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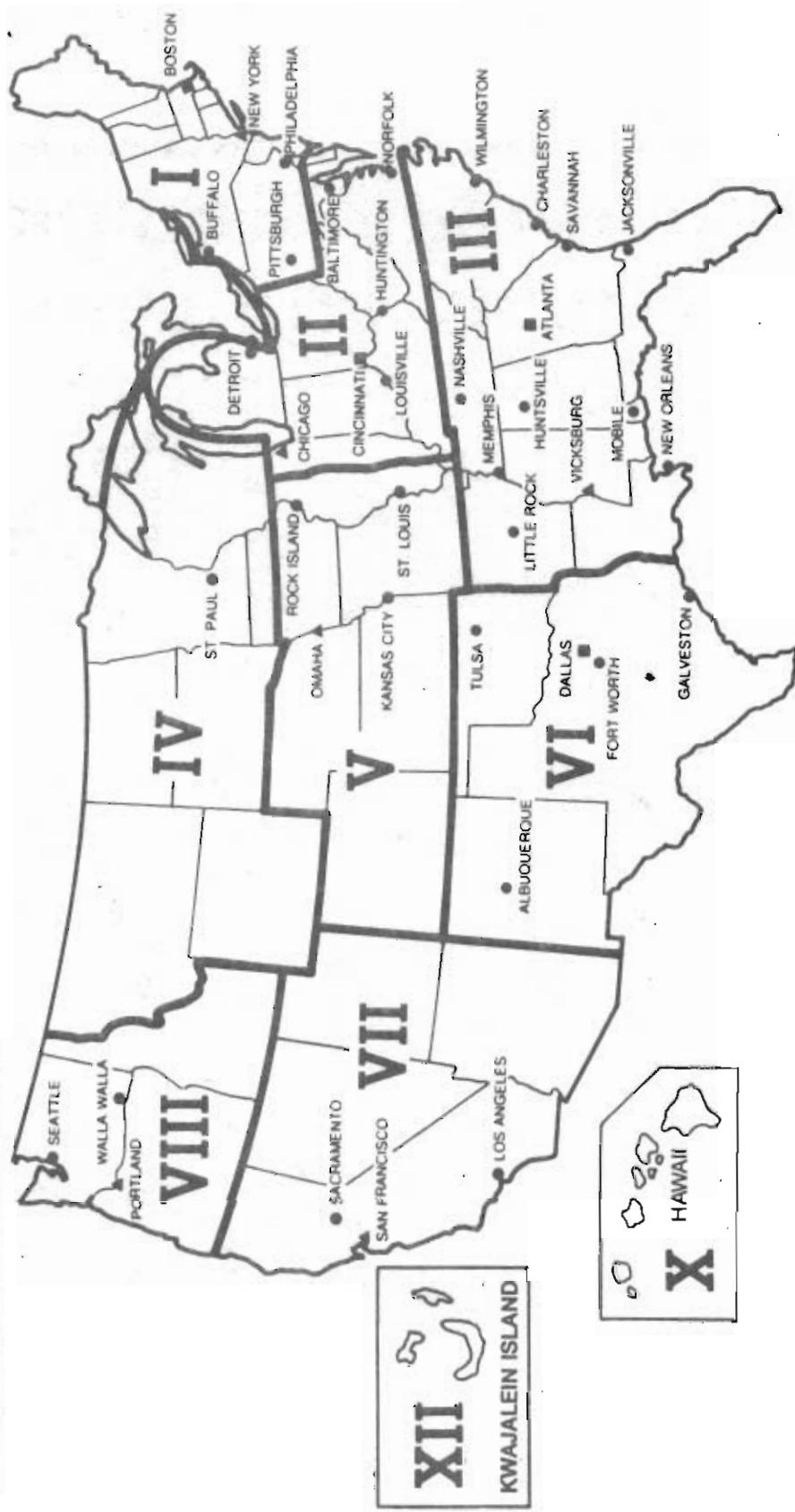
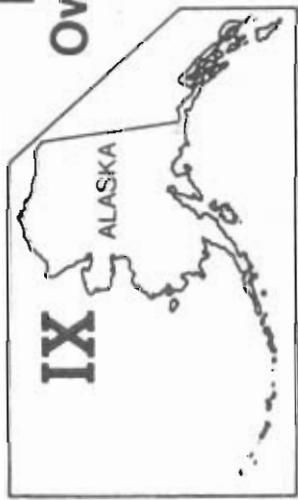
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# Construction Equipment Ownership and Operating Expense Schedule

## Region IX



## Regions for the Construction Equipment Ownership and Operating Expense Schedule



DAEN-ECE-S

DEPARTMENT OF THE ARMY  
US Army Corps of Engineers  
Washington, DC 20314-1000

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1 June 1985

Engineering and Design  
CONSTRUCTION EQUIPMENT OWNERSHIP  
AND OPERATING EXPENSE SCHEDULE

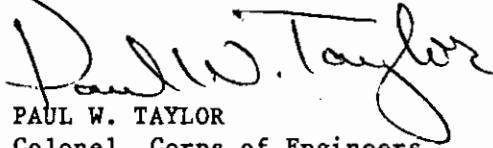
1. Purpose. This pamphlet establishes predetermined equipment ownership and operating expense rates for use in preparation of estimates and in pricing negotiated procurements requiring independent Government estimates.

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

Alaska

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 1983. 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:

  
PAUL W. TAYLOR

Colonel, Corps of Engineers  
Chief of Staff

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## CHAPTER 1

### INTRODUCTION

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

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

Alaska

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 1983. 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 as defined in FAR 15.8 is not required.

b. Cost or pricing data is required and actual cost data to support either ownership or operating costs for 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 Federal Acquisition Regulations (FAR).

## 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 1983.

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

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

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

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

(a) The cost of facilities capital (CFC) as defined in FAR 31.205-10 and CAS 414 is included in the use rates. This cost was computed by multiplying the cost of money rate (12.125%) 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 9.70% to avoid duplication when applying markups for overhead and profit.

$$CFC/hr = \frac{[(N-1)(1+S)+2]}{2N} \frac{(\text{Equipment Cost})}{(\text{Work Hrs per Year})} (9.70\%)$$

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

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

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

d. Operating Cost.

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

(2) Fuel Consumption Cost.

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

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

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. In no event shall the allowance for the hourly "FOG" costs be adjusted in conjunction with any fuel price revisions.

(3) Filters, Oil and Grease Costs (FOG). "FOG" costs are computed as either a percentage of the hourly fuel costs (see APPENDIX D) or, if the equipment has no engine, a reasonable hourly cost is included. Labor, fringe benefits, and equipment costs for fueling, greasing, and servicing are included in the rate. Material costs for filters, oil, and grease include an allowance for all taxes. The "FOG" allowance for cranes,

draglines, backhoes, and shovels (except Key Numbers 150, 185, 200, 210, and 570) has been reduced to allow for servicing normally performed by the oiler assigned to the piece of equipment.

(4) Maintenance and Repair Costs.

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

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

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

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

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

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

(5) Hourly Tire Cost.

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

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

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

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

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

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

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

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

CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET <small>(EP 1110-1-8)</small>	
<b>1. REQUIRED DATA</b>	(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>3260</u>	
(1) Equipment Description <u>P&amp;H Truck Crane</u>	<u>50 ton</u>
(2) Model and Series <u>650A-TC</u>	<u>w/150' Boom</u>
(3) Year Purchased <u>1983</u>	<u>1983</u>
(5) Equipment Horsepower <u>135</u>	<u>Carrier Horsepower</u> <u>236</u>
(7) Fuel Type <u>Diesel / Diesel</u>	<u>Shipping Weight</u> <u>122,200 lbs</u>
(9) Tire Size: Front- <u>14X20 18PR</u> Drive- <u>14X20 18PR</u> Trailing- <u>  </u>	
b. Key Number from APPENDIX D <u>225</u>	
(1) Condition <u>Average</u>	
(2) Salvage Value % <u>15</u>	<u>Life</u> <u>18,000 Hrs.</u>
(4) Equipment Fuel Factor <u>.038</u>	<u>Carrier Fuel Factor</u> <u>.006</u>
(6) FOG Factor: Gas <u>N/A</u>	<u>Diesel</u> <u>.26</u> <u>Electric</u> <u>N/A</u>
(7) Tire Wear Factor: Front <u>.97</u>	<u>Drive</u> <u>.78</u> <u>Trailing</u> <u>N/A</u>
(8) Repairs Cost Factor <u>.60</u>	
<b>2. EQUIPMENT COST</b>	
a. List Price Year of Manufacture (including extras)	= \$ <u>444,283</u>
(1) Discount: (List Price) x *7.5% *(17.5% for Highway Trucks)	= (\$ <u>444,283</u> ) x *.075      = (-) \$ <u>33,321</u>
(2) Freight: (Shipping Weight) x (Prep. and Del. Rate) From 1-a-(8)      From APPENDIX B	= ( <u>1222 cwt</u> ) x (\$ <u>13.31</u> )      = (+) \$ <u>16,265</u>
b. Subtotal: Summation of Part a. (Use actual cost when available)	= \$ <u>427,227</u>
(1) State Sales Tax: (Subtotal) x (Tax Rate) From 2-b	= (\$ <u>        </u> ) x ( <u>0.0%</u> )      = (+) \$ <u>      0</u>
c. Equipment Cost: Summation of Part b. (Use actual cost when available)	= \$ <u>427,227</u>

Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

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

$$= (\underline{18,000} \text{ Hrs}) + (\underline{1,150} \text{ Hrs/Yr}) = \underline{15.65} \text{ Yrs.}$$

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

$$= (\underline{3437}) + (\underline{3282}) = \underline{1.047} \text{ (EAF)}$$

5. SALVAGE VALUE FACTOR (S)

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

$$= (\underline{.15}) \times (\underline{1.047}) = \underline{.157} \text{ (S)}$$

6. OWNERSHIP COSTS

a. Depreciation:

$$\begin{aligned} & \text{Equipment} \\ & [(Cost From) \times [1.0 - (S From)] - (\text{Tire Cost})] + \frac{\text{Life}}{\text{Yr. of Mfg.}} \\ & \frac{2-c}{5} \quad \frac{3}{1-b-(3)} \\ & = (\underline{\$427,227}) \times [1.0 - (\underline{.157})] - (\underline{\$9036}) + (\underline{18,000 \text{ Hr}}) = \underline{\$19.51/\text{Hr.}} \end{aligned}$$

b. Cost of Facilities Capital (CFC):

$$\begin{aligned} & \frac{\text{Life}}{3} \times \frac{[(\text{From}) - 1.0] \times [(\text{S From}) + 1.0] + 2.0} {5} + \frac{[(\text{From}) \times 2.0]}{3} \\ & = [(\underline{15.65 \text{ Yrs}}) - 1.0] \times [(\underline{.157}) + 1.0] + 2.0 + [(\underline{15.65 \text{ Yrs}}) \times 2.0] = \underline{.6054} \end{aligned}$$

$$\begin{aligned} & \text{Equipment} \quad \text{Average} \quad \text{CPC Factor} \quad \text{Hrs Use/} \\ & (2) \frac{(\text{Cost From}) \times (\text{Value Factor}) \times (\text{From Para.})}{2-c} + \frac{(\text{Yr From})}{2-2.c.(2)} \quad \text{APP. B} \\ & = (\underline{\$427,227}) \times (\underline{.6054}) \times (\underline{.097}) + (\underline{1,150 \text{ Hrs/Yr}}) = \underline{\$21.82/\text{Hr.}} \end{aligned}$$

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) =  $\underline{\$41.33/\text{Hr.}}$

Figure 2-1. (Continued)

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

7. OPERATING COSTS

a. Fuel Costs:

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

$$= (.038) \times (135 \text{ HP}) \times (\$1.08/\text{Gal}) = \$5.54/\text{Hr.}$$

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

$$= (.006) \times (236 \text{ HP}) \times (\$1.21/\text{Gal}) = \$1.71/\text{Hr.}$$

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) = \\$7.25/Hr.

b. POG Costs:

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

$$= (.26) \times (\$5.54/\text{Hr}) = \$1.44/\text{Hrs.}$$

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

$$= (.26) \times (\$1.71/\text{Hr}) = \$0.44/\text{Hr.}$$

(3) Total POG Costs: (Sum 7-b-(1), 7-b-(2)) = \\$1.88/Hr.

c. Repairs Cost:

(1) Repair Factor:

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

$$= (.60) \times (1.047) \times (1.25) = .785$$

(2) Hourly Repairs:

Equipment  

$$[(\text{Cost From}) - (\text{Tire Cost})] \times (\text{Repair Factor}) + (\text{From})$$
  
 2-c Yr. of Mfg. From 7-c-(1) 1-b-(3)

$$= [(\$427,227) - (\$9,036)] \times (.785) + (\$18,000/\text{Hr}) = \$18.24/\text{Hr.}$$

Figure 2-1. (Continued)

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

d. Tire Wear Costs (Current Price Levels):

$$(1) \text{Front Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Ftr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad \text{F-Tire} \quad \text{Max Tire} \\ 1-b-(7) \quad \text{Tbl F-1} \\ = 1.5 \times (\underline{\underline{\$3,054}}) + [1.8 \times (\underline{\underline{.97}}) \times (\underline{\underline{5,000 \text{ Hr}}})] = \$ \underline{\underline{152}}/\text{Hr.}$$

$$(2) \text{Drive Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Ptr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad \text{D-Tire} \quad \text{Max Tire} \\ 1-b-(7) \quad \text{Tbl F-1} \\ = 1.5 \times (\underline{\underline{\$6,107}}) + [1.8 \times (\underline{\underline{.78}}) \times (\underline{\underline{5,000 \text{ Hr}}})] = \$ \underline{\underline{130}}/\text{Hr.}$$

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

$$(4) \text{Total Tire Wear Cost: } (\text{Sum 7-d-(1) thru (3)}) = \$ \underline{\underline{182}}/\text{Hr.}$$

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

$$= (\underline{\underline{\$182}}) \times 0.15 = \$ \underline{\underline{27}}/\text{Hr.}$$

f. Total Operating Costs: (Sum 7-a thru 7-e) = \\$ 29.46/Hr.

8. TOTAL HOURLY RATES

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

$$(\text{Ownership Costs Frm 6-c}) + (\text{Operating Costs Frm 7-f}) \\ = (\underline{\underline{\$41.33}}/\text{Hr}) + (\underline{\underline{\$29.46}}/\text{Hr}) = \$ \underline{\underline{70.79}}/\text{Hr.}$$

b. Hourly Rate for Other Work Shifts:

$$(\text{Depreciation}) + [(\text{CPC Frm}) \times 40 + (\text{Work Hrs})] + (\text{Operating Costs}) \\ \text{From 6-a} \quad \text{6-b-(2)} \quad \text{Per Week} \quad \text{Frm 7-f} \\ = (\underline{\underline{\$19.51}}/\text{Hr}) + [(\underline{\underline{\$21.82}}/\text{Hr}) \times 40 + (\underline{\underline{60 \text{ Br/Wk}}})] + (\underline{\underline{\$29.46}}/\text{Hr}) = \$ \underline{\underline{63.52}}/\text{Hr.}$$

c. Hourly Standby Rate:

$$(\text{Depreciation}) \times 0.25 + (\text{CPC Frm}) \\ \text{From 6-a} \quad \text{6-b-(2)} \\ = (\underline{\underline{\$19.51}}/\text{Hr}) \times 0.25 + (\underline{\underline{\$21.82}}/\text{Hr}) = \$ \underline{\underline{26.70}}/\text{Hr.}$$

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 31.205-24 of FAR.

(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.

$$CFC = \frac{[(N-1)(1+S) + 21(9.70\%)]}{2N}$$

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 contracting officer shall determine the number of use-months per year for the contract dredge based on the industry average for the same type and size dredge. Use-months includes time spent on all Government and non-Government work, including foreign and domestic. Attendant plant shall be based on the same number of use-months per year as the contract dredge.

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

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

<u>TYPE OF EQUIPMENT</u>	LIFE (YRS)	SALVAGE VALUE FACTOR	PERCENT		
			ANNUAL DEPRE- CIATION	CFC	TOTAL
<b>Hydraulic dredge, including hydraulic dredges used as</b>					
<b>Boosters:</b>					
10-inch thru 14-inch	20	.05	4.75	5.32	10.07
16-inch thru 20-inch	25	.10	3.60	5.51	9.11
24-inch and over	30	.10	3.00	5.48	8.48
<b>Booster &amp; Barge:</b>					
10-inch thru 14-inch	20	.05	4.75	5.32	10.07
16-inch thru 20-inch	25	.10	3.60	5.51	9.11
24-inch and over	30	.10	3.00	5.48	8.48
<b>Dredge, Hopper</b>	25	.10	3.60	5.51	9.11
<b>Dredge, Hopper, split hull</b>	20	.10	4.50	5.55	10.05
<b>Dredge, clamshell/ dragline</b>	20	.05	4.75	5.32	10.07
<b>Dredge, Dipper/Hyd Excav</b>	25	.05	3.80	5.28	9.08
<b>Bucket Dredge</b>	30	.10	3.00	5.48	8.48
<b>Dump Scows</b>	20	.05	4.75	5.32	10.07
<b>Barges:</b>					
Fuel	20	.05	4.75	5.32	10.07
Water	20	.05	4.75	5.32	10.07
Equipment or Work	20	.05	4.75	5.32	10.07
Derrick	20	.10	4.50	5.55	10.05
Anchor	20	.05	4.75	5.32	10.07
Drill Boat or Barge	20	.10	4.50	5.55	10.05
Mooring Barge	20	.05	4.75	5.32	10.07
<b>Tugs</b>	20	.10	4.50	5.55	10.05
<b>Tenders</b>	20	.10	4.50	5.55	10.05
<b>Launches</b>	12	.05	7.92	5.48	13.40
<b>Shore Pipeline (Average)</b>	3	0	33.33	6.47	39.80
<b>Floating Line:</b>					
Pontoon	15	0	6.67	5.17	11.84
Pipeline/Joints (Avg)	10	0	10.00	5.34	15.34

## 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 3175 is the identifying number of this piece of equipment in the input and output computer listings. The number 5530 is the model number of the equipment (American Model 5530 Truck Crane). The crane is rated at 75 tons and is equipped with a 170-foot boom. The crane has a 115-horsepower engine, the carrier has a 238-horsepower engine and both engines are diesel. The cost column reflects the pre-determined "equipment cost," used to compute the rates.

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

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

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

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

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

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

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

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	SEVERE OWNER-SHIP	AVERAGE FUEL COND.	SEVERE FUEL COND.				
AGGREGATE SPREADER												
*****												
ETNYRE - SELF-PROPELLED												
1010	SPREAD TO 8" DEPTH & 10' WIDE	184 HP G	62,743	26.57			4.65	8.30	10.04	155		
1015	SPREAD TO 8" DEPTH & 13' WIDE	140 HP D	69,802	21.33			5.18	9.25	4.54	160		
AIR COMPRESSORS, PORTABLE												
*****												
(HOSE NOT INCLUDED)												
ROTARY SCREW												
1030	SIZE 100 CFM QUIET 100 PSI	50 HP G	12,248	7.39			0.92	1.59	3.53	20		
1035	SIZE 100 CFM QUIET 100 PSI	33 HP D	14,745	5.02			1.11	1.92	1.35	26		
1040	SIZE 125 CFM QUIET 100 PSI	70 HP G	14,978	9.85			1.12	1.94	4.94	24		
1045	SIZE 125 CFM QUIET 100 PSI	51 HP D	15,943	6.23			1.20	2.07	2.09	26		
1050	SIZE 175 CFM QUIET 100 PSI	70 HP G	16,342	10.15			1.23	2.12	4.94	26		
1055	SIZE 175 CFM QUIET 100 PSI	54 HP D	18,503	6.95			1.39	2.40	2.22	28		
1060	SIZE 185 CFM QUIET 100 PSI	70 HP G	16,875	10.27			1.27	2.19	4.94	27		
1065	SIZE 185 CFM QUIET 100 PSI	69 HP D	19,834	8.03			1.49	2.58	2.83	29		
1070	SIZE 250 CFM QUIET 100 PSI	88 HP D	29,862	11.27			2.25	3.89	3.61	55		
1075	SIZE 375 CFM QUIET 100 PSI	122 HP D	37,300	14.72			2.79	4.80	5.01	79		
1080	SIZE 450 CFM QUIET 100 PSI	152 HP D	47,992	18.66			3.59	6.19	6.24	89		
1085	SIZE 600 CFM QUIET 100 PSI	188 HP D	57,371	22.64			4.30	7.41	7.72	97		
1090	SIZE 750 CFM QUIET 100 PSI	228 HP D	66,936	26.87			5.02	8.66	9.36	128		
1095	SIZE 825 CFM QUIET 100 PSI	260 HP D	75,753	30.50			5.68	9.81	10.67	130		
1100	SIZE 900 CFM QUIET 100 PSI	270 HP D	83,150	32.67			6.24	10.78	11.08	148		
1105	SIZE 1000 CFM QUIET 100 PSI	294 HP D	93,490	36.24			7.02	12.13	12.07	186		
1110	SIZE 1200 CFM QUIET 100 PSI	400 HP D	111,132	45.72			8.34	14.43	16.42	196		
1115	SIZE 1600 CFM QUIET 100 PSI	456 HP D	125,498	51.86			9.42	16.30	18.71	216		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
AIR EQUIPMENT ***** (HOSE NOT INCLUDED)														
CLEMCO - SANDBLASTERS														
1130	SOW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,656	1.31		0.18	0.43	0.00			3				
1135	SOW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	3,003	2.31		0.33	0.77	0.00			5				
1140	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	3,049	2.34		0.33	0.78	0.00			6				
1145	SOWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	3,361	2.65		0.37	0.86	0.00			7				
1150	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,531	3.53		0.50	1.17	0.00			9				
1155	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	13,227	10.04		1.44	3.34	0.00			28				
1160	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	16,533	12.44		1.77	4.09	0.00			45				
1165	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	20,116	15.24		2.17	5.02	0.00			53				
GARDNER DENVER - TOOLS														
1175	SPADER SP27E	32CFM A	983	0.80		0.11	0.25	0.00		1				
1180	SINKER DRILL SS8	98CFM A	2,126	1.71		0.24	0.55	0.00		1				
1185	PAVING BREAKER B37	41CFM A	1,009	0.82		0.11	0.26	0.00		1				
1190	PAVING BREAKER B67C	46CFM A	1,079	0.88		0.12	0.28	0.00		1				
1195	PAVING BREAKER B87C	50CFM A	1,172	0.94		0.13	0.30	0.00		1				
1200	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,885	3.05		0.43	1.01	0.00		1				
MASTER - CONCRETE VIBRATORS														
1210	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	2,098	2.41		0.23	0.54	0.00		1				
1215	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,358	1.60		0.15	0.35	0.00		1				
1220	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,222	1.42		0.13	0.31	0.00		1				
1225	CONCRETE VIBR. MOD A-30010 3"	64CFM A	1,104	1.28		0.13	0.29	0.00		1				
1230	CONCRETE VIBR. MOD A-25010 2.5"	40CFM A	871	1.00		0.09	0.22	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	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.	
					AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	
<b>ASPHALT DISTRIBUTOR - ROSCO</b> ***** <b>(NO CHASSIS)</b>										
1240	MOD RES 1000 GAL. TRUCK MOUNTED 18,000 TO 24,000 GW REQUIRED	45 HP G	30,819	11.71			2.30	4.14	3.18	72
1245	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GW REQUIRED	45 HP G	31,583	11.90			2.36	4.24	3.18	75
1250	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GW REQUIRED	45 HP G	33,955	12.48			2.54	4.56	3.18	87
1255	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GW REQUIRED	45 HP G	38,379	13.55			2.86	5.15	3.18	109
<b>ASPHALT FINISHERS</b> ***** <b>SPW=STANDARD PAVING WIDTH</b>										
<b>BARBER-GREENE</b>										
1265	MOD SB111 8' SPW (PNEUMATIC)	70 HP D	98,658	28.42			7.32	13.08	2.87	165
1270	MOD SB131 10' SPW (PNEUMATIC) W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	95 HP D	155,962	44.18			11.53	20.54	3.90	258
1275	MOD SB140 10' SPW (PNEUMATIC) OPTIONS SAME AS MOD SB131	130 HP D	172,265	50.14			12.76	22.75	5.34	325
1280	MOD SA150 10' SPW (CRAWLER) OPTIONS SAME AS MOD SB131	130 HP D	204,897	58.07			15.28	27.48	5.34	375
<b>BLAW-KNOX</b>										
1290	MOD PF-22 5' SPW (PNEUMATIC)	22 HP D	51,094	14.00			3.78	6.70	0.90	95
1295	MOD PF-35 6' SPW (PNEUMATIC)	56 HP D	79,290	22.84			5.88	10.48	2.30	104
1300	MOD PF-115 8' SPW (PNEUMATIC)	58 HP D	110,873	30.89			8.22	14.67	2.38	180
1305	MOD PF-120H 8' SPW (PNEUMATIC)	87 HP D	138,053	39.29			10.20	18.14	3.57	240
1310	MOD PF-180H 10' SPW (PNEUMATIC)	88 HP D	161,576	45.27			11.94	21.22	3.61	277
1315	MOD PF-220 12' SPW (PNEUMATIC)	157 HP D	212,093	61.64			15.67	27.84	6.44	387
1320	MOD PF-400 8' SPW (CRAWLER)	76 HP D	151,867	41.97			11.33	20.37	3.12	230
1325	MOD PF-500 10' SPW (CRAWLER)	110 HP D	181,358	51.12			13.52	24.32	4.51	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 COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	ASPHALT KETTLES - ROSCO *****										
1335	MOD KB 110 GAL. TRAILER MOUNTED	4,250	2.30		0.34	0.65	0.00			13	
1340	MOD KD 225 GAL. TRAILER MOUNTED	4,961	2.61		0.40	0.76	0.00			16	
	ASPHALT RECYCLER - BOMAG *****										
1350	MOD AR-6 TRAILER MOUNTED	8 HP G	11,323	5.68		0.91	1.73	0.56		21	
	BROOMS - M-B *****										
1360	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER		7,349	1.92		0.55	0.95	0.00		24	
1365	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	21 HP G	9,494	4.06		0.71	1.23	1.48		30	
1370	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		3,208	0.95		0.24	0.42	0.00		10	
1375	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		4,937	1.29		0.37	0.65	0.00		14	
	BRUSH CHIPPERS - FMC *****										
1385	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	13,259	13.07		0.99	1.78	7.38			41	
1390	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	14,513	13.39		1.07	1.92	7.38			45	
	BUCKETS, CLAMSHELL *****										
	ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE										
1400	.75 C.Y.	11,604	2.63	3.34	0.86	1.59	0.00	1.85	0.00	37	
1405	1.0 C.Y.	12,517	2.85	3.60	0.93	1.72	0.00	1.99	0.00	41	
1410	1.5 C.Y.	18,172	4.14	5.24	1.35	2.50	0.00	2.90	0.00	61	
1415	2.0 C.Y.	21,281	4.83	6.14	1.57	2.92	0.00	3.40	0.00	69	
1420	2.5 C.Y.	27,431	6.24	7.91	2.03	3.77	0.00	4.38	0.00	88	
1425	3.0 C.Y.	29,210	6.64	8.41	2.16	4.01	0.00	4.66	0.00	94	
1430	3.5 C.Y.	31,830	7.23	9.16	2.35	4.37	0.00	5.07	0.00	105	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	FUEL	SEVERE OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
<b>BUCKETS, CLAMSHELL (CONT'D)</b> *****																			
ESCO - MODEL GPS GEN PURPOSE & SQUARE NOSE (CONT'D)																			
1435	4.0 C.Y.	35,254	8.01	10.16	2.61	4.84	0.00	5.63	0.00	115									
1440	4.5 C.Y.	38,336	8.71	11.04	2.83	5.26	0.00	6.11	0.00	126									
1445	5.0 C.Y.	41,010	9.32	11.82	3.03	5.63	0.00	6.55	0.00	140									
1450	5.5 C.Y.	45,323	10.30	13.06	3.35	6.22	0.00	7.23	0.00	152									
1455	6.0 C.Y.	47,215	10.73	13.60	3.49	6.48	0.00	7.53	0.00	160									
1460	6.5 C.Y.	48,713	11.07	14.03	3.60	6.69	0.00	7.77	0.00	169									
1465	7.0 C.Y.	51,248	11.64	14.77	3.78	7.03	0.00	8.18	0.00	177									
1470	7.5 C.Y.	53,307	12.12	15.36	3.94	7.32	0.00	8.51	0.00	184									
ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE																			
1480	.75 C.Y.	11,017	2.50	3.17	0.81	1.51	0.00	1.75	0.00	33									
1485	1.0 C.Y.	15,340	3.49	4.42	1.14	2.11	0.00	2.45	0.00	46									
1490	1.5 C.Y.	22,576	5.13	6.50	1.67	3.10	0.00	3.60	0.00	70									
1495	2.0 C.Y.	24,526	5.57	7.06	1.81	3.36	0.00	3.91	0.00	78									
1500	2.5 C.Y.	30,842	7.02	8.88	2.28	4.24	0.00	4.92	0.00	98									
1505	3.0 C.Y.	33,980	7.72	9.79	2.51	4.66	0.00	5.42	0.00	109									
1510	3.5 C.Y.	38,939	8.85	11.23	2.88	5.35	0.00	6.22	0.00	120									
1515	4.0 C.Y.	42,075	9.57	12.12	3.11	5.78	0.00	6.71	0.00	131									
1520	4.5 C.Y.	45,355	10.31	13.06	3.35	6.23	0.00	7.23	0.00	141									
1525	5.0 C.Y.	48,751	11.08	14.04	3.60	6.69	0.00	7.77	0.00	155									
1530	5.5 C.Y.	51,602	11.72	14.87	3.81	7.08	0.00	8.24	0.00	164									
1535	6.0 C.Y.	54,338	12.36	15.65	4.02	7.47	0.00	8.66	0.00	174									
1540	6.5 C.Y.	57,410	13.06	16.54	4.25	7.89	0.00	9.16	0.00	185									
1545	7.0 C.Y.	59,973	13.64	17.28	4.44	8.24	0.00	9.57	0.00	193									
1550	7.5 C.Y.	62,494	14.21	18.00	4.62	8.59	0.00	9.97	0.00	201									

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					
<b>BUCKETS, CLAMSHELL (CONT'D)</b> *****														
<b>ESCO - MODEL XDS</b> <b>EXTRA HEAVY DUTY &amp; SQUARE NOSE</b>														
1560	.75 C.Y.	17,387	3.95	5.02	1.29	2.39	0.00	2.78	0.00	50				
1565	1.0 C.Y.	17,848	4.06	5.14	1.32	2.45	0.00	2.85	0.00	55				
1570	1.5 C.Y.	25,822	5.86	7.44	1.91	3.54	0.00	4.12	0.00	81				
1575	2.0 C.Y.	31,800	7.23	9.16	2.35	4.37	0.00	5.07	0.00	99				
1580	2.5 C.Y.	35,893	8.16	10.33	2.65	4.93	0.00	5.72	0.00	115				
1585	3.0 C.Y.	39,187	8.91	11.29	2.90	5.38	0.00	6.25	0.00	127				
1590	3.5 C.Y.	42,405	9.65	12.21	3.14	5.83	0.00	6.76	0.00	141				
1595	4.0 C.Y.	45,157	10.26	13.00	3.34	6.20	0.00	7.20	0.00	150				
1600	4.5 C.Y.	47,175	10.73	13.59	3.49	6.48	0.00	7.53	0.00	160				
1605	5.0 C.Y.	51,275	11.66	14.77	3.80	7.05	0.00	8.18	0.00	173				
1610	5.5 C.Y.	54,554	12.40	15.72	4.03	7.49	0.00	8.71	0.00	185				
1615	6.0 C.Y.	57,547	13.09	16.58	4.26	7.91	0.00	9.18	0.00	195				
1620	6.5 C.Y.	60,880	13.84	17.55	4.50	8.36	0.00	9.72	0.00	208				
1625	7.0 C.Y.	63,353	14.40	18.25	4.68	8.70	0.00	10.11	0.00	218				
1630	7.5 C.Y.	66,574	15.13	19.18	4.92	9.14	0.00	10.62	0.00	229				
<b>BUCKETS, CONCRETE - GAR-BRO</b> *****														
<b>GENERAL PURPOSE &amp; MANUAL</b>														
1640	433-G 1.0 C.Y.	1,760	0.40		0.14	0.24	0.00			6				
1645	442-G 1.5 C.Y.	2,213	0.50		0.17	0.30	0.00			8				
1650	462-G 2.0 C.Y.	2,879	0.65		0.22	0.39	0.00			11				
1655	493-G 3.0 C.Y.	4,153	0.93		0.31	0.56	0.00			19				
1660	4123-G 4.0 C.Y.	5,187	1.16		0.38	0.69	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	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
<b>BUCKETS, CONCRETE - GAR-BRO (CONT'D)</b>																			
*****																			
LOW SLUMP - AIR OPERATED GATE																			
1670	440-A 1.0 C.Y.	7,150	1.60		0.53	0.96	0.00			19									
1675	450-A 1.5 C.Y.	7,464	1.67		0.56	1.00	0.00			21									
1680	460-A 2.0 C.Y.	7,783	1.75		0.59	1.05	0.00			23									
1685	493-A 3.0 C.Y.	10,519	2.37		0.79	1.42	0.00			42									
1690	4139-A 4.0 C.Y.	11,157	2.50		0.83	1.50	0.00			52									
1695	4200-A 6.0 C.Y. DBL. COMPT.	16,035	3.59		1.20	2.15	0.00			72									
1700	4250-A 8.0 C.Y. DBL. COMPT.	19,029	4.26		1.42	2.55	0.00			80									
LAYDOWN - HEAVY DUTY - AIR GATE																			
1710	425-A 1.0 C.Y.	8,199	1.84		0.61	1.10	0.00			26									
1715	465-A 2.0 C.Y.	9,206	2.06		0.68	1.23	0.00			31									
1720	495-A 3.0 C.Y.	10,775	2.42		0.81	1.45	0.00			40									
1725	4125-A 4.0 C.Y.	12,107	2.71		0.90	1.62	0.00			49									
1730	4155-A 5.0 C.Y.	14,247	3.19		1.06	1.91	0.00			60									
BUCKETS, DRAGLINE																			
*****																			
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED																			
1745	.75 C.Y.	3,957	0.90	1.14	0.29	0.54	0.00	0.63	0.00	15									
1750	1.0 C.Y.	4,700	1.07	1.35	0.35	0.65	0.00	0.75	0.00	18									
1755	1.5 C.Y.	5,843	1.33	1.68	0.43	0.80	0.00	0.93	0.00	26									
1760	2.0 C.Y.	6,935	1.58	1.99	0.52	0.96	0.00	1.10	0.00	32									
1765	2.5 C.Y.	8,130	1.85	2.35	0.60	1.12	0.00	1.30	0.00	37									
1770	3.0 C.Y.	10,036	2.28	2.89	0.74	1.38	0.00	1.60	0.00	46									
1775	3.5 C.Y.	11,074	2.52	3.19	0.82	1.52	0.00	1.77	0.00	50									
1780	4.0 C.Y.	13,600	3.09	3.92	1.01	1.87	0.00	2.17	0.00	65									
1785	4.5 C.Y.	14,438	3.28	4.17	1.07	1.98	0.00	2.31	0.00	69									
1790	5.0 C.Y.	17,474	3.97	5.04	1.29	2.40	0.00	2.79	0.00	85									

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					
<b>BUCKETS, DRAGLINE (CONT'D)</b> *****														
<b>HENDRIX - MODEL LS LIGHT WEIGHT &amp; PERFORATED (CONT'D)</b>														
1795	6.0 C.Y.	18,885	4.30	5.45	1.40	2.60	0.00	3.02	0.00	90				
1800	7.0 C.Y.	20,716	4.70	5.96	1.53	2.84	0.00	3.30	0.00	101				
1805	8.0 C.Y.	22,967	5.22	6.62	1.70	3.15	0.00	3.67	0.00	112				
1810	9.0 C.Y.	26,491	6.02	7.64	1.96	3.64	0.00	4.23	0.00	128				
1815	10.0 C.Y.	28,788	6.54	8.29	2.13	3.95	0.00	4.59	0.00	139				
1820	12.0 C.Y.	35,260	8.01	10.16	2.61	4.84	0.00	5.63	0.00	166				
1825	14.0 C.Y.	40,546	9.22	11.68	3.00	5.57	0.00	6.47	0.00	191				
<b>HENDRIX - MODEL TS, MEDIUM WEIGHT</b>														
1835	.75 C.Y.	4,598	1.04	1.33	0.34	0.63	0.00	0.74	0.00	17				
1840	1.0 C.Y.	5,605	1.27	1.61	0.42	0.77	0.00	0.89	0.00	19				
1845	1.5 C.Y.	7,028	1.59	2.02	0.52	0.96	0.00	1.12	0.00	28				
1850	2.0 C.Y.	8,449	1.92	2.43	0.63	1.16	0.00	1.34	0.00	36				
1855	2.5 C.Y.	9,727	2.21	2.80	0.72	1.33	0.00	1.55	0.00	41				
1860	3.0 C.Y.	11,630	2.64	3.36	0.86	1.59	0.00	1.86	0.00	49				
1865	3.5 C.Y.	12,842	2.93	3.70	0.95	1.77	0.00	2.05	0.00	54				
1870	4.0 C.Y.	15,549	3.54	4.48	1.15	2.14	0.00	2.48	0.00	70				
1875	4.5 C.Y.	16,555	3.76	4.77	1.22	2.27	0.00	2.64	0.00	72				
1880	5.0 C.Y.	21,239	4.83	6.12	1.57	2.92	0.00	3.39	0.00	93				
1885	6.0 C.Y.	21,946	4.99	6.32	1.63	3.02	0.00	3.50	0.00	96				
1890	7.0 C.Y.	25,087	5.70	7.22	1.85	3.44	0.00	4.00	0.00	111				
1895	8.0 C.Y.	27,614	6.28	7.96	2.05	3.80	0.00	4.41	0.00	122				
1900	9.0 C.Y.	33,132	7.53	9.54	2.45	4.55	0.00	5.28	0.00	149				
1905	10.0 C.Y.	35,293	8.02	10.17	2.61	4.84	0.00	5.63	0.00	159				
1910	12.0 C.Y.	44,965	10.22	12.95	3.32	6.17	0.00	7.17	0.00	202				
1915	14.0 C.Y.	50,071	11.38	14.42	3.70	6.87	0.00	7.98	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	SEVERE	OWNER-	FUEL							
						COND.	COND.	SHIP	SHIP							
BUCKETS, DRAGLINE (CONT'D)																
*****																
HENDRIX - MODEL MH-S, HEAVY WEIGHT																
1925	2.75 C.Y.	18,407	4.19	5.31	1.36	2.53	0.00	2.94	0.00	69						
1930	3.0 C.Y.	19,150	4.35	5.51	1.42	2.63	0.00	3.05	0.00	72						
1935	3.5 C.Y.	21,452	4.87	6.18	1.58	2.94	0.00	3.42	0.00	81						
1940	4.0 C.Y.	28,734	6.54	8.28	2.13	3.95	0.00	4.59	0.00	110						
1945	4.5 C.Y.	32,125	7.31	9.26	2.38	4.42	0.00	5.13	0.00	123						
1950	5.0 C.Y.	33,174	7.55	9.55	2.45	4.56	0.00	5.29	0.00	127						
1955	6.0 C.Y.	35,526	8.08	10.24	2.63	4.88	0.00	5.67	0.00	136						
1960	7.0 C.Y.	45,222	10.28	13.02	3.35	6.21	0.00	7.21	0.00	175						
1965	8.0 C.Y.	46,509	10.57	13.40	3.43	6.38	0.00	7.42	0.00	180						
1970	9.0 C.Y.	59,279	13.47	17.08	4.38	8.14	0.00	9.46	0.00	234						
1975	10.0 C.Y.	60,787	13.82	17.51	4.50	8.35	0.00	9.70	0.00	243						
1980	12.0 C.Y.	72,296	16.44	20.82	5.35	9.93	0.00	11.53	0.00	289						
1985	14.0 C.Y.	75,084	17.07	21.63	5.55	10.31	0.00	11.98	0.00	309						
SAUERMAN - CRESCENT SCRAPER																
WITH DRAGLINE CONVERSION KIT																
1995	SC-1050-K 1.0 C.Y.	10,465	2.38	3.02	0.77	1.44	0.00	1.67	0.00	15						
2000	SC-1060-K 1.5 C.Y.	13,423	3.06	3.87	1.00	1.85	0.00	2.14	0.00	20						
2005	SC-1070-K 2.0 C.Y.	18,338	4.17	5.29	1.36	2.52	0.00	2.93	0.00	25						
2010	SC-1090-K 3.0 C.Y.	24,331	5.53	7.01	1.80	3.34	0.00	3.88	0.00	36						
2015	SC-1100-K 4.0 C.Y.	36,248	8.24	10.44	2.68	4.98	0.00	5.78	0.00	49						
2020	SC-1110-K 5.0 C.Y.	41,384	9.40	11.93	3.06	5.68	0.00	6.61	0.00	58						
2025	SC-1120-K 6.0 C.Y.	50,101	11.39	14.44	3.70	6.88	0.00	8.00	0.00	68						
2030	SC-1130-K 8.0 C.Y.	61,007	13.87	17.57	4.51	8.38	0.00	9.73	0.00	88						
2035	SC-1140-K 10.0 C.Y.	74,001	16.83	21.31	5.48	10.17	0.00	11.80	0.00	106						
2040	SC-1150-K 12.0 C.Y.	86,080	19.57	24.80	6.36	11.82	0.00	13.73	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 COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL			
			AVERAGE	SEVERE							
<b>COMPACTORS, MANUALLY OPERATED</b> *****											
2050	UR-12 INGERSOLL-RAND RAMMER	3 HP G	1,796	1.17		0.16	0.34	0.29		1	
2055	GVR75Y WACKER RAMMER	3 HP G	1,420	1.00		0.13	0.27	0.29		1	
2060	GVR100 WACKER RAMMER	5 HP G	1,917	1.47		0.17	0.36	0.49		1	
2065	GVR151Y WACKER RAMMER	5 HP G	2,500	1.73		0.22	0.47	0.49		2	
2070	GVR220Y WACKER RAMMER	6 HP G	3,215	2.16		0.29	0.60	0.58		2	
2075	VPG160B WACKER VIBRO PLATE	3 HP G	1,276	0.93		0.11	0.24	0.29		2	
2080	VPG260K WACKER VIBRO PLATE	7 HP G	1,995	1.73		0.18	0.37	0.68		3	
2085	BT-50 BOMAG TAMPING	4 HP G	1,865	1.33		0.17	0.36	0.39		1	
2090	BT-70 BOMAG TAMPING	4 HP G	2,344	1.53		0.21	0.44	0.39		2	
2095	BP-11K BOMAG VIBRO PLATE	4 HP G	1,649	1.22		0.15	0.31	0.39		3	
2100	BP-19/75 BOMAG VIBRO PLATE	5 HP D	3,362	1.87		0.30	0.63	0.29		4	
2105	BP-30 BOMAG VIBRO PLATE	5 HP D	5,722	2.94		0.52	1.08	0.29		5	
2110	BP-50 BOMAG VIBRO PLATE	5 HP D	10,004	4.86		0.90	1.89	0.29		9	
2115	BW-75E BOMAG WALK BEHIND S/D	5 HP D	7,812	3.88		0.71	1.48	0.29		10	
2120	BW-35 BOMAG WALK BEHIND D/D	4 HP D	9,667	4.63		0.87	1.82	0.23		11	
2125	BW-60SE BOMAG D/D ROLLER	8 HP D	13,513	6.66		1.23	2.56	0.46		20	
2130	BW-90SE BOMAG D/D ROLLER	13 HP D	16,886	8.53		1.53	3.20	0.74		30	
2135	VPG600 WACKER VIBRO PLATE	9 HP G	3,784	2.80		0.35	0.72	0.88		7	
2140	DPS2350 WACKER VIBRO PLATE	7 HP D	3,914	2.26		0.35	0.74	0.40		4	
2145	DPS4570 WACKER VIBRO PLATE	10 HP D	6,322	3.55		0.57	1.19	0.57		8	
2150	DVU4001 WACKER VIBRO PLATE	10 HP D	12,853	6.50		1.16	2.43	0.57		13	
2155	W 55 T WACKER D/D ROLLER	8 HP D	12,479	6.19		1.13	2.36	0.46		17	
2160	W 74 T WACKER D/D ROLLER	8 HP D	14,075	6.92		1.28	2.67	0.46		19	
<b>CONCRETE BUGGIES - AEROIL</b> *****											
2170	5 CF WALK-BEHIND	5 HP G	1,911	1.18		0.17	0.35	0.38		3	

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							
<b>CONCRETE FINISHERS - BOMAG</b> *****											
2180	MOD F46B4 GYRO TROWEL	7 HP G	1,562	1.25		0.14	0.28	0.53		2	
2185	MOD RF2B4 DOUBLTROWEL	16 HP G	6,141	3.79		0.55	1.12	1.22		7	
2190	MOD RP3B3 TRIPLTROWEL	16 HP G	7,918	4.43		0.72	1.45	1.22		9	
<b>CONCRETE MIXERS</b> *****											
2200	PORTABLE CONCRETE MIXER 2.5 CF	1 HP E	751	0.30		0.06	0.11	0.04		2	
2205	PORTABLE CONCRETE MIXER 3.5 CF	1 HP E	795	0.33		0.07	0.13	0.04		3	
2210	PORTABLE CONCRETE MIXER 6.0 CF	7 HP G	2,332	1.51		0.21	0.41	0.53		7	
2215	PORTABLE MORTAR MIXER 6.0 CF	7 HP G	1,879	1.34		0.16	0.32	0.53		6	
<b>CONCRETE PAVERS</b> *****											
<b>CMI</b>											
2225	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANES, AND SIDEWALKS	142 HP D	142,859	43.18		10.66	19.16	5.83		263	
2230	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP D	247,876	72.91		18.48	33.24	8.54		470	
2235	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	435,833	122.11		32.50	58.45	10.26		720	
<b>GOMACO</b>											
2245	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP G	30,213	13.62		2.25	4.03	4.59		91	
2250	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	130,166	37.79		9.70	17.45	4.10		240	
<b>CONCRETE PLACERS, SHOTCRETE</b> *****											
<b>ALLENTOWN</b>											
2260	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CPM COMP.	12 HP D	27,222	9.10		2.18	4.17	0.73		45	
2265	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CPM COMP.	20 HP D	31,071	10.88		2.49	4.78	1.21		60	

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	
<b>CONCRETE PLACERS, SHOTCRETE (CONT'D)</b>									
<b>*****</b>									
ALLENTOWN (CONT'D)									
2270	GR600 ROTARY GUN 1-6 CY/HR INCL. HOSE, REQ. 550 CPM COMP.	550CFM A	8,827	2.85	0.70	1.34	0.00		9
2275	GR1200 ROTARY GUN 4-12 CY/HR INCL. HOSE, REQ. 770 CPM COMP.	770CFM A	17,414	5.57	1.40	2.67	0.00		18
CHALLENGE SQUEEZ-CRETE									
2285	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP D	47,800	19.16	3.84	7.38	3.75		70
<b>CONCRETE PUMPS</b>									
<b>*****</b>									
MORGEN									
2295	MOD 204-305 TRAILER MTD 60 CY/HR 100 HP D	60 CY/HR 100 HP D	61,242	26.15	4.92	9.46	6.05		70
2300	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	120 CY/HR 210 HP D	155,318	64.93	12.48	23.92	14.23		255
SCHWING									
2310	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	60 CY/HR 67 HP D	48,581	19.79	3.91	7.51	4.05		66
2315	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	60 CY/HR 152 HP D	75,859	34.53	6.09	11.65	9.19		98
2320	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	135 CY/HR 152 HP D	77,874	35.14	6.25	11.96	9.19		98
2325	MOD BP 3000 TRAILER MTD 127 CY/HR 177 HP D	127 CY/HR 177 HP D	103,138	44.69	8.29	15.92	10.70		130
2330	MOD BP 5000 TRAILER MTD 151 CY/HR 300 HP D	151 CY/HR 300 HP D	132,023	62.90	10.62	20.40	18.14		150
2335	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	72 CY/HR 175 HP D	163,129	64.27	13.05	24.93	11.86		302
2340	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	107 CY/HR 175 HP D	235,662	86.08	18.88	36.14	11.86		321
2345	MOD BPL1200 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	147 CY/HR 239 HP D	294,619	109.36	23.61	45.17	16.19		408

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	COND.	SEVERE COND.										
			AVERAGE	SEVERE															
<b>CONCRETE SAWS</b> *****																			
FELKER (SAWBLADE WEAR NOT INCLUDED)																			
2355	MOD 8KCC	5" DEPTH OF CUT 8 HP G	1,840	1.58		0.15	0.28	0.78		3									
2360	MOD 12WOC	5" DEPTH OF CUT 12 HP G	2,041	2.15		0.16	0.31	1.17		3									
2365	MOD 14TCC	5" DEPTH OF CUT 14 HP G	2,097	2.44		0.17	0.33	1.36		3									
2370	MOD 140MR	8" DEPTH OF CUT 14 HP G	4,453	3.14		0.36	0.69	1.36		6									
2375	MOD 185MR	8" DEPTH OF CUT 18 HP G	5,648	4.00		0.45	0.87	1.75		7									
2380	MOD 250MR	8" DEPTH OF CUT 23 HP G	5,724	4.69		0.46	0.89	2.24		7									
2385	MOD 30MCA	10" DEPTH OF CUT 30 HP G	9,160	6.61		0.74	1.42	2.92		12									
2390	MOD 665MCA	15" DEPTH OF CUT 65 HP G	12,298	12.06		1.00	1.91	6.33		14									
<b>CRANES, SHOVEL, BACKHOE, DRAGLINE</b> *****																			
AMERICAN - CRAWLER TYPE																			
MOD 4120 DRAGLINE 1 CY 93 HP D 13'-7" CRAWLERS W/28" SHOES																			
2400	DRAGLINE OR CLAMSHELL (LESS BUCKET)		212,509	45.72	55.74	15.02	25.52	3.01	28.45	3.82									
MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES																			
2405	DRAGLINE OR CLAMSHELL (LESS BUCKET)		293,734	56.15	65.95	19.60	31.21	3.69	33.71	4.68									
2410	CRANE 35-T W/65' BOOM		295,430	51.69	59.31	19.71	31.39	2.95	33.91	3.82									
MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES																			
2420	CRANE 50-T W/75' BOOM		322,765	56.15	64.38	21.54	34.30	2.95	37.05	3.82									
MOD 5299-A LIFTING CRANE T/C 114 HP D 17'-6" CRAWLERS W/32" SHOES																			
2430	CRANE 60-T W/80' BOOM		339,938	58.95	67.55	22.69	36.13	2.95	39.01	3.82									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****										
	AMERICAN - CRAWLER TYPE (CONT'D)										
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES										
2440	DRAGLINE OR CLAMSHELL (LESS BUCKET)	403,146	77.52	91.08	26.90	42.84	5.44	46.27	6.89	1278	
2445	CRANE 40-T W/75' BOOM	394,696	69.55	79.86	26.34	41.94	4.35	45.30	5.62	1262	
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES										
2455	CRANE 60-T W/80' BOOM	418,969	68.82	77.35	26.86	40.66	4.35	43.07	5.62	1421	
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES										
2465	CRANE 100T W/200' BOOM	519,338	84.05	94.24	33.30	50.41	4.35	53.39	5.62	1886	
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES										
2475	CRANE 110-T W/200' BOOM	683,960	112.77	126.81	43.85	66.38	7.44	70.32	9.61	2792	
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES										
2485	CRANE 125T W/270' BOOM	725,676	119.09	133.83	46.53	70.43	7.44	74.61	9.61	3150	
2490	DRAGLINE OR CLAMSHELL (LESS BUCKET)	688,531	123.25	141.49	44.15	66.83	9.30	70.79	11.78	2950	
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES										
2500	CRANE 150T W/280' BOOM	799,277	130.25	146.20	51.25	77.57	7.44	82.17	9.61	3400	
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES										
2510	CRANE 165T W/290' BOOM	840,206	133.65	148.46	52.77	77.68	7.44	81.55	9.61	3580	
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES										
2520	CRANE 225T W/280' BOOM	900,032	142.51	158.19	56.53	83.21	7.44	87.36	9.61	3990	

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						
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	BUCYRUS ERIE - CRAWLER TYPE									
	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES									
2535	DRAGLINE OR CLAMSHELL (LESS BUCKET)	224,658	49.05	59.84	15.88	26.98	3.73	30.08	4.72	647
2540	CRANE 28-T W/50' BOOM	229,495	40.99	47.14	15.32	24.39	2.98	26.34	3.85	651
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES									
2550	BACKHOE	290,257	75.80	96.21	21.66	38.87	5.44	44.88	7.15	792
2555	DRAGLINE OR CLAMSHELL (LESS BUCKET)	322,482	62.38	73.33	21.52	34.27	4.67	37.01	5.91	833
2560	CRANE 35-T W/60' BOOM	324,094	57.30	65.82	21.63	34.44	3.73	37.20	4.82	831
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES									
2570	SHOVEL	413,369	106.72	135.41	30.84	55.35	6.73	63.92	8.84	1279
2575	DRAGLINE OR CLAMSHELL (LESS BUCKET)	423,023	81.40	95.65	28.23	44.95	5.77	48.54	7.31	1192
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES									
2585	SHOVEL	591,039	139.86	170.87	41.24	72.38	7.75	81.08	10.18	1762
2590	BACKHOE	565,949	134.31	164.13	39.49	69.30	7.75	77.63	10.18	1727
2595	DRAGLINE OR CLAMSHELL (LESS BUCKET)	583,522	102.93	117.99	37.42	56.64	6.64	59.99	8.41	1570
2600	CRANE 51-T W/70' BOOM	571,061	93.05	104.47	36.61	55.42	5.31	58.72	6.86	1571
	MOD 61-B SER-2 110-T 4 CY T/C 243 HP D 20'-6" CRAWLERS W/42" SHOES									
2610	CRANE 110T W/160' BOOM	719,637	116.79	131.02	46.14	69.85	6.30	73.99	8.14	2123
2615	DRAGLINE OR CLAMSHELL (LESS BUCKET)	687,452	121.31	139.08	44.08	66.72	7.87	70.68	9.97	1973
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2625	SHOVEL	711,988	168.43	205.77	49.67	87.18	9.30	97.66	12.22	2096
2630	BACKHOE	673,546	159.95	195.47	46.99	82.47	9.30	92.39	12.22	2000

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	AVERAGE	SEVERE	STAND-BY	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									
2635	DRAGLINE OR CLAMSHELL (LESS BUCKET)	638,275	113.45	130.17	40.93	61.95	7.97	65.63	10.10	1820
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES									
2645	SHOVEL	1,009,756	233.99	278.30	67.42	113.02	13.80	123.64	18.13	2822
2650	DRAGLINE OR CLAMSHELL (LESS BUCKET)	830,708	145.84	165.65	52.17	76.80	11.83	80.62	14.98	2274
	LINK BELT - CRAWLER TYPE									
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/24" SHOES									
2665	CRANE 40-T W/50' BOOM	216,181	38.65	44.47	14.43	22.97	2.85	24.81	3.68	772
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES									
2675	CRANE 60-T W/80' BOOM	344,581	57.45	64.72	22.09	33.44	4.28	35.43	5.52	1232
	MOD LS-338 LIFTING CRANE T/C 170 HP D 20'-0" CRAWLERS W/38" SHOES									
2685	CRANE 100-T W/200' BOOM	480,874	78.28	87.85	30.83	46.67	4.41	49.44	5.69	1512
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W/44" SHOES									
2695	CRANE 150-T W/250' BOOM	730,103	118.44	132.85	46.82	70.87	6.35	75.06	8.20	2712
	MANITOWOC - CRAWLER TYPE									
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES									
2710	DRAGLINE OR CLAMSHELL (LESS BUCKET)	484,105	90.02	103.75	31.04	46.98	9.30	49.77	11.78	2306
2715	CRANE 100T W/210' BOOM	522,931	88.36	99.72	33.53	50.76	7.44	53.77	9.61	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	OWNER-SHIP	FUEL	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	MANITOWOC - CRAWLER TYPE (CONT'D)									
	MOD 3900W VICON SER2 4 CY T/C 300 HP D 24'-0" CRAWLERS W/48" SHOES									
2725	DRAGLINE OR CLAMSHELL (LESS BUCKET)	614,985	111.80	128.56	39.43	59.69	9.72	63.23	12.31	2763
2730	CRANE 140T W/250' BOOM	623,010	103.93	117.08	39.94	60.46	7.78	64.05	10.04	2815
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
2740	DRAGLINE OR CLAMSHELL (LESS BUCKET)	818,962	147.32	169.22	52.51	79.49	11.66	84.20	14.77	3788
2745	CRANE 200T W/260' BOOM	829,666	134.43	149.77	52.11	76.70	9.33	80.53	12.05	3929
	MOD 4600 VICON SERIES 3 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
2755	CRANE 240T W/260' BOOM	1,288,767	212.87	237.86	80.95	119.15	17.76	125.08	22.93	5200
2760	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,308,890	234.20	266.61	82.21	121.01	22.19	127.04	28.11	5100
	NORTHWEST - CRAWLER TYPE									
	MOD 50-D 1.5 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES									
2775	DRAGLINE OR CLAMSHELL (LESS BUCKET)	300,233	62.11	73.39	20.04	31.90	7.71	34.46	9.77	954
2780	CRANE 45-T W/60' BOOM	296,904	55.79	64.57	19.81	31.55	6.17	34.08	7.97	947
	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
2790	SHOVEL	506,203	132.72	168.50	37.77	67.78	9.94	78.27	13.07	1510
2795	DRAGLINE OR CLAMSHELL (LESS BUCKET)	430,026	85.93	101.27	28.70	45.69	8.52	49.35	10.79	1274
2800	CRANE 40-T W/50' BOOM	425,655	77.56	89.42	28.41	45.23	6.82	48.85	8.81	1267
	MOD 9570 4.0 CY T/C 263 HP D 19'-0" CRAWLERS W/38" SHOES									
2810	DRAGLINE OR CLAMSHELL (LESS BUCKET)	503,864	92.27	106.19	32.30	48.90	8.52	51.81	10.79	1580
2815	CRANE 60-T W/50' BOOM	499,432	84.03	94.79	32.02	48.47	6.82	51.35	8.81	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	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	
	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									
2825	SHOVEL	834,549	200.63	245.44	58.23	102.19	13.53	114.49	17.79	2571
2830	DRAGLINE OR CLAMSHELL (LESS BUCKET)	748,836	135.84	156.18	48.01	72.68	11.60	76.99	14.69	2365
2835	CRANE 97.5-T W/170' BOOM	773,872	128.64	144.85	49.62	75.11	9.28	79.57	11.99	2464
	MOD 190-D WT SERIES 3 T/C 456 HP D 21'-1" CRAWLERS W/54" SHOES									
2845	DRAGLINE 6.5 CY (LESS BUCKET)	766,286	139.32	158.88	48.13	70.85	14.77	74.38	18.71	2740
2850	CRANE 100-T W/170' BOOM	794,726	134.90	152.36	50.96	77.13	11.82	81.71	15.27	2872
	P & H - CRAWLER TYPE									
	MOD 5060 1.75 CY T/C 140 HP D 19'-8" CRAWLERS W/30" SHOES									
2865	DRAGLINE (LESS BUCKET)	329,132	63.41	74.51	21.97	34.98	4.54	37.78	5.75	989
2870	CRANE 60-T W/80' BOOM	336,308	55.41	62.31	21.56	32.64	3.63	34.58	4.69	1157
	MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES									
2880	DRAGLINE OR CLAMSHELL (LESS BUCKET)	411,848	80.22	94.35	27.49	43.77	6.42	47.27	8.13	1344
2885	CRANE 70-T W/150' BOOM	423,342	70.44	79.33	27.15	41.09	5.13	43.53	6.63	1466
	MOD 5100 3 CY T/C 236 HP D 21'-6" CRAWLERS W/36" SHOES									
2890	DRAGLINE OR CLAMSHELL (LESS BUCKET)	497,113	90.12	103.60	31.88	48.25	7.65	51.11	9.69	1775
2895	CRANE 100-T W/210' BOOM	515,088	85.55	96.31	33.03	49.99	6.12	52.96	7.90	1850
	MOD 5300A LIFTING CRANE T/C 378 HP D 32'-8" CRAWLERS W/48" SHOES									
2900	CRANE 300-T W/320' BOOM	1,543,701	240.75	266.57	96.96	142.72	9.80	149.83	12.66	5588

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT								
			CONDITION		STAND-BY	AVERAGE OWNERSHIP	FUEL	SEVERE OWNERSHIP									
			AVERAGE	SEVERE													
<b>CRANES, HYDRAULIC SELF-PROPELLED</b> *****																	
<b>GROVE</b>																	
2910	MOD RT58A	14 TON	112 HP D	122,162	26.32	7.82	12.45	4.60	410								
2915	MOD RT515	15 TON	115 HP D	130,676	27.86	8.37	13.34	4.72	418								
2920	MOD RT518	18 TON	115 HP D	144,257	30.27	9.22	14.66	4.72	452								
2925	MOD RT522	22 TON	115 HP D	157,918	32.50	10.10	16.07	4.72	498								
2930	MOD RT625	25 TON	156 HP D	209,638	42.67	13.42	21.37	6.40	560								
2935	MOD RT740	40 TON	170 HP D	290,509	57.83	18.56	29.46	6.98	758								
2940	MOD RT755	55 TON	170 HP D	345,288	67.25	22.03	34.91	6.98	839								
2945	MOD RT865	65 TON	208 HP D	425,672	82.43	27.20	43.20	8.54	1100								
2950	MOD RT980	80 TON	230 HP D	548,732	104.71	35.01	55.49	9.44	1320								
2955	MOD RT1650	165 TON	512 HP D	1,034,963	200.73	66.12	105.04	21.01	2400								
<b>LORAIN</b>																	
2965	MOD LRT150	15 TON	114 HP D	125,130	26.65	8.04	12.87	4.68	438								
2970	MOD LRT180	18 TON	121 HP D	131,317	28.02	8.43	13.50	4.97	450								
2975	MOD LRT330	33 TON	180 HP D	203,478	43.64	13.01	20.68	7.39	570								
<b>P &amp; H</b>																	
2985	MOD OMEGA 15	15 TON	125 HP D	125,602	27.31	8.07	12.91	5.13	364								
2990	MOD OMEGA 18	18 TON	125 HP D	129,077	27.88	8.29	13.28	5.13	370								
2995	MOD OMEGA 20	20 TON	125 HP D	133,544	28.60	8.58	13.74	5.13	380								
3000	MOD OMEGA 23	23 TON	125 HP D	152,334	31.91	9.76	15.58	5.13	425								
3005	MOD OMEGA 25	25 TON	155 HP D	191,543	40.07	12.27	19.56	6.36	540								
3010	MOD OMEGA 30	30 TON	155 HP D	197,139	40.97	12.63	20.14	6.36	550								
3015	MOD OMEGA 35	35 TON	155 HP D	203,739	42.04	13.05	20.83	6.36	560								
3020	MOD OMEGA 40	40 TON	202 HP D	272,915	56.71	17.42	27.63	8.29	760								
3025	MOD OMEGA 45	45 TON	202 HP D	282,354	58.23	18.03	28.61	8.29	770								
3030	MOD OMEGA 50	50 TON	202 HP D	292,719	59.89	18.69	29.68	8.29	780								
3035	MOD OMEGA 65	65 TON	235 HP D	376,051	75.86	23.99	38.04	9.64	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 OWNER-SHIP	SEVERE OWNER-SHIP	COND. FUEL	SEVERE COND. FUEL				
	AVERAGE	SEVERE										
<b>CRANES, HYD SELF-PROPELLED (CONT'D)</b> *****												
PETTIBONE												
3045	MOD 16 MK P SERIES	8 TON	118 HP D	113,101	24.85		7.27	11.64	4.84	290		
3050	MOD 20 MK P SERIES	10 TON	118 HP D	115,119	25.24		7.39	11.82	4.84	310		
3055	MOD 25 MK P SERIES	12.5 TON	118 HP D	118,935	25.86		7.64	12.22	4.84	465		
3060	MOD 36 MK P SERIES	18 TON	118 HP D	137,431	29.12		8.80	14.03	4.84	500		
3065	MOD 100SC	50 TON	188 HP D	307,509	61.53		19.65	31.22	7.72	1050		
<b>CRANES, HYDRAULIC TRUCK MOUNTED</b> ***** (HP & FUEL LISTED EQUIP/CARRIER)												
BUCYRUS ERIE												
3075	30-XC	30 TON W/80' BOOM	130/210 HP D/D	220,511	40.39	46.43	13.78	21.35	6.86	22.67	8.80	552
3080	60-XC	60 TON W/104' BOOM	197/238 HP D/D	379,871	66.81	76.52	23.78	36.90	9.81	39.19	12.65	783
GROVE												
3090	IIMS185	18 TON W/106' BOOM	172 HP D	209,762	41.68	49.16	13.71	22.41	7.06	24.29	9.29	442
3095	IIMS300	35 TON W/112' BOOM	203 HP D	254,810	47.23	54.73	15.92	24.66	8.33	26.19	10.96	705
3100	IIMS475	50 TON W/142' BOOM	213 HP D	316,398	56.48	65.10	19.79	30.69	8.74	32.59	11.50	776
3105	IM875	80 TON W/146' BOOM	196/268 HP D/D	468,570	79.48	90.03	28.59	42.89	9.99	45.12	12.85	1200
3110	IM1150	115 TON W/172' BOOM	196/315 HP D/D	719,067	114.68	128.72	43.97	66.19	10.33	69.64	13.25	1600
3115	IM1400	140 TON W/173' BOOM	318/387 HP D/D	844,788	137.53	154.03	51.95	74.13	15.86	77.24	20.45	1880
LINK BELT (FMC)												
3125	HTC-25	25 TON W/95' BOOM	216 HP D	207,722	43.89	52.14	13.56	22.15	8.86	24.01	11.66	462
3130	HTC-35	35 TON W/108' BOOM	216 HP D	244,447	46.25	53.75	15.29	23.72	8.86	25.20	11.66	628
3135	HTC-50	50 TON W/122' BOOM	244 HP D	297,452	55.28	64.10	18.61	28.87	10.01	30.67	13.18	727
PETTIBONE												
3145	50TKLSPC	25 TON W/98' BOOM	210 HP D	215,547	44.68	52.94	14.09	23.04	8.62	24.96	11.34	520
3150	80TKLS	40 TON W/112' BOOM	244 HP D	274,521	52.11	60.60	17.17	26.60	10.01	28.26	13.18	740
3155	110 TK P	55 TON W/114' BOOM	238 HP D	296,694	54.95	63.66	18.56	28.77	9.77	30.56	12.85	830

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	FUEL		
	CRANES, HYDRAULIC TRUCK MTD (CONT'D) ***** (HP & FUEL LISTED EQUIP/CARRIER)									
	PETTIBONE (CONT'D)									
3160	160TKLSPC80 TON W/118' BOOM 365 HP D	481,367	87.53	100.62	29.37	44.08	14.98	46.37	19.71	1395
	CRANES, TRUCK MOUNTED ***** (HP & FUEL LISTED EQUIP/CARRIER)									
	AMERICAN									
3170	5470 65 TON W/170' BOOM 115/238 HP D/D	404,190	66.54	75.47	25.25	39.07	6.45	41.49	8.23	1175
3175	5530 75 TON W/170' BOOM 115/238 HP D/D	416,805	67.21	75.52	25.47	38.30	6.45	40.31	8.23	1245
3180	7460 90 TON W/200' BOOM 213/230 HP D/D	511,504	85.36	96.53	31.29	47.12	10.41	49.57	13.45	1503
3185	7530 125 TON W/220' BOOM 213/350 HP D/D	584,997	96.98	109.45	35.76	53.82	11.28	56.64	14.47	1696
3190	8460 165 TON W/240' BOOM 268/350 HP D/D	817,841	130.12	145.16	50.36	72.01	13.54	75.03	17.44	2320
3195	9460 220 TON W/260' BOOM 287/450 HP D/D	1,102,325	172.89	192.38	67.75	96.56	15.05	100.59	19.31	3480
	LINK BELT (FMC)									
3205	HC108C 50 TON W/150' BOOM 110/238 HP D/D	368,439	61.21	69.51	23.01	35.57	6.24	37.77	7.96	1197
3210	HC218A 100 TON W/220' BOOM 165/318 HP D/D	561,360	90.75	101.98	34.33	51.70	9.08	54.40	11.60	1688
3215	HC238A 140 TON W/230' BOOM 171/318 HP D/D	657,631	102.98	114.50	40.47	57.80	9.33	60.22	11.93	2220
	LORAIN									
3225	MC670A 70 TON W/170' BOOM 150/250 HP D/D	424,988	70.27	79.27	25.98	39.07	7.97	41.10	10.22	1243
3230	MC790 90 TON W/220' BOOM 210/270 HP D/D	520,468	86.96	98.29	31.82	47.89	10.58	50.39	13.63	1594
3235	MCL400 140 TON W/230' BOOM 220/290 HP D/D	634,713	102.10	114.09	39.05	55.75	11.13	58.09	14.34	1950
	P & H									
3245	325TC 25 TON W/110' BOOM 83/190 HP D/D	263,714	46.88	54.27	17.24	28.18	4.79	30.53	6.09	645
3250	430ATC 35 TON W/150' BOOM 86/210 HP D/D	295,502	48.74	55.27	18.49	28.69	5.05	30.48	6.42	763
3255	440TC 40 TON W/170' BOOM 90/228 HP D/D	331,511	54.38	61.61	20.74	32.15	5.35	34.15	6.79	964
3260	650ATC 50 TON W/150' BOOM 135/236 HP D/D	427,227	70.81	80.43	26.70	41.32	7.25	43.88	9.29	1222
3265	670TC 70 TON W/180' BOOM 135/255 HP D/D	469,684	75.74	85.12	28.72	43.22	7.39	45.48	9.45	1440

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	
	CRANES, TRUCK MOUNTED (CONT'D) ***** (HP & FUEL LISTED EQUIP/CARRIER)									
	P & H (CONT'D)									
3270	790BTC 90 TON W/200' BOOM 160/350 HP D/D	526,423	86.11	96.90	32.16	48.37	9.11	50.89	11.60	1606
3275	9115 125 TON W/220' BOOM 179/350 HP D/D	641,340	103.06	115.72	39.23	59.07	9.89	62.15	12.63	1709
3280	9150 150 TON W/270' BOOM 210/350 HP D/D	679,796	108.31	120.78	41.84	59.77	11.16	62.28	14.30	1805
3285	6250TC 300 TON W/320' BOOM 364/450 HP D/D	1,487,969	228.32	253.31	91.65	131.11	18.21	136.64	23.47	3928
	CRANES, TOWER *****									
	AMERICAN PECCO									
	MODEL SK135-2 FREE STANDING 60 HP E 7500# @ 132' RADIUS (L-2)									
3295	7-S16 TOWER SECTS=103 FT HIGH	295,923	55.79		19.77	28.23	3.24			740
	OPT. 14'9-1/4" S16 TOWER SECT									
3300	ADD TO BASIC CRANE FOR EA SECT	13,615	2.09		0.91	1.30	0.00			51
3305	TOP CLIMBING OPT. ADD TO BASIC	49,199	7.55		3.29	4.69	0.00			118
	MODEL SK200 FREE STANDING 105 HP E 10600# @ 143' RADIUS (L-2)									
3310	7-S16 TOWER SECTS=103 FT HIGH	371,118	70.96		24.79	35.39	5.67			883
	14'9-1/4" S16 TOWER SECTION									
3315	ADD TO BASIC CRANE FOR EA SECT	13,615	2.09		0.91	1.30	0.00			51
3320	TOP CLIMBING OPT. ADD TO BASIC	49,199	7.55		3.29	4.69	0.00			118
	MODEL SK400 FREE STANDING 105 HP E 18500# @ 162' RADIUS (L-2)									
3325	6-S35 TOWER SECTS=116 FT HIGH	454,909	83.83		30.38	43.38	5.67			1216
	OPT. 19'4-1/4" S35 TOWER SECT.									
3330	ADD TO BASIC CRANE FOR EA SECT	17,579	2.70		1.18	1.68	0.00			84
3335	TOP CLIMBING OPT. ADD TO BASIC	52,769	8.10		3.52	5.03	0.00			223

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.	SEVERE OWNER-SHIP									
			AVERAGE	SEVERE													
<b>CRANES, TOWER (CONT'D)</b>																	
*****																	
<b>AMERICAN PECCO (CONT'D)</b>																	
	MODEL SK560 FREE STANDING 24500# @ 170' RADIUS (L-2)	165 HP E															
3340	6-S213 TOWER SECTS=116 FT HIGH	527,602	99.86		35.25	50.32	8.91		1547								
	OPT. 19'4-1/4" S213 TOWER SECT																
3345	ADD TO BASIC CRANE FOR EA SECT	18,936	2.90		1.26	1.80	0.00		100								
3350	TOP CLIMBING OPT. ADD TO BASIC	96,719	14.86		6.46	9.23	0.00		252								
	MODEL SN355 FREE STANDING 12300# @ 165' RADIUS (L-2) WITH LUFFING BOOM	165 HP E															
3355	6-SN35 TOWER SECTS=116 FT HIGH	561,315	105.04		37.50	53.54	8.91		2152								
	OPT. 19'4-1/4" SN35 TOWER SECT																
3360	ADD TO BASIC CRANE FOR EA SECT	17,579	2.70		1.18	1.68	0.00		84								
3365	TOP CLIMBING OPT. ADD TO BASIC	99,842	15.33		6.67	9.52	0.00		159								
<b>DRILLS, BLAST HOLE, CRAWLER MD</b>																	
*****																	
<b>GARDNER DENVER</b>																	
3375	AT3100B/PRL23J 3.0" HOLE 12' FEED 600CFM A	76,399	19.81		5.70	10.27	0.00		91								
3380	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	72,123	18.74		5.37	9.69	0.00		93								
3385	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	79,431	20.55		5.92	10.67	0.00		95								
3390	AT3700A/PR66 ANGLE DRILL 4.0" HOLE 12' FEED	900CFM A	97,476	25.08		7.27	13.10	0.00	146								
3395	ATD5100/PR80H ANGLE DRILL 4.5" HOLE 20' FEED	1200CFM A	109,270	28.06		8.14	14.69	0.00	200								
<b>INGERSOLL-RAND</b>																	
3405	ECM350/VL140 3.5" HOLE 12' FEED 750CFM A	85,628	22.09		6.38	11.51	0.00		129								
3410	ECM350/VL671 4.0" HOLE 12' FEED 900CFM A	93,124	24.00		6.94	12.52	0.00		131								
3415	ECM 450Y 3.0" HOLE 12' FEED 100 HP D	130,079	38.53		9.70	17.49	5.08		188								

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	
<b>DRILLS, BLAST HOLE, CRLR MTD (CONT'D)</b>										
*****										
JOY-SULLIVAN										
3425	MAVRICK/VCR350 2.5" HOLE 12' FEED 450CFM A	42,713	11.14		3.18	5.74	0.00			60
3430	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	75,377	19.56		5.62	10.13	0.00			100
3435	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	89,332	23.01		6.65	12.00	0.00			144
3440	MUSTANG VCR280 5.0" HOLE 20' FEED1200CFM A	110,566	28.39		8.24	14.86	0.00			184
3445	STALLION JH-6 5.5" HOLE 20' FEED 165 HP D	233,113	68.13		17.36	31.32	8.38			300
<b>DRILLS, CORE, AIR, COLUMN MOUNTED</b>										
*****										
3455	LONGYEAR 24 WOLVERINE AX 700' 450CFM A	19,054	5.06		1.42	2.56	0.00			12
3460	LONGYEAR 65D EX 600' 400CFM A	12,121	3.34		0.90	1.63	0.00			3
3465	65D ROD PULLER 21" STROKE 400CFM A	1,817	0.73		0.14	0.25	0.00			1
<b>DRILLS, CORE, SKID MOUNTED</b>										
*****										
ACKER										
3475	TEREDO MARK-II NX 1000' MAX 44 HP D	32,611	10.85		2.43	4.38	2.23			40
3480	ACE MODEL C NX 725' MAX 20 HP D	22,608	6.86		1.68	3.04	1.02			45
<b>LONGYEAR</b>										
3490	MOD 24 STD AX 675' MAX 12 HP G	18,287	5.74		1.37	2.46	1.04			17
3495	MOD 34 NX 1000' MAX 31 HP G	28,119	10.09		2.09	3.78	2.69			38
3500	MOD 34 NX 1000' MAX 40 HP D	33,360	10.78		2.49	4.48	2.03			39
3505	MOD 38 NX 1800' MAX 54 HP D	38,285	12.89		2.86	5.15	2.74			41
3510	MOD 44 NX 2500' MAX 60 HP D	46,107	15.20		3.43	6.19	3.05			56
<b>SPRAGUE AND HENWOOD</b>										
3520	MOD 37-H NX 400' MAX 18 HP G	19,287	6.59		1.44	2.59	1.56			18
3525	MOD 40-CL NX 1050' MAX 49 HP D	29,843	10.48		2.23	4.01	2.49			27

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				
DRILLS, ROTARY												
*****												
INGERSOLL-RAND												
3535	MOD DM-25 6 3/4" DRILLMASTER CRWL. MOUNTED	210 HP D	264,791	62.92	17.63	28.20	10.66		500			
3540	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	347,457	85.58	23.06	36.74	15.43		550			
3545	MOD TH-60 WATER WELL DRILL TRK. MOUNTED	435 HP D	322,168	89.83	21.40	34.13	22.08		460			
JOY-ROBBINS												
3555	RRT 35 TK MTD 6-1/4" TO 7-7/8"	225 HP D	316,153	74.34	20.98	33.41	11.42		600			
3560	RRT 50 TK MTD 6-3/4" TO 9-0"	335 HP D	481,442	112.50	31.96	50.91	17.00		860			
3565	RRT 60 TK MTD 6-3/4" TO 9-7/8"	350 HP D	512,514	119.20	34.02	54.21	17.77		960			
3570	RR10S MTD ON D9H 6-3/4" - 9-0"	410 HP D	370,056	96.09	24.64	39.41	20.81		1160			
3575	RR10HD ON D9H 6-3/4" - 10-5/8"	410 HP D	409,473	103.27	27.26	43.61	20.81		1340			
3580	RR10XHD ON 41B 9-7/8" - 12-1/4"	524 HP D	617,109	127.18	38.62	57.10	26.60		1830			
3585	RR12E CRLR MTD 9-0" TO 12-1" 725/450 HP E/E	1,134,618		182.81	71.02	104.99	30.45		2605			
FORK LIFTS												
*****												
CATERPILLAR												
LC = LOAD CENTER												
3605	M20 ELECT 2000# @ 24" LC	18 HP E	18,322	5.54	1.36	2.42	0.97		54			
3610	M25 ELECT 2500# @ 24" LC	18 HP E	18,414	5.57	1.37	2.44	0.97		54			
3615	MC30 ELECT 3000# @ 24" LC	18 HP E	19,983	5.91	1.48	2.63	0.97		85			
3620	M40B ELECT 4000# @ 24" LC	32 HP E	27,100	8.62	2.01	3.58	1.73		95			
3625	M50B ELECT 5000# @ 24" LC	32 HP E	27,767	8.77	2.06	3.67	1.73		102			
3630	MC60B ELECT 6000# @ 24" LC	47 HP E	30,814	10.62	2.29	4.08	2.54		123			
3635	M70B ELECT 7000# @ 24" LC	53 HP E	37,764	12.68	2.80	4.99	2.86		134			
3640	M80B ELECT 8000# @ 24" LC	53 HP E	39,550	13.07	2.94	5.24	2.86		142			
3645	M100B ELECT 10000# @ 24" LC	53 HP E	41,979	13.60	3.12	5.58	2.86		160			
3650	V30D GAS 3000# @ 24" LC	37 HP G	17,255	7.12	1.29	2.30	2.61		37			

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						
<b>FORK LIFTS (CONT'D)</b> *****															
<b>CATERPILLAR (CONT'D)</b>															
3655	V40C GAS 4000# @ 24" LC	48 HP G	22,774	9.35			1.69	2.99	3.39	41					
3660	V50C GAS 5000# @ 24" LC	48 HP G	23,329	9.50			1.72	3.03	3.39	45					
3665	V60E GAS 6000# @ 24" LC	63 HP G	32,026	12.74			2.37	4.21	4.45	52					
3670	V70E GAS 7000# @ 24" LC	63 HP G	32,464	12.85			2.41	4.28	4.45	56					
3675	V80E GAS 8000# @ 24" LC	63 HP G	33,779	13.14			2.50	4.45	4.45	59					
3680	V110 GAS 11000# @ 24" LC	66 HP G	48,538	16.74			3.60	6.41	4.66	82					
3685	V150 DIESEL 15000# @ 24" LC	70 HP D	52,353	15.38			3.88	6.92	2.87	92					
3690	V180B DIESEL 18000# @ 24" LC	125 HP D	69,168	22.02			5.10	9.03	5.13	114					
3695	V200B DIESEL 20000# @ 24" LC	125 HP D	75,346	23.41			5.56	9.86	5.13	124					
3700	V250B DIESEL 25000# @ 24" LC	125 HP D	77,992	24.00			5.76	10.24	5.13	154					
3705	V300B DIESEL 30000# @ 24" LC	125 HP D	87,354	26.14			6.43	11.39	5.13	165					
3710	R40 DIESEL 4000# @ 24" LC	68 HP D	31,623	10.61			2.33	4.13	2.79	107					
3715	R50 DIESEL 5000# @ 24" LC	68 HP D	32,450	10.80			2.40	4.24	2.79	112					
3720	R60 DIESEL 6000# @ 24" LC	68 HP D	39,074	12.29			2.89	5.13	2.79	128					
3725	R80 DIESEL 8000# @ 24" LC	68 HP D	40,695	12.67			3.00	5.32	2.79	138					
<b>HYSTER - CHALLENGER</b>															
3735	H30XL 3000# @ 24" LC	63 HP G	18,252	9.66			1.35	2.38	4.45	58					
3740	H60XL 6000# @ 24" LC	80 HP G	26,497	13.00			1.96	3.48	5.65	91					
3745	H110F 11000# @ 24" LC	116 HP G	51,786	21.85			3.85	6.86	8.19	163					
3750	H150H 15000# @ 24" LC	127 HP G	71,010	27.21			5.24	9.28	8.97	234					
3755	H200HS20000# @ 24" LC	PS 127 HP G	81,833	29.63			6.04	10.72	8.97	256					
3760	H250H 25000# @ 24" LC	PS 127 HP G	82,942	29.90			6.11	10.83	8.97	295					
3765	H300B 30000# @ 24" LC	PS 127 HP G	88,175	31.06			6.52	11.59	8.97	360					
3770	H460CS46000# @ 36" LC	PS 190 HP G	175,702	56.38			12.98	23.04	13.42	590					

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						
<b>GENERATOR SETS, ELECTRIC</b> *****															
CATERPILLAR T = TURBOCHARGED TA = TURBOCHARGED AFTER COOLED															
SKID MOUNTED															
3785	MOD 3304B-T	240/480V 100 KW	148 HP D	18,523	12.30	15.57	1.49	2.95	6.07	3.24	7.99	37			
3790	MOD 3306B-T	240/480V 125 KW	187 HP D	24,217	15.75	19.93	1.95	3.86	7.67	4.24	10.10	46			
3795	MOD 3306B-TA	240/480V 150 KW	220 HP D	26,076	17.92	22.70	2.10	4.16	9.03	4.56	11.88	48			
3800	MOD 3406B-T	240/480V 200 KW	290 HP D	28,129	22.00	28.03	2.26	4.48	11.90	4.93	15.66	57			
3805	MOD 3406B-TA	240/480V 250 KW	370 HP D	32,033	27.07	34.58	2.58	5.11	15.18	5.61	19.98	59			
3810	MOD 3408B-T	240/480V 255 KW	370 HP D	38,211	28.66	36.47	3.07	6.09	15.18	6.69	19.98	77			
3815	MOD 3408B-TA	240/480V 310 KW	450 HP D	42,498	33.84	43.13	3.41	6.77	18.47	7.44	24.30	81			
3820	MOD 3412B-T	240/480V 355 KW	500 HP D	51,210	38.62	49.15	4.11	8.16	20.52	8.97	27.00	91			
3825	MOD 3412B-TA	240/480V 455 KW	650 HP D	68,993	50.84	64.62	5.54	10.99	26.68	12.08	35.10	102			
3830	MOD 3508	240/480V 600 KW	845 HP D	92,063	66.69	84.74	7.39	14.66	34.68	16.12	45.63	140			
3835	MOD 3512	240/480V 900 KW	1250 HP D	125,517	95.92	122.10	10.08	20.00	51.30	21.98	67.50	202			
3840	MOD 3516	480V 1100 KW	1450 HP D	163,954	115.99	147.25	13.16	26.12	59.51	28.71	78.30	256			
KOHLER															
3850	2.25MBM25	PORTABLE 2.25 KW	5 HP G	740	0.62	0.80	0.06	0.12	0.35	0.13	0.46	1			
3855	3.5MM65	PORTABLE 3.50 KW	8 HP G	1,178	1.00	1.27	0.09	0.18	0.56	0.20	0.74	2			
3860	5MM65	PORTABLE 5.00 KW	12 HP G	1,513	1.44	1.83	0.12	0.24	0.85	0.26	1.10	2			
ONAN															
SKID MOUNTED															
3875		120/240V 2.5 KW	6 HP G	1,567	0.92	1.16	0.12	0.25	0.42	0.28	0.55	2			
3880		120/240V 6.5 KW	14 HP G	3,489	2.13	2.67	0.28	0.56	0.99	0.61	1.29	3			
3885		120/240V 10.0 KW	20 HP G	3,831	2.74	3.45	0.31	0.61	1.41	0.67	1.84	4			
3890		120/240V 3.0 KW	6 HP D	4,052	1.36	1.64	0.33	0.65	0.25	0.71	0.32	4			
3895		120/240V 6.0 KW	12 HP D	5,369	2.00	2.45	0.43	0.86	0.49	0.94	0.65	5			
3900		120/240V 12.0 KW	22 HP D	7,724	3.11	3.84	0.62	1.23	0.90	1.35	1.19	7			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	AVERAGE	SEVERE	STAND-BY	OWNER-SHIP	AVERAGE FUEL	COND.				
<b>GENERATOR SETS, ELECTRIC (CONT'D)</b> *****													
ONAN (CONT'D)													
3905	120/240V 15 KW	27 HP D	8,098	3.46	4.29	0.65	1.29	1.11	1.42	1.46			
3910	120/240V 30 KW	63 HP D	11,964	6.28	7.87	0.96	1.90	2.59	2.09	3.40			
3915	120/240V 45 KW	87 HP D	15,817	8.50	10.66	1.27	2.52	3.57	2.76	4.70			
3920	120/240V 60 KW	102 HP D	18,108	9.86	12.37	1.46	2.89	4.19	3.17	5.51			
3925	120/240V 75 KW	162 HP D	21,522	13.79	17.44	1.73	3.43	6.65	3.77	8.75			
3930	120/240V 90 KW	162 HP D	22,511	14.04	17.73	1.80	3.58	6.65	3.94	8.75			
3935	120/240V 125 KW	210 HP D	26,455	17.51	22.16	2.13	4.22	8.62	4.64	11.34			
3940	120/240V 150 KW	276 HP D	31,502	22.16	28.11	2.53	5.02	11.33	5.51	14.90			
OVERLOW													
3950	KP2250R PORTABLE	2.25 KW	5 HP G	966	0.67	0.87	0.08	0.15	0.35	0.17			
3955	KP3000BC PORTABLE	3.00 KW	7 HP G	1,077	0.89	1.12	0.09	0.17	0.49	0.19			
3960	KP3750BIC PORTABLE	3.75 KW	8 HP G	1,493	1.09	1.38	0.12	0.24	0.56	0.26			
3965	KP5000BIC PORTABLE	5.00 KW	10 HP G	1,873	1.36	1.72	0.15	0.30	0.71	0.33			
3970	KP6500BICB PORTABLE	6.50 KW	16 HP G	1,989	1.92	2.43	0.16	0.32	1.13	0.35			
3975	KP7500BICB PORTABLE	7.50 KW	16 HP G	1,886	1.89	2.40	0.15	0.30	1.13	0.33			
GRADERS, MOTOR													
*****													
CATERPILLAR													
3990	MOD 120-G POWER SHIFT ARTIC	125 HP D	112,188	27.09	33.56	7.98	13.03	4.72	14.44	6.21			
3995	MOD 130-G POWER SHIFT ARTIC	135 HP D	127,307	30.37	37.59	9.07	14.81	5.10	16.42	6.71			
4000	MOD 12-G POWER SHIFT ARTIC	135 HP D	135,504	31.89	39.44	9.65	15.75	5.10	17.46	6.71			
4005	MOD 140-G POWER SHIFT ARTIC	150 HP D	137,874	33.12	41.03	9.81	16.00	5.67	17.74	7.45			
4010	MOD 14-G POWER SHIFT ARTIC	180 HP D	190,571	44.63	55.24	13.51	21.92	6.80	24.29	8.94			
4015	MOD 16-G POWER SHIFT ARTIC	250 HP D	272,556	63.56	78.62	19.31	31.30	9.45	34.66	12.42			
										581			

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															
<b>GRADERS, MOTOR (CONT'D)</b> *****																			
<b>CHAMPION</b>																			
4025	MOD 710A	ARTICULATED	125 HP D	109,921	26.70	33.10	7.81	12.74	4.72	14.12	6.21	296							
4030	MOD 715A	ARTICULATED	144 HP D	122,081	29.92	37.10	8.69	14.16	5.44	15.69	7.15	306							
4035	MOD 720A	ARTICULATED	148 HP D	129,713	31.55	39.12	9.22	15.02	5.59	16.64	7.35	340							
4040	MOD 740A	ARTICULATED	181 HP D	140,841	35.22	43.72	10.02	16.36	6.84	18.13	8.99	355							
4045	MOD 710	NON-ARTICULATED	125 HP D	103,407	25.52	31.65	7.35	11.98	4.72	13.27	6.21	280							
4050	MOD 715	NON-ARTICULATED	144 HP D	113,928	28.42	35.28	8.10	13.19	5.44	14.62	7.15	285							
4055	MOD 720	NON-ARTICULATED	148 HP D	118,495	29.50	36.63	8.42	13.70	5.59	15.18	7.35	315							
4060	MOD 740	NON-ARTICULATED	181 HP D	129,112	33.12	41.19	9.18	14.95	6.84	16.57	8.99	330							
4065	MOD 760	NON-ARTICULATED	230 HP D	162,185	41.99	52.27	11.48	18.59	8.69	20.58	11.43	390							
<b>FIAT-ALLIS</b>																			
4075	MOD-65B	DIRECT DRIVE	68 HP D	60,480	14.60	18.06	4.32	7.06	2.57	7.82	3.38	135							
4080	MOD-FG75	POWER SHIFT	130 HP D	87,885	22.92	28.54	6.24	10.15	4.91	11.24	6.46	300							
4085	MOD-FG85	POWER SHIFT	145 HP D	96,465	25.29	31.50	6.85	11.13	5.48	12.33	7.20	310							
4090	MOD-FG95	POWER SHIFT	160 HP D	101,313	27.09	33.77	7.17	11.59	6.05	12.83	7.95	330							
<b>GALION</b>																			
4100	MOD 503-L	CONSTANT MESH	68 HP G	51,471	14.84	18.44	3.67	6.00	4.44	6.65	5.75	115							
4105	MOD T-500C	POWER SHIFT	145 HP D	111,090	27.90	34.65	7.91	12.90	5.48	14.30	7.20	281							
4110	MOD A-600	POWER SHIFT	186 HP D	135,215	34.46	42.83	9.62	15.69	7.03	17.39	9.24	321							
<b>HOISTS</b> *****																			
<b>BEEBE - AIR TUGGERS</b>																			
4120	2000P110-24	1.0 T 225 CFM RQD		6,390	1.63		0.48	0.86	0.00		5								
4125	5000P120-24	2.5 T 500 CFM RQD		10,436	2.69		0.78	1.40	0.00		16								
4130	10000P 50-24	5.0 T 500 CFM RQD		12,693	3.36		0.95	1.71	0.00		22								
4135	20000P 50-40	10.0 T 850 CFM RQD		32,820	8.25		2.45	4.40	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															
<b>HOISTS (CONT'D)</b> *****																			
<b>SKAGIT</b>																			
4145	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	76,140	23.18		5.68	10.20	4.10		85									
4150	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	103,195	29.62		7.70	13.83	4.10		126									
4155	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	159,212	44.48		11.88	21.34	5.34		240									
4160	RB-90WDOUBLE DRUM W/1-3/8" CABLE	150 HP D	176,042	49.49		13.13	23.59	6.16		300									
<b>HYDRAULIC EXCAVATOR, CRAWLER MOUNTED</b> *****																			
T/B = TELESCOPING BOOM B/H = BACKHOE																			
<b>AMERICAN</b>																			
4175	MOD 185	1.00 CY B/H 103 HP D	123,886	38.14	51.25	10.01	18.58	3.89	22.57	5.12									
4180	MOD 25A	1.38 CY B/H 185 HP D	202,879	56.81	72.28	15.14	27.17	6.99	31.37	9.19									
4185	MOD 480	2.00 CY B/H 300 HP D	300,414	85.30	108.57	22.42	40.23	11.34	46.45	14.90									
4190	MOD 680	4.00 CY B/H 456 HP D	479,717	126.87	156.24	33.47	58.74	17.24	65.81	22.65									
<b>BADGER (HOPTO)</b>																			
4200	MOD 211	1.25 CY B/H 160 HP D	173,823	48.73	62.02	12.97	23.27	6.05	26.88	7.95									
4205	MOD 311	1.88 CY B/H 235 HP D	248,370	69.93	88.98	18.53	33.26	8.88	38.40	11.67									
4210	MOD 900B	2.00 CY B/H 308 HP D	300,251	80.44	99.16	20.94	36.76	11.64	41.19	15.30									
4215	MOD 1900	5.00 CY B/H 616 HP D	625,939	166.50	205.13	43.67	76.65	23.28	85.86	30.60									
<b>BUCYRUS ERIE</b>																			
4225	MOD 300-H	1.00 CY B/H 176 HP D	193,301	60.31	81.02	15.61	28.99	6.65	35.22	8.74									
4230	MOD 325-H	1.75 CY B/H 205 HP D	266,146	72.81	92.56	19.86	35.64	7.75	41.15	10.18									
4235	MOD 350-H	2.50 CY B/H 248 HP D	334,991	91.17	115.90	24.99	44.85	9.37	51.79	12.32									
4240	MOD 400-H	4.25 CY B/H 392 HP D	560,119	141.65	173.90	39.08	68.58	14.82	76.83	19.47									
<b>CASE</b>																			
4250	MOD 880C "E" BOOM .63 CY B/H 125 HP D		114,562	36.82	49.44	9.25	17.18	4.72	20.87	6.21									
4255	MOD 980B	1.00 CY B/H 165 HP D	140,922	45.88	61.59	11.38	21.13	6.24	25.68	8.20									
										445									

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					
<b>HYDRAULIC EXCAVATOR, CRLR MTD (CONT'D)</b>														
*****														
T/B = TELESCOPING BOOM B/H = BACKHOE														
CASE (CONT'D)														
4260	MOD 1280	1.25 CY	B/H	200 HP D	164,673	48.37	61.64	12.29	22.05	7.56	25.46	9.94	505	
CATERPILLAR														
4270	MOD 215	.75 CY	B/H	90 HP D	138,437	41.31	55.55	11.18	20.76	3.40	25.22	4.47	387	
4275	MOD 225	1.00 CY	B/H	135 HP D	169,085	51.76	69.58	13.65	25.35	5.10	30.81	6.71	504	
4280	MOD 235	1.50 CY	B/H	195 HP D	302,971	81.14	103.10	22.61	40.57	7.37	46.85	9.69	891	
4285	MOD 245	2.50 CY	B/H	325 HP D	471,955	127.35	161.85	35.21	63.19	12.28	72.97	16.15	1385	
GRADALL														
4300	MOD G-660	.63 CY	T/B	115 HP D	170,343	51.06	68.65	13.76	25.55	4.35	31.04	5.71	450	
4305	MOD G-880B	.75 CY	T/B	160 HP D	209,496	63.77	85.70	16.92	31.42	6.05	38.17	7.95	533	
4310	MOD G-1000	1.25 CY	T/B	272 HP D	286,999	80.83	102.85	21.41	38.43	10.28	44.37	13.51	787	
INSLEY														
4325	MOD H1000C	1.25 CY	B/H	180 HP D	161,281	46.64	59.42	12.03	21.59	6.80	24.94	8.94	517	
4330	MOD H2500C	2.25 CY	B/H	290 HP D	289,125	82.15	104.57	21.58	38.72	10.96	44.70	14.41	931	
4335	MOD H3500C	3.50 CY	B/H	390 HP D	406,105	107.58	132.51	28.33	49.73	14.74	55.71	19.38	1276	
JOHN DEERE														
4345	MOD 690 B	.875 CY	B/H	131 HP D	128,115	40.71	54.68	10.35	19.21	4.95	23.34	6.51	430	
4350	MOD 890 A	.50 CY	B/H	210 HP D	259,858	71.53	90.97	19.39	34.79	7.94	40.18	10.43	880	
4355	MOD 990	1.875 CY	B/H	260 HP D	293,040	81.73	103.96	21.86	39.24	9.83	45.31	12.92	910	
KOEHRING														
4365	MOD 166 BANTAM	.88 CY	B/H	108 HP D	128,748	39.69	53.34	10.40	19.31	4.08	23.46	5.37	374	
4370	MOD 266 BANTAM	1.13 CY	B/H	143 HP D	168,549	52.04	69.94	13.61	25.27	5.41	30.72	7.10	514	
4375	MOD 366 BANTAM	1.25 CY	B/H	210 HP D	202,014	57.74	73.50	15.07	27.05	7.94	31.23	10.43	612	
4380	MOD 566	1.50 CY	B/H	240 HP D	293,162	80.84	102.80	21.88	39.26	9.07	45.33	11.92	834	

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															
<b>HYDRAULIC EXCAVATOR, CRLR MTD (CONT'D)</b>																			
*****																			
T/B = TELESCOPING BOOM B/H = BACKHOE																			
<b>KOEHRING (CONT'D)</b>																			
4385	MOD 666E	2.00 CY	B/H	307 HP D	365,315	101.09	128.58	27.25	48.91	11.60	56.48	15.25	1075						
4390	MOD 866E	3.25 CY	B/H	332 HP D	468,964	118.77	145.84	32.72	57.42	12.55	64.33	16.49	1306						
4395	MOD 1066E	4.00 CY	B/H	420 HP D	582,961	147.98	181.74	40.67	71.38	15.88	79.97	20.87	1640						
4400	MOD 1166E	5.00 CY	B/H	464 HP D	649,921	164.79	202.35	45.34	79.58	17.54	89.15	23.05	1890						
4405	MOD 1266	5.50 CY	B/H	664 HP D	944,510	233.99	280.21	63.07	105.72	25.10	115.66	32.99	2600						
4410	MOD 1466	9.00 CY	B/H	832 HP D	1,101,535	275.59	330.33	73.55	123.29	31.45	134.89	41.33	2900						
<b>UNIT</b>																			
4425	MOD H202CT SER II	1.25 CY	B/H	152 HP D	158,591	49.88	67.00	12.81	23.78	5.75	28.90	7.55	475						
4430	MOD H342	1.63 CY	B/H	228 HP D	255,610	71.34	90.76	19.07	34.23	8.62	39.52	11.33	723						
4435	MOD H471	1.75 CY	B/H	304 HP D	316,832	89.40	113.77	23.64	42.43	11.49	48.99	15.10	972						
<b>HYDRAULIC EXCAVATOR, TRUCK MOUNTED</b>																			
*****																			
(HP & FUEL LISTED EQUIP/CARRIER)																			
T/B = TELESCOPING BOOM																			
B/H = BACKHOE																			
<b>GRADALL</b>																			
4445	MOD G-660	.63 CY	T/B	123/235 HP D/G	179,109	37.83	44.89	11.70	19.10	7.56	20.69	9.91	422						
4450	MOD G-880	.75 CY	T/B	160/210 HP D/D	230,142	46.24	54.30	15.04	24.59	8.09	26.63	10.42	530						
4455	MOD G-1000	1.25 CY	T/B	272/312 HP D/D	313,956	62.04	72.08	19.64	30.45	13.43	32.34	17.33	724						
<b>LAND CLEARING EQUIPMENT</b>																			
*****																			
(ADD TO TRACTOR)																			
4465	FLECO LAND CLEARING RAKE FOR	123/235	D/G		21,267	5.14	6.47	1.58	2.85	0.00	3.30	0.00	67						
4470	FLECO LAND CLEARING RAKE FOR	160/210	D/D		28,199	6.80	8.56	2.10	3.78	0.00	4.38	0.00	98						
4475	FLECO LAND CLEARING RAKE FOR	272/312	D/D		41,644	10.04	12.62	3.11	5.60	0.00	6.46	0.00	138						
4480	FLECO CLAMP RAKE FOR CAT 973				21,083	5.24	6.55	1.57	2.83	0.00	3.27	0.00	58						
(ADD TO 977 LOADER)																			

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	FUEL	
					AVERAGE	SEVERE					
	LIGHTING SETS, TRAILER MOUNTED *****										
	ALLMAND METALLIC VAPOR										
4490	MAXI-LITE III 4/1000W	15 HP D	15,045	6.87			1.21	2.22	0.81		29
	OVER-LOWE METALLIC VAPOR										
4500	TM 352 2/1000W	3 KW	6 HP D	11,771	4.98		0.94	1.73	0.32		17
4505	TM 354 4/1000W	6 KW	12 HP D	15,544	6.88		1.25	2.30	0.65		22
4510	TM 356 6/1000W	8 KW	15 HP D	18,249	8.13		1.46	2.70	0.81		24
	LOADERS, BELT *****										
	KOLMAN										
4520	101XHD 24"X50' 355 T/HR	28 HP D	33,860	10.48	13.57	2.51	4.26	1.15	4.87	1.51	116
	OPTIONAL EQUIPMENT SELECT AS NEEDED										
4530	PLATE FEEDER DOZER TRAP MODEL 45		6,580	1.63	2.06	0.49	0.86	0.00	0.99	0.00	37
4535	BELT FEEDER DOZER TRAP MODEL 65		7,853	1.95	2.45	0.60	1.03	0.00	1.18	0.00	36
4540	WING WALLS STATIONARY		1,532	0.38	0.48	0.12	0.20	0.00	0.23	0.00	9
4545	TUNNEL EXTENSION W/WING WALLS		7,965	1.97	2.49	0.60	1.04	0.00	1.20	0.00	61
4550	SINGLE DECK SCREEN SB-70 7'X42		5,993	1.48	1.87	0.45	0.78	0.00	0.90	0.00	19
4555	DOUBLE DECK SCREEN DC-70-42 7'X42		7,414	1.84	2.32	0.56	0.97	0.00	1.12	0.00	27
4560	TRIPLE DECK SCREEN TC-70-42 7'X42		10,623	2.63	3.31	0.80	1.39	0.00	1.59	0.00	34
4565	XHD CONVEYOR JACKLEG		1,120	0.27	0.34	0.08	0.14	0.00	0.16	0.00	9
4570	101XHD 30"X50' 615 T/HR	42 HP D	36,897	12.11	15.79	2.72	4.62	1.72	5.30	2.27	135
	OPTIONAL EQUIPMENT SELECT AS NEEDED										
4580	PLATE FEEDER DOZER TRAP MODEL 45		7,747	1.91	2.43	0.58	1.01	0.00	1.17	0.00	42
4585	BELT FEEDER DOZER TRAP MODEL 65		8,371	2.07	2.61	0.63	1.09	0.00	1.25	0.00	40
4590	WING WALLS STATIONARY		1,532	0.38	0.48	0.12	0.20	0.00	0.23	0.00	9
4595	TUNNEL EXTENSION W/WING WALLS		7,965	1.97	2.49	0.60	1.04	0.00	1.20	0.00	61
4600	SINGLE DECK SCREEN SB-80 8'X48		6,871	1.70	2.15	0.52	0.90	0.00	1.04	0.00	23

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>LOADERS, BELT (CONT'D)</b> *****														
<b>KOLMAN (CONT'D)</b>														
4605	DOUBLE DECK SCREEN DC-80-48 8'X48	9,625	2.38	3.00	0.73	1.26	0.00	1.44	0.00	35				
4610	TRIPLE DECK SCREEN TC-80-48 8'X48	12,018	2.97	3.75	0.90	1.57	0.00	1.80	0.00	43				
4615	XHD CONVEYOR JACKLEG	1,120	0.27	0.34	0.08	0.14	0.00	0.16	0.00	9				
4620	101XHD 36"X50' 910 T/HR 56 HP D	42,553	14.50	18.93	3.13	5.29	2.30	6.05	3.02	160				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4630	PLATE FEEDER DOZER TRAP MODEL 45	8,215	2.04	2.56	0.62	1.08	0.00	1.23	0.00	45				
4635	BELT FEEDER DOZER TRAP MODEL 65	8,937	2.21	2.79	0.68	1.17	0.00	1.34	0.00	42				
4640	WING WALLS STATIONARY	1,532	0.38	0.48	0.12	0.20	0.00	0.23	0.00	9				
4645	TUNNEL EXTENSION W/WING WALLS	7,965	1.97	2.49	0.60	1.04	0.00	1.20	0.00	61				
4650	SINGLE DECK SCREEN SB-90 9'X54	8,003	1.97	2.50	0.60	1.04	0.00	1.20	0.00	28				
4655	DOUBLE DECK SCREEN DC-90-54 9'X54	11,540	2.85	3.60	0.86	1.50	0.00	1.73	0.00	43				
4660	TRIPLE DECK SCREEN TC-90-54 9'X54	14,779	3.66	4.62	1.11	1.93	0.00	2.22	0.00	54				
4665	XHD CONVEYOR JACKLEG	1,120	0.27	0.34	0.08	0.14	0.00	0.16	0.00	9				
4670	101XHD 42"X50' 1260 T/HR 84 HP D	54,245	19.31	25.26	3.99	6.73	3.45	7.69	4.54	180				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4680	PLATE FEEDER DOZER TRAP MODEL 45	9,482	2.35	2.97	0.72	1.24	0.00	1.43	0.00	48				
4685	BELT FEEDER DOZER TRAP MODEL 65	11,909	2.95	3.72	0.90	1.56	0.00	1.79	0.00	45				
4690	WING WALLS STATIONARY	1,532	0.38	0.48	0.12	0.20	0.00	0.23	0.00	9				
4695	TUNNEL EXTENSION W/WING WALLS	7,965	1.97	2.49	0.60	1.04	0.00	1.20	0.00	61				
4700	SINGLE DECK SCREEN SB-100 60"X10'	10,359	2.57	3.24	0.78	1.36	0.00	1.56	0.00	37				
4705	DOUBLE DECK SCREEN DC-100 60"X10'	13,474	3.33	4.21	1.01	1.76	0.00	2.03	0.00	55				
4710	TRIPLE DECK SCREEN TC-100 60"X10'	20,357	5.04	6.35	1.53	2.66	0.00	3.05	0.00	68				
4715	XHD CONVEYOR JACKLEG	1,120	0.27	0.34	0.08	0.14	0.00	0.16	0.00	9				
4720	101XHD 48"X50' 1700 T/HR 128 HP D	93,339	31.49	40.87	6.91	11.76	5.25	13.47	6.91	265				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4730	PLATE FEEDER DOZER TRAP MODEL 45	13,267	3.28	4.14	1.00	1.73	0.00	1.99	0.00	51				
4735	WING WALLS STATIONARY	1,532	0.38	0.48	0.12	0.20	0.00	0.23	0.00	9				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
<b>LOADERS, BELT (CONT'D)</b> *****																			
<b>KOLMAN (CONT'D)</b>																			
4740	TUNNEL EXTENSION W/WING WALLS	8,476	2.10	2.64	0.64	1.11	0.00	1.27	0.00	66									
4745	SINGLE DECK SCREEN SB-120 60"X12"	12,480	3.09	3.90	0.94	1.63	0.00	1.88	0.00	53									
4750	DOUBLE DECK SCREEN DC-120 60"X12"	18,302	4.54	5.71	1.38	2.40	0.00	2.74	0.00	77									
4755	TRIPLE DECK SCREEN TC-120 60"X12"	25,054	6.20	7.82	1.89	3.28	0.00	3.76	0.00	80									
4760	XHD CONVEYOR JACKLEG	1,120	0.27	0.34	0.08	0.14	0.00	0.16	0.00	9									
4765	303 48"X50' 2000 CY/HR	125 HP D	158,817	50.13	65.55	11.69	19.74	5.13	22.56	6.75									
4770	303 48"X60' 2000 CY/HR	185 HP D	176,247	57.67	75.31	12.99	21.99	7.59	25.15	9.99									
4775	303 60"X50' 3600 CY/HR	185 HP D	182,069	60.92	80.28	13.35	22.42	7.59	25.61	9.99									
4780	303 60"X60' 3600 CY/HR	290 HP D	208,817	74.23	97.95	15.30	25.69	11.90	29.35	15.66									
4785	404 48"X50' 2000 CY/HR	185 HP D	194,652	62.15	80.89	14.39	24.42	7.59	27.94	9.99									
4790	404 48"X60' 2000 CY/HR	185 HP D	205,666	64.95	84.51	15.21	25.84	7.59	29.58	9.99									
4795	404 60"X50' 3600 CY/HR	290 HP D	232,708	78.97	103.34	17.16	29.05	11.90	33.21	15.66									
4800	404 60"X60' 3600 CY/HR	290 HP D	256,961	86.15	112.98	18.93	31.99	11.90	36.58	15.66									
<b>OPTIONAL EQUIPMENT SELECT AS NEEDED</b>																			
4810	SINGLE DECK SCREEN SB-120 72"X12"		15,963	3.95	4.99	1.21	2.09	0.00	2.40	0.00									
4815	DOUBLE DECK SCREEN DC-120 72"X12"		21,230	5.25	6.63	1.59	2.77	0.00	3.19	0.00									
4820	TRIPLE DECK SCREEN TC-120 72"X12"		24,096	5.96	7.53	1.82	3.15	0.00	3.62	0.00									
4825	SINGLE DECK VIBRATING GRIZZLE 72"W		24,149	5.98	7.54	1.82	3.16	0.00	3.63	0.00									
<b>LOADERS, FRONT END, CRAWLER TYPE</b> *****																			
<b>CASE</b>																			
4835	350 B 3/4 CY	39 HP D	44,528	15.46	19.26	3.32	5.97	1.73	6.91	2.27									
4840	450 B 1 CY	53 HP D	55,847	19.64	24.50	4.16	7.50	2.35	8.67	3.09									
4845	850C 1-1/2 CY	78 HP D	75,762	27.00	33.72	5.65	10.17	3.45	11.75	4.55									
4850	1150 C 1-3/4 CY	105 HP D	101,248	36.14	45.12	7.55	13.59	4.65	15.70	6.12									
4855	1450 B 2-1/4 CY	140 HP D	118,117	43.23	54.05	8.80	15.85	6.20	18.32	8.16									

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					
<b>LOADERS, F.E., CRAWLER TYPE (CONT'D)</b> *****														
CATERPILLAR														
4865	931B	1 CY	65 HP D	51,278	19.02	23.80	3.82	6.88	2.88	7.95	3.79	171		
4870	943	1-1/2 CY	80 HP D	89,316	31.11	38.80	6.66	11.99	3.54	13.86	4.67	255		
4875	953	2 CY	110 HP D	109,257	38.80	48.43	8.15	14.67	4.87	16.94	6.42	300		
4880	963	2-1/2 CY	150 HP D	143,867	51.39	64.19	10.72	19.31	6.64	22.32	8.75	394		
4885	973	3-3/4 CY	210 HP D	210,888	74.74	93.29	15.72	28.31	9.30	32.71	12.25	534		
FIAT-ALLIS														
4895	FL5	1 CY	63 HP D	48,335	18.04	22.58	3.60	6.49	2.79	7.50	3.67	165		
4900	FL7	1-1/4 CY	78 HP D	57,174	21.54	26.99	4.26	7.67	3.45	8.87	4.55	198		
4905	FL9	1-5/8 CY	87 HP D	69,025	25.57	32.01	5.14	9.26	3.85	10.71	5.07	272		
4910	FL10C	2 CY	122 HP D	86,046	32.71	40.98	6.41	11.55	5.40	13.34	7.12	310		
4915	FL14C	2-5/8 CY	150 HP D	113,163	42.38	53.06	8.43	15.19	6.64	17.55	8.75	410		
4920	FL20	3-1/2 CY	223 HP D	158,390	60.12	75.33	11.80	21.26	9.87	24.57	13.01	605		
INTERNATIONAL														
4930	100-E	1-1/8 CY	65 HP D	58,277	21.08	26.34	4.34	7.82	2.88	9.04	3.79	161		
4935	125-E	1-3/8 CY	78 HP D	69,932	25.29	31.62	5.21	9.39	3.45	10.85	4.55	199		
4940	175-C	2 CY	130 HP D	108,814	39.90	49.88	8.12	14.61	5.76	16.88	7.58	338		
4945	250-C	2-3/4 CY	190 HP D	155,209	57.18	71.51	11.57	20.84	8.41	24.07	11.08	452		
JOHN DEERE														
4955	JD350-C	3/4 CY	42 HP D	43,239	15.26	19.04	3.22	5.80	1.86	6.70	2.45	119		
4960	JD455-D	1-1/4 CY	67 HP D	57,606	21.02	26.25	4.30	7.74	2.97	8.93	3.91	172		
4965	JD555-A	1-3/8 CY	78 HP D	70,495	25.45	31.81	5.25	9.46	3.45	10.93	4.55	188		
KOMATSU														
4975	D31S-17	1.3 CY	66 HP D	51,263	19.08	23.88	3.82	6.88	2.92	7.95	3.85	156		
4980	D41S-3	1.6 CY	90 HP D	71,102	26.37	33.00	5.30	9.54	3.99	11.03	5.25	262		
4985	D53S-16	1.8 CY	110 HP D	89,379	32.95	41.23	6.66	11.99	4.87	13.86	6.42	300		

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								
	LOADERS, F.E., CRAWLER TYPE (CONT'D)											
	KOMATSU (CONT'D)											
4990	D57S-1	2.1 CY	135 HP D	108,759	40.18	50.26	8.11	14.60	5.98	16.87	7.87	337
4995	D75S-3	3.3 CY	200 HP D	154,108	57.48	71.91	11.49	20.69	8.86	23.90	11.66	485
5000	D155S-1	5.9 CY	350 HP D	306,231	111.29	139.10	22.83	41.11	15.50	47.50	20.41	950
	LOADERS, FRONT END, WHEEL TYPE											
	(ARTIC = ARTICULATED)											
	BOBCAT											
5010	MOD 310	5 CWT. SKID STEER	16 HP G	9,116	3.58	4.59	0.68	1.17	1.13	1.34	1.47	18
5015	MOD 313	5 CWT. SKID STEER	13 HP D	10,588	3.17	4.04	0.79	1.36	0.53	1.56	0.70	19
5020	MOD 540	8 CWT. SKID STEER	23 HP G	13,120	5.12	6.51	0.99	1.70	1.62	1.94	2.12	31
5025	MOD 543	8 CWT. SKID STEER	22 HP D	14,586	4.58	5.80	1.09	1.88	0.90	2.16	1.19	33
5030	MOD 641	10 CWT. SKID STEER	28 HP D	17,209	5.53	7.01	1.29	2.22	1.15	2.55	1.51	39
5035	MOD 642	10 CWT. SKID STEER	32 HP G	16,042	6.62	8.43	1.20	2.07	2.26	2.38	2.94	38
5040	MOD 742	13 CWT. SKID STEER	34 HP G	18,505	7.35	9.34	1.39	2.39	2.40	2.74	3.13	45
5045	MOD 743	13 CWT. SKID STEER	36 HP D	19,786	6.56	8.32	1.48	2.55	1.48	2.93	1.94	46
5050	MOD 843	17 CWT. SKID STEER	54 HP D	25,568	9.02	11.58	1.90	3.26	2.22	3.75	2.92	63
5055	MOD 974	37 CWT. SKID STEER	78 HP D	47,125	15.73	20.52	3.48	5.89	3.20	6.74	4.21	121
	CASE											
5065	W-11	3/4 CY ARTIC	55 HP D	50,318	14.63	18.49	3.77	6.49	2.26	7.43	2.97	89
5070	W-14	1-1/4 CY ARTIC	83 HP D	66,782	20.16	25.70	4.98	8.54	3.41	9.79	4.48	137
5075	W-18 B	1-3/4 CY ARTIC	103 HP D	86,572	25.76	32.70	6.47	11.12	4.23	12.75	5.56	194
5080	W-20 C	2 CY ARTIC	110 HP D	90,940	27.36	34.97	6.78	11.61	4.51	13.30	5.94	212
5085	W-24 C	2-1/2 CY ARTIC	132 HP D	110,950	33.09	42.11	8.28	14.21	5.42	16.29	7.13	216
5090	W-36	3-1/2 CY ARTIC	185 HP D	150,019	44.69	56.41	11.24	19.39	7.59	22.24	9.99	340

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					
<b>LOADERS, F.E., WHEEL TYPE (CONT'D)</b> *****														
<b>CATERPILLAR</b>														
5100	910	1-1/4 CY ARTIC	65 HP D	58,624	17.37	22.25	4.36	7.46	2.67	8.54	3.51	145		
5105	920	1-3/4 CY ARTIC	80 HP D	75,512	22.00	28.02	5.63	9.66	3.28	11.07	4.32	186		
5110	930	2-1/4 CY ARTIC	100 HP D	86,229	25.72	32.92	6.42	10.99	4.10	12.59	5.40	212		
5115	950-B	3 CY ARTIC	155 HP D	135,411	39.69	50.12	10.14	17.48	6.36	20.04	8.37	328		
5120	966-D	4 CY ARTIC	200 HP D	184,504	54.65	70.29	13.70	23.37	8.21	26.76	10.80	426		
5125	980-C	5-1/4 CY ARTIC	270 HP D	245,645	67.24	85.80	16.87	28.98	11.08	32.37	14.58	598		
5130	988-B	7 CY ARTIC	375 HP D	353,672	95.27	122.06	24.08	40.91	15.39	45.64	20.25	892		
5135	992-C	13 CY ARTIC	690 HP D	720,568	192.14	248.55	48.81	82.36	28.32	91.80	37.26	1916		
<b>CLARK</b>														
5145	35C	1-1/4 CY	82 HP D	66,183	20.04	25.62	4.93	8.44	3.37	9.67	4.43	177		
5150	45C	1-1/2 CY	107 HP D	77,341	23.97	30.59	5.77	9.89	4.39	11.34	5.78	199		
5155	55C	2 CY ARTIC	121 HP D	89,805	27.75	35.49	6.69	11.45	4.97	13.12	6.53	247		
5160	75C	2-1/2 CY ARTIC	154 HP D	128,213	38.89	50.11	9.52	16.22	6.32	18.57	8.32	313		
5165	125C	3-1/2 CY ARTIC	210 HP D	174,033	53.19	68.87	12.89	21.90	8.62	25.05	11.34	437		
5170	175C	4-1/2 CY ARTIC	273 HP D	233,817	65.05	83.24	16.04	27.53	11.20	30.76	14.74	565		
5175	275C	6-1/2 CY ARTIC	360 HP D	333,380	89.32	113.40	22.80	38.97	14.77	43.50	19.44	864		
5180	475C	12 CY ARTIC	612 HP D	630,072	167.36	215.10	42.82	72.57	25.12	80.93	33.05	1689		
<b>FIAT-ALLIS</b>														
5190	345-B	1-1/2 CY ARTIC	80 HP D	60,434	18.59	23.80	4.50	7.70	3.28	8.83	4.32	151		
5195	FR-10	2-1/4 CY ARTIC	102 HP D	77,154	23.61	30.04	5.76	9.89	4.19	11.33	5.51	212		
5200	FR-12	2-1/2 CY ARTIC	120 HP D	84,813	26.58	34.06	6.32	10.81	4.92	12.37	6.48	230		
5205	FR-15	3 CY ARTIC	155 HP D	118,116	36.78	47.60	8.75	14.88	6.36	17.03	8.37	296		
5210	FR-20	4-1/2 CY ARTIC	215 HP D	181,660	55.17	71.34	13.46	22.89	8.82	26.19	11.61	445		
5215	945-B	6 CY ARTIC	335 HP D	275,036	76.37	97.92	18.73	31.82	13.75	35.50	18.09	666		

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															
<b>LOADERS, F.E., WHEEL TYPE (CONT'D)</b> *****																			
FORD																			
5225	445	3/4 CY	48 HP D	27,774	9.28	11.95	2.06	3.51	1.97	4.01	2.59	73							
5230	555	1 CY	55 HP D	33,772	11.02	14.15	2.51	4.29	2.26	4.91	2.97	78							
5235	A-62	1-1/2 CY	88 HP D	69,666	21.17	27.02	5.20	8.90	3.61	10.19	4.75	173							
5240	A-64	2 CY ARTIC	107 HP D	84,341	25.71	32.95	6.28	10.74	4.39	12.31	5.78	228							
5245	A-66	2-1/2 CY ARTIC	136 HP D	117,890	34.68	43.88	8.82	15.19	5.58	17.42	7.34	256							
INTERNATIONAL																			
5255	510B	1-3/8 CY	80 HP D	56,666	18.37	24.19	4.16	6.99	3.28	7.98	4.32	140							
5260	515B	1-5/8 CY	100 HP D	69,822	22.08	28.45	5.19	8.85	4.10	10.13	5.40	167							
5265	520B	2-1/4 CY ARTIC	120 HP D	83,251	26.28	33.74	6.20	10.59	4.92	12.12	6.48	232							
5270	530	2-3/4 CY ARTIC	155 HP D	120,192	36.30	45.98	9.00	15.49	6.36	17.77	8.37	291							
5275	540	3-3/4 CY ARTIC	189 HP D	164,844	49.83	64.51	12.20	20.73	7.76	23.72	10.21	360							
5280	550	5-1/4 CY ARTIC	209 HP D	229,107	66.69	86.90	16.92	28.61	8.58	32.71	11.29	544							
5285	560B	7-1/2 CY ARTIC	415 HP D	335,153	92.60	117.69	22.92	39.18	17.03	43.75	22.41	830							
5290	570	12 CY ARTIC	590 HP D	644,085	167.03	211.97	44.03	75.22	24.21	83.98	31.86	1350							
JOHN DEERE																			
5300	300B	3/4 CY	43 HP D	26,156	8.49	10.85	1.95	3.34	1.76	3.83	2.32	69							
5305	444C	1-1/2 CY	85 HP D	70,065	21.08	26.90	5.22	8.95	3.49	10.25	4.59	179							
5310	544C	2 CY ARTIC	105 HP D	84,413	25.34	32.10	6.32	10.87	4.31	12.45	5.67	197							
5315	644C	3 CY ARTIC	145 HP D	120,145	36.28	46.50	8.94	15.28	5.95	17.50	7.83	260							
5320	844	4-1/2 CY ARTIC	260 HP D	216,505	60.92	78.25	14.83	25.41	10.67	28.38	14.04	490							
KAWASAKI																			
5330	KSS-65Z	2.2 CY	104 HP D	71,814	22.76	29.29	5.34	9.11	4.27	10.42	5.62	220							
5335	KSS-70	3.0 CY	158 HP D	99,216	31.82	40.48	7.42	12.76	6.48	14.63	8.53	305							
5340	KSS-80	4.0 CY	187 HP D	130,080	41.69	54.22	9.62	16.30	7.67	18.64	10.10	390							
5345	KSS-95Z11	5.5 CY	305 HP D	194,075	59.04	76.51	13.25	22.62	12.52	25.25	16.47	615							

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															
<b>LOADERS, F.E., WHEEL TYPE (CONT'D)</b>																			
*****																			
TEREX (GM)																			
5355	33C	2 CY	103 HP D	73,729	23.13	29.74	5.48	9.36	4.23	10.71	5.56	216							
5360	44C	2-1/2 CY	113 HP D	83,973	25.98	33.29	6.25	10.69	4.64	12.25	6.10	250							
5365	55C	3-1/4 CY	144 HP D	117,000	34.96	44.27	8.76	15.08	5.91	17.29	7.78	280							
5370	66C	4 CY	210 HP D	157,251	49.12	63.50	11.65	19.82	8.62	22.69	11.34	425							
5375	80C	5-1/2 CY	307 HP D	233,704	66.85	85.60	16.03	27.52	12.60	30.74	16.58	590							
5380	90B	7-1/2 CY	388 HP D	339,874	92.10	116.90	23.25	39.76	15.92	44.39	20.95	845							
TROJAN																			
5390	1500	1-3/4 CY ARTIC	85 HP D	75,097	22.21	28.29	5.61	9.61	3.49	11.00	4.59	180							
5395	1900	2-1/4 CY ARTIC	117 HP G	86,226	30.80	39.47	6.42	10.99	8.26	12.59	10.77	212							
5400	2000	3 CY ARTIC	149 HP D	120,326	35.98	45.54	9.01	15.51	6.11	17.78	8.05	306							
5405	2500	4 CY ARTIC	182 HP D	149,342	45.69	59.10	11.06	18.81	7.47	21.53	9.83	393							
5410	4000	4-1/4 CY ARTIC	203 HP D	163,309	50.40	65.40	12.09	20.50	8.33	23.44	10.96	410							
5415	5500	5-1/2 CY ARTIC	285 HP D	236,128	67.06	86.67	16.14	27.57	11.70	30.78	15.39	616							
5420	7500	7 CY ARTIC	400 HP D	310,501	86.90	110.82	21.20	36.16	16.42	40.36	21.60	846							
<b>LOADER/BACKHOE, WHEEL TYPE TRACTOR</b>																			
*****																			
CASE																			
5430	480D LDR/BHOE	7/8 CY FE BUCKET 24" B/H DIPPER	47 HP D	44,439	13.11	16.38	3.32	5.72	1.93	6.57	2.54	100							
5435	580D LDR/BHOE	1.0 CY FE BUCKET 24" B/H DIPPER	55 HP D	51,802	15.28	19.08	3.88	6.69	2.26	7.68	2.97	115							
5440	680H LDR/BHOE	1-1/4 CY FE BUCKET 30" B/H DIPPER	80 HP D	79,631	23.28	29.05	5.96	10.26	3.28	11.77	4.32	165							
5445	780B LDR/BHOE	1-3/4 CY FE BUCKET 30" B/H DIPPER	111 HP D	94,190	28.39	35.46	7.06	12.17	4.56	13.96	5.99	200							

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					
<b>LOADER/BH, WHL. TYPE TRACTOR (CONT'D)</b> *****														
<b>JOHN DEERE</b>														
5455	410B LDR/BH	1 CY FE BUCKET 24" B/H DIPPER	62 HP D	53,175	16.22	20.34	3.95	6.75	2.54	7.73	3.35	138		
5460	510 LDR/BHOE	1-1/8 CY FE BUCKET 24" B/H DIPPER	80 HP D	77,021	22.77	28.43	5.75	9.87	3.28	11.30	4.32	205		
5465	710B LDR/BHOE	1-1/2 CY FE BUCKET 30" B/H DIPPER	100 HP D	84,893	25.62	32.03	6.35	10.93	4.10	12.54	5.40	220		
<b>LOADER/BACKHOE, CRLR TYPE TRACTOR</b> *****														
<b>CASE</b>														
5475	350B LDR/BHOE	3/4 CY FE BUCKET 24" B/H DIPPER	39 HP D	60,658	20.20	25.10	4.52	8.14	1.73	9.41	2.27	141		
5480	450B LDR/BHOE	1 CY FE BUCKET 24" B/H DIPPER	53 HP D	72,209	24.45	30.42	5.39	9.70	2.35	11.20	3.09	167		
<b>CATERPILLAR</b>														
5490	931BLDR/BHOE	1 CY FE BUCKET 30" B/H DIPPER	65 HP D	65,288	23.14	28.88	4.87	8.77	2.88	10.13	3.79	207		
<b>LOADER/BACKHOE ATTACHMENTS</b> *****														
HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE OR HYDRAULIC EXCAVATOR (ADD TO THE BASIC LOADER-BACKHOE OR EXCAVATOR)														
5500	KENT RAM 555 W/NARROW CHISEL			5,338	2.51		0.47	0.93	0.00		6			
5505	KENT RAM 999 W/NARROW CHISEL			11,045	5.21		0.99	1.94	0.00		10			
5510	KENT RAM 2000 W/CHISEL-MIN 3/4CY B/H			21,450	10.06		1.93	3.77	0.00		22			
5515	KENT KHP-12 HYDRA-PAK TAMPER			5,659	2.36		0.50	0.99	0.00		9			
5520	KENT KHP-25 HYDRA-PAK MIN 3/4CY B/H			8,892	3.67		0.80	1.56	0.00		15			

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		
	PILE EXTRACTORS *****										
	MKT CORPORATION										
5530	E2      700 FT-LBS	400CFM A	15,527	6.02		1.40	2.73	0.00		27	
5535	E4      1000 FT-LBS	550CFM A	23,554	9.07		2.11	4.13	0.00		47	
	VULCAN										
5545	400A      500 FT-LBS	450CFM A	19,844	7.65		1.78	3.49	0.00		30	
5550	800A      1000 FT-LBS	900CFM A	26,358	10.29		2.36	4.63	0.00		57	
5555	1200A      1640 FT-LBS	1350CFM A	31,788	12.61		2.84	5.58	0.00		97	
	PILE HAMMERS, DIESEL ***** (FUEL NOT INCLUDED)										
	MKT CORPORATION										
5565	DE-30B/20B      (6-FT) 12,000 FT-LBS		39,319	14.62		3.52	6.90	0.00		74	
5570	DE-30B/20B      (6-FT) 16,800 FT-LBS		43,926	16.33		3.93	7.71	0.00		82	
5575	DE-70B/50B      (6-FT) 30,000 FT-LBS		72,233	26.81		6.47	12.69	0.00		138	
5580	DE-70B/50B      (6-FT) 42,000 FT-LBS		77,037	28.59		6.90	13.53	0.00		158	
	PILE HAMMERS, SINGLE ACTING *****										
	VULCAN										
5590	1      15000 FT-LBS	750CFM A	40,781	15.55		3.65	7.16	0.00		101	
5595	06      19500 FT-LBS	900CFM A	46,838	17.87		4.20	8.23	0.00		121	
5600	08      26000 FT-LBS	1100CFM A	54,795	20.93		4.91	9.63	0.00		175	
5605	010      32500 FT-LBS	1350CFM A	60,114	23.04		5.39	10.56	0.00		195	
5610	012      39000 FT-LBS	1500CFM A	68,274	25.96		6.12	12.00	0.00		287	
5615	014      42000 FT-LBS	1750CFM A	80,209	30.70		7.18	14.09	0.00		283	
5620	016      48750 FT-LBS	1750CFM A	92,666	35.32		8.30	16.28	0.00		320	
5625	020      60000 FT-LBS	2150CFM A	124,007	47.13		11.11	21.78	0.00		425	
5630	030      90000 FT-LBS	2350CFM A	178,729	67.52		16.01	31.40	0.00		575	

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			
PILE HAMMERS, DOUBLE ACTING										
*****										
MKT CORPORATION										
5640	9-B-3	8750 FT-LBS	900CFM A	31,861	12.33		2.86	5.60	0.00	74
5645	10-B-3	13100 FT-LBS	1200CFM A	36,884	14.35		3.31	6.48	0.00	114
5650	11-B-3	19150 FT-LBS	1200CFM A	48,911	18.79		4.38	8.59	0.00	141
5655	6 (SELF STOP)	1000 FT-LBS	375CFM A	11,821	4.65		1.06	2.08	0.00	17
5660	6 (SELF STOP)	2500 FT-LBS	600CFM A	15,197	5.99		1.37	2.67	0.00	31
5665	7 (SELF STOP)	4150 FT-LBS	750CFM A	19,303	7.61		1.73	3.39	0.00	50
VULCAN										
5675	50C	15100 FT-LBS	1250CFM A	52,490	20.14		4.70	9.22	0.00	153
5680	65C	19200 FT-LBS	1450CFM A	59,565	22.91		5.34	10.47	0.00	153
5685	80C	24450 FT-LBS	1750CFM A	64,439	24.87		5.77	11.32	0.00	184
5690	100C	32900 FT-LBS	2050CFM A	79,114	30.47		7.09	13.90	0.00	232
5695	140C	36000 FT-LBS	2150CFM A	97,039	37.16		8.70	17.05	0.00	287
5700	200C	50200 FT-LBS	2550CFM A	137,614	52.41		12.33	24.18	0.00	398
PILE HAMMERS, VIBRATORY										
*****										
MKT CORPORATION										
5710	V5	WITH POWER PACK	59 HP D	68,402	28.51		6.12	12.01	2.42	110
5715	V16	WITH POWER PACK	156 HP D	128,723	56.11		11.54	22.62	6.40	215
5720	V20	WITH POWER PACK	295 HP D	186,753	85.12		16.73	32.81	12.11	257
5725	V30	WITH POWER PACK	550 HP D	200,581	104.04		17.97	35.23	22.57	350
5730	V36	WITH POWER PACK	650 HP D	251,665	128.39		22.54	44.21	26.68	450

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.	SEVERE OWNER-SHIP	COND.		
			AVERAGE	SEVERE							
	PIPELAYER *****										
	CATERPILLAR										
5740	561D 15 FT BOOM, 40,000 LB CAP 105 HP D	126,845	27.83	33.83	9.29	14.39	2.38	15.81	3.06	357	
5745	571G 18 FT BOOM, 60,000 LB CAP 200 HP D	200,455	45.05	54.87	14.68	22.73	4.54	24.99	5.83	502	
5750	572G 18 FT BOOM, 90,000 LB CAP 200 HP D	228,835	50.53	61.48	16.76	25.95	4.54	28.53	5.83	605	
5755	583K 20 FT BOOM, 140,000 LB CAP 300 HP D	288,076	65.14	79.37	21.09	32.67	6.80	35.91	8.75	905	
5760	594H 24 FT BOOM, 200,000 LB CAP 410 HP D	402,014	90.64	110.41	29.44	45.59	9.30	50.11	11.96	1229	
	PUMPS, GROUT *****										
	CHEMGROUT										
5770	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	13,264	4.15		1.07	2.05	0.00			11	
5775	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,921	1.59		0.39	0.76	0.00			5	
5780	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	19,617	6.23		1.58	3.03	0.00			18	
5785	CG-620 COLLOIDAL ADD-ON TO CG-500	8,555	2.63		0.69	1.33	0.00			11	
	PUMPS, WATER (FOR CORE DRILLS) *****										
	LONGYEAR										
5795	520 RQG 5.7-20 GPM UP TO 600PSI 10 HP G	7,195	2.97		0.54	0.94	0.97			7	
5800	535 RQG 9.9-35 GPM UP TO 800PSI 15 HP G	9,118	4.08		0.69	1.20	1.46			10	
	PUMPS, WATER, CENTRIFUGAL, DEWATERING *****										
	HOMELITE - SKID MOUNTED										
5810	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	512	0.37		0.04	0.07	0.19			1	
5815	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	653	0.54		0.05	0.09	0.29			1	
5820	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	1,215	1.32		0.09	0.16	0.78			2	

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					
<b>PUMPS, WATER, CENTRIF, DEWATER (CONT'D)</b> *****														
<b>MARLOW - WHEEL MOUNTED</b>														
5830	MOD 4D2 465 GPM @ 20' HEAD	43 HP G	9,640	7.79		0.73	1.26	4.19		14				
5835	MOD 4C7 595 GPM @ 20' HEAD	30 HP D	5,590	3.68		0.42	0.73	1.72		10				
5840	MOD 6E4A 1100 GPM @ 20' HEAD	79 HP G	12,690	13.13		0.96	1.66	7.69		15				
5845	MOD 6E4A 1100 GPM @ 20' HEAD	60 HP D	18,331	9.04		1.38	2.40	3.43		24				
5850	MOD 8FA3 2320 GPM @ 20' HEAD	70 HP D	23,392	11.02		1.76	3.06	4.01		23				
5855	MOD 10FA61 2775 GPM @ 20' HEAD	68 HP D	24,976	11.23		1.88	3.27	3.89		30				
<b>PUMPS, WATER, CENTRIFUGAL, TRASH</b> *****														
<b>HOMELITE - SKID MOUNTED</b>														
5865	MOD 121TP 2" - 11500 GPH @ 20' H	5 HP G	1,034	0.90		0.08	0.14	0.49		1				
5870	MOD 120 3" - 23000 GPH @ 20' H	8 HP G	1,429	1.37		0.11	0.19	0.78		2				
5875	MOD 160TP 4" - 36500 GPH @ 20' H	16 HP G	2,926	2.75		0.23	0.39	1.56		4				
<b>PUMPS, WATER, DIAPHRAGM</b> *****														
<b>HOMELITE - SKID MOUNTED</b>														
5885	MOD 111DP 2" - 1900 GPH @ 10' HD	3 HP G	1,287	0.68		0.10	0.17	0.29		1				
5890	MOD 111DP 3" - 4800 GPH @ 10' HD	3 HP G	1,458	0.72		0.11	0.19	0.29		2				
<b>PUMPS, WATER, SUBMERSIBLE</b> *****														
<b>GORMAN-RUPP</b>														
5900	MOD S2A1 2" - 138 GPM @ 20' HD	2 HP E	1,760	0.48		0.13	0.23	0.11		2				
5905	MOD S3A1 3" - 278GPM @ 20' HD	5 HP E	2,517	0.85		0.19	0.33	0.27		3				
5910	MOD S4A1 4" - 860 GPM @ 40' HD	25 HP E	8,974	3.60		0.68	1.17	1.35		12				
5915	MOD S6A1 6" - 1950 GPM @ 40' HD	60 HP E	11,658	6.82		0.88	1.52	3.24		14				

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					
<b>PUMPS, WATER, SUBMERSIBLE (CONT'D)</b> *****														
<b>HOMELITE</b>														
5925	MOD SP200 2" - 13000 GPH @ 10' HD 2 HP E	1,412	0.41		0.11	0.18	0.11			1				
5930	MOD SP300 3" - 19000 GPH @ 15' HD 4 HP E	1,742	0.64		0.13	0.23	0.22			1				
<b>RIPPER &amp; HYDRAULIC BANK SLOPER</b> ***** (DOES NOT INCLUDE COST OF POINT WEAR)														
<b>ATECO</b>														
5940	LPAF-D8K PARALLEL LIFT	28,668	8.20	11.03	2.30	4.44	0.00	5.44	0.00	101				
5945	D-8K SHANKS EA	2,330	0.66	0.89	0.19	0.36	0.00	0.44	0.00	11				
5950	LPAF-D7G PARALLEL LIFT	20,952	6.00	8.08	1.68	3.24	0.00	3.98	0.00	57				
5955	D-7G SHANKS EA	1,025	0.29	0.40	0.09	0.16	0.00	0.20	0.00	5				
5960	V-LPRF-TD25E PARALLEL LIFT STD SVC	24,891	7.14	9.59	2.00	3.86	0.00	4.72	0.00	97				
5965	TD-25C SHANKS EA	2,228	0.62	0.86	0.18	0.34	0.00	0.43	0.00	8				
5970	V-LPRF-TD20E PARALLEL LIFT STD SVC	17,512	5.03	6.76	1.41	2.71	0.00	3.32	0.00	51				
5975	TD-20E SHANKS EA	1,396	0.40	0.54	0.12	0.22	0.00	0.27	0.00	4				
5980	PS-TD15C RADIAL LIFT	10,042	2.93	3.91	0.81	1.56	0.00	1.90	0.00	22				
5985	TD-15C SHANKS EA	540	0.15	0.20	0.04	0.08	0.00	0.10	0.00	1				
5990	V-LPRF 82-50 PARALLEL LIFT STD SVC	27,692	7.92	10.63	2.23	4.30	0.00	5.25	0.00	105				
5995	82-50 SHANKS EA	2,228	0.62	0.86	0.18	0.34	0.00	0.43	0.00	8				
6000	V-LPRF-82-30B PARALLEL LIFT	24,503	7.01	9.43	1.97	3.80	0.00	4.65	0.00	89				
6005	82-30 SHANKS EA	2,942	0.83	1.12	0.23	0.45	0.00	0.56	0.00	8				
6010	HBS-HYDR BANK SLOPER 260-475 HP	10,506	2.57	3.23	0.78	1.41	0.00	1.63	0.00	28				
<b>CATERPILLAR</b>														
6020	D-10 MULTI-SHANK BEAM	56,866	16.31	21.90	4.58	8.82	0.00	10.79	0.00	218				
6025	D-10 SHANKS EA	4,122	1.17	1.58	0.33	0.64	0.00	0.79	0.00	15				
6030	D-10 SINGLE-SHANK BEAM	59,924	17.16	23.07	4.82	9.29	0.00	11.38	0.00	209				
6035	D-9L MULTI-SHANK BEAM W/HYD-CONTROL	47,595	13.64	18.31	3.84	7.39	0.00	9.03	0.00	162				
6040	D-9L SHANKS EA	3,719	1.05	1.41	0.30	0.58	0.00	0.70	0.00	14				

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						
<b>RIPPER &amp; HYDR BANK SLOPER (CONT'D)</b> ***** (DOES NOT INCLUDE COST OF POINT WEAR)															
<b>CATERPILLAR (CONT'D)</b>															
6045	D-9L SINGLE-SHANK BEAM HYD-CNIL&SHANK	44,442	12.74	17.12	3.58	6.89	0.00	8.44	0.00	156					
6050	D-8L MULTI-SHANK BEAM HYD-CONTROL	31,809	9.10	12.23	2.56	4.94	0.00	6.04	0.00	98					
6055	D-8L SHANKS EA	2,068	0.58	0.79	0.16	0.32	0.00	0.39	0.00	7					
6060	D-8L SINGLE-SHANK BEAM HYD-CNIL&SHANK	31,080	8.89	11.95	2.50	4.82	0.00	5.90	0.00	101					
6065	D-7G MULTI-SHANK BEAM HYD-CONTROL	17,839	5.13	6.89	1.44	2.77	0.00	3.39	0.00	57					
6070	D-7G SHANKS EA	1,050	0.29	0.40	0.09	0.16	0.00	0.20	0.00	3					
6075	D-6D MULTI-SHANK BEAM HYD-CONTROL	11,118	3.24	4.34	0.90	1.73	0.00	2.12	0.00	34					
6080	D-6D SHANKS EA	523	0.15	0.20	0.04	0.08	0.00	0.10	0.00	1					
6085	D-4E MULTI-SHANK BEAM HYD-CONTROL	6,890	2.04	2.71	0.55	1.07	0.00	1.30	0.00	22					
6090	D-4E SHANKS EA	293	0.09	0.12	0.03	0.05	0.00	0.06	0.00	1					
6095	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,985	0.94	1.23	0.25	0.47	0.00	0.57	0.00	7					
6100	D-3B SHANKS EA	174	0.05	0.06	0.02	0.03	0.00	0.03	0.00	1					
<b>FIAT-ALLIS</b>															
6110	FD-50 W/HYD-CNIL AND 1 SHANK	63,411	18.23	24.47	5.11	9.84	0.00	12.04	0.00	280					
6115	FD-40 W/HYD-CNIL AND 2 SHANKS	49,555	14.23	19.11	3.99	7.69	0.00	9.41	0.00	200					
6120	FD-30 W/HYD-CNIL AND 2 SHANKS	36,043	10.29	13.84	2.90	5.59	0.00	6.84	0.00	108					
6125	RP20B W/HYD-CNIL AND 3 SHANKS	21,989	6.31	8.48	1.77	3.41	0.00	4.18	0.00	88					
<b>ROLLER, RUBBER TIRED, SELF-PROPELLED</b> *****															
<b>FERGUSON</b>															
6135	MOD SP-912	12 TON	85 HP D	42,243	14.57		3.12	5.53	3.49	99					
6140	MOD SP-915	15 TON	85 HP D	47,333	15.80		3.50	6.21	3.49	135					
6145	MOD SP-1118	18 TON	85 HP D	54,089	17.46		4.01	7.09	3.49	124					
6150	MOD SP-1130	30 TON	125 HP D	87,131	27.56		6.43	11.35	5.13	242					

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					
<b>ROLLER, R/T, SELF-PROPELLED (CONT'D)</b> *****														
INGRAM														
6160	9-2800-P	12 TON	76 HP D	36,588	12.75		2.70	4.77	3.12	73				
6165	9-2800-PA	12 TON	76 HP D	39,544	13.46		2.93	5.17	3.12	86				
6170	9-3400-P	15 TON	78 HP D	40,702	13.85		3.01	5.33	3.20	97				
6175	11-2700	15 TON	107 HP G	39,112	18.90		2.89	5.09	7.56	89				
6180	11-2700	15 TON	76 HP D	43,341	14.41		3.20	5.65	3.12	91				
6185	13-2300	15 TON	107 HP G	40,703	19.29		3.00	5.28	7.56	86				
6190	13-2300	15 TON	76 HP D	45,000	14.82		3.32	5.85	3.12	90				
6195	9-6000	27 TON	117 HP D	98,677	29.97		7.28	12.84	4.80	205				
TAMPO														
6205	SP-312	12 TON	68 HP D	39,546	13.06		2.93	5.17	2.79	66				
6210	SP-518	15 TON	68 HP D	49,363	15.42		3.67	6.50	2.79	95				
6215	SP-950	27 TON	130 HP D	101,878	31.37		7.53	13.30	5.34	198				
6220	SP-1070 M	35 TON	130 HP D	122,451	36.83		8.94	15.52	5.34	258				
<b>ROLLER, RUBBER TIRED, TOWED</b> *****														
FERGUSON														
6230	RT-100S	50 TON		69,388	16.31		4.83	7.84	0.00	200				
6235	RT-120S	60 TON		81,358	19.98		5.87	10.06	0.00	218				
SOUTHWEST														
6245	C 50	50 TON		83,356	19.86		5.88	9.76	0.00	344				
6250	C 75	75 TON		93,894	22.27		6.55	10.73	0.00	408				
6255	C 100XL	100 TON		125,111	29.99		8.89	14.90	0.00	601				
TAMPO														
6265	R-13	14 TON		10,520	2.62		0.75	1.24	0.00	35				

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													
<b>ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED</b> *****																	
<b>FERGUSON</b>																	
6275	MOD 112	40"X48" 3-7 TON	15,281	3.81	1.14	2.04	0.00		65								
6280	MOD 112W	40"X48" 4.5-8 TON	19,648	4.86	1.47	2.62	0.00		91								
6285	MOD 112W-48	48"X48" 5-10 TON	20,542	5.09	1.54	2.75	0.00		105								
6290	MOD 120	60"X60" 8-18 TON	30,754	7.54	2.30	4.11	0.00		157								
6295	MOD 120 MOD	60"X60" 8-18 TON	46,781	11.39	3.49	6.25	0.00		230								
6300	MOD 120-RE	60"X60" 16-20 TON	67,098	16.28	5.01	8.97	0.00		327								
6305	MOD 22	60"X72" 16-20 TON	45,913	11.20	3.43	6.14	0.00		215								
6310	MOD 22 MOD	60"X72" 16-20 TON	53,187	12.94	3.98	7.11	0.00		269								
6315	MOD 144-RE	60"X72" 19-24 TON	78,981	19.13	5.89	10.55	0.00		385								
 <b>TAMPO</b>																	
6325	H-1 TF	40"X48" 2.6TON	6,842	1.80	0.52	0.92	0.00		32								
6330	H-2 TF	40"X48" 5 TON	13,791	3.46	1.03	1.84	0.00		63								
 <b>ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED</b> *****																	
<b>CATERPILLAR</b>																	
6340	815 B	40.5"X38" 210 HP D	164,572	50.27	12.29	21.99	8.62		419								
6345	825C	51"X44" 310 HP D	244,237	74.51	18.23	32.63	12.72		633								
6350	825C	W/S BLADE 310 HP D	258,378	77.91	19.29	34.52	12.72		684								
 <b>HYSSTER</b>																	
6360	C455-B TANDEM	80"X80" ARTIC 330 HP D	264,390	80.38	19.74	35.33	13.54		573								

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					
<b>ROLLER, SMOOTH WHEEL, SELF-PROPELLED</b> *****														
<b>FERGUSON</b>														
6370	3-5 TON	TANDEM	52 HP D	28,684	9.55		2.15	3.84	2.13	77				
6375	4-6 TON	TANDEM	52 HP D	34,332	10.90		2.57	4.59	2.13	96				
6380	5-8 TON	TANDEM	85 HP D	52,167	16.88		3.90	6.97	3.49	136				
6385	8-10 TON	TANDEM	85 HP D	55,364	17.65		4.14	7.40	3.49	174				
6390	8-12 TON	TANDEM	85 HP D	57,684	18.21		4.31	7.71	3.49	176				
6395	10-14 TON	TANDEM	85 HP D	61,050	19.02		4.56	8.16	3.49	219				
<b>INGRAM</b>														
6405	12 TON EB 3 WHEEL 3" OVERLAP	TANDEM	107 HP G	58,230	23.37		4.35	7.78	7.56	194				
6410	12 TON EB 3 WHEEL 3" OVERLAP	TANDEM	85 HP D	62,165	19.28		4.64	8.31	3.49	196				
6415	14 TON EB 3 WHEEL 3" OVERLAP	TANDEM	107 HP G	62,166	24.32		4.64	8.31	7.56	221				
6420	14 TON EB 3 WHEEL 3" OVERLAP	TANDEM	85 HP D	66,100	20.24		4.94	8.84	3.49	223				
6425	4-6 TON FB 2 WHEEL	TANDEM	54 HP G	28,244	11.52		2.11	3.77	3.81	82				
6430	6-9 TON GB 2 WHEEL	TANDEM	107 HP G	38,891	18.73		2.91	5.20	7.56	133				
6435	6-9 TON GB 2 WHEEL	TANDEM	85 HP D	42,826	14.64		3.20	5.73	3.49	135				
6440	8-12 TON HB 2 WHEEL	TANDEM	107 HP G	47,428	20.78		3.54	6.34	7.56	171				
6445	8-12 TON HB 2 WHEEL	TANDEM	85 HP D	51,362	16.69		3.84	6.87	3.49	173				
6450	10-14 TON HB 2 WHEEL	TANDEM	107 HP G	51,650	21.79		3.86	6.90	7.56	203				
6455	10-14 TON HB 2 WHEEL	TANDEM	85 HP D	55,584	17.70		4.15	7.43	3.49	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	FUEL					
<b>ROLLER, VIBRATORY, SINGLE DRUM, TOWED</b>														
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
DYNAPAC														
6465	CK-11	40HZ	30"X55"	5 TON	18 HP	G	13,915	6.78	1.12	2.15	1.75	31		
6470	CF-11	40HZ	TF 30"X55"	5 TON	18 HP	G	16,880	7.73	1.36	2.60	1.75	32		
6475	CH-47	27HZ	47"X74"	13 TON	43 HP	D	41,711	16.65	3.36	6.43	2.46	130		
6480	CF-47	27HZ	TF 47"X74"	13 TON	43 HP	D	40,711	16.33	3.28	6.28	2.46	135		
6485	CK-51	25HZ	59"X83"	24 TON	95 HP	D	57,728	25.72	4.65	8.90	5.44	221		
6490	CF-51	25HZ	TF 59"X83"	24 TON	95 HP	D	60,696	26.69	4.89	9.37	5.44	226		
FERGUSON														
6500	65	25HZ	TF 60"X72"	11 TON	49 HP	D	39,408	16.36	3.18	6.08	2.80	110		
6505	65T	30HZ	TF 44"X72"	11 TON	49 HP	D	43,041	17.53	3.47	6.64	2.80	127		
6510	230	25HZ	66"X78"	20 TON	77 HP	D	70,115	28.34	5.64	10.81	4.41	237		
6515	230T	25HZ	TF 66"X78"	21 TON	77 HP	D	75,899	30.21	6.12	11.71	4.41	268		
HYSTER														
6525	C200B	30HZ	48"X60"	9 TON	39 HP	D	33,744	13.79	2.72	5.21	2.23	80		
6530	C210A	30HZ	TF 58"X60"	9 TON	39 HP	D	40,014	15.79	3.22	6.17	2.23	100		
RAYGO														
6540	SF-54A	TF	38HZ 30"X54"	7.5TON	30 HP	D	20,161	8.75	1.63	3.11	1.72	48		
6545	SM-54A		38HZ 30"X54"	7.5TON	30 HP	D	18,405	8.18	1.48	2.84	1.72	48		
SOUTHWEST														
6555	756	25HZ	TF 66"X78"	23.5TON	75 HP	D	84,981	32.96	6.85	13.11	4.29	240		
6560	566	33HZ	TF 56"X72"	25.5TON	50 HP	D	64,900	24.63	5.23	10.01	2.86	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	FUEL					
<b>ROLLER, VIB, SINGLE DRUM, SELF-PROPELLED</b> ***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
DYNAPAC														
6575	CA-15 29HZ	48"X66"	11 TON	73 HP D	64,391	26.23	5.16	9.85	4.18	132				
6580	CA-15A 42HZ	48"X66"	12 TON	85 HP D	73,896	30.24	5.87	11.09	4.87	144				
6585	CA-15PD 29HZ	TF 53"X66"	13 TON	85 HP D	82,530	32.96	6.63	12.66	4.87	157				
6590	CA-25A 40HZ	60"X84"	18 TON	125 HP D	96,544	40.52	7.71	14.62	7.15	200				
6595	CA-25 28HZ	60"X84"	18 TON	125 HP D	88,978	38.08	7.11	13.49	7.15	200				
6600	CA-25S 28HZ	61"X84"	22 TON	125 HP D	94,407	39.83	7.54	14.33	7.15	225				
6605	CA-25PD 28HZ	68"X84"	22 TON	125 HP D	106,661	43.76	8.53	16.22	7.15	248				
6610	CA-30 28HZ	61"X84"	22 TON	125 HP D	98,489	41.14	7.87	14.96	7.15	242				
6615	CA-30D 28HZ	61"X84"	22 TON	125 HP D	106,428	43.70	8.52	16.19	7.15	252				
FERGUSON														
6625	SP 266A 42HZ	48"X66"	15 TON	125 HP D	91,697	38.89	7.38	14.14	7.15	225				
6630	SP 75 30HZ	60"X84"	22.5 TON	85 HP D	75,771	30.82	6.04	11.45	4.87	191				
6635	SP 75D 30HZ	60"X84"	22.5 TON	120 HP D	80,170	34.89	6.40	12.14	6.87	193				
6640	SP 75DT 30HZ	TF 60"X84"	22.5 TON	120 HP D	91,555	38.54	7.31	13.89	6.87	236				
INGERSOLL RAND														
6650	SPF-56 30HZ	TF 56"X84"	21 TON	115 HP D	96,783	39.84	7.74	14.70	6.58	222				
6655	SP-60DD 25HZ	60"X100"	30 TON	203 HP D	141,187	60.78	11.28	21.41	11.62	377				
RAYGO														
6665	RASCAL 220A 30HZ	TF38"X48"	6 TON	70 HP D	60,773	24.82	4.88	9.33	4.01	97				
6670	RASCAL 303A 38HZ	48"X66"	8 TON	70 HP D	61,689	25.13	4.95	9.43	4.01	137				
6675	RASCAL 320A 25HZ	TF48"X60"	8 TON	80 HP D	81,436	32.23	6.55	12.50	4.58	151				
6680	RASCAL 320S 25HZ	48"X60"	8 TON	80 HP D	68,871	28.20	5.52	10.54	4.58	144				
6685	RUSTLER 304A 28HZ	48"X66"	8 TON	70 HP D	67,174	26.94	5.34	10.06	4.01	130				
6690	RUSTLER 404B 28HZ	59"X84"	13.5TON	88 HP D	92,090	36.28	7.36	14.00	5.04	175				

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					
<b>ROLLER, VIBRATORY, SD, S/P (CONT'D)</b>														
*****														
TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
<b>RAYGO (CONT'D)</b>														
6695	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	102,339	41.92		8.19	15.58	6.81			225				
6700	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	86,965	37.43		6.95	13.18	7.15			224				
6705	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	119,550	47.46		9.56	18.17	6.81			358				
6710	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	104,037	42.48		8.31	15.78	6.81			316				
6715	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	94,949	40.03		7.56	14.30	7.15			263				
<b>TAMPO</b>														
6725	RS-16A 26HZ 48'X24" 7.5TON 68 HP D	65,652	26.30		5.21	9.82	3.89			124				
6730	RS-16 26HZ 48"X24" 8 TON 68 HP D	57,618	23.67		4.62	8.81	3.89			115				
6735	RS-16D 26HZ 48"X24" 8 TON 80 HP D	69,611	28.45		5.59	10.67	4.58			123				
6740	RH-16A 26HZ 48"X24" 9 TON 75 HP D	76,885	30.43		6.11	11.55	4.29			153				
6745	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	76,387	30.61		6.13	11.70	4.58			127				
6750	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	100,812	40.76		8.06	15.32	6.30			212				
6755	RS-28C 25HZ 60"X84" 15 TON 107 HP D	84,489	35.28		6.75	12.80	6.12			202				
6760	RS-28D 25HZ 60"X84" 15 TON 107 HP D	91,076	37.40		7.28	13.82	6.12			208				
6765	RH-28D 28HZ 60"X84"22.5TON 110 HP D	115,204	45.38		9.22	17.54	6.30			259				
<b>ROLLER,VIB,DOUBLE DRUM, SELF-PROPELLED</b>														
*****														
TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
<b>DYNAPAC</b>														
6775	LR-50 60HZ TANDEM 2 TON 16 HP D	11,887	5.04		0.96	1.84	0.92			25				
6780	CC-10 50HZ TANDEM 2 TON 34 HP D	30,995	12.53		2.49	4.78	1.95			50				
6785	CC-21 50HZ TANDEM 4 TON 71 HP D	73,598	29.00		5.93	11.35	4.06			137				
6790	CC-42II 42HZ TANDEM 12 TON 125 HP D	99,254	41.32		7.99	15.30	7.15			200				
6795	CC-50A 40HZ TANDEM 18 TON 155 HP D	118,948	49.93		9.58	18.35	8.87			310				

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

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	FUEL	SEVERE OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
<b>SCRAPERS, SELF-PROPELLED (CONT'D)</b>																			
***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)																			
<b>CATERPILLAR (CONT'D)</b>																			
6905	631-D	37.5T 21-31 CY P.S.	450 HP D	411,232	118.37	152.55	29.72	53.67	17.01	62.08	22.36	934							
6910	633-D	37.5T 34 CY P.S.	450 HP D	468,205	136.09	174.46	33.94	61.49	18.95	71.15	24.79	1042							
6915	637-D	37.5T 21-31 CY P.S. 450/250 HP D/D	503,944	158.23	205.09	36.58	66.39	27.97	76.85	36.29	1053								
6920	637-D PP	37.5T 21-31 CY P.S. 450/250 HP D/D	525,529	163.02	211.00	38.17	69.35	27.97	80.29	36.29	1077								
6925	639-D	37.5T 24-34 CY P.S. 450/250 HP D/D	579,049	177.99	231.62	41.94	75.93	27.97	87.86	36.29	1223								
6930	651-B	52 T 32-44 CY P.S.	550 HP D	528,567	151.25	195.19	38.15	68.79	20.79	79.54	27.32	1230							
6935	657-B	52 T 32-44 CY P.S. 550/400 HP D/D	651,167	207.48	269.37	47.23	85.62	37.96	99.08	49.25	1516								
<b>FIAT-ALLIS</b>																			
6950	161	18.7 T 15 CY P.S.	229 HP D	188,744	57.73	74.21	13.66	24.71	9.65	28.58	12.61	466							
6955	260B	25.0 T 15-21 CY P.S.	325 HP D	254,210	75.54	97.47	18.37	33.16	12.28	38.36	16.15	585							
6960	261B	26.5 T 23 CY P.S.	325 HP D	285,160	87.99	114.32	20.46	36.58	13.69	42.25	17.90	635							
6965	262B	25.0 T 15-21 CY P.S. 325/171 HP D/D	300,973	99.26	129.20	21.80	39.45	19.82	45.64	25.71	679								
6970	263-B	26.5 T 23 CY P.S. 325/171 HP D/D	358,444	111.55	144.00	26.08	47.45	19.82	54.95	25.71	742								
<b>INTERNATIONAL</b>																			
6980	412B	13 T 11 CY P.S.	125 HP D	136,055	40.56	51.67	9.98	17.55	5.26	20.20	6.88	335							
6985	431B	24 T 14-21 CY P.S.	326 HP D	266,645	78.63	101.49	19.26	34.74	12.32	40.17	16.20	609							
6990	433B	24 T 14-21 CY P.S. 326/185 HP D/D	312,631	102.61	133.38	22.66	41.05	20.42	47.50	26.49	700								
6995	442B	25 T 22 CY P.S.	326 HP D	298,030	89.08	114.43	21.58	39.05	13.73	45.17	17.96	680							
<b>JOHN DEERE</b>																			
7005	JD762A	13.7 T 11 CY P.S.	175 HP D	144,014	45.35	57.81	10.57	18.61	7.37	21.43	9.64	355							
7010	JD862	20.0 T 16 CY P.S.	250 HP D	193,033	59.85	76.91	13.98	25.30	10.53	29.26	13.77	492							

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															
<b>SCRAPERS, SELF-PROPELLED (CONT'D)</b> ***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH FULL ATTACHMENT)																			
TEREX (GM)																			
7020	S-23E 26.5T 23 CY P.S. 310 HP D	280,168	84.23	108.37	20.26	36.59	13.06	42.33	17.07	660									
7025	S-24B 40.8T 24-34 CY P.S. 475 HP D	443,836	127.77	164.96	32.03	57.73	17.95	66.75	23.60	955									
7030	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	285,571	84.42	109.55	20.72	37.57	11.51	43.48	14.93	544									
7035	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	482,379	149.06	193.31	35.00	63.51	24.74	73.52	32.09	960									
7040	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	567,388	174.87	226.84	41.17	74.69	28.65	86.44	37.17	1084									
SCRAPER, TRACTOR DRAWN *****																			
ROME																			
7055	ROME 18T 12-17CY HYDR/CONTROL	84,882	17.81	21.22	5.78	9.84	0.00	10.98	0.00	235									
7060	ROME 27T 18-26CY HYDR/CONTROL	110,503	23.54	28.13	7.46	12.53	0.00	13.95	0.00	365									
SOUTHWEST-HUME																			
7070	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	43,771	9.28	11.08	2.96	4.98	0.00	5.55	0.00	137									
SOIL STABILIZER *****																			
BOMAG																			
7080	BOMAG MPH-50 12"DEEP BY 82"WIDE 152 HP D	104,370	33.00	42.50	7.74	13.80	6.40	15.91	8.37	208									
7085	BOMAG MPH-100 14.5"DEEP X 79"WIDE 304 HP D	161,123	54.98	71.10	11.92	21.20	12.80	24.46	16.74	300									
BROS																			
7095	BROS LSPRM-8A 19"DEEP X 99.75"WIDE 318 HP D	146,207	51.32	65.84	10.87	19.45	13.39	22.44	17.52	300									

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					
<b>TRACTOR, CRAWLER (DOZER)</b> *****														
<b>CATERPILLAR</b>														
7105	D-3B P.S.	65 HP D	44,469	15.98	20.34	3.34	5.82	2.88	6.69	3.79	130			
7110	3P POWER ANGLE & POWER TILT		8,915	2.20	2.76	0.67	1.20	0.00	1.39	0.00	24			
7115	D-4E P.S.	80 HP D	62,065	21.65	27.57	4.67	8.13	3.54	9.35	4.67	184			
7120	4A ANGLE BLADE HYDRAULIC		11,727	2.86	3.59	0.87	1.57	0.00	1.82	0.00	28			
7125	4S STRAIGHT BLADE HYDRAULIC		9,000	2.22	2.78	0.67	1.21	0.00	1.40	0.00	25			
7130	D-5B P.S.	105 HP D	90,657	30.91	39.30	6.82	11.88	4.65	13.65	6.12	234			
7135	5A ANGLE BLADE HYDRAULIC		14,822	3.59	4.51	1.11	1.99	0.00	2.29	0.00	43			
7140	5S STRAIGHT BLADE HYDRAULIC		11,725	2.86	3.59	0.87	1.57	0.00	1.82	0.00	36			
7145	D-6D P.S.	140 HP D	121,361	41.35	52.58	9.12	15.90	6.20	18.27	8.16	283			
7150	6S STRAIGHT BLADE HYDRAULIC		15,239	3.68	4.65	1.13	2.04	0.00	2.37	0.00	49			
7155	6A ANGLE BLADE HYDRAULIC		17,105	4.12	5.19	1.27	2.29	0.00	2.65	0.00	53			
7160	D-7G P.S.	200 HP D	173,907	59.23	75.30	13.07	22.79	8.86	26.19	11.66	378			
7165	7S STRAIGHT BLADE HYDRAULIC		23,640	5.67	7.14	1.76	3.17	0.00	3.66	0.00	77			
7170	7U HYD. UNIVERSAL BLADE		25,892	6.20	7.82	1.93	3.47	0.00	4.02	0.00	84			
7175	7A ANGLE BLADE HYDRAULIC		20,647	4.97	6.25	1.54	2.77	0.00	3.20	0.00	68			
7180	D-8L P.S.	335 HP D	269,716	86.99	111.05	19.93	37.07	14.83	43.06	19.54	735			
7185	8S STRAIGHT BLADE HYDRAULIC		34,707	8.33	10.49	2.59	4.66	0.00	5.38	0.00	120			
7190	8U HYD. UNIVERSAL BLADE		38,272	9.18	11.57	2.85	5.14	0.00	5.94	0.00	133			
7195	8A ANGLE BLADE HYDRAULIC		35,149	8.44	10.63	2.62	4.72	0.00	5.45	0.00	133			
7200	PUSH PLATE USE W/8S		1,079	0.31	0.37	0.08	0.15	0.00	0.17	0.00	6			
7205	D-9L P.S.	460 HP D	360,047	103.83	128.66	25.09	44.15	20.37	49.49	26.83	1004			
7210	9S STRAIGHT BLADE HYDRAULIC		48,462	11.65	14.66	3.62	6.51	0.00	7.51	0.00	184			
7215	9U HYD. UNIVERSAL BLADE		51,227	12.31	15.51	3.82	6.88	0.00	7.95	0.00	195			
7220	9C CUSHION BLADE		42,630	10.25	12.90	3.18	5.72	0.00	6.61	0.00	160			
7225	REAR CUSHION PUSH BLOCK		12,434	3.07	3.84	0.93	1.67	0.00	1.93	0.00	41			
7230	FRONT PUSH PLATE		1,471	0.44	0.53	0.11	0.20	0.00	0.23	0.00	9			
7235	D-10 P.S.	700 HP D	602,190	169.86	210.15	41.97	73.85	31.00	82.77	40.82	1526			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP												
			AVERAGE	SEVERE															
<b>TRACTOR, CRAWLER (DOZER) (CONT'D)</b> *****																			
<b>CATERPILLAR (CONT'D)</b>																			
7240	10S	STRAIGHT BLADE HYDRAULIC	72,854	17.52	22.06	5.43	9.78	0.00	11.30	0.00	280								
7245	10U	HYD. UNIVERSAL BLADE	79,551	19.11	24.07	5.93	10.68	0.00	12.34	0.00	286								
7250		FRONT PUSH PLATE	1,635	0.48	0.57	0.12	0.22	0.00	0.25	0.00	8								
7255	10C	CUSHION BLADE	54,300	13.05	16.43	4.05	7.29	0.00	8.42	0.00	198								
<b>FIAT-ALLIS</b>																			
7265	FD5 P.S. W/HYD. ANGLE TILT BLADE	63 HP D	50,298	17.43	22.18	3.78	6.59	2.79	7.57	3.67	140								
7270	FD7 P.S. W/POW. ANGLE TILT BLADE	78 HP D	59,577	20.85	26.55	4.48	7.81	3.45	8.97	4.55	175								
7275	8-B	P.S.	88 HP D	67,254	23.54	29.96	5.05	8.81	3.90	10.12	5.13	215							
7280	8-HA	ANGLE BLADE HYDRAULIC		10,354	2.54	3.18	0.78	1.39	0.00	1.61	0.00	30							
7285	8-HSU	SEMI-U BLADE HYDRAULIC		10,341	2.48	3.13	0.77	1.38	0.00	1.60	0.00	30							
7290	10-C	P.S.	122 HP D	92,081	32.32	41.16	6.93	12.07	5.40	13.87	7.12	280							
7295	10-HA	ANGLE BLADE HYDRAULIC		11,597	2.82	3.54	0.86	1.55	0.00	1.79	0.00	36							
7300	10-HSU	SEMI-U BLADE HYDRAULIC		14,028	3.37	4.24	1.05	1.89	0.00	2.18	0.00	38							
7305	14-C	P.S.	150 HP D	117,115	40.80	51.93	8.80	15.35	6.64	17.64	8.75	335							
7310	14-HA	ANGLE BLADE HYDRAULIC		17,646	4.25	5.36	1.31	2.36	0.00	2.74	0.00	51							
7315	14-HSU	SEMI-U BLADE HYDRAULIC		17,620	4.21	5.31	1.31	2.36	0.00	2.73	0.00	51							
7320	FD 20	P.S.	223 HP D	174,672	60.80	77.39	13.13	22.89	9.87	26.30	13.01	535							
7325	20-HA	ANGLE BLADE HYDRAULIC		19,098	4.60	5.79	1.42	2.56	0.00	2.96	0.00	66							
7330	20-HS	STRAIGHT BLADE HYDRAULIC		19,969	4.81	6.05	1.49	2.68	0.00	3.10	0.00	66							
7335	20-HSU	SEMI-U BLADE HYDRAULIC		26,821	6.40	8.06	2.01	3.61	0.00	4.16	0.00	79							
7340	FD 30	P.S.	300 HP D	267,547	84.46	107.74	19.78	36.77	13.28	42.71	17.50	775							
7345	30HSU	HYD. SEMI-UNIVERSAL BLADE		37,809	9.07	11.41	2.82	5.08	0.00	5.86	0.00	127							
7350	30-HU	FULL-U BLADE HYDRAULIC		37,973	9.07	11.45	2.83	5.09	0.00	5.89	0.00	114							
7355	FD40	P.S.	455 HP D	385,236	109.06	134.96	26.85	47.24	20.15	52.94	26.54	1128							
7360	40-HSU	SEMI-U BLADE HYDRAULIC		57,975	13.94	17.54	4.33	7.79	0.00	8.99	0.00	222							
7365	40-HU	FULL-U BLADE HYDRAULIC		59,386	14.30	18.00	4.42	7.97	0.00	9.21	0.00	254							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND BY	AVERAGE OWNER-SHIP	FUEL	SEVERE OWNER-SHIP	FUEL		
			AVERAGE	SEVERE							
	TRACTOR, CRAWLER (DOZER) (CONT'D)										
	*****										
	FIAT-ALLIS (CONT'D)										
7370	40-HC CUSHION BLADE	36,482	8.74	11.02	2.72	4.89	0.00	5.66	0.00	120	
7375	FD 50 P.S. 525 HP D	515,612	141.36	174.56	35.94	63.24	23.25	70.86	30.62	1280	
7380	50-HSU SEMI-U BLADE HYDRAULIC	65,971	15.87	19.98	4.91	8.85	0.00	10.23	0.00	250	
7385	50-HU FULL-U BLADE HYDRAULIC	75,365	18.08	22.77	5.62	10.12	0.00	11.69	0.00	280	
7390	50-HC CUSHION BLADE	42,044	10.07	12.68	3.14	5.65	0.00	6.52	0.00	140	
	INTERNATIONAL										
7400	ID-7-E P.S. W/HYD BLADE 65 HP D	55,164	18.89	24.01	4.15	7.23	2.88	8.31	3.79	139	
7405	ID-8-E P.S. W/HYD BLADE 78 HP D	69,118	23.44	29.82	5.20	9.06	3.45	10.41	4.55	172	
7410	ID-12 P.S. W/HYD BLADE 110 HP D	100,729	33.94	43.16	7.58	13.20	4.87	15.17	6.42	267	
7415	ID-15-C P.S. 140 HP D	129,363	43.52	55.32	9.72	16.95	6.20	19.48	8.16	271	
7420	15D-2 HYD. SEMI-UNIVERSAL BLADE	14,508	3.47	4.38	1.08	1.94	0.00	2.25	0.00	46	
7425	15G-2 ANGLE BLADE HYDRAULIC	16,311	3.90	4.92	1.22	2.19	0.00	2.53	0.00	50	
7430	ID-20-E P.S. 210 HP D	195,664	65.73	83.53	14.71	25.64	9.30	29.46	12.25	476	
7435	20D-2 HYD. SEMI-UNIVERSAL BLADE	25,142	5.98	7.56	1.87	3.37	0.00	3.90	0.00	61	
7440	20G-2 ANGLE BLADE HYDRAULIC	17,758	4.24	5.36	1.32	2.38	0.00	2.76	0.00	71	
7445	ID-25-E P.S. 310 HP D	252,122	81.15	103.55	18.64	34.66	13.73	40.24	18.08	700	
7450	25D-2 HYD. SEMI-UNIVERSAL BLADE	31,945	7.66	9.65	2.39	4.29	0.00	4.96	0.00	113	
7455	25G-2 ANGLE BLADE HYDRAULIC	26,943	6.49	8.17	2.01	3.61	0.00	4.18	0.00	115	
7460	FRONT PUSHER CUSHION	10,820	2.64	3.32	0.81	1.45	0.00	1.68	0.00	29	
7465	REAR PUSHER CUSHION	6,446	1.66	2.06	0.48	0.86	0.00	1.00	0.00	23	
7470	FRONT PUSH BLK FOR S/BLD	1,225	0.38	0.46	0.10	0.17	0.00	0.19	0.00	12	
	JOHN DEERE										
7480	JD350C/6305 D.D. W/HYD BLADE 42 HP D	38,502	12.98	16.49	2.90	5.05	1.86	5.80	2.45	107	
7485	JD450C/6405 D.D. W/HYD BLADE 65 HP D	54,252	18.64	23.69	4.08	7.11	2.88	8.17	3.79	143	
7490	JD550/6405 P.S. W/HYD BLADE 72 HP D	64,613	21.86	27.79	4.85	8.46	3.19	9.73	4.20	156	
7495	JD750 LPG H.S. W/STR BLADE 110 HP D	118,219	38.69	49.13	8.88	15.49	4.87	17.80	6.42	336	

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					
<b>TRACTOR, CRAWLER (DOZER) (CONT'D)</b> *****														
<b>JOHN DEERE (CONT'D)</b>														
7500	JD850 LPG H.S. W/STR BLADE	145 HP D	154,009	50.51	64.14	11.58	20.18	6.42	23.19	8.46	449			
<b>KOMATSU</b>														
7510	D31A-17 H.S.	66 HP D	45,738	16.38	20.88	3.44	6.00	2.92	6.89	3.85	132			
7515	ANGLE TILTDOZER BLADE		7,374	1.79	2.25	0.55	0.99	0.00	1.14	0.00	20			
7520	D45A-1 H.S.	90 HP D	68,681	24.05	30.62	5.16	9.00	3.99	10.35	5.25	200			
7525	ANGLE TILTDOZER BLADE		5,525	1.35	1.70	0.41	0.74	0.00	0.86	0.00	24			
7530	D53A-16A H.S.	118 HP D	98,616	33.87	43.06	7.42	12.93	5.23	14.84	6.88	246			
7535	ANGLE TILTDOZER BLADE		9,255	2.24	2.81	0.70	1.25	0.00	1.43	0.00	42			
7540	D65E-6 H.S.	155 HP D	137,719	46.69	59.36	10.36	18.05	6.86	20.74	9.04	377			
7545	ANGLE TILTDOZER BLADE		12,246	2.94	3.71	0.91	1.64	0.00	1.90	0.00	61			
7550	D85A-18 H.S.	220 HP D	173,031	60.18	76.58	13.00	22.67	9.74	26.05	12.83	437			
7555	ANGLE TILTDOZER BLADE		19,258	4.63	5.84	1.43	2.58	0.00	2.99	0.00	99			
7560	U-DOZER BLADE		20,505	4.95	6.23	1.53	2.75	0.00	3.18	0.00	104			
7565	D155A-1 H.S.	320 HP D	244,419	79.77	101.86	18.07	33.59	14.17	39.02	18.66	690			
7570	ANGLE TILTDOZER BLADE		26,538	6.42	8.08	1.98	3.56	0.00	4.12	0.00	140			
7575	U-DOZER BLADE		27,875	6.73	8.47	2.08	3.74	0.00	4.32	0.00	142			
7580	D355A-3 H.S.	410 HP D	328,000	105.94	135.23	24.25	45.08	18.15	52.36	23.91	945			
7585	U-DOZER BLADE		36,223	8.77	11.02	2.70	4.86	0.00	5.61	0.00	196			
7590	STRAIGHT DOZER BLADE		33,126	8.03	10.09	2.47	4.45	0.00	5.14	0.00	184			
7595	D455A-1 H.S.	620 HP D	578,630	160.32	198.12	40.33	70.96	27.45	79.52	36.16	1445			
7600	FULL U-DOZER BLADE		80,812	19.35	24.38	6.03	10.85	0.00	12.53	0.00	229			
7605	U-DOZER BLADE		75,841	18.14	22.88	5.65	10.18	0.00	11.77	0.00	211			
7610	STRAIGHT DOZER BLADE		70,868	16.95	21.36	5.28	9.51	0.00	10.99	0.00	193			

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					
<b>TRACTOR, CRAWLER (DOZER) (CONT'D)</b> *****														
TEREX (GM)														
7620	D700A P.S. (W/O BLADE)	205 HP D	175,862	60.05	76.37	13.22	23.04	9.08	26.48	11.96	409			
7625	SEMI-U BLADE HYDRAULIC		18,028	4.31	5.43	1.34	2.42	0.00	2.79	0.00	58			
7630	ANGLE BLADE HYDRAULIC		20,295	4.85	6.11	1.52	2.73	0.00	3.15	0.00	69			
7635	FULL-U BLADE HYDRAULIC		20,708	4.94	6.23	1.54	2.78	0.00	3.21	0.00	68			
7640	D750 P.S. (W/O BLADE)	260 HP D	203,173	65.96	84.21	15.01	27.92	11.51	32.43	15.16	555			
7645	SEMI-U BLADE HYDRAULIC		25,723	6.13	7.73	1.92	3.46	0.00	3.99	0.00	91			
7650	ANGLE BLADE HYD. W/DUAL TILT		33,707	8.01	10.10	2.51	4.52	0.00	5.22	0.00	118			
7655	FULL-U BLADE HYDRAULIC		28,276	6.72	8.48	2.10	3.79	0.00	4.38	0.00	107			
7660	D800 P.S. (W/O BLADE)	350 HP D	271,570	88.32	112.75	20.07	37.32	15.50	43.35	20.41	787			
7665	SEMI-U BLADE HYDRAULIC		33,585	8.05	10.16	2.50	4.50	0.00	5.21	0.00	118			
7670	FULL-U BLADE HYDRAULIC		36,808	8.83	11.13	2.74	4.94	0.00	5.71	0.00	129			
7675	CUSHIONED PUSH BLADE		32,174	7.72	9.72	2.40	4.32	0.00	4.99	0.00	113			
7680	PUSH PLATE (WELD ON)		1,389	0.38	0.47	0.11	0.19	0.00	0.22	0.00	6			
7685	PUSH BLOCK (CUSHION REAR)		8,376	2.10	2.62	0.63	1.13	0.00	1.30	0.00	21			
<b>TRACTOR, WHEEL TYPE (DOZER)</b> *****														
CATERPILLAR														
7695	814-B ARTICULATED ST BLADE P.S.	210 HP D	172,565	49.52	64.36	12.71	22.42	8.62	25.81	11.34	494			
7700	824-C ARTICULATED ST BLADE P.S.	300 HP D	252,448	73.64	97.81	18.44	32.19	12.31	37.02	16.20	624			
7705	834-B ARTICULATED ST BLADE P.S.	450 HP D	361,636	104.43	137.87	26.27	45.54	18.47	52.31	24.30	892			
<b>CLARK</b>														
7715	280B ARTICULATED ST BLADE P.S.	302 HP D	275,918	78.92	104.59	20.16	35.25	12.39	40.55	16.31	749			
7720	380B ARTICULATED ST BLADE P.S.	572 HP D	466,218	134.46	178.03	33.81	58.51	23.47	67.20	30.89	1253			

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					
<b>TRACTOR, WHEEL TYPE (FARM)</b> *****														
JOHN DEERE														
7730	MOD 301 A	43 HP D	15,367	5.66	7.40	1.13	1.98	1.76	2.29	2.32	38			
7735	MOD 302	50 HP D	17,288	6.45	8.39	1.28	2.25	2.05	2.58	2.70	42			
7740	MOD 401 B	62 HP D	19,487	7.56	9.86	1.43	2.52	2.54	2.90	3.35	45			
<b>TRENCHER, CHAIN</b> *****														
DITCH WITCH														
7750	MOD C99 6"X24" TRENCH	9 HP G	3,609	1.74	2.22	0.27	0.47	0.64	0.54	0.83	6			
7755	MOD 2200 8"X36" TRENCH	18 HP G	14,820	5.37	6.84	1.10	1.96	1.27	2.26	1.66	30			
7760	MOD 2300 10"X36" TRENCH	28 HP G	20,393	7.67	9.80	1.52	2.71	1.98	3.13	2.58	33			
7765	MOD 6510 12"X54" TRENCH	64 HP D	38,378	13.05	16.68	2.84	5.06	2.63	5.84	3.46	106			
7770	MOD R100 10"X72" TRENCH	105 HP D	77,524	25.05	31.99	5.75	10.25	4.31	11.82	5.67	176			
<b>VERMEER</b>														
7785	MOD V-430 10"X40" TRENCH	24 HP D	24,911	7.52	9.58	1.85	3.31	0.98	3.82	1.30	37			
7790	MOD M-455 18"X72" TRENCH	44 HP D	49,180	14.71	18.72	3.65	6.51	1.81	7.51	2.38	82			
7795	MOD M-475 18"X72" TRENCH	55 HP D	54,315	16.56	21.10	4.03	7.19	2.26	8.31	2.97	89			
7800	MOD T-600024"X96" TRENCH	113 HP D	87,461	27.86	35.52	6.52	11.72	4.64	13.54	6.10	202			
7805	MOD T-800B36"X96" TRENCH	175 HP D	169,016	51.56	65.65	12.61	22.66	7.18	26.17	9.45	419			
<b>TRENCHER, WHEEL TYPE</b> *****														
BARBER-GREENE														
7815	MOD TA 56 16"X5'-10" TRENCH	100 HP D	139,742	40.28	51.19	10.42	18.73	4.10	21.64	5.40	254			
7820	MOD TA 65 28"X7'-6" TRENCH	160 HP D	202,584	59.19	75.24	15.11	27.15	6.57	31.36	8.64	431			
7825	MOD TA 77 32"X8'-6" TRENCH	160 HP D	255,751	72.52	92.08	19.08	34.28	6.57	39.59	8.64	605			

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					
<b>TRENCHER, WHEEL TYPE (CONT'D)</b> *****														
<b>CLEVELAND</b>														
7835	MOD 236 17"X72" TRENCH	67 HP D	112,184	31.63	40.17	8.36	15.03	2.75	17.37	3.62 180				
7840	MOD 236HD 21"X72" TRENCH	67 HP D	122,235	34.16	43.35	9.11	16.38	2.75	18.92	3.62 200				
7845	MOD 246 25"X72" TRENCH	67 HP D	125,929	35.09	44.53	9.40	16.88	2.75	19.50	3.62 206				
7850	MOD 350 30"X90" TRENCH	150 HP D	233,230	66.34	84.26	17.39	31.26	6.16	36.11	8.10 455				
7855	MOD 400WHD36"X114" TRENCH	175 HP D	290,288	81.96	104.06	21.65	38.91	7.18	44.94	9.45 659				
<b>TRUCKS, HIGHWAY</b> ***** <b>(CHASSIS ONLY)</b>														
<b>FORD</b>														
7870	F150 4X2 1/2T PKUP	6100 GVW 157 HP G	8,737	6.24	8.06	0.78	1.54	2.52	1.76	3.36 38				
7875	F150 4X4 1/2T PKUP	6250 GVW 157 HP G	10,709	6.93	8.94	0.96	1.90	2.52	2.17	3.36 42				
7880	F250 4X2 3/4T PKUP	6900 GVW 157 HP G	9,287	6.47	8.33	0.82	1.62	2.52	1.84	3.36 40				
7885	F250 4X4 3/4T PKUP	7400 GVW 157 HP G	11,123	7.13	9.17	0.98	1.95	2.52	2.22	3.36 44				
7890	F350 2AX	10000 GVW 157 HP G	10,518	6.95	8.94	0.92	1.80	2.52	2.06	3.36 42				
7895	F600 2AX	18500 GVW 154 HP G	18,750	12.42	16.23	1.48	2.67	5.77	3.23	7.42 65				
7900	F600 2AX	18500 GVW 162 HP D	25,334	11.51	15.24	2.02	3.66	3.92	4.42	5.10 65				
7905	F700 2AX	24500 GVW 177 HP G	21,446	14.22	18.58	1.70	3.08	6.63	3.72	8.52 65				
7910	F700 2AX	24500 GVW 162 HP D	28,609	12.32	16.35	2.28	4.15	3.92	5.02	5.10 73				
7915	F800 2AX	27000 GVW 177 HP G	23,646	14.84	19.39	1.87	3.38	6.63	4.08	8.52 72				
7920	F800 2AX	27000 GVW 162 HP D	29,978	12.95	17.16	2.35	4.21	3.92	5.09	5.10 76				
7925	LT800 3AX	43000 GVW 223 HP G	36,831	26.31	34.42	2.90	5.42	12.41	6.59	15.99 110				
7930	LT8000 3AX	44800 GVW 175 HP D	49,915	21.48	28.53	3.94	7.38	6.35	8.99	8.26 126				
7935	LTS8000 3AX	46000 GVW 175 HP D	52,198	22.08	29.30	4.12	7.72	6.35	9.40	8.26 130				
7940	LNT8000 3AX	46000 GVW 175 HP D	49,381	21.37	28.34	3.89	7.29	6.35	8.87	8.26 124				
7945	CT8000 3AX	46000 GVW 175 HP D	57,357	23.40	31.09	4.54	8.52	6.35	10.38	8.26 136				
7950	LT9000 3AX 58000 GVW	82000 GCW 239 HP D	75,354	31.18	41.41	5.97	11.20	8.68	13.63	11.28 172				
7955	LTS9000 3AX 60000 GVW	82000 GCW 239 HP D	79,985	32.39	43.05	6.32	11.86	8.68	14.45	11.28 180				

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					
<b>TRUCKS, HIGHWAY (CONT'D)</b>														
<b>*****          (CHASSIS ONLY)</b>														
<b>FORD (CONT'D)</b>														
7960	LNT9000	3AX 60000 GVW 82000 GOW 239 HP D	75,978	31.38	41.68	6.00	11.25	8.68	13.70	11.28	175			
7965	CLT9000	3AX 82000 GOW 286 HP D	74,055	32.93	43.72	5.86	11.03	10.38	13.45	13.50	149			
<b>GMC AND CHEVROLET</b>														
7975	C10903	4X2 1/2T PKUP 6100 GW 165 HP G	9,792	6.77	8.74	0.87	1.72	2.65	1.96	3.53	46			
7980	C10906	4X2 SUBURBAN 6800 GW 160 HP G	12,340	7.53	9.67	1.09	2.18	2.57	2.49	3.42	52			
7985	K10906	4X4 SUBURBAN 7000 GW 165 HP G	13,406	8.03	10.29	1.20	2.39	2.65	2.72	3.53	56			
7990	C20903	4X2 3/4T PKUP 8600 GW 165 HP G	12,563	7.73	9.90	1.12	2.23	2.65	2.53	3.53	49			
7995	K20903	4X4 3/4T PKUP 6600 GW 165 HP G	13,428	8.04	10.33	1.20	2.38	2.65	2.71	3.53	54			
8000	C30903	2AX 9000 GW 160 HP G	12,681	7.75	9.93	1.11	2.20	2.57	2.51	3.42	62			
8005	C5D042	2AX 18500 GW 161 HP G	17,269	12.39	16.17	1.36	2.45	6.03	2.96	7.75	59			
8010	C6D042	2AX 19200 GW 161 HP G	18,719	12.76	16.66	1.48	2.67	6.03	3.22	7.75	63			
8015	C6D042	2AX 23160 GW 165 HP D	26,115	11.79	15.62	2.08	3.77	3.99	4.57	5.19	73			
8020	C7D042	2AX 23160 GW 179 HP G	20,151	14.06	18.34	1.59	2.86	6.70	3.45	8.62	78			
8025	C7D042	2AX 29900 GW 225 HP D	38,648	16.91	22.39	3.08	5.58	5.44	6.74	7.08	96			
8030	C7D064	3AX 44860 GW 207 HP G	35,726	25.02	32.73	2.79	5.17	11.52	6.28	14.84	123			
8035	C7D064	3AX 44500 GW 205 HP D	42,383	21.02	27.81	3.33	6.19	7.44	7.53	9.67	127			
8040	J8C042	2AX 33200 GW 235 HP D	47,599	23.52	31.15	3.77	7.08	8.53	8.64	11.09	107			
8045	J8C064	3AX 48860 GW 210 HP D	54,020	24.21	32.12	4.26	7.99	7.62	9.73	9.91	140			
8050	J9C042	2AX 53911 GW 230 HP D	52,836	20.70	27.48	4.21	7.65	5.57	9.26	7.24	122			
8055	J9C064	3AX 48860 GW 300 HP D	62,396	30.53	40.44	4.94	9.28	10.89	11.31	14.16	144			
8060	N9E064	3AX 52000 GW 307 HP D	64,383	31.46	41.66	5.08	9.50	11.14	11.57	14.49	141			
8065	N9E064	3AX 62000 GW 307 HP D	75,540	34.45	45.68	5.97	11.17	11.14	13.60	14.49	180			
<b>INTERNATIONAL</b>														
8075	1654	2AX 16000 GW 155 HP D	19,529	9.79	12.93	1.56	2.83	3.75	3.42	4.88	57			
8080	1724	2AX 16000 GW 147 HP G	17,793	11.78	15.40	1.42	2.57	5.51	3.11	7.08	65			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE	BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL				
<b>TRUCKS, HIGHWAY (CONT'D)</b> ***** <b>(CHASSIS ONLY)</b>													
<b>INTERNATIONAL (CONT'D)</b>													
8085	1754 2AX	16000 GVW 165 HP D	25,040	11.46	15.19	2.00	3.65	3.99	4.43	5.19			
8090	1954 2AX	21700 GVW 180 HP D	31,861	13.68	18.14	2.54	4.63	4.36	5.61	5.66			
8095	F2554 3AX	43000 GVW 210 HP D	49,999	23.19	30.73	3.94	7.37	7.62	8.97	9.91			
8100	F2574 3AX	50000 GVW 230 HP D	65,122	27.97	37.15	5.16	9.70	8.35	11.83	10.85			
8105	F4370 3AX	48860 GVW 300 HP D	68,452	32.06	42.52	5.43	10.21	10.89	12.45	14.16			
8110	F5050 3AX	54000 GVW 210 HP D	66,867	27.48	36.54	5.30	9.97	7.62	12.16	9.91			
8115	F5070 3AX	54000 GVW 230 HP D	69,779	29.16	38.75	5.53	10.42	8.35	12.70	10.85			
<b>KENWORTH</b>													
8125	K100 3AX	48000 GVW 85000 GOW 300 HP D	73,171	33.31	44.20	5.80	10.92	10.89	13.32	14.16			
8130	W900 3AX	48000 GVW 85000 GOW 300 HP D	73,755	33.47	44.39	5.85	11.02	10.89	13.42	14.16			
8135	C500 3AX	56000 GVW 85000 GOW 270 HP D	79,136	33.44	44.44	6.29	11.85	9.80	14.44	12.74			
<b>PETERBILT</b>													
8145	MOD 348 3AX	50000 GVW 85000 GOW 245 HP D	80,514	32.85	43.73	6.37	11.98	8.89	14.60	11.56			
8150	MOD 362 3AX	46000 GVW 85000 GOW 300 HP D	71,290	32.83	43.55	5.65	10.63	10.89	12.96	14.16			
8155	MOD 359 3AX	46000 GVW 85000 GOW 300 HP D	68,939	32.24	42.74	5.46	10.27	10.89	12.52	14.16			
8160	MOD 353 3AX	56000 GVW 130000 GOW 350 HP D	77,526	36.75	48.72	6.16	11.60	12.70	14.14	16.52			
<b>TRUCK ACCESSORIES</b> ***** <b>(CHASIS NOT INCLUDED)</b>													
<b>CRANES, HYDRAULIC</b>													
8170	5.3T@5'RAD	24000 GVW MIN	28,967	7.88		2.33	4.48	0.00		79			
8175	8.0T@3'RAD	26500 GVW MIN	34,546	9.38		2.79	5.35	0.00		84			
8180	12.5T@4'RAD	27000 GVW MIN	53,795	14.54		4.33	8.33	0.00		142			
8185	13.5T@4'RAD	44000 GVW MIN	66,091	17.84		5.32	10.23	0.00		158			
8190	15.0T@4'RAD	48000 GVW MIN	74,018	19.96		5.95	11.45	0.00		211			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	ADJUSTABLE ELEMENTS					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	TRUCK ACCESSORIES (CONT'D) ***** (CHASIS NOT INCLUDED)										
	DUMP BODY, REAR, W/HOIST										
8200	5CY 24000 TO 26000 GVW	7,120	2.02	2.68	0.58	1.11	0.00	1.35	0.00	26	
8205	AIR GATE 8CY 27000 TO 30000 GVW	11,327	3.14	4.21	0.91	1.75	0.00	2.15	0.00	44	
8210	AIR GATE 10CY 36000 AND UP GVW	11,465	3.18	4.25	0.93	1.78	0.00	2.17	0.00	45	
8215	AIR GATE 12CY 36000 AND UP GVW	11,639	3.22	4.32	0.94	1.80	0.00	2.21	0.00	46	
	FLATBEDS W/CONT. SIDES										
8225	8'X9.5'	2,359	0.63		0.19	0.36	0.00			11	
8230	8'X10.5'	2,450	0.66		0.20	0.38	0.00			12	
8235	8'X12.5'	2,701	0.73		0.22	0.42	0.00			14	
8240	8'X14.5'	3,192	0.86		0.26	0.50	0.00			16	
8245	8'X16.5'	3,510	0.95		0.29	0.55	0.00			18	
8250	FLATBED-HOIST	3,152	0.85		0.26	0.49	0.00			10	
	HOISTS, ELECTRIC										
8260	1500LB@1.75'	2,572	0.78		0.20	0.39	0.00			4	
8265	2400LB@3'	3,025	0.91		0.25	0.47	0.00			6	
8270	5000LB@4'	8,322	2.32		0.67	1.28	0.00			15	
8275	6000LB@6'	9,315	2.60		0.75	1.44	0.00			14	
	TRANSIT MIXERS										
8285	7 CY 40000 - 50000 GVW RQD	29,590	8.08		2.38	4.58	0.00			63	
8290	8 CY 50000 - 70000 GVW RQD	30,099	8.22		2.43	4.66	0.00			66	
8295	8.5CY 55000 - 75000 GVW RQD	30,442	8.31		2.46	4.72	0.00			68	
8300	9 CY 61000 - 80000 GVW RQD	30,980	8.46		2.50	4.80	0.00			73	
	WATER TANKS										
8310	2000 GAL 23500-28000 GVW	13,356	3.58		1.07	2.06	0.00			35	
8315	2500 GAL 25000-34950 GVW	14,123	3.79		1.14	2.19	0.00			39	

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	OWNER-SHIP						
					SEVERE			SEVERE COND.						
<b>TRUCK ACCESSORIES (CONT'D)</b> ***** <b>(CHASIS NOT INCLUDED)</b>														
<b>WATER TANKS (CONT'D)</b>														
8320	3000 GAL 29000-40000 GW	15,074	4.04		1.21	2.33	0.00		44					
<b>TRUCK TRAILERS</b> *****														
<b>BOTTOM DUMP</b>														
8330	18CY 27T	30,444	6.93	8.68	2.20	3.96	0.00	4.58	0.00					
8335	20CY 30T	35,998	8.12	10.19	2.61	4.72	0.00	5.46	0.00					
8340	30CY 30T	36,808	8.29	10.41	2.66	4.83	0.00	5.59	0.00					
8345	28CY 42T	43,600	9.82	12.35	3.15	5.69	0.00	6.59	0.00					
8350	20CY 35T OFF-HIGHWAY	50,536	11.31	14.23	3.67	6.65	0.00	7.70	0.00					
8355	32CY 55T OFF-HIGHWAY	103,488	23.52	29.50	7.41	13.24	0.00	15.29	0.00					
8360	43CY 70T OFF-HIGHWAY	113,157	25.86	32.39	8.08	14.37	0.00	16.57	0.00					
<b>END DUMP</b>														
8370	20CY 24T	40,002	8.98	11.28	2.90	5.27	0.00	6.09	0.00					
<b>LOWBOY, RIGID NECK, DROP DECK</b>														
8380	25 TON 2 AXLE	23,773	4.92		1.76	2.85	0.00		89					
8385	30 TON 2 AXLE	26,242	5.43		1.94	3.15	0.00		94					
8390	35 TON 2 AXLE	28,787	5.94		2.13	3.45	0.00		109					
8395	35 TON 3 AXLE	33,351	6.93		2.47	3.99	0.00		134					
8400	40 TON 3 AXLE	34,912	7.27		2.58	4.15	0.00		144					
8405	50 TON 3 AXLE	40,069	8.30		2.96	4.78	0.00		161					
8410	60 TON 3 AXLE	43,633	9.08		3.21	5.15	0.00		188					
8415	70 TON 3 AXLE	52,623	10.82		3.89	6.30	0.00		213					
8420	75 TON 3 AXLE	54,455	11.16		4.03	6.53	0.00		228					
8425	80 TON 4 AXLE	61,719	12.66		4.57	7.43	0.00		266					
8430	90 TON 4 AXLE	66,744	13.69		4.94	8.01	0.00		297					

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					
<b>TRUCK TRAILERS (CONT'D)</b> *****														
<b>LOWBOY (CONT'D)</b>														
8435	100 TON 4 AXLE	72,214	14.82		5.34	8.66	0.00			313				
8440	120 TON 4 AXLE	83,694	17.39		6.15	9.85	0.00			351				
8445	HELPER DOLLY 60 T TRAILER MAX	20,059	4.27		1.47	2.34	0.00			62				
<b>PLATFORM TRAILERS</b>														
8455	25 TON 2 AXLE	20,206	4.29		1.47	2.35	0.00			110				
<b>PUP TRAILERS</b>														
8465	8 CY LONG TONGUE	23,736	4.99		1.74	2.80	0.00			86				
8470	10CY LONG TONGUE	23,904	5.02		1.76	2.82	0.00			86				
<b>TIILT TRAILERS</b>														
8480	12 TON 2 AXLE	13,027	2.79		0.95	1.52	0.00			62				
8485	16 TON 2 AXLE	14,781	3.19		1.08	1.72	0.00			65				
8490	20 TON 2 AXLE	15,987	3.44		1.17	1.86	0.00			67				
<b>WATER TANKER TRAILERS</b>														
8500	4000 GAL	63 HP D	35,901	9.65		2.51	4.22	2.59		120				
8505	5000 GAL	63 HP D	38,485	10.19		2.67	4.44	2.59		150				
8510	6000 GAL	63 HP D	40,277	10.50		2.80	4.65	2.59		160				
<b>TRUCKS, OFF-HIGHWAY</b> *****														
<b>CATERPILLAR</b>														
8520	769-C 35T 22-30 CY	P.S. 450 HP D	310,756	78.59	99.83	21.36	36.84	11.66	41.17	15.07				
8525	773-B 50T 30-45 CY	P.S. 650 HP D	435,253	112.32	143.56	29.81	51.18	16.85	57.18	21.76				
8530	777 85T 47-67 CY	P.S. 870 HP D	606,927	152.82	195.04	41.31	70.34	22.55	78.50	29.13				
8535	768C PRIME MOVER TRACTOR	P.S. 450 HP D	277,414	72.36	92.25	19.03	32.75	11.66	36.60	15.07				
8540	772B PRIME MOVER TRACTOR	P.S. 650 HP D	413,834	110.48	142.69	28.18	48.00	16.85	53.57	21.76				

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				
<b>TRUCKS, OFF-HIGHWAY (CONT'D)</b> *****													
<b>DJB (ARTICULATED FRAME)</b>													
8550	D275B 27.5T 15-20 CY	P.S. 235 HP D	206,660	49.51	62.47	14.17	24.36	6.09	27.22	7.87	424		
8555	D330B 33T 17-23 CY	P.S. 255 HP D	244,699	57.45	72.24	16.81	28.97	6.61	32.38	8.54	444		
8560	D350B 35T 20-26 CY	P.S. 255 HP D	255,572	61.43	78.24	17.39	29.61	6.61	33.04	8.54	472		
8565	D550 55T 32-43 CY	P.S. 450 HP D	426,340	102.67	130.46	29.07	49.62	11.66	55.39	15.07	834		
<b>EUCLID</b>													
8575	R25-215FD 25T 14-19 CY	P.S. 214 HP D	205,972	47.94	60.41	14.14	24.35	5.55	27.23	7.16	404		
8580	R35-302TD 35T 22-30 CY	P.S. 450 HP D	322,651	80.35	101.68	22.22	38.41	11.66	42.95	15.07	623		
8585	R50-301LD 50T 31-41 CY	P.S. 608 HP D	424,207	108.80	139.17	29.04	49.83	15.76	55.67	20.36	836		
8590	R75-301ND 75T 46-69 CY	P.S. 646 HP D	566,908	136.61	174.03	38.62	65.85	16.74	73.50	21.63	1123		
8595	R85-306ND 85T 52-67 CY	P.S. 755 HP D	584,227	144.58	184.73	39.73	67.56	19.57	75.39	25.28	1227		
<b>INTERNATIONAL</b>													
8605	350B 50T 31-42 CY	P.S. 580 HP D	411,210	104.15	132.94	28.29	48.88	15.03	54.65	19.42	740		
<b>TEREX</b>													
8615	33-03B 22T 15-18 CY	P.S. 215 HP D	182,673	44.45	56.43	12.55	21.65	5.57	24.20	7.20	400		
8620	33-05B 30T 19-23 CY	P.S. 321 HP D	259,768	63.91	81.21	17.85	30.76	8.32	34.38	10.75	525		
8625	33-07 40T 25-32 CY	P.S. 493 HP D	321,679	85.21	109.94	21.91	37.36	12.78	41.71	16.51	756		
8630	33-09 55T 34-44 CY	P.S. 624 HP D	433,284	113.21	145.95	29.53	50.38	16.17	56.24	20.89	992		
8635	33-11C 85T 51-65 CY	P.S. 840 HP D	609,535	152.27	194.29	41.50	70.67	21.77	78.86	28.12	1350		
<b>WABCO</b>													
8645	HAULPAK35D 35T 23-29 CY	P.S. 420 HP D	320,291	79.33	100.65	22.02	38.00	10.89	42.48	14.06	630		
8650	HAULPAK50B 50T 31-40 CY	P.S. 576 HP D	444,847	111.55	142.42	30.48	52.36	14.93	58.50	19.28	792		
8655	HAULPAK60B 60T 34-48 CY	P.S. 642 HP D	480,551	122.68	157.51	32.82	56.17	16.64	62.72	21.49	900		
8660	75C 75T 44-57 CY	P.S. 679 HP D	539,451	132.07	168.17	36.77	62.73	17.60	70.03	22.73	950		
8665	85D 85T 47-67 CY	P.S. 818 HP D	601,760	150.05	191.54	40.95	69.71	21.20	77.79	27.39	1240		

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														
8675	KT-50	5000 GAL. CAT 613B P.S. 150 HP D	145,822	35.93	43.75	10.26	16.51	6.16	18.27	8.10	320			
8680	KT-60	6000 GAL. CAT 621B P.S. 330 HP D	253,242	66.80	81.87	17.72	28.31	13.54	31.29	17.82	564			
8685	KT-80	8000 GAL. CAT 631D P.S. 450 HP D	346,783	91.71	112.45	24.23	38.59	18.47	42.62	24.30	740			
8690	KT-100	10000 GAL. CAT 631D P.S. 450 HP D	356,009	93.39	114.44	24.88	39.67	18.47	43.84	24.30	798			
8695	KT-100	10000 GAL. CAT 641B P.S. 550 HP D	400,131	107.80	132.39	27.91	44.36	22.57	48.98	29.70	931			
8700	KT-120	12000 GAL. CAT 651B P.S. 550 HP D	422,554	111.88	137.21	29.51	47.00	22.57	51.92	29.70	1097			
TRACTOR DRAWN - SOUTHWEST														
8710	STT-60	6000 GAL. CAT 621B P.S. 330 HP D	251,439	66.48	81.48	17.59	28.10	13.54	31.05	17.82	594			
8715	STT-80	8000 GAL. CAT 631D P.S. 450 HP D	344,787	91.34	112.03	24.08	38.35	18.47	42.37	24.30	800			
8720	STT-100	10000 GAL. CAT 631D P.S. 450 HP D	349,501	92.21	113.05	24.42	38.91	18.47	42.99	24.30	840			
8725	STT-120	12000 GAL. CAT 651B P.S. 550 HP D	425,950	112.50	137.94	29.75	47.40	22.57	52.36	29.70	1054			
8730	STT-140	14000 GAL. CAT 651B P.S. 550 HP D	432,501	113.69	139.35	30.22	48.17	22.57	53.22	29.70	1089			
WAGONS, BOTTOM DUMP														
*****														
CATERPILLAR-ATHEY														
8740	621B/PW621B	33T 22-26CY P.S. 330 HP D	267,744	72.58	93.29	18.28	31.27	13.54	34.92	17.82	579			
8745	768B/PW768C	63T 42-48CY P.S. 450 HP D	407,953	107.65	137.84	27.78	47.33	18.47	52.83	24.30	935			
8750	772B/PW772B	100T 60-67CY P.S. 650 HP D	649,282	173.15	225.56	43.95	74.26	26.68	82.78	35.10	1350			
EUCLID														
8760	B30-303TDI301W	30T 21-27CY P.S. 277 HP D	243,212	65.08	83.70	16.57	28.22	11.37	31.48	14.96	483			
8765	B70-203LDT147W	70T 47-62CY P.S. 423 HP D	413,574	102.76	129.29	28.47	49.24	17.36	55.07	22.84	934			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
WAGONS, REAR DUMP *****													
CATERPILLAR-ATHey													
8775	621B/PR621B	33T 22-26CY P.S. 330 HP D	280,660	75.12	96.41	19.17	32.80	13.54	36.62	17.82	630		
8780	531D/PR631D	40T 27-32CY P.S. 450 HP D	397,219	105.08	134.68	27.16	46.55	18.47	51.99	24.30	833		
WATER BLASTER *****													
AMERICAN AERO													
8790	WBD 90 10000 PSI @ 10 GPM W/2 NOZ	91 HP D TRAILER MOUNTED	36,091	22.42		3.25	6.80	5.50			42		
8795	WBDI50 10000 PSI @ 20 GPM W/2 NOZ	160 HP D TRAILER MOUNTED	54,806	35.76		4.94	10.34	9.68			70		
WATER TANKS *****													
SKID MOUNTED													
8805	WST-8	8000 GAL. SOUTHWEST	18,864	3.30		1.33	2.27	0.00			107		
8810	WST-10	10000 GAL. SOUTHWEST	21,911	3.83		1.55	2.64	0.00			122		
8815	WST-12	12000 GAL. SOUTHWEST	25,494	4.45		1.80	3.06	0.00			142		
PORTABLE (WITH WHEELS)													
8825	EWT-8	8000 GAL. SOUTHWEST	8 HP G	32,627	6.48		2.29	3.84	0.56		130		
8830	EWT-10	10000 GAL. SOUTHWEST	8 HP G	37,478	7.32		2.63	4.42	0.56		170		
8835	EWT-12	12000 GAL. SOUTHWEST	8 HP G	41,479	8.03		2.92	4.91	0.56		185		
WELDERS *****													
ELECTRIC DRIVE - AC 3 PHASE 60 HZ													
8845	800 AMP	SKID MTD	20 HP E	2,679	1.51		0.21	0.40	0.72		7		
8850	400 AMP	SKID MTD	25 HP E	3,218	1.87		0.27	0.49	0.90		9		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
<b>WELDERS (CONT'D)</b> *****																			
<b>GASOLINE ENGINE DRIVE</b>																			
8860	200 AMP	W/1 AXLE TRLR	39 HP G	5,295	5.90		0.47	0.90	3.38	11									
8865	250 AMP	W/1 AXLE TRLR	39 HP G	5,709	6.04		0.51	0.98	3.38	17									
8870	300 AMP	W/1 AXLE TRLR	65 HP G	6,168	8.99		0.55	1.07	5.63	17									
8875	400 AMP	W/1 AXLE TRLR	69 HP G	7,837	9.98		0.70	1.36	5.98	21									
<b>DIESEL ENGINE DRIVE</b>																			
8885	250 AMP	W/1 AXLE TRLR	27 HP D	7,365	4.09		0.66	1.27	1.37	21									
8890	300 AMP	W/1 AXLE TRLR	38 HP D	7,838	4.95		0.70	1.36	1.93	21									
8895	350 AMP	W/2 AXLE TRLR	38 HP D	8,850	5.26		0.78	1.51	1.93	25									
8900	400 AMP	W/2 AXLE TRLR	64 HP D	9,648	7.16		0.86	1.65	3.25	30									
<b>MIG</b>																			
8910	300AMP W/WIRE FEED AND SHOP GEAR	10 HP E		2,674	1.04		0.21	0.40	0.36	5									
8915	450AMP W/WIRE FEED AND SHOP GEAR	20 HP E		2,747	1.53		0.22	0.41	0.72	5									
<b>RECTIFIER</b>																			
8925	200 AMP	W/SHOP RUNNING GEAR	19 HP E	1,253	1.16		0.10	0.19	0.68	4									
8930	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,629	1.47		0.13	0.24	0.86	6									
8935	750 AMP	W/SHOP RUNNING GEAR	30 HP E	4,225	2.30		0.34	0.63	1.08	7									
8940	1000AMP	W/SHOP RUNNING GEAR	42 HP E	7,342	3.54		0.59	1.10	1.51	10									
<b>TRANSFORMER-RECTIFIER</b>																			
8950	250 AMP	W/SHOP RUNNING GEAR	19 HP E	629	1.03		0.06	0.10	0.68	4									
8955	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,918	1.53		0.16	0.29	0.86	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 200-HP wheel loader listed in TABLE 3-1 has a total hourly rate of \$55.00 per hour and an ownership rate of \$25.00 per hour.

A. If an equivalent loader owned by a contractor had been purchased new in 1980, the total hourly rate can be determined as follows:

Total Hourly Rate	= \$55.00/Hr.
Ownership Rate	(-) \$25.00/Hr.
Ownership adjusted for Age: (Ownership Rate) x (Age Adj. Factor)	
= (\$25.00) x (.73)	= (+) \$18.25/Hr.
Adjusted Total Hourly Rate	= \$48.25/Hr.

B. If an equivalent loader owned by a Contractor had been purchased new in 1972, this loader is over-age and the total hourly rate can be determined as follows:

Total Hourly Rate	= \$55.00/Hr.
Ownership Rate	(-) \$25.00/Hr.
Ownership adjusted for Age: (Ownership Rate) x (Oldest Age Adj. Factor)	
= (\$25.00) x (.50)	= (+) \$12.50/Hr.
Adjusted Total Hourly Rate	= \$42.50/Hr.

C. If an equivalent loader, manufactured in 1972, had been purchased used in 1978 by the Contractor, the loader is over-age and the rate computation would be identical to Example B.

D. If an equivalent loader, manufactured in 1980, had been purchased used in 1982 by the Contractor, the used loader is not over-age and the rate computation would be identical to Example A.

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975		
15	AGGREGATE SPREADERS	1.03	1.01	1.00	1.02	0.95	0.88	0.80	0.73	0.67				
30	AIR COMPRESSORS	1.05	1.00	1.00	0.98	0.91	0.96	0.88	0.77	0.73				
45	AIR TOOLS, SANDBLASTERS, ETC	1.05	1.00	1.00	0.98									
60	ASPHALT DISTRIBUTORS	1.03	1.01	1.00	1.02	0.95	0.88	0.80	0.73	0.67				
65	ASPHALT AND CONCRETE PAVERS	1.03	1.01	1.00	1.02	0.95	0.88	0.80	0.73	0.67				
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.02	1.00	0.97	0.90	0.80	0.70						
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.04	1.02	1.00	0.97	0.90	0.80	0.69	0.62	0.56				
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.98	0.90	0.81	0.70	0.63	0.57				
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	1.02	0.96	0.86	0.71	0.64	0.59				
95	BUCKETS, CONCRETE	1.03	1.01	1.00	1.02	0.96	0.85	0.71	0.63	0.58				
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.97	0.90	0.80	0.70						
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.97	0.90	0.80	0.70						
125	CONCRETE FINISHERS & BUGGIES	1.04	1.02	1.00	0.97	0.89	0.79							
130	CONCRETE SAWS	1.04	1.02	1.00	0.97	0.90	0.80	0.70						
135	CONCRETE VIBRATORS	1.05	1.00	1.00	0.98									
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.05	1.00	1.00	0.98	0.91	0.96							
150	0 THRU 25 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.53	0.43	
165	OVER 25 TON THRU 50 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.54	0.43	0.36
170	OVER 50 TON THRU 150 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.76	0.69	0.64	0.60	0.55	0.45	0.38
180	OVER 150 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.76	0.69	0.64	0.60	0.55	0.45	0.38
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.62	0.58	0.53		
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.54	0.43	0.36
195	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.76	0.69	0.64	0.60	0.55	0.45	0.38
196	OVER 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.76	0.69	0.64	0.60	0.55	0.45	0.38
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.05	1.03	1.00	0.98	0.91	0.84	0.76	0.69	0.64	0.60	0.55	0.44	0.38
205	CRANES, TOWER	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.69	0.63	0.59	0.54	0.44	0.37
	CRANES & HYD. EXC., TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.05	1.03	1.00	0.98	0.91	0.84	0.76	0.69	0.64	0.60	0.54	0.44	0.37
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.03	1.00	0.98	0.91	0.84	0.76	0.69	0.64	0.60	0.55	0.45	0.38
230	66 THRU 125 T	1.05	1.03	1.00	0.98	0.92	0.84	0.76	0.70	0.65	0.61	0.55	0.45	0.39
240	OVER 125 T	1.05	1.03	1.00	0.98	0.92	0.85	0.76	0.70	0.65	0.61	0.56	0.46	0.39
255	DRILL, AUGER	1.01	0.99	1.00	0.99	0.91	0.78	0.67	0.62	0.56				
270	DRILL, BLAST HOLE	1.01	0.99	1.00	0.99	0.91	0.78	0.67	0.62	0.56				
300	DRILL, CORE	1.01	0.99	1.00	0.99	0.91	0.78	0.67	0.62	0.56				
315	DRILL, ROTARY TO 11" DIA. HOLE	1.01	0.99	1.00	0.99	0.91	0.79	0.69	0.64	0.58	0.56	0.53	0.46	0.41
330	DRILL, ROTARY OVER 11" DIA.	1.01	0.99	1.00	0.99	0.92	0.79	0.70	0.65	0.59	0.57	0.54	0.47	0.43
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.01	0.99	1.00	0.99	0.92	0.79	0.70	0.65	0.59	0.57	0.54	0.47	0.43
375	FORK LIFTS	1.04	1.02	1.00	0.98	0.90	0.80	0.70	0.63	0.57				
390	GRADERS	1.05	1.03	1.00	0.98	0.89	0.80	0.71	0.65	0.58	0.54	0.49		
420	GENERATORS	1.05	1.03	1.00	0.97	0.95	0.84	0.70						
435	HOIST	1.04	1.02	1.00	0.98	0.90	0.81	0.70	0.63	0.57				
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
440	LIGHT PLANTS	1.04	1.02	1.00	0.97	0.90	0.80	0.69						
450	LOADER, BELT	1.04	1.02	1.00	0.97	0.90	0.80	0.69	0.62	0.56				
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.02	1.00	1.00	0.96	0.87	0.79	0.70	0.62	0.55				
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.05	1.03	1.00	0.98	0.87	0.73	0.63	0.56	0.50				
470	OVER 225 HP	1.05	1.03	1.00	0.98	0.88	0.74	0.65	0.59	0.53	0.49	0.46		
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.05	1.03	1.00	0.98	0.87	0.73	0.63	0.56	0.50				

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.02	1.00	0.97	0.89	0.78							
485	PIPELAYERS	1.02	1.00	1.00	0.96	0.87	0.78	0.69	0.61	0.53	0.48	0.43		
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.97	0.90	0.80	0.69	0.62	0.56				
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.97	0.90	0.80	0.69	0.62	0.56				
510	RIPPERS	1.02	1.00	1.00	0.96	0.87	0.78	0.69						
525	ROLLERS, EXCEPT VIB. ROLLERS	1.08	1.05	1.00	0.91	0.84	0.76	0.68	0.60	0.53				
530	ROLLERS, VIBRATORY	1.08	1.05	1.00	0.91	0.84	0.75	0.67						
540	SCRAPERS, STANDARD	1.05	1.02	1.00	0.98	0.89	0.81	0.72	0.66	0.59				
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.05	1.02	1.00	0.98	0.89	0.81	0.72	0.66	0.59				
545	0 THRU 200 HP	1.05	1.03	1.00	0.98	0.89	0.80	0.71	0.65	0.58				
550	OVER 200 HP	1.05	1.02	1.00	0.98	0.89	0.81	0.72	0.66	0.59				
555	SCRAPERS, TRACTOR DRAWN	1.05	1.02	1.00	0.98	0.89	0.81	0.72	0.66	0.60	0.55	0.51		
560	SOIL STABILIZERS SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED	1.05	1.03	1.00	0.98	0.89	0.80	0.71	0.65	0.58				
570	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.90	0.82	0.73						
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.62				
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.54		
600	OVER 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.69	0.64	0.59	0.54	0.44	
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.05	1.03	1.00	0.98	0.91	0.84	0.76	0.69	0.64	0.60	0.55	0.45	
615	0 THRU 225 HP	1.02	1.00	1.00	0.96	0.87	0.78	0.69	0.61	0.54				
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.02	1.00	1.00	0.96	0.88	0.79	0.71	0.63	0.56				
625	OVER 425 HP	1.02	1.00	1.00	0.96	0.88	0.80	0.71	0.64	0.57	0.52	0.48		
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.02	1.00	1.00	0.96	0.87	0.79	0.70	0.62	0.55				
645	TRACTOR, WHEEL TYPE	1.05	1.03	1.00	0.99	0.91	0.80	0.70	0.62	0.56				
650	TRENCHER	1.04	1.02	1.00	0.93	0.81	0.70	0.60	0.55	0.48				
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.98	0.90	0.81	0.71	0.64	0.58				
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.04	1.02	1.00	0.97	0.90	0.79	0.68	0.60	0.54				
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.04	1.02	1.00	0.97	0.90	0.80	0.70						
675	ALL OTHER ACCESSORIES	1.04	1.02	1.00	0.97	0.90	0.80	0.70						
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.08	1.05	1.00	0.95	0.88	0.75							
695	OVER 10,000 THRU 30,000 GVW	1.08	1.05	1.00	0.96	0.88	0.76	0.67						
705	OVER 30,000 GVW	1.07	1.05	1.00	0.96	0.89	0.77	0.68						
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.98	0.89	0.78	0.67	0.61	0.56	0.53	0.50		
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.98	0.89	0.78	0.67	0.61	0.56	0.53	0.50		
780	WAGON, WATER	1.03	1.01	1.00	0.98	0.89	0.77	0.66	0.59	0.54	0.51	0.47		
785	WATER BLASTER	1.04	1.02	1.00	0.97	0.90	0.80							
795	WATER TANKS	1.04	1.02	1.00	0.98	0.90	0.81	0.71	0.64	0.58	0.53	0.49		
810	WELDERS	1.05	1.02	1.00	0.97	0.89	0.78							
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.97	0.90	0.80	0.69						



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 200-HP wheel loader listed in TABLE 3-1 has an hourly standby rate of \$12.00 per hour. If an equivalent loader owned by a Contractor had been purchased new in 1980, the hourly standby rate can be determined as follows:

$$\text{Hourly Standby Rate} = \$12.00/\text{Hr.}$$

$$\begin{aligned} \text{Standby Adjusted for Age} & \\ (\text{Standby Rate}) \times (\text{Age Adj. Factor}) & \\ = (\$12.00) \times (.77) & = \$ 9.24/\text{Hr.} \end{aligned}$$

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

KEY NO.	TYPE OF EQUIPMENT	<u>YEAR PURCHASED NEW</u>											
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	
15	AGGREGATE SPREADERS	1.03	1.01	1.00	1.01	0.95	0.89	0.82	0.76	0.71			
30	AIR COMPRESSORS	1.04	1.00	1.00	0.98	0.93	0.96	0.90	0.81	0.77			
45	AIR TOOLS, SANDBLASTERS, ETC	1.05	1.00	1.00	0.98								
60	ASPHALT DISTRIBUTORS	1.03	1.01	1.00	1.01	0.95	0.89	0.82	0.76	0.71			
65	ASPHALT AND CONCRETE PAVERS	1.03	1.01	1.00	1.01	0.95	0.89	0.82	0.76	0.71			
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
	BACKHOE (SEE KEY NO. 570-601)												
75	BROOMS	1.04	1.02	1.00	0.98	0.92	0.83	0.74	0.68	0.62			
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.98	0.91	0.83	0.74	0.67	0.62			
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	1.02	0.97	0.87	0.74	0.67	0.62			
95	BUCKETS, CONCRETE	1.03	1.01	1.00	1.02	0.97	0.87	0.74	0.67	0.63			
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
125	CONCRETE FINISHERS & BUGGIES	1.04	1.02	1.00	0.98	0.91	0.82						
130	CONCRETE SAWS	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
135	CONCRETE VIBRATORS	1.05	1.00	1.00	0.98								
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.05	1.00	1.00	0.98	0.92	0.96						
150	0 THRU 25 TON	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.59	0.49
165	OVER 25 TON THRU 50 TON	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.72	0.68	0.64	0.59	0.50
170	OVER 50 TON THRU 150 TON	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.73	0.68	0.64	0.60	0.51
180	OVER 150 TON	1.04	1.02	1.00	0.98	0.92	0.86	0.79	0.73	0.68	0.65	0.60	0.51
	DRAGLINE & CLAMSHELL, CRAWLER												
185	0 THRU 1 CY	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.59	0.58
190	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.72	0.68	0.64	0.59	0.50
195	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.73	0.68	0.64	0.60	0.51
196	OVER 5 CY	1.04	1.02	1.00	0.98	0.92	0.86	0.79	0.73	0.68	0.65	0.60	0.51
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.59	0.49
205	CRANES, TOWER CRANES & HYD. EXC., TRK MTD	1.04	1.02	1.00	0.98	0.93	0.87	0.79	0.74	0.69	0.66	0.61	0.53
210	UNDER 26 T. (THRU 1 CY)	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.59	0.49
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.64	0.59	0.50
230	66 THRU 125 T	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.72	0.68	0.64	0.59	0.50
240	OVER 125 T	1.04	1.02	1.00	0.98	0.92	0.86	0.79	0.73	0.69	0.65	0.60	0.52
255	DRILL, AUGER	1.01	0.99	1.00	0.99	0.92	0.81	0.71	0.67	0.61			
270	DRILL, BLAST HOLE	1.01	0.99	1.00	0.99	0.92	0.81	0.71	0.67	0.61			
300	DRILL, CORE	1.01	0.99	1.00	0.99	0.92	0.81	0.71	0.67	0.61			
315	DRILL, ROTARY TO 11" DIA. HOLE	1.01	0.99	1.00	0.99	0.92	0.81	0.72	0.68	0.63	0.61	0.58	0.52
330	DRILL, ROTARY OVER 11" DIA.	1.01	0.99	1.00	0.99	0.92	0.82	0.73	0.69	0.63	0.61	0.59	0.53
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.01	0.99	1.00	0.99	0.92	0.82	0.73	0.69	0.63	0.61	0.59	0.49
375	FORK LIFTS	1.04	1.02	1.00	0.98	0.91	0.83	0.74	0.67	0.62			
390	GRADERS	1.04	1.02	1.00	0.98	0.91	0.83	0.75	0.70	0.64	0.61	0.57	
420	GENERATORS	1.05	1.03	1.00	0.98	0.95	0.85	0.72					
435	HOIST	1.04	1.02	1.00	0.98	0.91	0.83	0.74	0.67	0.62			
	HYD. EXCAVATOR (SEE KEY NO. 570-601)												
440	LIGHT PLANTS	1.04	1.02	1.00	0.98	0.91	0.83	0.73					
450	LOADER, BELT	1.04	1.02	1.00	0.98	0.92	0.83	0.74	0.68	0.62			
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.02	1.00	1.00	0.97	0.89	0.81	0.73	0.67	0.61			
	LOADER, WHEEL TYPE												
465	0 THRU 225 HP	1.05	1.03	1.00	0.98	0.89	0.77	0.69	0.63	0.58			
470	OVER 225 HP	1.05	1.03	1.00	0.98	0.89	0.77	0.69	0.63	0.57	0.54	0.51	
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.05	1.03	1.00	0.98	0.89	0.77	0.69	0.63	0.58			

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

KEY NO.	TYPE OF EQUIPMENT	<u>YEAR PURCHASED NEW</u>												
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.04	1.02	1.00	0.98	0.91	0.82							
485	PIPELAYERS	1.02	1.00	1.00	0.97	0.89	0.82	0.75	0.68	0.63	0.58	0.55		
495	PUMP, GROUT (SEE KEY NO. 105)	1.04	1.02	1.00	0.98	0.92	0.83	0.74	0.68	0.62				
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.98	0.92	0.83	0.74	0.68	0.62				
510	RIPPERS	1.02	1.00	1.00	0.96	0.88	0.81	0.73						
525	ROLLERS, EXCEPT VIB. ROLLERS	1.07	1.05	1.00	0.92	0.86	0.79	0.72	0.65	0.59				
530	ROLLERS, VIBRATORY	1.07	1.05	1.00	0.92	0.86	0.78	0.71						
540	SCRAPERS, STANDARD	1.04	1.02	1.00	0.98	0.90	0.83	0.74	0.69	0.63				
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.04	1.02	1.00	0.98	0.90	0.83	0.74	0.69	0.63				
545	0 THRU 200 HP	1.04	1.02	1.00	0.98	0.90	0.83	0.75	0.70	0.63				
550	OVER 200 HP	1.04	1.02	1.00	0.98	0.90	0.83	0.74	0.69	0.63				
555	SCRAPERS, TRACTOR DRAWN	1.04	1.02	1.00	0.98	0.90	0.83	0.75	0.70	0.64	0.60	0.56		
560	SOIL STABILIZERS	1.04	1.02	1.00	0.98	0.90	0.83	0.75	0.70	0.63				
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77						
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66				
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.67	0.63	0.58		
600	OVER 5 CY	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.58	0.49	0.43
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.73	0.68	0.64	0.60	0.51	0.45
615	0 THRU 225 HP	1.02	1.00	1.00	0.97	0.89	0.82	0.74	0.67	0.61				
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.02	1.00	1.00	0.96	0.89	0.81	0.73	0.66	0.60				
625	OVER 425 HP	1.02	1.00	1.00	0.97	0.89	0.81	0.74	0.67	0.61	0.56	0.52		
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.02	1.00	1.00	0.97	0.89	0.81	0.73	0.67	0.61				
645	TRACTOR, WHEEL TYPE	1.05	1.03	1.00	0.99	0.92	0.83	0.73	0.66	0.61				
650	TRENCHER	1.04	1.02	1.00	0.94	0.84	0.73	0.65	0.61	0.54				
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.98	0.91	0.83	0.74	0.67	0.62				
660	TRAILERS, FLATBED, LO-BOY AND TILT TRUCK ACCESSORIES FOR CHASSIS MOUNTING	1.04	1.02	1.00	0.98	0.92	0.83	0.74	0.68	0.63				
670	DUMP BODIES	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
675	ALL OTHER ACCESSORIES TRUCK, HIGHWAY	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
690	0 THRU 10,000 GVW	1.07	1.05	1.00	0.96	0.90	0.79							
695	OVER 10,000 THRU 30,000 GVW	1.07	1.04	1.00	0.96	0.90	0.80	0.72						
705	OVER 30,000 GVW	1.07	1.04	1.00	0.96	0.90	0.79	0.72						
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.98	0.90	0.80	0.70	0.65	0.60	0.57	0.54		
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.98	0.90	0.80	0.70	0.65	0.60	0.57	0.54		
780	WAGON, WATER	1.03	1.01	1.00	0.98	0.90	0.81	0.71	0.66	0.61	0.58	0.56		
785	WATER BLASTER	1.04	1.02	1.00	0.98	0.91	0.82							
795	WATER TANKS	1.04	1.02	1.00	0.98	0.92	0.83	0.74	0.68	0.63	0.59	0.55		
810	WELDERS	1.04	1.02	1.00	0.98	0.91	0.82							
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.98	0.91	0.83	0.73						

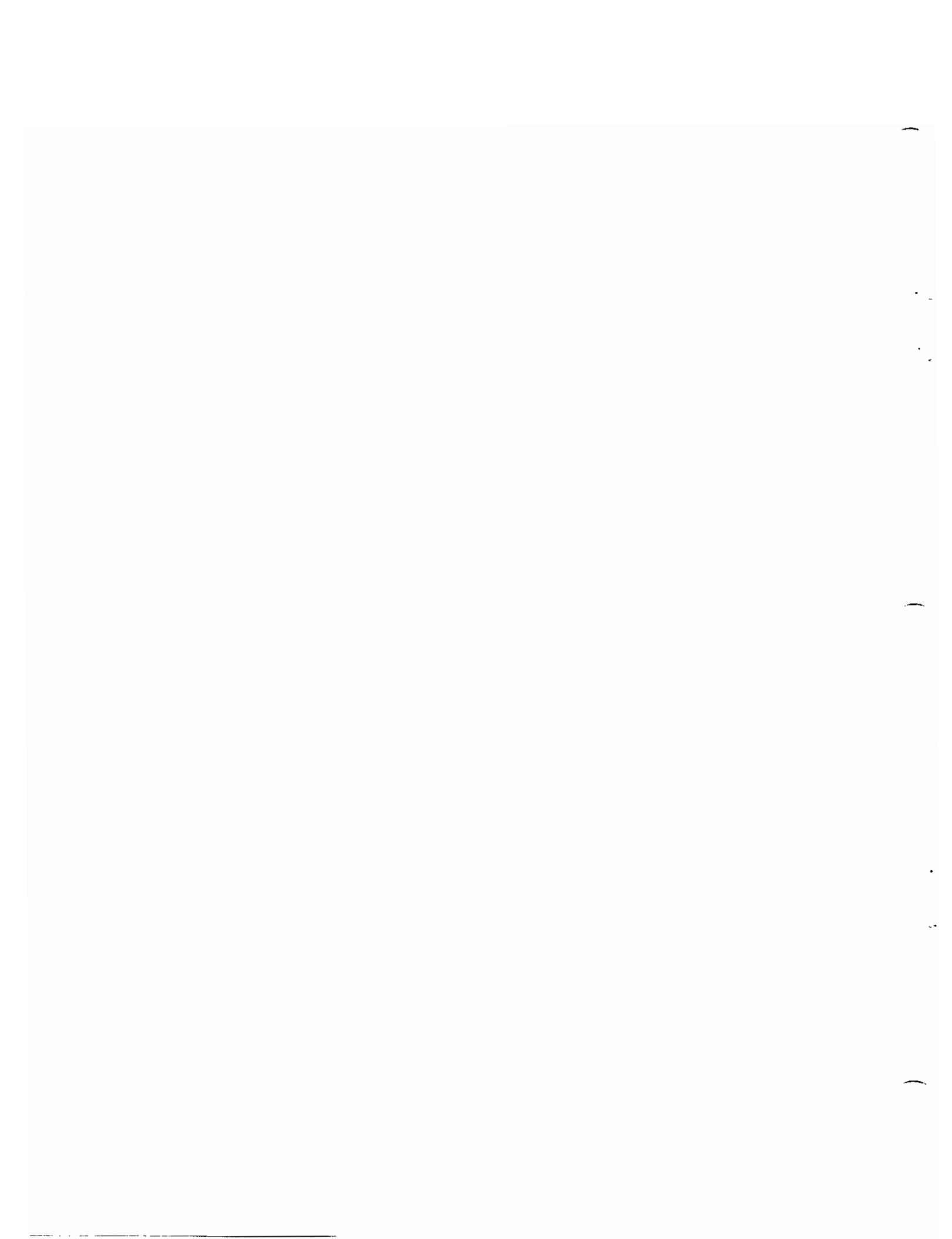


TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

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

Total Hourly Rate (adjusted for age)	= \$48.25/Hr.
Ownership Rate (adjusted for age)	(-) \$18.25/Hr.
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adj. Factor)	
= (\$18.25) x (.86)	= (+) \$15.70/Hr.
Adjusted Total Hourly Rate	= <u>\$45.70/Hr.</u>

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

Service Life From APP. D	Equipment Usage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.85	0.83
6,000	1.00	0.97	0.95	0.92	0.90	0.88	0.87	0.85	0.83	0.82	0.81	0.80	0.79
8,000	1.00	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.80	0.79	0.77	0.76	0.75
9,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.79	0.77	0.76	0.75	0.73
10,000	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
11,000	1.00	0.95	0.93	0.89	0.86	0.83	0.81	0.79	0.76	0.74	0.73	0.72	0.70
12,000	1.00	0.95	0.93	0.88	0.85	0.82	0.80	0.78	0.75	0.73	0.72	0.70	0.68
13,000	1.00	0.95	0.92	0.88	0.84	0.82	0.79	0.77	0.74	0.72	0.70	0.69	0.67
14,000	1.00	0.95	0.92	0.87	0.84	0.81	0.79	0.76	0.73	0.71	0.69	0.68	0.66
15,000	1.00	0.94	0.92	0.87	0.83	0.80	0.78	0.75	0.72	0.70	0.68	0.67	0.64
16,000	1.00	0.94	0.91	0.87	0.83	0.80	0.77	0.74	0.71	0.69	0.67	0.66	0.63
18,000	1.00	0.94	0.91	0.86	0.82	0.79	0.76	0.73	0.70	0.67	0.65	0.64	0.61
20,000	1.00	0.94	0.91	0.85	0.81	0.78	0.75	0.72	0.68	0.66	0.64	0.62	0.59
22,000	1.00	0.93	0.90	0.85	0.80	0.77	0.74	0.70	0.67	0.65	0.62	0.61	0.58
50,000	1.00	0.92	0.87	0.80	0.75	0.70	0.66	0.62	0.58	0.54	0.51	0.49	0.46

TABLE 3-5. HOURLY RATE ELEMENT

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
1010	4.87	3.43	10.04	2.41	0.23	0.03	5.56	26.57								
1015	5.43	3.82	4.54	1.09	0.23	0.03	6.19	21.33								
1030	0.89	0.70	3.53	1.13	0.03	0.00	1.11	7.39								
1035	1.08	0.84	1.35	0.38	0.03	0.00	1.34	5.02								
1040	1.09	0.85	4.94	1.58	0.03	0.00	1.36	9.85								
1045	1.16	0.91	2.09	0.59	0.03	0.00	1.45	6.23								
1050	1.19	0.93	4.94	1.58	0.03	0.00	1.48	10.15								
1055	1.35	1.05	2.22	0.62	0.03	0.00	1.68	6.95								
1060	1.23	0.96	4.94	1.58	0.03	0.00	1.53	10.27								
1065	1.45	1.13	2.83	0.79	0.03	0.00	1.80	8.03								
1070	2.19	1.70	3.61	1.01	0.04	0.01	2.71	11.27								
1075	2.68	2.12	5.01	1.40	0.14	0.02	3.35	14.72								
1080	3.47	2.72	6.24	1.75	0.14	0.02	4.32	18.66								
1085	4.15	3.26	7.72	2.16	0.16	0.02	5.17	22.64								
1090	4.86	3.80	9.36	2.62	0.16	0.02	6.05	26.87								
1095	5.51	4.30	10.67	2.99	0.16	0.02	6.85	30.50								
1100	6.06	4.72	11.08	3.10	0.16	0.02	7.53	32.67								
1105	6.82	5.31	12.07	3.38	0.16	0.02	8.48	36.24								
1110	8.12	6.31	16.42	4.60	0.16	0.02	10.09	45.72								
1115	9.17	7.13	18.71	5.24	0.19	0.03	11.39	51.86								
1130	0.33	0.10	0.00	0.07	0.00	0.00	0.81	1.31								
1135	0.59	0.18	0.00	0.07	0.00	0.00	1.47	2.31								
1140	0.60	0.18	0.00	0.07	0.00	0.00	1.49	2.34								
1145	0.66	0.20	0.00	0.14	0.00	0.00	1.65	2.65								
1150	0.90	0.27	0.00	0.14	0.00	0.00	2.22	3.53								
1155	2.54	0.80	0.00	0.30	0.06	0.01	6.33	10.04								
1160	3.09	1.00	0.00	0.44	0.13	0.02	7.76	12.44								
1165	3.80	1.22	0.00	0.55	0.13	0.02	9.52	15.24								
1175	0.19	0.06	0.00	0.07	0.00	0.00	0.48	0.80								
1180	0.42	0.13	0.00	0.12	0.00	0.00	1.04	1.71								
1185	0.20	0.06	0.00	0.07	0.00	0.00	0.49	0.82								
1190	0.21	0.07	0.00	0.07	0.00	0.00	0.53	0.88								
1195	0.23	0.07	0.00	0.07	0.00	0.00	0.57	0.94								
1200	0.77	0.24	0.00	0.14	0.00	0.00	1.90	3.05								
1210	0.41	0.13	0.00	0.16	0.00	0.00	1.71	2.41								
1215	0.27	0.08	0.00	0.14	0.00	0.00	1.11	1.60								
1220	0.24	0.07	0.00	0.11	0.00	0.00	1.00	1.42								
1225	0.22	0.07	0.00	0.09	0.00	0.00	0.90	1.28								
1230	0.17	0.05	0.00	0.07	0.00	0.00	0.71	1.00								
1240	2.45	1.69	3.18	1.02	0.00	0.00	3.37	11.71								
1245	2.51	1.73	3.18	1.02	0.00	0.00	3.46	11.90								
1250	2.70	1.86	3.18	1.02	0.00	0.00	3.72	12.48								
1255	3.05	2.10	3.18	1.02	0.00	0.00	4.20	13.55								
1265	7.68	5.40	2.87	0.80	0.36	0.05	11.26	28.42								
1270	12.01	8.53	3.90	1.09	0.87	0.13	17.65	44.18								
1275	13.32	9.43	5.34	1.49	0.87	0.13	19.56	50.14								
1280	16.27	11.21	5.34	1.49	0.00	0.00	23.76	58.07								
1290	3.90	2.80	0.90	0.25	0.35	0.05	5.75	14.00								
1295	6.14	4.34	2.30	0.64	0.35	0.05	9.02	22.84								
1300	8.60	6.07	2.38	0.67	0.48	0.07	12.62	30.89								
1305	10.59	7.55	3.57	1.00	0.87	0.13	15.58	39.29								
1310	12.38	8.84	3.61	1.01	1.05	0.16	18.22	45.27								
1315	16.23	11.61	6.44	1.80	1.45	0.22	23.89	61.64								
1320	12.06	8.31	3.12	0.87	0.00	0.00	17.61	41.97								
1325	14.40	9.92	4.51	1.26	0.00	0.00	21.03	51.12								

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	
1335	0.41	0.24	0.00	1.09	0.02	0.00	0.54	2.30								
1340	0.48	0.28	0.00	1.20	0.02	0.00	0.63	2.61								
1350	1.10	0.63	0.56	1.91	0.03	0.00	1.45	5.68								
1360	0.53	0.42	0.00	0.20	0.02	0.00	0.75	1.92								
1365	0.69	0.54	1.48	0.36	0.02	0.00	0.97	4.06								
1370	0.24	0.18	0.00	0.20	0.00	0.00	0.33	0.95								
1375	0.37	0.28	0.00	0.13	0.00	0.00	0.51	1.29								
1385	1.05	0.73	7.38	2.36	0.00	0.00	1.55	13.07								
1390	1.13	0.79	7.38	2.36	0.05	0.01	1.67	13.39								
1400	0.98	0.61	0.00	0.00	0.00	0.00	1.04	2.63	1.23	0.62	0.00	0.00	0.00	0.00	1.49	3.34
1405	1.06	0.66	0.00	0.00	0.00	0.00	1.13	2.85	1.32	0.67	0.00	0.00	0.00	0.00	1.61	3.60
1410	1.54	0.96	0.00	0.00	0.00	0.00	1.64	4.14	1.92	0.98	0.00	0.00	0.00	0.00	2.34	5.24
1415	1.80	1.12	0.00	0.00	0.00	0.00	1.91	4.83	2.25	1.15	0.00	0.00	0.00	0.00	2.74	6.14
1420	2.32	1.45	0.00	0.00	0.00	0.00	2.47	6.24	2.90	1.48	0.00	0.00	0.00	0.00	3.53	7.91
1425	2.47	1.54	0.00	0.00	0.00	0.00	2.63	6.64	3.09	1.57	0.00	0.00	0.00	0.00	3.75	8.41
1430	2.69	1.68	0.00	0.00	0.00	0.00	2.86	7.23	3.36	1.71	0.00	0.00	0.00	0.00	4.09	9.16
1435	2.98	1.86	0.00	0.00	0.00	0.00	3.17	8.01	3.73	1.90	0.00	0.00	0.00	0.00	4.53	10.16
1440	3.24	2.02	0.00	0.00	0.00	0.00	3.45	8.71	4.05	2.06	0.00	0.00	0.00	0.00	4.93	11.04
1445	3.47	2.16	0.00	0.00	0.00	0.00	3.69	9.32	4.34	2.21	0.00	0.00	0.00	0.00	5.27	11.82
1450	3.83	2.39	0.00	0.00	0.00	0.00	4.08	10.30	4.79	2.44	0.00	0.00	0.00	0.00	5.83	13.06
1455	3.99	2.49	0.00	0.00	0.00	0.00	4.25	10.73	4.99	2.54	0.00	0.00	0.00	0.00	6.07	13.60
1460	4.12	2.57	0.00	0.00	0.00	0.00	4.38	11.07	5.15	2.62	0.00	0.00	0.00	0.00	6.26	14.03
1465	4.33	2.70	0.00	0.00	0.00	0.00	4.61	11.64	5.42	2.76	0.00	0.00	0.00	0.00	6.59	14.77
1470	4.51	2.81	0.00	0.00	0.00	0.00	4.80	12.12	5.64	2.87	0.00	0.00	0.00	0.00	6.85	15.36
1480	0.93	0.58	0.00	0.00	0.00	0.00	0.99	2.50	1.16	0.59	0.00	0.00	0.00	0.00	1.42	3.17
1485	1.30	0.81	0.00	0.00	0.00	0.00	1.38	3.49	1.62	0.83	0.00	0.00	0.00	0.00	1.97	4.42
1490	1.91	1.19	0.00	0.00	0.00	0.00	2.03	5.13	2.39	1.21	0.00	0.00	0.00	0.00	2.90	6.50
1495	2.07	1.29	0.00	0.00	0.00	0.00	2.21	5.57	2.59	1.32	0.00	0.00	0.00	0.00	3.15	7.06
1500	2.61	1.63	0.00	0.00	0.00	0.00	2.78	7.02	3.26	1.66	0.00	0.00	0.00	0.00	3.96	8.88
1505	2.87	1.79	0.00	0.00	0.00	0.00	3.06	7.72	3.59	1.83	0.00	0.00	0.00	0.00	4.37	9.79
1510	3.29	2.06	0.00	0.00	0.00	0.00	3.50	8.85	4.12	2.10	0.00	0.00	0.00	0.00	5.01	11.23
1515	3.56	2.22	0.00	0.00	0.00	0.00	3.79	9.57	4.45	2.26	0.00	0.00	0.00	0.00	5.41	12.12
1520	3.84	2.39	0.00	0.00	0.00	0.00	4.08	10.31	4.79	2.44	0.00	0.00	0.00	0.00	5.83	13.06
1525	4.12	2.57	0.00	0.00	0.00	0.00	4.39	11.08	5.15	2.62	0.00	0.00	0.00	0.00	6.27	14.04
1530	4.36	2.72	0.00	0.00	0.00	0.00	4.64	11.72	5.46	2.78	0.00	0.00	0.00	0.00	6.63	14.87
1535	4.60	2.87	0.00	0.00	0.00	0.00	4.89	12.36	5.74	2.92	0.00	0.00	0.00	0.00	6.99	15.65
1540	4.86	3.03	0.00	0.00	0.00	0.00	5.17	13.06	6.07	3.09	0.00	0.00	0.00	0.00	7.38	16.54
1545	5.07	3.17	0.00	0.00	0.00	0.00	5.40	13.64	6.34	3.23	0.00	0.00	0.00	0.00	7.71	17.28
1550	5.29	3.30	0.00	0.00	0.00	0.00	5.62	14.21	6.61	3.36	0.00	0.00	0.00	0.00	8.03	18.00
1560	1.47	0.92	0.00	0.00	0.00	0.00	1.56	3.95	1.84	0.94	0.00	0.00	0.00	0.00	2.24	5.02
1565	1.51	0.94	0.00	0.00	0.00	0.00	1.61	4.06	1.89	0.96	0.00	0.00	0.00	0.00	2.29	5.14
1570	2.18	1.36	0.00	0.00	0.00	0.00	2.32	5.86	2.73	1.39	0.00	0.00	0.00	0.00	3.32	7.44
1575	2.69	1.68	0.00	0.00	0.00	0.00	2.86	7.23	3.36	1.71	0.00	0.00	0.00	0.00	4.09	9.16
1580	3.04	1.89	0.00	0.00	0.00	0.00	3.23	8.16	3.79	1.93	0.00	0.00	0.00	0.00	4.61	10.33
1585	3.31	2.07	0.00	0.00	0.00	0.00	3.53	8.91	4.14	2.11	0.00	0.00	0.00	0.00	5.04	11.29
1590	3.59	2.24	0.00	0.00	0.00	0.00	3.82	9.65	4.48	2.28	0.00	0.00	0.00	0.00	5.45	12.21
1595	3.82	2.38	0.00	0.00	0.00	0.00	4.06	10.26	4.77	2.43	0.00	0.00	0.00	0.00	5.80	13.00
1600	3.99	2.49	0.00	0.00	0.00	0.00	4.25	10.73	4.99	2.54	0.00	0.00	0.00	0.00	6.06	13.59
1605	4.34	2.71	0.00	0.00	0.00	0.00	4.61	11.66	5.42	2.76	0.00	0.00	0.00	0.00	6.59	14.77
1610	4.61	2.88	0.00	0.00	0.00	0.00	4.91	12.40	5.77	2.94	0.00	0.00	0.00	0.00	7.01	15.72
1615	4.87	3.04	0.00	0.00	0.00	0.00	5.18	13.09	6.08	3.10	0.00	0.00	0.00	0.00	7.40	16.58
1620	5.15	3.21	0.00	0.00	0.00	0.00	5.48	13.84	6.44	3.28	0.00	0.00	0.00	0.00	7.83	17.55
1625	5.36	3.34	0.00	0.00	0.00	0.00	5.70	14.40	6.70	3.41	0.00	0.00	0.00	0.00	8.14	18.25
1630	5.63	3.51	0.00	0.00	0.00	0.00	5.99	15.13	7.04	3.58	0.00	0.00	0.00	0.00	8.56	19.18
1640	0.14	0.10	0.00	0.00	0.00	0.00	0.16	0.40								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
1645	0.18	0.12	0.00	0.00	0.00	0.00	0.20	0.50								
1650	0.23	0.16	0.00	0.00	0.00	0.00	0.26	0.65								
1655	0.33	0.23	0.00	0.00	0.00	0.00	0.37	0.93								
1660	0.41	0.28	0.00	0.00	0.00	0.00	0.47	1.16								
1670	0.57	0.39	0.00	0.00	0.00	0.00	0.64	1.60								
1675	0.59	0.41	0.00	0.00	0.00	0.00	0.67	1.67								
1680	0.62	0.43	0.00	0.00	0.00	0.00	0.70	1.75								
1685	0.84	0.58	0.00	0.00	0.00	0.00	0.95	2.37								
1690	0.89	0.61	0.00	0.00	0.00	0.00	1.00	2.50								
1695	1.27	0.88	0.00	0.00	0.00	0.00	1.44	3.59								
1700	1.51	1.04	0.00	0.00	0.00	0.00	1.71	4.26								
1710	0.65	0.45	0.00	0.00	0.00	0.00	0.74	1.84								
1715	0.73	0.50	0.00	0.00	0.00	0.00	0.83	2.06								
1720	0.86	0.59	0.00	0.00	0.00	0.00	0.97	2.42								
1725	0.96	0.66	0.00	0.00	0.00	0.00	1.09	2.71								
1730	1.13	0.78	0.00	0.00	0.00	0.00	1.28	3.19								
1745	0.33	0.21	0.00	0.00	0.00	0.00	0.36	0.90	0.42	0.21	0.00	0.00	0.00	0.00	0.51	1.14
1750	0.40	0.25	0.00	0.00	0.00	0.00	0.42	1.07	0.50	0.25	0.00	0.00	0.00	0.00	0.60	1.35
1755	0.49	0.31	0.00	0.00	0.00	0.00	0.53	1.33	0.62	0.31	0.00	0.00	0.00	0.00	0.75	1.68
1760	0.59	0.37	0.00	0.00	0.00	0.00	0.62	1.58	0.73	0.37	0.00	0.00	0.00	0.00	0.89	1.99
1765	0.69	0.43	0.00	0.00	0.00	0.00	0.73	1.85	0.86	0.44	0.00	0.00	0.00	0.00	1.05	2.35
1770	0.85	0.53	0.00	0.00	0.00	0.00	0.90	2.28	1.06	0.54	0.00	0.00	0.00	0.00	1.29	2.89
1775	0.94	0.58	0.00	0.00	0.00	0.00	1.00	2.52	1.17	0.60	0.00	0.00	0.00	0.00	1.42	3.19
1780	1.15	0.72	0.00	0.00	0.00	0.00	1.22	3.09	1.44	0.73	0.00	0.00	0.00	0.00	1.75	3.92
1785	1.22	0.76	0.00	0.00	0.00	0.00	1.30	3.28	1.53	0.78	0.00	0.00	0.00	0.00	1.86	4.17
1790	1.48	0.92	0.00	0.00	0.00	0.00	1.57	3.97	1.85	0.94	0.00	0.00	0.00	0.00	2.25	5.04
1795	1.60	1.00	0.00	0.00	0.00	0.00	1.70	4.30	2.00	1.02	0.00	0.00	0.00	0.00	2.43	5.45
1800	1.75	1.09	0.00	0.00	0.00	0.00	1.86	4.70	2.19	1.11	0.00	0.00	0.00	0.00	2.66	5.96
1805	1.94	1.21	0.00	0.00	0.00	0.00	2.07	5.22	2.43	1.24	0.00	0.00	0.00	0.00	2.95	6.62
1810	2.24	1.40	0.00	0.00	0.00	0.00	2.38	6.02	2.80	1.43	0.00	0.00	0.00	0.00	3.41	7.64
1815	2.43	1.52	0.00	0.00	0.00	0.00	2.59	6.54	3.04	1.55	0.00	0.00	0.00	0.00	3.70	8.29
1820	2.98	1.86	0.00	0.00	0.00	0.00	3.17	8.01	3.73	1.90	0.00	0.00	0.00	0.00	4.53	10.16
1825	3.43	2.14	0.00	0.00	0.00	0.00	3.65	9.22	4.29	2.18	0.00	0.00	0.00	0.00	5.21	11.68
1835	0.39	0.24	0.00	0.00	0.00	0.00	0.41	1.04	0.49	0.25	0.00	0.00	0.00	0.00	0.59	1.33
1840	0.47	0.30	0.00	0.00	0.00	0.00	0.50	1.27	0.59	0.30	0.00	0.00	0.00	0.00	0.72	1.61
1845	0.59	0.37	0.00	0.00	0.00	0.00	0.63	1.59	0.74	0.38	0.00	0.00	0.00	0.00	0.90	2.02
1850	0.71	0.45	0.00	0.00	0.00	0.00	0.76	1.92	0.89	0.45	0.00	0.00	0.00	0.00	1.09	2.43
1855	0.82	0.51	0.00	0.00	0.00	0.00	0.88	2.21	1.03	0.52	0.00	0.00	0.00	0.00	1.25	2.80
1860	0.98	0.61	0.00	0.00	0.00	0.00	1.05	2.64	1.23	0.63	0.00	0.00	0.00	0.00	1.50	3.36
1865	1.09	0.68	0.00	0.00	0.00	0.00	1.16	2.93	1.36	0.69	0.00	0.00	0.00	0.00	1.65	3.70
1870	1.32	0.82	0.00	0.00	0.00	0.00	1.40	3.54	1.64	0.84	0.00	0.00	0.00	0.00	2.00	4.48
1875	1.40	0.87	0.00	0.00	0.00	0.00	1.49	3.76	1.75	0.89	0.00	0.00	0.00	0.00	2.13	4.77
1880	1.80	1.12	0.00	0.00	0.00	0.00	1.91	4.83	2.25	1.14	0.00	0.00	0.00	0.00	2.73	6.12
1885	1.86	1.16	0.00	0.00	0.00	0.00	1.97	4.99	2.32	1.18	0.00	0.00	0.00	0.00	2.82	6.32
1890	2.12	1.32	0.00	0.00	0.00	0.00	2.26	5.70	2.65	1.35	0.00	0.00	0.00	0.00	3.22	7.22
1895	2.34	1.46	0.00	0.00	0.00	0.00	2.48	6.28	2.92	1.49	0.00	0.00	0.00	0.00	3.55	7.96
1900	2.80	1.75	0.00	0.00	0.00	0.00	2.98	7.53	3.50	1.78	0.00	0.00	0.00	0.00	4.26	9.54
1905	2.98	1.86	0.00	0.00	0.00	0.00	3.18	8.02	3.73	1.90	0.00	0.00	0.00	0.00	4.54	10.17
1910	3.80	2.37	0.00	0.00	0.00	0.00	4.05	10.22	4.75	2.42	0.00	0.00	0.00	0.00	5.78	12.95
1915	4.23	2.64	0.00	0.00	0.00	0.00	4.51	11.38	5.29	2.69	0.00	0.00	0.00	0.00	6.44	14.42
1925	1.56	0.97	0.00	0.00	0.00	0.00	1.66	4.19	1.95	0.99	0.00	0.00	0.00	0.00	2.37	5.31
1930	1.62	1.01	0.00	0.00	0.00	0.00	1.72	4.35	2.02	1.03	0.00	0.00	0.00	0.00	2.46	5.51
1935	1.81	1.13	0.00	0.00	0.00	0.00	1.93	4.87	2.27	1.15	0.00	0.00	0.00	0.00	2.76	6.18
1940	2.43	1.52	0.00	0.00	0.00	0.00	2.59	6.54	3.04	1.55	0.00	0.00	0.00	0.00	3.69	8.28
1945	2.72	1.70	0.00	0.00	0.00	0.00	2.89	7.31	3.40	1.73	0.00	0.00	0.00	0.00	4.13	9.26

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		
1950	2.81	1.75	0.00	0.00	0.00	0.00	2.99	7.55	3.51	1.78	0.00	0.00	0.00	0.00	4.26	9.55
1955	3.00	1.88	0.00	0.00	0.00	0.00	3.20	8.08	3.76	1.91	0.00	0.00	0.00	0.00	4.57	10.24
1960	3.82	2.39	0.00	0.00	0.00	0.00	4.07	10.28	4.78	2.43	0.00	0.00	0.00	0.00	5.81	13.02
1965	3.93	2.45	0.00	0.00	0.00	0.00	4.19	10.57	4.92	2.50	0.00	0.00	0.00	0.00	5.98	13.40
1970	5.01	3.13	0.00	0.00	0.00	0.00	5.33	13.47	6.27	3.19	0.00	0.00	0.00	0.00	7.62	17.08
1975	5.14	3.21	0.00	0.00	0.00	0.00	5.47	13.82	6.43	3.27	0.00	0.00	0.00	0.00	7.81	17.51
1980	6.11	3.82	0.00	0.00	0.00	0.00	6.51	16.44	7.64	3.89	0.00	0.00	0.00	0.00	9.29	20.82
1985	6.35	3.96	0.00	0.00	0.00	0.00	6.76	17.07	7.94	4.04	0.00	0.00	0.00	0.00	9.65	21.63
1995	0.89	0.55	0.00	0.00	0.00	0.00	0.94	2.38	1.11	0.56	0.00	0.00	0.00	0.00	1.35	3.02
2000	1.14	0.71	0.00	0.00	0.00	0.00	1.21	3.06	1.42	0.72	0.00	0.00	0.00	0.00	1.73	3.87
2005	1.55	0.97	0.00	0.00	0.00	0.00	1.65	4.17	1.94	0.99	0.00	0.00	0.00	0.00	2.36	5.29
2010	2.06	1.28	0.00	0.00	0.00	0.00	2.19	5.53	2.57	1.31	0.00	0.00	0.00	0.00	3.13	7.01
2015	3.07	1.91	0.00	0.00	0.00	0.00	3.26	8.24	3.83	1.95	0.00	0.00	0.00	0.00	4.66	10.44
2020	3.50	2.18	0.00	0.00	0.00	0.00	3.72	9.40	4.38	2.23	0.00	0.00	0.00	0.00	5.32	11.93
2025	4.24	2.64	0.00	0.00	0.00	0.00	4.51	11.39	5.30	2.70	0.00	0.00	0.00	0.00	6.44	14.44
2030	5.16	3.22	0.00	0.00	0.00	0.00	5.49	13.87	6.45	3.28	0.00	0.00	0.00	0.00	7.84	17.57
2035	6.26	3.91	0.00	0.00	0.00	0.00	6.66	16.83	7.82	3.98	0.00	0.00	0.00	0.00	9.51	21.31
2040	7.28	4.54	0.00	0.00	0.00	0.00	7.75	19.57	9.10	4.63	0.00	0.00	0.00	0.00	11.07	24.80
2050	0.24	0.10	0.29	0.07	0.00	0.00	0.47	1.17								
2055	0.19	0.08	0.29	0.07	0.00	0.00	0.37	1.00								
2060	0.25	0.11	0.49	0.12	0.00	0.00	0.50	1.47								
2065	0.33	0.14	0.49	0.12	0.00	0.00	0.65	1.73								
2070	0.42	0.18	0.58	0.14	0.00	0.00	0.84	2.16								
2075	0.17	0.07	0.29	0.07	0.00	0.00	0.33	0.93								
2080	0.26	0.11	0.68	0.16	0.00	0.00	0.52	1.73								
2085	0.25	0.11	0.39	0.09	0.00	0.00	0.49	1.33								
2090	0.31	0.13	0.39	0.09	0.00	0.00	0.61	1.53								
2095	0.22	0.09	0.39	0.09	0.00	0.00	0.43	1.22								
2100	0.44	0.19	0.29	0.07	0.00	0.00	0.88	1.87								
2105	0.75	0.33	0.29	0.07	0.00	0.00	1.50	2.94								
2110	1.32	0.57	0.29	0.07	0.00	0.00	2.61	4.86								
2115	1.03	0.45	0.29	0.07	0.00	0.00	2.04	3.88								
2120	1.27	0.55	0.23	0.05	0.00	0.00	2.53	4.63								
2125	1.78	0.78	0.46	0.11	0.00	0.00	3.53	6.66								
2130	2.23	0.97	0.74	0.18	0.00	0.00	4.41	8.53								
2135	0.50	0.22	0.88	0.21	0.00	0.00	0.99	2.80								
2140	0.52	0.22	0.40	0.10	0.00	0.00	1.02	2.26								
2145	0.83	0.36	0.57	0.14	0.00	0.00	1.65	3.55								
2150	1.69	0.74	0.57	0.14	0.00	0.00	3.36	6.50								
2155	1.64	0.72	0.46	0.11	0.00	0.00	3.26	6.19								
2160	1.86	0.81	0.46	0.11	0.00	0.00	3.68	6.92								
2170	0.24	0.11	0.38	0.12	0.00	0.00	0.33	1.18								
2180	0.19	0.09	0.53	0.17	0.00	0.00	0.27	1.25								
2185	0.76	0.36	1.22	0.39	0.00	0.00	1.06	3.79								
2190	0.98	0.47	1.22	0.39	0.00	0.00	1.37	4.43								
2200	0.07	0.04	0.04	0.02	0.02	0.00	0.11	0.30								
2205	0.08	0.05	0.04	0.02	0.02	0.00	0.12	0.33								
2210	0.27	0.14	0.53	0.17	0.02	0.00	0.38	1.51								
2215	0.21	0.11	0.53	0.17	0.02	0.00	0.30	1.34								
2220	11.34	7.82	5.83	1.63	0.00	0.00	16.56	43.18								
2230	19.68	13.56	8.54	2.39	0.00	0.00	28.74	72.91								
2235	34.60	23.85	10.26	2.87	0.00	0.00	50.53	122.11								
2245	2.38	1.65	4.59	1.47	0.04	0.01	3.48	13.62								
2250	10.33	7.12	4.10	1.15	0.00	0.00	15.09	37.79								
2260	2.65	1.52	0.73	0.20	0.07	0.01	3.92	9.10								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE
2265	3.05	1.73	1.21	0.34	0.04	0.01	4.50	10.88							
2270	0.85	0.49	0.00	0.21	0.04	0.01	1.25	2.85							
2275	1.70	0.97	0.00	0.34	0.04	0.01	2.51	5.57							
2285	4.72	2.66	3.75	1.05	0.02	0.00	6.96	19.16							
2295	6.05	3.41	6.05	1.69	0.03	0.00	8.92	26.15							
2300	15.26	8.66	14.23	3.98	0.25	0.04	22.51	64.93							
2310	4.80	2.71	4.05	1.13	0.03	0.00	7.07	19.79							
2315	7.42	4.23	9.19	2.57	0.14	0.02	10.96	34.53							
2320	7.62	4.34	9.19	2.57	0.14	0.02	11.26	35.14							
2325	10.17	5.75	10.70	3.00	0.06	0.01	15.00	44.69							
2330	13.04	7.36	18.14	5.08	0.06	0.01	19.21	62.90							
2335	15.84	9.09	11.86	3.32	0.64	0.10	23.42	64.27							
2340	23.01	13.13	11.86	3.32	0.66	0.10	34.00	86.08							
2345	28.75	16.42	16.19	4.53	0.86	0.13	42.48	109.36							
2355	0.18	0.10	0.78	0.25	0.00	0.00	0.27	1.58							
2360	0.20	0.11	1.17	0.37	0.00	0.00	0.30	2.15							
2365	0.21	0.12	1.36	0.44	0.00	0.00	0.31	2.44							
2370	0.44	0.25	1.36	0.44	0.00	0.00	0.65	3.14							
2375	0.56	0.31	1.75	0.56	0.00	0.00	0.82	4.00							
2380	0.57	0.32	2.24	0.72	0.00	0.00	0.84	4.69							
2385	0.91	0.51	2.92	0.93	0.00	0.00	1.34	6.61							
2390	1.22	0.69	6.33	2.03	0.00	0.00	1.79	12.06							
2400	14.00	11.52	3.01	0.96	0.00	0.00	16.23	45.72	16.80	11.65	3.82	1.22	0.00	0.00	22.25
2405	15.48	15.73	3.69	0.74	0.00	0.00	20.51	56.15	17.86	15.85	4.68	0.94	0.00	0.00	26.62
2410	15.57	15.82	2.95	0.59	0.00	0.00	16.76	51.69	17.97	15.94	3.82	0.76	0.00	0.00	20.82
2415								59.31							
2420	17.01	17.29	2.95	0.59	0.00	0.00	18.31	56.15	19.63	17.42	3.82	0.76	0.00	0.00	22.75
2430	17.92	18.21	2.95	0.59	0.00	0.00	19.28	58.95	20.67	18.34	3.82	0.76	0.00	0.00	23.96
2440	21.25	21.59	5.44	1.09	0.00	0.00	28.15	77.52	24.52	21.75	6.89	1.38	0.00	0.00	36.54
2445	20.80	21.14	4.35	0.87	0.00	0.00	22.39	69.55	24.00	21.30	5.62	1.12	0.00	0.00	27.82
2455	18.40	22.26	4.35	0.96	0.00	0.00	22.85	68.82	20.70	22.37	5.62	1.24	0.00	0.00	27.42
2460	22.81	27.60	4.35	0.96	0.00	0.00	28.33	84.05	25.66	27.73	5.62	1.24	0.00	0.00	33.99
2475	30.04	36.34	7.44	1.64	0.00	0.00	37.31	112.77	33.79	36.53	9.61	2.11	0.00	0.00	44.77
2485	31.87	38.56	7.44	1.64	0.00	0.00	39.58	119.09	35.86	38.75	9.61	2.11	0.00	0.00	47.50
2490	30.24	36.59	9.30	2.05	0.00	0.00	45.07	123.25	34.02	36.77	11.78	2.59	0.00	0.00	56.33
2500	35.10	42.47	7.44	1.64	0.00	0.00	43.60	130.25	39.49	42.68	9.61	2.11	0.00	0.00	52.31
2510	33.21	44.47	7.44	1.79	0.00	0.00	46.74	133.65	36.90	44.65	9.61	2.31	0.00	0.00	54.99
2520	35.58	47.63	7.44	1.79	0.00	0.00	50.07	142.51	39.53	47.83	9.61	2.31	0.00	0.00	58.91
2535	14.80	12.18	3.73	1.19	0.00	0.00	17.15	49.05	17.76	12.32	4.72	1.51	0.00	0.00	23.53
2540	12.10	12.29	2.98	0.60	0.00	0.00	13.02	40.99	13.96	12.38	3.85	0.77	0.00	0.00	16.18
2550	22.95	15.92	5.44	1.09	0.00	0.00	30.40	75.80	28.68	16.20	7.15	1.43	0.00	0.00	42.75
2555								96.21							
2560	17.00	17.27	4.67	0.93	0.00	0.00	22.51	62.38	19.61	17.40	5.91	1.18	0.00	0.00	29.23
2565	17.08	17.36	3.73	0.75	0.00	0.00	18.38	57.30	19.71	17.49	4.82	0.96	0.00	0.00	22.84
2570	32.68	22.67	6.73	1.35	0.00	0.00	43.29	106.72	40.85	23.07	8.84	1.77	0.00	0.00	60.88
2575	22.29	22.66	5.77	1.15	0.00	0.00	29.53	81.40	25.72	22.82	7.31	1.46	0.00	0.00	38.34
2585	41.52	30.86	7.75	1.70	0.00	0.00	58.03	139.86	49.82	31.26	10.18	2.24	0.00	0.00	77.37
2590	39.75	29.55	7.75	1.70	0.00	0.00	55.56	134.31	47.70	29.93	10.18	2.24	0.00	0.00	74.08
2595	25.63	31.01	6.64	1.46	0.00	0.00	38.19	102.93	28.83	31.16	8.41	1.85	0.00	0.00	47.74
2600	25.08	30.34	5.31	1.17	0.00	0.00	31.15	93.05	28.22	30.50	6.86	1.51	0.00	0.00	37.38
2610	31.61	38.24	6.30	1.39	0.00	0.00	39.25	116.79	35.56	38.43	8.14	1.79	0.00	0.00	47.10
2615	30.19	36.53	7.87	1.73	0.00	0.00	44.99	121.31	33.97	36.71	9.97	2.19	0.00	0.00	56.24
2620								139.08							
2625	50.01	37.17	9.30	2.05	0.00	0.00	69.90	168.43	60.01	37.65	12.22	2.69	0.00	0.00	93.20
2630	47.31	35.16	9.30	2.05	0.00	0.00	66.13	159.95	56.77	35.62	12.22	2.69	0.00	0.00	88.17
2635	28.03	33.92	7.97	1.75	0.00	0.00	41.78	113.45	31.54	34.09	10.10	2.22	0.00	0.00	52.22
2645	60.80	52.22	13.80	3.31	0.00	0.00	0.00103.86	233.99	70.93	52.71	18.13	4.35	0.00	0.00	132.18
2650	32.84	43.96	11.83	2.84	0.00	0.00	54.37	145.84	36.48	44.14	14.98	3.60	0.00	0.00	66.45
2655								165.65							

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	
2665	11.39	11.58	2.85	0.57	0.00	0.00	12.26	38.65	13.15	11.66	3.68	0.74	0.00	0.00	15.24	44.47
2675	15.13	18.31	4.28	0.94	0.00	0.00	18.79	57.45	17.03	18.40	5.52	1.22	0.00	0.00	22.55	64.72
2685	21.12	25.55	4.41	0.97	0.00	0.00	26.23	78.28	23.76	25.68	5.69	1.25	0.00	0.00	31.47	87.85
2695	32.07	38.80	6.35	1.40	0.00	0.00	39.82	118.44	36.07	38.99	8.20	1.80	0.00	0.00	47.79	132.85
2710	21.26	25.72	9.30	2.05	0.00	0.00	31.69	90.02	23.92	25.85	11.78	2.59	0.00	0.00	39.61	103.75
2715	22.97	27.79	7.44	1.64	0.00	0.00	28.52	88.36	25.84	27.93	9.61	2.11	0.00	0.00	34.23	99.72
2725	27.01	32.68	9.72	2.14	0.00	0.00	40.25	111.80	30.39	32.84	12.31	2.71	0.00	0.00	50.31	128.56
2730	27.36	33.10	7.78	1.71	0.00	0.00	33.98	103.93	30.78	33.27	10.04	2.21	0.00	0.00	40.78	117.08
2740	35.97	43.52	11.66	2.57	0.00	0.00	53.60	147.32	40.46	43.74	14.77	3.25	0.00	0.00	67.00	169.22
2745	32.79	43.91	9.33	2.24	0.00	0.00	46.16	134.43	36.44	44.09	12.05	2.89	0.00	0.00	54.30	149.77
2755	50.94	68.21	17.76	4.26	0.00	0.00	71.70	212.87	56.60	68.48	22.93	5.50	0.00	0.00	84.35	237.86
2760	51.74	69.27	22.19	5.33	0.00	0.00	85.67	234.20	57.49	69.55	28.11	6.75	0.00	0.00	104.71	266.61
2775	15.82	16.08	7.71	1.54	0.00	0.00	20.96	62.11	18.26	16.20	9.77	1.95	0.00	0.00	27.21	73.39
2780	15.65	15.90	6.17	1.23	0.00	0.00	16.84	55.79	18.06	16.02	7.97	1.59	0.00	0.00	20.93	64.57
2790	40.02	27.76	9.94	1.99	0.00	0.00	53.01	132.72	50.02	28.25	13.07	2.61	0.00	0.00	74.55	168.50
2795	22.66	23.03	8.52	1.70	0.00	0.00	30.02	85.93	26.15	23.20	10.79	2.16	0.00	0.00	38.97	101.27
2800	22.43	22.80	6.82	1.36	0.00	0.00	24.15	77.56	25.88	22.97	8.81	1.76	0.00	0.00	30.00	89.42
2810	22.13	26.77	8.52	1.87	0.00	0.00	32.98	92.27	24.90	26.91	10.79	2.37	0.00	0.00	41.22	106.19
2815	21.93	26.54	6.82	1.50	0.00	0.00	27.24	84.03	24.68	26.67	8.81	1.94	0.00	0.00	32.69	94.79
2825	58.62	43.57	13.53	2.98	0.00	0.00	81.93	200.63	70.35	44.14	17.79	3.91	0.00	0.00	109.25	245.44
2830	32.89	39.79	11.60	2.55	0.00	0.00	49.01	135.84	37.00	39.99	14.69	3.23	0.00	0.00	61.27	156.18
2835	33.99	41.12	9.28	2.04	0.00	0.00	42.21	128.64	38.24	41.33	11.99	2.64	0.00	0.00	50.65	144.85
2845	30.29	40.56	14.77	3.55	0.00	0.00	50.15	139.32	33.66	40.72	18.71	4.49	0.00	0.00	61.30	158.88
2850	34.90	42.23	11.82	2.60	0.00	0.00	43.35	134.90	39.27	42.44	15.27	3.36	0.00	0.00	52.02	152.36
2865	17.35	17.63	4.54	0.91	0.00	0.00	22.98	63.41	20.02	17.76	5.75	1.15	0.00	0.00	29.83	74.51
2870	14.77	17.87	3.63	0.80	0.00	0.00	18.34	55.41	16.62	17.96	4.69	1.03	0.00	0.00	22.01	62.31
2880	21.71	22.06	6.42	1.28	0.00	0.00	28.75	80.22	25.05	22.22	8.13	1.63	0.00	0.00	37.32	94.35
2885	18.59	22.50	5.13	1.13	0.00	0.00	23.09	70.44	20.92	22.61	6.63	1.46	0.00	0.00	27.71	79.33
2890	21.83	26.42	7.65	1.68	0.00	0.00	32.54	90.12	24.56	26.55	9.69	2.13	0.00	0.00	40.67	103.60
2895	22.62	27.37	6.12	1.35	0.00	0.00	28.09	85.55	25.45	27.51	7.90	1.74	0.00	0.00	33.71	96.31
2900	61.02	81.70	9.80	2.35	0.00	0.00	85.88	240.75	67.80	82.03	12.66	3.04	0.00	0.00	101.04	266.57
2910	6.18	6.27	4.60	1.38	0.98	0.15	6.76	26.32								
2915	6.63	6.71	4.72	1.42	0.98	0.15	7.25	27.86								
2920	7.25	7.41	4.72	1.42	1.33	0.20	7.94	30.27								
2925	7.96	8.11	4.72	1.42	1.37	0.21	8.71	32.50								
2930	10.60	10.77	6.40	1.92	1.20	0.18	11.60	42.67								
2935	14.54	14.92	6.98	2.09	2.93	0.44	15.93	57.83								
2940	17.18	17.73	6.98	2.09	3.84	0.58	18.85	67.25								
2945	21.34	21.86	8.54	2.56	4.13	0.62	23.38	82.43								
2950	27.31	28.18	9.44	2.83	6.08	0.91	29.96	104.71								
2955	51.89	53.15	21.01	6.30	10.02	1.50	56.86	200.73								
2965	6.44	6.43	4.68	1.40	0.59	0.09	7.02	26.65								
2970	6.76	6.74	4.97	1.49	0.59	0.09	7.38	28.02								
2975	10.23	10.45	7.39	2.22	1.87	0.28	11.20	43.64								
2985	6.46	6.45	5.13	1.54	0.59	0.09	7.05	27.31								
2990	6.65	6.63	5.13	1.54	0.59	0.09	7.25	27.88								
2995	6.88	6.86	5.13	1.54	0.59	0.09	7.51	28.60								
3000	7.76	7.82	5.13	1.54	1.03	0.15	8.48	31.91								
3005	9.72	9.84	6.36	1.91	1.40	0.21	10.63	40.07								
3010	10.02	10.12	6.36	1.91	1.40	0.21	10.95	40.97								
3015	10.37	10.46	6.36	1.91	1.40	0.21	11.33	42.04								
3020	13.61	14.02	8.29	2.49	2.93	0.44	14.93	56.71								
3025	14.11	14.50	8.29	2.49	2.93	0.44	15.47	58.23								
3030	14.65	15.03	8.29	2.49	2.93	0.44	16.06	59.89								
3035	18.73	19.31	9.64	2.89	4.13	0.62	20.54	75.86								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
3045	5.83	5.81	4.84	1.45	0.49	0.07	6.36	24.85								
3050	5.91	5.91	4.84	1.45	0.59	0.09	6.45	25.24								
3055	6.11	6.11	4.84	1.45	0.59	0.09	6.67	25.86								
3060	6.97	7.06	4.84	1.45	1.03	0.15	7.62	29.12								
3065	15.43	15.79	7.72	2.31	2.93	0.44	16.91	61.53								
3075	10.09	11.26	6.86	1.78	0.84	0.13	9.43	40.39	11.35	11.32	8.80	2.29	1.02	0.15	11.50	46.43
3080	17.50	19.40	9.81	2.55	1.04	0.16	16.35	66.81	19.68	19.51	12.65	3.29	1.28	0.19	19.92	76.52
3090	11.60	10.81	7.06	2.54	0.56	0.08	9.03	41.68	13.39	10.90	9.29	3.34	0.68	0.10	11.46	49.16
3095	11.65	13.01	8.33	2.17	1.03	0.15	10.89	47.23	13.10	13.09	10.96	2.85	1.26	0.19	13.28	54.73
3100	14.53	16.16	8.74	2.27	1.04	0.16	13.58	56.48	16.34	16.25	11.50	2.99	1.28	0.19	16.55	65.10
3105	19.07	23.82	9.99	2.60	2.74	0.41	20.85	79.48	21.19	23.93	12.85	3.34	3.39	0.51	24.82	90.03
3110	29.63	36.56	10.33	2.69	2.74	0.41	32.32	114.68	32.92	36.72	13.25	3.45	3.39	0.51	38.48	128.72
3115	29.57	44.56	15.86	4.12	3.50	0.53	39.39	137.53	32.53	44.71	20.45	5.32	4.33	0.65	46.04	154.03
3125	11.45	10.70	8.86	3.19	0.67	0.10	8.92	43.89	13.22	10.79	11.66	4.20	0.83	0.12	11.32	52.14
3130	11.24	12.48	8.86	2.30	0.75	0.11	10.51	46.25	12.65	12.55	11.66	3.03	0.92	0.14	12.80	53.75
3135	13.68	15.19	10.01	2.60	0.89	0.13	12.78	55.28	15.39	15.28	13.18	3.43	1.08	0.16	15.58	64.10
3145	11.93	11.11	8.62	3.10	0.56	0.08	9.28	44.68	13.76	11.20	11.34	4.08	0.68	0.10	11.78	52.94
3150	12.58	14.02	10.01	2.60	0.99	0.15	11.76	52.11	14.16	14.10	13.18	3.43	1.21	0.18	14.34	60.60
3155	13.62	15.15	9.77	2.54	0.99	0.15	12.73	54.95	15.32	15.24	12.85	3.34	1.21	0.18	15.52	63.66
3160	19.61	24.47	14.98	3.89	2.74	0.41	21.43	87.53	21.79	24.58	19.71	5.12	3.39	0.51	25.52	100.62
3170	18.43	20.64	6.45	1.68	1.83	0.27	17.24	66.54	20.73	20.76	8.23	2.14	2.26	0.34	21.01	75.47
3175	17.11	21.19	6.45	1.68	1.83	0.27	18.68	67.21	19.02	21.29	8.23	2.14	2.26	0.34	22.24	75.52
3180	21.11	26.01	10.41	2.71	1.83	0.27	23.02	85.36	23.45	26.12	13.45	3.50	2.26	0.34	27.41	96.53
3185	24.08	29.74	11.28	2.93	2.32	0.35	26.28	96.98	26.76	29.88	14.47	3.76	2.87	0.43	31.28	109.45
3190	28.87	43.14	13.54	3.52	2.32	0.35	38.38	130.12	31.75	43.28	17.44	4.53	2.87	0.43	44.86	145.16
3195	38.41	58.15	15.05	3.91	5.35	0.80	51.22	172.89	42.25	58.34	19.31	5.02	6.61	0.99	59.86	192.38
3205	16.75	18.82	6.24	1.62	1.83	0.27	15.68	61.21	18.85	18.92	7.96	2.07	2.26	0.34	19.11	69.51
3210	23.16	28.54	9.08	2.36	2.04	0.31	25.26	90.75	25.73	28.67	11.60	3.02	2.51	0.38	30.07	101.98
3215	23.11	34.69	9.33	2.42	2.32	0.35	30.76	102.98	25.42	34.80	11.93	3.10	2.87	0.43	35.95	114.50
3225	17.46	21.61	7.97	2.07	1.83	0.27	19.06	70.27	19.40	21.70	10.22	2.66	2.26	0.34	22.69	79.27
3230	21.43	26.46	10.58	2.75	2.04	0.31	23.39	86.96	23.81	26.58	13.63	3.54	2.51	0.38	27.84	98.29
3235	22.27	33.48	11.13	2.89	2.33	0.35	29.65	102.10	24.50	33.59	14.34	3.73	2.84	0.43	34.66	114.09
3245	14.59	13.59	4.79	1.72	0.73	0.11	11.35	46.88	16.83	13.70	6.09	2.19	0.91	0.14	14.41	54.27
3250	13.60	15.09	5.05	1.31	0.85	0.13	12.71	48.74	15.30	15.18	6.42	1.67	1.05	0.16	15.49	55.27
3255	15.22	16.93	5.35	1.39	1.10	0.16	14.23	54.38	17.13	17.02	6.79	1.77	1.36	0.20	17.34	61.61
3260	19.50	21.82	7.25	1.89	1.83	0.27	18.25	70.81	21.94	21.94	9.29	2.42	2.26	0.34	22.24	80.43
3265	19.34	23.88	7.39	1.92	1.83	0.27	21.11	75.74	21.49	23.99	9.45	2.46	2.26	0.34	25.13	85.12
3270	21.61	26.76	9.11	2.37	2.32	0.35	23.59	86.11	24.01	26.88	11.60	3.02	2.87	0.43	28.09	96.90
3275	26.46	32.61	9.89	2.57	2.32	0.35	28.86	103.06	29.40	32.75	12.63	3.28	2.87	0.43	34.36	115.72
3280	23.91	35.86	11.16	2.90	2.32	0.35	31.81	108.31	26.30	35.98	14.30	3.72	2.87	0.43	37.18	120.78
3285	52.62	78.49	18.21	4.73	3.76	0.56	69.95	228.32	57.89	78.75	23.47	6.10	4.65	0.70	81.75	253.31
3295	11.28	16.95	3.24	7.10	0.00	0.00	17.22	55.79								
3300	0.52	0.78	0.00	0.00	0.00	0.00	0.79	2.09								
3305	1.87	2.82	0.00	0.00	0.00	0.00	2.86	7.55								
3310	14.14	21.25	5.67	8.31	0.00	0.00	21.59	70.96								
3315	0.52	0.78	0.00	0.00	0.00	0.00	0.79	2.09								
3320	1.87	2.82	0.00	0.00	0.00	0.00	2.86	7.55								
3325	17.33	26.05	5.67	8.31	0.00	0.00	26.47	83.83								
3330	0.67	1.01	0.00	0.00	0.00	0.00	1.02	2.70								
3335	2.01	3.02	0.00	0.00	0.00	0.00	3.07	8.10								
3340	20.10	30.22	8.91	9.93	0.00	0.00	30.70	99.86								
3345	0.72	1.08	0.00	0.00	0.00	0.00	1.10	2.90								
3350	3.69	5.54	0.00	0.00	0.00	0.00	5.63	14.86								
3355	21.39	32.15	8.91	9.93	0.00	0.00	32.66	105.04								
3360	0.67	1.01	0.00	0.00	0.00	0.00	1.02	2.70								

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
3365	3.80	5.72	0.00	0.00	0.00	0.00	5.81	15.33								
3375	6.10	4.17	0.00	0.88	0.00	0.00	8.66	19.81								
3380	5.76	3.93	0.00	0.88	0.00	0.00	8.17	18.74								
3385	6.34	4.33	0.00	0.88	0.00	0.00	9.00	20.55								
3390	7.78	5.32	0.00	0.93	0.00	0.00	11.05	25.08								
3395	8.73	5.96	0.00	0.99	0.00	0.00	12.38	28.06								
3405	6.84	4.67	0.00	0.88	0.00	0.00	9.70	22.09								
3410	7.44	5.08	0.00	0.93	0.00	0.00	10.55	24.00								
3415	10.39	7.10	5.08	1.22	0.00	0.00	14.74	38.53								
3425	3.41	2.33	0.00	0.56	0.00	0.00	4.84	11.14								
3430	6.02	4.11	0.00	0.89	0.00	0.00	8.54	19.56								
3435	7.13	4.87	0.00	0.89	0.00	0.00	10.12	23.01								
3440	8.83	6.03	0.00	1.00	0.00	0.00	12.53	28.39								
3445	18.61	12.71	8.38	2.01	0.00	0.00	26.42	68.13								
3455	1.52	1.04	0.00	0.34	0.00	0.00	2.16	5.06								
3460	0.97	0.66	0.00	0.34	0.00	0.00	1.37	3.34								
3465	0.15	0.10	0.00	0.27	0.00	0.00	0.21	0.73								
3475	2.60	1.78	2.23	0.54	0.00	0.00	3.70	10.85								
3480	1.81	1.23	1.02	0.24	0.00	0.00	2.56	6.86								
3490	1.46	1.00	1.04	0.17	0.00	0.00	2.07	5.74								
3495	2.25	1.53	2.69	0.43	0.00	0.00	3.19	10.09								
3500	2.66	1.82	2.03	0.49	0.00	0.00	3.78	10.78								
3505	3.06	2.09	2.74	0.66	0.00	0.00	4.34	12.89								
3510	3.68	2.51	3.05	0.73	0.00	0.00	5.23	15.20								
3520	1.54	1.05	1.56	0.25	0.00	0.00	2.19	6.59								
3525	2.38	1.63	2.49	0.60	0.00	0.00	3.38	10.48								
3535	14.10	14.10	10.66	4.05	0.00	0.00	20.01	62.92								
3540	18.24	18.50	15.43	5.86	1.38	0.21	25.96	85.58								
3545	16.97	17.16	22.08	8.39	0.95	0.14	24.14	89.83								
3555	16.57	16.84	11.42	4.34	1.37	0.21	23.59	74.34								
3560	25.27	25.64	17.00	6.46	1.88	0.28	35.97	112.50								
3565	26.92	27.29	17.77	6.75	1.88	0.28	38.31	119.20								
3570	19.70	19.71	20.81	7.91	0.00	0.00	27.96	96.09								
3575	21.80	21.81	20.81	7.91	0.00	0.00	30.94	103.27								
3580	24.64	32.46	26.60	8.51	0.00	0.00	34.97	127.18								
3585	45.30	59.69	30.45	15.22	0.00	0.00	32.15	182.81								
3605	1.42	1.00	0.97	0.44	0.06	0.01	1.64	5.54								
3610	1.43	1.01	0.97	0.44	0.07	0.01	1.64	5.57								
3615	1.54	1.09	0.97	0.44	0.09	0.01	1.77	5.91								
3620	2.10	1.48	1.73	0.78	0.10	0.01	2.42	8.62								
3625	2.15	1.52	1.73	0.78	0.10	0.01	2.48	8.77								
3630	2.39	1.69	2.54	1.14	0.10	0.01	2.75	10.62								
3635	2.92	2.07	2.86	1.29	0.16	0.02	3.36	12.68								
3640	3.07	2.17	2.86	1.29	0.13	0.02	3.53	13.07								
3645	3.28	2.30	2.86	1.29	0.09	0.01	3.77	13.60								
3650	1.35	0.95	2.61	0.63	0.03	0.00	1.55	7.12								
3655	1.74	1.25	3.39	0.81	0.13	0.02	2.01	9.35								
3660	1.75	1.28	3.39	0.81	0.21	0.03	2.03	9.50								
3665	2.46	1.75	4.45	1.07	0.15	0.02	2.84	12.74								
3670	2.50	1.78	4.45	1.07	0.15	0.02	2.88	12.85								
3675	2.60	1.85	4.45	1.07	0.15	0.02	3.00	13.14								
3680	3.75	2.66	4.66	1.12	0.21	0.03	4.31	16.74								
3685	4.05	2.87	2.87	0.69	0.21	0.03	4.66	15.38								
3690	5.24	3.79	5.13	1.23	0.50	0.07	6.06	22.02								
3695	5.73	4.13	5.13	1.23	0.50	0.07	6.62	23.41								

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
3700	5.97	4.27	5.13	1.23	0.44	0.07	6.89	24.00								
3705	6.61	4.78	5.13	1.23	0.64	0.10	7.65	26.14								
3710	2.40	1.73	2.79	0.67	0.22	0.03	2.77	10.61								
3715	2.46	1.78	2.79	0.67	0.22	0.03	2.85	10.80								
3720	2.99	2.14	2.79	0.67	0.22	0.03	3.45	12.29								
3725	3.09	2.23	2.79	0.67	0.28	0.04	3.57	12.67								
3735	1.38	1.00	4.45	1.07	0.14	0.02	1.60	9.66								
3740	2.03	1.45	5.65	1.36	0.15	0.02	2.34	13.00								
3745	4.02	2.84	8.19	1.97	0.18	0.03	4.62	21.85								
3750	5.39	3.89	8.97	2.15	0.50	0.08	6.23	27.21								
3755	6.24	4.48	8.97	2.15	0.50	0.08	7.21	29.63								
3760	6.29	4.54	8.97	2.15	0.59	0.09	7.27	29.90								
3765	6.76	4.83	8.97	2.15	0.49	0.07	7.79	31.06								
3770	13.42	9.62	13.42	3.22	1.05	0.16	15.49	56.38								
3785	1.95	1.00	6.07	1.46	0.00	0.00	1.82	12.30	2.23	1.01	7.99	1.92	0.00	0.00	2.42	15.57
3790	2.55	1.31	7.67	1.84	0.00	0.00	2.38	15.75	2.92	1.32	10.10	2.42	0.00	0.00	3.17	19.93
3795	2.75	1.41	9.03	2.17	0.00	0.00	2.56	17.92	3.14	1.42	11.88	2.85	0.00	0.00	3.41	22.70
3800	2.96	1.52	11.90	2.86	0.00	0.00	2.76	22.00	3.39	1.54	15.66	3.76	0.00	0.00	3.68	28.03
3805	3.38	1.73	15.18	3.64	0.00	0.00	3.14	27.07	3.86	1.75	19.98	4.80	0.00	0.00	4.19	34.58
3810	4.03	2.06	15.18	3.64	0.00	0.00	3.75	28.66	4.60	2.09	19.98	4.80	0.00	0.00	5.00	36.47
3815	4.48	2.29	18.47	4.43	0.00	0.00	4.17	33.84	5.12	2.32	24.30	5.83	0.00	0.00	5.56	43.13
3820	5.40	2.76	20.52	4.92	0.00	0.00	5.02	38.62	6.17	2.80	27.00	6.48	0.00	0.00	6.70	49.15
3825	7.27	3.72	26.68	6.40	0.00	0.00	6.77	50.84	8.31	3.77	35.10	8.42	0.00	0.00	9.02	64.62
3830	9.70	4.96	34.68	8.32	0.00	0.00	9.03	66.69	11.09	5.03	45.63	10.95	0.00	0.00	12.04	84.74
3835	13.23	6.77	51.30	12.31	0.00	0.00	12.31	95.92	15.12	6.86	67.50	16.20	0.00	0.00	16.42	122.10
3840	17.28	8.84	59.51	14.28	0.00	0.00	16.08	115.99	19.75	8.96	78.30	18.79	0.00	0.00	21.45	147.25
3850	0.08	0.04	0.35	0.08	0.00	0.00	0.07	0.62	0.09	0.04	0.46	0.11	0.00	0.00	0.10	0.80
3855	0.12	0.06	0.56	0.14	0.00	0.00	0.12	1.00	0.14	0.06	0.74	0.18	0.00	0.00	0.15	1.27
3860	0.16	0.08	0.85	0.20	0.00	0.00	0.15	1.44	0.18	0.08	1.10	0.27	0.00	0.00	0.20	1.83
3875	0.17	0.08	0.42	0.10	0.00	0.00	0.15	0.92	0.19	0.09	0.55	0.13	0.00	0.00	0.20	1.16
3880	0.37	0.19	0.99	0.24	0.00	0.00	0.34	2.13	0.42	0.19	1.29	0.31	0.00	0.00	0.46	2.67
3885	0.40	0.21	1.41	0.34	0.00	0.00	0.38	2.74	0.46	0.21	1.84	0.44	0.00	0.00	0.50	3.45
3890	0.43	0.22	0.25	0.06	0.00	0.00	0.40	1.36	0.49	0.22	0.32	0.08	0.00	0.00	0.53	1.64
3895	0.57	0.29	0.49	0.12	0.00	0.00	0.53	2.00	0.65	0.29	0.65	0.16	0.00	0.00	0.70	2.45
3900	0.81	0.42	0.90	0.22	0.00	0.00	0.76	3.11	0.93	0.42	1.19	0.29	0.00	0.00	1.01	3.84
3905	0.85	0.44	1.11	0.27	0.00	0.00	0.79	3.46	0.98	0.44	1.46	0.35	0.00	0.00	1.06	4.29
3910	1.26	0.64	2.59	0.62	0.00	0.00	1.17	6.28	1.44	0.65	3.40	0.82	0.00	0.00	1.56	7.87
3915	1.67	0.85	3.57	0.86	0.00	0.00	1.55	8.50	1.90	0.86	4.70	1.13	0.00	0.00	2.07	10.66
3920	1.91	0.98	4.19	1.00	0.00	0.00	1.78	9.86	2.18	0.99	5.51	1.32	0.00	0.00	2.37	12.37
3925	2.27	1.16	6.65	1.60	0.00	0.00	2.11	13.79	2.59	1.18	8.75	2.10	0.00	0.00	2.82	17.44
3930	2.37	1.21	6.65	1.60	0.00	0.00	2.21	14.04	2.71	1.23	8.75	2.10	0.00	0.00	2.94	17.73
3935	2.79	1.43	8.62	2.07	0.00	0.00	2.60	17.51	3.19	1.45	11.34	2.72	0.00	0.00	3.46	22.16
3940	3.32	1.70	11.33	2.72	0.00	0.00	3.09	22.16	3.79	1.72	14.90	3.58	0.00	0.00	4.12	28.11
3950	0.10	0.05	0.35	0.08	0.00	0.00	0.09	0.67	0.12	0.05	0.46	0.11	0.00	0.00	0.13	0.87
3955	0.11	0.06	0.49	0.12	0.00	0.00	0.11	0.89	0.13	0.06	0.64	0.15	0.00	0.00	0.14	1.12
3960	0.16	0.08	0.56	0.14	0.00	0.00	0.15	1.09	0.18	0.08	0.74	0.18	0.00	0.00	0.20	1.38
3965	0.20	0.10	0.71	0.17	0.00	0.00	0.18	1.36	0.23	0.10	0.92	0.22	0.00	0.00	0.25	1.72
3970	0.21	0.11	1.13	0.27	0.00	0.00	0.20	1.92	0.24	0.11	1.47	0.35	0.00	0.00	0.26	2.43
3975	0.20	0.10	1.13	0.27	0.00	0.00	0.19	1.89	0.23	0.10	1.47	0.35	0.00	0.00	0.25	2.40
3990	6.73	6.30	4.72	1.61	0.49	0.07	7.17	27.09	8.07	6.37	6.21	2.11	0.66	0.10	10.04	33.56
3995	7.66	7.15	5.10	1.74	0.49	0.07	8.16	30.37	9.19	7.23	6.71	2.28	0.66	0.10	11.42	37.59
4000	8.14	7.61	5.10	1.74	0.54	0.08	8.68	31.89	9.77	7.69	6.71	2.28	0.73	0.11	12.15	39.44
4005	8.26	7.74	5.67	1.93	0.62	0.09	8.81	33.12	9.91	7.83	7.45	2.53	0.84	0.13	12.34	41.03
4010	11.22	10.70	6.80	2.31	1.37	0.20	12.03	44.63	13.47	10.82	8.94	3.04	1.85	0.28	16.84	55.24
4015	15.99	15.31	9.45	3.21	2.13	0.32	17.15	63.56	19.19	15.47	12.42	4.22	2.88	0.43	24.01	78.62

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
4025	6.57	6.17	4.72	1.61	0.54	0.08	7.01	26.70	7.88	6.24	6.21	2.11	0.73	0.11	9.82	33.10
4030	7.30	6.86	5.44	1.85	0.59	0.09	7.79	29.92	8.76	6.93	7.15	2.43	0.80	0.12	10.91	37.10
4035	7.73	7.29	5.59	1.90	0.68	0.10	8.26	31.55	9.28	7.36	7.35	2.50	0.92	0.14	11.57	39.12
4040	8.45	7.91	6.84	2.33	0.59	0.09	9.01	35.22	10.14	7.99	8.99	3.06	0.80	0.12	12.62	43.72
4045	6.17	5.81	4.72	1.61	0.54	0.08	6.59	25.52	7.40	5.87	6.21	2.11	0.73	0.11	9.22	31.65
4050	6.79	6.40	5.44	1.85	0.59	0.09	7.26	28.42	8.15	6.47	7.15	2.43	0.80	0.12	10.16	35.28
4055	7.04	6.66	5.59	1.90	0.68	0.10	7.53	29.50	8.45	6.73	7.35	2.50	0.92	0.14	10.54	36.63
4060	7.70	7.25	6.84	2.33	0.68	0.10	8.22	33.12	9.24	7.33	8.99	3.06	0.92	0.14	11.51	41.19
4065	9.48	9.11	8.69	2.96	1.37	0.20	10.18	41.99	11.37	9.21	11.43	3.88	1.85	0.28	14.25	52.27
4075	3.66	3.40	2.57	0.87	0.17	0.03	3.90	14.60	4.39	3.43	3.38	1.15	0.23	0.03	5.45	18.06
4080	5.21	4.94	4.91	1.67	0.54	0.08	5.57	22.92	6.25	4.99	6.46	2.20	0.73	0.11	7.80	28.54
4085	5.71	5.42	5.48	1.86	0.62	0.09	6.11	25.29	6.85	5.48	7.20	2.45	0.84	0.13	8.55	31.50
4090	5.90	5.69	6.05	2.06	0.91	0.14	6.34	27.09	7.08	5.75	7.95	2.70	1.23	0.18	8.88	33.77
4100	3.11	2.89	4.44	0.89	0.17	0.03	3.31	14.84	3.73	2.92	5.75	1.15	0.23	0.03	4.63	18.44
4105	6.66	6.24	5.48	1.86	0.49	0.07	7.10	27.90	7.99	6.31	7.20	2.45	0.66	0.10	9.94	34.65
4110	8.10	7.59	7.03	2.39	0.62	0.09	8.64	34.46	9.71	7.68	9.24	3.14	0.84	0.13	12.09	42.83
4120	0.51	0.35	0.00	0.11	0.00	0.00	0.66	1.63								
4125	0.83	0.57	0.00	0.21	0.00	0.00	1.08	2.69								
4130	1.01	0.70	0.00	0.33	0.00	0.00	1.32	3.36								
4135	2.60	1.80	0.00	0.44	0.00	0.00	3.41	8.25								
4145	6.03	4.17	4.10	0.98	0.00	0.00	7.90	23.18								
4150	8.18	5.65	4.10	0.98	0.00	0.00	10.71	29.62								
4155	12.62	8.72	5.34	1.28	0.00	0.00	16.52	44.48								
4160	13.95	9.64	6.16	1.48	0.00	0.00	18.26	49.49								
4175	11.43	7.15	3.89	1.48	0.00	0.00	14.19	38.14	15.24	7.33	5.12	1.94	0.00	0.00	21.62	51.25
4180	16.04	11.13	6.99	1.40	0.00	0.00	21.25	56.81	20.05	11.32	9.19	1.84	0.00	0.00	29.88	72.28
4185	23.75	16.48	11.34	2.27	0.00	0.00	31.46	85.30	29.69	16.76	14.90	2.98	0.00	0.00	44.24	108.57
4190	33.70	25.04	17.24	3.79	0.00	0.00	47.10	126.87	40.44	25.37	22.65	4.98	0.00	0.00	62.80	156.24
4200	13.74	9.53	6.05	1.21	0.00	0.00	18.20	48.73	17.18	9.70	7.95	1.59	0.00	0.00	25.60	62.02
4205	19.64	13.62	8.88	1.78	0.00	0.00	26.01	69.93	24.54	13.86	11.67	2.33	0.00	0.00	36.58	88.98
4210	21.09	15.67	11.64	2.56	0.00	0.00	29.48	80.44	25.31	15.88	15.30	3.37	0.00	0.00	39.30	99.16
4215	43.97	32.68	23.28	5.12	0.00	0.00	61.45	166.50	52.76	33.10	30.60	6.73	0.00	0.00	81.94	205.13
4225	17.84	11.15	6.65	2.53	0.00	0.00	22.14	60.31	23.78	11.44	8.74	3.32	0.00	0.00	33.74	81.02
4230	21.04	14.60	7.75	1.55	0.00	0.00	27.87	72.81	26.30	14.85	10.18	2.04	0.00	0.00	39.19	92.56
4235	26.48	18.37	9.37	1.87	0.00	0.00	35.08	91.17	33.10	18.69	12.32	2.46	0.00	0.00	49.33	115.90
4240	39.34	29.24	14.82	3.26	0.00	0.00	54.99	141.65	47.21	29.62	19.47	4.28	0.00	0.00	73.32	173.90
4250	10.57	6.61	4.72	1.80	0.00	0.00	13.12	36.82	14.09	6.78	6.21	2.36	0.00	0.00	20.00	49.44
4255	13.00	8.13	6.24	2.37	0.00	0.00	16.14	45.88	17.34	8.34	8.20	3.11	0.00	0.00	24.60	61.59
4260	13.02	9.03	7.56	1.51	0.00	0.00	17.25	48.37	16.27	9.19	9.94	1.99	0.00	0.00	24.25	61.64
4270	12.77	7.99	3.40	1.29	0.00	0.00	15.86	41.31	17.03	8.19	4.47	1.70	0.00	0.00	24.16	55.55
4275	15.60	9.75	5.10	1.94	0.00	0.00	19.37	51.76	20.80	10.01	6.71	2.55	0.00	0.00	29.51	69.58
4280	23.95	16.62	7.37	1.47	0.00	0.00	31.73	81.14	29.94	16.91	9.69	1.94	0.00	0.00	44.62	103.10
4285	37.31	25.88	12.28	2.46	0.00	0.00	49.42	127.35	46.64	26.33	16.15	3.23	0.00	0.00	69.50	161.85
4300	15.72	9.83	4.35	1.65	0.00	0.00	19.51	51.06	20.96	10.08	5.71	2.17	0.00	0.00	29.73	68.65
4305	19.33	12.09	6.05	2.30	0.00	0.00	24.00	63.77	25.77	12.40	7.95	3.02	0.00	0.00	36.56	85.70
4310	22.69	15.74	10.28	2.06	0.00	0.00	30.06	80.83	28.36	16.01	13.51	2.70	0.00	0.00	42.27	102.85
4325	12.75	8.84	6.80	1.36	0.00	0.00	16.89	46.64	15.94	9.00	8.94	1.79	0.00	0.00	23.75	59.42
4330	22.86	15.86	10.96	2.19	0.00	0.00	30.28	82.15	28.57	16.13	14.41	2.88	0.00	0.00	42.58	104.57
4335	28.53	21.20	14.74	3.24	0.00	0.00	39.87	107.58	34.23	21.48	19.38	4.26	0.00	0.00	53.16	132.51
4345	11.82	7.39	4.95	1.88	0.00	0.00	14.67	40.71	15.76	7.58	6.51	2.47	0.00	0.00	22.36	54.68
4350	20.54	14.25	7.94	1.59	0.00	0.00	27.21	71.53	25.68	14.50	10.43	2.09	0.00	0.00	38.27	90.97
4355	23.17	16.07	9.83	1.97	0.00	0.00	30.69	81.73	28.96	16.35	12.92	2.58	0.00	0.00	43.15	103.96
4365	11.88	7.43	4.08	1.55	0.00	0.00	14.75	39.69	15.84	7.62	5.37	2.04	0.00	0.00	22.47	53.34
4370	15.55	9.72	5.41	2.05	0.00	0.00	19.31	52.04	20.74	9.98	7.10	2.70	0.00	0.00	29.42	69.94
4375	15.97	11.08	7.94	1.59	0.00	0.00	21.16	57.74	19.96	11.27	10.43	2.09	0.00	0.00	29.75	73.50

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4380	23.18	16.08	9.07	1.81	0.00	0.00	30.70	80.84	28.97	16.36	11.92	2.38	0.00	0.00	43.17	102.80
4385	28.88	20.03	11.60	2.32	0.00	0.00	38.26	101.09	36.10	20.38	15.25	3.05	0.00	0.00	53.80	128.58
4390	32.94	24.48	12.55	2.76	0.00	0.00	46.04	118.77	39.53	24.80	16.49	3.63	0.00	0.00	61.39	145.84
4395	40.95	30.43	15.88	3.49	0.00	0.00	57.23	147.98	49.14	30.83	20.87	4.59	0.00	0.00	76.31	181.74
4400	45.65	33.93	17.54	3.86	0.00	0.00	63.81	164.79	54.78	34.37	23.05	5.07	0.00	0.00	85.08	202.35
4405	56.87	48.85	25.10	6.02	0.00	0.00	97.15	233.99	66.35	49.31	32.99	7.92	0.00	0.00	123.01	280.21
4410	66.32	56.97	31.45	7.55	0.00	0.00	113.30	275.59	77.38	57.51	41.33	9.92	0.00	0.00	144.00	330.30
4425	14.63	9.15	5.75	2.18	0.00	0.00	18.17	49.88	19.51	9.39	7.55	2.87	0.00	0.00	27.68	67.00
4430	20.21	14.02	8.62	1.72	0.00	0.00	26.77	71.34	25.26	14.26	11.33	2.27	0.00	0.00	37.64	90.76
4435	25.05	17.38	11.49	2.30	0.00	0.00	33.18	89.40	31.31	17.68	15.10	3.02	0.00	0.00	46.66	113.77
4445	9.87	9.23	7.56	2.77	0.62	0.09	7.69	37.83	11.39	9.30	9.91	3.63	0.78	0.12	9.76	44.89
4450	12.73	11.86	8.09	2.91	0.64	0.10	9.91	46.24	14.68	11.95	10.42	3.75	0.81	0.12	12.57	54.30
4455	14.42	16.03	13.43	3.49	1.03	0.16	13.48	62.04	16.22	16.12	17.33	4.51	1.28	0.19	16.43	72.08
4465	1.69	1.16	0.00	0.12	0.00	0.00	2.17	5.14	2.12	1.18	0.00	0.12	0.00	0.00	3.05	6.47
4470	2.24	1.54	0.00	0.14	0.00	0.00	2.88	6.80	2.81	1.57	0.00	0.14	0.00	0.00	4.04	8.56
4475	3.32	2.28	0.00	0.19	0.00	0.00	4.25	10.04	4.14	2.32	0.00	0.19	0.00	0.00	5.97	12.62
4480	1.68	1.15	0.00	0.26	0.00	0.00	2.15	5.24	2.10	1.17	0.00	0.26	0.00	0.00	3.02	6.55
4490	1.35	0.87	0.81	0.19	0.06	0.01	3.58	6.87								
4500	1.05	0.68	0.32	0.08	0.06	0.01	2.78	4.98								
4505	1.40	0.90	0.65	0.16	0.06	0.01	3.70	6.88								
4510	1.65	1.05	0.81	0.19	0.06	0.01	4.36	8.13								
4520	2.34	1.92	1.15	0.32	0.87	0.13	3.75	10.48	2.92	1.95	1.51	0.42	1.36	0.20	5.21	13.57
4530	0.49	0.37	0.00	0.00	0.00	0.00	0.77	1.63	0.61	0.38	0.00	0.00	0.00	0.00	1.07	2.06
4535	0.58	0.45	0.00	0.00	0.00	0.00	0.92	1.95	0.73	0.45	0.00	0.00	0.00	0.00	1.27	2.45
4540	0.11	0.09	0.00	0.00	0.00	0.00	0.18	0.38	0.14	0.09	0.00	0.00	0.00	0.00	0.25	0.48
4545	0.59	0.45	0.00	0.00	0.00	0.00	0.93	1.97	0.74	0.46	0.00	0.00	0.00	0.00	1.29	2.49
4550	0.44	0.34	0.00	0.00	0.00	0.00	0.70	1.48	0.55	0.35	0.00	0.00	0.00	0.00	0.97	1.87
4555	0.55	0.42	0.00	0.00	0.00	0.00	0.87	1.84	0.69	0.43	0.00	0.00	0.00	0.00	1.20	2.32
4560	0.79	0.60	0.00	0.00	0.00	0.00	1.24	2.63	0.98	0.61	0.00	0.00	0.00	0.00	1.72	3.31
4565	0.08	0.06	0.00	0.00	0.00	0.00	0.13	0.27	0.10	0.06	0.00	0.00	0.00	0.00	0.18	0.34
4570	2.53	2.09	1.72	0.48	1.06	0.16	4.07	12.11	3.17	2.13	2.27	0.64	1.67	0.25	5.66	15.79
4580	0.57	0.44	0.00	0.00	0.00	0.00	0.90	1.91	0.72	0.45	0.00	0.00	0.00	0.00	1.26	2.43
4585	0.62	0.47	0.00	0.00	0.00	0.00	0.98	2.07	0.77	0.48	0.00	0.00	0.00	0.00	1.36	2.61
4590	0.11	0.09	0.00	0.00	0.00	0.00	0.18	0.38	0.14	0.09	0.00	0.00	0.00	0.00	0.25	0.48
4595	0.59	0.45	0.00	0.00	0.00	0.00	0.93	1.97	0.74	0.46	0.00	0.00	0.00	0.00	1.29	2.49
4600	0.51	0.39	0.00	0.00	0.00	0.00	0.80	1.70	0.64	0.40	0.00	0.00	0.00	0.00	1.11	2.15
4605	0.71	0.55	0.00	0.00	0.00	0.00	1.12	2.38	0.89	0.55	0.00	0.00	0.00	0.00	1.56	3.00
4610	0.89	0.68	0.00	0.00	0.00	0.00	1.40	2.97	1.11	0.69	0.00	0.00	0.00	0.00	1.95	3.75
4615	0.08	0.06	0.00	0.00	0.00	0.00	0.13	0.27	0.10	0.06	0.00	0.00	0.00	0.00	0.18	0.34
4620	2.88	2.41	2.30	0.64	1.41	0.21	4.65	14.50	3.60	2.45	3.02	0.85	2.22	0.33	6.46	18.93
4630	0.61	0.47	0.00	0.00	0.00	0.00	0.96	2.04	0.76	0.47	0.00	0.00	0.00	0.00	1.33	2.56
4635	0.66	0.51	0.00	0.00	0.00	0.00	1.04	2.21	0.83	0.51	0.00	0.00	0.00	0.00	1.45	2.79
4640	0.11	0.09	0.00	0.00	0.00	0.00	0.18	0.38	0.14	0.09	0.00	0.00	0.00	0.00	0.25	0.48
4645	0.59	0.45	0.00	0.00	0.00	0.00	0.93	1.97	0.74	0.46	0.00	0.00	0.00	0.00	1.29	2.49
4650	0.59	0.45	0.00	0.00	0.00	0.00	0.93	1.97	0.74	0.46	0.00	0.00	0.00	0.00	1.30	2.50
4655	0.85	0.65	0.00	0.00	0.00	0.00	1.35	2.85	1.07	0.66	0.00	0.00	0.00	0.00	1.87	3.60
4660	1.09	0.84	0.00	0.00	0.00	0.00	1.73	3.66	1.37	0.85	0.00	0.00	0.00	0.00	2.40	4.62
4665	0.08	0.06	0.00	0.00	0.00	0.00	0.13	0.27	0.10	0.06	0.00	0.00	0.00	0.00	0.18	0.34
4670	3.65	3.08	3.45	0.97	1.96	0.29	5.91	19.31	4.57	3.12	4.54	1.27	3.10	0.46	8.20	25.26
4680	0.70	0.54	0.00	0.00	0.00	0.00	1.11	2.35	0.88	0.55	0.00	0.00	0.00	0.00	1.54	2.97
4685	0.88	0.68	0.00	0.00	0.00	0.00	1.39	2.95	1.10	0.69	0.00	0.00	0.00	0.00	1.93	3.72
4690	0.11	0.09	0.00	0.00	0.00	0.00	0.18	0.38	0.14	0.09	0.00	0.00	0.00	0.00	0.25	0.48
4695	0.59	0.45	0.00	0.00	0.00	0.00	0.93	1.97	0.74	0.46	0.00	0.00	0.00	0.00	1.29	2.49
4700	0.77	0.59	0.00	0.00	0.00	0.00	1.21	2.57	0.96	0.60	0.00	0.00	0.00	0.00	1.52	3.24
4705	1.00	0.76	0.00	0.00	0.00	0.00	1.57	3.33	1.25	0.78	0.00	0.00	0.00	0.00	2.00	4.21

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	
4710	1.51	1.15	0.00	0.00	0.00	0.00	2.38	5.04	1.88	1.17	0.00	0.00	0.00	0.00	3.30	6.35
4715	0.08	0.06	0.00	0.00	0.00	0.00	0.13	0.27	0.10	0.06	0.00	0.00	0.00	0.00	0.18	0.34
4720	6.47	5.29	5.25	1.47	2.29	0.34	10.38	31.49	8.09	5.38	6.91	1.94	3.60	0.54	14.41	40.87
4730	0.98	0.75	0.00	0.00	0.00	0.00	1.55	3.28	1.23	0.76	0.00	0.00	0.00	0.00	2.15	4.14
4735	0.11	0.09	0.00	0.00	0.00	0.00	0.18	0.38	0.14	0.09	0.00	0.00	0.00	0.00	0.25	0.48
4740	0.63	0.48	0.00	0.00	0.00	0.00	0.99	2.10	0.78	0.49	0.00	0.00	0.00	0.00	1.37	2.64
4745	0.92	0.71	0.00	0.00	0.00	0.00	1.46	3.09	1.16	0.72	0.00	0.00	0.00	0.00	2.02	3.90
4750	1.36	1.04	0.00	0.00	0.00	0.00	2.14	4.54	1.69	1.05	0.00	0.00	0.00	0.00	2.97	5.71
4755	1.86	1.42	0.00	0.00	0.00	0.00	2.92	6.20	2.32	1.44	0.00	0.00	0.00	0.00	4.06	7.82
4760	0.08	0.06	0.00	0.00	0.00	0.00	0.13	0.27	0.10	0.06	0.00	0.00	0.00	0.00	0.18	0.34
4765	10.73	9.01	5.13	1.44	5.64	0.85	17.33	50.13	13.41	9.15	6.75	1.89	8.94	1.34	24.07	65.55
4770	12.00	9.99	7.59	2.13	5.75	0.86	19.35	57.67	15.00	10.15	9.99	2.80	9.13	1.37	26.87	75.31
4775	12.10	10.32	7.59	2.13	7.96	1.19	19.63	60.92	15.12	10.49	9.99	2.80	12.71	1.91	27.26	80.28
4780	13.85	11.84	11.90	3.33	9.41	1.41	22.49	74.23	17.32	12.03	15.66	4.38	15.06	2.26	31.24	97.95
4785	13.38	11.04	7.59	2.13	5.64	0.85	21.52	62.15	16.73	11.21	9.99	2.80	8.94	1.34	29.88	80.89
4790	14.18	11.66	7.59	2.13	5.75	0.86	22.78	64.95	17.73	11.85	9.99	2.80	9.13	1.37	31.64	84.51
4795	15.85	13.20	11.90	3.33	7.96	1.19	25.54	78.97	19.81	13.40	15.66	4.38	12.71	1.91	35.47	103.34
4800	17.42	14.57	11.90	3.33	9.41	1.41	28.11	86.15	21.78	14.80	15.66	4.38	15.06	2.26	39.04	112.98
4810	1.18	0.91	0.00	0.00	0.00	0.00	1.86	3.95	1.48	0.92	0.00	0.00	0.00	0.00	2.59	4.99
4815	1.57	1.20	0.00	0.00	0.00	0.00	2.48	5.25	1.97	1.22	0.00	0.00	0.00	0.00	3.44	6.63
4820	1.78	1.37	0.00	0.00	0.00	0.00	2.81	5.96	2.23	1.39	0.00	0.00	0.00	0.00	3.91	7.53
4825	1.79	1.37	0.00	0.00	0.00	0.00	2.82	5.98	2.24	1.39	0.00	0.00	0.00	0.00	3.91	7.54
4835	3.54	2.43	1.73	0.66	0.00	0.00	7.10	15.46	4.43	2.48	2.27	0.86	0.00	0.00	9.22	19.26
4840	4.45	3.05	2.35	0.89	0.00	0.00	8.90	19.64	5.56	3.11	3.09	1.17	0.00	0.00	11.57	24.50
4845	6.03	4.14	3.45	1.31	0.00	0.00	12.07	27.00	7.54	4.21	4.55	1.73	0.00	0.00	15.69	33.72
4850	8.06	5.53	4.65	1.77	0.00	0.00	16.13	36.14	10.07	5.63	6.12	2.33	0.00	0.00	20.97	45.12
4855	9.40	6.45	6.20	2.36	0.00	0.00	18.82	43.23	11.75	6.57	8.16	3.10	0.00	0.00	24.47	54.05
4865	4.08	2.80	2.88	1.09	0.00	0.00	8.17	19.02	5.10	2.85	3.79	1.44	0.00	0.00	10.62	23.80
4870	7.11	4.88	3.54	1.35	0.00	0.00	14.23	31.11	8.89	4.97	4.67	1.77	0.00	0.00	18.50	38.80
4875	8.70	5.97	4.87	1.85	0.00	0.00	17.41	38.80	10.87	6.07	6.42	2.44	0.00	0.00	22.63	48.43
4880	11.45	7.86	6.64	2.52	0.00	0.00	22.92	51.39	14.32	8.00	8.75	3.32	0.00	0.00	29.80	64.19
4885	16.79	11.52	9.30	3.53	0.00	0.00	33.60	74.74	20.98	11.73	12.25	4.65	0.00	0.00	43.68	93.29
4895	3.85	2.64	2.79	1.06	0.00	0.00	7.70	18.04	4.81	2.69	3.67	1.40	0.00	0.00	10.01	22.58
4900	4.55	3.12	3.45	1.31	0.00	0.00	9.11	21.54	5.69	3.18	4.55	1.73	0.00	0.00	11.84	26.99
4905	5.49	3.77	3.85	1.46	0.00	0.00	11.00	25.57	6.87	3.84	5.07	1.93	0.00	0.00	14.30	32.01
4910	6.85	4.70	5.40	2.05	0.00	0.00	13.71	32.71	8.56	4.78	7.12	2.70	0.00	0.00	17.82	40.98
4915	9.01	6.18	6.64	2.52	0.00	0.00	18.03	42.38	11.26	6.29	8.75	3.32	0.00	0.00	23.44	53.06
4920	12.61	8.65	9.87	3.75	0.00	0.00	25.24	60.12	15.76	8.81	13.01	4.94	0.00	0.00	32.81	75.33
4930	4.64	3.18	2.88	1.09	0.00	0.00	9.29	21.08	5.80	3.24	3.79	1.44	0.00	0.00	12.07	26.34
4935	5.57	3.82	3.45	1.31	0.00	0.00	11.14	25.29	6.96	3.89	4.55	1.73	0.00	0.00	14.49	31.62
4940	8.66	5.95	5.76	2.19	0.00	0.00	17.34	39.90	10.83	6.05	7.58	2.88	0.00	0.00	22.54	49.88
4945	12.36	8.48	8.41	3.20	0.00	0.00	24.73	57.18	15.44	8.63	11.08	4.21	0.00	0.00	32.15	71.51
4955	3.44	2.36	1.86	0.71	0.00	0.00	6.89	15.26	4.30	2.40	2.45	0.93	0.00	0.00	8.96	19.04
4960	4.59	3.15	2.97	1.13	0.00	0.00	9.18	21.02	5.73	3.20	3.91	1.48	0.00	0.00	11.93	26.25
4965	5.61	3.85	3.45	1.31	0.00	0.00	11.23	25.45	7.01	3.92	4.55	1.73	0.00	0.00	14.60	31.81
4975	4.08	2.80	2.92	1.11	0.00	0.00	8.17	19.08	5.10	2.85	3.85	1.46	0.00	0.00	10.62	23.88
4980	5.66	3.88	3.99	1.51	0.00	0.00	11.33	26.37	7.08	3.95	5.25	1.99	0.00	0.00	14.73	33.00
4985	7.11	4.88	4.87	1.85	0.00	0.00	14.24	32.95	8.89	4.97	6.42	2.44	0.00	0.00	18.51	41.23
4990	8.66	5.94	5.98	2.27	0.00	0.00	17.33	40.18	10.82	6.05	7.87	2.99	0.00	0.00	22.53	50.26
4995	12.27	8.42	8.86	3.37	0.00	0.00	24.56	57.48	15.33	8.57	11.66	4.43	0.00	0.00	31.92	71.91
5000	24.38	16.73	15.50	5.89	0.00	0.00	48.79	111.29	30.47	17.03	20.41	7.76	0.00	0.00	63.43	139.10
5010	0.65	0.52	1.13	0.36	0.10	0.01	0.81	3.58	0.81	0.53	1.47	0.47	0.19	0.03	1.09	4.59
5015	0.76	0.60	0.53	0.22	0.10	0.01	0.95	3.17	0.95	0.61	0.70	0.29	0.19	0.03	1.27	4.04
5020	0.95	0.75	1.62	0.52	0.09	0.01	1.18	5.12	1.18	0.76	2.12	0.68	0.16	0.02	1.59	6.51
5025	1.05	0.83	0.90	0.38	0.09	0.01	1.32	4.58	1.32	0.84	1.19	0.50	0.16	0.02	1.77	5.80

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	
5030	1.24	0.98	1.15	0.48	0.10	0.02	1.56	5.53	1.56	0.99	1.51	0.64	0.20	0.03	2.08	7.01	
5035	1.16	0.91	2.26	0.72	0.10	0.02	1.45	6.62	1.45	0.93	2.94	0.94	0.20	0.03	1.94	8.43	
5040	1.34	1.05	2.40	0.77	0.10	0.02	1.67	7.35	1.67	1.07	3.13	1.00	0.20	0.03	2.24	9.34	
5045	1.43	1.12	1.48	0.62	0.10	0.02	1.79	6.56	1.79	1.14	1.94	0.82	0.20	0.03	2.40	8.32	
5050	1.81	1.45	2.22	0.93	0.29	0.04	2.28	9.02	2.27	1.48	2.92	1.22	0.56	0.08	3.05	11.58	
5055	3.21	2.68	3.20	1.34	1.06	0.16	4.08	15.73	4.02	2.72	4.21	1.77	2.03	0.30	5.47	20.52	
5065	3.63	2.86	2.26	0.95	0.34	0.05	4.54	14.63	4.53	2.90	2.97	1.25	0.66	0.10	6.08	18.49	
5070	4.75	3.79	3.41	1.43	0.71	0.11	5.96	20.16	5.94	3.85	4.48	1.88	1.36	0.20	7.99	25.70	
5075	6.20	4.92	4.23	1.78	0.75	0.11	7.77	25.76	7.75	5.00	5.56	2.34	1.43	0.21	10.41	32.70	
5080	6.44	5.17	4.51	1.90	1.09	0.16	8.09	27.36	8.05	5.25	5.94	2.49	2.09	0.31	10.84	34.97	
5085	7.91	6.30	5.42	2.28	1.09	0.16	9.93	33.09	9.89	6.40	7.13	2.99	2.09	0.31	13.30	42.11	
5090	10.87	8.52	7.59	3.19	0.82	0.12	13.58	44.69	13.58	8.66	9.99	4.20	1.57	0.23	18.18	56.41	
5100	4.13	3.33	2.67	1.12	0.81	0.12	5.19	17.37	5.16	3.38	3.51	1.47	1.54	0.23	6.96	22.25	
5105	5.37	4.29	3.28	1.38	0.82	0.12	6.74	22.00	6.71	4.36	4.32	1.81	1.56	0.23	9.03	28.02	
5110	6.09	4.90	4.10	1.72	1.09	0.16	7.66	25.72	7.61	4.98	5.40	2.27	2.09	0.31	10.26	32.92	
5115	9.79	7.69	6.36	2.67	0.82	0.12	12.24	39.69	12.23	7.81	8.37	3.52	1.57	0.23	16.39	50.12	
5120	12.89	10.48	8.21	3.45	2.92	0.44	16.26	54.65	16.11	10.65	10.80	4.54	5.57	0.84	21.78	70.29	
5125	16.15	12.83	11.08	3.32	5.30	0.79	17.77	67.24	19.38	12.99	14.58	4.37	10.11	1.52	22.85	85.80	
5130	22.44	18.47	15.39	4.62	8.27	1.24	24.84	95.27	26.93	18.71	20.25	6.07	15.79	2.37	31.94	122.06	
5135	44.74	37.62	28.32	8.50	20.22	3.03	49.71	192.14	53.69	38.11	37.26	11.18	38.60	5.79	63.92	248.55	
5145	4.68	3.76	3.37	1.41	0.81	0.12	5.89	20.04	5.85	3.82	4.43	1.86	1.54	0.23	7.89	25.62	
5150	5.50	4.39	4.39	1.84	0.82	0.12	6.91	23.97	6.88	4.46	5.78	2.43	1.56	0.23	9.25	30.59	
5155	6.35	5.10	4.97	2.09	1.09	0.16	7.99	27.75	7.94	5.18	6.53	2.74	2.09	0.31	10.70	35.49	
5160	8.94	7.28	6.32	2.65	2.10	0.32	11.28	38.89	11.17	7.40	8.32	3.49	4.02	0.60	15.11	50.11	
5165	12.01	9.89	8.62	3.62	3.35	0.50	15.20	53.19	15.01	10.04	11.34	4.76	6.40	0.96	20.36	68.87	
5170	15.32	12.21	11.20	3.36	5.30	0.79	16.87	65.05	18.39	12.37	14.74	4.42	10.11	1.52	21.69	83.24	
5175	21.56	17.41	14.77	4.43	6.40	0.96	23.79	89.32	25.87	17.63	19.44	5.83	12.22	1.83	30.58	113.40	
5180	39.67	32.90	25.12	7.53	15.80	2.37	43.97	167.36	47.60	33.33	33.05	9.91	30.16	4.52	56.53	215.10	
5190	4.27	3.43	3.28	1.38	0.75	0.11	5.37	18.59	5.34	3.49	4.32	1.81	1.43	0.21	7.20	23.80	
5195	5.51	4.38	4.19	1.76	0.75	0.11	6.91	23.61	6.88	4.45	5.51	2.31	1.43	0.21	9.25	30.04	
5200	5.99	4.82	4.92	2.07	1.09	0.16	7.53	26.58	7.48	4.89	6.48	2.72	2.09	0.31	10.09	34.06	
5205	8.17	6.71	6.36	2.67	2.21	0.33	10.33	36.78	10.21	6.82	8.37	3.52	4.21	0.63	13.84	47.60	
5210	12.57	10.32	8.82	3.71	3.35	0.50	15.90	55.17	15.71	10.48	11.61	4.88	6.40	0.96	21.30	71.34	
5215	17.46	14.36	13.75	4.12	6.40	0.96	19.32	76.37	20.95	14.55	18.09	5.43	12.22	1.83	24.85	97.92	
5225	1.93	1.58	1.97	0.83	0.46	0.07	2.44	9.28	2.41	1.60	2.59	1.09	0.87	0.13	3.26	11.95	
5230	2.37	1.92	2.26	0.95	0.47	0.07	2.98	11.02	2.96	1.95	2.97	1.25	0.89	0.13	4.00	14.15	
5235	4.94	3.96	3.61	1.52	0.81	0.12	6.21	21.17	6.17	4.02	4.75	2.00	1.54	0.23	8.31	27.02	
5240	5.95	4.79	4.39	1.84	1.09	0.16	7.49	25.71	7.44	4.87	5.78	2.43	2.09	0.31	10.03	32.95	
5245	8.49	6.70	5.58	2.34	0.82	0.12	10.63	34.68	10.62	6.80	7.34	3.08	1.57	0.23	14.24	43.88	
5255	3.77	3.22	3.28	1.38	1.65	0.25	4.82	18.37	4.71	3.27	4.32	1.81	3.15	0.47	6.46	24.19	
5260	4.88	3.97	4.10	1.72	1.09	0.16	6.16	22.08	6.10	4.03	5.40	2.27	2.09	0.31	8.25	28.45	
5265	5.86	4.73	4.92	2.07	1.16	0.17	7.37	26.28	7.32	4.80	6.48	2.72	2.21	0.33	9.88	33.74	
5270	8.66	6.83	6.36	2.67	0.82	0.12	10.84	36.30	10.83	6.94	8.37	3.52	1.57	0.23	14.52	45.98	
5275	11.37	9.36	7.76	3.26	3.20	0.48	14.40	49.83	14.21	9.51	10.21	4.29	6.10	0.91	19.28	64.51	
5280	15.59	13.02	8.58	3.60	5.30	0.79	19.81	66.69	19.49	13.22	11.29	4.74	10.11	1.52	26.53	86.90	
5285	21.68	17.50	17.03	5.11	6.40	0.96	23.92	92.60	26.02	17.73	22.41	6.72	12.22	1.83	30.76	117.69	
5290	41.59	33.63	24.21	7.26	12.55	1.88	45.91	167.03	49.91	34.07	31.86	9.56	23.96	3.59	59.02	211.97	
5300	1.85	1.49	1.76	0.74	0.28	0.04	2.33	8.49	2.32	1.51	2.32	0.98	0.52	0.08	3.12	10.85	
5305	4.97	3.98	3.49	1.47	0.81	0.12	6.24	21.08	6.21	4.04	4.59	1.93	1.54	0.23	8.36	26.90	
5310	6.07	4.80	4.31	1.81	0.65	0.10	7.60	25.34	7.58	4.87	5.67	2.38	1.24	0.19	10.17	32.10	
5315	8.45	6.83	5.95	2.50	1.65	0.25	10.65	36.28	10.57	6.93	7.83	3.29	3.15	0.47	14.26	46.50	
5320	14.11	11.30	10.67	3.20	5.30	0.79	15.55	60.92	16.93	11.45	14.04	4.21	10.11	1.52	19.99	78.25	
5330	5.03	4.08	4.27	1.79	1.09	0.16	6.34	22.76	6.28	4.14	5.62	2.36	2.09	0.31	8.49	29.29	
5335	7.12	5.64	6.48	2.72	0.82	0.12	8.92	31.82	8.90	5.73	8.53	3.58	1.57	0.23	11.94	40.48	
5340	8.91	7.39	7.67	3.22	2.78	0.42	11.30	41.69	11.13	7.51	10.10	4.24	5.31	0.80	15.13	54.22	

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
5345	12.49	10.13	12.52	3.76	5.52	0.83	13.79	59.04	14.98	10.27	16.47	4.94	10.54	1.58	17.73	76.51
5355	5.17	4.19	4.23	1.78	1.09	0.16	6.51	23.13	6.46	4.25	5.56	2.34	2.09	0.31	8.73	29.74
5360	5.92	4.77	4.64	1.95	1.09	0.16	7.45	25.98	7.40	4.85	6.10	2.56	2.09	0.31	9.98	33.29
5365	8.43	6.65	5.91	2.48	0.82	0.12	10.55	34.96	10.54	6.75	7.78	3.27	1.57	0.23	14.13	44.27
5370	10.89	8.93	8.62	3.62	2.85	0.43	13.78	49.12	13.62	9.07	11.34	4.76	5.44	0.82	18.45	63.50
5375	15.32	12.20	12.60	3.78	5.30	0.79	16.86	66.85	18.38	12.36	16.58	4.97	10.11	1.52	21.68	85.60
5380	22.01	17.75	15.92	4.78	6.40	0.96	24.28	92.10	26.41	17.98	20.95	6.29	12.22	1.83	31.22	116.90
5390	5.34	4.27	3.49	1.47	0.82	0.12	6.70	22.21	6.67	4.33	4.59	1.93	1.56	0.23	8.98	28.29
5395	6.09	4.90	8.26	2.64	1.09	0.16	7.66	30.80	7.61	4.98	10.77	3.45	2.09	0.31	10.26	39.47
5400	8.67	6.84	6.11	2.57	0.82	0.12	10.85	35.98	10.84	6.94	8.05	3.38	1.57	0.23	14.53	45.54
5405	10.33	8.48	7.47	3.14	2.78	0.42	13.07	45.69	12.91	8.62	9.83	4.13	5.31	0.80	17.50	59.10
5410	11.22	9.28	8.33	3.50	3.35	0.50	14.22	50.40	14.02	9.42	10.96	4.60	6.40	0.96	19.04	65.40
5415	15.24	12.33	11.70	3.51	6.49	0.97	16.82	67.06	18.29	12.49	15.39	4.62	12.39	1.86	21.63	86.67
5420	19.95	16.21	16.42	4.92	6.40	0.96	22.04	86.90	23.94	16.42	21.60	6.48	12.22	1.83	28.33	110.82
5430	3.20	2.52	1.93	0.62	0.23	0.03	4.58	13.11	4.01	2.56	2.54	0.81	0.32	0.05	6.09	16.38
5435	3.75	2.94	2.26	0.72	0.23	0.03	5.35	15.28	4.69	2.99	2.97	0.95	0.32	0.05	7.11	19.08
5440	5.74	4.52	3.28	1.05	0.42	0.06	8.21	23.28	7.18	4.59	4.32	1.38	0.58	0.09	10.91	29.05
5445	6.82	5.35	4.56	1.46	0.40	0.06	9.74	28.39	8.53	5.43	5.99	1.92	0.57	0.08	12.94	35.46
5455	3.73	3.02	2.54	0.81	0.65	0.10	5.37	16.22	4.66	3.07	3.35	1.07	0.92	0.14	7.13	20.34
5460	5.49	4.38	3.28	1.05	0.61	0.09	7.87	22.77	6.86	4.44	4.32	1.38	0.85	0.13	10.45	28.43
5465	6.11	4.82	4.10	1.31	0.47	0.07	8.74	25.62	7.64	4.90	5.40	1.73	0.65	0.10	11.61	32.03
5475	4.83	3.31	1.73	0.66	0.00	0.00	9.67	20.20	6.04	3.37	2.27	0.86	0.00	0.00	12.56	25.10
5480	5.75	3.95	2.35	0.89	0.00	0.00	11.51	24.45	7.19	4.01	3.09	1.17	0.00	0.00	14.96	30.42
5490	5.20	3.57	2.88	1.09	0.00	0.00	10.40	23.14	6.50	3.63	3.79	1.44	0.00	0.00	13.52	28.88
5500	0.61	0.32	0.00	0.54	0.00	0.00	1.04	2.51								
5505	1.27	0.67	0.00	1.12	0.00	0.00	2.15	5.21								
5510	2.46	1.31	0.00	2.12	0.00	0.00	4.17	10.06								
5515	0.65	0.34	0.00	0.27	0.00	0.00	1.10	2.36								
5520	1.02	0.54	0.00	0.38	0.00	0.00	1.73	3.67								
5530	1.78	0.95	0.00	0.27	0.00	0.00	3.02	6.02								
5535	2.70	1.43	0.00	0.36	0.00	0.00	4.58	9.07								
5545	2.28	1.21	0.00	0.30	0.00	0.00	3.86	7.65								
5550	3.03	1.60	0.00	0.53	0.00	0.00	5.13	10.29								
5555	3.65	1.93	0.00	0.85	0.00	0.00	6.18	12.61								
5565	4.51	2.39	0.00	0.07	0.00	0.00	7.65	14.62								
5570	5.04	2.67	0.00	0.07	0.00	0.00	8.55	16.33								
5575	8.29	4.40	0.00	0.07	0.00	0.00	14.05	26.81								
5580	8.84	4.69	0.00	0.07	0.00	0.00	14.99	28.59								
5590	4.68	2.48	0.00	0.46	0.00	0.00	7.93	15.55								
5595	5.38	2.85	0.00	0.53	0.00	0.00	9.11	17.87								
5600	6.29	3.34	0.00	0.64	0.00	0.00	10.66	20.93								
5605	6.90	3.66	0.00	0.79	0.00	0.00	11.69	23.04								
5610	7.84	4.16	0.00	0.68	0.00	0.00	13.28	25.96								
5615	9.21	4.88	0.00	1.01	0.00	0.00	15.60	30.70								
5620	10.64	5.64	0.00	1.01	0.00	0.00	18.03	35.32								
5625	14.23	7.55	0.00	1.23	0.00	0.00	24.12	47.13								
5630	20.52	10.88	0.00	1.35	0.00	0.00	34.77	67.52								
5640	3.66	1.94	0.00	0.53	0.00	0.00	6.20	12.33								
5645	4.23	2.25	0.00	0.69	0.00	0.00	7.18	14.35								
5650	5.61	2.98	0.00	0.69	0.00	0.00	9.51	18.79								
5655	1.36	0.72	0.00	0.27	0.00	0.00	2.30	4.65								
5660	1.74	0.93	0.00	0.36	0.00	0.00	2.96	5.99								
5665	2.22	1.17	0.00	0.46	0.00	0.00	3.76	7.61								
5675	6.03	3.19	0.00	0.71	0.00	0.00	10.21	20.14								
5680	6.84	3.63	0.00	0.85	0.00	0.00	11.59	22.91								

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	
5685	7.40	3.92	0.00	1.01	0.00	0.00	12.54	24.87							
5690	9.08	4.82	0.00	1.18	0.00	0.00	15.39	30.47							
5695	11.14	5.91	0.00	1.23	0.00	0.00	18.88	37.16							
5700	15.80	8.38	0.00	1.46	0.00	0.00	26.77	52.41							
5710	7.85	4.16	2.42	0.77	0.00	0.00	13.31	28.51							
5715	14.78	7.84	6.40	2.05	0.00	0.00	25.04	56.11							
5720	21.44	11.37	12.11	3.87	0.00	0.00	36.33	85.12							
5725	23.02	12.21	22.57	7.22	0.00	0.00	39.02	104.04							
5730	28.89	15.32	26.68	8.54	0.00	0.00	48.96	128.39							
5740	6.80	7.59	2.38	0.95	0.00	0.00	10.11	27.83	8.16	7.65	3.06	1.22	0.00	0.00	13.74
5745	10.74	11.99	4.54	1.81	0.00	0.00	15.97	45.05	12.89	12.10	5.83	2.33	0.00	0.00	21.72
5750	12.26	13.69	4.54	1.81	0.00	0.00	18.23	50.53	14.72	13.81	5.83	2.33	0.00	0.00	24.79
5755	15.44	17.23	6.80	2.72	0.00	0.00	22.95	65.14	18.53	17.38	8.75	3.50	0.00	0.00	31.21
5760	21.54	24.05	9.30	3.72	0.00	0.00	32.03	90.64	25.85	24.26	11.96	4.78	0.00	0.00	43.56
5770	1.31	0.74	0.00	0.16	0.00	0.00	1.94	4.15							
5775	0.49	0.27	0.00	0.11	0.00	0.00	0.72	1.59							
5780	1.94	1.09	0.00	0.34	0.00	0.00	2.86	6.23							
5785	0.85	0.48	0.00	0.05	0.00	0.00	1.25	2.63							
5795	0.53	0.41	0.97	0.31	0.00	0.00	0.75	2.97							
5800	0.68	0.52	1.46	0.47	0.00	0.00	0.95	4.08							
5810	0.04	0.03	0.19	0.06	0.00	0.00	0.05	0.37							
5815	0.05	0.04	0.29	0.09	0.00	0.00	0.07	0.54							
5820	0.09	0.07	0.78	0.25	0.00	0.00	0.13	1.32							
5830	0.71	0.55	4.19	1.34	0.00	0.00	1.00	7.79							
5835	0.41	0.32	1.72	0.65	0.00	0.00	0.58	3.68							
5840	0.94	0.72	7.69	2.46	0.00	0.00	1.32	13.13							
5845	1.36	1.04	3.43	1.31	0.00	0.00	1.90	9.04							
5850	1.73	1.33	4.01	1.52	0.00	0.00	2.43	11.02							
5855	1.85	1.42	3.89	1.48	0.00	0.00	2.59	11.23							
5865	0.08	0.06	0.49	0.16	0.00	0.00	0.11	0.90							
5870	0.11	0.08	0.78	0.25	0.00	0.00	0.15	1.37							
5875	0.22	0.17	1.56	0.50	0.00	0.00	0.30	2.75							
5885	0.10	0.07	0.29	0.09	0.00	0.00	0.13	0.68							
5890	0.11	0.08	0.29	0.09	0.00	0.00	0.15	0.72							
5900	0.13	0.10	0.11	0.05	0.00	0.00	0.09	0.48							
5905	0.19	0.14	0.27	0.12	0.00	0.00	0.13	0.85							
5910	0.66	0.51	1.35	0.61	0.00	0.00	0.47	3.60							
5915	0.86	0.66	3.24	1.46	0.00	0.00	0.60	6.82							
5925	0.10	0.08	0.11	0.05	0.00	0.00	0.07	0.41							
5930	0.13	0.10	0.22	0.10	0.00	0.00	0.09	0.64							
5940	2.85	1.59	0.00	0.11	0.00	0.00	3.65	8.20	3.80	1.64	0.00	0.11	0.00	0.00	5.48
5945	0.23	0.13	0.00	0.00	0.00	0.00	0.30	0.66	0.31	0.13	0.00	0.00	0.00	0.00	0.89
5950	2.08	1.16	0.00	0.09	0.00	0.00	2.67	6.00	2.78	1.20	0.00	0.09	0.00	0.00	4.01
5955	0.10	0.06	0.00	0.00	0.00	0.00	0.13	0.29	0.14	0.06	0.00	0.00	0.00	0.00	0.40
5960	2.48	1.38	0.00	0.11	0.00	0.00	3.17	7.14	3.30	1.42	0.00	0.11	0.00	0.00	4.76
5965	0.22	0.12	0.00	0.00	0.00	0.00	0.28	0.62	0.30	0.13	0.00	0.00	0.00	0.00	0.86
5970	1.74	0.97	0.00	0.09	0.00	0.00	2.23	5.03	2.32	1.00	0.00	0.09	0.00	0.00	3.35
5975	0.14	0.08	0.00	0.00	0.00	0.00	0.18	0.40	0.19	0.08	0.00	0.00	0.00	0.00	0.54
5980	1.00	0.56	0.00	0.09	0.00	0.00	1.28	2.93	1.33	0.57	0.00	0.09	0.00	0.00	1.92
5985	0.05	0.03	0.00	0.00	0.00	0.00	0.07	0.15	0.07	0.03	0.00	0.00	0.00	0.00	0.20
5990	2.76	1.54	0.00	0.09	0.00	0.00	3.53	7.92	3.67	1.58	0.00	0.09	0.00	0.00	5.29
5995	0.22	0.12	0.00	0.00	0.00	0.00	0.28	0.62	0.30	0.13	0.00	0.00	0.00	0.00	0.86
6000	2.44	1.36	0.00	0.09	0.00	0.00	3.12	7.01	3.25	1.40	0.00	0.09	0.00	0.00	4.69
6005	0.29	0.16	0.00	0.00	0.00	0.00	0.38	0.83	0.39	0.17	0.00	0.00	0.00	0.00	1.12
6010	0.84	0.57	0.00	0.09	0.00	0.00	1.07	2.57	1.05	0.58	0.00	0.09	0.00	0.00	1.51
															3.23

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
6020	5.66	3.16	0.00	0.24	0.00	0.00	7.25	16.31	7.54	3.25	0.00	0.24	0.00	0.00	10.87	21.90
6025	0.41	0.23	0.00	0.00	0.00	0.00	0.53	1.17	0.55	0.24	0.00	0.00	0.00	0.00	0.79	1.58
6030	5.96	3.33	0.00	0.23	0.00	0.00	7.64	17.16	7.95	3.43	0.00	0.23	0.00	0.00	11.46	23.07
6035	4.74	2.65	0.00	0.18	0.00	0.00	6.07	13.64	6.31	2.72	0.00	0.18	0.00	0.00	9.10	18.31
6040	0.37	0.21	0.00	0.00	0.00	0.00	0.47	1.05	0.49	0.21	0.00	0.00	0.00	0.00	0.71	1.41
6045	4.42	2.47	0.00	0.18	0.00	0.00	5.67	12.74	5.90	2.54	0.00	0.18	0.00	0.00	8.50	17.12
6050	3.17	1.77	0.00	0.11	0.00	0.00	4.05	9.10	4.22	1.82	0.00	0.11	0.00	0.00	6.08	12.23
6055	0.21	0.11	0.00	0.00	0.00	0.00	0.26	0.58	0.27	0.12	0.00	0.00	0.00	0.00	0.40	0.79
6060	3.09	1.73	0.00	0.11	0.00	0.00	3.96	8.89	4.12	1.78	0.00	0.11	0.00	0.00	5.94	11.95
6065	1.78	0.99	0.00	0.09	0.00	0.00	2.27	5.13	2.37	1.02	0.00	0.09	0.00	0.00	3.41	6.89
6070	0.10	0.06	0.00	0.00	0.00	0.00	0.13	0.29	0.14	0.06	0.00	0.00	0.00	0.00	0.20	0.40
6075	1.11	0.62	0.00	0.09	0.00	0.00	1.42	3.24	1.48	0.64	0.00	0.09	0.00	0.00	2.13	4.34
6080	0.05	0.03	0.00	0.00	0.00	0.00	0.07	0.15	0.07	0.03	0.00	0.00	0.00	0.00	0.10	0.20
6085	0.69	0.38	0.00	0.09	0.00	0.00	0.88	2.04	0.91	0.39	0.00	0.09	0.00	0.00	1.32	2.71
6090	0.03	0.02	0.00	0.00	0.00	0.00	0.04	0.09	0.04	0.02	0.00	0.00	0.00	0.00	0.06	0.12
6095	0.30	0.17	0.00	0.09	0.00	0.00	0.38	0.94	0.40	0.17	0.00	0.09	0.00	0.00	0.57	1.23
6100	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.03	0.06
6110	6.31	3.53	0.00	0.31	0.00	0.00	8.08	18.23	8.41	3.63	0.00	0.31	0.00	0.00	12.12	24.47
6115	4.93	2.76	0.00	0.22	0.00	0.00	6.32	14.23	6.57	2.84	0.00	0.22	0.00	0.00	9.48	19.11
6120	3.59	2.00	0.00	0.11	0.00	0.00	4.59	10.29	4.78	2.06	0.00	0.11	0.00	0.00	6.89	13.84
6125	2.19	1.22	0.00	0.10	0.00	0.00	2.80	6.31	2.92	1.26	0.00	0.10	0.00	0.00	4.20	8.48
6135	3.21	2.32	3.49	0.84	0.28	0.04	4.39	14.57								
6140	3.61	2.60	3.49	0.84	0.28	0.04	4.94	15.80								
6145	4.11	2.98	3.49	0.84	0.36	0.05	5.63	17.46								
6150	6.56	4.79	5.13	1.23	0.74	0.11	9.00	27.56								
6160	2.76	2.01	3.12	0.75	0.28	0.04	3.79	12.75								
6165	2.99	2.18	3.12	0.75	0.28	0.04	4.10	13.46								
6170	3.09	2.24	3.20	0.77	0.28	0.04	4.23	13.85								
6175	2.94	2.15	7.56	1.81	0.36	0.05	4.03	18.90								
6180	3.27	2.38	3.12	0.75	0.36	0.05	4.48	14.41								
6185	3.04	2.24	7.56	1.81	0.41	0.06	4.17	19.29								
6190	3.37	2.48	3.12	0.75	0.41	0.06	4.63	14.82								
6195	7.41	5.43	4.80	1.15	0.87	0.13	10.18	29.97								
6205	2.99	2.18	2.79	0.67	0.28	0.04	4.11	13.06								
6210	3.78	2.72	2.79	0.67	0.25	0.04	5.17	15.42								
6215	7.70	5.60	5.34	1.28	0.77	0.12	10.56	31.37								
6220	8.78	6.74	5.34	1.28	2.18	0.33	12.18	36.83								
6230	4.02	3.82	0.00	0.21	2.07	0.31	5.88	16.31								
6235	5.59	4.47	0.00	0.23	1.61	0.24	7.84	19.98								
6245	5.18	4.58	0.00	0.38	1.97	0.30	7.45	19.86								
6250	5.57	5.16	0.00	0.44	2.61	0.39	8.10	22.27								
6255	8.02	6.88	0.00	0.66	2.61	0.39	11.43	29.99								
6265	0.66	0.58	0.00	0.05	0.33	0.05	0.95	2.62								
6275	1.20	0.84	0.00	0.14	0.00	0.00	1.63	3.81								
6280	1.54	1.08	0.00	0.14	0.00	0.00	2.10	4.86								
6285	1.62	1.13	0.00	0.14	0.00	0.00	2.20	5.09								
6290	2.42	1.69	0.00	0.14	0.00	0.00	3.29	7.54								
6295	3.68	2.57	0.00	0.14	0.00	0.00	5.00	11.39								
6300	5.28	3.69	0.00	0.14	0.00	0.00	7.17	16.28								
6305	3.61	2.53	0.00	0.15	0.00	0.00	4.91	11.20								
6310	4.18	2.93	0.00	0.14	0.00	0.00	5.69	12.94								
6315	6.21	4.34	0.00	0.14	0.00	0.00	8.44	19.13								
6325	0.54	0.38	0.00	0.15	0.00	0.00	0.73	1.80								
6330	1.08	0.76	0.00	0.15	0.00	0.00	1.47	3.46								
6340	12.94	9.05	8.62	2.07	0.00	0.00	17.59	50.27								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR
6345	19.20	13.43	12.72	3.05	0.00	0.00	26.11	74.51							
6350	20.31	14.21	12.72	3.05	0.00	0.00	27.62	77.91							
6360	20.79	14.54	13.54	3.25	0.00	0.00	28.26	80.38							
6370	2.26	1.58	2.13	0.51	0.00	0.00	3.07	9.55							
6375	2.70	1.89	2.13	0.51	0.00	0.00	3.67	10.90							
6380	4.10	2.87	3.49	0.84	0.00	0.00	5.58	16.88							
6385	4.35	3.05	3.49	0.84	0.00	0.00	5.92	17.65							
6390	4.54	3.17	3.49	0.84	0.00	0.00	6.17	18.21							
6395	4.80	3.36	3.49	0.84	0.00	0.00	6.53	19.02							
6405	4.58	3.20	7.56	1.81	0.00	0.00	6.22	23.37							
6410	4.89	3.42	3.49	0.84	0.00	0.00	6.64	19.28							
6415	4.89	3.42	7.56	1.81	0.00	0.00	6.64	24.32							
6420	5.20	3.64	3.49	0.84	0.00	0.00	7.07	20.24							
6425	2.22	1.55	3.81	0.92	0.00	0.00	3.02	11.52							
6430	3.06	2.14	7.56	1.81	0.00	0.00	4.16	18.73							
6435	3.37	2.36	3.49	0.84	0.00	0.00	4.58	14.64							
6440	3.73	2.61	7.56	1.81	0.00	0.00	5.07	20.78							
6445	4.04	2.83	3.49	0.84	0.00	0.00	5.49	16.69							
6450	4.06	2.84	7.56	1.81	0.00	0.00	5.52	21.79							
6455	4.37	3.06	3.49	0.84	0.00	0.00	5.94	17.70							
6465	1.37	0.78	1.75	0.56	0.00	0.00	2.32	6.78							
6470	1.66	0.94	1.75	0.56	0.00	0.00	2.82	7.73							
6475	4.10	2.33	2.46	0.79	0.00	0.00	6.97	16.65							
6480	4.00	2.28	2.46	0.79	0.00	0.00	6.80	16.33							
6485	5.67	3.23	5.44	1.74	0.00	0.00	9.64	25.72							
6490	5.97	3.40	5.44	1.74	0.00	0.00	10.14	26.69							
6500	3.87	2.21	2.80	0.90	0.00	0.00	6.58	16.36							
6505	4.23	2.41	2.80	0.90	0.00	0.00	7.19	17.53							
6510	6.89	3.92	4.41	1.41	0.00	0.00	11.71	28.34							
6515	7.46	4.25	4.41	1.41	0.00	0.00	12.68	30.21							
6525	3.32	1.89	2.23	0.71	0.00	0.00	5.64	13.79							
6530	3.93	2.24	2.23	0.71	0.00	0.00	6.68	15.79							
6540	1.98	1.13	1.72	0.55	0.00	0.00	3.37	8.75							
6545	1.81	1.03	1.72	0.55	0.00	0.00	3.07	8.18							
6555	8.35	4.76	4.29	1.37	0.00	0.00	14.19	32.96							
6560	6.38	3.63	2.86	0.92	0.00	0.00	10.84	24.63							
6575	6.25	3.60	4.18	1.34	0.17	0.03	10.66	26.23							
6580	6.96	4.13	4.87	1.56	0.68	0.10	11.94	30.24							
6585	8.04	4.62	4.87	1.56	0.15	0.02	13.70	32.96							
6590	9.22	5.40	7.15	2.29	0.60	0.09	15.77	40.52							
6595	8.51	4.98	7.15	2.29	0.52	0.08	14.55	38.08							
6600	9.05	5.28	7.15	2.29	0.52	0.08	15.46	39.83							
6605	10.25	5.97	7.15	2.29	0.52	0.08	17.50	43.76							
6610	9.45	5.51	7.15	2.29	0.52	0.08	16.14	41.14							
6615	10.23	5.96	7.15	2.29	0.52	0.08	17.47	43.70							
6625	9.01	5.13	7.15	2.29	0.00	0.00	15.31	38.89							
6630	7.21	4.24	4.87	1.56	0.52	0.08	12.34	30.82							
6635	7.65	4.49	6.87	2.20	0.52	0.08	13.08	34.89							
6640	8.77	5.12	6.87	2.20	0.52	0.08	14.98	38.54							
6650	9.28	5.42	6.58	2.11	0.52	0.08	15.85	39.84							
6655	13.51	7.90	11.62	3.72	0.82	0.12	23.09	60.78							
6665	5.93	3.40	4.01	1.28	0.09	0.01	10.10	24.82							
6670	5.98	3.45	4.01	1.28	0.18	0.03	10.20	25.13							
6675	7.94	4.56	4.58	1.47	0.15	0.02	13.51	32.23							
6680	6.69	3.85	4.58	1.47	0.18	0.03	11.40	28.20							

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS						
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE
6685	6.30	3.76	4.01	1.28	0.68	0.10	10.81	26.94						
6690	8.85	5.15	5.04	1.61	0.44	0.07	15.12	36.28						
6695	9.85	5.73	6.81	2.18	0.46	0.07	16.82	41.92						
6700	8.31	4.87	7.15	2.29	0.52	0.08	14.21	37.43						
6705	11.48	6.69	6.81	2.18	0.60	0.09	19.61	47.46						
6710	9.96	5.82	6.81	2.18	0.60	0.09	17.02	42.48						
6715	8.99	5.31	7.15	2.29	0.77	0.12	15.40	40.03						
6725	6.15	3.67	3.89	1.25	0.68	0.10	10.56	26.30						
6730	5.59	3.22	3.89	1.25	0.17	0.03	9.52	23.67						
6735	6.77	3.90	4.58	1.47	0.17	0.03	11.53	28.45						
6740	7.25	4.30	4.29	1.37	0.68	0.10	12.44	30.43						
6745	7.43	4.27	4.58	1.47	0.17	0.03	12.66	30.61						
6750	9.68	5.64	6.30	2.01	0.52	0.08	16.53	40.76						
6755	8.07	4.73	6.12	1.96	0.52	0.08	13.80	35.28						
6760	8.72	5.10	6.12	1.96	0.52	0.08	14.90	37.40						
6765	11.09	6.45	6.30	2.01	0.52	0.08	18.93	45.38						
6775	1.17	0.67	0.92	0.29	0.00	0.00	1.99	5.04						
6780	3.05	1.73	1.95	0.62	0.00	0.00	5.18	12.53						
6785	7.23	4.12	4.06	1.30	0.00	0.00	12.29	29.00						
6790	9.75	5.55	7.15	2.29	0.00	0.00	16.58	41.32						
6795	11.69	6.66	8.87	2.84	0.00	0.00	19.87	49.93						
6800	14.07	8.01	10.36	3.32	0.00	0.00	23.91	59.67						
6805	16.05	9.14	10.36	3.32	0.00	0.00	27.27	66.14						
6815	1.17	0.67	0.92	0.29	0.00	0.00	1.99	5.04						
6820	2.59	1.47	2.00	0.64	0.00	0.00	4.39	11.09						
6825	6.98	3.98	4.01	1.28	0.00	0.00	11.87	28.12						
6830	9.38	5.34	6.58	2.11	0.00	0.00	15.95	39.36						
6835	11.78	6.71	6.81	2.18	0.00	0.00	20.02	47.50						
6845	1.15	0.65	1.36	0.44	0.00	0.00	1.95	5.55						
6850	5.90	3.36	2.98	0.95	0.00	0.00	10.02	23.21						
6855	9.33	5.31	4.58	1.47	0.00	0.00	15.86	36.55						
6860	11.49	6.54	8.93	2.86	0.00	0.00	19.53	49.35						
6865	20.00	11.39	15.00	4.80	0.00	0.00	33.99	85.18						
6875	10.09	7.52	6.32	2.53	2.99	0.45	12.67	42.57	12.61	7.66	8.26	3.30	4.97	0.75 16.90 54.45
6880	16.78	11.53	10.53	3.37	6.23	0.93	17.12	66.49	20.97	11.75	13.77	4.41	10.34	1.55 23.05 85.84
6885	20.68	14.24	12.47	3.99	7.85	1.18	19.49	79.90	25.86	14.52	16.39	5.25	13.05	1.96 26.39 103.42
6890	23.16	15.79	13.90	4.45	7.85	1.18	23.61	89.94	28.95	16.10	18.18	5.82	13.05	1.96 31.78 115.84
6895	24.61	16.58	17.98	4.68	9.47	1.42	25.03	99.77	30.76	16.90	23.33	6.07	16.45	2.47 33.69 129.67
6900	26.23	17.60	17.98	4.68	9.47	1.42	26.67	104.05	32.79	17.94	23.33	6.07	16.45	2.47 35.90 134.95
6905	31.93	21.74	17.01	5.44	10.62	1.59	30.04	118.37	39.92	22.16	22.36	7.15	17.64	2.65 40.67 152.55
6910	36.74	24.75	18.95	6.07	10.62	1.59	37.37	136.09	45.92	25.23	24.79	7.93	17.64	2.65 50.30 174.46
6915	39.75	26.64	27.97	7.27	14.09	2.11	40.40	158.23	49.69	27.16	36.29	9.43	24.47	3.67 54.38 205.09
6920	41.57	27.78	27.97	7.27	14.09	2.11	42.23	163.02	51.97	28.32	36.29	9.43	24.47	3.67 56.85 211.00
6925	45.32	30.61	27.97	7.27	18.00	2.70	46.12	177.99	56.66	31.20	36.29	9.43	31.26	4.69 62.09 231.62
6930	40.85	27.94	20.79	6.65	14.41	2.16	38.45	151.25	51.06	28.48	27.32	8.74	23.93	3.59 52.07 195.19
6935	51.19	34.43	37.96	9.87	19.11	2.87	52.05	207.48	63.99	35.09	49.25	12.80	33.19	4.98 70.07 269.37
6950	14.73	9.98	9.65	3.09	4.60	0.69	14.99	57.73	18.41	10.17	12.61	4.04	7.65	1.15 20.18 74.21
6955	19.72	13.44	12.28	3.93	6.63	0.99	18.55	75.54	24.66	13.70	16.15	5.17	11.01	1.65 25.13 97.47
6960	21.50	15.08	13.69	4.38	9.84	1.48	22.02	87.99	26.88	15.37	17.90	5.73	16.35	2.45 29.64 114.32
6965	23.54	15.91	19.82	5.15	9.47	1.42	23.95	99.26	29.42	16.22	25.71	6.69	16.45	2.47 32.24 129.20
6970	28.50	18.95	19.82	5.15	8.87	1.33	28.93	111.55	35.63	19.32	25.71	6.69	15.40	2.31 38.94 144.00
6980	10.09	7.46	5.26	2.11	2.60	0.39	12.65	40.56	12.61	7.59	6.88	2.75	4.32	0.65 16.87 51.67
6985	20.64	14.10	12.32	3.94	7.14	1.07	19.42	78.63	25.80	14.37	16.20	5.18	11.86	1.78 26.30 101.49
6990	24.52	16.53	20.42	5.31	9.47	1.42	24.94	102.61	30.65	16.85	26.49	6.89	16.45	2.47 33.58 133.38
6995	22.29	15.76	13.73	4.39	7.14	1.07	23.70	89.08	29.11	16.06	17.96	5.75	11.86	1.78 31.91 114.43

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	POG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	POG	TIRE WEAR	TIRE RPR	REPR	
7005	10.72	7.89	7.37	2.95	2.60	0.39	13.43	45.35	13.40	8.03	9.64	3.86	4.32	0.65	17.91	57.81
7010	15.09	10.21	10.53	3.37	4.60	0.69	15.36	59.85	18.86	10.40	13.77	4.41	7.65	1.15	20.67	76.91
7020	21.78	14.81	13.06	4.18	7.14	1.07	22.19	84.23	27.23	15.10	17.07	5.46	11.86	1.78	29.87	108.37
7025	34.27	23.46	17.95	5.75	12.24	1.84	32.26	127.77	42.83	23.92	23.60	7.55	20.33	3.05	43.68	164.96
7030	22.47	15.10	11.51	2.99	8.26	1.24	22.85	84.42	28.09	15.39	14.93	3.88	14.35	2.15	30.76	109.55
7035	38.01	25.50	24.74	6.43	13.69	2.05	38.64	149.06	47.52	26.00	32.09	8.34	23.78	3.57	52.01	193.31
7040	44.69	30.00	28.65	7.45	16.23	2.43	45.42	174.87	55.86	30.58	37.17	9.66	28.19	4.23	61.15	226.84
7055	5.41	4.43	0.00	0.14	1.63	0.25	5.95	17.81	6.49	4.49	0.00	0.14	2.13	0.32	7.65	21.22
7060	6.76	5.77	0.00	0.14	2.94	0.44	7.49	23.54	8.11	5.84	0.00	0.14	3.83	0.58	9.63	28.13
7070	2.70	2.28	0.00	0.09	1.06	0.16	2.99	9.28	3.24	2.31	0.00	0.09	1.39	0.21	3.84	11.08
7080	8.08	5.72	6.40	1.79	0.85	0.13	10.03	33.00	10.09	5.82	8.37	2.34	1.45	0.22	14.21	42.50
7085	12.37	8.83	12.80	3.59	1.73	0.26	15.40	54.98	15.47	8.99	16.74	4.69	2.96	0.44	21.81	71.10
7095	11.44	8.01	13.39	3.75	0.48	0.07	14.18	51.32	14.29	8.15	17.52	4.90	0.78	0.12	20.08	65.84
7105	3.31	2.51	2.88	1.04	0.00	0.00	6.24	15.98	4.14	2.55	3.79	1.36	0.00	0.00	8.50	20.34
7110	0.71	0.49	0.00	0.09	0.00	0.00	0.91	2.20	0.89	0.50	0.00	0.09	0.00	0.00	1.28	2.76
7115	4.62	3.51	3.54	1.28	0.00	0.00	8.70	21.65	5.78	3.57	4.67	1.68	0.00	0.00	11.87	27.57
7120	0.93	0.64	0.00	0.09	0.00	0.00	1.20	2.86	1.17	0.65	0.00	0.09	0.00	0.00	1.68	3.59
7125	0.72	0.49	0.00	0.09	0.00	0.00	0.92	2.22	0.90	0.50	0.00	0.09	0.00	0.00	1.29	2.78
7130	6.75	5.13	4.65	1.67	0.00	0.00	12.71	30.91	8.44	5.21	6.12	2.20	0.00	0.00	17.33	39.30
7135	1.18	0.81	0.00	0.09	0.00	0.00	1.51	3.59	1.47	0.82	0.00	0.09	0.00	0.00	2.13	4.51
7140	0.93	0.64	0.00	0.09	0.00	0.00	1.20	2.86	1.17	0.65	0.00	0.09	0.00	0.00	1.68	3.59
7145	9.04	6.86	6.20	2.23	0.00	0.00	17.02	41.35	11.30	6.97	8.16	2.94	0.00	0.00	23.21	52.58
7150	1.21	0.83	0.00	0.09	0.00	0.00	1.55	3.68	1.52	0.85	0.00	0.09	0.00	0.00	2.19	4.65
7155	1.36	0.93	0.00	0.09	0.00	0.00	1.74	4.12	1.70	0.95	0.00	0.09	0.00	0.00	2.45	5.19
7160	12.96	9.83	8.86	3.19	0.00	0.00	24.39	59.23	16.20	9.99	11.66	4.20	0.00	0.00	33.25	75.30
7165	1.88	1.29	0.00	0.09	0.00	0.00	2.41	5.67	2.35	1.31	0.00	0.09	0.00	0.00	3.39	7.14
7170	2.06	1.41	0.00	0.09	0.00	0.00	2.64	6.20	2.58	1.44	0.00	0.09	0.00	0.00	3.71	7.82
7175	1.64	1.13	0.00	0.09	0.00	0.00	2.11	4.97	2.05	1.15	0.00	0.09	0.00	0.00	2.96	6.25
7180	22.85	14.22	14.83	4.15	0.00	0.00	30.94	86.99	28.56	14.50	19.54	5.47	0.00	0.00	42.98	111.05
7185	2.76	1.90	0.00	0.13	0.00	0.00	3.54	8.33	3.45	1.93	0.00	0.13	0.00	0.00	4.98	10.49
7190	3.05	2.09	0.00	0.14	0.00	0.00	3.90	9.18	3.81	2.13	0.00	0.14	0.00	0.00	5.49	11.57
7195	2.80	1.92	0.00	0.14	0.00	0.00	3.58	8.44	3.50	1.95	0.00	0.14	0.00	0.00	5.04	10.63
7200	0.09	0.06	0.00	0.05	0.00	0.00	0.11	0.31	0.11	0.06	0.00	0.05	0.00	0.00	0.15	0.37
7205	25.41	18.74	20.37	4.89	0.00	0.00	34.42	103.83	30.50	18.99	26.83	6.44	0.00	0.00	45.90	128.66
7210	3.86	2.65	0.00	0.20	0.00	0.00	4.94	11.65	4.82	2.69	0.00	0.20	0.00	0.00	6.95	14.66
7215	4.08	2.80	0.00	0.21	0.00	0.00	5.22	12.31	5.10	2.85	0.00	0.21	0.00	0.00	7.35	15.51
7220	3.39	2.33	0.00	0.18	0.00	0.00	4.35	10.25	4.24	2.37	0.00	0.18	0.00	0.00	6.11	12.90
7225	0.99	0.68	0.00	0.13	0.00	0.00	1.27	3.07	1.24	0.69	0.00	0.13	0.00	0.00	1.78	3.84
7230	0.12	0.08	0.00	0.09	0.00	0.00	0.15	0.44	0.15	0.08	0.00	0.09	0.00	0.00	0.21	0.53
7235	42.51	31.34	31.00	7.44	0.00	0.00	57.57	169.86	51.01	31.76	40.82	9.80	0.00	0.00	76.76	210.15
7240	5.80	3.98	0.00	0.31	0.00	0.00	7.43	17.52	7.25	4.05	0.00	0.31	0.00	0.00	10.45	22.06
7245	6.33	4.35	0.00	0.32	0.00	0.00	8.11	19.11	7.92	4.42	0.00	0.32	0.00	0.00	11.41	24.07
7250	0.13	0.09	0.00	0.09	0.00	0.00	0.17	0.48	0.16	0.09	0.00	0.09	0.00	0.00	0.23	0.57
7255	4.32	2.97	0.00	0.22	0.00	0.00	5.54	13.05	5.40	3.02	0.00	0.22	0.00	0.00	7.79	16.43
7265	3.75	2.84	2.79	1.00	0.00	0.00	7.05	17.43	4.68	2.89	3.67	1.32	0.00	0.00	9.62	22.18
7270	4.44	3.37	3.45	1.24	0.00	0.00	8.35	20.85	5.55	3.42	4.55	1.64	0.00	0.00	11.39	26.55
7275	5.01	3.80	3.90	1.40	0.00	0.00	9.43	23.54	6.26	3.86	5.13	1.85	0.00	0.00	12.86	29.96
7280	0.82	0.57	0.00	0.09	0.00	0.00	1.06	2.54	1.03	0.58	0.00	0.09	0.00	0.00	1.48	3.18
7285	0.82	0.56	0.00	0.05	0.00	0.00	1.05	2.48	1.03	0.57	0.00	0.05	0.00	0.00	1.48	3.13
7290	6.86	5.21	5.40	1.94	0.00	0.00	12.91	32.32	8.58	5.29	7.12	2.56	0.00	0.00	17.61	41.16
7295	0.92	0.63	0.00	0.09	0.00	0.00	1.18	2.82	1.15	0.64	0.00	0.09	0.00	0.00	1.66	3.54
7300	1.12	0.77	0.00	0.05	0.00	0.00	1.43	3.37	1.40	0.78	0.00	0.05	0.00	0.00	2.01	4.24
7305	8.73	6.62	6.64	2.39	0.00	0.00	16.42	40.80	10.91	6.73	8.75	3.15	0.00	0.00	22.39	51.93
7310	1.40	0.96	0.00	0.09	0.00	0.00	1.80	4.25	1.76	0.98	0.00	0.09	0.00	0.00	2.53	5.36
7315	1.40	0.96	0.00	0.05	0.00	0.00	1.80	4.21	1.75	0.98	0.00	0.05	0.00	0.00	2.53	5.31

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
7320	13.01	9.88	9.87	3.55	0.00	0.00	24.49	60.80	16.27	10.03	13.01	4.68	0.00	0.00	33.40	77.39
7325	1.52	1.04	0.00	0.09	0.00	0.00	1.95	4.60	1.90	1.06	0.00	0.09	0.00	0.00	2.74	5.79
7330	1.59	1.09	0.00	0.09	0.00	0.00	2.04	4.81	1.99	1.11	0.00	0.09	0.00	0.00	2.86	6.05
7335	2.14	1.47	0.00	0.05	0.00	0.00	2.74	6.40	2.67	1.49	0.00	0.05	0.00	0.00	3.85	8.06
7340	22.66	14.11	13.28	3.72	0.00	0.00	30.69	84.46	28.33	14.38	17.50	4.90	0.00	0.00	42.63	107.74
7345	3.01	2.07	0.00	0.13	0.00	0.00	3.86	9.07	3.76	2.10	0.00	0.13	0.00	0.00	5.42	11.41
7350	3.02	2.07	0.00	0.11	0.00	0.00	3.87	9.07	3.78	2.11	0.00	0.11	0.00	0.00	5.45	11.45
7355	27.19	20.05	20.15	4.84	0.00	0.00	36.83	109.06	32.63	20.31	26.54	6.37	0.00	0.00	49.11	134.96
7360	4.62	3.17	0.00	0.24	0.00	0.00	5.91	13.94	5.77	3.22	0.00	0.24	0.00	0.00	8.31	17.54
7365	4.73	3.24	0.00	0.27	0.00	0.00	6.06	14.30	5.91	3.30	0.00	0.27	0.00	0.00	8.52	18.00
7370	2.90	1.99	0.00	0.13	0.00	0.00	3.72	8.74	3.63	2.03	0.00	0.13	0.00	0.00	5.23	11.02
7375	36.40	26.84	23.25	5.58	0.00	0.00	49.29	141.36	43.67	27.19	30.62	7.35	0.00	0.00	65.73	174.56
7380	5.25	3.60	0.00	0.29	0.00	0.00	6.73	15.87	6.56	3.67	0.00	0.29	0.00	0.00	9.46	19.98
7385	6.00	4.12	0.00	0.27	0.00	0.00	7.69	18.08	7.50	4.19	0.00	0.27	0.00	0.00	10.81	22.77
7390	3.35	2.30	0.00	0.13	0.00	0.00	4.29	10.07	4.18	2.34	0.00	0.13	0.00	0.00	6.03	12.68
7400	4.11	3.12	2.88	1.04	0.00	0.00	7.74	18.89	5.14	3.17	3.79	1.36	0.00	0.00	10.55	24.01
7405	5.15	3.91	3.45	1.24	0.00	0.00	9.69	23.44	6.44	3.97	4.55	1.64	0.00	0.00	13.22	29.82
7410	7.50	5.70	4.87	1.75	0.00	0.00	14.12	33.94	9.38	5.79	6.42	2.31	0.00	0.00	19.26	43.16
7415	9.64	7.31	6.20	2.23	0.00	0.00	18.14	43.52	12.05	7.43	8.16	2.94	0.00	0.00	24.74	55.32
7420	1.15	0.79	0.00	0.05	0.00	0.00	1.48	3.47	1.44	0.81	0.00	0.05	0.00	0.00	2.08	4.38
7425	1.30	0.89	0.00	0.05	0.00	0.00	1.66	3.90	1.62	0.91	0.00	0.05	0.00	0.00	2.34	4.92
7430	14.58	11.06	9.30	3.35	0.00	0.00	27.44	65.73	18.22	11.24	12.25	4.41	0.00	0.00	37.41	83.53
7435	2.00	1.37	0.00	0.05	0.00	0.00	2.56	5.98	2.50	1.40	0.00	0.05	0.00	0.00	3.61	7.56
7440	1.41	0.97	0.00	0.05	0.00	0.00	1.81	4.24	1.77	0.99	0.00	0.05	0.00	0.00	2.55	5.36
7445	21.36	13.30	13.73	3.84	0.00	0.00	28.92	81.15	26.69	13.55	18.08	5.06	0.00	0.00	40.17	103.55
7450	2.54	1.75	0.00	0.11	0.00	0.00	3.26	7.66	3.18	1.78	0.00	0.11	0.00	0.00	4.58	9.65
7455	2.14	1.47	0.00	0.13	0.00	0.00	2.75	6.49	2.68	1.50	0.00	0.13	0.00	0.00	3.86	8.17
7460	0.86	0.59	0.00	0.09	0.00	0.00	1.10	2.64	1.08	0.60	0.00	0.09	0.00	0.00	1.55	3.32
7465	0.51	0.35	0.00	0.14	0.00	0.00	0.66	1.66	0.64	0.36	0.00	0.14	0.00	0.00	0.92	2.06
7470	0.10	0.07	0.00	0.09	0.00	0.00	0.12	0.38	0.12	0.07	0.00	0.09	0.00	0.00	0.18	0.46
7480	2.87	2.18	1.86	0.67	0.00	0.00	5.40	12.98	3.59	2.21	2.45	0.88	0.00	0.00	7.36	16.49
7485	4.04	3.07	2.88	1.04	0.00	0.00	7.61	18.64	5.05	3.12	3.79	1.36	0.00	0.00	10.37	23.69
7490	4.81	3.65	3.19	1.15	0.00	0.00	9.06	21.86	6.02	3.71	4.20	1.51	0.00	0.00	12.35	27.79
7495	8.81	6.68	4.87	1.75	0.00	0.00	16.58	38.69	11.01	6.79	6.42	2.31	0.00	0.00	22.60	49.13
7500	11.47	8.71	6.42	2.31	0.00	0.00	21.60	50.51	14.34	8.85	8.46	3.04	0.00	0.00	29.45	64.14
7510	3.41	2.59	2.92	1.05	0.00	0.00	6.41	16.38	4.26	2.63	3.85	1.39	0.00	0.00	8.75	20.88
7515	0.59	0.40	0.00	0.05	0.00	0.00	0.75	1.79	0.73	0.41	0.00	0.05	0.00	0.00	1.06	2.25
7520	5.12	3.88	3.99	1.43	0.00	0.00	9.63	24.05	6.40	3.95	5.25	1.89	0.00	0.00	13.13	30.62
7525	0.44	0.30	0.00	0.05	0.00	0.00	0.56	1.35	0.55	0.31	0.00	0.05	0.00	0.00	0.79	1.70
7530	7.35	5.58	5.23	1.88	0.00	0.00	13.83	33.87	9.18	5.66	6.88	2.48	0.00	0.00	18.86	43.06
7535	0.74	0.51	0.00	0.05	0.00	0.00	0.94	2.24	0.92	0.51	0.00	0.05	0.00	0.00	1.33	2.81
7540	10.26	7.79	6.86	2.47	0.00	0.00	19.31	46.69	12.83	7.91	9.04	3.25	0.00	0.00	26.33	59.36
7545	0.97	0.67	0.00	0.05	0.00	0.00	1.25	2.94	1.22	0.68	0.00	0.05	0.00	0.00	1.76	3.71
7550	12.89	9.78	9.74	3.51	0.00	0.00	24.26	60.18	16.11	9.94	12.83	4.62	0.00	0.00	33.08	76.58
7555	1.53	1.05	0.00	0.09	0.00	0.00	1.96	4.63	1.92	1.07	0.00	0.09	0.00	0.00	2.76	5.84
7560	1.63	1.12	0.00	0.11	0.00	0.00	2.09	4.95	2.04	1.14	0.00	0.11	0.00	0.00	2.94	6.23
7565	20.70	12.89	14.17	3.97	0.00	0.00	28.04	79.77	25.88	13.14	18.66	5.23	0.00	0.00	38.95	101.86
7570	2.11	1.45	0.00	0.15	0.00	0.00	2.71	6.42	2.64	1.48	0.00	0.15	0.00	0.00	3.81	8.08
7575	2.22	1.52	0.00	0.15	0.00	0.00	2.84	6.73	2.77	1.55	0.00	0.15	0.00	0.00	4.00	8.47
7580	27.78	17.30	18.15	5.08	0.00	0.00	37.63	105.94	34.73	17.63	23.91	6.70	0.00	0.00	52.26	135.23
7585	2.88	1.98	0.00	0.22	0.00	0.00	3.69	8.77	3.60	2.01	0.00	0.22	0.00	0.00	5.19	11.02
7590	2.64	1.81	0.00	0.20	0.00	0.00	3.38	8.03	3.30	1.84	0.00	0.20	0.00	0.00	4.75	10.09
7595	40.84	30.12	27.45	6.59	0.00	0.00	55.32	160.32	49.01	30.51	36.16	8.68	0.00	0.00	73.76	198.12
7600	6.43	4.42	0.00	0.26	0.00	0.00	8.24	19.35	8.04	4.49	0.00	0.26	0.00	0.00	11.59	24.38
7605	6.04	4.14	0.00	0.23	0.00	0.00	7.73	18.14	7.55	4.22	0.00	0.23	0.00	0.00	10.88	22.88

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		
7610	5.64	3.87	0.00	0.21	0.00	0.00	7.23	16.95	7.05	3.94	0.00	0.21	0.00	0.00	10.16	21.36
7620	13.10	9.94	9.08	3.27	0.00	0.00	24.66	60.05	16.38	10.10	11.96	4.30	0.00	0.00	33.63	76.37
7625	1.44	0.98	0.00	0.05	0.00	0.00	1.84	4.31	1.79	1.00	0.00	0.05	0.00	0.00	2.59	5.43
7630	1.62	1.11	0.00	0.05	0.00	0.00	2.07	4.85	2.02	1.13	0.00	0.05	0.00	0.00	2.91	6.11
7635	1.65	1.13	0.00	0.05	0.00	0.00	2.11	4.94	2.06	1.15	0.00	0.05	0.00	0.00	2.97	6.23
7640	17.21	10.71	11.51	3.22	0.00	0.00	23.31	65.96	21.51	10.92	15.16	4.25	0.00	0.00	32.37	84.21
7645	2.05	1.41	0.00	0.05	0.00	0.00	2.62	6.13	2.56	1.43	0.00	0.05	0.00	0.00	3.69	7.73
7650	2.68	1.84	0.00	0.05	0.00	0.00	3.44	8.01	3.35	1.87	0.00	0.05	0.00	0.00	4.83	10.10
7655	2.25	1.54	0.00	0.05	0.00	0.00	2.88	6.72	2.81	1.57	0.00	0.05	0.00	0.00	4.05	8.48
7660	23.00	14.32	15.50	4.34	0.00	0.00	31.16	88.32	28.75	14.60	20.41	5.72	0.00	0.00	43.27	112.75
7665	2.67	1.83	0.00	0.13	0.00	0.00	3.42	8.05	3.34	1.87	0.00	0.13	0.00	0.00	4.82	10.16
7670	2.93	2.01	0.00	0.14	0.00	0.00	3.75	8.83	3.66	2.05	0.00	0.14	0.00	0.00	5.28	11.13
7675	2.56	1.76	0.00	0.12	0.00	0.00	3.28	7.72	3.20	1.79	0.00	0.12	0.00	0.00	4.61	9.72
7680	0.11	0.08	0.00	0.05	0.00	0.00	0.14	0.38	0.14	0.08	0.00	0.05	0.00	0.00	0.20	0.47
7685	0.67	0.46	0.00	0.12	0.00	0.00	0.85	2.10	0.83	0.47	0.00	0.12	0.00	0.00	1.20	2.62
7695	12.95	9.47	8.62	2.41	2.65	0.40	13.02	49.52	16.18	9.63	11.34	3.18	5.56	0.83	17.64	64.36
7700	18.34	13.85	12.31	3.45	6.18	0.93	18.58	73.64	22.93	14.09	16.20	4.54	12.94	1.94	25.17	97.81
7705	25.70	19.84	18.47	5.17	7.90	1.18	26.17	104.43	32.13	20.18	24.30	6.80	16.54	2.48	35.44	137.87
7715	20.12	15.13	12.39	3.47	6.47	0.97	20.37	78.92	25.15	15.40	16.31	4.57	13.55	2.03	27.58	104.59
7720	32.94	25.57	23.47	6.57	10.71	1.61	33.59	134.46	41.18	26.02	30.89	8.65	22.44	3.37	45.48	178.03
7730	1.14	0.84	1.76	0.49	0.24	0.04	1.15	5.66	1.43	0.86	2.32	0.65	0.50	0.08	1.56	7.40
7735	1.30	0.95	2.05	0.57	0.24	0.04	1.30	6.45	1.62	0.96	2.70	0.76	0.50	0.08	1.77	8.39
7740	1.45	1.07	2.54	0.71	0.29	0.04	1.46	7.56	1.81	1.09	3.35	0.94	0.60	0.09	1.98	9.86
7750	0.27	0.20	0.64	0.18	0.04	0.01	0.40	1.74	0.34	0.20	0.83	0.23	0.05	0.01	0.56	2.22
7755	1.15	0.81	1.27	0.36	0.07	0.01	1.70	5.37	1.43	0.83	1.66	0.46	0.09	0.01	2.36	6.84
7760	1.59	1.12	1.98	0.55	0.07	0.01	2.35	7.67	1.99	1.14	2.58	0.72	0.10	0.01	3.26	9.80
7765	2.96	2.10	2.63	0.74	0.21	0.03	4.38	13.05	3.70	2.14	3.46	0.97	0.29	0.04	6.08	16.68
7770	6.00	4.25	4.31	1.21	0.36	0.05	8.87	25.05	7.50	4.32	5.67	1.59	0.51	0.08	12.32	31.99
7785	1.95	1.36	0.98	0.28	0.07	0.01	2.87	7.52	2.43	1.39	1.30	0.36	0.10	0.01	3.99	9.58
7790	3.82	2.69	1.81	0.51	0.21	0.03	5.64	14.71	4.77	2.74	2.38	0.67	0.29	0.04	7.83	18.72
7795	4.22	2.97	2.26	0.63	0.21	0.03	6.24	16.56	5.28	3.03	2.97	0.83	0.29	0.04	8.66	21.10
7800	6.93	4.79	4.64	1.30	0.00	0.00	10.20	27.86	8.67	4.87	6.10	1.71	0.00	0.00	14.17	35.52
7805	13.40	9.26	7.18	2.01	0.00	0.00	19.71	51.56	16.75	9.42	9.45	2.65	0.00	0.00	27.38	65.65
7815	11.08	7.65	4.10	1.15	0.00	0.00	16.30	40.28	13.85	7.79	5.40	1.51	0.00	0.00	22.64	51.19
7820	16.06	11.09	6.57	1.84	0.00	0.00	23.63	59.19	20.07	11.29	8.64	2.42	0.00	0.00	32.82	75.24
7825	20.27	14.01	6.57	1.84	0.00	0.00	29.83	72.52	25.34	14.25	8.64	2.42	0.00	0.00	41.43	92.08
7835	8.89	6.14	2.75	0.77	0.00	0.00	13.08	31.63	11.12	6.25	3.62	1.01	0.00	0.00	18.17	40.17
7840	9.69	6.69	2.75	0.77	0.00	0.00	14.26	34.16	12.11	6.81	3.62	1.01	0.00	0.00	19.80	43.35
7845	9.98	6.90	2.75	0.77	0.00	0.00	14.69	35.09	12.48	7.02	3.62	1.01	0.00	0.00	20.40	44.53
7850	18.49	12.77	6.16	1.72	0.00	0.00	27.20	66.34	23.11	13.00	8.10	2.27	0.00	0.00	37.78	84.26
7855	23.01	15.90	7.18	2.01	0.00	0.00	33.86	81.96	28.76	16.18	9.45	2.65	0.00	0.00	47.02	104.06
7870	1.02	0.52	2.52	0.71	0.13	0.02	1.32	6.24	1.23	0.53	3.36	0.94	0.17	0.02	1.81	8.06
7875	1.26	0.64	2.52	0.71	0.16	0.02	1.62	6.93	1.52	0.65	3.36	0.94	0.21	0.03	2.23	8.94
7880	1.07	0.55	2.52	0.71	0.21	0.03	1.38	6.47	1.28	0.56	3.36	0.94	0.26	0.04	1.89	8.33
7885	1.29	0.66	2.52	0.71	0.24	0.04	1.67	7.13	1.55	0.67	3.36	0.94	0.32	0.05	2.28	9.17
7890	1.18	0.62	2.52	0.71	0.33	0.05	1.54	6.95	1.42	0.64	3.36	0.94	0.41	0.06	2.11	8.94
7895	1.59	1.08	5.77	1.73	0.42	0.06	1.77	12.42	2.12	1.11	7.42	2.22	0.53	0.08	2.75	16.23
7900	2.19	1.47	3.92	1.02	0.42	0.06	2.43	11.51	2.92	1.50	5.10	1.33	0.53	0.08	3.78	15.24
7905	1.84	1.24	6.63	1.99	0.42	0.06	2.04	14.22	2.45	1.27	8.52	2.56	0.53	0.08	3.17	18.58
7910	2.49	1.66	3.92	1.02	0.42	0.06	2.75	12.32	3.32	1.70	5.10	1.33	0.53	0.08	4.29	16.35
7915	2.01	1.37	6.63	1.99	0.52	0.08	2.24	14.84	2.68	1.40	8.52	2.56	0.65	0.10	3.48	19.39
7920	2.48	1.73	3.92	1.02	0.89	0.13	2.78	12.95	3.31	1.78	5.10	1.33	1.14	0.17	4.33	17.16
7925	3.36	2.06	12.41	3.97	0.90	0.14	3.47	26.31	4.47	2.12	15.99	5.12	1.16	0.17	5.39	34.42
7930	4.59	2.79	6.35	1.78	1.08	0.16	4.73	21.48	6.12	2.87	8.26	2.31	1.40	0.21	7.36	28.53
7935	4.80	2.92	6.35	1.78	1.11	0.17	4.95	22.08	6.40	3.00	8.26	2.31	1.42	0.21	7.70	29.30

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7940	4.53	2.76	6.35	1.78	1.11	0.17	4.67	21.37	6.03	2.84	8.26	2.31	1.42	0.21	7.27	28.34
7945	5.31	3.21	6.35	1.78	1.11	0.17	5.47	23.40	7.08	3.30	8.26	2.31	1.42	0.21	8.51	31.09
7950	6.98	4.22	8.68	2.43	1.46	0.22	7.19	31.18	9.30	4.33	11.28	3.16	1.88	0.28	11.18	41.41
7955	7.39	4.47	8.68	2.43	1.57	0.24	7.61	32.39	9.85	4.60	11.28	3.16	2.02	0.30	11.84	43.05
7960	7.00	4.25	8.68	2.43	1.57	0.24	7.21	31.38	9.33	4.37	11.28	3.16	2.02	0.30	11.22	41.68
7965	6.89	4.14	10.38	2.91	1.32	0.20	7.09	32.93	9.19	4.26	13.50	3.78	1.70	0.26	11.03	43.72
7975	1.14	0.58	2.65	0.74	0.17	0.02	1.47	6.77	1.37	0.59	3.53	0.99	0.21	0.03	2.02	8.74
7980	1.45	0.73	2.57	0.72	0.17	0.02	1.87	7.53	1.74	0.75	3.42	0.96	0.21	0.03	2.56	9.67
7985	1.59	0.80	2.65	0.74	0.18	0.03	2.04	8.03	1.91	0.81	3.53	0.99	0.23	0.03	2.79	10.29
7990	1.48	0.75	2.65	0.74	0.18	0.03	1.90	7.73	1.77	0.76	3.53	0.99	0.22	0.03	2.60	9.90
7995	1.58	0.80	2.65	0.74	0.21	0.03	2.03	8.04	1.90	0.81	3.53	0.99	0.27	0.04	2.79	10.33
8000	1.45	0.75	2.57	0.72	0.33	0.05	1.88	7.75	1.74	0.77	3.42	0.96	0.41	0.06	2.57	9.93
8005	1.45	1.00	6.03	1.81	0.42	0.06	1.62	12.39	1.94	1.02	7.75	2.33	0.53	0.08	2.52	16.17
8010	1.59	1.08	6.03	1.81	0.42	0.06	1.77	12.76	2.11	1.11	7.75	2.33	0.53	0.08	2.75	16.66
8015	2.26	1.51	3.99	1.04	0.42	0.06	2.51	11.79	3.02	1.55	5.19	1.35	0.53	0.08	3.90	15.62
8020	1.69	1.17	6.70	2.01	0.52	0.08	1.89	14.06	2.25	1.20	8.62	2.59	0.65	0.10	2.93	18.34
8025	3.34	2.24	5.44	1.42	0.67	0.10	3.70	16.91	4.45	2.29	7.08	1.84	0.85	0.13	5.75	22.39
8030	3.17	2.00	11.52	3.69	1.17	0.18	3.29	25.02	4.22	2.06	14.84	4.75	1.51	0.23	5.12	32.73
8035	3.82	2.37	7.44	2.08	1.17	0.18	3.96	21.02	5.09	2.44	9.67	2.71	1.51	0.23	6.16	27.81
8040	4.42	2.66	8.53	2.39	0.84	0.13	4.55	23.52	5.90	2.74	11.09	3.11	1.07	0.16	7.08	31.15
8045	4.97	3.02	7.62	2.13	1.17	0.18	5.12	24.21	6.62	3.11	9.91	2.77	1.51	0.23	7.97	32.12
8050	4.59	3.06	5.57	1.45	0.83	0.12	5.08	20.70	6.12	3.14	7.24	1.88	1.05	0.16	7.89	27.48
8055	5.79	3.49	10.89	3.05	1.17	0.18	5.96	30.53	7.72	3.59	14.16	3.96	1.51	0.23	9.27	40.44
8060	5.90	3.60	11.14	3.12	1.40	0.21	6.09	31.46	7.87	3.70	14.49	4.06	1.79	0.27	9.48	41.66
8065	6.94	4.23	11.14	3.12	1.62	0.24	7.16	34.45	9.25	4.35	14.49	4.06	2.08	0.31	11.14	45.68
8075	1.70	1.13	3.75	0.98	0.30	0.05	1.88	9.79	2.26	1.16	4.88	1.27	0.38	0.06	2.92	12.93
8080	1.54	1.03	5.51	1.65	0.30	0.05	1.70	11.78	2.05	1.06	7.08	2.12	0.38	0.06	2.65	15.40
8085	2.20	1.45	3.99	1.04	0.30	0.05	2.43	11.46	2.94	1.49	5.19	1.35	0.38	0.06	3.78	15.19
8090	2.79	1.84	4.36	1.13	0.42	0.06	3.08	13.68	3.72	1.89	5.66	1.47	0.53	0.08	4.79	18.14
8095	4.57	2.80	7.62	2.13	1.17	0.18	4.72	23.19	6.09	2.88	9.91	2.77	1.51	0.23	7.34	30.73
8100	6.06	3.64	8.35	2.34	1.17	0.18	6.23	27.97	8.08	3.75	10.85	3.04	1.51	0.23	9.69	37.15
8105	6.38	3.83	10.89	3.05	1.17	0.18	6.56	32.06	8.51	3.94	14.16	3.96	1.51	0.23	10.21	42.52
8110	6.23	3.74	7.62	2.13	1.17	0.18	6.41	27.48	8.31	3.85	9.91	2.77	1.51	0.23	9.96	36.54
8115	6.52	3.90	8.35	2.34	1.17	0.18	6.70	29.16	8.69	4.01	10.85	3.04	1.51	0.23	10.42	38.75
8125	6.83	4.09	10.89	3.05	1.24	0.19	7.02	33.31	9.11	4.21	14.16	3.96	1.60	0.24	10.92	44.20
8130	6.89	4.13	10.89	3.05	1.24	0.19	7.08	33.47	9.18	4.24	14.16	3.96	1.60	0.24	11.01	44.39
8135	7.42	4.43	9.80	2.74	1.24	0.19	7.62	33.44	9.89	4.55	12.74	3.57	1.60	0.24	11.85	44.44
8145	7.48	4.50	8.89	2.49	1.56	0.23	7.70	32.85	9.97	4.63	11.56	3.24	2.05	0.31	11.97	43.73
8150	6.64	3.99	10.89	3.05	1.24	0.19	6.83	32.83	8.86	4.10	14.16	3.96	1.60	0.24	10.63	43.55
8155	6.41	3.86	10.89	3.05	1.24	0.19	6.60	32.24	8.55	3.97	14.16	3.96	1.60	0.24	10.26	42.74
8160	7.26	4.34	12.70	3.56	1.24	0.19	7.46	36.75	9.68	4.46	16.52	4.62	1.60	0.24	11.60	48.72
8170	2.87	1.61	0.00	0.11	0.00	0.00	3.29	7.88								
8175	3.42	1.93	0.00	0.11	0.00	0.00	3.92	9.38								
8180	5.33	3.00	0.00	0.11	0.00	0.00	6.10	14.54								
8185	6.55	3.68	0.00	0.11	0.00	0.00	7.50	17.84								
8190	7.33	4.12	0.00	0.11	0.00	0.00	8.40	19.96								
8200	0.71	0.40	0.00	0.10	0.00	0.00	0.81	2.02	0.94	0.41	0.00	0.10	0.00	0.00	1.23	2.68
8205	1.12	0.63	0.00	0.10	0.00	0.00	1.29	3.14	1.50	0.65	0.00	0.10	0.00	0.00	1.96	4.21
8210	1.14	0.64	0.00	0.10	0.00	0.00	1.30	3.18	1.51	0.66	0.00	0.10	0.00	0.00	1.98	4.25
8215	1.15	0.65	0.00	0.10	0.00	0.00	1.32	3.22	1.54	0.67	0.00	0.10	0.00	0.00	2.01	4.32
8225	0.23	0.13	0.00	0.00	0.00	0.00	0.27	0.63								
8230	0.24	0.14	0.00	0.00	0.00	0.00	0.28	0.66								
8235	0.27	0.15	0.00	0.00	0.00	0.00	0.31	0.73								
8240	0.32	0.18	0.00	0.00	0.00	0.00	0.36	0.86								
8245	0.35	0.20	0.00	0.00	0.00	0.00	0.40	0.95								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
8250	0.31	0.18	0.00	0.00	0.00	0.00	0.36	0.85								
8260	0.25	0.14	0.00	0.10	0.00	0.00	0.29	0.78								
8265	0.30	0.17	0.00	0.10	0.00	0.00	0.34	0.91								
8270	0.82	0.46	0.00	0.10	0.00	0.00	0.94	2.32								
8275	0.92	0.52	0.00	0.10	0.00	0.00	1.06	2.60								
8285	2.93	1.65	0.00	0.14	0.00	0.00	3.36	8.08								
8290	2.98	1.68	0.00	0.14	0.00	0.00	3.42	8.22								
8295	3.02	1.70	0.00	0.14	0.00	0.00	3.45	8.31								
8300	3.07	1.73	0.00	0.14	0.00	0.00	3.52	8.46								
8310	1.32	0.74	0.00	0.00	0.00	0.00	1.52	3.58								
8315	1.40	0.79	0.00	0.00	0.00	0.00	1.60	3.79								
8320	1.49	0.84	0.00	0.00	0.00	0.00	1.71	4.04								
8330	2.35	1.61	0.00	0.10	0.58	0.09	2.20	6.93	2.94	1.64	0.00	0.10	0.70	0.10	3.20	8.68
8335	2.82	1.90	0.00	0.10	0.58	0.09	2.63	8.12	3.52	1.94	0.00	0.10	0.70	0.10	3.83	10.19
8340	2.89	1.94	0.00	0.10	0.58	0.09	2.69	8.29	3.61	1.98	0.00	0.10	0.70	0.10	3.92	10.41
8345	3.39	2.30	0.00	0.10	0.75	0.11	3.17	9.82	4.24	2.35	0.00	0.10	0.90	0.14	4.62	12.35
8350	3.98	2.67	0.00	0.10	0.74	0.11	3.71	11.31	4.98	2.72	0.00	0.10	0.89	0.13	5.41	14.23
8355	7.77	5.47	0.00	0.10	2.50	0.38	7.30	23.52	9.72	5.57	0.00	0.10	3.01	0.45	10.65	29.50
8360	8.39	5.98	0.00	0.10	3.03	0.46	7.90	25.86	10.48	6.09	0.00	0.10	3.65	0.55	11.52	32.39
8370	3.16	2.11	0.00	0.10	0.58	0.09	2.94	8.98	3.94	2.15	0.00	0.10	0.70	0.10	4.29	11.28
8380	1.46	1.39	0.00	0.10	0.47	0.07	1.43	4.92								
8385	1.61	1.54	0.00	0.10	0.53	0.08	1.57	5.43								
8390	1.76	1.69	0.00	0.10	0.58	0.09	1.72	5.94								
8395	2.03	1.96	0.00	0.14	0.70	0.11	1.99	6.93								
8400	2.10	2.05	0.00	0.14	0.79	0.12	2.07	7.27								
8405	2.43	2.35	0.00	0.14	0.87	0.13	2.38	8.30								
8410	2.59	2.56	0.00	0.14	1.07	0.16	2.56	9.08								
8415	3.21	3.09	0.00	0.14	1.07	0.16	3.15	10.82								
8420	3.34	3.19	0.00	0.14	1.07	0.16	3.26	11.16								
8425	3.81	3.62	0.00	0.19	1.16	0.17	3.71	12.66								
8430	4.10	3.91	0.00	0.19	1.30	0.19	4.00	13.69								
8435	4.43	4.23	0.00	0.19	1.43	0.21	4.33	14.82								
8440	4.94	4.91	0.00	0.19	2.14	0.32	4.89	17.39								
8445	1.16	1.18	0.00	0.10	0.58	0.09	1.16	4.27								
8455	1.17	1.18	0.00	0.10	0.58	0.09	1.17	4.29								
8465	1.41	1.39	0.00	0.12	0.58	0.09	1.40	4.99								
8470	1.42	1.40	0.00	0.12	0.58	0.09	1.41	5.02								
8480	0.76	0.76	0.00	0.11	0.35	0.05	0.76	2.79								
8485	0.85	0.87	0.00	0.11	0.44	0.07	0.85	3.19								
8490	0.92	0.94	0.00	0.11	0.48	0.07	0.92	3.44								
8500	2.28	1.94	2.59	0.72	0.21	0.03	1.88	9.65								
8505	2.36	2.08	2.59	0.72	0.42	0.06	1.96	10.19								
8510	2.47	2.18	2.59	0.72	0.42	0.06	2.06	10.50								
8520	20.64	16.20	11.66	3.97	6.14	0.92	19.06	78.59	24.76	16.41	15.07	5.12	10.24	1.54	26.69	99.83
8525	28.50	22.68	16.85	5.73	10.58	1.59	26.39	112.32	34.20	22.98	21.76	7.40	17.63	2.64	36.95	143.56
8530	38.71	31.63	22.55	7.67	14.14	2.12	36.00	152.82	46.45	32.05	29.13	9.90	23.57	3.54	50.40	195.04
8535	18.29	14.46	11.66	3.97	6.14	0.92	16.92	72.36	21.95	14.65	15.07	5.12	10.24	1.54	23.68	92.25
8540	26.43	21.57	16.85	5.73	13.33	2.00	24.57	110.48	31.72	21.85	21.76	7.40	22.23	3.33	34.40	142.69
8550	13.59	10.77	6.09	2.07	3.84	0.58	12.57	49.51	16.31	10.91	7.87	2.68	6.17	0.93	17.60	62.47
8555	16.22	12.75	6.61	2.25	4.03	0.60	14.99	57.45	19.46	12.92	8.54	2.90	6.47	0.97	20.98	72.24
8560	16.29	13.32	6.61	2.25	6.79	1.02	15.15	61.43	19.55	13.49	8.54	2.90	10.91	1.64	21.21	78.24
8565	27.40	22.22	11.66	3.97	10.41	1.56	25.45	102.67	32.88	22.51	15.07	5.12	16.74	2.51	35.63	130.46
8575	13.62	10.73	5.55	1.89	3.10	0.46	12.59	47.94	16.35	10.88	7.16	2.44	5.17	0.78	17.63	60.41
8580	21.59	16.82	11.66	3.97	5.56	0.83	19.92	80.35	25.91	17.04	15.07	5.12	9.26	1.39	27.89	101.68
8585	27.72	22.11	15.76	5.36	10.58	1.59	25.68	108.80	33.27	22.40	20.36	6.92	17.63	2.64	35.95	139.17

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
8590	36.31	29.54	16.74	5.69	12.68	1.90	33.75	136.61	43.57	29.93	21.63	7.35	21.14	3.17	47.24	174.03
8595	37.11	30.45	19.57	6.65	14.14	2.12	34.54	144.58	44.54	30.85	25.28	8.59	23.57	3.54	48.36	184.73
8605	27.45	21.43	15.03	5.11	8.51	1.28	25.34	104.15	32.94	21.71	19.42	6.60	14.60	2.19	35.48	132.94
8615	12.13	9.52	5.57	1.89	3.59	0.54	11.21	44.45	14.56	9.64	7.20	2.45	5.99	0.90	15.69	56.43
8620	17.22	13.54	8.32	2.83	5.30	0.79	15.91	63.91	20.66	13.72	10.75	3.65	8.83	1.32	22.28	81.21
8625	20.60	16.76	12.78	4.34	10.07	1.51	19.15	85.21	24.73	16.98	16.51	5.61	16.78	2.52	26.81	109.94
8630	27.80	22.58	16.17	5.50	13.33	2.00	25.83	113.21	33.36	22.88	20.89	7.10	22.23	3.33	36.16	145.95
8635	38.90	31.77	21.77	7.40	14.14	2.12	36.17	152.27	46.68	32.18	28.12	9.56	23.57	3.54	50.64	194.29
8645	21.31	16.69	10.89	3.70	6.14	0.92	19.68	79.33	25.57	16.91	14.06	4.78	10.24	1.54	27.55	100.65
8650	29.18	23.18	14.93	5.08	10.58	1.59	27.01	111.55	35.01	23.49	19.28	6.56	17.63	2.64	37.81	142.42
8655	31.13	25.04	16.64	5.66	13.33	2.00	28.88	122.68	37.35	25.37	21.49	7.31	22.23	3.33	40.43	157.51
8660	34.62	28.11	17.60	5.98	11.82	1.77	32.17	132.07	41.55	28.48	22.73	7.73	19.70	2.95	45.03	168.17
8665	38.35	31.36	21.20	7.21	14.14	2.12	35.67	150.05	46.02	31.77	27.39	9.31	23.57	3.54	49.94	191.54
8675	8.34	8.17	6.16	1.97	2.10	0.31	8.88	35.93	10.01	8.26	8.10	2.59	2.83	0.42	11.54	43.75
8680	14.12	14.19	13.54	4.33	4.77	0.72	15.13	66.80	16.94	14.35	17.82	5.70	6.43	0.96	19.67	81.87
8685	19.15	19.44	18.47	5.91	7.10	1.06	20.58	91.71	22.98	19.64	24.30	7.78	9.56	1.43	26.76	112.45
8690	19.72	19.95	18.47	5.91	7.10	1.06	21.18	93.39	23.67	20.17	24.30	7.78	9.56	1.43	27.53	114.44
8695	21.93	22.43	22.57	7.22	8.72	1.31	23.62	107.80	26.31	22.67	29.70	9.50	11.75	1.76	30.70	132.39
8700	23.32	23.68	22.57	7.22	8.72	1.31	25.06	111.88	27.98	23.94	29.70	9.50	11.75	1.76	32.58	137.21
8710	14.01	14.09	13.54	4.33	4.77	0.72	15.02	66.48	16.81	14.24	17.82	5.70	6.43	0.96	19.52	81.48
8715	19.03	19.32	18.47	5.91	7.10	1.06	20.45	91.34	22.84	19.53	24.30	7.78	9.56	1.43	26.59	112.03
8720	19.32	19.59	18.47	5.91	7.10	1.06	20.76	92.21	23.19	19.80	24.30	7.78	9.56	1.43	26.99	113.05
8725	23.53	23.87	22.57	7.22	8.72	1.31	25.28	112.50	28.23	24.13	29.70	9.50	11.75	1.76	32.87	137.94
8730	23.93	24.24	22.57	7.22	8.72	1.31	25.70	113.69	28.72	24.50	29.70	9.50	11.75	1.76	33.42	139.35
8740	17.32	13.95	13.54	4.33	6.41	0.96	16.07	72.58	20.78	14.14	17.82	5.70	10.74	1.61	22.50	93.29
8745	26.07	21.26	18.47	5.91	10.17	1.53	24.24	107.65	31.29	21.54	24.30	7.78	16.51	2.48	33.94	137.84
8750	40.42	33.84	26.68	8.54	22.55	3.38	37.74	173.15	48.50	34.28	35.10	11.23	37.92	5.69	52.84	225.56
8760	15.54	12.68	11.37	3.64	6.44	0.97	14.44	65.08	18.64	12.84	14.96	4.79	10.65	1.60	20.22	83.70
8765	27.69	21.55	17.36	5.56	4.39	0.66	25.55	102.76	33.23	21.84	22.84	7.31	7.22	1.08	35.77	129.29
8775	18.17	14.63	13.54	4.33	6.60	0.99	16.86	75.12	21.80	14.82	17.82	5.70	11.02	1.65	23.60	96.41
8780	25.85	20.70	18.47	5.91	8.86	1.33	23.96	105.08	31.02	20.97	24.30	7.78	14.83	2.23	33.55	134.68
8790	4.73	2.07	5.50	1.54	0.04	0.01	8.53	22.42								
8795	7.20	3.14	9.68	2.71	0.04	0.01	12.98	35.76								
8805	1.25	1.02	0.00	0.01	0.00	0.00	1.02	3.30								
8810	1.45	1.19	0.00	0.01	0.00	0.00	1.18	3.83								
8815	1.68	1.38	0.00	0.01	0.00	0.00	1.38	4.45								
8825	2.07	1.77	0.56	0.15	0.19	0.03	1.71	6.48								
8830	2.39	2.03	0.56	0.15	0.19	0.03	1.97	7.32								
8835	2.66	2.25	0.56	0.15	0.19	0.03	2.19	8.03								
8845	0.25	0.15	0.72	0.22	0.00	0.00	0.17	1.51								
8850	0.30	0.19	0.90	0.27	0.00	0.00	0.21	1.87								
8860	0.58	0.32	3.38	0.81	0.03	0.00	0.78	5.90								
8865	0.63	0.35	3.38	0.81	0.03	0.00	0.84	6.04								
8870	0.69	0.38	5.63	1.35	0.03	0.00	0.91	8.99								
8875	0.88	0.48	5.98	1.44	0.03	0.00	1.17	9.98								
8885	0.82	0.45	1.37	0.33	0.03	0.00	1.09	4.09								
8890	0.88	0.48	1.93	0.46	0.03	0.00	1.17	4.95								
8895	0.97	0.54	1.93	0.46	0.05	0.01	1.30	5.26								
8900	1.06	0.59	3.25	0.78	0.05	0.01	1.42	7.16								
8910	0.25	0.15	0.36	0.11	0.00	0.00	0.17	1.04								
8915	0.25	0.16	0.72	0.22	0.00	0.00	0.18	1.53								
8925	0.12	0.07	0.68	0.21	0.00	0.00	0.08	1.16								
8930	0.15	0.09	0.86	0.26	0.00	0.00	0.11	1.47								
8935	0.39	0.24	1.08	0.32	0.00	0.00	0.27	2.30								
8940	0.68	0.42	1.51	0.45	0.00	0.00	0.48	3.54								

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
8950	0.06	0.04	0.68	0.21	0.00	0.00	0.04	1.03						
8955	0.18	0.11	0.86	0.26	0.00	0.00	0.12	1.53						

APPENDIX A

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APPENDIX A

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15. Means 1984 Labor Rates for the Construction Industry, 11th ed, R. S. Means Company, Inc., Kingston, Massachusetts, 1983.
16. Operating Cost Guide, Power Crane and Shovel Association, Milwaukee, Wisconsin, 1976.
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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.
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20. Production and Cost Estimating of Material Movement with Earthmoving Equipment, General Motors Corp., Terex Division, Hudson, Ohio, 1975.

APPENDIX B

AREA FACTORS

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

Sales or Import Tax Rate:	0.00 %
Working Hours Per Year:	1,150 Hrs/Yr
Labor Adjustment Factor (LAF):	1.250
Electricity Cost Per Kilowatt-Hour:	\$ 0.060 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.070 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 1.080 /Gal.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.210 /Gal.
Freight Rates:	0 thru 24,000 lbs. \$34.000 /Cwt. over 24,000 thru 30,000 lbs. \$30.820 /Cwt. over 30,000 thru 44,000 lbs. \$23.640 /Cwt. over 44,000 thru 60,000 lbs. \$16.590 /Cwt. over 60,000 thru 70,000 lbs. \$14.830 /Cwt. over 70,000 thru 80,000 lbs. \$14.370 /Cwt. over 80,000 thru 9999,900 lbs. \$13.310 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

APPENDIX D  
EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

TABLE LEGEND  
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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	45	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	20	65	.000	.066	.038	0	.000	.000	.000	0	32	28	71	57	79	85
65	ASPHALT AND CONCRETE PAVERS	A	10	20	65	.000	.066	.038	0	.000	.000	.000	0	32	28	83	66	92	90
70	ASPHALT KETTLES AND RECYCLERS	A	8	20	65	.000	.066	.038	0	.000	.000	.000	0	32	28	76	60	84	80
BACKHOE (SEE KEY NO. 570-601)																			
75	BROOMS	A	10	25	65	.000	.066	.000	0	.000	.000	.000	0	24	28	81	65	90	80
80	BRUSH CHIPPERS	A	10	20	45	.000	.046	.027	0	.000	.000	.000	0	32	28	0	0	90	90
90	BUCKETS, CLAMSHELL & DRAGLINE	A	10	15	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	70
90		S	8	15	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
95	BUCKETS, CONCRETE	A	10	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	70
105	CONCRETE OR GROUT PUMP	A	8	20	95	.000	.097	.056	0	.000	.000	.000	45	32	28	81	65	90	90
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	A	8	20	0	.000	.000	.000	0	.000	.000	.000	45	32	28	0	0	90	80
125	CONCRETE FINISHERS & BUGGIES	A	6	25	70	.700	.071	.041	0	.000	.000	.000	50	32	28	0	0	90	80
130	CONCRETE SAWS	A	8	20	90	.900	.091	.053	0	.000	.000	.000	45	32	38	0	0	90	90
135	CONCRETE VIBRATORS	A	4	20	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	85	120
CRANE, CRAWLER TYPE																			
150	0 THRU 25 TON	A	13	20	40	.000	.041	.024	0	.000	.000	.000	0	32	32	0	0	0	55
150		S	11	20	52	.000	.053	.031	0	.000	.000	.000	0	32	32	0	0	0	60
165	OVER 25 TON THRU 50 TON	A	15	20	40	.000	.041	.024	0	.000	.000	.000	0	20	20	0	0	0	65
165		S	13	20	52	.000	.053	.031	0	.000	.000	.000	0	20	20	0	0	0	70
170	OVER 50 TON THRU 150 TON	A	18	20	40	.000	.041	.024	0	.000	.000	.000	0	22	22	0	0	0	75
170		S	16	20	52	.000	.053	.031	0	.000	.000	.000	0	22	22	0	0	0	80
180	OVER 150 TON	A	20	20	40	.000	.041	.024	0	.000	.000	.000	0	24	24	0	0	0	85
180		S	18	20	52	.000	.053	.031	0	.000	.000	.000	0	24	24	0	0	0	90
DRAGLINE & CLAMSHELL, CRAWLER																			
185	0 THRU 1 CY	A	12	20	50	.000	.051	.030	0	.000	.000	.000	0	32	32	0	0	0	70
185		S	10	20	65	.000	.066	.038	0	.000	.000	.000	0	32	32	0	0	0	80
190	OVER 1 CY THRU 2-1/2 CY	A	15	20	50	.000	.051	.030	0	.000	.000	.000	0	20	20	0	0	0	80
190		S	13	20	65	.000	.066	.038	0	.000	.000	.000	0	20	20	0	0	0	90
195	OVER 2-1/2 CY THRU 5 CY	A	18	20	50	.000	.051	.030	0	.000	.000	.000	0	22	22	0	0	0	90
195		S	16	20	65	.000	.066	.038	0	.000	.000	.000	0	22	22	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	OVER 5 CY	A	20	20	50 .000 .051 .030	0 .000 .000 .000	0	24	24	0	0	0	0	100					
196		S	18	20	65 .000 .066 .038	0 .000 .000 .000	0	24	24	0	0	0	0	110					
200	CRANES, HYDRAULIC, SELF-PROPELLED	A	16	15	65 .000 .066 .038	0 .000 .000 .000	0	32	30	89	71	90	70						
205	CRANES, TOWER	A	18	30	65 .900 .066 .038	10 .900 .010 .006	50	30	26	0	0	0	0	80					
	CRANES & HYD. EXC., TRK MD																		
210	UNDER 26 T. (THRU 1 CY)	A	15	15	65 .000 .066 .038	10 .000 .010 .006	0	38	36	97	78	0	50						
210		S	13	15	85 .000 .086 .050	13 .000 .013 .007	0	38	36	86	61	0	55						
225	26 THRU 65 T (1 TH 2-1/2 CY)	A	18	15	65 .000 .066 .038	10 .000 .010 .006	0	30	26	97	78	0	60						
225		S	16	15	85 .000 .086 .050	13 .000 .013 .007	0	30	26	86	61	0	65						
230	66 THRU 125 T	A	20	15	65 .000 .066 .038	10 .000 .010 .006	0	30	26	97	78	0	70						
230		S	18	15	85 .000 .086 .050	13 .000 .013 .007	0	30	26	86	61	0	75						
240	OVER 125 T	A	22	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	38	38	62	44	0	90						
330	DRILL, ROTARY OVER 11" DIA.	A	20	20	80 .000 .081 .047	0 .000 .000 .000	0	32	32	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 .900 .066 .038	0 .000 .000 .000	45	24	24	87	78	90	70						
390	GRADERS	A	12	25	60 .000 .061 .035	0 .000 .000 .000	0	20	34	89	71	0	60						
390		S	10	25	78 .000 .079 .046	0 .000 .000 .000	0	20	34	71	51	0	70						
420	GENERATORS	A	8	15	65 .000 .066 .038	0 .000 .000 .000	0	24	24	0	0	90	60						
420		S	7	15	85 .000 .086 .050	0 .000 .000 .000	0	24	24	0	0	90	70						
435	HOIST	A	10	20	65 .000 .066 .038	0 .000 .000 .000	0	24	24	0	0	0	80						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)																		
440	LIGHT PLANTS	A	8	25	85 .000 .086 .050	0 .000 .000 .000	0	24	24	0	0	90	150						
450	LOADER, BELT	A	10	25	65 .000 .066 .038	0 .000 .000 .000	0	28	28	26	0	99	90						
450		S	8	25	85 .000 .086 .050	0 .000 .000 .000	0	28	28	16	0	96	100						
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	A	10	20	70 .000 .071 .041	0 .000 .000 .000	0	32	38	0	0	0	125						
460	LOADER, WHEEL TYPE	S	8	20	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	42	70	42	0	70						
465		S	8	25	85 .000 .086 .050	0 .000 .000 .000	0	32	42	41	22	0	75						

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
470	OVER 225 HP	A	12	15	65 .000	.066	.038		0 .000	.000	.000		0	32	30	70	42	0	70
470		S	10	15	85 .000	.086	.050		0 .000	.000	.000		0	32	30	41	22	0	75
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	A	10	25	65 .000	.066	.038		0 .000	.000	.000		0	32	32	72	50	0	80
475		S	8	25	85 .000	.086	.050		0 .000	.000	.000		0	32	32	57	35	0	85
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	A	6	30	65 .000	.066	.038		0 .000	.000	.000		0	32	32	0	0	0	90
485	PIPELAYERS	A	12	35	35 .000	.000	.021		0 .000	.000	.000		0	0	40	0	0	0	75
485		S	10	35	45 .000	.000	.027		0 .000	.000	.000		0	0	40	0	0	0	85
	PUMP, GROUT (SEE KEY NO. 105)																		
495	PUMP, WATER, ENGINE DRIVE	A	10	25	90 .000	.091	.053		0 .000	.000	.000		0	32	38	0	0	0	80
500	PUMP, WATER, ELECTRIC DRIVE	A	10	25	90 .900	.000	.000		0 .000	.000	.000		45	0	0	0	0	0	40
510	RIPPERS	A	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
510		S	6	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	90
525	ROLLERS, EXCEPT VIB. ROLLERS	A	10	20	65 .000	.066	.038		65 .000	.066	.038		0	24	24	76	60	84	80
530	ROLLERS, VIBRATORY	A	8	20	90 .000	.091	.053		90 .000	.091	.053		0	32	32	76	60	84	100
540	SCRAPERS, STANDARD	A	10	15	60 .000	.000	.035		60 .000	.000	.035		0	0	32	59	33	65	60
540		S	8	15	78 .000	.000	.046		78 .000	.000	.046		0	0	32	39	19	43	65
542	SCRAPERS, TANDEM POWERED	A	10	15	62 .000	.000	.037		62 .000	.000	.037		0	0	26	59	33	65	65
542		S	8	15	81 .000	.000	.048		81 .000	.000	.048		0	0	26	39	19	43	70
	SCRAPERS, ELEVATING																		
545	0 THRU 200 HP	A	10	20	66 .000	.000	.039		66 .000	.000	.039		0	0	40	59	33	65	75
545		S	8	20	86 .000	.000	.051		86 .000	.000	.051		0	0	40	39	19	43	80
550	OVER 200 HP	A	10	15	66 .000	.000	.039		66 .000	.000	.039		0	0	32	59	33	65	65
550		S	8	15	86 .000	.000	.051		86 .000	.000	.051		0	0	32	39	19	43	70
555	SCRAPERS, TRACTOR DRAWN	A	12	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	65	0	72	70
555		S	10	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	50	0	55	75
560	SOIL STABILIZERS	A	10	20	66 .000	.000	.039		66 .000	.000	.039		0	0	28	59	33	65	75
560		S	8	20	86 .000	.000	.051		86 .000	.000	.051		0	0	28	39	19	43	85
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED																		
570	0 THRU 1 CY	A	8	25	60 .000	.061	.035		0 .000	.000	.000		0	38	38	0	0	0	70
570		S	6	25	78 .000	.079	.046		0 .000	.000	.000		0	38	38	0	0	0	80
585	OVER 1 CY THRU 2-1/2 CY	A	10	20	60 .000	.061	.035		0 .000	.000	.000		0	20	20	0	0	0	80
585		S	8	20	78 .000	.079	.046		0 .000	.000	.000		0	20	20	0	0	0	90
595	OVER 2-1/2 CY THRU 5 CY	A	12	15	60 .000	.061	.035		0 .000	.000	.000		0	22	22	0	0	0	90
595		S	10	15	78 .000	.079	.046		0 .000	.000	.000		0	22	22	0	0	0	100

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	
600	OVER 5 CY	A	14	15	60 .000	.061	.035		0 .000	.000	.000		0	24	24	0	0	0	110
600		S	12	15	78 .000	.079	.046		0 .000	.000	.000		0	24	24	0	0	0	120
601	OVER 2-1/2 CY ELECTRIC	A	18	20	50 .500	.000	.000		0 .000	.000	.000		25	0	0	0	0	0	70
601		S	16	20	65 .650	.000	.000		0 .000	.000	.000		25	0	0	0	0	0	80
	TRACTOR, CRAWLER TYPE																		
615	0 THRU 225 HP	A	10	25	70 .000	.000	.041		0 .000	.000	.000		0	0	36	0	0	0	110
615		S	8	25	91 .000	.000	.054		0 .000	.000	.000		0	0	36	0	0	0	120
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	A	10	15	70 .000	.000	.041		0 .000	.000	.000		0	0	28	0	0	0	90
620		S	8	15	91 .000	.000	.054		0 .000	.000	.000		0	0	28	0	0	0	100
625	OVER 425 HP	A	12	15	70 .000	.000	.041		0 .000	.000	.000		0	0	24	0	0	0	90
625		S	10	15	91 .000	.000	.054		0 .000	.000	.000		0	0	24	0	0	0	100
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	A	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
630		S	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	90
645	TRACTOR, WHEEL TYPE	A	10	20	65 .000	.066	.038		0 .000	.000	.000		0	24	28	73	44	0	60
645		S	8	20	85 .000	.086	.050		0 .000	.000	.000		0	24	28	38	21	0	65
650	TRENCHER	A	10	20	65 .000	.066	.038		0 .000	.000	.000		0	28	28	91	68	0	90
650		S	8	20	85 .000	.086	.050		0 .000	.000	.000		0	28	28	77	48	0	100
655	TRAILERS, BOTTOM DUMP AND END DUMP	A	10	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	65
655		S	8	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
660	TRAILERS, FLATBED, LO-BOY AND TILT	A	10	30	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	65	50
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING																		
670	DUMP BODIES	A	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
670		S	6	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
675	ALL OTHER ACCESSORIES	A	8	20	65 .000	.066	.000		0 .000	.000	.000		0	32	32	0	0	0	70
	TRUCK, HIGHWAY																		
690	0 THRU 10,000 GVW	A	6	25	15 .000	.015	.009		0 .000	.000	.000		0	28	24	41	29	0	70
690		S	5	25	20 .000	.020	.012		0 .000	.000	.000		0	28	24	36	22	0	80
695	OVER 10,000 THRU 30,000 GVW	A	8	25	35 .000	.035	.020		0 .000	.000	.000		0	30	26	49	39	0	60
695		S	6	25	46 .000	.045	.026		0 .000	.000	.000		0	30	26	42	30	0	70
705	OVER 30,000 GVW	A	8	20	50 .000	.052	.030		0 .000	.000	.000		0	32	28	51	38	57	60
705		S	6	20	65 .000	.067	.039		0 .000	.000	.000		0	32	28	43	29	48	70
720	TRUCK, OFF-HIGHWAY	A	12	15	40 .000	.000	.024		0 .000	.000	.000		0	0	34	59	36	65	60
720		S	10	15	52 .000	.000	.031		0 .000	.000	.000		0	0	34	39	21	43	70
765	WAGON, BOTTOM & REAR DUMP	A	12	15	65 .000	.066	.038		0 .000	.000	.000		0	24	32	59	39	65	60
765		S	10	15	85 .000	.086	.050		0 .000	.000	.000		0	24	32	39	22	43	70
780	WAGON, WATER	A	12	25	65 .000	.066	.038		0 .000	.000	.000		0	24	32	73	55	81	60
780		S	10	25	85 .000	.086	.050		0 .000	.000	.000		0	24	32	56	40	62	65

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
785	WATER BLASTER	A	6	20	95	.000	.097	.056	0	.000	.000	.000	0	24	28	0	0	90	110
795	WATER TANKS	A	12	20	65	.000	.066	.038	0	.000	.000	.000	0	24	28	77	73	90	50
810	WELDERS	A	6	30	80	.000	.081	.047	0	.000	.000	.000	0	24	24	0	0	90	70
811	WELDERS ELECTRIC POWER	A	8	25	60	.600	.000	.000	0	.000	.000	.000	30	0	0	0	0	90	40

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

1967 = 1000

CATEGORY	YEAR PURCHASE NEW												1967 = 1000				
	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973				
	0	1	2	3	4	5	6	7	8	9	10	11	12				
Air Equipment	1772	1688	1695	1668	1563	1630	1521	1354	1295	1186	1165	1028	935				
Asphalt & Concrete Paving Equipment	2662	2610	2583	2620	2461	2296	2111	1941	1815	1686	1610	1451	1304				
Buckets	4598	4508	4471	4541	4313	3879	3280	2963	2738	2520	2175	1838	1430				
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3437	3370	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305				
Drills	2857	2801	2836	2810	2602	2265	1993	1858	1699	1638	1559	1373	1249				
Generators	3468	3400	3314	3236	3160	2817	2390	2301	2128	2053	1839	1456	1316				
Graders, Motor	3802	3727	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361				
Loaders, Track	3867	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329				
Loaders, Wheel	4061	3981	3873	3788	3441	2938	2606	2375	2156	2002	1907	1584	1362				
Pile Driving Equipment	3651	3579	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307				
Rollers	4002	3924	3744	3431	3199	2913	2653	2396	2139	1983	1872	1556	1328				
Scrapers and Soil Stabilizers	3802	3727	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361				
Shovels, Backhoes & Hydraulic Excavators	3437	3370	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305				
Tractors, Crawler & Attachments	3867	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329				
Tractors, Wheel	3729	3656	3557	3530	3256	2927	2578	2319	2125	1956	1813	1498	1288				
Trenchers	4520	4431	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527	1384				
Trucks, Highway	3128	3067	2934	2824	2638	2324	2108	1934	1775	1646	1524	1369	1230				
Trucks & Wagons - Off Highway	3862	3786	3744	3662	3363	2964	2588	2364	2196	2081	1965	1568	1315				
All Other Equipment	3651	3579	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307				
All Tires & Tubes	2487	2438	2453	2552	2506	2369	2055	1792	1699	1615	1485	1334	1114				

## 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
		0.648	0.428
F	Wheel Positions		
	Trailing (T-Tire)	1.00	1.00
	Front (F-Tire)	0.90	0.90
	Driver (D-Tire)		
	(Rear Dump)	0.70	0.70
	(Bottom Dump)	0.70	0.70
	(Self-Propelled Scrapers)	0.60	0.60
G	Grades		
	(Drive Tire Only)	0.85	0.75

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#### FINAL TIRE WEAR FACTORS

Trailing (T-Tire)	0.65	0.43
Front (F-Tire)	0.58	0.39
Driver (D-Tire)		
(Rear Dump)	0.39	0.22
(Bottom Dump)	0.39	0.22
(Self-Propelled Scrapers)	0.33	0.19

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

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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) Draqline 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.

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(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.