27.11	69.04
2800	14.49	13.30	4.88	0.88	0.00	0.00	16.10	49.65	16.30	13.38	6.30	1.13	0.00	0.00	19.41	56.52
2815	4.42	3.82	4.55	1.28	0.86	0.13	4.99	20.05								
2820	4.78	4.11	4.68	1.31	0.86	0.13	5.39	21.26								
2825	5.25	4.60	4.68	1.31	0.31	0.20	5.95	23.34								
2830	5.78	5.04	4.68	1.31	1.39	0.21	6.03	24.94								
2835	7.52	6.54	6.34	1.78	1.22	0.18	8.50	32.08								
2840	10.34	9.08	6.91	1.94	2.78	0.42	11.72	43.19								
2845	12.22	10.80	6.91	1.94	3.64	0.55	13.87	49.93								
2850	15.32	13.33	8.46	2.37	3.53	0.53	17.31	60.85								
2855	19.56	17.16	9.35	2.62	5.19	0.78	22.16	76.82								
2865	4.76	4.03	4.88	1.37	0.55	0.08	5.34	21.01								
2870	5.09	4.29	4.88	1.37	0.55	0.08	5.70	21.96								
2875	5.44	4.59	4.88	1.37	0.55	0.08	6.10	23.01								
2885	4.59	3.88	5.08	1.42	0.55	0.08	5.14	20.74								
2890	4.80	4.06	5.08	1.42	0.55	0.08	5.38	21.37								
2895	4.98	4.20	5.08	1.42	0.55	0.08	5.57	21.88								
2900	5.58	4.80	5.08	1.42	1.04	0.16	6.28	24.36								
2905	6.89	6.12	6.30	1.76	2.18	0.33	7.83	31.41								
2910	7.11	6.30	6.30	1.76	2.18	0.33	8.08	32.06								
2915	9.84	8.67	8.21	2.30	2.78	0.42	11.16	43.38								
2920	10.19	8.95	8.21	2.30	2.78	0.42	11.55	44.40								
2925	10.49	9.20	8.21	2.30	2.78	0.42	11.89	45.29								
2930	14.00	12.24	9.56	2.68	3.53	0.53	15.84	58.38								
2940	4.69	3.97	4.88	1.37	0.55	0.08	5.26	20.80								
2945	5.28	4.55	4.88	1.37	1.04	0.16	5.95	23.23								
2950	11.74	10.22	7.64	2.14	2.78	0.42	13.27	48.21								
2960	8.02	6.75	6.90	1.79	0.77	0.12	7.14	31.49	9.03	6.80	8.84	2.30	0.93	0.14	8.70	36.74
2965	14.04	11.73	9.84	2.56	1.02	0.15	12.46	51.80	15.79	11.81	12.67	3.29	1.25	0.19	15.19	60.19
2975	8.66	6.82	6.99	1.82	0.52	0.08	6.92	31.81	10.00	6.89	9.20	2.39	0.64	0.10	8.78	38.00
2980	9.04	7.62	8.25	2.15	0.97	0.15	8.04	36.22	10.17	7.68	10.86	2.82	1.20	0.18	9.80	42.71
2985	11.47	9.62	8.66	2.25	0.98	0.15	10.20	43.33	12.91	9.69	11.40	2.96	1.20	0.18	12.43	50.77
2990	14.78	13.95	10.03	2.61	2.60	0.39	15.38	59.74	16.42	14.03	12.89	3.35	3.21	0.48	18.31	68.69
2995	22.98	21.38	10.39	2.70	2.60	0.39	23.84	84.28	25.53	21.50	13.31	3.46	3.21	0.48	28.38	95.87
3000	24.49	25.00	15.90	4.13	3.28	0.49	29.05	102.34	26.94	25.11	20.48	5.32	4.05	0.61	33.95	116.46
3010	8.49	6.71	8.78	2.28	0.62	0.09	6.79	33.76	9.80	6.77	11.56	3.00	0.77	0.12	8.61	40.63
3015	9.04	7.56	8.78	2.28	0.70	0.10	8.03	36.49	10.17	7.62	11.56	3.00	0.86	0.13	9.78	43.12
3020	10.95	9.16	9.92	2.58	0.84	0.13	9.72	43.30	12.32	9.22	13.05	3.39	1.02	0.15	11.85	51.00
3030	8.77	6.91	8.54	2.22	0.54	0.08	7.00	34.06	10.12	6.97	11.23	2.92	0.66	0.10	8.88	40.88
3035	9.98	8.39	9.92	2.58	0.93	0.14	8.87	40.87	11.23	8.44	13.05	3.39	1.15	0.17	10.81	48.24
3040	11.13	9.33	9.92	2.58	0.93	0.14	9.89	43.92	12.52	9.39	13.05	3.39	1.15	0.17	12.05	51.72
3045	15.70	14.79	14.84	3.86	2.60	0.39	16.34	68.52	17.45	14.87	19.53	5.08	3.21	0.48	19.45	80.07
3055	14.04	11.89	6.50	1.69	1.73	0.26	12.50	48.67	15.79	11.97	8.28	2.15	2.14	0.32	15.24	55.89
3060	12.96	12.11	6.50	1.69	1.73	0.26	13.46	48.77	14.40	12.18	8.28	2.15	2.14	0.32	16.02	55.49
3065	16.23	15.07	10.08	2.62	1.73	0.26	16.83	62.82	18.03	15.16	12.99	3.38	2.14	0.32	20.04	72.06

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE		
3070	18.11	16.88	10.94	2.84	2.22	0.33	18.80	70.12	20.12	16.98	14.00	3.64	2.74	0.41	22.38	80.27
3075	23.80	24.09	13.58	3.53	2.22	0.33	28.18	95.73	26.18	24.20	17.47	4.54	2.74	0.41	32.93	108.47
3085	13.80	11.69	6.30	1.64	1.73	0.26	12.29	47.71	15.53	11.77	8.02	2.08	2.14	0.32	14.98	54.84
3090	17.05	16.09	9.15	2.38	2.97	0.45	17.75	65.84	18.94	16.18	11.68	3.04	3.67	0.55	21.13	75.19
3095	18.89	19.22	9.40	2.44	2.22	0.33	22.40	74.90	20.78	19.31	12.00	3.12	2.74	0.41	26.18	84.54
3105	13.50	11.44	6.57	1.71	1.73	0.26	12.02	47.23	15.18	11.52	8.36	2.17	2.14	0.32	14.65	54.34
3110	13.91	12.98	8.33	2.16	1.73	0.26	14.44	53.81	15.45	13.05	10.62	2.76	2.14	0.32	17.19	61.53
3115	17.05	16.10	11.17	2.90	2.97	0.45	17.75	68.39	18.95	16.18	14.37	3.74	3.67	0.55	21.13	78.59
3120	18.67	19.27	11.17	2.90	3.39	0.51	22.20	78.11	20.53	19.36	14.37	3.74	4.15	0.62	25.95	88.72
3130	10.27	8.10	4.83	1.26	0.69	0.10	8.20	33.45	11.85	8.17	6.14	1.60	0.86	0.13	10.41	39.16
3135	10.38	8.68	5.27	1.37	0.80	0.12	9.22	35.84	11.68	8.74	6.70	1.74	0.99	0.15	11.23	41.23
3140	11.37	9.55	5.41	1.41	1.04	0.16	10.11	39.05	12.79	9.61	6.86	1.78	1.28	0.19	12.32	44.83
3145	14.84	12.55	7.30	1.90	1.73	0.26	13.21	51.79	16.70	12.63	9.34	2.43	2.14	0.32	16.10	59.66
3150	14.84	13.82	7.45	1.94	1.73	0.26	15.40	55.44	16.49	13.90	9.51	2.47	2.14	0.32	18.34	63.17
3155	16.58	15.50	9.19	2.39	2.22	0.33	17.23	63.44	18.42	15.59	11.70	3.04	2.74	0.41	20.51	72.41
3160	20.57	19.11	9.97	2.59	2.22	0.33	21.34	76.13	22.85	19.22	12.71	3.31	2.74	0.41	25.40	86.64
3165	20.33	20.65	11.23	2.92	2.22	0.33	24.09	81.77	22.37	20.74	14.37	3.74	2.74	0.41	28.16	92.53
3170	41.93	42.35	18.26	4.75	3.53	0.53	49.62	160.97	46.12	42.54	23.51	6.11	4.37	0.65	57.99	181.29
3180	5.20	2.48	0.00	0.31	0.00	0.00	6.96	14.95								
3185	4.78	2.28	0.00	0.46	0.00	0.00	6.40	13.92								
3190	5.43	2.59	0.00	0.62	0.00	0.00	7.28	15.92								
3195	6.45	3.08	0.00	0.62	0.00	0.00	8.64	18.79								
3200	7.22	3.44	0.00	0.77	0.00	0.00	9.67	21.10								
3210	5.90	2.81	0.00	0.44	0.00	0.00	7.91	17.06								
3215	6.42	3.06	0.00	0.59	0.00	0.00	8.61	18.68								
3220	7.32	3.49	0.00	0.93	0.00	0.00	9.81	21.55								
3230	5.25	2.50	0.00	0.51	0.00	0.00	7.04	15.30								
3235	6.00	2.86	0.00	0.51	0.00	0.00	8.04	17.41								
3240	7.34	3.50	0.00	0.76	0.00	0.00	9.84	21.44								
3250	1.27	0.60	0.00	0.29	0.00	0.00	1.70	3.86								
3255	0.81	0.39	0.00	0.29	0.00	0.00	1.08	2.57								
3260	0.12	0.06	0.00	0.23	0.00	0.00	0.16	0.57								
3270	1.94	0.93	2.21	0.53	0.00	0.00	2.60	8.21								
3275	1.38	0.66	1.01	0.24	0.00	0.00	1.84	5.13								
3285	1.21	0.58	1.31	0.21	0.00	0.00	1.63	4.94								
3290	1.86	0.89	3.39	0.54	0.00	0.00	2.50	9.18								
3295	2.21	1.06	2.01	0.48	0.00	0.00	2.96	8.72								
3300	2.54	1.21	2.72	0.65	0.00	0.00	3.40	10.52								
3305	3.06	1.46	3.02	0.72	0.00	0.00	4.10	12.36								
3315	1.16	0.55	1.97	0.31	0.00	0.00	1.55	5.54								
3320	1.79	0.85	2.46	0.59	0.00	0.00	2.40	8.09								
3330	14.96	10.53	15.29	3.67	1.31	0.20	20.12	66.08								
3340	14.04	9.90	11.32	2.72	1.32	0.20	18.88	58.38								
3345	21.37	15.04	16.85	4.04	1.77	0.27	28.73	88.07								
3350	22.77	16.01	17.60	4.22	1.77	0.27	30.62	93.26								
3355	16.76	11.62	20.62	4.95	0.00	0.00	22.47	76.42								
3360	18.56	12.86	20.62	4.95	0.00	0.00	24.87	81.86								
3365	20.95	19.05	20.62	4.95	0.00	0.00	28.08	93.65								
3370	38.43	34.93	50.75	25.37	0.00	0.00	25.75	175.23								
3380	1.88	0.92	5.61	1.35	0.11	0.02	1.94	11.83								
3385	2.16	1.05	7.13	1.71	0.12	0.02	2.23	14.42								
3390	3.32	1.61	10.34	2.48	0.15	0.02	3.43	21.35								
3395	4.58	2.26	11.32	2.72	0.41	0.06	4.75	26.10								
3400	5.21	2.56	11.32	2.72	0.41	0.06	5.40	27.68								
3405	5.43	2.68	11.32	2.72	0.48	0.07	5.63	28.33								

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	
3410	6.06	2.98	11.32	2.72	0.46	0.07	6.27	29.88								
3415	11.27	5.69	16.93	4.06	1.53	0.23	11.74	51.45								
3430	1.17	0.81	5.25	1.26	0.00	0.00	1.39	9.88	1.30	0.81	6.90	1.66	0.00	0.00	1.81	12.48
3435	1.38	0.95	8.13	1.95	0.00	0.00	1.64	14.05	1.53	0.96	10.70	2.57	0.00	0.00	2.13	17.89
3440	1.57	1.08	8.95	2.15	0.00	0.00	1.87	15.62	1.74	1.09	11.77	2.82	0.00	0.00	2.42	19.84
3445	1.67	1.15	10.57	2.54	0.00	0.00	1.99	17.92	1.85	1.16	13.91	3.34	0.00	0.00	2.57	22.83
3450	1.88	1.30	11.99	2.88	0.00	0.00	2.24	20.29	2.09	1.31	15.78	3.79	0.00	0.00	2.91	25.88
3455	2.20	1.52	13.42	3.22	0.00	0.00	2.62	22.98	2.45	1.53	17.65	4.24	0.00	0.00	3.40	29.27
3460	2.40	1.65	15.86	3.81	0.00	0.00	2.85	26.57	2.66	1.66	20.86	5.01	0.00	0.00	3.70	33.89
3465	4.35	3.00	17.28	4.15	0.00	0.00	5.18	33.96	4.83	3.02	22.74	5.46	0.00	0.00	6.72	42.77
3470	3.29	2.27	17.89	4.29	0.00	0.00	3.92	31.66	3.66	2.29	23.54	5.65	0.00	0.00	5.09	40.23
3475	3.83	2.64	25.41	6.10	0.30	0.00	4.56	42.54	4.25	2.66	33.44	8.02	0.00	0.00	5.91	54.28
3480	5.82	4.01	29.68	7.12	0.00	0.00	6.93	53.56	6.46	4.04	39.05	9.37	0.00	0.00	8.98	67.90
3485	8.63	5.95	32.93	7.90	0.00	0.00	10.28	65.69	9.59	5.99	43.33	10.40	0.00	0.00	13.33	82.64
3490	11.20	7.72	46.96	11.27	0.00	0.00	13.34	90.49	12.44	7.77	61.79	14.83	0.00	0.00	17.29	114.12
3505	0.08	0.05	0.53	0.13	0.00	0.00	0.09	0.88	0.09	0.05	0.70	0.17	0.00	0.00	0.12	1.13
3510	0.17	0.12	1.25	0.30	0.00	0.00	0.21	2.05	0.19	0.12	1.63	0.39	0.00	0.00	0.27	2.60
3515	0.19	0.13	1.75	0.43	0.00	0.00	0.23	2.76	0.21	0.13	2.32	0.56	0.00	0.00	0.30	3.52
3520	0.20	0.14	0.24	0.06	0.00	0.00	0.24	0.88	0.22	0.14	0.32	0.08	0.00	0.00	0.31	1.07
3525	0.27	0.19	0.49	0.12	0.00	0.00	0.32	1.39	0.30	0.19	0.64	0.15	0.00	0.00	0.41	1.69
3530	0.39	0.27	0.89	0.21	0.00	0.00	0.46	2.22	0.43	0.27	1.18	0.28	0.00	0.00	0.60	2.76
3535	0.40	0.28	1.10	0.26	0.00	0.00	0.48	2.52	0.45	0.28	1.44	0.35	0.00	0.00	0.62	3.14
3540	0.60	0.41	2.56	0.61	0.00	0.00	0.71	4.89	0.66	0.41	3.37	0.81	0.00	0.00	0.92	6.17
3545	0.79	0.54	3.54	0.85	0.00	0.00	0.94	6.66	0.88	0.55	4.65	1.12	0.00	0.00	1.22	8.42
3550	0.90	0.62	4.15	1.00	0.00	0.00	1.08	7.75	1.00	0.63	5.46	1.31	0.00	0.00	1.40	9.80
3555	1.07	0.74	6.59	1.58	0.00	0.00	1.28	11.26	1.19	0.75	8.67	2.08	0.00	0.00	1.66	14.35
3560	1.12	0.77	6.59	1.58	0.00	0.00	1.34	11.40	1.25	0.78	8.67	2.08	0.00	0.00	1.74	14.52
3565	1.32	0.91	8.54	2.05	0.00	0.00	1.57	14.39	1.46	0.91	11.23	2.70	0.00	0.00	2.03	18.33
3570	1.57	1.08	11.22	2.69	0.00	0.00	1.87	18.43	1.74	1.09	14.77	3.54	0.00	0.00	2.42	23.56
3585	5.29	3.92	4.68	1.36	0.46	0.07	5.75	21.53	6.35	3.97	6.15	1.78	0.62	0.09	7.48	26.44
3590	5.72	4.22	5.06	1.47	0.46	0.07	6.21	23.21	6.86	4.28	6.64	1.93	0.62	0.09	8.07	28.49
3595	6.11	4.51	5.06	1.47	0.51	0.08	6.63	24.37	7.33	4.57	6.64	1.93	0.68	0.10	8.62	29.87
3600	6.26	4.64	5.62	1.63	0.58	0.09	6.80	25.62	7.51	4.70	7.38	2.14	0.79	0.12	8.84	31.48
3605	8.53	6.48	6.74	1.95	1.39	0.21	9.35	34.65	10.23	6.56	8.86	2.57	1.88	0.28	12.16	42.54
3610	12.15	9.32	9.36	2.72	2.28	0.34	13.37	49.54	14.59	9.44	12.30	3.57	3.09	0.46	17.38	60.83
3620	4.38	3.28	4.68	1.36	0.51	0.08	4.78	19.07	5.26	3.32	6.15	1.78	0.68	0.10	6.21	23.50
3625	4.91	3.67	5.69	1.65	0.56	0.08	5.35	21.91	5.89	3.71	7.48	2.17	0.75	0.11	6.96	27.07
3630	5.23	3.92	6.29	1.82	0.64	0.10	5.70	23.70	6.27	3.97	8.27	2.40	0.87	0.13	7.41	29.32
3635	5.68	4.22	6.78	1.97	0.56	0.08	6.18	25.47	6.81	4.27	8.91	2.58	0.87	0.13	8.03	31.46
3640	4.09	3.07	4.68	1.36	0.51	0.08	4.47	18.26	4.91	3.11	6.15	1.78	0.68	0.10	5.81	22.54
3645	4.51	3.38	5.69	1.65	0.56	0.08	4.92	20.79	5.41	3.42	7.48	2.17	0.75	0.11	6.40	25.74
3650	4.73	3.56	5.69	1.65	0.64	0.10	5.16	21.53	5.67	3.60	7.48	2.17	0.87	0.13	6.71	26.63
3655	5.22	3.91	6.78	1.97	0.64	0.10	5.70	24.32	6.26	3.96	8.91	2.58	0.87	0.13	7.40	30.11
3660	6.26	4.86	8.61	2.50	1.39	0.21	6.92	30.75	7.51	4.92	11.32	3.28	1.88	0.28	8.99	38.18
3670	2.85	2.09	2.55	0.74	0.16	0.02	3.08	11.49	3.42	2.11	3.35	0.97	0.21	0.03	4.01	14.10
3675	4.54	3.39	5.06	1.47	0.51	0.08	4.95	20.00	5.45	3.43	6.64	1.93	0.68	0.10	6.43	24.66
3680	4.80	3.57	5.06	1.47	0.51	0.08	5.22	20.71	5.76	3.62	6.64	1.93	0.68	0.10	6.79	25.52
3685	5.14	3.84	5.99	1.74	0.58	0.09	5.60	22.98	6.16	3.89	7.88	2.26	0.79	0.12	7.28	28.40
3695	2.85	2.08	5.60	0.90	0.16	0.02	3.08	14.69	3.42	2.11	7.25	1.16	0.21	0.03	4.01	18.19
3700	5.25	3.89	5.43	1.57	0.46	0.07	5.71	22.38	6.30	3.94	7.14	2.07	0.62	0.09	7.42	27.58
3705	6.02	4.47	6.97	2.02	0.58	0.09	6.55	26.70	7.23	4.53	9.15	2.65	0.79	0.12	8.51	32.98
3715	0.39	0.18	0.00	0.09	0.00	0.00	0.46	1.12								
3720	0.71	0.34	0.00	0.18	0.00	0.00	0.84	2.07								
3725	0.90	0.43	0.00	0.28	0.00	0.00	1.05	2.66								
3730	2.24	1.06	0.00	0.37	0.00	0.00	2.63	6.30								

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	
3740	4.96	2.35	4.07	0.98	0.00	0.00	5.82	18.18									
3745	6.72	3.19	4.07	0.98	0.00	0.00	7.89	22.85									
3750	10.36	4.92	5.29	1.27	0.00	0.00	12.16	34.00									
3755	12.27	5.82	6.10	1.46	0.00	0.00	14.40	40.05									
3770	7.95	4.12	3.86	0.69	0.00	0.00	8.19	24.81	9.71	4.20	5.07	0.91	0.00	0.00	11.45	31.34	
3775	11.32	6.84	6.93	1.25	0.00	0.00	13.34	39.68	13.37	6.93	9.11	1.64	0.00	0.00	17.73	48.78	
3780	16.58	10.02	11.23	2.02	0.00	0.00	19.54	59.39	19.59	10.15	14.77	2.66	0.00	0.00	25.97	73.14	
3785	21.52	15.78	17.08	3.07	0.00	0.00	28.53	85.98	24.59	15.92	22.44	4.04	0.00	0.00	36.23	103.22	
3795	9.54	4.95	5.99	1.08	0.00	0.00	9.84	31.40	11.66	5.04	7.88	1.42	0.00	0.00	13.74	39.74	
3800	11.65	7.04	8.80	1.58	0.00	0.00	13.73	42.80	13.76	7.13	11.57	2.08	0.00	0.00	18.25	52.79	
3805	11.43	8.38	11.53	2.08	0.00	0.00	15.15	48.57	13.06	8.46	15.16	2.73	0.00	0.00	19.24	58.65	
3810	24.69	18.11	23.07	4.15	0.00	0.00	32.74	102.76	28.22	18.27	30.32	5.46	0.00	0.00	41.58	123.85	
3820	11.62	6.02	6.59	1.19	0.00	0.00	11.98	37.40	14.20	6.14	8.66	1.56	0.00	0.00	16.74	47.30	
3825	13.39	8.09	7.68	1.38	0.00	0.00	15.78	46.32	15.82	8.20	10.09	1.82	0.00	0.00	20.98	56.91	
3830	16.99	10.27	9.29	1.67	0.00	0.00	20.03	58.25	20.08	10.41	12.21	2.20	0.00	0.00	26.63	71.53	
3835	22.54	16.53	14.68	2.64	0.00	0.00	29.89	86.28	25.76	16.68	19.29	3.47	0.00	0.00	37.96	103.16	
3845	6.06	3.14	4.68	0.84	0.00	0.00	6.24	20.96	7.40	3.20	6.15	1.11	0.00	0.00	8.72	26.58	
3850	9.26	4.80	6.74	1.21	0.00	0.00	9.55	31.56	11.32	4.89	8.86	1.59	0.00	0.00	13.34	40.00	
3860	8.64	4.48	3.37	0.61	0.00	0.00	8.92	26.02	10.57	4.57	4.43	0.80	0.00	0.00	12.45	32.82	
3865	10.74	5.57	4.68	0.84	0.00	0.00	11.07	32.90	13.12	5.67	6.15	1.11	0.00	0.00	15.47	41.52	
3870	15.92	9.62	7.30	1.31	0.00	0.00	18.77	52.92	18.82	9.75	9.60	1.73	0.00	0.00	24.95	64.85	
3875	24.19	14.62	12.17	2.19	0.00	0.00	28.51	81.68	28.59	14.82	16.00	2.88	0.00	0.00	37.90	100.19	
3885	7.67	3.97	5.88	1.06	0.00	0.00	7.91	26.49	9.37	4.05	7.73	1.39	0.00	0.00	11.05	33.59	
3890	8.25	4.98	7.12	1.28	0.00	0.00	9.72	31.35	9.75	5.05	9.35	1.68	0.00	0.00	12.92	38.75	
3900	9.86	5.11	4.31	0.78	0.00	0.00	10.17	30.23	12.05	5.21	5.66	1.02	0.00	0.00	14.20	38.14	
3905	12.29	6.37	5.99	1.08	0.00	0.00	12.68	38.41	15.03	6.50	7.88	1.42	0.00	0.00	17.71	48.54	
3910	13.87	8.39	10.19	1.83	0.00	0.00	16.35	50.63	16.40	8.50	13.39	2.41	0.00	0.00	21.74	62.44	
3925	12.72	7.69	8.99	1.62	0.00	0.00	14.99	46.01	15.03	7.79	11.81	2.13	0.00	0.00	19.93	56.59	
3930	14.85	8.98	10.86	1.95	0.00	0.00	17.50	54.14	17.55	9.10	14.27	2.57	0.00	0.00	23.27	66.76	
3935	16.19	11.88	14.61	2.63	0.00	0.00	21.47	66.78	18.51	11.98	19.20	3.46	0.00	0.00	27.27	80.42	
3945	6.18	3.20	4.04	0.73	0.00	0.00	6.38	20.53	7.56	3.27	5.32	0.96	0.00	0.00	8.91	26.02	
3950	9.88	5.12	5.36	0.96	0.00	0.00	10.19	31.51	12.08	5.22	7.04	1.27	0.00	0.00	14.24	39.85	
3955	10.10	6.10	7.86	1.42	0.00	0.00	11.90	37.38	11.93	6.18	10.34	1.86	0.00	0.00	15.82	46.13	
3960	14.22	8.59	8.99	1.62	0.00	0.00	16.76	50.18	16.80	8.71	11.81	2.13	0.00	0.00	22.28	61.73	
3965	17.74	10.72	11.50	2.07	0.00	0.00	20.91	62.94	20.97	10.87	15.11	2.72	0.00	0.00	27.80	77.47	
3970	17.88	13.11	12.17	2.19	0.00	0.00	23.71	69.06	20.43	13.23	16.00	2.88	0.00	0.00	30.10	82.64	
3975	22.36	16.40	14.23	2.56	0.00	0.00	29.65	85.20	25.55	16.54	18.70	3.37	0.00	0.00	37.65	101.81	
3980	25.45	18.67	15.73	2.83	0.00	0.00	33.74	96.42	29.08	18.83	20.67	3.72	0.00	0.00	42.85	115.15	
3985	33.33	27.31	28.46	5.12	0.00	0.00	54.01	148.23	37.49	27.50	37.41	6.73	0.00	0.00	60.76	169.89	
3990	39.96	32.75	31.16	5.61	0.00	0.00	64.76	174.24	44.96	32.98	40.95	7.37	0.00	0.00	72.86	199.12	
4005	8.66	4.49	5.69	1.02	0.00	0.00	8.93	28.79	10.58	4.57	7.48	1.35	0.00	0.00	12.47	36.45	
4010	12.57	7.60	8.54	1.54	0.00	0.00	14.81	45.06	14.85	7.70	11.22	2.02	0.00	0.00	19.69	55.48	
4015	15.58	9.42	11.38	2.05	0.00	0.00	18.36	56.79	18.41	9.54	14.96	2.69	0.00	0.00	24.41	70.01	
4025	7.21	5.72	7.51	2.07	0.62	0.09	5.77	28.99	8.32	5.77	9.84	2.71	0.77	0.12	7.32	34.85	
4030	8.73	7.04	8.12	2.11	1.24	0.19	7.02	34.45	10.07	7.10	10.44	2.71	1.57	0.24	8.91	41.04	
4035	10.38	8.78	13.46	3.50	1.26	0.19	9.24	46.81	11.68	8.84	17.35	4.51	1.56	0.23	11.26	55.43	
4045	1.34	0.65	0.00	0.10	0.00	0.00	1.66	3.75	1.67	0.66	0.00	0.10	0.00	0.00	2.33	4.76	
4050	1.77	0.86	0.00	0.12	0.00	0.00	2.19	4.94	2.21	0.88	0.00	0.12	0.00	0.00	3.08	6.29	
4055	2.62	1.26	0.00	0.15	0.00	0.00	3.24	7.27	3.27	1.29	0.00	0.15	0.00	0.00	4.56	9.27	
4060	1.33	0.64	0.00	0.21	0.00	0.00	1.65	3.83	1.66	0.66	0.00	0.21	0.00	0.00	2.31	4.84	
4070	0.85	0.50	0.59	0.14	0.00	0.00	2.17	4.25									
4080	0.76	0.45	0.64	0.15	0.00	0.00	1.96	3.96									
4090	1.66	1.21	1.14	0.32	0.76	0.11	2.89	8.09	2.07	1.23	1.50	0.42	1.19	0.18	4.01	10.60	
4100	0.35	0.23	0.00	0.00	0.00	0.00	0.59	1.17	0.44	0.24	0.00	0.00	0.00	0.00	0.82	1.50	
4105	0.49	0.33	0.00	0.00	0.00	0.00	0.83	1.65	0.61	0.33	0.00	0.00	0.00	0.00	1.15	2.09	

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
4110	0.08	0.05	0.00	0.00	0.00	0.00	0.13	0.26	0.10	0.05	0.00	0.00	0.00	0.00	0.18	0.33
4115	0.43	0.29	0.00	0.00	0.00	0.00	0.72	1.44	0.53	0.29	0.00	0.00	0.00	0.00	1.00	1.82
4120	0.33	0.22	0.00	0.00	0.00	0.00	0.56	1.11	0.41	0.22	0.00	0.00	0.00	0.00	0.77	1.40
4125	0.40	0.27	0.00	0.00	0.00	0.00	0.67	1.34	0.50	0.27	0.00	0.00	0.00	0.00	0.93	1.70
4130	0.52	0.35	0.00	0.00	0.00	0.00	0.87	1.74	0.65	0.35	0.00	0.00	0.00	0.00	1.21	2.21
4135	0.06	0.04	0.00	0.00	0.00	0.00	0.11	0.21	0.08	0.04	0.00	0.00	0.00	0.00	0.15	0.27
4140	1.86	1.36	1.71	0.48	0.93	0.14	3.24	9.72	2.32	1.38	2.25	0.63	1.46	0.22	4.50	12.76
4150	0.43	0.29	0.00	0.00	0.00	0.00	0.73	1.45	0.54	0.29	0.00	0.00	0.00	0.00	1.01	1.84
4155	0.52	0.35	0.00	0.00	0.00	0.00	0.87	1.74	0.65	0.35	0.00	0.00	0.00	0.00	1.21	2.21
4160	0.08	0.05	0.00	0.00	0.00	0.00	0.13	0.26	0.10	0.05	0.00	0.00	0.00	0.00	0.18	0.33
4165	0.43	0.29	0.00	0.00	0.00	0.00	0.72	1.44	0.53	0.29	0.00	0.00	0.00	0.00	1.00	1.82
4170	0.37	0.25	0.00	0.00	0.00	0.00	0.63	1.25	0.47	0.25	0.00	0.00	0.00	0.00	0.87	1.59
4175	0.47	0.31	0.00	0.01	0.00	0.00	0.78	1.56	0.58	0.32	0.00	0.00	0.00	0.00	1.09	1.99
4180	0.59	0.39	0.00	0.00	0.00	0.00	0.99	1.97	0.74	0.40	0.00	0.00	0.00	0.00	1.38	2.52
4185	0.06	0.04	0.00	0.00	0.00	0.00	0.11	0.21	0.08	0.04	0.00	0.00	0.00	0.00	0.15	0.27
4190	2.10	1.56	2.28	0.64	1.24	0.10	3.68	11.69	2.62	1.58	3.00	0.84	1.94	0.29	5.12	15.39
4200	0.46	0.31	0.00	0.00	0.00	0.00	0.78	1.55	0.58	0.31	0.00	0.00	0.00	0.00	1.08	1.97
4205	0.55	0.37	0.00	0.00	0.00	0.00	0.92	1.84	0.68	0.37	0.00	0.00	0.00	0.00	1.28	2.33
4210	0.08	0.05	0.00	0.00	0.00	0.00	0.13	0.26	0.10	0.05	0.00	0.00	0.00	0.00	0.33	
4215	0.43	0.29	0.00	0.00	0.00	0.00	0.72	1.44	0.53	0.29	0.00	0.00	0.00	0.00	1.00	1.82
4220	0.42	0.28	0.00	0.00	0.00	0.00	0.71	1.41	0.53	0.29	0.00	0.00	0.00	0.00	0.99	1.81
4225	0.56	0.37	0.00	0.00	0.00	0.00	0.94	1.87	0.70	0.38	0.00	0.00	0.00	0.00	1.31	2.39
4230	0.74	0.49	0.00	0.00	0.00	0.00	1.25	2.48	0.93	0.50	0.00	0.00	0.00	0.00	1.73	3.16
4235	0.06	0.04	0.00	0.00	0.00	0.00	0.11	0.21	0.08	0.04	0.00	0.00	0.00	0.00	0.15	0.27
4240	2.51	1.89	3.42	0.96	1.71	0.26	4.44	15.19	3.14	1.92	4.49	1.26	2.71	0.41	6.17	20.10
4250	0.49	0.33	0.00	0.00	0.00	0.00	0.83	1.65	0.62	0.34	0.00	0.00	0.00	0.00	1.15	2.11
4255	0.63	0.42	0.00	0.00	0.00	0.00	1.05	2.10	0.78	0.42	0.00	0.00	0.00	0.00	1.46	2.66
4260	0.08	0.05	0.00	0.00	0.00	0.00	0.13	0.26	0.10	0.05	0.00	0.00	0.00	0.00	0.18	0.33
4265	0.43	0.29	0.00	0.00	0.00	0.00	0.72	1.44	0.53	0.29	0.00	0.00	0.00	0.00	1.00	1.82
4270	0.53	0.35	0.00	0.00	0.00	0.00	0.89	1.77	0.66	0.36	0.00	0.00	0.00	0.00	1.24	2.26
4275	0.69	0.46	0.00	0.00	0.00	0.00	1.16	2.31	0.86	0.47	0.00	0.00	0.00	0.00	1.62	2.95
4280	0.93	0.62	0.00	0.00	0.00	0.00	1.56	3.11	1.16	0.63	0.00	0.00	0.00	0.00	2.16	3.95
4285	0.06	0.04	0.00	0.00	0.00	0.00	0.11	0.21	0.08	0.04	0.00	0.00	0.00	0.00	0.15	0.27
4290	4.50	3.26	5.08	1.42	2.01	0.30	7.83	24.40	5.62	3.32	6.69	1.87	3.15	0.47	10.88	32.00
4300	0.70	0.47	0.00	0.00	0.00	0.00	1.17	2.34	0.87	0.47	0.00	0.00	0.00	0.00	1.63	2.97
4305	0.08	0.05	0.00	0.00	0.00	0.00	0.13	0.26	0.10	0.05	0.00	0.00	0.00	0.00	0.18	0.33
4310	0.47	0.32	0.00	0.00	0.00	0.00	0.80	1.59	0.59	0.32	0.00	0.00	0.00	0.00	1.11	2.02
4315	0.61	0.41	0.00	0.00	0.00	0.00	1.03	2.05	0.77	0.42	0.00	0.00	0.00	0.00	1.43	2.62
4320	0.85	0.57	0.00	0.00	0.00	0.00	1.43	2.85	1.06	0.58	0.00	0.00	0.00	0.00	1.99	3.63
4325	1.09	0.73	0.00	0.00	0.00	0.00	1.84	3.66	1.37	0.74	0.00	0.00	0.00	0.00	2.55	4.66
4330	0.06	0.04	0.00	0.00	0.00	0.00	0.11	0.21	0.08	0.04	0.00	0.00	0.00	0.00	0.15	0.27
4335	7.79	5.80	5.08	1.42	4.94	0.74	13.71	39.48	9.74	5.90	6.69	1.87	7.81	1.17	19.05	52.23
4340	8.73	6.44	7.52	2.11	5.03	0.75	15.30	45.88	10.91	6.55	9.90	2.77	7.97	1.20	21.25	60.55
4345	8.75	6.65	7.52	2.11	6.95	1.04	15.54	48.56	10.94	6.76	9.90	2.77	11.08	1.66	21.58	64.69
4350	9.96	7.58	11.79	3.30	8.21	1.23	17.69	59.76	12.45	7.71	15.51	4.34	13.13	1.97	24.57	79.68
4355	9.71	7.09	7.52	2.11	4.94	0.74	16.95	49.06	12.14	7.21	9.90	2.77	7.81	1.17	23.54	64.54
4360	10.30	7.49	7.52	2.11	5.03	0.75	17.94	51.14	12.87	7.61	9.90	2.77	7.97	1.20	24.92	67.24
4365	11.48	8.47	11.79	3.30	6.95	1.04	20.13	63.16	14.35	8.62	15.51	4.34	11.08	1.66	27.96	83.52
4370	12.53	9.30	11.79	3.30	8.21	1.23	22.02	68.38	15.56	9.46	15.51	4.34	13.13	1.97	30.59	90.66
4380	0.68	0.45	0.00	0.00	0.00	0.00	1.14	2.27	0.55	0.46	0.00	0.00	0.00	0.00	1.58	2.89
4385	0.91	0.61	0.00	0.00	0.00	0.00	1.53	3.05	1.13	0.62	0.00	0.00	0.00	0.00	2.12	3.87
4390	1.20	0.80	0.00	0.00	0.00	0.00	2.02	4.02	1.50	0.62	0.00	0.00	0.00	0.00	2.61	5.13
4395	1.35	0.90	0.00	0.00	0.00	0.00	2.28	4.53	1.59	0.92	0.00	0.00	0.00	0.00	3.16	5.77
4405	2.56	1.39	1.71	0.65	0.00	0.00	5.15	11.46	3.21	1.42	2.25	0.86	0.00	0.00	6.98	14.72
4410	3.39	1.84	2.33	0.88	0.00	0.00	6.61	15.25	4.24	1.87	3.06	1.16	0.00	0.00	9.22	19.55

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	
4415	4.14	2.24	3.16	1.20	0.00	0.00	8.32	19.06	5.17	2.29	4.16	1.58	0.00	0.00	11.26	24.46	
4420	5.90	3.19	4.61	1.75	0.00	0.00	11.85	27.30	7.37	3.26	6.07	2.31	0.00	0.00	16.05	35.06	
4425	7.04	3.81	6.14	2.33	0.00	0.00	14.16	33.48	8.80	3.89	8.09	3.07	0.00	0.00	19.17	43.02	
4435	3.03	1.64	2.85	1.08	0.00	0.00	6.09	14.69	3.79	1.68	3.76	1.43	0.00	0.00	8.25	18.91	
4440	5.50	2.98	3.51	1.33	0.00	0.00	11.05	24.37	6.87	3.04	4.62	1.76	0.00	0.00	14.97	31.26	
4445	6.90	3.74	4.83	1.83	0.00	0.00	13.87	31.17	8.63	3.82	6.36	2.42	0.00	0.00	18.78	40.01	
4450	7.48	4.05	5.70	2.17	0.00	0.00	15.04	34.44	9.35	4.14	7.51	2.85	0.00	0.00	20.37	44.22	
4455	11.41	6.18	8.34	3.17	0.00	0.00	22.93	52.03	14.26	6.31	10.98	4.17	0.00	0.00	31.05	66.77	
4460	17.54	9.50	12.06	4.58	0.00	0.00	35.26	78.94	21.93	9.70	15.89	6.04	0.00	0.00	47.74	101.30	
4470	4.62	2.50	3.82	1.45	0.00	0.00	9.28	21.67	5.77	2.55	5.03	1.91	0.00	0.00	12.57	27.83	
4475	5.81	3.15	5.35	2.03	0.00	0.00	11.68	28.02	7.26	3.21	7.05	2.68	0.00	0.00	15.81	36.01	
4480	7.64	4.14	6.58	2.50	0.00	0.00	15.36	36.22	9.55	4.22	8.67	3.29	0.00	0.00	20.79	46.52	
4485	10.99	5.95	9.78	3.72	0.00	0.00	22.08	52.52	13.73	6.07	12.88	4.90	0.00	0.00	29.90	67.48	
4495	3.71	2.01	2.85	1.08	0.00	0.00	7.45	17.10	4.64	2.05	3.76	1.43	0.00	0.00	10.09	21.97	
4500	4.41	2.39	3.42	1.30	0.00	0.00	8.86	20.38	5.51	2.44	4.51	1.71	0.00	0.00	11.99	26.16	
4505	6.94	3.76	5.70	2.17	0.00	0.00	13.94	32.51	8.67	3.84	7.51	2.85	0.00	0.00	18.88	41.75	
4510	9.75	5.28	8.34	3.17	0.00	0.00	19.61	46.15	12.19	5.39	10.98	4.17	0.00	0.00	26.55	59.28	
4520	2.64	1.43	1.84	0.70	0.00	0.00	5.31	11.92	3.30	1.46	2.43	0.92	0.00	0.00	7.19	15.30	
4525	3.46	1.87	2.85	1.08	0.00	0.00	6.95	16.21	4.32	1.91	3.76	1.43	0.00	0.00	9.42	20.84	
4535	3.14	1.70	2.76	1.05	0.00	0.00	6.31	14.96	3.92	1.74	3.64	1.38	0.00	0.00	8.54	19.22	
4540	5.46	2.96	4.83	1.83	0.00	0.00	10.98	26.06	6.83	3.02	6.36	2.42	0.00	0.00	14.87	33.50	
4545	6.62	3.58	5.92	2.25	0.00	0.00	13.30	31.67	8.27	3.66	7.80	2.96	0.00	0.00	18.01	40.70	
4550	9.75	5.28	8.77	3.33	0.00	0.00	19.59	46.72	12.18	5.39	11.56	4.39	0.00	0.00	26.53	60.05	
4555	18.82	10.20	15.35	5.83	0.00	0.00	37.83	88.03	23.53	10.41	20.22	7.68	0.00	0.00	51.23	113.07	
4565	0.48	0.27	1.43	0.46	0.11	0.02	0.57	3.34	0.60	0.28	1.86	0.59	0.20	0.03	0.76	4.32	
4570	0.60	0.34	0.53	0.21	0.11	0.02	0.71	2.52	0.75	0.34	0.70	0.28	0.20	0.03	0.95	3.25	
4575	0.71	0.40	2.05	0.66	0.13	0.02	0.84	4.81	0.89	0.41	2.67	0.85	0.26	0.04	1.13	6.25	
4580	0.85	0.48	0.77	0.31	0.13	0.02	1.01	3.57	1.06	0.49	1.02	0.41	0.26	0.04	1.35	4.63	
4585	0.89	0.49	2.67	0.86	0.09	0.01	1.05	6.06	1.11	0.50	3.48	1.11	0.18	0.03	1.40	7.81	
4590	0.84	0.47	2.67	0.86	0.09	0.01	1.00	5.94	1.05	0.48	3.48	1.11	0.18	0.03	1.33	7.66	
4595	1.01	0.56	1.14	0.46	0.09	0.01	1.19	4.46	1.26	0.57	1.50	0.60	0.18	0.03	1.60	5.74	
4600	0.91	0.50	2.85	0.91	0.09	0.01	1.07	6.34	1.13	0.51	3.72	1.19	0.18	0.03	1.43	8.19	
4605	1.08	0.60	3.03	0.97	0.09	0.01	1.27	7.05	1.35	0.61	3.95	1.26	0.18	0.03	1.70	9.08	
4610	1.17	0.64	1.46	0.59	0.09	0.01	1.38	5.34	1.46	0.66	1.93	0.77	0.18	0.03	1.84	6.87	
4615	1.36	0.77	1.71	0.68	0.28	0.04	1.62	6.46	1.70	0.79	2.25	0.90	0.53	0.08	2.17	8.42	
4620	1.47	0.83	2.20	0.88	0.28	0.04	1.74	7.44	1.83	0.85	2.89	1.16	0.53	0.08	2.33	9.67	
4625	2.49	1.48	3.17	1.27	0.96	0.14	3.00	12.51	3.12	1.51	4.17	1.67	1.83	0.27	4.02	16.59	
4635	3.75	2.12	3.37	1.35	0.67	0.10	4.45	15.81	4.69	2.17	4.44	1.78	1.28	0.19	5.97	20.52	
4640	4.55	2.56	4.19	1.68	0.70	0.11	5.39	19.18	5.69	2.61	5.51	2.20	1.35	0.20	7.22	24.78	
4645	6.42	3.61	5.37	2.15	1.03	0.15	7.61	26.34	8.03	3.69	7.06	2.82	1.97	0.30	10.19	34.06	
4650	8.40	4.81	7.52	3.01	1.95	0.29	10.01	35.99	10.50	4.91	9.90	3.96	3.73	0.56	13.40	46.96	
4660	3.24	1.91	2.64	1.06	1.17	0.18	3.89	14.09	4.05	1.95	3.48	1.39	2.23	0.33	5.22	18.65	
4665	4.48	2.53	3.25	1.30	0.84	0.13	5.31	17.84	5.60	2.59	4.28	1.71	1.60	0.24	7.12	23.14	
4670	5.04	2.87	4.07	1.63	1.03	0.15	5.99	20.78	6.30	2.93	5.35	2.14	1.97	0.30	8.02	27.01	
4675	7.59	4.49	5.29	2.11	2.86	0.43	9.13	31.90	9.49	4.58	6.95	2.78	5.46	0.82	12.23	42.31	
4680	9.87	5.98	6.91	2.76	4.81	0.72	11.97	43.02	12.34	6.11	9.09	3.64	9.19	1.38	16.03	57.78	
4685	12.22	7.58	10.57	3.17	5.20	0.78	13.50	53.02	14.67	7.70	13.91	4.17	9.93	1.49	17.36	69.23	
4690	17.31	11.16	15.25	4.57	7.85	1.18	19.30	76.62	20.77	11.33	20.06	6.02	14.99	2.25	24.82	100.24	
4695	35.00	23.10	28.06	8.42	19.19	2.88	39.27	55.92	41.99	23.46	36.91	11.07	36.64	5.50	50.49	206.06	
4705	3.72	2.17	3.33	1.33	1.17	0.18	4.46	16.36	4.65	2.21	4.39	1.75	2.23	0.33	5.97	21.53	
4710	4.51	2.55	4.35	1.74	0.84	0.13	5.35	19.47	5.64	2.61	5.72	2.29	1.60	0.24	7.17	25.27	
4715	5.10	2.90	4.92	1.97	1.03	0.15	6.06	22.13	6.37	2.96	6.47	2.59	1.97	0.30	8.11	28.77	
4720	7.51	4.35	6.26	2.50	2.14	0.32	8.97	32.05	9.38	4.44	8.24	3.30	4.08	0.61	12.02	42.07	
4725	9.92	5.85	8.54	3.42	3.60	0.54	11.92	43.79	12.40	5.97	11.23	4.49	6.87	1.03	15.96	57.95	
4730	11.79	7.34	11.10	3.33	5.20	0.78	13.03	52.57	14.15	7.45	14.61	4.38	9.93	1.49	16.76	68.77	

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
4735	16.09	10.07	14.64	4.39	5.47	0.82	17.81	69.29	19.30	10.23	19.26	5.78	10.44	1.57	22.90	89.48
4740	30.15	19.41	24.88	7.47	13.50	2.02	33.61	131.04	36.18	19.71	32.74	9.82	25.77	3.86	43.22	171.30
4750	3.37	1.92	3.25	1.30	0.70	0.11	4.01	14.66	4.22	1.96	4.28	1.71	1.35	0.20	5.37	19.09
4755	4.28	2.41	4.15	1.66	0.70	0.11	5.07	18.38	5.35	2.46	5.46	2.18	1.35	0.20	6.79	23.79
4760	4.80	2.74	4.39	1.76	1.03	0.15	5.71	20.58	6.00	2.79	5.78	2.31	1.97	0.30	7.65	26.80
4765	6.15	3.61	6.14	2.46	2.14	0.32	7.39	28.21	7.69	3.69	8.08	3.23	4.08	0.61	9.89	37.27
4770	9.60	5.68	8.74	3.50	3.60	0.54	11.55	43.21	12.00	5.79	11.50	4.60	6.87	1.03	15.47	57.26
4775	14.00	8.88	13.62	4.09	5.47	0.82	15.55	62.43	16.80	9.02	17.92	5.38	10.44	1.57	20.00	81.13
4785	3.05	1.79	3.25	1.30	1.03	0.15	3.66	14.23	3.81	1.83	4.28	1.71	1.97	0.30	4.90	18.80
4790	3.73	2.19	4.07	1.63	1.25	0.19	4.48	17.54	4.67	2.23	5.35	2.14	2.39	0.36	6.00	23.14
4795	4.54	2.60	4.88	1.95	1.09	0.16	5.41	20.63	5.68	2.66	6.42	2.57	2.08	0.31	7.25	26.97
4800	6.41	3.85	6.30	2.52	2.86	0.43	7.75	30.12	8.01	3.93	8.29	3.32	5.46	0.82	10.38	40.21
4805	8.94	5.30	7.68	3.07	7.13	0.51	10.76	39.69	11.18	5.41	10.11	4.04	6.54	0.98	14.42	52.68
4810	11.52	7.18	11.38	3.42	5.20	0.78	12.75	52.23	13.83	7.30	14.98	4.49	9.93	1.49	16.39	68.41
4815	16.43	10.27	16.87	5.06	5.47	0.82	18.19	73.11	19.72	10.43	22.20	6.66	10.44	1.57	23.38	94.40
4820	32.68	20.98	23.99	7.20	14.29	0.14	36.11	137.69	39.21	21.31	31.56	9.47	27.29	4.09	46.81	179.74
4830	6.43	3.86	6.51	2.60	2.36	0.43	7.78	30.47	8.04	3.94	8.56	3.42	5.46	0.82	10.41	40.65
4835	3.72	5.53	9.30	2.32	4.81	0.72	9.68	41.67	10.46	5.62	12.36	3.71	9.19	1.38	12.45	55.17
4840	11.68	7.27	12.48	3.74	5.20	0.78	12.92	54.07	14.02	7.39	16.42	4.93	9.93	1.49	16.61	70.79
4845	16.74	10.44	15.78	4.73	5.47	0.82	18.52	72.50	20.08	10.61	20.76	6.23	10.44	1.57	23.81	93.50
4850	22.96	14.55	17.65	5.29	8.88	1.33	25.50	96.16	27.55	14.78	23.22	6.97	16.95	2.54	32.78	124.79
4860	4.18	2.37	3.46	1.38	0.84	0.13	4.97	17.33	5.22	2.42	4.55	1.82	1.60	0.24	6.65	22.50
4865	4.79	2.73	10.42	3.34	1.03	0.15	5.70	28.16	5.93	2.79	13.58	4.35	1.97	0.30	7.64	36.62
4870	6.46	3.88	5.86	2.34	2.86	0.43	7.81	29.64	8.03	3.96	7.70	3.08	5.46	0.82	10.46	39.56
4875	8.25	4.86	7.40	2.96	2.98	0.45	9.92	36.82	10.32	4.97	9.74	3.89	5.69	0.85	13.29	48.75
4880	8.49	5.24	8.74	3.50	4.81	0.72	10.35	41.85	10.62	5.35	11.50	4.60	9.19	1.38	13.87	56.51
4885	11.70	7.28	11.59	3.48	5.20	0.78	12.93	52.96	14.04	7.40	15.25	4.57	9.93	1.49	16.63	69.31
4890	15.39	9.67	16.26	4.88	5.47	0.82	17.06	69.55	18.47	9.83	21.40	6.42	10.44	1.57	21.93	90.06
4900	2.65	1.66	2.24	0.63	0.21	0.03	3.90	11.32	3.31	1.69	2.94	0.82	0.29	0.04	5.18	14.27
4905	3.84	2.42	3.25	0.91	0.37	0.06	5.66	16.51	4.80	2.46	4.28	1.20	0.51	0.08	7.52	20.85
4915	2.56	1.63	2.52	0.71	0.36	0.05	3.79	11.62	3.20	1.66	3.32	0.93	0.51	0.08	5.03	14.73
4920	3.92	2.50	3.25	0.91	0.53	0.08	5.81	17.00	4.91	2.54	4.28	1.20	0.74	0.11	7.72	21.50
4930	3.27	1.77	1.71	0.65	0.00	0.00	6.57	13.97	4.09	1.81	2.25	0.86	0.00	0.00	8.90	17.91
4935	4.41	2.39	2.33	0.88	0.00	0.00	8.86	18.87	5.51	2.44	3.06	1.16	0.00	0.00	11.99	24.16
4945	4.11	2.22	2.85	1.08	0.00	0.00	8.25	18.51	5.13	2.27	3.76	1.43	0.00	0.00	11.18	23.77
4955	1.24	0.52	0.00	0.12	0.00	0.00	2.08	3.96								
4960	1.17	0.49	0.00	0.12	0.00	0.00	1.96	3.74								
4970	1.34	0.56	0.00	0.22	0.00	0.00	2.26	4.38								
4975	2.03	0.85	0.00	0.30	0.00	0.00	3.42	6.60								
4985	1.58	0.66	0.00	0.24	0.00	0.00	2.66	5.14								
4990	2.17	0.91	0.00	0.44	0.00	0.00	3.65	7.17								
4995	2.59	1.09	0.00	0.70	0.00	0.00	4.37	8.75								
5005	3.48	1.46	0.00	0.06	0.00	0.00	5.86	10.86								
5010	3.62	1.52	0.00	0.06	0.00	0.00	6.10	11.30								
5015	6.24	2.61	0.00	0.06	0.00	0.00	10.50	19.41								
5020	6.65	2.78	0.00	0.06	0.00	0.00	11.19	20.68								
5030	3.51	1.47	0.00	0.38	0.00	0.00	5.91	11.27								
5035	4.03	1.69	0.00	0.44	0.00	0.00	6.78	12.94								
5040	4.69	1.97	0.00	0.53	0.00	0.00	7.90	15.09								
5045	5.15	2.16	0.00	0.65	0.00	0.00	8.67	16.63								
5050	5.83	2.44	0.00	0.57	0.00	0.00	9.82	18.66								
5055	6.88	2.88	0.00	0.84	0.00	0.00	11.58	22.18								
5060	8.07	3.38	0.00	0.84	0.00	0.00	13.59	25.86								
5065	9.58	4.01	0.00	1.02	0.00	0.00	16.14	30.75								
5070	15.80	6.62	0.00	1.12	0.00	0.00	26.61	50.15								

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	2.58	1.08	0.00	0.44	0.00	0.00	4.34	8.44								
5085	3.10	1.30	0.00	0.58	0.00	0.00	5.23	10.21								
5090	4.20	1.76	0.00	0.58	0.00	0.00	7.07	13.61								
5095	1.05	0.44	0.00	0.22	0.00	0.00	1.77	3.48								
5100	1.33	0.56	0.00	0.30	0.00	0.00	2.24	4.43								
5105	1.73	0.72	0.00	0.38	0.00	0.00	2.91	5.74								
5115	4.50	1.89	0.00	0.60	0.00	0.00	7.58	14.57								
5120	5.12	2.15	0.00	0.70	0.00	0.00	8.63	16.60								
5125	5.53	2.32	0.00	0.84	0.00	0.00	9.32	18.01								
5130	6.68	2.80	0.00	0.98	0.00	0.00	11.25	21.71								
5135	8.34	3.49	0.00	1.02	0.00	0.00	14.05	26.90								
5140	11.94	5.00	0.00	1.21	0.00	0.00	20.12	38.27								
5150	6.12	2.56	2.40	0.67	0.00	0.00	10.31	22.06								
5155	11.96	5.01	6.34	1.78	0.00	0.00	20.15	45.24								
5160	16.20	6.78	11.99	3.36	0.00	0.00	27.28	65.61								
5170	6.09	4.41	2.36	0.75	0.00	0.00	8.33	21.94	7.31	4.46	3.03	0.97	0.00	0.00	11.34	27.11
5175	9.64	6.97	4.49	1.44	0.00	0.00	13.19	35.73	11.57	7.06	5.78	1.85	0.00	0.00	17.94	44.20
5180	11.05	7.99	4.49	1.44	0.00	0.00	15.12	40.09	13.26	8.09	5.78	1.85	0.00	0.00	20.56	49.54
5185	13.91	10.07	6.74	2.16	0.00	0.00	19.04	51.92	16.69	10.19	8.67	2.77	0.00	0.00	25.90	64.22
5190	19.41	14.04	9.21	2.95	0.00	0.00	26.56	72.17	23.29	14.22	11.84	3.79	0.00	0.00	36.13	89.27
5200	1.10	0.43	0.00	0.14	0.00	0.00	1.46	3.13								
5205	0.41	0.16	0.00	0.09	0.00	0.00	0.54	1.20								
5210	1.63	0.63	0.00	0.28	0.00	0.00	2.16	4.70								
5215	0.71	0.28	0.00	0.05	0.00	0.00	0.94	1.98								
5225	0.48	0.23	1.23	0.39	0.00	0.00	0.56	2.89								
5230	0.61	0.29	1.84	0.59	0.00	0.00	0.71	4.04								
5240	0.03	0.02	0.25	0.08	0.00	0.00	0.04	0.42								
5245	0.04	0.02	0.37	0.12	0.00	0.00	0.05	0.60								
5250	0.07	0.04	0.98	0.31	0.00	0.00	0.09	1.49								
5260	0.64	0.30	5.28	1.69	0.00	0.00	0.75	8.66								
5265	0.37	0.18	1.70	0.65	0.00	0.00	0.43	3.33								
5270	0.84	0.40	9.71	3.11	0.00	0.00	0.99	15.05								
5275	1.22	0.58	3.40	1.29	0.00	0.00	1.43	7.92								
5280	1.55	0.74	3.97	1.51	0.00	0.00	1.83	9.60								
5285	1.66	0.79	3.86	1.47	0.00	0.00	1.95	9.73								
5295	0.06	0.03	0.61	0.20	0.00	0.00	0.08	0.98								
5300	0.09	0.04	0.98	0.31	0.00	0.00	0.11	1.53								
5305	0.18	0.09	1.97	0.63	0.00	0.00	0.21	3.08								
5315	0.08	0.04	0.37	0.12	0.00	0.00	0.09	0.70								
5320	0.09	0.04	0.37	0.12	0.00	0.00	0.11	0.73								
5330	0.10	0.05	0.18	0.08	0.00	0.00	0.06	0.47								
5335	0.12	0.06	0.36	0.16	0.00	0.00	0.07	0.77								
5345	3.78	1.50	0.00	0.07	0.00	0.00	4.68	10.03	5.04	1.55	0.00	0.07	0.00	0.00	7.02	13.68
5350	0.30	0.12	0.00	0.00	0.00	0.00	0.38	0.80	0.40	0.12	0.00	0.00	0.00	0.00	0.56	1.08
5355	2.21	0.87	0.00	0.07	0.00	0.00	2.73	5.88	2.94	0.91	0.00	0.07	0.00	0.00	4.10	8.02
5360	0.22	0.09	0.00	0.00	0.00	0.00	0.27	0.58	0.29	0.09	0.00	0.00	0.00	0.00	0.41	0.79
5365	1.79	0.71	0.00	0.07	0.00	0.00	2.22	4.79	2.39	0.74	0.00	0.07	0.00	0.00	3.33	6.53
5370	0.13	0.05	0.00	0.00	0.00	0.00	0.16	0.34	0.17	0.05	0.00	0.00	0.00	0.00	0.24	0.46
5375	0.82	0.33	0.00	0.07	0.00	0.00	1.02	2.24	1.10	0.34	0.00	0.07	0.00	0.00	1.53	3.04
5380	0.03	0.01	0.00	0.00	0.00	0.00	0.04	0.08	0.04	0.01	0.00	0.00	0.00	0.00	0.05	0.10
5385	1.92	0.76	0.00	0.07	0.00	0.00	2.38	5.13	2.56	0.79	0.00	0.07	0.00	0.00	3.57	6.99
5390	0.17	0.07	0.00	0.00	0.00	0.00	0.21	0.45	0.23	0.07	0.00	0.00	0.00	0.00	0.32	0.62
5395	1.38	0.55	0.00	0.07	0.00	0.00	1.71	3.71	1.84	0.57	0.00	0.07	0.00	0.00	2.57	5.05
5400	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	0.23	0.44
5405	0.77	0.30	0.00	0.07	0.00	0.00	0.95	2.09	1.02	0.31	0.00	0.07	0.00	0.00	1.42	2.82

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	DEPR	CPC	AVERAGE CONDITIONS						SEVERE CONDITIONS						TOTAL RATE	
			FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
5410	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
5415	2.16	0.85	0.00	0.07	0.00	0.00	2.68	5.76	2.88	0.89	0.00	0.07	0.00	0.00	4.01	7.85
5420	0.17	0.07	0.00	0.00	0.00	0.00	0.21	0.45	0.23	0.07	0.00	0.00	0.00	0.00	0.32	0.62
5425	2.09	0.83	0.00	0.07	0.00	0.00	2.59	5.58	2.79	0.86	0.00	0.07	0.00	0.00	3.89	7.61
5430	0.40	0.16	0.00	0.00	0.00	0.00	0.50	1.06	0.54	0.17	0.00	0.00	0.00	0.00	0.75	1.46
5435	1.92	0.76	0.00	0.07	0.00	0.00	2.38	5.13	2.56	0.79	0.00	0.07	0.00	0.00	3.57	6.99
5440	0.17	0.07	0.00	0.00	0.00	0.00	0.21	0.45	0.23	0.07	0.00	0.00	0.00	0.00	0.32	0.62
5445	0.65	0.31	0.00	0.07	0.00	0.00	0.80	1.83	0.81	0.32	0.00	0.07	0.00	0.00	1.12	2.32
5455	4.60	1.82	0.00	0.07	0.00	0.00	5.70	12.19	6.13	1.89	0.00	0.07	0.00	0.00	8.55	16.64
5460	0.34	0.13	0.00	0.00	0.00	0.00	0.42	0.89	0.45	0.14	0.00	0.00	0.00	0.00	0.63	1.22
5465	4.88	1.93	0.00	0.07	0.00	0.00	6.04	12.92	6.51	2.00	0.00	0.07	0.00	0.00	9.07	17.65
5470	3.94	1.56	0.00	0.07	0.00	0.00	4.88	10.45	5.25	1.62	0.00	0.07	0.00	0.00	7.31	14.25
5475	0.31	0.12	0.00	0.00	0.00	0.00	0.38	0.81	0.41	0.13	0.00	0.00	0.00	0.00	0.57	1.11
5480	3.68	1.46	0.00	0.07	0.00	0.00	4.56	9.77	4.91	1.51	0.00	0.07	0.00	0.00	6.84	13.33
5485	2.55	1.01	0.00	0.07	0.00	0.00	3.16	6.79	3.40	1.05	0.00	0.07	0.00	0.00	4.74	9.26
5490	0.17	0.07	0.00	0.00	0.00	0.00	0.21	0.45	0.23	0.07	0.00	0.00	0.00	0.00	0.32	0.62
5495	2.48	0.98	0.00	0.07	0.00	0.00	3.07	6.60	3.30	1.02	0.00	0.07	0.00	0.00	4.60	8.99
5500	1.48	0.58	0.00	0.07	0.00	0.00	1.83	3.96	1.97	0.61	0.00	0.07	0.00	0.00	2.74	5.39
5505	0.09	0.03	0.00	0.00	0.00	0.00	0.11	0.23	0.12	0.04	0.00	0.00	0.00	0.00	0.16	0.32
5510	0.92	0.36	0.00	0.07	0.00	0.00	1.14	2.49	1.23	0.38	0.00	0.07	0.00	0.00	1.71	3.39
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	0.57	0.22	0.00	0.07	0.00	0.00	0.70	1.56	0.76	0.23	0.00	0.07	0.00	0.00	1.05	2.11
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	0.05	0.09
5530	0.25	0.10	0.00	0.07	0.00	0.00	0.31	0.73	0.33	0.10	0.00	0.07	0.00	0.00	0.46	0.96
5535	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.03	0.06
5545	5.17	2.05	0.00	0.05	0.00	0.00	6.41	13.68	6.90	2.12	0.00	0.05	0.00	0.00	9.61	18.68
5550	4.25	1.68	0.00	0.05	0.00	0.00	5.26	11.24	5.66	1.74	0.00	0.05	0.00	0.00	7.89	15.34
5555	2.73	1.08	0.00	0.05	0.00	0.00	3.38	7.24	3.64	1.12	0.00	0.05	0.00	0.00	5.08	9.89
5560	2.56	1.01	0.00	0.05	0.00	0.00	3.17	6.79	3.41	1.05	0.00	0.05	0.00	0.00	4.75	9.26
5570	2.27	1.24	3.46	0.83	0.21	0.03	2.85	10.89								
5575	2.44	1.33	3.46	0.83	0.21	0.03	3.07	11.37								
5580	3.21	1.74	3.46	0.83	0.26	0.04	4.03	13.57								
5585	4.95	2.94	5.08	1.22	1.65	0.25	6.38	22.47								
5595	2.04	1.12	3.09	0.74	0.21	0.03	2.57	9.80								
5600	2.21	1.21	3.09	0.74	0.21	0.03	2.78	10.27								
5605	2.28	1.24	3.17	0.76	0.21	0.03	2.86	10.55								
5610	2.17	1.19	9.53	2.29	0.26	0.04	2.73	18.21								
5615	2.41	1.32	3.09	0.74	0.26	0.04	3.04	10.90								
5620	2.24	1.24	9.53	2.29	0.30	0.05	2.83	18.48								
5625	2.49	1.37	3.09	0.74	0.30	0.05	3.15	11.19								
5630	5.43	3.01	4.76	1.14	0.76	0.11	6.86	22.07								
5640	2.26	1.23	2.76	0.66	0.21	0.03	2.84	9.99								
5645	2.69	1.54	2.76	0.66	0.60	0.09	3.42	11.76								
5650	5.67	3.13	5.29	1.27	0.73	0.11	7.16	23.36								
5655	6.85	3.81	5.29	1.27	1.06	0.16	8.66	27.10								
5665	2.43	2.07	0.00	0.05	2.22	0.33	3.55	10.65								
5670	3.24	2.41	0.00	0.05	2.73	0.41	4.49	13.33								
5680	2.98	2.67	0.00	0.09	3.05	0.46	4.43	13.68								
5685	3.05	2.36	0.00	0.09	2.11	0.32	4.29	12.22								
5690	5.04	3.75	0.00	0.09	3.05	0.46	6.99	19.38								
5700	0.50	0.33	0.00	0.05	0.24	0.04	0.66	1.82								
5710	0.88	0.46	0.00	0.11	0.00	0.00	1.09	2.54								
5715	1.13	0.59	0.00	0.11	0.00	0.00	1.40	3.23								
5720	1.17	0.62	0.00	0.11	0.00	0.00	1.46	3.36								
5725	1.76	0.92	0.00	0.11	0.00	0.00	2.19	4.96								

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
5730	2.68	1.41	0.00	0.11	0.00	0.00	3.33	7.53								
5735	3.93	2.07	0.00	0.11	0.00	0.00	4.89	11.00								
5740	2.63	1.38	0.00	0.12	0.00	0.00	3.28	7.41								
5745	3.05	1.60	0.00	0.11	0.00	0.00	3.80	8.56								
5750	4.63	2.43	0.00	0.11	0.00	0.00	5.76	12.93								
5760	0.39	0.21	0.00	0.12	0.00	0.00	0.49	1.21								
5765	0.79	0.42	0.00	0.12	0.00	0.00	0.99	2.32								
5775	10.34	5.44	6.91	1.66	0.00	0.00	12.88	37.23								
5780	15.75	8.28	12.60	3.03	0.00	0.00	19.60	59.26								
5785	16.59	8.72	12.60	3.03	0.00	0.00	20.66	61.60								
5795	17.22	9.05	13.42	3.22	0.00	0.00	21.44	64.35								
5805	1.70	0.89	1.59	0.38	0.00	0.00	2.12	6.68								
5810	2.06	1.08	1.59	0.38	0.00	0.00	2.57	7.68								
5815	2.84	1.49	3.46	0.83	0.00	0.00	3.53	12.15								
5820	3.09	1.62	3.46	0.83	0.00	0.00	3.84	12.84								
5825	3.32	1.75	3.46	0.83	0.00	0.00	4.14	13.50								
5830	3.67	1.93	3.46	0.83	0.00	0.00	4.57	14.46								
5840	3.70	1.94	9.53	2.29	0.00	0.00	4.60	22.06								
5845	3.95	2.07	3.46	0.83	0.00	0.00	4.91	15.22								
5850	3.94	2.07	9.53	2.29	0.00	0.00	4.91	22.74								
5855	4.19	2.20	3.46	0.83	0.00	0.00	5.21	15.89								
5860	1.73	0.91	4.81	1.15	0.00	0.00	2.15	10.75								
5865	2.47	1.30	9.53	2.29	0.00	0.00	3.08	18.67								
5870	2.72	1.43	3.09	0.74	0.00	0.00	3.39	11.37								
5875	3.01	1.58	9.53	2.29	0.00	0.00	3.75	20.16								
5880	3.26	1.71	3.09	0.74	0.00	0.00	4.06	12.86								
5885	3.33	1.75	9.53	2.29	0.00	0.00	4.14	21.04								
5890	3.58	1.88	3.09	0.74	0.00	0.00	4.46	13.75								
5900	1.10	0.47	2.21	0.53	0.00	0.00	1.71	6.02								
5905	1.33	0.57	2.21	0.53	0.00	0.00	2.08	6.72								
5910	2.81	1.21	2.44	0.59	0.00	0.00	4.38	11.43								
5915	3.05	1.31	2.44	0.59	0.00	0.00	4.74	12.13								
5920	4.38	1.88	5.39	1.29	0.00	0.00	6.82	19.76								
5925	4.56	1.96	5.39	1.29	0.00	0.00	7.10	20.30								
5935	3.18	1.37	2.78	0.67	0.00	0.00	4.96	12.96								
5940	3.47	1.49	2.78	0.67	0.00	0.00	5.41	13.82								
5945	5.25	2.26	4.37	1.05	0.00	0.00	8.17	21.10								
5950	5.71	2.45	4.37	1.05	0.00	0.00	8.88	22.46								
5960	2.68	1.15	2.04	0.49	0.00	0.00	4.17	10.53								
5965	3.20	1.37	2.21	0.53	0.00	0.00	4.98	12.29								
5975	1.63	0.70	1.70	0.41	0.00	0.00	2.53	6.97								
5980	1.48	0.64	1.70	0.41	0.00	0.00	2.31	6.54								
5990	6.46	2.78	4.25	1.02	0.00	0.00	10.05	24.56								
5995	4.93	2.12	2.84	0.68	0.00	0.00	7.67	18.24								
6005	2.00	0.86	2.04	0.49	0.00	0.00	3.12	8.51								
6010	3.99	1.72	3.40	0.82	0.00	0.00	6.21	16.14								
6015	5.45	2.34	5.10	1.22	0.00	0.00	8.48	22.59								
6025	4.77	2.08	4.14	0.99	0.14	0.02	7.45	19.59								
6030	5.28	2.32	4.14	0.99	0.25	0.04	8.27	21.29								
6035	5.96	2.60	4.14	0.99	0.21	0.03	9.32	23.25								
6040	7.06	3.13	7.09	1.70	0.52	0.08	11.09	30.67								
6045	5.61	2.51	7.09	1.70	0.56	0.08	8.83	26.38								
6050	5.97	2.67	7.09	1.70	0.56	0.08	9.39	27.46								
6055	6.82	3.03	7.09	1.70	0.56	0.08	10.71	29.99								
6060	6.30	2.81	7.09	1.70	0.56	0.08	9.91	28.45								

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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	TOTAL RATE	
6065	7.77	3.45	7.09	1.70	0.56	0.08	12.20	32.85								
6075	6.48	2.78	7.09	1.70	0.00	0.00	10.08	28.13								
6080	5.60	2.51	4.82	1.16	0.52	0.08	8.82	23.51								
6085	6.10	2.73	6.81	1.63	0.56	0.08	9.59	27.50								
6090	7.02	3.12	6.81	1.63	0.56	0.08	11.04	30.26								
6100	7.02	3.12	6.52	1.57	0.56	0.08	11.03	29.90								
6105	11.15	4.92	11.91	2.86	0.69	0.10	17.48	49.11								
6115	4.66	2.02	3.97	0.95	0.11	0.02	7.28	19.01								
6120	4.74	2.08	3.97	0.95	0.22	0.03	7.42	19.41								
6125	6.42	2.78	4.54	1.09	0.12	0.02	10.02	24.99								
6130	5.45	2.38	4.54	1.09	0.22	0.03	8.53	22.24								
6135	5.12	2.24	3.97	0.95	0.20	0.03	8.00	20.51								
6140	5.92	2.65	4.99	1.20	0.52	0.08	9.32	24.72								
6145	6.92	3.07	4.99	1.20	0.52	0.08	10.87	27.65								
6150	7.01	3.12	4.99	1.20	0.56	0.08	11.02	27.98								
6155	7.81	3.45	6.75	1.62	0.51	0.08	12.25	32.47								
6160	6.72	2.99	7.09	1.70	0.51	0.08	10.57	29.71								
6165	8.12	3.88	6.75	1.62	2.09	0.31	13.02	35.79								
6170	6.96	3.38	6.75	1.62	2.09	0.31	11.23	32.34								
6175	6.89	3.19	7.09	1.70	1.21	0.18	10.95	31.21								
6185	4.68	2.05	3.86	0.93	0.20	0.03	7.32	19.07								
6190	4.12	1.80	3.86	0.93	0.14	0.02	6.44	17.31								
6195	4.99	2.17	4.54	1.09	0.14	0.02	7.80	20.75								
6200	5.49	2.40	4.25	1.02	0.20	0.03	8.58	21.97								
6205	5.49	2.39	4.54	1.09	0.14	0.02	8.57	22.24								
6210	7.07	3.14	6.24	1.50	0.56	0.08	11.10	29.69								
6215	5.87	2.63	6.07	1.46	0.56	0.08	9.25	25.92								
6220	6.35	2.84	6.07	1.46	0.56	0.08	9.99	27.35								
6225	8.12	3.59	6.24	1.50	0.56	0.08	12.74	32.83								
6235	0.86	0.37	0.91	0.22	0.00	0.00	1.34	3.70								
6240	2.47	1.06	1.93	0.46	0.00	0.00	3.85	9.77								
6245	5.58	2.40	4.03	0.97	0.00	0.00	8.68	21.66								
6250	7.19	3.09	7.09	1.70	0.00	0.00	11.19	30.26								
6255	9.07	3.90	8.79	2.11	0.00	0.00	14.12	37.99								
6260	10.42	4.48	10.26	2.46	0.00	0.00	16.21	43.83								
6265	11.83	5.08	12.76	3.06	0.00	0.00	18.41	51.14								
6275	0.88	0.38	0.91	0.22	0.00	0.00	1.37	3.76								
6280	2.10	0.90	1.98	0.48	0.00	0.00	3.27	8.73								
6285	5.52	2.37	3.97	0.95	0.00	0.00	8.59	21.40								
6290	7.65	3.29	6.52	1.57	0.00	0.00	11.91	30.94								
6295	8.84	3.80	6.75	1.62	0.00	0.00	13.75	34.76								
6305	0.86	0.37	0.79	0.19	0.00	0.00	1.35	3.56								
6310	4.36	1.87	2.95	0.71	0.00	0.00	6.79	16.68								
6315	6.65	2.86	4.54	1.09	0.00	0.00	10.36	25.50								
6320	8.98	3.86	8.85	2.12	0.00	0.00	13.98	37.79								
6325	13.42	5.77	14.86	3.57	0.00	0.00	20.88	58.50								
6335	7.32	4.61	6.26	2.13	4.94	0.74	9.48	35.48	9.15	4.71	8.19	2.78	8.20	1.23	12.64	46.90
6340	15.64	8.95	12.36	3.34	11.67	1.75	14.92	68.63	19.55	9.16	16.24	4.39	19.38	2.91	20.20	91.83
6345	16.09	10.25	13.77	3.31	11.67	1.75	18.13	74.97	20.12	10.47	18.01	4.32	19.38	2.91	24.41	99.62
6350	19.85	10.37	17.82	4.45	8.99	1.35	20.05	82.88	24.82	10.61	23.11	5.78	15.61	2.34	26.99	109.26
6355	21.17	11.01	17.82	4.45	8.99	1.35	21.35	86.14	26.46	11.26	23.11	5.78	15.61	2.34	28.74	113.30
6360	25.24	13.36	16.85	4.55	10.08	1.51	23.60	95.19	31.55	13.68	22.15	5.98	16.74	2.51	31.96	124.57
6365	26.75	15.77	16.76	4.51	10.08	1.51	29.41	106.81	33.44	16.10	24.56	5.89	16.74	2.51	39.60	138.84
6370	31.57	16.41	27.91	6.98	13.37	2.01	31.84	130.09	39.47	16.79	36.21	9.05	23.22	3.48	42.87	171.09
6375	33.03	17.11	27.91	6.98	13.37	2.01	33.28	133.69	41.28	17.51	36.21	9.05	23.22	3.48	44.81	175.56

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	
6380	31.50	16.65	20.60	5.56	12.31	1.85	29.45	117.92	39.37	17.04	27.07	7.31	20.44	3.07	39.87	154.17
6385	32.91	17.32	20.60	5.56	12.31	1.85	30.73	121.28	41.13	17.73	27.07	7.31	20.44	3.07	41.62	158.37
6390	41.30	21.35	37.61	9.40	16.32	2.45	41.60	170.03	51.62	21.85	48.79	12.20	28.35	4.25	56.00	223.06
6400	6.49	3.85	6.68	2.27	2.65	0.40	8.25	30.59	8.11	3.93	8.73	2.97	4.40	0.66	11.01	39.81
6405	7.46	4.41	7.26	2.47	2.93	0.44	9.48	34.45	9.33	4.51	9.50	3.23	4.87	0.73	12.64	44.81
6410	9.64	5.78	9.68	2.32	4.37	0.66	10.65	43.10	12.04	5.90	12.66	3.04	7.26	1.09	14.34	56.33
6415	14.57	7.56	11.09	2.77	6.08	0.91	14.69	57.67	18.21	7.74	14.38	3.60	10.55	1.58	19.77	75.83
6420	16.24	9.61	13.52	3.24	6.35	0.95	17.88	67.79	20.30	9.81	17.68	4.24	10.54	1.58	24.07	88.22
6430	10.59	6.29	9.56	2.29	4.37	0.66	11.67	45.43	13.23	6.42	12.50	3.00	7.26	1.09	15.71	59.21
6435	15.45	8.19	12.17	3.29	6.29	0.94	14.45	60.78	19.31	8.39	16.00	4.32	10.45	1.57	19.57	79.61
6440	16.38	9.61	13.56	3.25	5.89	0.88	17.98	67.55	20.47	9.82	17.74	4.26	9.79	1.47	24.21	87.76
6445	18.86	9.89	19.64	4.91	8.99	1.35	19.06	82.70	23.57	10.13	25.47	6.37	15.61	2.34	25.66	109.15
6450	22.59	11.64	19.64	4.91	8.42	1.26	22.74	91.20	28.24	11.91	25.47	6.37	14.62	2.19	30.61	119.41
6460	7.70	4.52	7.01	2.38	2.79	0.42	9.76	34.58	9.63	4.62	9.17	3.12	4.64	0.70	13.01	44.89
6465	16.34	8.68	12.21	3.30	6.78	1.02	15.30	63.63	20.43	8.89	16.05	4.33	11.25	1.69	20.71	83.35
6470	19.46	10.19	20.23	5.06	8.99	1.35	19.66	84.94	24.33	10.42	26.24	6.56	15.61	2.34	26.47	111.97
6475	16.96	10.05	13.60	3.26	6.78	1.02	18.68	70.35	21.20	10.26	17.79	4.27	11.25	1.69	25.15	91.61
6480	21.84	11.39	20.23	5.06	9.68	1.45	22.05	91.70	27.30	11.66	26.24	6.56	16.81	2.52	29.68	120.77
6490	8.15	4.77	7.30	2.48	2.79	0.42	10.31	36.22	10.19	4.87	9.55	3.25	4.64	0.70	13.75	46.95
6495	10.80	6.40	10.43	2.50	4.37	0.66	11.89	47.05	13.49	6.54	13.64	3.27	7.26	1.09	16.01	61.30
6505	16.03	9.55	12.94	3.10	6.78	1.02	17.68	67.10	20.03	9.75	16.92	4.06	11.25	1.69	23.80	87.50
6510	26.04	14.16	17.79	4.80	13.40	2.01	24.52	102.72	32.55	14.49	23.38	6.31	22.27	3.34	33.20	135.54
6515	17.24	9.01	11.40	2.85	7.84	1.18	17.41	66.93	21.55	9.22	14.79	3.70	13.62	2.04	23.44	88.36
6520	22.69	11.80	20.59	5.15	9.68	1.45	22.89	94.25	28.36	12.08	26.71	6.68	16.81	2.52	30.81	123.97
6525	30.42	15.82	24.51	6.13	12.99	1.95	30.69	122.51	38.03	16.19	31.79	7.95	22.57	3.39	41.31	161.23
6530	34.03	18.00	28.39	7.10	17.78	2.67	34.47	142.44	42.53	18.42	36.83	9.21	30.88	4.63	46.40	188.90
6545	3.97	2.58	0.00	0.12	1.71	0.26	4.38	13.02	4.77	2.62	0.00	0.12	2.24	0.34	5.63	15.72
6550	5.02	3.41	0.00	0.12	2.90	0.43	5.60	17.48	6.03	3.46	0.00	0.12	3.79	0.57	7.19	21.16
6560	1.99	1.33	0.00	0.07	0.99	0.15	2.21	6.74	2.39	1.35	0.00	0.07	1.30	0.19	2.84	8.14
6570	2.46	1.50	2.85	0.91	0.00	0.00	4.93	12.65	3.07	1.53	3.76	1.20	0.00	0.00	6.73	16.29
6575	0.59	0.29	0.00	0.07	0.00	0.00	0.73	1.68	0.74	0.29	0.00	0.07	0.00	0.00	1.03	2.13
6580	3.09	1.89	3.29	1.05	0.00	0.00	6.20	15.52	3.86	1.92	4.33	1.39	0.00	0.00	8.46	19.96
6585	0.76	0.37	0.00	0.07	0.00	0.00	0.94	2.14	0.95	0.38	0.00	0.07	0.00	0.00	1.32	2.72
6590	0.60	0.29	0.00	0.07	0.00	0.00	0.74	1.70	0.74	0.29	0.00	0.07	0.00	0.00	1.04	2.14
6595	5.09	3.11	4.61	1.47	0.00	0.00	10.22	24.50	6.36	3.16	6.07	1.94	0.00	0.00	13.93	31.46
6600	0.95	0.46	0.00	0.07	0.00	0.00	1.18	2.66	1.19	0.47	0.00	0.07	0.00	0.00	1.66	3.39
6605	0.73	0.35	0.00	0.07	0.00	0.00	0.91	2.06	0.92	0.36	0.00	0.07	0.00	0.00	1.28	2.63
6610	6.89	4.21	6.14	1.97	0.00	0.00	13.83	33.04	8.61	4.28	8.09	2.59	0.00	0.00	18.86	42.43
6615	0.97	0.47	0.00	0.07	0.00	0.00	1.20	2.71	1.21	0.48	0.00	0.07	0.00	0.00	1.69	3.45
6620	1.09	0.53	0.00	0.07	0.00	0.00	1.36	3.05	1.37	0.54	0.00	0.07	0.00	0.00	1.91	3.89
6625	9.82	6.00	8.77	2.81	0.00	0.00	19.72	47.12	12.28	6.11	11.56	3.70	0.00	0.00	26.89	60.54
6630	1.56	0.75	0.00	0.07	0.00	0.00	1.93	4.31	1.95	0.77	0.00	0.07	0.00	0.00	2.72	5.51
6635	1.71	0.83	0.00	0.07	0.00	0.00	2.12	4.73	2.14	0.85	0.00	0.07	0.00	0.00	2.98	6.04
6640	1.36	0.66	0.00	0.07	0.00	0.00	1.69	3.78	1.70	0.67	0.00	0.07	0.00	0.00	2.37	4.81
6645	12.02	7.71	13.16	3.29	0.00	0.00	18.13	54.31	14.43	7.82	17.33	4.33	0.00	0.00	24.17	68.08
6650	2.29	1.11	0.00	0.07	0.00	0.00	2.84	6.31	2.86	1.13	0.00	0.07	0.00	0.00	3.99	8.05
6655	2.52	1.22	0.00	0.07	0.00	0.00	3.12	6.93	3.15	1.25	0.00	0.07	0.00	0.00	4.39	8.66
6660	1.96	0.95	0.00	0.07	0.00	0.00	2.43	5.41	2.45	0.97	0.00	0.07	0.00	0.00	3.41	6.90
6665	0.06	0.03	0.00	0.05	0.00	0.00	0.07	0.21	0.08	0.03	0.00	0.05	0.00	0.00	0.11	0.27
6670	17.30	11.39	20.18	4.44	0.00	0.00	24.10	77.41	20.18	11.52	26.58	5.85	0.00	0.00	31.24	95.37
6675	3.16	1.53	0.00	0.07	0.00	0.00	3.92	8.68	3.95	1.56	0.00	0.07	0.00	0.00	5.51	11.09
6680	2.47	1.20	0.00	0.07	0.00	0.00	3.06	6.80	3.09	1.22	0.00	0.07	0.00	0.00	4.31	8.69
6685	3.34	1.62	0.00	0.07	0.00	0.00	4.14	9.17	4.18	1.65	0.00	0.07	0.00	0.00	5.82	11.72
6690	2.77	1.34	0.00	0.07	0.00	0.00	3.43	7.61	3.46	1.37	0.00	0.07	0.00	0.00	4.82	9.72
6695	0.84	0.41	0.00	0.12	0.00	0.00	1.05	2.42	1.06	0.42	0.00	0.12	0.00	0.00	1.47	3.07

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	
6700	0.09	0.04	0.00	0.07	0.00	0.00	0.11	0.31	0.11	0.05	0.00	0.07	0.00	0.00	0.16	0.39
6705	29.11	19.17	30.71	6.76	0.00	0.00	40.55	126.30	33.96	19.39	40.45	8.90	0.00	0.00	52.56	155.26
6710	4.78	2.31	0.00	0.07	0.00	0.00	5.91	13.07	5.97	2.36	0.00	0.07	0.00	0.00	8.32	16.72
6715	5.23	2.53	0.00	0.07	0.00	0.00	6.48	14.31	6.54	2.59	0.00	0.07	0.00	0.00	9.11	18.31
6720	0.11	0.05	0.00	0.07	0.00	0.00	0.13	0.36	0.13	0.05	0.00	0.07	0.00	0.00	0.18	0.43
6725	1.42	0.69	0.00	0.07	0.00	0.00	1.76	3.94	1.77	0.70	0.00	0.07	0.00	0.00	2.47	5.01
6735	3.75	2.29	3.86	1.24	0.00	0.00	7.53	18.67	4.69	2.33	5.08	1.63	0.00	0.00	10.26	23.99
6740	0.65	0.32	0.00	0.07	0.00	0.00	0.81	1.85	0.82	0.32	0.00	0.07	0.00	0.00	1.14	2.35
6745	0.65	0.31	0.00	0.05	0.00	0.00	0.81	1.82	0.81	0.32	0.00	0.05	0.00	0.00	1.13	2.31
6750	5.00	3.05	5.35	1.71	0.00	0.00	10.03	25.14	6.25	3.11	7.05	2.26	0.00	0.00	13.68	32.35
6755	0.73	0.35	0.00	0.07	0.00	0.00	0.90	2.05	0.91	0.36	0.00	0.07	0.00	0.00	1.27	2.61
6760	0.88	0.43	0.00	0.05	0.00	0.00	1.10	2.46	1.11	0.44	0.00	0.05	0.00	0.00	1.54	3.14
6765	6.89	4.21	6.58	2.11	0.00	0.00	13.84	33.63	8.62	4.29	8.67	2.77	0.00	0.00	18.87	43.22
6770	1.11	0.54	0.00	0.07	0.00	0.00	1.38	3.10	1.39	0.55	0.00	0.07	0.00	0.00	1.94	3.95
6775	1.11	0.54	0.00	0.05	0.00	0.00	1.37	3.07	1.39	0.55	0.00	0.05	0.00	0.00	1.93	3.92
6780	8.79	5.37	9.78	3.13	0.00	0.00	17.65	44.72	10.99	5.47	12.88	4.12	0.00	0.00	24.06	57.52
6785	1.20	0.58	0.00	0.07	0.00	0.00	1.48	3.33	1.50	0.59	0.00	0.07	0.00	0.00	2.09	4.25
6790	1.25	0.61	0.00	0.07	0.00	0.00	1.55	3.48	1.57	0.62	0.00	0.07	0.00	0.00	2.18	4.44
6795	1.69	0.82	0.00	0.05	0.00	0.00	2.09	4.65	2.11	0.84	0.00	0.05	0.00	0.00	2.94	5.94
6800	11.91	7.63	13.16	3.29	0.00	0.00	17.95	53.94	14.29	7.74	17.33	4.33	0.00	0.00	23.94	67.63
6805	2.37	1.15	0.00	0.05	0.00	0.00	2.94	6.51	2.97	1.17	0.00	0.05	0.00	0.00	4.14	8.33
6810	2.39	1.16	0.00	0.05	0.00	0.00	2.96	6.56	2.99	1.18	0.00	0.05	0.00	0.00	4.16	8.38
6815	16.30	10.45	18.64	4.66	0.00	0.00	24.57	74.52	19.56	10.59	24.56	6.14	0.00	0.00	32.76	93.61
6820	3.57	1.73	0.00	0.05	0.00	0.00	4.43	9.78	4.47	1.77	0.00	0.05	0.00	0.00	6.22	12.51
6825	3.68	1.78	0.00	0.05	0.00	0.00	4.56	10.07	4.60	1.82	0.00	0.05	0.00	0.00	6.41	12.88
6830	2.29	1.11	0.00	0.07	0.00	0.00	2.84	6.31	2.87	1.13	0.00	0.07	0.00	0.00	3.99	8.06
6835	21.78	14.35	22.99	5.06	0.00	0.00	30.35	94.53	25.41	14.51	30.28	6.66	0.00	0.00	39.34	116.20
6840	4.13	2.00	0.00	0.05	0.00	0.00	5.12	11.30	5.17	2.04	0.00	0.05	0.00	0.00	7.20	14.46
6845	4.69	2.27	0.00	0.05	0.00	0.00	5.81	12.82	5.87	2.32	0.00	0.05	0.00	0.00	8.18	16.42
6850	2.60	1.26	0.00	0.07	0.00	0.00	3.23	7.16	3.26	1.29	0.00	0.07	0.00	0.00	4.54	9.16
6860	3.21	1.96	2.85	0.91	0.00	0.00	6.44	15.37	4.01	1.99	3.76	1.20	0.00	0.00	8.78	19.74
6865	3.98	2.43	3.42	1.09	0.00	0.00	7.99	18.91	4.98	2.48	4.51	1.44	0.00	0.00	10.90	24.31
6870	5.53	3.37	4.83	1.54	0.00	0.00	11.09	26.36	6.91	3.44	6.36	2.03	0.00	0.00	15.12	33.86
6875	6.56	4.01	6.14	1.97	0.00	0.00	13.17	31.85	8.20	4.08	8.09	2.59	0.00	0.00	17.96	40.92
6880	0.91	0.44	0.00	0.05	0.00	0.00	1.13	2.53	1.14	0.45	0.00	0.05	0.00	0.00	1.59	3.23
6885	1.03	0.50	0.00	0.05	0.00	0.00	1.27	2.85	1.28	0.51	0.00	0.05	0.00	0.00	1.79	3.63
6890	9.82	5.99	9.21	2.95	0.00	0.00	19.71	47.68	12.27	6.10	12.13	3.88	0.00	0.00	26.88	61.26
6895	1.59	0.77	0.00	0.05	0.00	0.00	1.97	4.38	1.98	0.78	0.00	0.05	0.00	0.00	2.76	5.57
6900	1.11	0.54	0.00	0.05	0.00	0.00	1.38	3.08	1.39	0.55	0.00	0.05	0.00	0.00	1.94	3.93
6905	11.72	7.51	13.60	3.40	0.00	0.00	17.66	53.89	14.06	7.62	17.91	4.48	0.00	0.00	23.55	67.62
6910	2.00	0.97	0.00	0.05	0.00	0.00	2.48	5.50	2.51	0.99	0.00	0.05	0.00	0.00	3.49	7.04
6915	1.68	0.81	0.00	0.05	0.00	0.00	2.09	4.63	2.10	0.83	0.00	0.05	0.00	0.00	2.93	5.91
6920	0.68	0.33	0.00	0.07	0.00	0.00	0.84	1.92	0.85	0.34	0.00	0.07	0.00	0.00	1.19	2.45
6925	0.40	0.20	0.00	0.12	0.00	0.00	0.50	1.22	0.51	0.20	0.00	0.12	0.00	0.00	0.70	1.53
6930	0.07	0.04	0.00	0.07	0.00	0.00	0.09	0.27	0.09	0.04	0.00	0.07	0.00	0.00	0.13	0.33
6940	2.14	1.31	1.84	0.59	0.00	0.00	4.30	10.18	2.68	1.33	2.43	0.78	0.00	0.00	5.86	13.08
6945	2.98	1.82	2.85	0.91	0.00	0.00	5.97	14.53	3.72	1.85	3.76	1.20	0.00	0.00	8.15	18.68
6950	3.54	2.16	3.16	1.01	0.00	0.00	7.10	16.97	4.42	2.20	4.16	1.33	0.00	0.00	9.68	21.79
6960	2.44	1.49	2.76	0.88	0.00	0.00	4.89	12.46	3.05	1.52	3.64	1.16	0.00	0.00	6.67	16.04
6965	0.46	0.22	0.00	0.05	0.00	0.00	0.58	1.31	0.58	0.23	0.00	0.05	0.00	0.00	0.81	1.67
6970	3.67	2.24	3.95	1.26	0.00	0.00	7.36	18.48	4.59	2.28	5.20	1.66	0.00	0.00	10.04	23.77
6975	0.35	0.17	0.00	0.05	0.00	0.00	0.43	1.00	0.43	0.17	0.00	0.05	0.00	0.00	0.60	1.25
6980	5.29	3.23	5.18	1.66	0.00	0.00	10.62	25.98	6.61	3.29	6.82	2.18	0.00	0.00	14.48	33.38
6985	0.58	0.28	0.00	0.05	0.00	0.00	0.72	1.63	0.72	0.29	0.00	0.05	0.00	0.00	1.01	2.07
6990	7.47	4.56	6.80	2.18	0.00	0.00	14.99	36.00	9.33	4.64	8.96	2.87	0.00	0.00	20.44	46.24

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR		
					WEAR	RPR						WEAR	RPR				
6995	0.76	0.37	0.00	0.05	0.00	0.00	0.94	2.12	0.95	0.38	0.00	0.05	0.00	0.00	1.33	2.71	
7000	9.38	5.73	9.65	3.09	0.00	0.00	18.83	46.68	11.73	5.83	12.71	4.07	0.00	0.00	25.68	60.02	
7005	1.20	0.58	0.00	0.05	0.00	0.00	1.48	3.31	1.50	0.59	0.00	0.05	0.00	0.00	2.09	4.23	
7010	1.28	0.62	0.00	0.05	0.00	0.00	1.58	3.53	1.59	0.63	0.00	0.05	0.00	0.00	2.22	4.49	
7015	12.23	7.84	14.04	3.51	0.00	0.00	18.44	56.06	14.67	7.95	18.49	4.62	0.00	0.00	24.58	70.31	
7020	1.65	0.80	0.00	0.05	0.00	0.00	2.04	4.54	2.06	0.82	0.00	0.05	0.00	0.00	2.87	5.80	
7025	1.73	0.84	0.00	0.05	0.00	0.00	2.15	4.77	2.17	0.86	0.00	0.05	0.00	0.00	3.02	6.10	
7030	16.37	10.49	17.99	4.50	0.00	0.00	24.67	74.02	19.64	10.64	23.69	5.92	0.00	0.00	32.90	92.79	
7035	2.25	1.09	0.00	0.05	0.00	0.00	2.79	6.18	2.81	1.11	0.00	0.05	0.00	0.00	3.92	7.89	
7040	2.06	0.99	0.00	0.05	0.00	0.00	2.55	5.65	2.57	1.02	0.00	0.05	0.00	0.00	3.58	7.22	
7045	26.73	17.61	27.20	5.98	0.00	0.00	37.24	114.76	31.19	17.81	35.82	7.88	0.00	0.00	48.28	140.98	
7050	5.09	2.46	0.00	0.05	0.00	0.00	6.30	13.90	6.36	2.52	0.00	0.05	0.00	0.00	8.87	17.80	
7055	4.78	2.31	0.00	0.05	0.00	0.00	5.92	13.06	5.97	2.36	0.00	0.05	0.00	0.00	8.32	16.70	
7060	4.47	2.16	0.00	0.05	0.00	0.00	5.53	12.21	5.58	2.21	0.00	0.05	0.00	0.00	7.78	15.62	
7070	10.11	6.18	8.99	2.88	0.00	0.00	20.30	48.46	12.64	6.29	11.84	3.79	0.00	0.00	27.69	62.25	
7075	1.15	0.56	0.00	0.05	0.00	0.00	1.42	3.18	1.44	0.57	0.00	0.05	0.00	0.00	2.00	4.06	
7080	1.29	0.62	0.00	0.05	0.00	0.00	1.60	3.56	1.61	0.64	0.00	0.05	0.00	0.00	2.25	4.55	
7085	1.32	0.64	0.00	0.05	0.00	0.00	1.63	3.64	1.65	0.65	0.00	0.05	0.00	0.00	2.30	4.65	
7090	10.64	6.82	11.41	2.85	0.00	0.00	16.03	47.75	12.76	6.91	15.02	3.76	0.00	0.00	21.38	59.83	
7095	1.64	0.79	0.00	0.05	0.00	0.00	2.03	4.51	2.04	0.81	0.00	0.05	0.00	0.00	2.85	5.75	
7100	2.14	1.04	0.00	0.05	0.00	0.00	2.65	5.88	2.68	1.06	0.00	0.05	0.00	0.00	3.73	7.52	
7105	1.86	0.90	0.00	0.05	0.00	0.00	2.31	5.12	2.33	0.92	0.00	0.05	0.00	0.00	3.24	6.54	
7110	0.54	0.26	0.00	0.11	0.00	0.00	0.67	1.58	0.67	0.27	0.00	0.11	0.00	0.00	0.94	1.99	
7115	15.04	9.64	16.23	4.06	0.00	0.00	22.67	67.64	18.04	9.77	21.38	5.34	0.00	0.00	30.22	84.75	
7120	2.14	1.03	0.00	0.05	0.00	0.00	2.65	5.87	2.67	1.06	0.00	0.05	0.00	0.00	3.72	7.50	
7125	2.34	1.13	0.00	0.05	0.00	0.00	2.90	6.42	2.93	1.16	0.00	0.05	0.00	0.00	4.08	8.22	
7130	2.13	1.03	0.00	0.05	0.00	0.00	2.64	5.85	2.67	1.06	0.00	0.05	0.00	0.00	3.72	7.50	
7135	0.09	0.04	0.00	0.05	0.00	0.00	0.11	0.29	0.11	0.04	0.00	0.05	0.00	0.00	0.15	0.35	
7140	0.49	0.24	0.00	0.10	0.00	0.00	0.60	1.43	0.61	0.24	0.00	0.10	0.00	0.00	0.85	1.80	
7150	9.80	5.59	8.54	2.39	2.85	0.43	9.55	39.15	12.25	5.70	11.23	3.15	5.97	0.89	12.93	52.12	
7155	14.56	8.58	12.60	3.53	6.26	0.94	14.33	60.80	18.21	8.76	16.58	4.64	13.12	1.97	19.41	82.69	
7165	15.80	9.34	11.14	3.12	7.06	1.06	15.57	63.09	19.75	9.54	14.66	4.10	14.80	2.22	21.08	86.15	
7170	25.55	15.17	19.23	5.39	8.47	1.27	25.21	100.29	31.94	15.49	25.31	7.09	17.76	2.66	34.14	134.39	
7180	0.97	0.54	1.75	0.49	0.20	0.03	0.94	4.92	1.21	0.55	2.30	0.64	0.41	0.06	1.27	6.44	
7185	1.09	0.61	2.03	0.57	0.18	0.03	1.06	5.57	1.37	0.62	2.67	0.75	0.37	0.06	1.43	7.27	
7190	1.48	0.82	2.52	0.71	0.22	0.03	1.43	7.21	1.85	0.84	3.32	0.93	0.45	0.07	1.93	9.39	
7200	0.20	0.12	0.80	0.26	0.03	0.00	0.34	1.75	0.25	0.12	1.04	0.33	0.04	0.01	0.48	2.27	
7205	0.94	0.54	1.51	0.48	0.05	0.01	1.56	5.09	1.17	0.55	1.97	0.63	0.08	0.01	2.17	6.58	
7210	1.08	0.62	2.49	0.80	0.04	0.01	1.80	6.84	1.35	0.63	3.25	1.04	0.06	0.01	2.50	8.84	
7215	2.34	1.36	2.60	0.73	0.18	0.03	3.92	11.16	2.93	1.39	3.42	0.96	0.25	0.04	5.45	14.44	
7220	4.92	2.91	4.27	1.20	0.58	0.09	8.29	22.26	6.15	2.96	5.62	1.57	0.82	0.12	11.52	28.76	
7230	8.46	4.77	4.07	1.14	0.00	0.00	14.05	32.49	10.57	4.87	5.35	1.50	0.00	0.00	19.51	41.80	
7235	12.26	6.92	7.12	1.99	0.00	0.00	20.36	48.65	15.32	7.06	9.36	2.62	0.00	0.00	28.28	62.64	
7245	9.57	5.40	3.42	0.96	0.00	0.00	15.90	35.25	11.97	5.51	4.49	1.26	0.00	0.00	22.09	45.32	
7250	16.72	9.44	7.12	1.99	0.00	0.00	27.78	63.05	20.90	9.63	9.36	2.62	0.00	0.00	38.58	81.09	
7265	0.63	0.29	3.18	1.02	0.11	0.02	0.72	5.97	0.84	0.30	4.24	1.36	0.14	0.02	1.10	8.00	
7270	0.78	0.35	3.18	1.02	0.13	0.02	0.89	6.37	1.04	0.36	4.24	1.36	0.18	0.03	1.36	8.57	
7275	0.65	0.30	3.18	1.02	0.19	0.03	0.75	6.12	0.87	0.32	4.24	1.36	0.24	0.04	1.15	8.22	
7280	0.79	0.37	3.18	1.02	0.23	0.04	0.91	6.54	1.05	0.38	4.24	1.36	0.31	0.05	1.39	8.70	
7285	0.72	0.35	3.18	1.02	0.32	0.05	0.84	6.48	0.96	0.36	4.24	1.36	0.40	0.06	1.28	8.66	
7290	1.29	0.62	7.28	2.33	0.40	0.06	1.29	13.27	1.73	0.64	9.36	2.99	0.51	0.08	2.01	17.32	
7295	1.80	0.84	4.15	1.16	0.40	0.06	1.78	10.19	2.39	0.87	5.39	1.51	0.51	0.08	2.77	13.52	
7300	1.50	0.71	8.36	2.68	0.40	0.06	1.49	15.20	2.00	0.73	10.75	3.44	0.51	0.08	2.33	19.84	
7305	2.04	0.95	4.15	1.16	0.40	0.06	2.02	10.78	2.72	0.98	5.39	1.51	0.51	0.08	3.15	14.34	
7310	1.68	0.80	8.36	2.68	0.49	0.07	1.67	15.75	2.24	0.82	10.75	3.44	0.62	0.09	2.60	20.56	

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	2.06	1.01	4.15	1.16	0.84	0.13	2.07	11.42	2.74	1.04	5.39	1.51	1.07	0.16	3.22	15.13
7320	2.54	1.22	15.65	5.01	0.85	0.13	2.54	27.94	3.38	1.26	20.17	6.45	1.10	0.16	3.95	36.47
7325	3.50	1.66	6.72	1.88	1.02	0.15	3.48	18.41	4.66	1.71	8.74	2.45	1.31	0.20	5.42	24.49
7330	3.62	1.73	6.72	1.88	1.14	0.17	3.62	18.88	4.83	1.79	8.74	2.45	1.46	0.22	5.63	25.12
7335	3.41	1.64	6.72	1.88	1.14	0.17	3.41	18.37	4.54	1.69	8.74	2.45	1.46	0.22	5.31	24.41
7340	4.02	1.91	6.72	1.88	1.14	0.17	4.01	19.85	5.36	1.97	8.74	2.45	1.46	0.22	6.23	26.43
7345	5.16	2.50	9.18	2.57	1.99	0.30	5.18	26.88	6.88	2.59	11.93	3.34	2.58	0.39	8.05	35.76
7350	5.47	2.65	9.18	2.57	2.09	0.31	5.49	27.76	7.30	2.75	11.93	3.34	2.69	0.40	8.54	36.95
7355	5.17	2.52	9.18	2.57	2.09	0.31	5.19	27.03	6.89	2.61	11.93	3.34	2.69	0.40	8.08	35.94
7360	5.09	2.47	10.98	3.08	1.91	0.29	5.11	28.93	6.79	2.55	14.28	4.00	2.46	0.37	7.95	38.40
7370	0.67	0.31	3.34	1.07	0.15	0.02	0.77	6.33	0.89	0.32	4.45	1.43	0.18	0.03	1.17	8.47
7375	0.83	0.38	3.34	1.07	0.15	0.02	0.95	6.74	1.10	0.39	4.45	1.43	0.18	0.03	1.45	9.03
7380	0.93	0.42	3.34	1.07	0.15	0.02	1.07	7.00	1.25	0.44	4.45	1.43	0.20	0.03	1.63	9.43
7385	0.78	0.36	3.34	1.07	0.16	0.02	0.90	6.63	1.05	0.37	4.45	1.43	0.19	0.03	1.38	8.90
7390	0.90	0.41	3.34	1.07	0.18	0.03	1.03	6.96	1.20	0.42	4.45	1.43	0.24	0.04	1.57	9.35
7395	0.73	0.34	3.24	1.04	0.18	0.03	0.85	6.41	0.98	0.35	4.32	1.38	0.22	0.03	1.29	8.57
7400	1.11	0.52	7.61	2.43	0.23	0.04	1.11	13.11	1.49	0.54	9.78	3.13	0.36	0.05	1.72	17.07
7405	1.23	0.59	7.61	2.43	0.40	0.06	1.23	13.55	1.64	0.61	9.78	3.13	0.51	0.08	1.91	17.66
7410	1.72	0.80	4.32	1.18	0.40	0.06	1.70	10.08	2.29	0.83	5.49	1.54	0.51	0.08	2.65	13.39
7415	1.33	0.65	8.46	2.71	0.49	0.07	1.33	15.04	1.77	0.67	10.87	3.48	0.62	0.09	2.08	19.58
7420	2.31	1.09	4.74	1.33	0.63	0.09	2.30	12.49	3.08	1.13	6.16	1.72	0.80	0.12	3.58	16.59
7425	2.43	1.20	13.69	4.38	1.10	0.17	2.45	25.42	3.24	1.24	17.64	5.64	1.42	0.21	3.81	33.20
7430	2.87	1.39	7.87	2.20	1.10	0.17	2.88	18.48	3.83	1.44	10.23	2.87	1.42	0.21	4.48	24.48
7435	3.18	1.55	9.02	2.53	1.21	0.18	3.20	20.87	4.24	1.60	11.73	3.28	1.54	0.23	4.97	27.59
7440	3.42	1.63	8.06	2.26	1.10	0.17	3.41	20.05	4.56	1.69	10.48	2.94	1.42	0.21	5.31	26.61
7445	3.72	1.78	5.89	1.65	1.20	0.18	3.72	18.14	4.95	1.84	7.65	2.14	1.51	0.23	5.78	24.10
7450	4.75	2.22	12.86	3.60	1.10	0.17	4.71	29.41	6.34	2.29	16.72	4.68	1.42	0.21	7.33	38.99
7455	5.56	2.59	11.79	3.30	1.23	0.18	5.51	30.16	7.41	2.68	15.33	4.29	1.58	0.24	8.57	40.10
7460	5.02	2.33	11.79	3.30	1.10	0.17	4.97	28.68	6.69	2.41	15.33	4.29	1.42	0.21	7.73	38.08
7470	0.71	0.32	1.96	0.63	0.15	0.02	0.81	4.60	0.94	0.33	2.62	0.84	0.20	0.03	1.24	6.20
7475	1.05	0.50	6.95	2.22	0.29	0.04	1.05	12.10	1.40	0.51	8.93	2.86	0.36	0.05	1.63	15.74
7480	1.10	0.52	6.95	2.22	0.29	0.04	1.09	12.21	1.47	0.54	8.93	2.86	0.36	0.05	1.70	15.91
7485	1.54	0.71	4.22	1.18	0.29	0.04	1.52	9.50	2.05	0.73	5.49	1.54	0.36	0.05	2.37	12.59
7490	1.17	0.55	8.93	2.86	0.29	0.04	1.16	15.00	1.56	0.57	11.48	3.67	0.36	0.05	1.81	19.50
7495	1.73	0.81	4.61	1.29	0.40	0.06	1.71	10.61	2.30	0.83	5.99	1.68	0.51	0.08	2.66	14.05
7500	1.35	0.64	8.98	2.87	0.40	0.06	1.35	15.65	1.80	0.67	11.54	3.69	0.51	0.08	2.10	20.39
7505	2.27	1.05	5.38	1.51	0.40	0.06	2.24	12.91	3.03	1.08	6.99	1.96	0.51	0.08	3.49	17.14
7510	3.59	1.71	8.06	2.26	1.10	0.17	3.58	20.47	4.78	1.77	10.48	2.94	1.42	0.21	5.57	27.17
7515	4.32	2.03	8.83	2.47	1.10	0.17	4.30	23.22	5.77	2.10	11.48	3.21	1.42	0.21	6.68	30.87
7520	4.57	2.14	11.14	3.12	1.10	0.17	4.54	26.78	6.10	2.21	14.48	4.05	1.42	0.21	7.06	35.53
7525	4.43	2.07	8.64	2.42	1.10	0.17	4.40	23.23	5.91	2.15	11.23	3.14	1.42	0.21	6.84	30.90
7530	4.77	2.22	11.14	3.12	1.10	0.17	4.73	27.25	6.36	2.30	14.48	4.05	1.42	0.21	7.36	36.18
7540	5.87	2.71	11.14	3.12	1.17	0.18	5.81	30.00	7.83	2.81	14.48	4.05	1.51	0.23	9.04	39.95
7545	5.99	2.76	11.14	3.12	1.17	0.18	5.92	30.26	7.98	2.86	14.48	4.05	1.51	0.23	9.21	40.32
7550	6.62	3.04	11.14	3.12	1.17	0.18	6.54	31.81	8.83	3.14	14.48	4.05	1.51	0.23	10.17	42.41
7560	5.57	2.61	9.60	2.69	1.35	0.20	5.53	27.55	7.42	2.70	12.48	3.49	1.73	0.26	8.60	36.68
7565	6.24	2.87	13.44	3.76	1.17	0.18	6.16	33.82	8.32	2.97	17.47	4.89	1.51	0.23	9.59	44.98
7570	6.75	3.10	13.44	3.76	1.17	0.18	6.66	35.06	9.00	3.20	17.47	4.89	1.51	0.23	10.36	46.56
7575	7.09	3.24	13.44	3.76	1.17	0.18	6.99	35.87	9.45	3.35	17.47	4.89	1.51	0.23	10.87	47.77
7580	9.60	4.34	13.44	3.76	1.17	0.18	9.43	41.92	12.80	4.49	17.47	4.89	1.51	0.23	14.67	56.06
7590	2.26	0.88	0.00	0.09	0.00	0.00	2.32	5.55								
7595	2.72	1.06	0.00	0.09	0.00	0.00	2.79	6.66								
7600	4.24	1.65	0.00	0.09	0.00	0.00	4.35	10.33								
7605	5.26	2.04	0.00	0.09	0.00	0.00	5.40	12.79								
7610	6.05	2.35	0.00	0.09	0.00	0.00	6.21	14.70								

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	0.58	0.23	0.00	0.08	0.00	0.00	0.60	1.49	0.78	0.23	0.00	0.08	0.00	0.00	0.91	2.00
7625	0.92	0.36	0.00	0.08	0.00	0.00	0.95	2.31	1.23	0.37	0.00	0.08	0.00	0.00	1.45	3.13
7630	0.93	0.36	0.00	0.08	0.00	0.00	0.96	2.33	1.25	0.38	0.00	0.08	0.00	0.00	1.46	3.17
7635	0.95	0.37	0.00	0.08	0.00	0.00	0.97	2.37	1.27	0.38	0.00	0.08	0.00	0.00	1.49	3.22
7645	0.19	0.07	0.00	0.00	0.00	0.00	0.20	0.46								
7650	0.20	0.08	0.00	0.00	0.00	0.00	0.20	0.48								
7655	0.22	0.08	0.00	0.00	0.00	0.00	0.22	0.52								
7660	0.26	0.10	0.00	0.00	0.00	0.00	0.27	0.63								
7665	0.28	0.11	0.00	0.00	0.00	0.00	0.29	0.68								
7670	0.26	0.10	0.00	0.00	0.00	0.00	0.27	0.63								
7675	0.07	0.03	0.00	0.00	0.00	0.00	0.08	0.18								
7685	0.19	0.08	0.00	0.08	0.00	0.00	0.20	0.55								
7690	0.25	0.10	0.00	0.08	0.00	0.00	0.26	0.69								
7695	0.68	0.27	0.00	0.08	0.00	0.00	0.70	1.73								
7700	0.76	0.29	0.00	0.08	0.00	0.00	0.78	1.91								
7710	2.44	0.95	0.00	0.12	0.00	0.00	2.51	6.02								
7715	2.48	0.96	0.00	0.12	0.00	0.00	2.55	6.11								
7720	2.51	0.98	0.00	0.12	0.00	0.00	2.58	6.19								
7725	2.55	0.99	0.00	0.12	0.00	0.00	2.62	6.28								
7735	1.10	0.43	0.00	0.00	0.00	0.00	1.13	2.66								
7740	1.16	0.45	0.00	0.00	0.00	0.00	1.19	2.80								
7745	1.24	0.48	0.00	0.00	0.00	0.00	1.27	2.99								
7755	1.99	1.04	0.00	0.08	0.54	0.08	1.79	5.52	2.49	1.07	0.00	0.08	0.65	0.10	2.62	7.01
7760	2.31	1.20	0.00	0.08	0.58	0.09	2.08	6.34	2.88	1.23	0.00	0.08	0.70	0.11	3.03	8.03
7765	2.31	1.20	0.00	0.08	0.58	0.09	2.08	6.34	2.89	1.23	0.00	0.08	0.70	0.11	3.03	8.04
7770	2.92	1.51	0.00	0.08	0.67	0.10	2.62	7.90	3.65	1.54	0.00	0.08	0.81	0.12	3.83	10.03
7775	2.89	1.57	0.00	0.08	1.11	0.17	2.62	8.44	3.61	1.61	0.00	0.08	1.33	0.20	3.83	10.66
7780	6.19	3.27	0.00	0.08	1.85	0.28	5.59	17.26	7.74	3.35	0.00	0.08	2.23	0.33	8.15	21.88
7785	6.51	3.64	0.00	0.08	3.08	0.46	5.96	19.73	8.13	3.73	0.00	0.08	3.71	0.56	8.69	24.90
7795	2.41	1.24	0.00	0.08	0.54	0.08	2.16	6.51	3.01	1.27	0.00	0.08	0.65	0.10	3.15	8.26
7805	1.11	0.85	0.00	0.08	0.44	0.07	1.10	3.65								
7810	1.26	0.97	0.00	0.08	0.49	0.07	1.25	4.12								
7815	1.55	1.17	0.00	0.08	0.54	0.08	1.52	4.94								
7820	1.56	1.21	0.00	0.12	0.66	0.10	1.55	5.20								
7825	1.63	1.28	0.00	0.12	0.74	0.11	1.63	5.51								
7830	1.79	1.40	0.00	0.12	0.82	0.12	1.78	6.03								
7835	1.73	1.55	0.00	0.12	1.54	0.23	1.84	7.01								
7840	2.45	2.02	0.00	0.12	1.54	0.23	2.50	8.86								
7845	2.52	2.07	0.00	0.12	1.54	0.23	2.57	9.05								
7850	3.20	2.41	0.00	0.16	1.09	0.16	3.14	10.16								
7855	3.27	2.66	0.00	0.16	1.88	0.28	3.32	11.57								
7860	3.56	2.90	0.00	0.16	2.06	0.31	3.61	12.60								
7865	4.15	3.29	0.00	0.16	2.02	0.30	4.17	14.09								
7870	0.83	0.69	0.00	0.08	0.54	0.08	0.85	3.07								
7880	0.82	0.68	0.00	0.08	0.54	0.08	0.84	3.04								
7890	1.01	0.81	0.00	0.10	0.54	0.08	1.02	3.56								
7895	1.02	0.82	0.00	0.10	0.54	0.08	1.03	3.59								
7905	0.52	0.43	0.00	0.09	0.34	0.05	0.54	1.97								
7910	0.54	0.45	0.00	0.09	0.34	0.05	0.55	2.02								
7915	0.58	0.50	0.00	0.09	0.46	0.07	0.61	2.31								
7925	1.87	1.10	2.56	0.72	0.21	0.03	1.38	7.87								
7930	1.91	1.17	2.56	0.72	0.42	0.06	1.43	8.27								
7935	2.00	1.23	2.56	0.72	0.42	0.06	1.50	8.49								
7945	16.45	10.00	11.56	3.81	6.59	0.99	14.89	64.29	19.74	10.16	14.93	4.93	10.98	1.65	20.85	83.24
7950	22.75	13.93	16.69	5.51	10.04	1.51	20.64	91.07	27.31	14.16	21.56	7.11	16.74	2.51	28.90	118.29

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	30.78	19.44	22.34	7.37	13.42	2.01	28.14	123.50	36.94	19.75	28.86	9.52	22.37	3.36	39.39	160.19
7960	14.26	8.77	11.56	3.81	6.59	0.99	12.95	58.93	17.11	8.91	14.93	4.93	10.98	1.65	18.13	76.64
7965	20.68	13.06	16.69	5.51	12.66	1.90	18.91	89.41	24.62	13.27	21.56	7.11	21.10	3.17	26.47	117.50
7975	11.16	7.16	6.03	1.99	6.33	0.95	10.24	43.86	13.40	7.28	7.79	2.57	10.18	1.53	14.34	57.09
7980	13.21	8.03	6.55	2.16	4.32	0.65	11.96	46.88	15.85	8.16	8.46	2.79	6.94	1.04	16.75	59.99
7985	13.32	8.39	6.55	2.16	6.44	0.97	12.17	50.00	15.98	8.53	8.46	2.79	10.35	1.55	17.04	64.70
7990	22.47	14.02	11.56	3.81	9.88	1.48	20.48	83.70	26.97	14.25	14.93	4.93	15.89	2.38	28.67	108.02
8000	10.16	6.21	5.50	1.81	3.15	0.47	9.21	36.51	12.19	6.31	7.10	2.34	5.25	0.79	12.90	46.88
8005	15.62	9.46	11.04	3.64	5.96	0.89	14.13	60.74	18.74	9.61	14.26	4.71	9.94	1.49	19.79	78.54
8010	20.42	12.62	14.79	4.88	10.04	1.51	18.57	82.83	24.51	12.82	19.11	6.30	16.74	2.51	26.00	107.99
8015	26.62	16.88	16.59	5.47	12.03	1.80	24.35	103.74	31.94	17.15	21.43	7.07	20.06	3.01	34.10	134.76
8020	27.03	17.33	19.16	6.32	13.42	2.01	24.80	110.07	32.44	17.60	24.74	8.17	22.37	3.36	34.72	143.40
8030	21.58	13.03	14.89	4.72	9.13	1.37	19.51	84.43	25.89	13.24	19.24	6.35	15.66	2.35	27.32	110.05
8040	8.53	5.43	5.52	1.82	5.62	0.84	7.82	35.58	10.24	5.52	7.13	2.35	9.37	1.41	10.94	46.96
8045	12.74	7.81	8.24	2.72	5.68	0.85	11.56	49.60	15.28	7.93	10.65	3.51	9.46	1.42	16.18	64.43
8050	15.66	9.89	12.66	4.18	9.56	1.42	14.32	67.70	18.79	10.05	16.35	5.40	15.93	2.39	20.04	88.95
8055	21.17	13.34	16.02	5.29	12.60	1.90	19.34	89.72	25.41	13.55	20.70	6.83	21.10	3.17	27.08	117.84
8060	28.61	18.22	21.57	7.12	13.42	2.01	26.21	117.16	34.34	18.51	27.86	9.19	22.37	3.36	36.69	152.32
8070	16.39	9.96	10.79	3.56	6.59	0.99	14.84	63.12	19.66	10.12	13.93	4.60	10.98	1.65	20.77	81.71
8075	22.55	13.82	14.79	4.88	10.04	1.51	20.46	88.05	27.06	14.04	19.11	6.30	16.74	2.51	28.65	114.41
8080	24.41	15.16	14.79	4.88	12.66	1.90	22.22	96.02	29.30	15.40	19.11	6.30	21.10	3.17	31.11	125.49
8085	27.09	16.75	17.08	5.64	13.44	2.02	24.63	106.65	32.51	17.02	22.06	7.28	22.40	3.36	34.49	139.12
8090	30.94	19.53	21.01	6.93	13.42	2.01	28.28	122.12	37.13	19.84	27.13	8.95	22.37	3.36	39.59	158.37
8100	5.54	5.00	6.10	1.71	2.25	0.34	6.63	27.57	5.65	5.05	8.02	2.25	3.03	0.46	8.62	34.08
8105	9.79	8.96	13.42	3.76	4.53	0.68	11.78	52.92	11.75	9.06	17.65	4.94	6.10	0.91	15.32	65.73
8110	13.26	12.29	18.30	5.12	6.73	1.01	16.04	72.75	15.91	12.43	24.07	6.74	9.07	1.36	20.86	90.44
8115	13.66	12.61	18.30	5.12	6.73	1.01	16.50	73.93	16.40	12.75	24.07	6.74	9.07	1.36	21.45	91.84
8120	15.81	14.71	22.36	6.26	8.28	1.24	19.16	87.82	18.97	14.88	29.42	8.24	11.15	1.67	24.91	109.24
8125	16.19	15.02	22.36	6.26	8.28	1.24	19.60	88.95	19.43	15.19	29.42	8.24	11.15	1.67	25.48	110.58
8135	10.06	9.18	13.42	3.76	4.53	0.68	12.09	53.72	12.07	9.28	17.65	4.94	6.10	0.91	15.71	66.66
8140	13.56	12.53	18.30	5.12	6.73	1.01	16.38	73.63	16.27	12.67	24.07	6.74	9.07	1.36	21.29	91.47
8145	13.80	12.72	18.30	5.12	6.73	1.01	16.66	74.34	16.56	12.86	24.07	6.74	9.07	1.36	21.65	92.31
8150	16.49	15.26	22.36	6.26	8.28	1.24	19.93	89.82	19.79	15.43	29.42	8.24	11.15	1.67	25.91	111.61
8155	16.68	15.41	22.36	6.26	8.28	1.24	20.15	90.38	20.02	15.59	29.42	8.24	11.15	1.67	26.20	112.29
8165	14.05	7.83	13.42	3.76	6.08	0.91	11.86	57.91	16.87	7.97	17.65	4.94	10.19	1.53	16.60	75.75
8170	20.87	11.88	18.30	5.12	10.37	1.56	17.67	85.77	25.04	12.09	24.07	6.74	16.90	2.53	24.74	112.11
8175	31.29	18.34	26.43	7.40	21.54	3.23	26.65	134.88	37.55	18.67	34.77	9.74	36.20	5.43	37.31	179.67
8185	13.45	7.49	11.26	3.15	5.76	0.86	11.34	53.31	16.13	7.63	14.82	4.15	9.57	1.44	15.88	69.62
8190	24.47	13.19	17.20	4.82	5.13	0.77	20.52	86.10	29.37	13.43	22.63	6.34	8.38	1.26	28.73	110.14
8200	14.80	8.23	13.42	3.76	6.26	0.94	12.48	59.89	17.76	8.38	17.65	4.94	10.45	1.57	17.47	78.22
8205	21.23	11.63	18.30	5.12	7.57	1.13	17.86	82.64	25.48	11.84	24.07	6.74	12.67	1.90	25.00	107.70
8215	3.94	1.21	5.45	1.53	0.06	0.01	6.38	18.58								
8220	6.01	1.83	9.59	2.68	0.06	0.01	9.71	29.89								
8230	1.01	0.57	0.00	0.01	0.00	0.00	0.74	2.33								
8235	1.18	0.66	0.00	0.01	0.00	0.00	0.86	2.71								
8240	1.37	0.77	0.00	0.01	0.00	0.00	1.01	3.16								
8250	1.69	0.99	0.71	0.18	0.18	0.03	1.26	5.04								
8255	1.95	1.14	0.71	0.18	0.18	0.03	1.44	5.63								
8260	2.17	1.26	0.71	0.18	0.18	0.03	1.60	6.13								
8270	0.17	0.08	1.20	0.36	0.00	0.00	0.11	1.92								
8275	0.21	0.10	1.50	0.45	0.00	0.00	0.15	2.41								
8285	0.26	0.11	1.53	0.37	0.03	0.01	0.33	2.64								
8290	0.53	0.21	7.11	1.71	0.02	0.00	0.65	10.23								
8295	0.55	0.21	7.11	1.71	0.02	0.00	0.66	10.26								
8300	0.65	0.25	7.55	1.81	0.02	0.00	0.78	11.06								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR
					WEAR	RPR						WEAR	RPR		
8305	0.79	0.31	9.29	2.23	0.04	0.01	0.97	13.64							
8315	0.71	0.27	1.91	0.46	0.02	0.00	0.85	4.22							
8320	0.71	0.27	1.91	0.46	0.02	0.00	0.86	4.23							
8325	0.88	0.34	3.17	0.76	0.04	0.01	1.08	6.28							
8330	0.87	0.34	3.22	0.77	0.04	0.01	1.06	6.31							
8340	0.22	0.11	0.60	0.18	0.00	0.00	0.15	1.26							
8345	0.24	0.11	1.20	0.36	0.00	0.00	0.16	2.07							
8355	0.14	0.07	1.14	0.34	0.00	0.00	0.10	1.79							
8360	0.16	0.08	1.44	0.43	0.00	0.00	0.11	2.22							
8365	0.20	0.10	1.80	0.54	0.00	0.00	0.14	2.78							
8370	0.32	0.16	2.52	0.76	0.00	0.00	0.22	3.98							
8380	0.08	0.04	1.14	0.34	0.00	0.00	0.05	1.65							
8385	0.13	0.06	1.44	0.43	0.00	0.00	0.09	2.15							



APPENDIX A

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14. Green Guide Volume II, Dataquest, Inc., Palo Alto, California, 1981, 1982.
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APPENDIX A

REFERENCES (Cont'd)

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17. Owning and Operating Costs, Fiat-Allis Construction Machinery, Inc., Springfield, Illinois, 1983.
18. "Part 414 - Cost Accounting Standard - Cost of Money as an Element of the Cost of Facilities Capital", Defense Procurement Circular (DPC) #76-2, Government Printing Office, Washington, D.C., August 1976.
19. Producer Prices and Price Indexes, U. S. Department of Labor, Bureau of Labor Statistics, Government Printing Office, Washington, DC. 1971 through 1982.
20. Production and Cost Estimating of Material Movement with Earthmoving Equipment, General Motors Corp., Terex Division, Hudson, Ohio, 1975.

APPENDIX B

AREA FACTORS

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

State Sales Tax Rate:	4.0 %
Working Hours Per Year:	1,650 Hrs/Yr
Labor Adjustment Factor (LAF):	1.020
Electricity Cost Per Kilowatt-Hour:	\$ 0.100 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.350 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 1.070 /GAL.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.280 /Gal.
Freight Rates:	0 thru 24,000 lbs. \$22.950 /Cwt. over 24,000 thru 30,000 lbs. \$21.010 /Cwt. over 30,000 thru 44,000 lbs. \$18.680 /Cwt. over 44,000 thru 60,000 lbs. \$16.700 /Cwt. over 60,000 thru 70,000 lbs. \$16.330 /Cwt. over 70,000 thru 80,000 lbs. \$14.610 /Cwt. over 80,000 thru 9999,900 lbs. \$14.240 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

EQUIPMENT TYPE	AVERAGE	SEVERE
Cranes, Crawler Truck	Lift less than rated capacity, intermittent duty.	Continuous lift near rated capacity, excessive swing, abrasive materials, sloped surfaces.
Depreciation Period	13,000 - 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.

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

EQUIPMENT TYPE	AVERAGE	SEVERE
Tractors, Crawler Type	Production dozing in clays, sands, gravels and talus rock. Pushloading 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.
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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.
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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.
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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.
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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.

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. 570-01)																		
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 CUNITE 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	80
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
	CRANE, 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	18	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	18	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	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
390	GRADERS	A	12	30	60 .000	.061	.035		0 .000	.000	.000		0	16	29	89	71	0	60
390		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 WITH BACKHOE, CRAWLER TYPE	A	10	25	70 .000	.071	.041		0 .000	.000	.000		0	32	38	0	0	0	120
460	LOADER, WHEEL TYPE	S	8	25	91 .000	.092	.054		0 .000	.000	.000		0	32	38	0	0	0	130
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		
					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	0	75						
485	PUMP, GROUT (SEE KEY NO. 105)	S	10	30	45 .000 .000 .027	0 .000 .000 .000	0 .0	.32	0	0	0	85						
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	0	80						
510		S	6	20	0 .000 .000 .000	0 .000 .000 .000	0 .0	.0	0	0	0	90						
525	ROLLERS, EXCEPT VIB. ROLLERS	A	10	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	.0	34	59	33	65	75					
545		S	8	25	86 .000 .000 .051	86 .000 .000 .051	0 .0	.0	34	39	19	43	80					
550	OVER 200 HP	A	10	25	66 .000 .000 .039	66 .000 .000 .039	0 .0	.0	24	59	33	65	65					
550		S	8	25	86 .000 .000 .051	86 .000 .000 .051	0 .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	0	65	0	72	70					
555		S	10	20	0 .000 .000 .000	0 .000 .000 .000	0 .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	70						
601		S	20	20	65 .650 .000 .000	0 .000 .000 .000	25	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			RPP
					HF	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	110
615		S	8	30	91	.000	.000	.054	0	.000	.000	.000	0	0	32	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	90
620		S	10	25	91	.000	.000	.054	0	.000	.000	.000	0	0	25	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	90
625		S	12	20	91	.000	.000	.054	0	.000	.000	.000	0	0	22	0	0	0	100
630	TRACTOR, BLADES, PUSH BLOCKS,	A	10	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
630	PUSH PLATES & CLEARING BLADES	S	8	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	90
645	TRACTOR, WHEEL TYPE	A	10	25	65	.000	.066	.038	0	.000	.000	.000	0	24	28	73	44	0	60
645		S	8	25	85	.000	.086	.050	0	.000	.000	.000	0	24	28	38	21	0	65
650	TRENCHER	A	10	25	65	.000	.066	.038	0	.000	.000	.000	0	32	28	91	68	0	90
650		S	8	25	85	.000	.086	.050	0	.000	.000	.000	0	32	28	77	48	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	65	60
655		S	8	20	0	.000	.000	.000	0	.000	.000	.000	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	65	50
TRUCK ACCESSORIES FOR CHASSIS MOUNTING																			
670	DUMP BODIES	A	8	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	70
670		S	6	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
675	ALL OTHER ACCESSORIES	A	8	20	65	.000	.066	.000	0	.000	.000	.000	0	32	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	26	41	29	0	70
690		S	6	25	20	.000	.020	.012	0	.000	.000	.000	0	32	28	36	22	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	60
695		S	6	25	44	.000	.045	.026	0	.000	.000	.000	0	32	28	42	30	0	70
705	OVER 30,000 GVW	A	8	25	51	.000	.052	.030	0	.000	.000	.000	0	32	28	51	38	57	60
705		S	6	25	66	.000	.067	.039	0	.000	.000	.000	0	32	28	43	29	48	70
720	TRUCK, OFF-HIGHWAY	A	12	20	40	.000	.000	.024	0	.000	.000	.000	0	0	33	59	36	65	60
720		S	10	20	52	.000	.000	.031	0	.000	.000	.000	0	0	33	39	21	43	70
765	WAGON, BOTTOM & REAR DUMP	A	12	15	65	.000	.066	.038	0	.000	.000	.000	0	24	28	59	39	65	60
765		S	10	15	85	.000	.086	.050	0	.000	.000	.000	0	24	28	39	22	43	70
780	WAGON, WATER	A	12	35	65	.000	.066	.038	0	.000	.000	.000	0	24	28	73	55	81	60
780		S	10	35	85	.000	.086	.050	0	.000	.000	.000	0	24	28	56	40	62	65

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EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOC			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	.600	.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 PURCHASED			1975	1974	1973	1972	1971
						1976	1977	1978					
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	1310
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	1261	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.

No.	Condition	Factor	
		Average	Severe
A	Maintenance	1.00	1.00
B	Speeds	0.80	0.85
C	Curves	1.00	0.90
D	Surface Condition	0.90	0.70
E	Loads	0.90	0.80
		<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.