

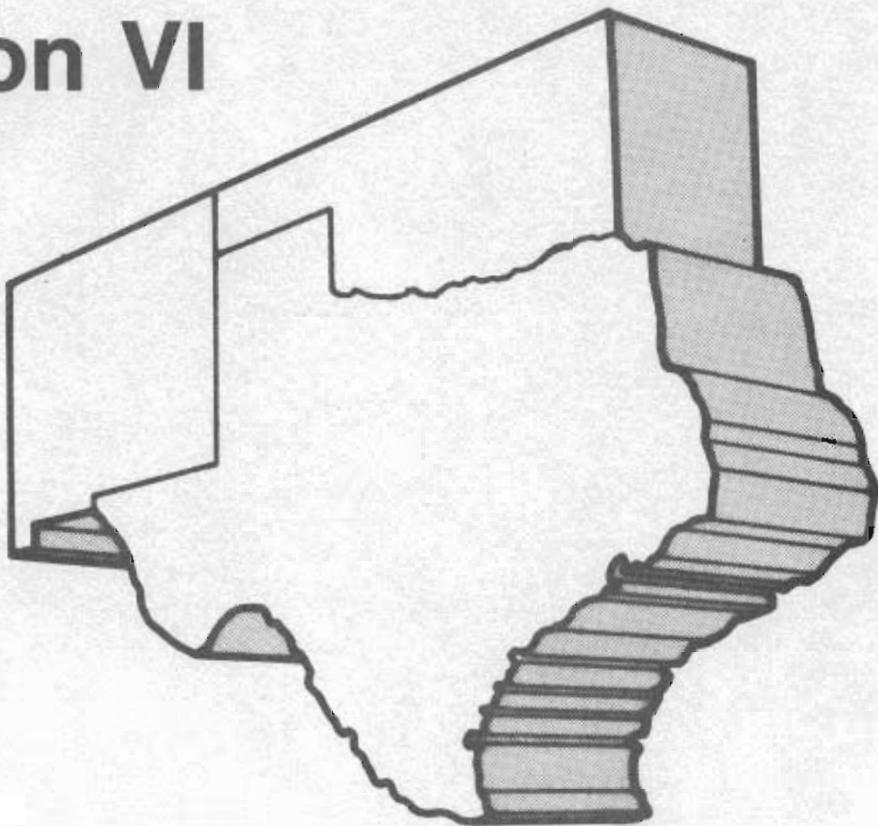


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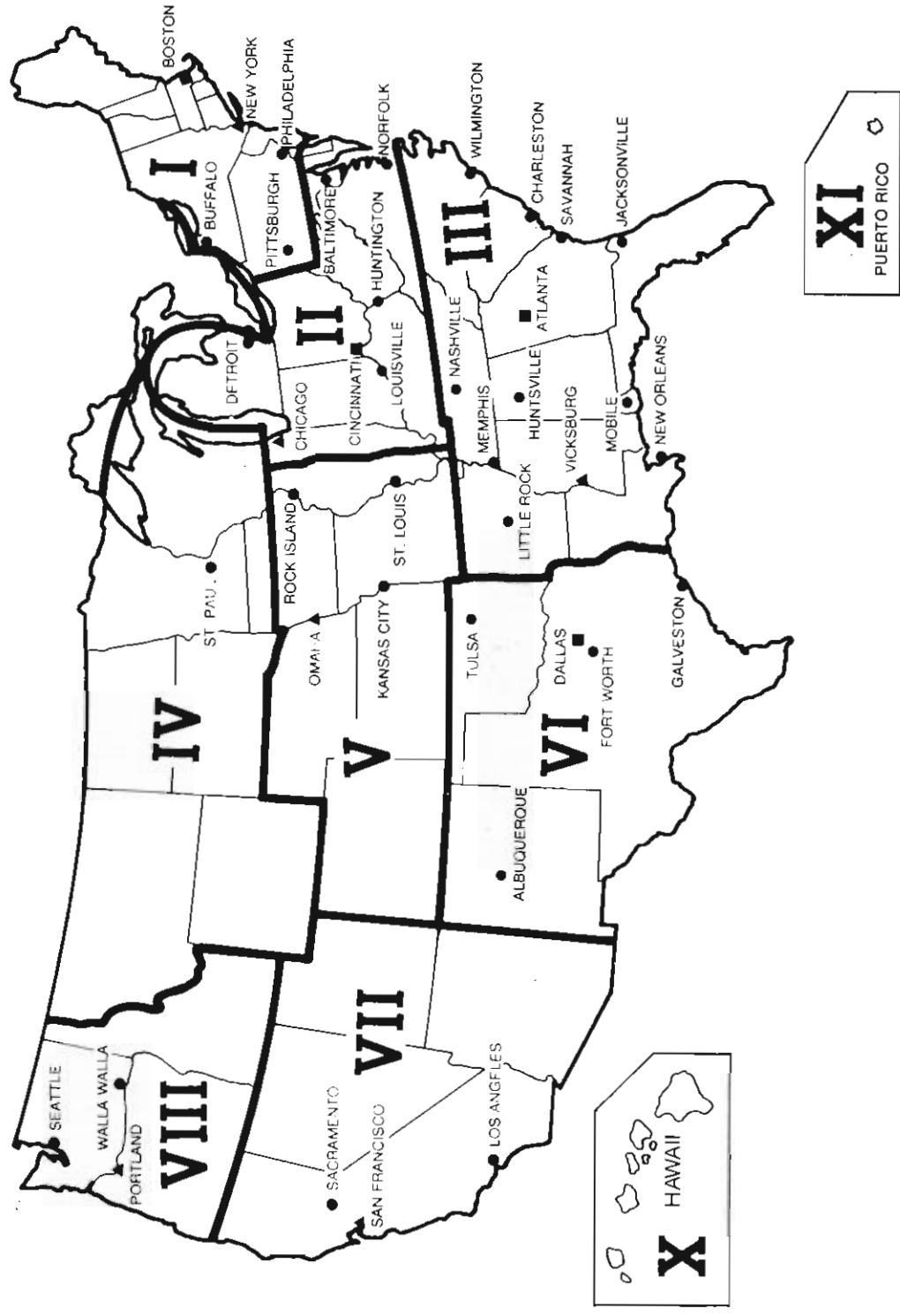
*Estimates*  
S EP 1110-1-8  
Volume 6  
June 1984

# Construction Equipment Ownership and Operating Expense Schedule

## Region VI



# Regions for the Construction Equipment Ownership and Operating Expense Schedule



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

EP 1110-1-8  
Volume 6

Pamphlet  
No. 1110-1-8

1 June 1984

Engineering and Design  
CONSTRUCTION EQUIPMENT OWNERSHIP  
AND OPERATING EXPENSE SCHEDULE

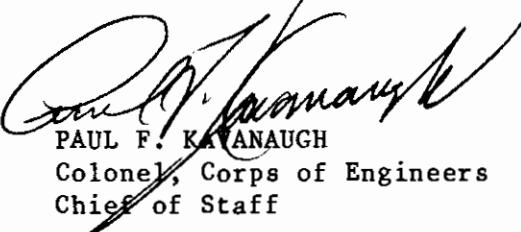
1. Purpose. This pamphlet establishes predetermined equipment ownership and operating expense rates for use in preparation of estimates and in pricing negotiated procurements requiring independent Government estimates.

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

New Mexico  
Oklahoma  
Texas

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 1982. 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:



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

EP 1110-1-8  
(Vol. 6)

Engineer Pamphlet  
No. 1110-1-8

1 June 1984

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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 VI, which includes the following states:

New Mexico  
Oklahoma  
Texas

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 1982. The percentages for marine equipment provide an allowance for ownership expenses only. This pamphlet will be updated annually or more frequently if necessary.

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

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

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 1982.

(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 (12.375%) 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 9.90% to avoid duplication when applying markups for overhead and profit.

$$CFC/hr = \frac{[(N-1)(1+S)+2]}{2N} \frac{(\text{Equipment Cost})}{(\text{Work Hrs per Year})} (9.90\%)$$

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 self-propelled hydraulic

cranes) has been reduced to allow for servicing normally performed by the oiler assigned to the piece of equipment.

(4) Maintenance and Repair Costs.

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

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

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

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

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

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

(5) Hourly Tire Cost.

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

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

(c) The useful tire life was determined from the method and tables in "Production and Cost Estimating of Material Movement

with Earthmoving Equipment," (dated September 1975) prepared by Terex Division of General Motors. The maximum tire life, however, has been assumed to be as indicated in APPENDIX F. A sample computation of the tire wear factors for off-highway haul units is given in APPENDIX F.

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

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

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

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

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

CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET (EP 1110-1-8)	
1. REQUIRED DATA	
a. Unit Number <u>3230</u>	(Since this request for information is to less than ten persons, OMB approval under Section 3507, 44 USC, is not required.)
(1) Equipment Description <u>Lorain Truck Crane 50 TON</u>	
(2) Model and Series <u>MC 550 A w/160' Boom</u>	
(3) Year Purchased <u>1982</u> (4) Year Manufactured <u>1982</u>	
(5) Equipment Horsepower <u>115</u> (6) Carrier Horsepower <u>246</u>	
(7) Fuel Type <u>Diesel/Diesel</u> (8) Shipping Weight <u>111,100 lb.</u>	
(9) Tire Size: Front- <u>1400x20 10PR</u> Drive- <u>1400x20 10PR</u> Trailing- <u>N/A</u>	
b. Key Number from APPENDIX D <u>225</u>	
(1) Condition <u>Average</u>	
(2) Salvage Value % <u>.20</u> (3) Life <u>18000 hrs</u>	
(4) Equipment Fuel Factor <u>.038</u> (5) Carrier Fuel Factor <u>.006</u>	
(6) FOG Factor: Gas <u>N/A</u> Diesel <u>.26</u> Electric <u>N/A</u>	
(7) Tire Wear Factor: Front <u>.97</u> Drive <u>.78</u> Trailing <u>N/A</u>	
(8) Repairs Cost Factor <u>.60</u>	
2. EQUIPMENT COST	
a. List Price Year of Manufacture (including extras)	<u>\$ 341,964.00</u>
(1) Discount: (List Price) x *.75% *(17.5% for Highway Trucks) <u>= (\$ 341,964.00) x *.075</u> <u>= (-) \$ 25,647.00</u>	
(2) Freight: (Shipping Weight) x (Prep. and Del. Rate) From 1-a-(8) From APPENDIX B <u>= (111,000 cwt) x (\$ 3.41)</u> <u>= (+) \$ 3,788.51</u>	
b. Subtotal: Summation of Part a. (Use actual cost when available)	<u>= \$ 320,105.51</u>
(1) State Sales Tax: (Subtotal) x (Tax Rate) From 2-b <u>= (\$ 320,105.51) x (.04)</u> <u>= (+) \$ 1280.42</u>	
c. Equipment Cost: Summation of Part b. (Use actual cost when available)	<u>= \$ 321,385.93</u>

Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

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

$$=(18000 \text{ Hrs}) + (1700 \text{ Hrs/Yr}) = 10.59 \text{ Yrs.}$$

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

$$=(3349) + (3213) = .042 (\text{EAF})$$

5. SALVAGE VALUE FACTOR (S)

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

$$=.20 \times (.042) = .08 (\text{S})$$

6. OWNERSHIP COSTS

a. Depreciation:

$$\begin{aligned} & \frac{\text{Equipment}}{\text{Cost From}} \times [1.0 - (S \text{ From})] - \frac{\text{Life}}{\text{Tire Cost}} + \frac{\text{Life}}{\text{From } 1-b-(3)} \\ & = [(\$332,909) \times [1.0 - (.208)] - (\$8486)] + (18000 \text{ Hr}) = \$14.18 / \text{Hr.} \end{aligned}$$

b. Cost of Facilities Capital (CFC):

$$\begin{aligned} & \frac{\text{Life}}{3} \times [(1.0) \times ((S \text{ From}) + 1.0) + 2.0] + \frac{\text{Life}}{5} \\ & = [(10.59 \text{ yrs}) - 1.0] \times [(.208) + 1.0] + 2.0] + [(10.59 \text{ yrs}) \times 2.0] = .641 \end{aligned}$$

$$\begin{aligned} & \frac{\text{Equipment}}{\text{Cost From}} \times \frac{\text{Average}}{\text{Value Factor}} \times \frac{\text{CFC Factor}}{\text{From Para. 1}} \times \frac{\text{Hrs Use/}}{\text{Yr From } 2-2.c(2)} \\ & = (\$332,909) \times (.641) \times (.041) + (1700 \text{ Hrs/Yr}) = \$12.43 / \text{Hr.} \end{aligned}$$

c. Total Hourly Ownership: (Sum 6-a + 6-b-/2) = \$26.61 / Hr.

Figure 2-1. (Continued)

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

7. OPERATING COSTS

a. Fuel Costs:

$$\begin{aligned}
 & (1) \text{ Equipment: } (\text{Equip Fuel Factor}) \times (\text{H.P. From}) \times (\text{Fuel Cost}) \\
 & \quad \text{From 1-b-(4)} \quad \text{l-a-(5)} \quad \text{Per Gal.} \\
 & \quad = (.038) \times (115 \text{ HP}) \times (\$ .96 \text{ /Gal}) \quad = \$ 4.20 \text{ /Hr.} \\
 \\
 & (2) \text{ Carrier: } (\text{Carrier Fuel Factor}) \times (\text{H.P. From}) \times (\text{Fuel Cost}) \\
 & \quad \text{From 1-b-(5)} \quad \text{l-a-(6)} \quad \text{Per Gal.} \\
 & \quad = (.006) \times (246 \text{ HP}) \times (\$ .09 \text{ /Gal}) \quad = \$ 1.61 \text{ /Hr.} \\
 \\
 & (3) \text{ Total Fuel Costs: } (\text{Sum 7-a-(1), 7-a-(2)}) \quad = \$ 5.81 \text{ /Hr.}
 \end{aligned}$$

b. FOG Costs:

$$\begin{aligned}
 & (1) \text{ Equipment: } (\text{FOG Factor}) \times (\text{Hourly Fuel Cost}) \\
 & \quad \text{From 1-b-(6)} \quad \text{From 7-a-(1)} \\
 & \quad = (.26) \times (\$ 4.20 \text{ /Hr}) \quad = \$ 1.09 \text{ /Hrs.} \\
 \\
 & (2) \text{ Carrier: } (\text{FOG Factor}) \times (\text{Hourly Fuel Cost}) \\
 & \quad \text{From 1-b-(6)} \quad \text{From 7-a-(2)} \\
 & \quad = (.26) \times (\$ 1.61 \text{ /Hr}) \quad = \$ .42 \text{ /Hr.} \\
 \\
 & (3) \text{ Total FOG Costs: } (\text{Sum 7-b-(1), 7-b-(2)}) \quad = \$ .51 \text{ /Hr.}
 \end{aligned}$$

c. Repairs Cost:

$$\begin{aligned}
 & (1) \text{ Repair Factor:} \\
 & \quad (\text{Repairs Cost Factor}) \times (\text{EAF}) \times (\text{LAF From}) \\
 & \quad \text{From 1-b-(8)} \quad \text{From 4 APP. B} \\
 & \quad = (.60) \times (.042) \times (.94) \quad = .588 \\
 \\
 & (2) \text{ Hourly Repairs:} \\
 & \quad \text{Equipment} \\
 & \quad [(\text{Cost From}) - (\text{Tire Cost})] \times (\text{Repair Factor}) + (\text{From}) \\
 & \quad \text{2-c} \quad \underline{\text{Yr. of Mfg.}} \quad \text{From 7-c-(1)} \quad \text{1-b-(3)} \\
 & \quad = [(\$ 332,909) - (\$ 245)] \times (.588) + (.937 \text{ Hr}) \quad = \$ 10.60 \text{ /Hr.}
 \end{aligned}$$

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):

$$(1) \text{ Front Tires: } \frac{\text{Front}}{\text{Cost}} = \frac{1.5 \times (\text{Tires}) + [1.8 \times (\text{Ftr Frm}) \times (\text{Life Frm})]}{1-b-(7)} \text{ Tbl F-1}$$

$$= 1.5 \times (\underline{\underline{\underline{2720}}}) + [1.8 \times (\underline{\underline{\underline{.97}}}) \times (\underline{\underline{\underline{5000}}})] = \$ \underline{\underline{\underline{47}}} / \text{Hr.}$$

$$(2) \text{ Drive Tires: } \frac{\text{Drive}}{\text{Cost}} = \frac{1.5 \times (\text{Tires}) + [1.8 \times (\text{Dtr Frm}) \times (\text{Life Frm})]}{1-b-(7)} \text{ Tbl F-1}$$

$$= 1.5 \times (\underline{\underline{\underline{5440}}}) + [1.8 \times (\underline{\underline{\underline{.78}}}) \times (\underline{\underline{\underline{5000}}})] = \$ \underline{\underline{\underline{116}}} / \text{Hr.}$$

$$(3) \text{ Trailing Tires: } \frac{\text{Ttrg}}{\text{Cost}} = \frac{1.5 \times (\text{Tires}) + [1.8 \times (\text{Trl Frm}) \times (\text{Life Frm})]}{1-b-(7)} \text{ Tbl F-1}$$

$$= 1.5 \times (\underline{\underline{\underline{0}}}) + [1.8 \times (\underline{\underline{\underline{0}}}) \times (\underline{\underline{\underline{0}}})] = \$ \underline{\underline{\underline{0}}} / \text{Hr.}$$

$$(4) \text{ Total Tire Wear Cost: } (\text{Sum 7-d-(1) thru (3)}) = \$ \underline{\underline{\underline{163}}} / \text{Hr.}$$

$$\text{e. Tire Repair Cost: } (\text{Tire Wear Frm 7-d-(1) thru (4)}) \times 0.15$$

$$= (\underline{\underline{\underline{163}}}) \times 0.15 = \$ \underline{\underline{\underline{24}}} / \text{Hr.}$$

$$\text{f. Total Operating Costs: } (\text{Sum 7-a thru 7-e}) = \$ \underline{\underline{\underline{19.79}}} / \text{Hr.}$$

B. TOTAL HOURLY RATES

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

$$(\text{Ownership Costs Frm 6-c}) + (\text{Operating Costs Frm 7-e})$$

$$= (\underline{\underline{\underline{26.61}}}) + (\underline{\underline{\underline{19.79}}}) = \$ \underline{\underline{\underline{46.40}}} / \text{Hr.}$$

b. Hourly Rate for Other Work Shifts:

$$(\text{Depreciation}) + [(\text{CFC Frm}) \times 40 + (\text{Work Hrs})] + (\text{Operating Costs})$$

$$\text{From 6-a} \quad \text{6-b-(2)} \quad \text{Per Week} \quad \text{Frm 7-e}$$

$$= (\underline{\underline{\underline{14.18}}}) + [(\underline{\underline{\underline{12.43}}}) \times 40 + (\underline{\underline{\underline{60}}})] + (\underline{\underline{\underline{19.79}}}) = \$ \underline{\underline{\underline{42.26}}} / \text{Hr.}$$

c. Hourly Standby Rate:

$$(\text{Depreciation}) \times 0.25 + (\text{CFC Frm})$$

$$\text{From 6-a} \quad \text{6-b-(2)}$$

$$= (\underline{\underline{\underline{14.18}}}) \times 0.25 + (\underline{\underline{\underline{12.43}}}) = \$ \underline{\underline{\underline{15.98}}} / \text{Hr.}$$

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.

$$CFC = \frac{[(N-1)(1+S) + 2]}{2N} (9.90\%)$$

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
Hydraulic dredge, including hydraulic dredges used as Boosters:					
10-inch thru 14-inch	20	.05	4.75	5.43	10.18
16-inch thru 20-inch	25	.10	3.60	5.62	9.22
24-inch and over	30	.10	3.00	5.59	8.59
Booster & Barge:					
10-inch thru 14-inch	20	.05	4.75	5.43	10.18
16-inch thru 20-inch	25	.10	3.60	5.62	9.22
24-inch and over	30	.10	3.00	5.59	8.59
Dredge, Hopper	25	.10	3.60	5.62	9.22
Dredge, Hopper, split hull	20	.10	4.50	5.67	10.17
Dredge, clamshell/ dragline	20	.05	4.75	5.43	10.18
Dredge, Dipper/Hyd Excav	25	.05	3.80	5.39	9.19
Bucket Dredge	30	.10	3.00	5.59	8.59
Dump Scows	20	.05	4.75	5.43	10.18
Barges:					
Fuel	20	.05	4.75	5.43	10.18
Water	20	.05	4.75	5.43	10.18
Equipment or Work	20	.05	4.75	5.43	10.18
Derrick	20	.10	4.50	5.67	10.17
Anchor	20	.05	4.75	5.43	10.18
Drill Boat or Barge	20	.10	4.50	5.67	10.17
Mooring Barge	20	.05	4.75	5.43	10.18
Tugs	20	.10	4.50	5.67	10.17
Tenders	20	.10	4.50	5.67	10.17
Launches	12	.05	7.92	5.59	13.51
Shore Pipeline (Average)	3	0	33.33	6.60	39.93
Floating Line:					
Pontoon	15	0	6.67	5.28	11.95
Pipeline/Joints (Avg)	10	0	10.00	5.45	15.45

## 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 3180 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	SEVERE													
AGGREGATE SPREADER																	
ETNYRE - SELF-PROPELLED																	
1010	SPREAD TO 8" DEPTH & 10' WIDE	187 HP G	50,658	22.53		2.96	5.93	10.59	155								
1015	SPREAD TO 8" DEPTH & 13' WIDE	143 HP D	56,584	15.60		3.31	6.63	4.12	160								
AIR COMPRESSORS, PORTABLE																	
(HOSE NOT INCLUDED)																	
ROTARY SCREW																	
1030	SIZE 85 CFM QUIET 100 PST	43 HP G	9,715	5.93		0.57	1.09	3.15	21								
1035	SIZE 85 CFM QUIET 100 PSI	38 HP D	11,502	3.88		0.67	1.30	1.39	24								
1040	SIZE 100 CFM QUIET 100 PST	50 HP G	12,128	7.05		0.71	1.37	3.66	20								
1045	SIZE 100 CFM QUIET 100 PSI	44 HP D	14,551	4.72		0.86	1.65	1.61	26								
1050	SIZE 125 CFM QUIET 100 PSI	70 HP G	14,843	9.48		0.87	1.68	5.13	24								
1055	SIZE 125 CFM QUIET 100 PSI	51 HP D	15,788	5.27		0.93	1.79	1.86	26								
1060	SIZE 150 CFM QUIET 100 PSI	70 HP G	16,200	9.73		0.95	1.83	5.13	26								
1065	SIZE 150 CFM QUIET 100 PST	69 HP D	18,382	6.58		1.08	2.08	2.52	28								
1070	SIZE 185 CFM QUIET 100 PSI	70 HP G	16,725	9.83		0.99	1.90	5.13	27								
1075	SIZE 185 CFM QUIET 100 PSI	69 HP D	19,730	6.83		1.16	2.24	2.52	29								
1080	SIZE 275 CFM QUIET 100 PSI	94 HP D	29,405	9.78		1.73	3.34	3.43	55								
1085	SIZE 340 CFM QUIET 100 PSI	103 HP D	36,454	11.51		2.13	4.09	3.76	79								
1090	SIZE 450 CFM QUIET 100 PSI	152 HP D	47,240	15.77		2.77	5.33	5.54	89								
1095	SIZE 600 CFM QUIET 100 PSI	175 HP D	63,710	19.86		3.73	7.19	6.38	97								
1100	SIZE 750 CFM QUIET 100 PSI	228 HP D	73,870	24.20		4.32	8.35	8.32	128								
1105	SIZE 825 CFM QUIET 100 PSI	250 HP D	84,062	27.10		4.93	9.53	9.12	130								
1110	SIZE 900 CFM QUIET 100 PSI	270 HP D	92,107	29.51		5.40	10.44	9.85	148								
1115	SIZE 1000 CFM QUIET 100 PSI	283 HP D	102,950	32.09		6.04	11.68	10.32	186								
1120	SIZE 1200 CFM QUIET 100 PSI	325 HP D	123,159	37.77		7.23	13.99	11.86	196								
1125	SIZE 1600 CFM QUIET 100 PST	456 HP D	139,246	46.83		8.18	15.81	16.63	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							
<b>AIR EQUIPMENT</b>																
<b>(HOSE NOT INCLUDED)</b>																
<b>CLEMCO - SANDBLASTERS</b>																
1140	SCW-1042P SANDBLASTER 1/2" HOSE CAP. 100 LBS. W/ACC. AND 25' HOSE	1,394	0.91		0.13	0.34	0.00			3						
1145	SCW-1440P SANDBLASTER 1" HOSE CAP. 150 LBS W/ACC. AND 50' HOSE	2,604	1.65		0.25	0.63	0.00			5						
1150	SCWB-1648P SANDBLASTER 1" HOSE CAP. 300 LBS. W/ACC. AND 50' HOSE	2,630	1.67		0.25	0.64	0.00			6						
1155	SCWB-2452HPSANDBLASTER 1-1/4" HOS CAP. 600 LBS. W/ACC. AND 50' HOSE	2,922	1.92		0.28	0.71	0.00			7						
1160	SCH-3079 SANDBLASTER 1-1/4" PIPE CAP. 1400 LBS W/HOPPER & 50' HOSE	3,887	2.51		0.36	0.94	0.00			9						
1165	MOD 60-H SANDBLASTER 1-1/4" PIPE CAP. 3-TONS W/2 NOZZ. & 50' HOSE	11,295	7.07		1.05	2.67	0.00			28						
1170	MOD 120-H SANDBLASTER 1-1/4" PIPE CAP. 6-TONS W/3 NOZZ. & 50' HOSE	13,672	8.49		1.26	3.16	0.00			45						
1175	MOD 160-H SANDBLASTER 1-1/4" PIPE CAP. 8-TONS W/4 NOZZ. & 50' HOSE	16,990	10.60		1.56	3.95	0.00			53						
<b>GARDNER DENVER - TOOLS</b>																
1185	SPADER SP27E	32CFM A	990	0.67		0.09	0.24	0.00		1						
1190	SINKER DRILL S58	98CFM A	2,171	1.44		0.21	0.53	0.00		1						
1195	PAVING BREAKER B37	41CFM A	1,016	0.69		0.10	0.25	0.00		1						
1200	PAVING BREAKER B67C	46CFM A	1,089	0.73		0.11	0.27	0.00		1						
1205	PAVING BREAKER B87C	50CFM A	1,184	0.78		0.11	0.28	0.00		1						
1210	FEED LEG DRILL 3832-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,990	2.57		0.38	0.97	0.00		1						
<b>MASTER - CONCRETE VIBRATORS</b>																
1220	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	1,929	1.81		0.19	0.47	0.00		1						
1225	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,240	1.20		0.12	0.31	0.00		1						
1230	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,113	1.06		0.11	0.27	0.00		1						
1235	CONCRETE VIBR. MOD A-30010 3"	64CFM A	1,004	0.95		0.10	0.25	0.00		1						
1240	CONCRETE VIBR. MOD A-25010 2.5"	40CFM A	788	0.75		0.08	0.20	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	FUEL				
ASPHALT DISTRIBUTOR - ROSCO												
*****												
(NO CHASSIS)												
1250	MOD RES 1000 GAL. TRUCK MOUNTED 18,000 TO 24,000 GVW REQUIRED	45 HP G	25,273	9.36		1.49	3.01	3.30	72			
1255	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GVW REQUIRED	45 HP G	26,117	9.51		1.53	3.10	3.30	75			
1260	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GVW REQUIRED	45 HP G	27,911	9.88		1.64	3.32	3.30	87			
1265	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GVW REQUIRED	45 HP G	31,265	10.54		1.84	3.72	3.30	109			
ASPHALT FINISHERS												
*****												
SPW=STANDARD PAVING WIDTH												
BARBER-GREENE												
1275	MOD SB111 8' SPW (PNEUMATIC)	70 HP D	91,706	21.96		5.36	10.77	2.55	165			
1280	MOD SB131 10' SPW (PNEUMATIC) W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	95 HP D	145,678	34.24		8.49	16.99	3.47	258			
1285	MOD SB140 10' SPW (PNEUMATIC) OPTIONS SAME AS MOD SB131	130 HP D	162,103	39.22		9.47	18.96	4.74	325			
1290	MOD SA150 10' SPW (CRAWLER) OPTIONS SAME AS MOD SB131	130 HP D	193,025	45.21		11.37	22.98	4.74	375			
BLAW-KNOX												
1300	MOD PF-22 5' SPW (PNEUMATIC)	22 HP D	46,708	10.58		2.71	5.41	0.80	95			
1305	MOD PF-35 6' SPW (PNEUMATIC)	56 HP D	73,530	17.61		4.30	8.61	2.04	104			
1310	MOD PF-115 8' SPW (PNEUMATIC)	58 HP D	101,984	23.53		5.96	11.94	2.12	180			
1315	MOD PF-120H 8' SPW (PNEUMATIC)	87 HP D	127,335	30.14		7.42	14.81	3.17	240			
1320	MOD PF-180H 10' SPW (PNEUMATIC)	88 HP D	149,113	34.65		8.67	17.32	3.21	277			
1325	MOD PF-220 12' SPW (PNEUMATIC)	157 HP D	197,589	47.85		11.50	22.95	5.73	387			
1330	MOD PF-400 8' SPW (CRAWLER)	76 HP D	140,092	31.96		8.25	16.68	2.77	230			
1335	MOD PF-500 10' SPW (CRAWLER)	110 HP D	167,790	39.15		9.89	19.98	4.01	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	
<b>ASPHALT KETTLES - ROSCO</b> *****									
1345	MOD KB 110 GAL. TRAILER MOUNTED	3,629	1.84		0.24	0.50	0.00		13
1350	MOD KD 225 GAL. TRAILER MOUNTED	4,218	2.06		0.27	0.57	0.00		16
<b>ASPHALT RECYCLER - BOMAG</b> *****									
1360	MOD AR-6 TRAILER MOUNTED	8 HP G	9,980	4.67	0.64	1.37	0.59		21
<b>BROOMS - M-B</b> *****									
1370	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER		6,240	1.38	0.36	0.70	0.00		24
1375	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	21 HP G	8,084	3.48	0.48	0.92	1.54		30
1380	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		2,735	0.71	0.16	0.31	0.00		10
1385	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		4,242	0.93	0.25	0.48	0.00		14
<b>BRUSH CHIPPERS - FMC</b> *****									
1395	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	11,311	12.36		0.67	1.25	7.66		41
1400	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	12,378	12.59		0.73	1.35	7.66		45
<b>BUCKETS, CLAMSHELL</b> *****									
ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1410	.75 C.Y.	9,456	1.78	2.25	0.56	1.17	0.00	1.38	0.00
1415	1.0 C.Y.	11,049	2.07	2.63	0.66	1.36	0.00	1.61	0.00
1420	1.5 C.Y.	16,248	3.05	3.86	0.96	2.00	0.00	2.36	0.00
1425	2.0 C.Y.	18,379	3.45	4.37	1.08	2.26	0.00	2.67	0.00
1430	2.5 C.Y.	23,952	4.49	5.69	1.41	2.94	0.00	3.48	0.00
1435	3.0 C.Y.	25,368	4.75	6.02	1.49	3.11	0.00	3.68	0.00
1440	3.5 C.Y.	25,971	4.87	6.17	1.53	3.19	0.00	3.77	0.00

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL				
<b>BUCKETS, CLAMSHELL (CONT'D)</b>												
<b>ESCO - MODEL GPS</b>												
<b>GEN PURPOSE &amp; SQUARE NOSE (CONT'D)</b>												
1445	4.0 C.Y.	28,589	5.37	6.80	1.69	3.52	0.00	4.16	0.00	120		
1450	4.5 C.Y.	30,911	5.80	7.35	1.82	3.80	0.00	4.49	0.00	132		
1455	5.0 C.Y.	33,486	6.28	7.96	1.97	4.11	0.00	4.87	0.00	146		
1460	5.5 C.Y.	36,139	6.78	8.59	2.13	4.44	0.00	5.25	0.00	158		
1465	6.0 C.Y.	37,417	7.02	8.90	2.21	4.60	0.00	5.44	0.00	166		
1470	6.5 C.Y.	40,463	7.59	9.62	2.38	4.97	0.00	5.88	0.00	177		
1475	7.0 C.Y.	41,671	7.81	9.90	2.46	5.12	0.00	6.05	0.00	185		
1480	7.5 C.Y.	43,238	8.12	10.27	2.55	5.32	0.00	6.28	0.00	192		
<b>ESCO - MODEL HDS</b>												
<b>HEAVY DUTY &amp; SQUARE NOSE</b>												
1490	.75 C.Y.	9,899	1.85	2.34	0.58	1.21	0.00	1.43	0.00	35		
1495	1.0 C.Y.	13,403	2.51	3.19	0.79	1.64	0.00	1.95	0.00	49		
1500	1.5 C.Y.	19,489	3.65	4.63	1.15	2.39	0.00	2.83	0.00	74		
1505	2.0 C.Y.	21,029	3.94	4.99	1.24	2.58	0.00	3.05	0.00	82		
1510	2.5 C.Y.	26,728	5.02	6.35	1.58	3.29	0.00	3.88	0.00	105		
1515	3.0 C.Y.	29,228	5.48	6.94	1.72	3.59	0.00	4.24	0.00	116		
1520	3.5 C.Y.	31,528	5.92	7.49	1.86	3.88	0.00	4.58	0.00	126		
1525	4.0 C.Y.	33,885	6.36	8.05	2.00	4.17	0.00	4.92	0.00	137		
1530	4.5 C.Y.	36,376	6.82	8.65	2.15	4.47	0.00	5.29	0.00	147		
1535	5.0 C.Y.	40,033	7.51	9.52	2.36	4.92	0.00	5.82	0.00	163		
1540	5.5 C.Y.	42,236	7.92	10.03	2.49	5.19	0.00	6.13	0.00	172		
1545	6.0 C.Y.	44,681	8.38	10.62	2.63	5.49	0.00	6.49	0.00	182		
1550	6.5 C.Y.	46,576	8.73	11.06	2.74	5.72	0.00	6.76	0.00	193		
1555	7.0 C.Y.	48,513	9.11	11.53	2.87	5.97	0.00	7.05	0.00	201		
1560	7.5 C.Y.	50,436	9.46	11.99	2.98	6.20	0.00	7.33	0.00	209		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	AVERAGE	COND.						
					OWNER-SHIP	FUEL	OWNER-SHIP	FUEL						
<b>BUCKETS, CLAMSHELL (CONT'D)</b> *****														
ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE														
1570	.75 C.Y.	15,015	2.82	3.57	0.89	1.85	0.00	2.18	0.00	52				
1575	1.0 C.Y.	15,320	2.88	3.64	0.91	1.89	0.00	2.22	0.00	58				
1580	1.5 C.Y.	22,760	4.27	5.41	1.35	2.80	0.00	3.31	0.00	85				
1585	2.0 C.Y.	27,529	5.17	6.53	1.63	3.39	0.00	3.99	0.00	103				
1590	2.5 C.Y.	30,725	5.77	7.30	1.82	3.78	0.00	4.46	0.00	119				
1595	3.0 C.Y.	33,378	6.27	7.93	1.97	4.11	0.00	4.85	0.00	135				
1600	3.5 C.Y.	35,107	6.58	8.34	2.07	4.31	0.00	5.10	0.00	149				
1605	4.0 C.Y.	37,185	6.97	8.84	2.19	4.57	0.00	5.40	0.00	158				
1610	4.5 C.Y.	38,948	7.31	9.26	2.30	4.79	0.00	5.66	0.00	168				
1615	5.0 C.Y.	41,769	7.83	9.93	2.46	5.13	0.00	6.07	0.00	181				
1620	5.5 C.Y.	44,223	8.29	10.51	2.60	5.43	0.00	6.42	0.00	193				
1625	6.0 C.Y.	46,488	8.72	11.04	2.74	5.71	0.00	6.75	0.00	203				
1630	6.5 C.Y.	50,367	9.45	11.97	2.97	6.19	0.00	7.32	0.00	220				
1635	7.0 C.Y.	51,884	9.73	12.33	3.06	6.37	0.00	7.54	0.00	230				
1640	7.5 C.Y.	54,342	10.18	12.91	3.20	6.67	0.00	7.89	0.00	241				
<b>BUCKETS, CONCRETE - GAR-BRO</b> *****														
GENERAL PURPOSE & MANUAL														
1650	433-G 1.0 C.Y.	1,429	0.26		0.09	0.17	0.00		6					
1655	442-G 1.5 C.Y.	1,787	0.33		0.11	0.21	0.00		8					
1660	462-G 2.0 C.Y.	2,327	0.43		0.14	0.28	0.00		11					
1665	493-G 3.0 C.Y.	3,309	0.61		0.20	0.40	0.00		19					
1670	4123-G 4.0 C.Y.	4,185	0.77		0.25	0.50	0.00		23					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-	AVERAGE OWNER-	SEVERE OWNER-	COND. FUEL	COND. FUEL				
<b>BUCKETS, CONCRETE - GAR-BRO (CONT'D)</b>												
<b>*****</b>												
LOW SLUMP - AIR OPERATED GATE												
1680	440-A 1.0 C.Y.	6,190	1.14		0.37	0.74	0.00		19			
1685	450-A 1.5 C.Y.	6,445	1.19		0.38	0.77	0.00		21			
1690	460-A 2.0 C.Y.	6,692	1.23		0.40	0.80	0.00		23			
1695	493-A 3.0 C.Y.	8,792	1.62		0.52	1.05	0.00		42			
1700	4139-A 4.0 C.Y.	9,145	1.67		0.53	1.08	0.00		52			
1705	4200-A 6.0 C.Y. DBL. COMPT.	13,220	2.42		0.78	1.57	0.00		72			
1710	4250-A 8.0 C.Y. DBL. COMPT.	15,811	2.90		0.93	1.88	0.00		80			
LAYDOWN - HEAVY DUTY - AIR GATE												
1720	425-A 1.0 C.Y.	7,079	1.30		0.41	0.84	0.00		26			
1725	465-A 2.0 C.Y.	8,022	1.47		0.47	0.95	0.00		31			
1730	495-A 3.0 C.Y.	9,164	1.69		0.55	1.10	0.00		40			
1735	4125-A 4.0 C.Y.	10,203	1.88		0.61	1.22	0.00		49			
1740	4155-A 5.0 C.Y.	11,952	2.19		0.70	1.42	0.00		60			
BUCKETS, DRAGLINE												
<b>HENDRIX - MODEL LS</b>												
<b>LIGHT WEIGHT &amp; PERFORATED</b>												
1755	.75 C.Y.	3,180	0.60	0.75	0.19	0.39	0.00	0.46	0.00			
1760	1.0 C.Y.	3,771	0.70	0.90	0.22	0.46	0.00	0.55	0.00			
1765	1.5 C.Y.	4,610	0.86	1.10	0.27	0.56	0.00	0.67	0.00			
1770	2.0 C.Y.	5,449	1.02	1.29	0.33	0.67	0.00	0.79	0.00			
1775	2.5 C.Y.	6,399	1.20	1.52	0.38	0.79	0.00	0.93	0.00			
1780	3.0 C.Y.	7,890	1.48	1.88	0.47	0.97	0.00	1.15	0.00			
1785	3.5 C.Y.	8,727	1.63	2.08	0.52	1.07	0.00	1.27	0.00			
1790	4.0 C.Y.	10,637	2.00	2.52	0.63	1.31	0.00	1.54	0.00			
1795	4.5 C.Y.	11,295	2.12	2.68	0.67	1.39	0.00	1.64	0.00			
1800	5.0 C.Y.	13,634	2.55	3.24	0.80	1.67	0.00	1.98	0.00			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP										
			AVERAGE	SEVERE															
<b>BUCKETS, DRAGLINE (CONT'D)</b>																			
<b>*****</b>																			
<b>HENDRIX - MODEL LS LIGHT WEIGHT &amp; PERFORATED (CONT'D)</b>																			
1805	6.0 C.Y.	14,778	2.78	3.51	0.88	1.82	0.00	2.14	0.00	90									
1810	7.0 C.Y.	16,162	3.04	3.84	0.96	1.99	0.00	2.35	0.00	101									
1815	8.0 C.Y.	17,917	3.36	4.26	1.05	2.20	0.00	2.60	0.00	112									
1820	9.0 C.Y.	20,692	3.88	4.92	1.22	2.54	0.00	3.01	0.00	128									
1825	10.0 C.Y.	22,483	4.22	5.35	1.33	2.77	0.00	3.27	0.00	139									
1830	12.0 C.Y.	27,633	5.19	6.56	1.63	3.40	0.00	4.01	0.00	166									
1835	14.0 C.Y.	31,774	5.96	7.56	1.88	3.91	0.00	4.62	0.00	191									
<b>HENDRIX - MODEL TS, MEDIUM WEIGHT</b>																			
1845	.75 C.Y.	3,705	0.70	0.87	0.22	0.46	0.00	0.53	0.00	17									
1850	1.0 C.Y.	4,551	0.85	1.09	0.27	0.56	0.00	0.67	0.00	19									
1855	1.5 C.Y.	5,619	1.05	1.34	0.33	0.69	0.00	0.82	0.00	28									
1860	2.0 C.Y.	6,705	1.25	1.59	0.39	0.82	0.00	0.97	0.00	36									
1865	2.5 C.Y.	7,727	1.45	1.83	0.46	0.95	0.00	1.12	0.00	41									
1870	3.0 C.Y.	9,237	1.74	2.19	0.55	1.14	0.00	1.34	0.00	49									
1875	3.5 C.Y.	10,203	1.91	2.42	0.60	1.25	0.00	1.48	0.00	54									
1880	4.0 C.Y.	12,253	2.29	2.91	0.72	1.50	0.00	1.78	0.00	70									
1885	4.5 C.Y.	13,104	2.46	3.12	0.77	1.61	0.00	1.91	0.00	72									
1890	5.0 C.Y.	16,797	3.15	3.99	0.99	2.06	0.00	2.44	0.00	93									
1895	6.0 C.Y.	17,357	3.25	4.12	1.02	2.13	0.00	2.52	0.00	96									
1900	7.0 C.Y.	19,814	3.72	4.71	1.17	2.44	0.00	2.88	0.00	111									
1905	8.0 C.Y.	21,815	4.09	5.18	1.29	2.68	0.00	3.16	0.00	122									
1910	9.0 C.Y.	26,119	4.90	6.20	1.54	3.21	0.00	3.79	0.00	149									
1915	10.0 C.Y.	27,814	5.22	6.61	1.64	3.42	0.00	4.04	0.00	159									
1920	12.0 C.Y.	35,449	6.64	8.42	2.09	4.35	0.00	5.15	0.00	202									
1925	14.0 C.Y.	39,473	7.41	9.39	2.33	4.86	0.00	5.74	0.00	225									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL				
BUCKETS, DRAGLINE (CONT'D)												
*****												
HENDRIX - MODEL MH-S, HEAVY WEIGHT												
1935	2.75 C.Y.	14,810	2.78	3.52	0.88	1.82	0.00	2.15	0.00	69		
1940	3.0 C.Y.	15,401	2.89	3.66	0.91	1.89	0.00	2.24	0.00	72		
1945	3.5 C.Y.	17,244	3.24	4.10	1.02	2.12	0.00	2.51	0.00	81		
1950	4.0 C.Y.	23,067	4.33	5.48	1.36	2.84	0.00	3.35	0.00	110		
1955	4.5 C.Y.	25,789	4.84	6.13	1.52	3.17	0.00	3.75	0.00	123		
1960	5.0 C.Y.	26,631	4.99	6.33	1.57	3.27	0.00	3.87	0.00	127		
1965	6.0 C.Y.	28,516	5.34	6.77	1.68	3.50	0.00	4.14	0.00	136		
1970	7.0 C.Y.	36,258	6.79	8.61	2.13	4.45	0.00	5.26	0.00	175		
1975	8.0 C.Y.	37,292	6.99	8.86	2.20	4.58	0.00	5.41	0.00	180		
1980	9.0 C.Y.	47,432	8.89	11.26	2.79	5.82	0.00	6.88	0.00	234		
1985	10.0 C.Y.	49,255	9.24	11.71	2.90	6.05	0.00	7.16	0.00	243		
1990	12.0 C.Y.	58,582	10.98	13.92	3.45	7.19	0.00	8.51	0.00	289		
1995	14.0 C.Y.	62,385	11.70	14.82	3.68	7.67	0.00	9.06	0.00	309		
SAUERMAN - CRESCENT SCRAPER												
WITH DRAGLINE CONVERSION KIT												
2005	SC-1050-K 1.0 C.Y.	10,052	1.89	2.39	0.60	1.24	0.00	1.46	0.00	15		
2010	SC-1060-K 1.5 C.Y.	12,874	2.41	3.06	0.76	1.58	0.00	1.87	0.00	20		
2015	SC-1070-K 2.0 C.Y.	17,646	3.30	4.19	1.04	2.16	0.00	2.56	0.00	25		
2020	SC-1090-K 3.0 C.Y.	23,343	4.38	5.55	1.38	2.87	0.00	3.39	0.00	36		
2025	SC-1100-K 4.0 C.Y.	34,893	6.54	8.29	2.05	4.28	0.00	5.07	0.00	49		
2030	SC-1110-K 5.0 C.Y.	39,786	7.46	9.46	2.35	4.89	0.00	5.78	0.00	58		
2035	SC-1120-K 6.0 C.Y.	48,221	9.04	11.46	2.84	5.92	0.00	7.01	0.00	68		
2040	SC-1130-K 8.0 C.Y.	58,586	10.98	13.92	3.45	7.19	0.00	8.51	0.00	88		
2045	SC-1140-K 10.0 C.Y.	71,083	13.33	16.90	4.19	8.73	0.00	10.33	0.00	106		
2050	SC-1150-K 12.0 C.Y.	82,465	15.46	19.60	4.86	10.13	0.00	11.98	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.	SEVERE COND.	OWNER-SHIP	FUEL	
<b>COMPACTORS, MANUALLY OPERATED</b> *****									
2060	JUR-12 INGERSOLL-RAND RAMMER	3 HP G	1,648	0.93	0.13	0.29	0.30		1
2065	GVR75Y WACKER RAMMER	3 HP G	1,298	0.80	0.09	0.22	0.30		1
2070	GVR100 WACKER RAMMER	5 HP G	1,761	1.22	0.13	0.30	0.51		1
2075	GVR151Y WACKER RAMMER	5 HP G	2,280	1.40	0.18	0.40	0.51		2
2080	GVR220Y WACKER RAMMER	6 HP G	2,945	1.75	0.22	0.51	0.61		2
2085	VPG160B WACKER VIBRO PLATE	3 HP G	1,141	0.76	0.09	0.20	0.30		2
2090	VPG260K WACKER VIBRO PLATE	7 HP G	1,786	1.48	0.13	0.31	0.71		3
2095	BT-50 BOMAG TAMPING	4 HP G	1,711	1.08	0.13	0.30	0.40		1
2100	BT-70 BOMAG TAMPING	4 HP G	2,133	1.22	0.16	0.37	0.40		2
2105	BP-11K BOMAG VIBRO PLATE	4 HP G	1,465	0.99	0.11	0.25	0.40		3
2110	BP-19/75 BOMAG VIBRO PLATE	5 HP D	3,035	1.34	0.23	0.53	0.25		4
2115	BP-30 BOMAG VIBRO PLATE	5 HP D	5,207	2.07	0.39	0.91	0.25		5
2120	BP-50 BOMAG VIBRO PLATE	5 HP D	9,099	3.38	0.68	1.58	0.25		9
2125	BW-75E BOMAG WALK BEHIND S/D	5 HP D	7,037	2.69	0.52	1.22	0.25		10
2130	BW-35 BOMAG WALK BEHIND D/D	4 HP D	8,740	3.19	0.65	1.51	0.20		11
2135	BW-60SE BOMAG D/D ROLLER	8 HP D	12,109	4.61	0.91	2.11	0.41		20
2140	BW-90SE BOMAG D/D ROLLER	13 HP D	15,016	5.90	1.13	2.61	0.66		30
2145	VPG600 WACKER VIBRO PLATE	9 HP G	3,358	2.26	0.25	0.58	0.91		7
2150	DPS2350 WACKER VIBRO PLATE	7 HP D	3,549	1.65	0.27	0.62	0.36		4
2155	DPS4570 WACKER VIBRO PLATE	10 HP D	5,697	2.56	0.43	0.99	0.51		8
2160	DVU4001 WACKER VIBRO PLATE	10 HP D	11,657	4.57	0.88	2.03	0.51		13
2165	W 55 T WACKER D/D ROLLER	8 HP D	11,217	4.30	0.84	1.95	0.41		11
2170	W 74 T WACKER D/D ROLLER	8 HP D	12,656	4.79	0.95	2.20	0.41		19
<b>CONCRETE BUGGIES - AEROTL</b> *****									
2180	5 CF WALK-BEHIND	5 HP G	1,543	0.98	0.11	0.26	0.39		3

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWI
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	
CONCRETE FINISHERS - BOMAG									
2190	MOD F46B4 GYRO TROWEL	7 HP G	1,456	1.17	0.11	0.25	0.55		2
2195	MOD RF2B4 DOUBLTROWEL	16 HP G	5,743	3.41	0.43	1.00	1.26		7
2200	MOD RF3B3 TRIPLTROWEL	16 HP G	7,406	3.92	0.56	1.29	1.26		9
CONCRETE MIXERS									
2210	PORTABLE CONCRETE MIXER 2.5 CF	1 HP E	648	0.28	0.05	0.10	0.06		2
2215	PORTABLE CONCRETE MIXER 3.5 CF	1 HP E	666	0.28	0.05	0.10	0.06		3
2220	PORTABLE CONCRETE MIXER 6.0 CF	7 HP G	1,994	1.32	0.14	0.32	0.55		7
2225	PORTABLE MORTAR MIXER 6.0 CF	7 HP G	1,599	1.21	0.12	0.26	0.55		6
CONCRETE PAVERS									
CMI									
2235	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANES, AND SIDEWALKS	142 HP D	131,460	33.28	7.75	15.65	5.18		263
2240	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP D	232,605	56.88	13.71	27.70	7.59		470
2245	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	410,737	94.96	24.20	48.91	9.12		720
GOMACO									
2255	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP G	26,780	11.72	1.57	3.17	4.76		91
2260	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	119,771	28.95	7.05	14.26	3.65		240
CONCRETE PLACERS, SHOTCRETE									
ALLENTOWN									
2270	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP D	23,708	6.61	1.52	3.12	0.65		45
2275	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP D	26,380	7.83	1.69	3.50	1.08		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)									
2280	GM27 ROTARY GUN 1-4 CY/HR INCL. HOSE, REQ. 400 CFM COMP.	400CFM A	9,818	2.60		0.64	1.32	0.00	15
2285	GM57 ROTARY GUN 4-12 CY/HR INCL. HOSE, REQ. 600 CFM COMP.	600CFM A	15,778	4.16		1.02	2.11	0.00	30
CHALLENGE SQUEEZ-CRETE									
2295	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP D	42,560	14.65		2.74	5.67	3.33	70
<b>CONCRETE PUMPS</b>									
<b>*****</b>									
MORGEN									
2305	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	54,267	20.82			3.49	7.23	5.91	70
2310	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	138,410	50.27			8.88	18.37	12.82	255
SCHWING									
2320	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	48,040	16.34			3.09	6.40	3.60	66
2325	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	75,148	28.80			4.81	9.95	8.17	98
2330	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	77,213	29.31			4.95	10.23	8.17	98
2335	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	146,443	49.55			9.35	19.26	10.68	302
2340	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	213,191	65.85			13.65	28.17	10.68	321
2345	MOD BPL1201 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	265,363	83.64			16.98	35.04	14.59	408
2350	MOD BPL3000 TRUCK MTD 118 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	268,459	84.39			17.18	35.45	14.59	403

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	SEVERE FUEL				
CONCRETE SAWS												
*****												
FELKER (SAWBLADE WEAR NOT INCLUDED)												
2360	MOD 8KCC	5" DEPTH OF CUT 8 HP G	1,249	1.38	0.08	0.17	0.81		3			
2365	MOD 12WCC	5" DEPTH OF CUT 12 HP G	1,438	1.96	0.10	0.20	1.21		3			
2370	MOD 14TCC	5" DEPTH OF CUT 14 HP G	1,490	2.24	0.10	0.21	1.41		3			
2375	MOD 140MR	8" DEPTH OF CUT 14 HP G	3,401	2.72	0.23	0.48	1.41		6			
2380	MOD 185MR	8" DEPTH OF CUT 18 HP G	4,496	3.52	0.29	0.62	1.82		7			
2385	MOD 250MR	8" DEPTH OF CUT 23 HP G	4,566	4.20	0.29	0.63	2.32		7			
2390	MOD 30MCA	10" DEPTH OF CUT 30 HP G	7,576	5.89	0.49	1.05	3.03		12			
2395	MOD 665MCA	15" DEPTH OF CUT 65 HP G	9,271	10.99	0.60	1.29	6.57		14			
CRANES, SHOVEL, BACKHOE, DRAGLTNE												
*****												
AMERICAN - CRAWLER TYPE												
MOD 4120 DRAGLINE 1 CY 93 HP D 13'-7" CRAWLERS W/28" SHOES												
2405	DRAGLINE OR CLAMSHELL (LESS BUCKET)		179,788	32.21	39.35	9.88	18.77	2.68	21.26	3.39	635	
MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES												
2410	DRAGLINE OR CLAMSHELL (LESS BUCKET)		245,761	38.97	45.93	12.53	22.26	3.28	24.35	4.16	814	
2415	CRANE 35-T W/65' BOOM		253,434	35.98	41.53	12.92	22.95	2.63	25.11	3.39	803	
MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES												
2425	CRANE 40-T W/75' BOOM		268,239	37.90	43.72	13.68	24.29	2.63	26.58	3.39	962	
MOD 5299-A LIFTING CRANE T/C 114 HP D 17'-6" CRAWLERS W/32" SHOES												
2435	CRANE 50-T W/75' BOOM		283,474	39.89	45.98	14.46	25.68	2.63	28.09	3.39	1088	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>CRANES, SHOVEL,B/H,DRAGLINE (CONT'D)</b>														
<b>AMERICAN - CRAWLER TYPE (CONT'D)</b>														
MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES														
2445	DRAGLINE OR CLAMSHELL (LESS BUCKET)	341,849	54.53	64.29	17.43	30.96	4.84	33.87	6.13	1278				
2450	CRANE 40-T W/75' BOOM	334,857	48.02	55.48	17.08	30.33	3.87	33.18	5.00	1262				
MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES														
2460	CRANE 60-T W/80' BOOM	356,829	47.19	53.37	17.25	29.02	3.87	31.08	5.00	1421				
MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES														
2470	CRANE 100T W/200' BOOM	454,129	58.81	66.32	21.96	36.94	3.87	39.56	5.00	1886				
MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES														
2480	CRANE 110-T W/200' BOOM	597,163	79.12	89.53	28.88	48.57	6.61	52.02	8.54	2792				
MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES														
2490	CRANE 125T W/270' BOOM	623,143	82.22	92.98	30.13	50.68	6.61	54.28	8.54	3150				
2495	DRAGLINE OR CLAMSHELL (LESS BUCKET)	597,522	86.73	99.85	29.29	47.70	8.27	50.91	10.47	2950				
MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES														
2505	CRANE 150T W/280' BOOM	707,641	92.32	104.22	34.22	57.56	6.61	61.64	8.54	3400				
MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES														
2515	CRANE 165T W/290' BOOM	736,220	92.24	102.90	35.18	55.59	6.61	58.76	8.54	3580				
MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES														
2525	CRANE 225T W/280' BOOM	796,106	99.11	110.45	38.04	60.11	6.61	63.54	8.54	3990				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND-	AVERAGE	SEVERE	BY	OWNER-				
<b>CRANES, SHOVEL,B/H,DRAGLINE (CONT'D)</b> *****												
BUCYRUS ERIE - CRAWLER TYPE												
	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES											
2540	DRAGLINE OR CLAMSHELL (LESS BUCKET)	188,648	34.38	42.06	10.36	19.69	3.31	22.31	4.20	647		
2545	CRANE 28-T W/50' BOOM	199,511	29.02	33.58	10.17	18.07	2.65	19.77	3.42	651		
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES											
2555	BACKHOE	260,536	56.94	72.44	15.35	30.81	4.84	36.22	6.36	792		
2560	DRAGLINE OR CLAMSHELL (LESS BUCKET)	255,928	41.45	48.92	13.05	23.18	4.15	25.36	5.25	833		
2565	CRANE 35-T W/60' BOOM	257,187	37.29	43.14	13.11	23.29	3.32	25.48	4.29	831		
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES											
2575	SHOVEL	363,231	78.48	99.81	21.39	42.95	5.98	50.50	7.86	1279		
2580	DRAGLINE OR CLAMSHELL (LESS BUCKET)	369,315	58.80	69.31	18.83	33.45	5.13	36.60	6.49	1192		
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES											
2590	SHOVEL	526,794	103.45	126.67	28.83	56.61	6.89	64.38	9.05	1762		
2595	BACKHOE	504,385	99.39	121.74	27.61	54.20	6.89	61.64	9.05	1727		
2600	DRAGLINE OR CLAMSHELL (LESS BUCKET)	510,120	72.67	83.53	25.00	40.72	5.90	43.46	7.48	1570		
2605	CRANE 51-T W/70' BOOM	502,069	65.54	74.00	24.28	40.84	4.72	43.74	6.10	1571		
	MOD 61-B SER-2 110-T 4 CY T/C 243 HP D 20'-6" CRAWLERS W/42" SHOES											
2615	CRANE 110T W/160' BOOM	624,658	81.22	91.63	30.21	50.81	5.60	54.41	7.23	2123		
2620	DRAGLINE OR CLAMSHELL (LESS BUCKET)	596,392	85.08	97.79	29.23	47.60	7.00	50.81	8.86	1973		
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES											
2630	SHOVEL	637,679	125.14	153.23	34.90	68.52	8.27	77.93	10.86	2096		
2635	BACKHOE	603,700	118.99	145.75	33.04	64.87	8.27	73.78	10.86	2000		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT	
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL		
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D)									
	BUZYRUS ERIE - CRAWLER TYPE (CONT'D)									
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2640	DRAGLINE OR CLAMSHELL (LESS BUCKET)	587,011	83.97	96.56	28.77	46.85	7.08	50.02	8.97	1768
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES									
2650	SHOVEL	889,901	169.23	194.57	46.03	86.25	12.26	95.62	16.12	2822
2655	DRAGLINE OR CLAMSHELL (LESS BUCKET)	718,695	101.88	116.11	34.34	54.27	10.51	57.36	13.32	2274
	LINK BELT - CRAWLER TYPE									
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/24" SHOES									
2670	CRANE 40-T W/50' BOOM	194,877	28.28	32.72	9.94	17.65	2.53	19.31	3.27	772
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES									
2680	CRANE 60-T W/80' BOOM	297,137	39.97	45.32	14.37	24.17	3.80	25.88	4.91	1232
	MOD LS-338 LIFTING CRANE T/C 170 HP D 20'-0" CRAWLERS W/38" SHOES									
2690	CRANE 100-T W/200' BOOM	409,735	53.57	60.48	19.82	33.33	3.92	35.69	5.06	1512
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W/44" SHOES									
2700	CRANE 150-T W/250' BOOM	654,230	84.80	95.64	31.63	53.21	5.64	56.99	7.29	2712
	MANITOWOC - CRAWLER TYPE									
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES									
2715	DRAGLINE OR CLAMSHELL (LESS BUCKET)	427,846	64.87	75.00	20.97	34.15	8.27	36.45	10.47	2306
2720	CRANE 100T W/210' BOOM	463,362	63.15	71.72	22.41	37.69	6.61	40.36	8.54	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			
<b>CRANES, SHOVEL, B/H, DRAGLINE (CONT'D)</b>												
<b>*****</b>												
<b>MANITOWOC - CRAWLER TYPE (CONT'D)</b>												
MOD 3900W VICON SER2 4 CY T/C 333 HP D 24'-0" CRAWLERS W/48" SHOES												
2730	DRAGLINE OR CLAMSHELL (LESS BUCKET)	544,977	81.52	94.15	26.71	43.50	9.59	46.44	12.15	2763		
2735	CRANE 140T W/250' BOOM	551,948	74.97	85.12	26.69	44.89	7.67	48.08	9.91	2815		
MOD 4100W VICON SER1 5 CY I/C 360 HP D 26'-6" CRAWLERS W/48" SHOES												
2745	DRAGLINE OR CLAMSHELL (LESS BUCKET)	724,780	105.60	121.62	35.52	57.85	10.37	61.75	13.13	3788		
2750	CRANE 200T W/260' BOOM	733,451	93.91	105.12	35.04	55.38	8.29	58.54	10.71	3929		
MOD 4600 VICON SERIES 1 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES												
2760	CRANE 240T W/260' BOOM	1,128,437	148.05	166.33	53.91	85.20	15.78	90.06	20.39	5095		
2765	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,149,729	166.42	190.10	54.94	86.82	19.73	91.77	24.99	5083		
<b>NORTHWEST - CRAWLER TYPE</b>												
MOD 50-D 1.5 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES												
2780	DRAGLINE OR CLAMSHELL (LESS BUCKET)	256,409	44.70	53.04	13.07	23.22	6.85	25.41	8.68	954		
2785	CRANE 45-T W/60' BOOM	253,540	39.37	45.90	12.93	22.96	5.48	25.13	7.08	947		
MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES												
2795	SHOVEL	431,472	95.27	121.25	25.41	51.02	8.84	59.99	11.61	1510		
2800	DRAGLINE OR CLAMSHELL (LESS BUCKET)	370,253	61.82	73.11	18.89	33.54	7.57	36.68	9.59	1274		
2805	CRANE 40-T W/50' BOOM	366,280	54.69	63.47	18.68	33.18	6.06	36.29	7.83	1267		
MOD 9570 4.0 CY T/C 263 HP D 19'-0" CRAWLERS W/38" SHOES												
2815	DRAGLINE OR CLAMSHELL (LESS BUCKET)	462,677	68.53	79.07	22.67	36.93	7.57	39.42	9.59	1580		
2820	CRANE 60-T W/50' BOOM	458,681	61.94	70.26	22.18	37.31	6.06	39.95	7.83	1565		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>CRANES, SHOVEL, B/H, DRAGLINE (CONT'D)</b>														
*****														
NORTHWEST - CRAWLER TYPE (CONT'D)														
MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES														
2830	SHOVEL	713,904	143.37	175.86	39.07	76.71	12.03	87.25	15.81	2571				
2835	DRAGLINE OR CLAMSHELL (LESS BUCKET)	643,316	95.04	109.61	31.53	51.35	10.31	54.81	13.06	2365				
2840	CRANE 97.5-T W/170' BOOM	666,079	89.29	101.18	32.21	54.18	8.25	58.02	10.65	2464				
MOD 190-D WT SERIES 3 T/C 430 HP D 21'-1" CRAWLERS W/54" SHOES														
2850	DRAGLINE 6.5 CY (LESS BUCKET)	678,020	99.03	113.23	32.40	51.20	12.38	54.12	15.69	2740				
2855	CRANE 100-T W/170' BOOM	720,686	97.77	110.97	34.85	58.62	9.91	62.77	12.80	2872				
P & H - CRAWLER TYPE														
MOD 5060 1.75 CY T/C 140 HP D 19'-8" CRAWLERS W/30" SHOES														
2870	DRAGLINE (LESS BUCKET)	296,157	47.06	55.46	15.10	26.82	4.03	29.34	5.11	989				
2875	CRANE 60-T W/80' BOOM	301,129	39.77	44.98	14.56	24.49	3.23	26.23	4.17	1157				
MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES														
2885	DRAGLINE OR CLAMSHELL (LESS BUCKET)	369,406	59.48	70.18	18.83	33.45	5.70	36.60	7.22	1344				
2890	CRANE 70-T W/150' BOOM	378,975	50.65	57.37	18.33	30.83	4.56	33.01	5.89	1466				
MOD 5100 3 CY T/C 236 HP D 21'-6" CRAWLERS W/36" SHOES														
2895	DRAGLINE OR CLAMSHELL (LESS BUCKET)	444,546	65.28	75.25	21.79	35.48	6.80	37.87	8.61	1775				
2900	CRANE 100-T W/210' BOOM	460,524	61.43	69.54	22.27	37.46	5.44	40.11	7.02	1850				
MOD 5300A LIFTING CRANE T/C 378 HP D 32'-8" CRAWLERS W/48" SHOES														
2905	CRANE 300-T W/320' BOOM	1,379,791	168.54	187.24	65.92	104.18	8.71	110.13	11.25	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 COND.	SEVERE COND.	OWNERSHIP	FUEL				
<b>CRANES, HYDRAULIC SELF-PROPELLED</b>												
<b>GROVE</b>												
2915	MOD RT58A	14 TON	112 HP D	106,168	19.63		5.25	9.00	4.09			
2920	MOD RT515	15 TON	115 HP D	113,914	20.78		5.64	9.68	4.20			
2925	MOD RT518	18 TON	115 HP D	128,861	22.94		6.36	10.89	4.20			
2930	MOD RT522	22 TON	115 HP D	141,031	24.56		6.97	11.94	4.20			
2935	MOD RT625	25 TON	156 HP D	187,657	32.20		9.28	15.92	5.69			
2940	MOD RT740	40 TON	170 HP D	261,644	43.77		12.90	22.06	6.20			
2945	MOD RT755	55 TON	170 HP D	312,395	50.93		15.38	26.25	6.20			
2950	MOD RT865	65 TON	208 HP D	384,342	62.23		18.96	32.44	7.59			
2955	MOD RT980	80 TON	230 HP D	496,314	79.02		24.44	41.70	8.39			
2960	MOD RT1650	165 TON	512 HP D	936,883	151.91		46.22	79.09	18.68			
<b>LORAIN</b>												
2970	MOD LRT150	15 TON	120 HP D	109,805	20.25		5.45	9.41	4.38			
2975	MOD LRT180	18 TON	120 HP D	118,278	21.35		5.88	10.15	4.38			
2980	MOD LRT220	22 TON	120 HP D	126,529	22.42		6.29	10.87	4.38			
<b>P &amp; H</b>												
2990	MOD OMEGA 15	15 TON	125 HP D	111,080	20.65		5.52	9.53	4.56			
2995	MOD OMEGA 18	18 TON	125 HP D	114,212	21.05		5.68	9.80	4.56			
3000	MOD OMEGA 20	20 TON	125 HP D	118,203	21.58		5.88	10.15	4.56			
3005	MOD OMEGA 23	23 TON	125 HP D	133,841	23.87		6.63	11.40	4.56			
3010	MOD OMEGA 25	25 TON	155 HP D	171,137	30.33		8.47	14.55	5.65			
3015	MOD OMEGA 30	30 TON	155 HP D	176,201	31.00		8.72	15.00	5.65			
3020	MOD OMEGA 35	35 TON	155 HP D	182,197	31.78		9.03	15.52	5.65			
3025	MOD OMEGA 40	40 TON	202 HP D	245,342	43.13		12.08	20.63	7.37			
3030	MOD OMEGA 45	45 TON	202 HP D	253,982	44.26		12.52	21.39	7.37			
3035	MOD OMEGA 50	50 TON	202 HP D	263,480	45.50		13.00	22.22	7.37			
3040	MOD OMEGA 65	65 TON	235 HP D	339,661	57.68		16.72	28.54	8.57			

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				
<b>CRANES, HYD SELF-PROPELLED (CONT'D)</b>												
<b>PETTIBONE</b>												
3050	MOD 16 MK P SERIES	8 TON	118 HP D	98,873	18.66		4.91	8.49	4.30			
3055	MOD 20 MK P SERIES	10 TON	118 HP D	102,145	19.16		5.07	8.75	4.30			
3060	MOD 25 MK P SERIES	12.5 TON	118 HP D	105,288	19.56		5.23	9.02	4.30			
3065	MOD 36 MK P SERIES	18 TON	118 HP D	121,506	21.93		6.01	10.32	4.30			
3070	MOD 100SC	50 TON	188 HP D	275,412	46.40		13.59	23.26	6.86			
<b>CRANES, HYDRAULIC TRUCK MOUNTED (HP &amp; FUEL LISTED EQUIP/CARRIER)</b>												
<b>BUCYRUS ERIE</b>												
3080	30-XC	30 TON W/80' BOOM	130/210 HP D/D	201,980	31.25	36.14	9.72	16.21	6.12			
3085	60-XC	60 TON W/104' BOOM	197/238 HP D/D	351,354	51.70	59.59	16.93	28.31	8.74			
<b>GROVE</b>												
3095	TMS185	18 TON W/106' BOOM	172 HP D	189,593	31.58	37.44	9.63	17.00	6.27			
3100	TMS300	35 TON W/112' BOOM	203 HP D	229,109	36.09	42.15	11.01	18.37	7.41			
3105	TMS475	50 TON W/142' BOOM	213 HP D	285,435	42.97	49.91	13.74	22.95	7.77			
3110	TM875	80 TON W/146' BOOM	196/268 HP D/D	423,170	59.93	68.37	19.75	31.83	8.90			
3115	TM1150	115 TON W/172' BOOM	196/315 HP D/D	651,516	85.67	96.71	30.49	49.35	9.21			
3120	TM1400	140 TON W/173' BOOM	318/387 HP D/D	765,424	103.24	116.56	35.00	55.09	14.13			
<b>LINK BELT (PMC)</b>												
3130	HTC-25	25 TON W/95' BOOM	216 HP D	187,498	33.42	39.90	9.51	16.78	7.88			
3135	HTC-35	35 TON W/108' BOOM	216 HP D	219,936	35.46	41.58	10.59	17.70	7.88			
3140	HTC-50	50 TON W/122' BOOM	244 HP D	268,368	42.35	49.49	12.92	21.60	8.90			
<b>PETTIBONE</b>												
3150	50TKLSPC	25 TON W/98' BOOM	210 HP D	193,581	33.82	40.31	9.83	17.36	7.66			
3155	80TKLS	40 TON W/112' BOOM	244 HP D	247,019	39.98	46.88	11.88	19.84	8.90			
3160	110 TK P	55 TON W/114' BOOM	238 HP D	267,496	42.04	49.10	12.87	21.50	8.68			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNERSHIP	FUEL	OWNERSHIP				
<b>CRANES, HYDRAULIC TRUCK MTD (CONT'D)</b>													
<b>*****</b>													
<b>(HP &amp; FUEL LISTED EQUIP/CARRIER)</b>													
<b>PETTIBONE (CONT'D)</b>													
3165	160TKLSPC80 TON W/118' BOOM 365 HP D	433,304	66.62	77.26	20.23	32.61	13.32	34.54	17.52	1395			
<b>CRANES, TRUCK MOUNTED</b>													
<b>*****</b>													
<b>(HP &amp; FUEL LISTED EQUIP/CARRIER)</b>													
<b>AMERICAN</b>													
3175	5470 65 TON W/170' BOOM 115/238 HP D/D	363,801	49.84	56.86	17.47	29.12	5.75	31.16	7.34	1175			
3180	5530 75 TON W/170' BOOM 115/238 HP D/D	374,862	50.01	56.54	17.52	28.33	5.75	30.02	7.34	1245			
3185	7460 90 TON W/200' BOOM 213/230 HP D/D	460,250	63.93	72.81	21.55	34.89	9.27	36.97	11.98	1503			
3190	7530 125 TON W/220' BOOM 213/350 HP D/D	526,582	72.61	82.48	24.64	39.86	10.06	42.24	12.89	1696			
3195	8460 165 TON W/240' BOOM 268/350 HP D/D	736,620	96.69	108.70	33.73	53.24	12.07	56.97	15.53	2320			
3200	9460 220 TON W/260' BOOM 287/450 HP D/D	989,758	127.90	143.42	45.21	71.05	13.41	74.68	17.21	3480			
<b>LINK BELT (FMC)</b>													
3210	HC108C 50 TON W/150' BOOM 110/238 HP D/D	308,689	43.32	49.56	14.81	24.63	5.57	26.36	7.10	1197			
3215	HC218A 100 TON W/220' BOOM 165/318 HP D/D	507,265	67.80	76.67	23.74	38.44	8.10	40.73	10.35	1688			
3220	HC238A 140 TON W/230' BOOM 171/318 HP D/D	571,547	74.04	82.99	26.15	41.20	8.32	43.31	10.63	2220			
<b>LORATN</b>													
3230	MC550A 50 TON W/160' BOOM 115/246 HP D/D	332,909	46.39	53.01	15.98	26.61	5.80	28.47	7.40	1111			
3235	MC670A 70 TON W/170' BOOM 150/250 HP D/D	382,455	52.57	59.70	17.89	28.92	7.11	30.64	9.11	1243			
3240	MC790 90 TON W/220' BOOM 210/270 HP D/D	467,750	65.10	74.11	21.89	35.42	9.43	37.52	12.14	1594			
3245	MC1400 140 TON W/230' BOOM 220/290 HP D/D	570,368	75.92	85.50	26.10	41.11	9.92	43.21	12.77	1950			
<b>P &amp; H</b>													
3255	325TC 25 TON W/110' BOOM 83/190 HP D/D	232,208	34.42	40.02	11.79	20.81	4.27	22.75	5.43	645			
3260	430ATC 35 TON W/150' BOOM 86/210 HP D/D	260,346	35.88	40.94	12.54	20.96	4.51	22.43	5.73	763			
3265	440TC 40 TON W/170' BOOM 90/228 HP D/D	292,089	39.98	45.57	14.05	23.47	4.77	25.12	6.06	964			
3270	650ATC 50 TON W/150' BOOM 135/236 HP D/D	375,752	52.10	59.56	18.05	30.09	6.47	32.20	8.28	1222			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CRANES, TRUCK MOUNTED (CONT'D)														
***** (HP & FUEL LISTED EQUIP/CARRIER)														
P & H (CONT'D)														
3275	670TC 70 TON W/180' BOOM 135/255 HP D/D	422,095	56.31	63.68	19.75	31.96	6.59	33.86	8.43	1440				
3280	790BTC 90 TON W/200' BOOM 160/350 HP D/D	462,424	63.05	71.44	21.62	34.94	8.13	37.02	10.35	1606				
3285	9115 125 TON W/220' BOOM 179/350 HP D/D	565,618	75.38	85.18	26.47	42.86	8.82	45.40	11.26	1709				
3290	9150 150 TON W/270' BOOM 210/350 HP D/D	599,700	79.16	89.01	27.44	43.26	9.95	45.48	12.75	1805				
3295	6250TC 300 TON W/320' BOOM 364/450 HP D/D	1,312,808	165.46	184.97	60.14	94.95	16.22	99.84	20.91	3928				
CRANES, TOWER														
*****														
AMERICAN PECCO														
MODEL SK135-2 FREE STANDING 60 HP E														
7500# @ 132' RADIUS (L-2)														
3305	7-S16 TOWER SECTS=103 FT HIGH	266,828	44.28		13.08	21.30	4.32			740				
OPT. 14'9-1/4" S16 TOWER SECT														
3310	ADD TO BASIC CRANE FOR EA SECT	11,429	1.41		0.56	0.91	0.00			51				
3315	TOP CLIMBING OPT. ADD TO BASIC	42,825	5.28		2.10	3.42	0.00			118				
MODEL SK200 FREE STANDING 105 HP E														
10600# @ 143' RADIUS (L-2)														
3320	7-S16 TOWER SECTS=103 FT HIGH	335,927	57.66		16.46	26.81	7.56			883				
14'9-1/4" S16 TOWER SECTION														
3325	ADD TO BASIC CRANE FOR EA SECT	11,429	1.41		0.56	0.91	0.00			51				
3330	TOP CLIMBTNG OPT. ADD TO BASIC	42,825	5.28		2.10	3.42	0.00			118				
MODEL SK400 FREE STANDING 105 HP E														
18500# @ 162' RADIUS (L-2)														
3335	6-S35 TOWER SECIS=116 FT HIGH	410,385	66.85		20.12	32.76	7.56			1216				
OPT. 19'4-1/4" S35 TOWER SECI.														
3340	ADD TO BASIC CRANE FOR EA SECT	14,341	1.77		0.71	1.15	0.00			84				

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				
CRANES, TOWER (CONT'D)												
*****												
AMERICAN PECCO (CONT'D)												
OPT. 19'4-1/4" S35 TOWER SECT.												
3345	TOP CLIMBING OPT. ADD TO BASIC	43,716	5.39		2.14	3.49	0.00		223			
	MODEL SK560 FREE STANDING 165 HP E 24500# @ 170' RADIUS (L-2)											
3350	6-S213 TOWER SECTS=116 FT HIGH	474,765	81.26		23.27	37.89	11.88		1547			
	OPT. 19'4-1/4" S213 TOWER SECT											
3355	ADD TO BASIC CRANE FOR EA SECT	15,229	1.88		0.75	1.22	0.00		100			
3360	TOP CLIMBING OPT. ADD TO BASIC	84,471	10.42		4.14	6.74	0.00		252			
	MODEL SN355 FREE STANDING 165 HP E 12300# @ 165' RADIUS (L-2) WITH LUFFING BOOM											
3365	6-SN35 TOWER SECTS=116 FT HIGH	500,662	84.46		24.53	39.96	11.88		2152			
	OPT. 19'4-1/4" SN35 TOWER SECT											
3370	ADD TO BASIC CRANE FOR EA SECT	14,341	1.77		0.71	1.15	0.00		84			
3375	TOP CLIMBING OPT. ADD TO BASIC	88,758	10.96		4.35	7.09	0.00		159			
DRILLS, BLAST HOLE, CRAWLER MTD												
*****												
GARDNER DENVER												
3385	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	71,273	14.98		4.20	8.44	0.00		91			
3390	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	65,391	13.93		3.85	7.74	0.00		93			
3395	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	74,482	15.98		4.39	8.83	0.00		95			
3400	AT3700A/PR66 ANGLE DRILL 4.0" HOLE 12' FEED	900CFM A	87,903	18.73	5.18	10.41	0.00		146			
3405	ATD5100/PR80H ANGLE DRILL 4.5" HOLE 20' FEED	1200CFM A	97,689	20.91	5.75	11.57	0.00		200			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION AVERAGE	STAND-SEVERE BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL	FUEL				
<b>DRILLS, BLAST HOLE, CRLR MTD (CONT'D)</b>												
<b>INGERSOLL-RAND</b>												
3415	ECM350/VL140	4.0" HOLE 12' FEED 750CFM A	80,487	17.01	4.74	9.53	0.00		129			
3420	ECM350/VL671	4.5" HOLE 12' FEED 900CFM A	87,765	18.68	5.17	10.40	0.00		131			
3425	CM2000/VL170	5.0" HOLE 24' FEED1400CFM A	99,654	21.49	5.87	11.81	0.00		170			
<b>JOY</b>												
3435	RAM STD/VCR260	4.0" HOLE 12' FEED 800CFM A	71,870	15.32	4.24	8.52	0.00		100			
3440	RAM EXT/VCR260	4.0" HOLE 12' FEED 800CFM A	81,626	17.32	4.81	9.67	0.00		144			
3445	MUSTANG VCR280	5" HOLE 23' FEED1200CFM A	99,734	21.31	5.87	11.81	0.00		184			
<b>DRILLS, CORE, AIR, COLUMN MOUNTED</b>												
3455	LONGYEAR 24 WOLVERINE AX 700'	450CFM A	17,570	3.93	1.04	2.09	0.00		12			
3460	LONGYEAR 65D	EX 600'	400CFM A	11,285	2.63	0.67	1.34	0.00	3			
3465	65D ROD PULLER	21" STROKE	400CFM A	1,679	0.60	0.10	0.20	0.00	1			
<b>DRILLS, CORE, SKID MOUNTED</b>												
<b>ACKER</b>												
3475	TEREDO	MARK-II NX 1000' MAX	44 HP D	26,528	7.93	1.57	3.15	1.99	40			
3480	ACE MODEL C	NX 725' MAX	20 HP D	18,510	4.92	1.09	2.19	0.90	45			
<b>LONGYEAR</b>												
3490	MOD 24 STD	AX 675' MAX	12 HP G	16,735	4.69	0.98	1.98	1.08	17			
3495	MOD 34	NX 1000' MAX	31 HP G	25,454	8.46	1.50	3.01	2.79	38			
3500	MOD 34	NX 1000' MAX	40 HP D	30,340	8.46	1.78	3.59	1.80	39			
3505	MOD 38	NX 1800' MAX	54 HP D	34,907	10.19	2.05	4.13	2.44	41			
3510	MOD 44	NX 2500' MAX	60 HP D	41,885	11.97	2.47	4.97	2.71	56			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	SEVERE FUEL	OWNER-SHIP	SEVERE FUEL				
<b>DRILLS, CORE, SKID MOUNTED (CONT'D)</b>												
<b>SPRAGUE AND HENWOOD</b>												
3520	MOD 37-H NX 400' MAX	18 HP G	15,950	5.16	0.94	1.89	1.62		18			
3525	MOD 40-CL NX 1050' MAX	49 HP D	24,650	7.80	1.45	2.92	2.21		27			
<b>DRILLS, ROTARY</b>												
<b>INGERSOLL-RAND</b>												
3535	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	311,381	64.27	15.81	28.00	13.72		550			
<b>JOY-ROBBINS</b>												
3545	RRT 35 TK MTD 6-1/4" TO 7-7/8"	225 HP D	290,080	56.66	14.72	26.06	10.15		600			
3550	RRT 50 TK MTD 6-3/4" TO 9-0"	335 HP D	443,505	85.98	22.52	39.87	15.12		860			
3555	RRT 60 TK MTD 6-3/4" TO 9-7/8"	350 HP D	471,741	91.02	23.96	42.44	15.79		960			
3560	RR10S CRLR MTD 6-3/4" TO 9-0"	410 HP D	336,314	72.95	17.14	30.50	18.50		1160			
3565	RR10HD ON D9 6-3/4" TO 10-5/8"	410 HP D	371,633	78.20	18.94	33.70	18.50		1340			
3570	RR10XHD ON D9 9-7/8" TO 12-1/4"	410 HP D	561,772	90.52	26.41	43.14	18.50		1830			
3575	RR12E CRLR MTD 9-0" TO 12-1"	725/450 HP E/E	1,039,652	163.34	48.86	79.83	40.60		2605			
<b>FORK LIFTS</b>												
<b>CATERPILLAR</b>												
LC = LOAD CENTER												
3595	M20 ELECT 2000# @ 24" LC	18 HP E	15,692	4.82	0.91	1.82	1.30		54			
3600	M25 ELECT 2500# @ 24" LC	18 HP E	15,776	4.86	0.93	1.84	1.30		54			
3605	MC30 ELECT 3000# @ 24" LC	18 HP E	16,514	4.99	0.97	1.91	1.30		85			
3610	M40B ELECT 4000# @ 24" LC	32 HP E	22,861	7.63	1.33	2.65	2.30		95			
3615	M50B ELECT 5000# @ 24" LC	32 HP E	23,317	7.73	1.36	2.71	2.30		102			
3620	MC60B ELECT 6000# @ 24" LC	47 HP E	25,651	9.72	1.50	2.98	3.38		123			
3625	M70B ELECT 7000# @ 24" LC	53 HP E	31,819	11.53	1.86	3.69	3.82		134			
3630	M80B ELECT 8000# @ 24" LC	53 HP E	33,287	11.80	1.94	3.87	3.82		142			

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				
FORK LIFTS (CONT'D)													
*****													
CATERPILLAR (CONT'D)													
3635	M100B ELECT 10000# @ 24" LC	53 HP E	35,119	12.12			2.05	4.10	3.82	160			
3640	V30D GAS 3000# @ 24" LC	37 HP G	15,095	6.19			0.89	1.77	2.71	37			
3645	V40C GAS 4000# @ 24" LC	48 HP G	20,103	8.16			1.17	2.32	3.52	41			
3650	V50C GAS 5000# @ 24" LC	48 HP G	20,523	8.26			1.18	2.33	3.52	45			
3655	V60E GAS 6000# @ 24" LC	63 HP G	28,398	11.08			1.66	3.29	4.62	52			
3660	V70E GAS 7000# @ 24" LC	63 HP G	28,712	11.13			1.67	3.32	4.62	56			
3665	V80E GAS 8000# @ 24" LC	63 HP G	29,857	11.35			1.74	3.46	4.62	59			
3670	V110 GAS 11000# @ 24" LC	66 HP G	42,967	14.10			2.51	4.98	4.84	82			
3675	V150 DIESEL 15000# @ 24" LC	70 HP D	46,262	11.87			2.70	5.37	2.55	92			
3680	V180B DIESEL 18000# @ 24" LC	125 HP D	61,294	17.26			3.56	7.02	4.56	114			
3685	V200B DIESEL 20000# @ 24" LC	125 HP D	66,773	18.28			3.87	7.66	4.56	124			
3690	V250B DIESEL 25000# @ 24" LC	125 HP D	68,531	18.59			3.98	7.89	4.56	153			
3695	V300B DIESEL 30000# @ 24" LC	125 HP D	76,929	20.21			4.46	8.80	4.56	180			
3700	R40 DIESEL 4000# @ 24" LC	68 HP D	26,766	8.15			1.55	3.06	2.48	107			
3705	R50 DIESEL 5000# @ 24" LC	68 HP D	27,414	8.27			1.59	3.14	2.48	112			
3710	R60 DIESEL 6000# @ 24" LC	68 HP D	33,168	9.35			1.93	3.82	2.48	128			
3715	R80 DIESEL 8000# @ 24" LC	68 HP D	34,437	9.61			2.00	3.95	2.48	138			
HYSTER - CHALLENGER													
3725	H30H 3000# @ 24" LC	63 HP G	25,455	10.53			1.49	2.95	4.62	71			
3730	H60C 6000# @ 24" LC	80 HP G	28,870	12.70			1.68	3.34	5.86	103			
3735	H110F 11000# @ 24" LC	116 HP G	44,111	18.83			2.58	5.13	8.50	163			
3740	H150H 15000# @ 24" LC	127 HP G	61,905	23.25			3.59	7.09	9.30	234			
3745	H200HS20000# @ 24" LC	PS 127 HP G	70,804	24.91			4.11	8.14	9.30	253			
3750	H250H 25000# @ 24" LC	PS 127 HP G	73,723	25.48			4.27	8.44	9.30	295			
3755	H300B 30000# @ 24" LC	PS 127 HP G	81,982	26.99			4.78	9.47	9.30	360			
3760	H460B 46000# @ 48" LC	PS 190 HP G	156,988	46.92			9.13	18.08	13.92	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				
			AVERAGE	SEVERE									
<b>GENERATOR SETS, ELECTRTC</b>													
*****													
CATERPILLAR													
T = TURBOCHARGED													
TA = TURBOCHARGED AFTER COOLED													
SKID MOUNTED													
3775	MOD 3304 -T	240/480V 75 KW	129 HP D	20,804	10.26	12.92	1.35	2.89	4.71	3.20	6.19	37	
3780	MOD 3306 -T	240/480V 130 KW	200 HP D	24,512	14.26	18.07	1.59	3.41	7.30	3.77	9.60	46	
3785	MOD 3306 -TA	240/480V 150 KW	220 HP D	27,930	15.89	20.13	1.81	3.88	8.03	4.30	10.56	48	
3790	MOD 3406 -T	240/480V 175 KW	260 HP D	29,591	18.05	22.94	1.92	4.12	9.48	4.56	12.48	57	
3795	MOD 3406 -TA	240/480V 200 KW	295 HP D	33,523	20.46	26.00	2.17	4.66	10.76	5.16	14.16	59	
3800	MOD 3408 -T	240/480V 225 KW	330 HP D	39,155	23.25	29.51	2.54	5.44	12.04	6.03	15.84	72	
3805	MOD 3408 -TA	240/480V 265 KW	390 HP D	42,549	26.69	33.93	2.76	5.92	14.23	6.55	18.72	81	
3810	MOD D353 -TA	240/480V 290 KW	425 HP D	77,801	35.76	44.89	5.05	10.82	15.50	11.97	20.40	114	
3815	MOD 3412 -T	240/480V 300 KW	440 HP D	58,841	32.40	41.00	3.82	8.18	16.05	9.05	21.12	91	
3820	MOD 3412 -TA	240/480V 440 KW	625 HP D	68,434	42.81	54.43	4.43	9.51	22.80	10.53	30.00	102	
3825	MOD D348 -TA	240/480V 510 KW	730 HP D	104,254	55.18	69.70	6.76	14.50	26.63	16.04	35.04	140	
3830	MOD D398B-TA	230/460V 565 KW	810 HP D	154,690	69.51	87.16	10.03	21.51	29.55	23.80	38.88	208	
3835	MOD D399 -TA	230/460V 820 KW	1155 HP D	201,312	95.02	119.45	13.05	27.99	42.13	30.98	55.44	268	
KOHLER													
3845	2.25MBM25	PORTABLE 2.25 KW	5 HP G	661	0.61	0.75	0.05	0.10	0.37	0.10	0.48	1	
3850	3.5MM65	PORTABLE 3.50 KW	8 HP G	1,042	0.95	1.20	0.07	0.14	0.59	0.16	0.76	2	
3855	5MM65	PORTABLE 5.00 KW	12 HP G	1,351	1.37	1.76	0.08	0.18	0.88	0.21	1.15	2	
ONAN													
SKID MOUNTED													
3870		120/240V 2.5 KW	6 HP G	1,400	0.85	1.07	0.10	0.20	0.44	0.22	0.57	2	
3875		120/240V 6.5 KW	14 HP G	3,153	1.95	2.46	0.21	0.44	1.03	0.49	1.34	3	
3880		120/240V 10.0 KW	20 HP G	3,446	2.55	3.24	0.23	0.48	1.47	0.53	1.91	4	
3885		120/240V 3.0 KW	6 HP D	3,648	1.05	1.28	0.24	0.51	0.22	0.56	0.29	4	
3890		120/240V 6.0 KW	12 HP D	4,843	1.58	1.94	0.31	0.67	0.44	0.75	0.58	5	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL				
<b>GENERATOR SETS, ELECTRIC (CONT'D)</b>													
<b>ONAN (CONT'D)</b>													
3895	120/240V 12.0 KW	22 HP D	6,970	2.47	3.06	0.45	0.97	0.80	1.07	1.06			
3900	120/240V 15 KW	27 HP D	7,156	2.75	3.41	0.47	1.00	0.98	1.10	1.30			
3905	120/240V 30 KW	63 HP D	10,610	5.11	6.42	0.69	1.48	2.30	1.63	3.02			
3910	120/240V 45 KW	87 HP D	14,030	6.91	8.71	0.91	1.95	3.17	2.16	4.18			
3915	120/240V 60 KW	102 HP D	16,122	8.04	10.14	1.05	2.25	3.72	2.48	4.90			
3920	120/240V 75 KW	162 HP D	19,182	11.41	14.48	1.25	2.67	5.91	2.95	7.78			
3925	120/240V 90 KW	162 HP D	20,096	11.61	14.71	1.31	2.80	5.91	3.09	7.78			
3930	120/240V 125 KW	210 HP D	23,278	14.44	18.36	1.51	3.23	7.66	3.58	10.08			
3935	120/240V 150 KW	276 HP D	27,593	18.36	23.38	1.79	3.84	10.07	4.25	13.25			
<b>OVERLOWE</b>													
3945	KP2250R PORTABLE 2.25 KW	5 HP G	834	0.63	0.79	0.05	0.11	0.37	0.12	0.48			
3950	KP3000R PORTABLE 3.00 KW	5 HP G	834	0.63	0.79	0.05	0.11	0.37	0.12	0.48			
3955	KP3750BIC PORTABLE 3.75 KW	7 HP G	1,012	0.84	1.08	0.07	0.14	0.51	0.15	0.67			
3960	KP5000BIC PORTABLE 5.00 KW	10 HP G	1,278	1.18	1.50	0.08	0.18	0.73	0.19	0.95			
3965	KP6500BICB PORTABLE 6.50 KW	16 HP G	1,624	1.80	2.31	0.11	0.23	1.17	0.25	1.53			
3970	KP7500BICB PORTABLE 7.50 KW	16 HP G	1,696	1.81	2.33	0.11	0.24	1.17	0.26	1.53			
<b>GRADERS, MOTOR</b>													
<b>CATERPILLAR</b>													
3985	MOD 120-G POWER SHIFT ARTIC	125 HP D	98,242	20.44	24.97	5.38	9.78	4.20	11.02	5.52			
3990	MOD 130-G POWER SHIFT ARTIC	135 HP D	111,795	22.93	27.94	6.13	11.16	4.54	12.56	5.96			
3995	MOD 12-G POWER SHIFT ARTIC	135 HP D	120,747	24.28	29.53	6.61	12.04	4.54	13.57	5.96			
4000	MOD 140-G POWER SHIFT ARTIC	150 HP D	122,910	25.28	30.86	6.73	12.23	5.04	13.77	6.62			
4005	MOD 14-G POWER SHIFT ARTIC	180 HP D	171,584	34.26	41.79	9.34	16.89	6.05	19.02	7.95			
4010	MOD 16-G POWER SHIFT ARTIC	250 HP D	245,284	48.74	59.42	13.34	24.09	8.40	27.10	11.04			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL				
GRADERS, MOTOR (CONT'D)												
*****												
CHAMPION												
4020	MOD 710A	ARTICULATED	125 HP D	95,667	20.06	24.54	5.23	9.50	4.20	10.70	5.52	296
4025	MOD 715A	ARTICULATED	144 HP D	108,484	22.84	27.94	5.93	10.78	4.84	12.14	6.36	306
4030	MOD 720A	ARTICULATED	148 HP D	115,055	24.05	29.43	6.29	11.42	4.97	12.86	6.54	340
4035	MOD 740A	ARTICULATED	181 HP D	125,127	26.95	33.02	6.85	12.47	6.08	14.04	7.99	355
4040	MOD 710	NON-ARTICULATED	125 HP D	89,966	19.21	23.52	4.92	8.93	4.20	10.04	5.52	280
4045	MOD 715	NON-ARTICULATED	144 HP D	99,591	21.51	26.36	5.44	9.88	4.84	11.12	6.36	285
4050	MOD 720	NON-ARTICULATED	148 HP D	105,042	22.53	27.64	5.74	10.40	4.97	11.71	6.54	315
4055	MOD 740	NON-ARTICULATED	181 HP D	114,642	25.41	31.22	6.26	11.37	6.08	12.81	7.99	330
4060	MOD 760	NON-ARTICULATED	230 HP D	144,356	32.34	39.78	7.84	14.14	7.73	15.90	10.16	390
FIAT-ALLIS												
4070	MOD-65B	DIRECT DRIVE	68 HP D	52,244	10.88	13.29	2.87	5.24	2.28	5.90	3.00	135
4075	MOD-FG75	POWER SHIFT	130 HP D	75,515	17.25	21.23	4.12	7.46	4.37	8.40	5.74	300
4080	MOD-FG85	POWER SHIFT	145 HP D	83,172	19.08	23.51	4.54	8.21	4.87	9.24	6.40	310
4085	MOD-FG95	POWER SHIFT	160 HP D	87,233	20.48	25.29	4.73	8.51	5.38	9.57	7.07	330
GALION												
4095	MOD 503-L	CONSTANT MESH	68 HP G	44,930	12.18	15.02	2.47	4.50	4.60	5.06	5.96	115
4100	MOD T-500C	POWER SHIFT	145 HP D	97,047	21.12	25.89	5.31	9.66	4.87	10.88	6.40	281
4105	MOD T-600C	POWER SHIFT	186 HP D	112,169	25.22	31.00	6.13	11.14	6.25	12.55	8.21	321
HOISTS												
*****												
BEEBE - AIR TUGGERS												
4115	2000P110-24	1.0 T 225 CFM RQD		5,271	1.15		0.32	0.63	0.00		5	
4120	5000P120-24	2.5 T 500 CFM RQD		9,564	2.07		0.56	1.13	0.00		16	
4125	10000P 60-30	5.0 T 500 CFM RQD		12,015	2.67		0.71	1.42	0.00		22	
4130	20000P 50-40	10.0 T 850 CFM RQD		29,966	6.30		1.76	3.54	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	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.						
					AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP						
<b>HOISTS (CONT'D)</b>															
<b>SKAGIT</b>															
4140	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	67,064	17.73			3.95	7.92	3.65	85					
4145	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	90,656	22.39			5.34	10.72	3.65	126					
4150	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	139,542	33.36			8.22	16.49	4.74	240					
4155	RB-90 DOUBLE DRUM W/1-3/8" CABLE	150 HP D	165,537	39.39			9.75	19.57	5.47	300					
<b>HYDRAULIC EXCAVATOR, CRAWLER MOUNTED</b>															
<b>T/B = TELESCOPING BOOM</b>															
<b>B/H = BACKHOE</b>															
<b>AMERICAN</b>															
4170	MOD 185	1.00 CY B/H	103 HP D	114,059	29.11	39.21	7.35	15.25	3.46	410					
4175	MOD 25A	1.38 CY B/H	185 HP D	193,315	45.35	57.83	11.39	22.86	6.22	660					
4180	MOD 480	2.00 CY B/H	300 HP D	285,320	67.99	86.75	16.81	33.74	10.08	975					
4185	MOD 680	4.00 CY B/H	456 HP D	454,453	100.31	123.83	24.87	48.83	15.32	1647					
<b>BADGER (HOPTO)</b>															
4195	MOD 211	1.00 CY B/H	160 HP D	151,859	39.68	53.39	9.78	20.31	5.38	530					
4200	MOD 311	1.88 CY B/H	235 HP D	217,499	52.10	66.46	12.82	25.73	7.90	745					
4205	MOD 900B	2.00 CY B/H	308 HP D	261,746	59.56	73.69	14.32	28.12	10.35	1015					
4210	MOD 1900	5.00 CY B/H	616 HP D	558,485	125.48	155.08	30.57	60.01	20.70	2050					
<b>BUCIRUS ERIE</b>															
4220	MOD 300-H	1.00 CY B/H	176 HP D	172,694	44.87	60.40	11.12	23.09	5.91	546					
4225	MOD 325-H	1.75 CY B/H	205 HP D	238,942	55.11	70.24	14.07	28.25	6.89	774					
4230	MOD 350-H	2.50 CY B/H	248 HP D	301,286	69.08	88.02	17.74	35.63	8.33	10.95					
4235	MOD 400-H	4.25 CY B/H	392 HP D	504,616	106.85	131.54	27.62	54.23	13.17	1575					
<b>CASE</b>															
4245	MOD 880C "E" BOOM .63 CY	B/H	125 HP D	101,629	27.26	36.66	6.55	13.59	4.20	310					
4250	MOD 980B	1.00 CY B/H	165 HP D	125,846	34.15	45.94	8.10	16.82	5.54	445					

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.	OWNER-	FUEL						
			AVERAGE	SEVERE	BY	SHIP	FUEL	SHIP						
<b>HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D)</b>														
***** T/B = TELESCOPING BOOM B/H = BACKHOE														
<b>CATERPILLAR</b>														
4260	MOD 215	.75 CY	B/H	90 HP	D	122,631	30.46	41.07	7.89	16.39	3.02	20.36	3.97	387
4265	MOD 225	1.00 CY	B/H	135 HP	D	150,759	38.43	51.75	9.70	20.15	4.54	25.03	5.96	504
4270	MOD 235	1.50 CY	B/H	195 HP	D	272,782	61.37	78.15	16.07	32.26	6.55	37.92	8.61	891
4275	MOD 245	2.50 CY	B/H	325 HP	D	424,680	96.40	122.78	25.01	50.22	10.92	59.04	14.35	1385
<b>GRADALL</b>														
4290	MOD G-660	.63 CY	T/B	115 HP	D	150,621	37.61	50.68	9.70	20.14	3.86	25.01	5.08	450
4295	MOD G-880B	.75 CY	T/B	160 HP	D	187,833	47.56	64.07	12.09	25.11	5.38	31.19	7.07	533
4300	MOD G-1000	1.25 CY	T/B	272 HP	D	254,055	60.75	77.49	14.97	30.05	9.14	35.32	12.01	787
<b>INSLEY</b>														
4315	MOD H1000C	1.25 CY	B/H	180 HP	D	143,388	35.34	45.13	8.45	16.96	6.05	19.94	7.95	517
4320	MOD H2500C	2.25 CY	B/H	290 HP	D	259,624	62.54	79.84	15.29	30.70	9.74	36.10	12.81	931
4325	MOD H3500C	3.50 CY	B/H	390 HP	D	364,687	81.45	100.62	19.96	39.19	13.10	44.57	17.22	1276
<b>KOEHRING</b>														
4335	MOD 166 BANTAM	.88 CY	B/H	108 HP	D	107,464	27.86	37.51	6.92	14.37	3.63	17.84	4.77	374
4340	MOD 266 BANTAM	1.13 CY	B/H	143 HP	D	141,629	36.74	49.46	9.12	18.94	4.80	23.51	6.31	514
4345	MOD 366 BANTAM	1.25 CY	B/H	210 HP	D	170,593	41.87	53.46	10.05	20.17	7.06	23.72	9.27	612
4350	MOD 566	1.50 CY	B/H	240 HP	D	249,170	58.50	74.62	14.67	29.46	8.06	34.64	10.60	834
4355	MOD 666E	2.00 CY	B/H	307 HP	D	309,998	73.14	93.27	18.26	36.66	10.32	43.10	13.56	1075
4360	MOD 866E	3.25 CY	B/H	332 HP	D	389,678	83.69	103.11	21.33	41.88	11.16	47.63	14.66	1306
4365	MOD 1066E	4.00 CY	B/H	420 HP	D	473,102	102.26	126.06	25.90	50.84	14.11	57.82	18.55	1640
4370	MOD 1166E	5.00 CY	B/H	464 HP	D	563,951	120.44	148.36	30.86	60.60	15.59	68.92	20.49	1890
4375	MOD 1266D	5.50 CY	B/H	760 HP	D	787,913	167.16	195.03	40.75	76.36	25.54	84.66	33.56	2507
4380	MOD 1466	6.50 CY	B/H	832 HP	D	907,828	190.86	222.44	46.95	87.98	27.96	97.55	36.74	2851

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>HYDRAULIC EXCAVATOR, CRLR MTD (CONT'D)</b>																			
***** T/B = TELESCOPING BOOM B/H = BACKHOE																			
UNIT																			
4395	MOD H202CT SER II 1.25 CY B/H 152 HP D	141,891	37.16	50.02	9.14	18.97	5.11	23.56	6.71	475									
4400	MOD H342 1.63 CY B/H 228 HP D	229,677	54.20	69.13	13.53	27.16	7.66	31.93	10.07	723									
4405	MOD H471 1.75 CY B/H 304 HP D	284,917	68.07	86.86	16.78	33.69	10.21	39.61	13.42	972									
<b>HYDRAULIC EXCAVATOR, TRUCK MOUNTED</b>																			
***** (HP & FUEL LISTED EQUIP/CARRIER) T/B = TELESCOPING BOOM B/H = BACKHOE																			
GRADALL																			
4415	MOD G-660 .63 CY T/B 123/235 HP D/G	158,674	28.96	34.61	8.05	14.19	7.10	15.51	9.30	422									
4420	MOD G-880 .75 CY T/B 160/210 HP D/D	206,976	34.95	41.27	10.50	18.55	7.21	20.29	9.28	530									
4425	MOD G-1000 1.25 CY T/B 272/312 HP D/D	273,953	46.94	55.06	13.19	22.02	11.96	23.57	15.44	724									
<b>LAND CLEARING EQUIPMENT</b>																			
***** (ADD TO TRACTOR)																			
4435	FLECO LAND CLEARING RAKE FOR D-6	17,873	3.65	4.61	1.05	2.10	0.00	2.47	0.00	67									
4440	FLECO LAND CLEARING RAKE FOR D-7	23,493	4.79	6.06	1.38	2.76	0.00	3.26	0.00	98									
4445	FLECO LAND CLEARING RAKE FOR D-8	34,845	7.09	8.94	2.06	4.11	0.00	4.82	0.00	138									
4450	FLECO CLAMP RAKE FOR CAT 977 (ADD TO 977 LOADER)	17,907	3.79	4.75	1.05	2.11	0.00	2.48	0.00	58									
<b>LIGHTING SETS, TRAILER MOUNTED</b>																			
*****																			
ALLMAND METALLIC VAPOR																			
4460	30' TOWER 4/1000W LTS 5 KW 11 HP D	13,148	4.78		0.84	1.69	0.53			20									
<b>OVER-LOWE METALLIC VAPOR</b>																			
4470	28' TOWER 2/1000W 3 KW 6 HP D	9,672	3.36		0.61	1.20	0.29			17									
4475	28' TOWER 4/1000W 6 KW 17 HP D	12,508	4.90		0.79	1.56	0.82			22									

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.	
	LIGHTING SETS, TRAILER MTD (CONT'D) *****									
	OVER-LOWE METALLIC VAPOR (CONT'D)									
4480	28' TOWER 6/1000W 8 KW 15 HP D	16,800	6.11			1.06	2.11	0.72		24
	LOADERS, BELT *****									
	KOLMAN									
4490	101XHD 24"X50" 355 T/HR 28 HP D	29,841	7.84	10.23	1.71	3.12	1.02	3.62	1.34	116
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4500	PLATE FEEDER DOZER TRAP MODEL 45	5,548	1.10	1.40	0.33	0.61	0.00	0.72	0.00	37
4505	BELT FEEDER DOZER TRAP MODEL 65	8,034	1.59	2.02	0.47	0.88	0.00	1.03	0.00	36
4510	WING WALLS STATIONARY	1,238	0.24	0.31	0.07	0.13	0.00	0.16	0.00	9
4515	TUNNEL EXTENSION W/WING WALLS	6,485	1.28	1.64	0.38	0.71	0.00	0.84	0.00	61
4520	SINGLE DECK SCREEN SB-70 7'X42	5,494	1.10	1.38	0.33	0.61	0.00	0.70	0.00	19
4525	DOUBLE DECK SCREEN DC-70-42 7'X42	6,528	1.30	1.64	0.38	0.72	0.00	0.84	0.00	27
4530	TRIPLE DECK SCREEN TC-70-42 7'X42	8,521	1.70	2.14	0.51	0.94	0.00	1.09	0.00	34
4535	XHD CONVEYOR JACKLEG	981	0.20	0.24	0.06	0.11	0.00	0.12	0.00	9
4540	101XHD 30"X50" 615 T/HR 42 HP D	33,468	9.35	12.26	1.92	3.49	1.53	4.05	2.02	135
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4550	PLATE FEEDER DOZER TRAP MODEL 45	6,890	1.37	1.73	0.41	0.76	0.00	0.88	0.00	42
4555	BELT FEEDER DOZER TRAP MODEL 65	8,423	1.68	2.12	0.50	0.93	0.00	1.08	0.00	40
4560	WING WALLS STATIONARY	1,238	0.24	0.31	0.07	0.13	0.00	0.16	0.00	9
4565	TUNNEL EXTENSION W/WING WALLS	6,485	1.28	1.64	0.38	0.71	0.00	0.84	0.00	61
4570	SINGLE DECK SCREEN SB-80 8'X48	6,167	1.23	1.55	0.37	0.68	0.00	0.79	0.00	23
4575	DOUBLE DECK SCREEN DC-80-48 8'X48	7,608	1.51	1.91	0.45	0.84	0.00	0.97	0.00	35
4580	TRIPLE DECK SCREEN TC-80-48 8'X48	9,638	1.91	2.43	0.57	1.06	0.00	1.24	0.00	43
4585	XHD CONVEYOR JACKLEG	981	0.20	0.24	0.06	0.11	0.00	0.12	0.00	9
4590	101XHD 36"X50" 910 T/HR 56 HP D	38,320	11.22	14.74	2.19	3.97	2.04	4.59	2.69	160
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4600	PLATE FEEDER DOZER TRAP MODEL 45	7,390	1.48	1.85	0.44	0.82	0.00	0.94	0.00	45

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>LOADERS, BELT (CONT'D)</b>														
<b>KOLMAN (CONT'D)</b>														
4605	BELT FEEDER DOZER TRAP MODEL 65	8,920	1.77	2.24	0.52	0.98	0.00	1.14	0.00	42				
4610	WING WALLS STATIONARY	1,238	0.24	0.31	0.07	0.13	0.00	0.16	0.00	9				
4615	TUNNEL EXTENSION W/WING WALLS	6,485	1.28	1.64	0.38	0.71	0.00	0.84	0.00	61				
4620	SINGLE DECK SCREEN SB-90 9'X54	6,972	1.39	1.76	0.41	0.77	0.00	0.90	0.00	28				
4625	DOUBLE DECK SCREEN DC-90-54 9'X54	9,095	1.81	2.29	0.54	1.00	0.00	1.17	0.00	43				
4630	TRIPLE DECK SCREEN TC-90-54 9'X54	12,129	2.42	3.05	0.72	1.34	0.00	1.56	0.00	54				
4635	XHD CONVEYOR JACKLEG	981	0.20	0.24	0.06	0.11	0.00	0.12	0.00	9				
4640	101XHD 42"X50' 1260 T/HR 84 HP D	46,813	14.62	19.29	2.67	4.81	3.06	5.57	4.03	180				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4650	PLATE FEEDER DOZER TRAP MODEL 45	7,873	1.57	1.97	0.47	0.87	0.00	1.00	0.00	48				
4655	BELT FEEDER DOZER TRAP MODEL 65	10,250	2.04	2.58	0.61	1.13	0.00	1.32	0.00	45				
4660	WING WALLS STATIONARY	1,238	0.24	0.31	0.07	0.13	0.00	0.16	0.00	9				
4665	TUNNEL EXTENSION W/WING WALLS	6,485	1.28	1.64	0.38	0.71	0.00	0.84	0.00	61				
4670	SINGLE DECK SCREEN SB-100 60"X10'	8,701	1.73	2.19	0.51	0.96	0.00	1.12	0.00	37				
4675	DOUBLE DECK SCREEN DC-100 60"X10'	11,233	2.24	2.82	0.66	1.24	0.00	1.44	0.00	55				
4680	TRIPLE DECK SCREEN TC-100 60"X10'	15,142	3.01	3.80	0.89	1.67	0.00	1.94	0.00	68				
4685	XHD CONVEYOR JACKLEG	981	0.20	0.24	0.06	0.11	0.00	0.12	0.00	9				
4690	101XHD 48"X50' 1700 T/HR 125 HP D	82,116	23.76	31.03	4.72	8.63	4.56	10.00	6.00	265				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4700	PLATE FEEDER DOZER TRAP MODEL 45	11,400	2.26	2.86	0.67	1.25	0.00	1.46	0.00	51				
4705	WING WALLS STATIONARY	1,238	0.24	0.31	0.07	0.13	0.00	0.16	0.00	9				
4710	TUNNEL EXTENSION W/WING WALLS	7,236	1.44	1.82	0.43	0.80	0.00	0.93	0.00	66				
4715	SINGLE DECK SCREEN SB-120 60"X12'	9,889	1.97	2.49	0.58	1.09	0.00	1.27	0.00	53				
4720	DOUBLE DECK SCREEN DC-120 60"X12'	13,668	2.72	3.43	0.81	1.51	0.00	1.75	0.00	77				
4725	TRIPLE DECK SCREEN TC-120 60"X12'	17,870	3.55	4.49	1.05	1.97	0.00	2.29	0.00	80				
4730	XHD CONVEYOR JACKLEG	981	0.20	0.24	0.06	0.11	0.00	0.12	0.00	9				
4735	303 48"X50' 2000 CY/HR 125 HP D	144,034	38.51	50.77	8.22	14.89	4.56	17.23	6.00	627				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL	OWNERSHIP				
LOADERS, BELT (CONT'D)													
*****													
KOLMAN (CONT'D)													
4740	303	48"X60' 2000 CY/HR	185 HP D	160,240	44.63	58.68	9.18	16.67	6.75	19.29	8.88	662	
4745	303	60"X50' 3600 CY/HR	185 HP D	165,573	47.38	62.96	9.41	16.93	6.75	19.57	8.88	682	
4750	303	60"X60' 3600 CY/HR	290 HP D	190,762	58.39	77.68	10.84	19.49	10.58	22.54	13.92	737	
4755	404	48"X50' 2000 CY/HR	185 HP D	177,997	48.07	63.01	10.23	18.64	6.75	21.60	8.88	616	
4760	404	48"X60' 2000 CY/HR	185 HP D	188,097	50.16	65.69	10.82	19.74	6.75	22.87	8.88	650	
4765	404	60"X50' 3600 CY/HR	290 HP D	213,765	61.86	81.52	12.24	22.24	10.58	25.75	13.92	671	
4770	404	60"X60' 3600 CY/HR	290 HP D	236,257	67.44	89.10	13.51	24.50	10.58	28.36	13.92	724	
OPTIONAL EQUIPMENT SELECT AS NEEDED													
4780		SINGLE DECK SCREEN SB-120 72"X12'		10,939	2.18	2.76	0.65	1.21	0.00	1.41	0.00	58	
4785		DOUBLE DECK SCREEN DC-120 72"X12'		14,537	2.90	3.66	0.86	1.61	0.00	1.87	0.00	85	
4790		TRIPLE DECK SCREEN TC-120 72"X12'		19,626	3.91	4.93	1.16	2.17	0.00	2.51	0.00	90	
4795		SINGLE DECK VIBRATING GRIZZLE 72"W		22,469	4.47	5.66	1.33	2.48	0.00	2.89	0.00	80	
LOADERS, FRONT END, CRAWLER TYPE													
*****													
CASE													
4805	350 B	3/4 CY	39 HP D	38,217	11.25	14.36	2.25	4.50	1.54	5.29	2.02	105	
4810	45D B	1 CY	53 HP D	49,256	14.65	18.69	2.90	5.80	2.09	6.81	2.75	138	
4815	850C	1-1/2 CY	78 HP D	66,205	20.07	25.61	3.90	7.80	3.07	9.16	4.04	211	
4820	1150 C	1-3/4 CY	105 HP D	90,044	27.23	34.76	5.31	10.61	4.13	12.46	5.44	250	
4825	1450 B	2-1/4 CY	140 HP D	106,518	33.06	42.25	6.27	12.54	5.51	14.74	7.26	310	
CATERPILLAR													
4835	931B	1 CY	65 HP D	42,745	13.75	17.58	2.52	5.04	2.56	5.91	3.37	171	
4840	943	1-1/2 CY	80 HP D	76,117	22.55	28.76	4.49	8.97	3.15	10.53	4.15	255	
4845	953	2 CY	110 HP D	95,051	28.70	36.63	5.60	11.19	4.33	13.15	5.70	300	
4850	963	2-1/2 CY	150 HP D	125,172	38.06	48.60	7.37	14.74	5.90	17.32	7.78	394	
4855	973	3-3/4 CY	210 HP D	185,520	55.75	71.15	10.92	21.84	8.27	25.66	10.89	534	

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						
	LOADERS, F.E., CRAWLER TYPE (CONT'D)									
	<del>*****</del>									
	CATERPILLAR (CONT'D)									
4860	983B 4-1/2 CY	275 HP D	254,177	75.68	96.59	14.97	29.93	10.82	35.17	14.26
	FIAT-ALLIS									
4870	FL9 1-5/8 CY	87 HP D	57,571	18.48	23.64	3.39	6.78	3.42	7.97	4.51
4875	FL10C 2 CY	122 HP D	73,654	24.22	31.00	4.34	8.67	4.80	10.19	6.32
4880	FL14C 2-5/8 CY	150 HP D	96,360	31.16	39.89	5.67	11.34	5.90	13.34	7.78
4885	FL20 3-1/2 CY	223 HP D	138,429	45.22	57.83	8.16	16.31	8.78	19.15	11.56
	INTERNATIONAL									
4895	100-E 1-1/8 CY	65 HP D	49,837	15.44	19.73	2.94	5.87	2.56	6.90	3.37
4900	125-E 1-3/8 CY	78 HP D	59,669	18.50	23.64	3.51	7.02	3.07	8.26	4.04
4905	175-C 2 CY	130 HP D	97,808	30.44	38.90	5.76	11.52	5.12	13.54	6.74
4910	250-C 2-3/4 CY	190 HP D	138,492	43.42	55.49	8.16	16.31	7.48	19.16	9.85
	JOHN DEERE									
4920	JD350-C 3/4 CY	42 HP D	36,633	11.04	14.09	2.16	4.32	1.65	5.06	2.18
4925	JD450-C 1-1/4 CY	65 HP D	47,847	14.97	19.14	2.82	5.64	2.56	6.63	3.37
	KOMATSU									
4935	D31S-16 1.3 CY	63 HP D	45,633	14.32	18.32	2.69	5.37	2.48	6.32	3.27
4940	D53S-16 1.8 CY	110 HP D	80,135	25.14	32.11	4.72	9.44	4.33	11.08	5.70
4945	D57S-1 2.1 CY	135 HP D	97,410	30.61	39.13	5.73	11.47	5.31	13.48	7.00
4950	D75S-3 3.3 CY	200 HP D	142,672	44.96	57.48	8.40	16.80	7.87	19.74	10.37
4955	D155S-1 5.9 CY	350 HP D	278,337	85.54	109.24	16.39	32.78	13.78	38.51	18.14

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.	OWNER-SHIP	FUEL	OWNER-SHIP									
					AVERAGE	SEVERE												
<b>LOADERS, FRONT END, WHEEL TYPE</b>																		
(ARTIC = ARTICULATED)																		
BOBCAT																		
4965	MOD 310	5 C.F. SKID STEER	16 HP G	7,506	2.98	3.86	0.43	0.83	1.17	0.97	1.53	18						
4970	MOD 313	5 C.F. SKID STEER	13 HP D	9,354	2.44	3.13	0.55	1.05	0.47	1.22	0.62	19						
4975	MOD 540	6.5 C.F. SKID STEER	23 HP G	10,808	4.26	5.47	0.64	1.22	1.68	1.42	2.20	31						
4980	MOD 543	6.5 C.F. SKID STEER	19 HP D	12,730	3.35	4.28	0.74	1.43	0.69	1.68	0.91	33						
4985	MOD 610	9 C.F. SKID STEER	30 HP G	13,400	5.42	6.96	0.78	1.50	2.20	1.75	2.86	43						
4990	MOD 630	9 C.F. SKID STEER	30 HP G	12,867	5.32	6.84	0.75	1.44	2.20	1.68	2.86	34						
4995	MOD 641	10 C.F. SKID STEER	28 HP D	15,018	4.25	5.42	0.88	1.69	1.02	1.97	1.34	39						
5000	MOD 642	10 C.F. SKID STEER	32 HP G	13,750	5.68	7.30	0.81	1.55	2.34	1.81	3.05	38						
5005	MOD 742	10 C.F. SKID STEER	34 HP G	15,919	6.27	8.05	0.93	1.79	2.49	2.10	3.25	45						
5010	MOD 743	10 C.F. SKID STEER	36 HP D	17,078	5.03	6.44	1.00	1.92	1.31	2.25	1.73	46						
5015	MOD 825	12.5 C.F. SKID STEER	42 HP D	21,176	6.20	8.03	1.23	2.35	1.53	2.74	2.02	60						
5020	MOD 843	13.5 C.F. SKID STEER	54 HP D	22,011	6.98	9.02	1.28	2.45	1.97	2.85	2.59	63						
5025	MOD 974	33.8 C.F. SKID STEER	78 HP D	40,084	12.01	15.87	2.30	4.32	2.85	5.04	3.74	121						
CASE																		
5035	W-14	1-1/2 CY ARTIC	83 HP D	62,300	16.12	20.70	3.63	6.95	3.03	8.10	3.98	137						
5040	W-18B	2 CY ARTIC	103 HP D	75,374	19.55	25.05	4.40	8.43	3.76	9.84	4.94	194						
5045	W-24 C	2-1/2 CY ARTIC	132 HP D	106,417	26.96	34.54	6.20	11.89	4.82	13.89	6.34	216						
5050	W-36	3-1/2 CY ARTIC	185 HP D	142,090	36.71	47.37	8.25	15.76	6.75	18.40	8.88	332						
CATERPILLAR																		
5060	910	1-1/4 CY ARTIC	65 HP D	50,882	13.16	17.06	2.95	5.62	2.37	6.55	3.12	145						
5065	920	1-3/4 CY ARTIC	80 HP D	65,557	16.62	21.40	3.81	7.29	2.92	8.51	3.84	186						
5070	930	2-1/4 CY ARTIC	100 HP D	74,871	19.54	25.25	4.35	8.29	3.65	9.67	4.80	212						
5075	950-B	3 CY ARTIC	130 HP D	120,559	29.90	38.69	6.99	13.33	4.74	15.55	6.24	328						
5080	966-D	4 CY ARTIC	200 HP D	163,448	42.03	54.68	9.44	17.96	7.30	20.95	9.60	426						
5085	980-C	5-1/4 CY ARTIC	270 HP D	220,344	52.89	68.43	11.80	22.61	9.85	25.65	12.96	598						

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	SEVERE COND.	OWNERSHIP	FUEL				
<b>LOADERS, F.E., WHEEL TYPE (CONT'D)</b>													
<b>CATERPILLAR (CONT'D)</b>													
5090	988-B	7 CY ARTIC	375 HP D	319,403	75.22	97.74	16.90	32.00	13.68	36.26	18.00	892	
5095	992-C	13 CY ARTIC	690 HP D	649,526	151.49	199.05	34.15	64.14	25.17	72.59	33.12	1916	
<b>CLARK</b>													
5105	350	1-1/4 CY	82 HP D	58,815	15.49	19.99	3.42	6.53	2.99	7.61	3.94	177	
5110	450	1-1/2 CY	107 HP D	67,881	18.41	23.74	3.94	7.55	3.90	8.82	5.14	192	
5115	550	2 CY ARTIC	121 HP D	79,257	21.41	27.65	4.60	8.79	4.41	10.25	5.81	247	
5120	750	2-1/2 CY ARTIC	154 HP D	116,754	30.61	39.84	6.75	12.83	5.62	14.96	7.39	313	
5125	1250	3-1/2 CY ARTIC	210 HP D	157,655	41.76	54.69	9.08	17.20	7.66	20.05	10.08	437	
5130	1750	4-1/2 CY ARTIC	273 HP D	211,347	51.56	66.85	11.31	21.65	9.96	24.55	13.10	565	
5135	2750	6-1/2 CY ARTIC	360 HP D	296,505	69.65	89.67	15.78	30.06	13.13	34.08	17.28	864	
5140	4750	12 CY ARTIC	612 HP D	563,538	131.06	171.06	29.75	56.13	22.33	63.56	29.38	1689	
<b>FIAT-ALLIS</b>													
5150	345-B	1-1/2 CY ARTIC	80 HP D	52,704	14.23	18.40	3.06	5.84	2.92	6.82	3.84	151	
5155	FR-10	2-1/4 CY ARTIC	102 HP D	68,669	18.27	23.48	3.99	7.66	3.72	8.95	4.90	212	
5160	FR-12	2-1/2 CY ARTIC	120 HP D	75,704	20.71	26.79	4.39	8.38	4.38	9.79	5.75	230	
5165	FR-15	3 CY ARTIC	155 HP D	106,744	28.89	37.80	6.15	11.66	5.65	13.60	7.44	296	
5170	FR-20	4 CY ARTIC	215 HP D	155,211	41.57	54.47	8.93	16.92	7.84	19.72	10.32	445	
5175	945-B	6 CY ARTIC	335 HP D	243,510	59.73	77.71	12.88	24.37	12.22	27.60	16.08	700	
<b>INTERNATIONAL</b>													
5185	510B	1-3/8 CY	80 HP D	48,795	14.09	18.85	2.77	5.18	2.92	6.03	3.84	140	
5190	515B	1-5/8 CY	100 HP D	59,764	16.77	21.84	3.45	6.56	3.65	7.66	4.80	167	
5195	520B	2-1/4 CY ARTIC	120 HP D	70,536	19.80	25.71	4.08	7.78	4.38	9.07	5.76	232	
5200	530	2-3/4 CY ARTIC	155 HP D	105,896	28.49	37.07	6.13	11.66	5.65	13.60	7.44	291	
5205	540	3-3/4 CY ARTIC	189 HP D	146,273	38.63	50.63	8.46	16.02	6.89	18.67	9.07	360	
5210	550	5-1/4 CY ARTIC	209 HP D	211,881	48.61	62.96	11.34	21.71	7.62	24.61	10.03	544	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL				
<b>LOADERS, F.E., WHEEL TYPE (CONT'D)</b>												
<b>INTERNATIONAL (CONT'D)</b>												
5215	560B 7-1/2 CY ARTIC	415 HP D	304,545	73.59	94.69	16.22	30.93	15.14	35.06	19.92	830	
5220	570 12 CY ARTIC	590 HP D	625,885	138.43	177.32	33.39	63.73	21.52	72.25	28.32	1350	
<b>TEREX (GM)</b>												
5230	72-31B 3 CY ARTIC	160 HP D	106,524	28.85	37.54	6.16	11.72	5.84	13.68	7.68	309	
5235	72-51B 4 CY ARTTC	231 HP D	160,460	39.50	50.50	8.64	16.66	8.43	18.91	11.09	465	
5240	72-61 5-1/2 CY ARTIC	307 HP D	211,356	53.17	68.98	11.31	21.65	11.20	24.55	14.74	605	
5245	72-71B 7-1/2 CY ARTIC	388 HP D	304,368	72.28	92.96	16.22	30.91	14.15	35.04	18.62	857	
5250	72-81 9 CY ARTIC	434 HP D	424,178	97.00	126.14	22.44	42.44	15.83	48.06	20.83	1166	
<b>TROJAN</b>												
5260	1500 1-3/4 CY ARTIC	85 HP D	65,312	16.82	21.68	3.80	7.26	3.10	8.48	4.08	180	
5265	1900 2-1/4 CY ARTIC	117 HP G	75,086	25.77	33.32	4.35	8.31	8.57	9.70	11.17	212	
5270	2000 3 CY ARTIC	144 HP D	107,736	28.26	36.73	6.23	11.86	5.25	13.84	6.91	306	
5275	2500 4 CY ARTIC	182 HP D	132,519	35.36	46.28	7.63	14.46	6.64	16.87	8.74	393	
5280	3000 4-1/4 CY ARTIC	215 HP D	143,337	39.11	51.15	8.26	15.67	7.84	18.27	10.32	436	
5285	5500 5-1/2 CY ARTIC	285 HP D	211,507	52.15	67.63	11.31	21.66	10.40	24.57	13.68	636	
5290	7500 7 CY ARTIC	400 HP D	283,159	69.35	89.54	15.06	28.63	14.59	32.44	19.20	846	
<b>LOADER/BACKHOE, WHEEL TYPE TRACTOR</b>												
<b>CASE</b>												
5300	580D LDR/BHoe 1.0 CY FE BUCKET 24" B/H DIPPER	55 HP D	45,262	11.43	14.34	2.65	5.10	2.01	5.96	2.64	115	
5305	680H LDR/BHoe 1-1/4 CY FE BUCKET 30" B/H DIPPER	80 HP D	64,858	16.47	20.70	3.79	7.28	2.92	8.51	3.84	165	
<b>JOHN DEERE</b>												
5315	410B LDR/BH 1 CY FE BUCKET 24" B/H DIPPER	62 HP D	43,357	11.59	14.65	2.50	4.76	2.26	5.55	2.98	137	
5320	510 LDR/BHoe 1-1/2 CY FE BUCKET 24" B/H DIPPER	80 HP D	66,517	16.88	21.22	3.87	7.41	2.92	8.65	3.84	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>LOADER/BACKHOE, CRLR TYPE TRACTOR</b>														
<b>CASE</b>														
5330	350B LDR/BHOE 3/4 CY FE BUCKET 24" B/H DIPPER	39 HP D	49,163	13.87	17.66	2.90	5.79	1.54	6.80	2.02	141			
5335	450B LDR/BHOE 1 CY FE BUCKET 24" B/H DIP	53 HP D	60,139	17.25	21.98	3.54	7.08	2.09	8.32	2.75	167			
<b>CATERPILLAR</b>														
5345	931BLDR/BHOE 1 CY FE BUCKET 30" B/H DIPPER	65 HP D	54,840	16.63	21.24	3.23	6.45	2.56	7.59	3.37	207			
<b>LOADER/BACKHOE ATTACHMENTS</b>														
HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE OR HYDRAULIC EXCAVATOR (ADD TO THE BASIC LOADER-BACKHOE OR EXCAVATOR)														
5365	KENT RAM 555 W/NARROW CHISEL		4,796	1.95		0.35	0.76	0.00		6				
5370	KENT RAM 999 W/NARROW CHISEL		9,376	4.05		0.73	1.58	0.00		10				
5375	KENT RAM 2000 W/CHISEL-MIN 3/4CY B/H		19,315	7.80		1.40	3.06	0.00		21				
5380	KENT KHP-12 HYDRA-PAK TAMPER		5,022	1.77		0.36	0.79	0.00		9				
5385	KENT KHP-25 HYDRA-PAK MIN 3/4CY B/H		7,872	2.75		0.58	1.25	0.00		15				
<b>PILE EXTRACTORS</b>														
<b>MKT CORPORATION</b>														
5395	E2	700 FT-LBS	400CFM A	13,727	4.44		0.99	2.17	0.00	27				
5400	E4	1000 FT-LBS	550CFM A	20,685	6.65		1.50	3.27	0.00	47				
<b>VULCAN</b>														
5410	400A	500 FT-LBS	450CFM A	16,200	5.21		1.17	2.56	0.00	30				
5415	800A	1000 FT-LBS	900CFM A	21,911	7.17		1.59	3.46	0.00	57				
5420	1200A	1640 FT-LBS	1350CFM A	25,740	8.62		1.87	4.07	0.00	97				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE		OWNERSHIP	FUEL	OWNERSHIP					
PILE HAMMERS, DIESEL													
*****													
(FUEL NOT INCLUDED)													
MKT CORPORATION													
5430	DE-30B/20B (6-FT) 12,000 FT-LBS	35,541	10.93		2.58	5.62	0.00		74				
5435	DE-30B/20B (6-FT) 16,800 FT-LBS	36,886	11.35		2.68	5.84	0.00		82				
5440	DE-70B/50B (6-FT) 30,000 FT-LBS	63,576	19.51		4.61	10.06	0.00		138				
5445	DE-70B/50B (6-FT) 42,000 FT-LBS	67,557	20.73		4.90	10.69	0.00		158				
PILE HAMMERS, SINGLE ACTING													
*****													
VULCAN													
5455	1 15000 FT-LBS 750CFM A	35,365	11.22		2.56	5.59	0.00		101				
5460	06 19500 FT-LBS 900CFM A	40,502	12.86		2.94	6.41	0.00		121				
5465	08 26000 FT-LBS 1100CFM A	46,616	14.84		3.38	7.38	0.00		175				
5470	010 32500 FT-LBS 1350CFM A	51,072	16.32		3.70	8.08	0.00		195				
5475	012 39000 FT-LBS 1500CFM A	57,345	18.15		4.16	9.07	0.00		287				
5480	014 42000 FT-LBS 1750CFM A	68,453	21.84		4.97	10.83	0.00		283				
5485	016 48750 FT-LBS 1750CFM A	81,083	25.71		5.88	12.83	0.00		320				
5490	020 60000 FT-LBS 2150CFM A	94,575	30.02		6.85	14.96	0.00		425				
5495	030 90000 FT-LBS 2350CFM A	158,603	49.73		11.50	25.10	0.00		575				
PILE HAMMERS, DOUBLE ACTING													
*****													
MKT CORPORATION													
5505	9-B-3 8750 FT-LBS 900CFM A	26,002	8.42		1.88	4.11	0.00		74				
5510	10-B-3 13100 FT-LBS 1200CFM A	30,847	10.07		2.24	4.89	0.00		114				
5515	11-B-3 19150 FT-LBS 1200CFM A	41,958	13.46		3.04	6.64	0.00		141				
5520	5 (SELF STOP) 1000 FT-LBS 375CFM A	10,788	3.53		0.78	1.70	0.00		17				
5525	6 (SELF STOP) 2500 FT-LBS 600CFM A	13,543	4.46		0.98	2.14	0.00		31				
5530	7 (SELF STOP) 4150 FT-LBS 750CFM A	17,441	5.75		1.27	2.76	0.00		50				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.						
					AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP						
<b>PILE HAMMERS, DOUBLE ACTING (CONT'D)</b>															
VULCAN															
5540	50C	15100 FT-LBS	1250CFM A	44,991	14.41		3.27	7.12	0.00	153					
5545	65C	19200 FT-LBS	1450CFM A	51,527	16.51		3.73	8.15	0.00	153					
5550	80C	24450 FT-LBS	1750CFM A	55,321	17.82		4.01	8.75	0.00	184					
5555	100C	32900 FT-LBS	2050CFM A	66,613	21.43		4.83	10.54	0.00	232					
5560	140C	36000 FT-LBS	2150CFM A	83,923	26.77		6.09	13.28	0.00	287					
5565	200C	50200 FT-LBS	2550CFM A	121,020	38.33		8.78	19.15	0.00	398					
<b>PILE HAMMERS, VIBRATORY</b>															
MKT CORPORATION															
5575	V5	WITH POWER PACK	59 HP D	62,842	21.97		4.56	9.94	2.15	110					
5580	V16	WITH POWER PACK	156 HP D	122,787	44.84		8.90	19.42	5.69	215					
5585	V20	WITH POWER PACK	295 HP D	167,414	64.98		12.13	26.48	10.76	257					
<b>PIPELAYER</b>															
CATERPILLAR															
5595	561D	15 FT BOOM, 40,000 LB CAP 105 HP D	110,218	20.19	24.69	6.13	10.43	2.12	11.63	2.72					
5600	571G	18 FT BOOM, 60,000 LB CAP 200 HP D	176,378	33.15	40.60	9.81	16.69	4.03	18.61	5.18					
5605	572G	18 FT BOOM, 90,000 LB CAP 200 HP D	201,328	37.17	45.47	11.23	19.10	4.03	21.30	5.18					
5610	583K	20 FT BOOM, 140,000 LB CAP 300 HP D	253,929	48.06	58.88	14.13	24.03	6.05	26.80	7.78					
5615	594H	24 FT BOOM, 200,000 LB CAP 410 HP D	354,400	66.82	81.88	19.72	33.53	8.27	37.41	10.63					
<b>PUMPS, GROUT</b>															
CHEMGROUT															
5625	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM		12,003	3.09		0.78	1.61	0.00		11					
5630	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM		4,432	1.18		0.28	0.59	0.00		5					
5635	CG-600 ATR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM		17,712	4.62		1.14	2.36	0.00		18					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	SEVERE OWNER-SHIP	AVERAGE FUEL	SEVERE FUEL				
<b>PUMPS, GROUT (CONT'D)</b>												
<b>CHEMGROUT (CONT'D)</b>												
5640	CG-620 COLLOIDAL ADD-ON TO CG-500	7,652	1.93	0.50	1.03	0.00			11			
<b>PUMPS, WATER (FOR CORE DRILLS)</b>												
<b>LONGYEAR</b>												
5650	520 RQG 5.7-20 GPM UP TO 600PSI	10 HP G	6,487	2.60	0.38	0.76	1.01		7			
5655	535 RQG 9.9-35 GPM UP TO 800PSI	15 HP G	8,195	3.62	0.48	0.97	1.52		10			
<b>PUMPS, WATER,CENTRIFUGAL,DEWATERING</b>												
<b>HOMELITE - SKID MOUNTED</b>												
5665	MOD 110S 1-1/2"-5000 GPH @ 30' H	2 HP G	431	0.34	0.03	0.05	0.20		1			
5670	MOD 111S 2" - 9000 GPH @ 22' H	3 HP G	546	0.50	0.03	0.06	0.30		1			
5675	MOD 120S 3" - 18000 GPH @ 20' H	8 HP G	989	1.27	0.06	0.12	0.81		2			
<b>MARLOW - WHEEL MOUNTED</b>												
5685	MOD 4D2 465 GPM @ 20' HEAD	43 HP G	8,585	7.43	0.51	1.02	4.34		14			
5690	MOD 4C7 595 GPM @ 20' HEAD	30 HP D	4,936	3.08	0.29	0.58	1.53		10			
5695	MOD 6E4A 1100 GPM @ 20' HEAD	79 HP G	11,382	12.78	0.68	1.35	7.98		15			
5700	MOD 6E4A 1100 GPM @ 20' HEAD	60 HP D	16,387	7.44	0.97	1.94	3.05		24			
5705	MOD 8FA3 2320 GPM @ 20' HEAD	70 HP D	21,086	9.07	1.25	2.50	3.56		23			
5710	MOD 10FA61 2775 GPM @ 20' HEAD	68 HP D	22,389	9.18	1.32	2.65	3.46		30			
<b>PUMPS, WATER, CENTRIFUGAL, TRASH</b>												
<b>HOMELITE - SKID MOUNTED</b>												
5720	MOD 121TP 2" - 11500 GPH @ 20' H	5 HP G	867	0.84	0.05	0.10	0.51		1			
5725	MOD 120 3" - 23000 GPH @ 20' H	8 HP G	1,206	1.32	0.08	0.15	0.81		2			
5730	MOD 160TP 4" - 36500 GPH @ 20' H	16 HP G	2,417	2.61	0.14	0.28	1.62		4			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT							
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL	OWNERSHIP	FUEL							
					AVERAGE	SEVERE											
<b>PUMPS, WATER, DIAPHRAGM</b> *****																	
HOMEELITE - SKID MOUNTED																	
5740	MOD 111DP 2" - 1900 GPH @ 10' HD	3 HP G	1,040	0.60			0.06	0.12	0.30	1							
5745	MOD 111DP 3" - 4800 GPH @ 10' HD	3 HP G	1,206	0.65			0.08	0.15	0.30	2							
<b>PUMPS, WATER, SUBMERSIBLE</b> *****																	
GORMAN-RUPP																	
5755	MOD S2A1 2" - 138 GPM @ 20' HD	2 HP E	1,535	0.44			0.09	0.18	0.14	2							
5760	MOD S3A1 3" - 278GPM @ 20' HD	5 HP E	2,124	0.85			0.12	0.25	0.36	3							
5765	MOD S4A1 4" - 860 GPM @ 40' HD	25 HP E	7,694	3.82			0.45	0.91	1.80	12							
5770	MOD S6A1 6" - 1950 GPM @ 40' HD	60 HP E	10,151	7.86			0.60	1.20	4.32	14							
HOMEELITE																	
5780	MOD SP200 2" - 13000 GPH @ 10' HD	2 HP E	1,323	0.40			0.08	0.15	0.14	1							
5785	MOD SP300 3" - 19000 GPH @ 15' HD	4 HP E	1,632	0.67			0.09	0.19	0.29	1							
<b>RIPPER &amp; HYDRAULIC BANK SLOPER</b> *****																	
(DOES NOT INCLUDE COST OF POINT WEAR)																	
<b>ATECO</b>																	
5795	VRAR-1 D9H RADIAL LIFT		40,687	9.82	13.27	2.64	5.63	0.00	7.02	0.00							
5800	D-9H SHANKS EA			3,192	0.76	1.03	0.21	0.44	0.00	0.55							
5805	LPAS-D8K PARALLEL LIFT			23,617	5.74	7.74	1.53	3.27	0.00	4.06							
5810	D-8K SHANKS EA				2,296	0.55	0.75	0.15	0.32	0.00							
5815	LPAS-D7G PARALLEL LIFT				19,608	4.77	6.44	1.27	2.71	0.00							
5820	D-7G SHANKS EA					1,399	0.34	0.45	0.10	0.20							
5825	PS D6D RADIAL LIFT					8,947	2.22	2.98	0.58	1.24							
5830	D-6C SHANKS EA						0.07	0.10	0.02	0.04							
5835	V-LPRF-TD25C PARALLEL LIFT STD SVC					20,326	4.94	6.67	1.32	2.81							
5840	TD-25C SHANKS EA						0.44	0.60	0.12	0.25							
5845	V-LPRF-TD20E PARALLEL LIFT STD SVC					1,835			0.00	0.32							
						14,852	3.64	4.89	0.97	2.06							
									0.00	2.56							
										51							

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				
RIPPER & HYDR BANK SLOPER (CONT'D)													
***** (DOES NOT INCLUDE COST OF POINT WEAR)													
ATECO (CONT'D)													
5850	TD-20E	SHANKS EA	1,336	0.31	0.43	0.08	0.18	0.00	0.23	0.00			
5855	PS-TD15C	RADIAL LIFT	8,349	2.08	2.79	0.55	1.16	0.00	1.44	0.00			
5860	TD-15C	SHANKS EA	289	0.07	0.09	0.02	0.04	0.00	0.05	0.00			
5865	V-LPRF 82-50	PARALLEL LIFT STD SVC	22,936	5.57	7.52	1.48	3.17	0.00	3.96	0.00			
5870	82-50	SHANKS EA	1,835	0.44	0.60	0.12	0.25	0.00	0.32	0.00			
5875	LPRS-82-50	PARALLEL LIFT EXT SVC	22,288	5.42	7.31	1.45	3.09	0.00	3.85	0.00			
5880	82-50	SHANKS EA	4,258	1.02	1.39	0.28	0.59	0.00	0.74	0.00			
5885	V-LPRF-82-30	PARALLEL LIFT	20,326	4.94	6.67	1.32	2.81	0.00	3.51	0.00			
5890	82-30	SHANKS EA	1,835	0.44	0.60	0.12	0.25	0.00	0.32	0.00			
5895	D9,D8;82-30,82-50;TD25	HYDR BANK SLOP	8,701	1.80	2.27	0.51	1.02	0.00	1.20	0.00			
CATERPILLAR													
5905	D-10 MULTI-SHANK BEAM		46,918	11.31	15.29	3.04	6.49	0.00	8.10	0.00			
5910	D-10 SHANKS EA		3,419	0.83	1.11	0.23	0.48	0.00	0.59	0.00			
5915	D-10 STNGLE-SHANK BEAM		49,907	12.03	16.26	3.24	6.91	0.00	8.62	0.00			
5920	D-9L MULTI-SHANK BEAM W/HYD-CONTROL		39,729	9.59	12.96	2.58	5.50	0.00	6.86	0.00			
5925	D-9L SHANKS EA		3,074	0.73	1.00	0.20	0.42	0.00	0.53	0.00			
5930	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK		36,990	8.94	12.08	2.40	5.12	0.00	6.39	0.00			
5935	D-8L MULTI-SHANK BEAM HYD-CONTROL		26,783	6.50	8.76	1.74	3.71	0.00	4.52	0.00			
5940	D-8L SHANKS EA		1,727	0.41	0.56	0.11	0.24	0.00	0.30	0.00			
5945	D-8L SINGLE-SHANK BEAM HYD-CNTL&SHANK		26,051	6.32	8.53	1.69	3.61	0.00	4.50	0.00			
5950	D-7G MULTI-SHANK BEAM HYD-CONTROL		14,973	3.66	4.94	0.97	2.07	0.00	2.59	0.00			
5955	D-7G SHANKS EA		889	0.22	0.29	0.06	0.13	0.00	0.16	0.00			
5960	D-6D MULTI-SHANK BEAM HYD-CONTROL		9,367	2.33	3.12	0.61	1.30	0.00	1.62	0.00			
5965	D-6D SHANKS EA		455	0.11	0.15	0.03	0.06	0.00	0.08	0.00			
5970	D-4E MULTI-SHANK BEAM HYD-CONTROL		5,784	1.46	1.96	0.37	0.80	0.00	1.00	0.00			
5975	D-4E SHANKS EA		245	0.05	0.08	0.02	0.03	0.00	0.04	0.00			

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

UNIT #.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	COND.	SEVERE	COND.					
			AVERAGE	SEVERE		OWNER-SHIP	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>														
5980	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,563	0.69	0.92	0.16	0.35	0.00	0.45	0.00	7				
5985	D-3B SHANKS EA	135	0.03	0.05	0.01	0.02	0.00	0.03	0.00	1				
<b>FIAT-ALLIS</b>														
5995	41-R W/HYD-CNTL AND 2 SHANKS	55,525	13.34	18.05	3.59	7.68	0.00	9.58	0.00	195				
6000	31-R W/HYD-CNTL AND 2 SHANKS	45,082	10.84	14.67	2.92	6.23	0.00	7.79	0.00	189				
6005	30-R W/HYD-CNTL AND 2 SHANKS	29,245	7.06	9.53	1.90	4.05	0.00	5.05	0.00	108				
6010	RP20B W/HYD-CNTL AND 3 SHANKS	27,619	6.66	9.01	1.79	3.82	0.00	4.77	0.00	88				
<b>ROLLER, RUBBER TIRED, SELF-PROPELLED</b> *****														
<b>FERGUSON</b>														
6020	MOD SP-912 12 TON 82 HP D	38,775	11.75		2.25	4.39	2.99			82				
6025	MOD SP-915 15 TON 85 HP D	39,791	12.09		2.31	4.51	3.10			105				
6030	MOD SP-1118 18 TON 85 HP D	48,776	13.97		2.84	5.53	3.10			111				
6035	MOD SP-1130 30 TON 125 HP D	73,768	22.06		4.57	8.87	4.56			228				
<b>INGRAM</b>														
6045	9-2800-P 12 TON 76 HP D	30,169	9.72		1.75	3.39	2.77			73				
6050	9-2800-PA 12 TON 76 HP D	32,458	10.19		1.88	3.66	2.77			86				
6055	9-3400-P 15 TON 78 HP D	33,231	10.44		1.93	3.75	2.85			97				
6060	11-2700 15 TON 107 HP G	32,020	16.41		1.85	3.58	7.84			89				
6065	11-2700 15 TON 76 HP D	35,642	10.98		2.07	4.01	2.77			91				
6070	13-2300 15 TON 107 HP G	33,462	16.73		1.93	3.73	7.84			86				
6075	13-2300 15 TON 76 HP D	37,100	11.19		2.15	4.15	2.77			90				
6080	9-6000 27 TON 117 HP D	81,196	22.23		4.70	9.10	4.27			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	SEVERE	OWNER-SHIP	AVERAGE COND. FUEL				
<b>ROLLER, R/T, SELF-PROPELLED (CONT'D)</b>												
<b>TAMPO</b>												
6090	SP-312	12 TON	68 HP D	33,539	10.05		1.94	3.78	2.48	66		
6095	SP-518	15 TON	68 HP D	41,593	11.70		2.43	4.74	2.48	95		
6100	SP-950	27 TON	130 HP D	84,778	23.52		4.92	9.55	4.74	198		
6105	SP-1070 M	35 TON	130 HP D	103,420	27.85		5.89	11.19	4.74	258		
<b>ROLLER, RUBBER TIRED, TOWED</b>												
<b>FERGUSON</b>												
6115	RT-100S	50 TON		56,557	11.22		2.99	5.19	0.00	200		
6120	RT-120S	60 TON		65,886	13.81		3.69	6.88	0.00	218		
<b>SOUTHWEST</b>												
6130	C 75	75 TON		69,545	13.82		3.66	6.34	0.00	408		
6135	C 50	50 TON		62,670	12.54		3.36	5.96	0.00	344		
6140	C 100XL	100 TON		97,426	19.54		5.30	9.57	0.00	601		
<b>TAMPO</b>												
6150	R-13	14 TON		8,547	1.85		0.47	0.84	0.00	35		
<b>ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED</b>												
<b>FERGUSON</b>												
6160	MOD 112	40"X48"	3-7 TON	11,876	2.56		0.70	1.38	0.00	65		
6165	MOD 112W	40"X48"	4.5-8 TON	15,115	3.22		0.89	1.75	0.00	91		
6170	MOD 112W-48	48"X48"	5-10 TON	15,596	3.32		0.92	1.81	0.00	105		
6175	MOD 120	60"X60"	8-18 TON	23,354	4.91		1.38	2.71	0.00	157		
6180	MOD 120 MOD	60"X60"	8-18 TON	35,708	7.45		2.10	4.14	0.00	230		
6185	MOD 120-RE	60"X60"	11-22.5TON	53,943	11.19		3.18	6.26	0.00	327		
6190	MOD 22	60"X72"	16-20 TON	35,270	7.37		2.07	4.09	0.00	215		
6195	MOD 22 MOD	60"X72"	16-20 TON	41,182	8.57		2.43	4.78	0.00	269		

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							
	ROLLER, SHEEPSFOOT, DD, TOWED (CONT'D)										
	*****										
	FERGUSON (CONT'D)										
6200	MOD 144-RE 60"X72" 19-24 TON	63,495	13.16		3.74	7.37	0.00			385	
	TAMPO										
6210	H-1 TF 40"X48" 2.6TON	5,257	1.21		0.31	0.61	0.00			32	
6215	H-2 TF 40"X48" 5 TON	10,628	2.31		0.62	1.23	0.00			63	
	ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED										
	*****										
	CATERPILLAR										
6225	815 B 40.5"X38"	210 HP D	148,253	39.94		8.73	17.21	7.66		418	
6230	825C 51"X41.5"	310 HP D	224,274	60.07		13.21	26.04	11.31		633	
6235	825C W/S BLADE	310 HP D	236,062	62.48		13.90	27.40	11.31		684	
	HYSSTER										
6245	C455-B TANDEM 80"X80" ARTIC	330 HP D	246,313	65.50		14.50	28.59	12.04		573	
	ROLLER, SMOOTH WHEEL, SELF-PROPELLED										
	*****										
	FERGUSON										
6255	3-5 TON TANDEM	39 HP D	23,897	6.66		1.41	2.77	1.42		73	
6260	4-6 TON TANDEM	39 HP D	28,950	7.70		1.70	3.36	1.42		92	
6265	5-8 TON TANDEM	85 HP D	39,882	12.03		2.35	4.63	3.10		121	
6270	8-10 TON TANDEM	85 HP D	42,908	12.65		2.53	4.98	3.10		162	
6275	8-12 TON TANDEM	85 HP D	46,350	13.36		2.73	5.38	3.10		164	
6280	10-14 TON TANDEM	85 HP D	50,749	14.26		2.99	5.89	3.10		206	
	INGRAM										
6290	12 TON EB 3 WHEEL 3" OVERLAP	107 HP G	51,388	20.28		3.03	5.97	7.84		134	
6295	12 TON EB 3 WHEEL 3" OVERLAP	85 HP D	55,010	15.14		3.24	6.39	3.10		136	
6300	14 TON EB 3 WHEEL 3" OVERLAP	107 HP G	54,527	20.92		3.21	6.33	7.84		221	

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.						
					AVERAGE	SEVERE	FUEL	OWNER-SHIP						
<b>ROLLER, SMOOTH WHEEL,S/P (CONT'D)</b>														
<b>INGRAM (CONT'D)</b>														
63D5	14 TON EB 3 WHEEL 3" OVERLAP	85 HP D	58,148	15.77			3.42	6.74	3.10	223				
6310	4-6 TON FB 2 WHEEL	TANDEM	54 HP G	24,199	9.88		1.42	2.81	3.96	82				
6315	6-9 TON GB 2 WHEEL	TANDEM	107 HP G	34,329	16.77		2.03	3.99	7.84	133				
6320	6-9 TON GB 2 WHEEL	TANDEM	76 HP D	37,952	11.23		2.23	4.40	2.77	135				
6325	8-12 TON HB 2 WHEEL	TANDEM	107 HP G	41,635	18.27		2.46	4.84	7.84	171				
6330	8-12 TON HB 2 WHEEL	TANDEM	76 HP D	45,257	12.73		2.66	5.25	2.77	173				
6335	10-14 TON HB 2 WHEEL	TANDEM	107 HP G	45,398	19.04		2.68	5.27	7.84	258				
6340	10-14 TON HB 2 WHEEL	TANDEM	76 HP D	49,031	13.50		2.89	5.69	2.77	262				
<b>ROLLER, VIBRATORY,SINGLE DRUM,TOWED</b>														
<b>*****</b>														
TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
<b>DYNAPAC</b>														
6350	CK-11 40HZ 30"X55"	5 TON 18 HP G	12,472	5.70			0.81	1.70	1.82	31				
6355	CF-11 40HZ TF 30"X55"	5 TON 18 HP G	15,261	6.46			0.98	2.07	1.82	32				
6360	CH-47 27HZ 47"X74"	13 TON 43 HP D	31,141	11.30			2.01	4.24	2.19	130				
6365	CF-47 27HZ TF 47"X74"	13 TON 43 HP D	33,791	12.03			2.19	4.60	2.19	135				
6370	CK-51 25HZ 59"X83"	24 TON 95 HP D	48,140	19.25			3.11	6.55	4.83	221				
6375	CF-51 25HZ TF 59"X83"	24 TON 95 HP D	50,415	19.88			3.25	6.86	4.83	216				
<b>FERGUSON</b>														
6385	65 25HZ TF 60"X72" 11 TON	49 HP D	33,627	12.36			2.17	4.58	2.49	110				
6390	652 30HZ TF 44"X72" 11 TON	49 HP D	36,573	13.17			2.36	4.98	2.49	127				
6395	230 25HZ 66"X78" 20 TON	77 HP D	58,900	21.09			3.81	8.02	3.92	237				
6400	230T 25HZ TF 66"X78" 21 TON	77 HP D	64,282	22.57			4.15	8.75	3.92	268				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE COND.		SEVERE COND.							
					AVERAGE	SEVERE	OWNER-SHIP	FUEL						
<b>ROLLER, VIBRATORY, SD, TOWED (CONT'D)</b>														
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
Hyster														
6410	C200B	30HZ	48"X60"	9 TON	36 HP D	30,331	10.63	1.96	4.13	1.83	80			
6415	C210A	30HZ	TF 58"X60"	9 TON	39 HP D	36,154	12.42	2.33	4.92	1.98	100			
Raygo														
6425	SF-54A	TF	38HZ 30"X54"	7.5TON	30 HP D	17,996	6.86	1.16	2.45	1.53	48			
6430	SM-54A		38HZ 30"X54"	7.5TON	30 HP D	16,329	6.41	1.06	2.23	1.53	48			
Southwest														
6440	756	25HZ	TF 66"X78"	23.5TON	75 HP D	72,873	24.82	4.71	9.92	3.82	240			
6445	566	33HZ	TF 56"X72"	25.5TON	50 HP D	55,526	18.44	3.58	7.55	2.54	165			
TAMPO														
6455	VC-80	27HZ	48"X60"	7.5TON	36 HP D	22,489	3.47	1.46	3.06	1.83	71			
6460	VS-125	25HZ	TF 48"X72"	11 TON	60 HP D	44,773	16.11	2.89	6.09	3.05	145			
6465	VC-400	23HZ	60"X84"	21.5TON	90 HP D	60,613	22.38	3.92	8.25	4.58	227			
<b>ROLLER, VIB, SINGLE DRUM, SELF-PROPELLED</b>														
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
Dynapac														
6475	CA-15	29HZ	48"X66"	11 TON	73 HP D	55,104	19.80	3.55	7.43	3.71	126			
6480	CA-15A	42HZ	48"X66"	12 TON	73 HP D	61,591	21.66	3.91	8.09	3.71	137			
6485	CA-15PD	29HZ	TF 53"X66"	13 TON	73 HP D	69,190	23.68	4.45	9.35	3.71	151			
6490	CA-25A	40HZ	60"X84"	18 TON	125 HP D	82,761	30.75	5.30	11.07	6.36	213			
6495	CA-25	28HZ	60"X84"	18 TON	125 HP D	65,954	26.14	4.21	8.76	6.36	193			
6500	CA-25S	28HZ	61"X84"	22 TON	125 HP D	69,809	27.19	4.45	9.28	6.36	216			
6505	CA-25PD	28HZ	68"X84"	22 TON	125 HP D	79,977	30.00	5.1	10.67	6.36	240			

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.			
<b>ROLLER, VIBRATORY,SD,S/P (CONT'D)</b>												
<b>*****</b>												
	TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY TN HERTZ DYNAMIC FORCE SHOWN IN TONS											
	DYNAPAC (CONT'D)											
6510	CA-30 28HZ 61"X84" 22 TON 125 HP D	73,429	28.20		4.69	9.78	5.36			235		
6515	CA-30D 28HZ 61"X84" 22 TON 125 HP D	91,410	33.14		5.85	12.22	6.36			245		
	FERGUSON											
6525	SP 266 42HZ 48"X66" 15 TON 125 HP D	77,916	29.35		5.03	10.60	6.36			213		
6530	SP 75BA 30HZ 60"X84" 18 TON 85 HP D	68,992	24.43		4.41	9.20	4.32			197		
6535	SP 75D 30HZ 60"X84" 22.5 TON 120 HP D	72,896	27.74		4.66	9.71	6.11			179		
6540	SP 75DT 30HZ TF 60"X84" 22.5 TON 120 HP D	81,777	30.18		5.23	10.91	6.11			224		
	INGERSOLL RAND											
6550	SPF-56 30HZ TF 56"X84" 21 TON 115 HP D	82,215	29.97		5.26	10.97	5.85			222		
6555	SP-60DD 25HZ 60"X100" 30 TON 210 HP D	129,375	49.00		8.27	17.25	10.68			450		
	RAYGO											
6565	RASCAL 220A 30HZ TF38"X48" 6 TON 70 HP D	53,761	19.23		3.46	7.28	3.56			97		
6570	RASCAL 303A 38HZ 48"X66" 8 TON 70 HP D	53,744	19.24		3.45	7.24	3.56			137		
6575	RASCAL 320A 25HZ TF48"X60" 8 TON 80 HP D	70,441	24.47		4.53	9.52	4.07			151		
6580	RASCAL 320S 25HZ 48"X60" 8 TON 80 HP D	61,428	21.99		3.95	8.28	4.07			144		
6585	RUSTLER 304A 28HZ 48"X66" 8 TON 70 HP D	57,702	20.40		3.65	7.56	3.56			130		
6590	RASCAL 400A 25HZ 59"X84"13.5TON 88 HP D	69,353	24.74		4.43	9.23	4.48			213		
6595	RUSTLER 404B 28HZ 59"X84"13.5TON 88 HP D	79,903	27.63		5.12	10.69	4.48			175		
6600	RASCAL 410A 25HZ 59"X84"13.5TON 88 HP D	75,462	26.41		4.82	10.05	4.48			230		
6605	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	88,686	32.00		5.68	11.87	6.05			225		
6610	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	75,252	28.70		4.81	10.03	6.36			224		
6615	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	98,532	34.70		6.32	13.23	6.05			358		
6620	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	85,630	31.15		5.49	11.48	6.05			316		
6625	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	81,784	30.54		5.20	10.80	6.36			263		

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						
<b>ROLLER, VIBRATORY, SD, S/P (CONT'D)</b>														
<b>*****</b>														
TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
<b>TAMPO</b>														
6635	RS-16A	26HZ	48"X24"	7.5TON	68 HP	D	54,281	19.33	3.43					
6640	RS-16	26HZ	48"X24"	8 TON	68 HP	D	47,510	17.40	3.06					
6645	RS-16D	26HZ	48"X24"	8 TON	80 HP	D	57,733	20.97	3.71					
6650	RH-16A	26HZ	48"X24"	9 TON	75 HP	D	63,405	22.30	4.02					
6655	RP-16D	26HZ TF	48"X24"	9 TON	80 HP	D	63,519	22.57	4.09					
6660	RP-28D	25HZ TF	63"X84"	15 TON	110 HP	D	82,899	29.86	5.30					
6665	RS-28C	25HZ	60"X84"	15 TON	107 HP	D	68,966	25.83	4.40					
6670	RS-28D	25HZ	60"X84"	15 TON	107 HP	D	74,547	27.36	4.76					
6675	RH-28D	28HZ	60"X84"	22.5TON	110 HP	D	95,095	33.21	6.08					
<b>ROLLER, VIB, DOUBLE DRUM, SELF-PROPELLED</b>														
<b>*****</b>														
TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
<b>DYNAPAC</b>														
6685	LR-50	60HZ	TANDEM	2 TON	16 HP	D	9,774	3.70	0.63					
6690	CC-10	50HZ	TANDEM	2 TON	34 HP	D	28,444	9.99	1.84					
6695	CC-21	50HZ	TANDEM	4 TON	71 HP	D	63,821	22.06	4.12					
6700	CC-42II	42HZ	TANDEM	12 TON	125 HP	D	81,900	30.42	5.28					
6705	CC-50A	40HZ	TANDEM	18 TON	155 HP	D	103,522	38.30	6.69					
6710	CC-50S	28HZ	TANDEM	22 TON	181 HP	D	119,006	41.21	7.69					
6715	CC-50PD	28HZ TF	TANDEM	22 TON	225 HP	D	133,642	51.02	8.64					
<b>RAYGO</b>														
6725	REBEL 1-36	40HZ TANDEM	2 TON	16 HP	D		9,344	3.72	0.64					
6730	ROMPER 2-36	40HZ TANDEM	4 TON	35 HP	D		23,935	8.81	1.55					
6735	RUSTLER 5604A	50HZ TANDEM	5.5TON	70 HP	D		62,408	21.60	4.03					

TABLE 3-1. HOURLY EQUIPMENT OWNERSHP 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>ROLLER, VIBRATORY, DD, S/P (CONT'D)</b> ***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS										
6740	RUSTLER 7204A 38HZ TANDEM 8 TON 115 HP D	82,804	30.05		5.34	11.26	5.85		250	
6745	RANGER 2-66 38HZ TANDEM 8 TON 119 HP D	99,361	34.87		6.42	13.52	6.05		215	
<b>TAMPO</b>										
6755	RS-03 60HZ 36"X24" 2 TON 14 HP D	9,841	3.59		0.64	1.34	0.71		23	
6760	RS-144A 50HZ 42"X48" 8 TON 52 HP D	49,906	17.03		3.22	6.79	2.65		100	
6765	RS-166A 36HZ 48"X66" 16 TON 80 HP D	75,457	25.83		4.87	10.26	4.07		132	
6770	RS-188A 36HZ 60"X84" 30 TON 156 HP D	102,231	38.01		6.61	13.92	7.94		310	
6775	RH-199 25HZ 60"X96" 45 TON 262 HP D	152,125	58.44		9.83	20.70	13.33		491	
<b>SCRAPERS, SELF-PROPELLED</b> ***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)										
<b>CATERPILLAR</b>										
6785	613-B 13 T 11 CY P.S. 150 HP D	119,994	32.39	41.85	6.88	13.44	5.62	15.75	7.34	
6790	621-B 24 T 14-20 CY P.S. 330 HP D	241,748	62.98	82.32	13.76	27.59	11.09	32.44	14.57	
6795	623-B 25 T 22 CY P.S. 330 HP D	268,576	69.24	89.98	15.33	29.80	12.36	34.89	16.16	
6800	627-B 24 T 14-20 CY P.S. 225/225 HP D/D	282,204	79.47	104.35	16.19	32.70	15.98	38.51	20.74	
6805	627-B PP 24 T 14-20 CY P.S. 225/225 HP D/D	299,609	82.71	108.35	17.21	34.83	15.98	41.01	20.74	
6810	631-D 37.5T 21-31 CY P.S. 450 HP D	371,139	93.33	121.46	21.22	42.71	15.12	50.26	19.87	
6815	633-D 37.5T 34 CY P.S. 450 HP D	422,530	104.60	135.24	24.23	47.32	16.85	55.42	22.03	
6820	637-D 37.5T 21-31 CY P.S. 450/250 HP D/D	455,379	126.20	165.18	26.18	53.00	24.86	62.41	32.26	
6825	637-D PP 37.5T 21-31 CY P.S. 450/250 HP D/D	475,067	129.86	169.72	27.34	55.40	24.86	65.26	32.26	
6830	639-D 37.5T 24-34 CY P.S. 450/250 HP D/D	523,129	141.68	186.34	29.99	60.54	24.86	71.28	32.26	
6835	651-B 52 T 32-44 CY P.S. 550 HP D	476,538	119.16	155.34	27.19	54.65	18.48	64.30	24.29	
6840	657-B 52 T 32-44 CY P.S. 550/400 HP D/D	587,057	165.51	217.05	33.70	68.15	33.74	80.25	43.78	

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

UNTT 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>SCRAPERS, SELF-PROPELLED (CONT'D)</b>														
(CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)														
FIAT-ALLIS														
6855	161 18.7 T 15 CY P.S.	229 HP D	168,613	44.27	57.40	9.65	18.79	8.57	22.00	11.21	466			
6860	260B 25.0 T 15-21 CY P.S.	325 HP D	226,926	59.27	77.23	12.96	26.08	10.92	30.69	14.35	585			
6865	261B 26.5 T 23 CY P.S.	325 HP D	255,681	67.92	89.17	14.45	27.78	12.17	32.48	15.91	635			
6870	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	325/171 HP D/D	269,764	79.20	104.13	15.46	31.19	17.62	36.71	22.86	679			
6875	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	325/171 HP D/D	322,243	88.51	115.36	18.58	37.71	17.62	44.42	22.86	742			
INTERNATIONAL														
6885	412B 13 T 11 CY P.S.	125 HP D	120,987	31.08	39.98	6.96	13.65	4.68	16.01	6.12	335			
6890	431B 24 T 14-21 CY P.S.	326 HP D	240,360	62.09	80.93	13.73	27.60	10.95	32.47	14.40	609			
6895	433B 24 T 14-21 CY P.S. 326/185 HP D/D	326/185 HP D/D	282,249	82.19	107.88	16.19	32.71	18.15	38.52	23.55	700			
6900	442B 25 T 22 CY P.S.	326 HP D	268,658	68.61	88.88	15.38	29.99	12.21	35.12	15.96	680			
JOHN DEERE														
6910	JD762A 13.7 T 11 CY P.S.	175 HP D	128,059	34.95	44.92	7.38	14.49	6.55	16.98	8.57	355			
6915	JD862 20.0 T 16 CY P.S.	250 HP D	173,334	46.11	59.74	9.92	19.35	9.36	22.66	12.24	492			
TEREX (GM)														
6925	S-23E 26.5T 23 CY P.S.	310 HP D	258,103	65.95	85.53	14.76	28.74	11.61	33.65	15.18	660			
6930	S-24B 40.8T 24-34 CY P.S.	475 HP D	399,313	100.55	131.15	22.78	45.75	15.96	53.82	20.98	955			
6935	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	144/144 HP D/D	256,003	66.52	87.27	14.70	29.73	10.23	35.01	13.27	544			
6940	TS-18 30 T 18-24 CY P.S. 295/225 HP D/D	295/225 HP D/D	338,009	93.50	122.28	19.45	39.39	18.47	46.39	23.96	721			
6945	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	394/225 HP D/D	447,581	120.86	158.16	25.74	52.12	21.99	61.39	28.52	960			
6950	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	475/242 HP D/D	511,415	138.97	182.11	29.38	59.45	25.47	70.00	33.04	1084			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	SEVERE OWNER-SHIP	COND. FUEL	SEVERE COND. FUEL										
			AVERAGE	SEVERE															
SCRAPER, TRACTOR DRAWN																			
*****																			
ROME																			
6965	ROME 18T 12-17CY HYDR/CONTROL	73,056	12.97	15.56	3.86	7.31	0.00	8.29	0.00	235									
6970	ROME 27T 18-26CY HYDR/CONTROL	96,948	17.53	21.11	5.06	9.44	0.00	10.68	0.00	365									
SOUTHWEST																			
6980	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	37,310	6.74	8.09	1.96	3.65	0.00	4.12	0.00	137									
SOIL STABILIZER																			
*****																			
BOMAG																			
6990	MOD MPH-50 12"DEEP BY 82"WIDE	152 HP D	91,822	25.26	32.69	5.36	10.68	5.69	12.54	7.44									
6995	MOD MPH-100 14.5"DEEP X 79"WIDE	304 HP D	144,868	43.10	55.97	8.45	16.77	11.38	19.69	14.38									
BROS																			
7005	MOD LSPRM-8A 19"DEEP X 99.75"WIDE	318 HP D	131,062	40.20	51.73	7.69	15.37	11.91	18.06	15.57									
TRACTOR, CRAWLER (DOZER)																			
*****																			
CATERPILLAR																			
7015	D-3B P.S.	65 HP D	37,483	11.81	15.11	2.21	4.26	2.56	4.98	3.37									
7020	3P POWER ANGLE & POWER TILT		7,555	1.58	1.98	0.45	0.89	0.00	1.04	0.00									
7025	D-4E P.S.	80 HP D	51,215	15.68	20.04	3.02	5.83	3.15	6.80	4.15									
7030	4A ANGLE BLADE HYDRAULIC		9,094	1.89	2.37	0.54	1.07	0.00	1.26	0.00									
7035	4S STRAIGHT BLADE HYDRAULIC		7,092	1.49	1.88	0.42	0.84	0.00	0.99	0.00									
7040	D-5B P.S.	105 HP D	77,086	22.79	29.11	4.54	8.77	4.13	10.25	5.44									
7045	5A ANGLE BLADE HYDRAULIC		12,130	2.49	3.14	0.72	1.43	0.00	1.68	0.00									
7050	5S STRAIGHT BLADE HYDRAULIC		9,350	1.94	2.44	0.55	1.10	0.00	1.30	0.00									
7055	D-6D P.S.	140 HP D	104,680	30.81	39.36	6.16	11.90	5.51	13.91	7.26									
7060	6S STRAIGHT BLADE HYDRAULIC		12,265	2.51	3.16	0.72	1.44	0.00	1.69	0.00									
7065	6A ANGLE BLADE HYDRAULIC		13,869	2.83	3.58	0.81	1.63	0.00	1.92	0.00									
7070	D-7G P.S.	200 HP D	152,694	44.72	57.12	8.98	17.36	7.87	20.29	10.37									

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	AVERAGE COND.	SEVERE COND.								
					OWNER-SHIP	FUEL		OWNER-SHIP								
<b>TRACTOR, CRAWLER (DOZER) (CONT'D)</b>																
<b>CATERPILLAR (CONT'D)</b>																
7075	7S STRAIGHT BLADE HYDRAULIC	19,734	4.00	5.05	1.16	2.32	0.00	2.73	0.00	77						
7080	7U HYD. UNIVERSAL BLADE	21,621	4.38	5.53	1.28	2.55	0.00	2.99	0.00	84						
7085	7A ANGLE BLADE HYDRAULIC	17,219	3.50	4.42	1.02	2.03	0.00	2.38	0.00	68						
7090	D-8L P.S. 335 HP D	238,052	66.18	84.72	14.02	28.04	13.19	32.94	17.37	735						
7095	8S STRAIGHT BLADE HYDRAULIC	28,816	5.80	7.35	1.70	3.39	0.00	3.99	0.00	120						
7100	8U HYD. UNIVERSAL BLADE	31,762	6.39	8.09	1.87	3.74	0.00	4.40	0.00	133						
7105	8A ANGLE BLADE HYDRAULIC	28,927	5.83	7.37	1.71	3.41	0.00	4.00	0.00	133						
7110	PUSH PLATE USE W/8S	846	0.22	0.26	0.05	0.10	0.00	0.11	0.00	6						
7115	D-9L P.S. 460 HP D	317,870	80.25	99.95	17.41	34.07	18.11	38.73	23.85	1004						
7120	9S STRAIGHT BLADE HYDRAULIC	39,869	8.00	10.12	2.35	4.70	0.00	5.51	0.00	184						
7125	9U HYD. UNIVERSAL BLADE	42,133	8.45	10.70	2.48	4.96	0.00	5.83	0.00	195						
7130	9C CUSHION BLADE	35,112	7.06	8.93	2.07	4.14	0.00	4.86	0.00	160						
7135	REAR CUSHION PUSH BLOCK	10,368	2.18	2.74	0.61	1.22	0.00	1.44	0.00	4						
7140	FRONT PUSH PLATE	1,134	0.30	0.37	0.06	0.13	0.00	0.16	0.00	9						
7145	D-10 P.S. 700 HP D	533,193	131.16	163.11	29.19	57.14	27.55	64.96	36.29	1526						
7150	10S STRAIGHT BLADE HYDRAULIC	60,669	12.12	15.37	3.57	7.14	0.00	8.39	0.00	28						
7155	10U HYD. UNIVERSAL BLADE	66,630	13.32	16.87	3.93	7.85	0.00	9.22	0.00	286						
7160	FRONT PUSH PLATE	1,305	0.34	0.41	0.08	0.15	0.00	0.18	0.00	8						
7165	10C CUSHION BLADE	44,855	3.99	11.38	2.64	5.28	0.00	6.20	0.00	198						
<b>FIAT-ALLIS</b>																
7175	8-B P.S. 88 HP D	57,481	17.49	22.36	3.38	6.53	3.46	7.63	4.56	215						
7180	8-HA ANGLE BLADE HYDRAULIC	8,762	1.82	2.29	0.51	1.03	0.00	1.21	0.00	30						
7185	8-HSU SEMI-U BLADE HYDRAULIC	8,749	1.79	2.25	0.51	1.03	0.00	1.21	0.00	30						
7190	10-C P.S. 122 HP D	79,535	24.23	30.97	4.69	9.05	4.80	10.57	6.32	280						
7195	10-HA ANGLE BLADE HYDRAULIC	9,759	2.02	2.54	0.57	1.15	0.00	1.35	0.00	36						
7200	10-HSU SEMI-U BLADE HYDRAULIC	11,929	2.42	3.06	0.71	1.41	0.00	1.65	0.00	38						

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>*****</b>														
<b>FIAT-ALLIS (CONT'D)</b>														
7205	14-C P.S.	150 HP D	103,364	31.03	39.68	6.08	11.75	5.90	13.74	7.78	335			
7210	14-HA ANGLE BLADE HYDRAULIC		14,933	3.05	3.85	0.88	1.76	0.00	2.07	0.00	51			
7215	14-HSU SEMI-U BLADE HYDRAULIC		14,910	3.02	3.80	0.88	1.76	0.00	2.06	0.00	51			
7220	FD 20 P.S.	223 HP D	154,294	46.28	59.15	9.08	17.54	8.78	20.50	11.56	535			
7225	20-HA ANGLE BLADE HYDRAULIC		15,920	3.25	4.09	0.94	1.88	0.00	2.20	0.00	66			
7230	20-HS STRAIGHT BLADE HYDRAULIC		16,713	3.40	4.29	0.99	1.97	0.00	2.31	0.00	66			
7235	20-HSU SEMI-U BLADE HYDRAULIC		22,665	4.55	5.76	1.34	2.67	0.00	3.13	0.00	79			
7240	FD 30 P.S.	300 HP D	246,435	66.20	84.67	14.52	29.03	11.81	34.10	15.55	775			
7245	30HSU HYD. SEMI-UNIVERSAL BLADE		31,598	6.32	8.01	1.86	3.72	0.00	4.37	0.00	127			
7250	30-HU FULL-U BLADE HYDRAULIC		32,040	6.42	8.12	1.89	3.78	0.00	4.43	0.00	114			
7255	31 P.S.	425 HP D	290,182	81.47	104.34	17.09	34.17	16.73	40.15	22.03	908			
7260	31-HSU SEMI-U BLADE HYDRAULIC		47,566	9.50	12.04	2.80	5.60	0.00	6.58	0.00	190			
7265	31-HU FULL-U BLADE HYDRAULIC		48,766	9.73	12.34	2.87	5.74	0.00	6.75	0.00	210			
7270	31-HC CUSHION BLADE		30,546	6.15	7.78	1.80	3.60	0.00	4.23	0.00	120			
7275	FD 40 P.S.	455 HP D	352,910	86.42	107.44	19.32	37.82	17.91	43.00	23.59	1128			
7280	41-HSU SEMI-U BLADE HYDRAULIC		54,982	10.97	13.91	3.24	6.48	0.00	7.61	0.00	222			
7285	41-HU FULL-U BLADE HYDRAULIC		62,970	12.55	15.92	3.71	7.41	0.00	8.71	0.00	254			
7290	41-HC CUSHION BLADE		34,995	7.03	8.90	2.06	4.12	0.00	4.84	0.00	120			
<b>INTERNATIONAL</b>														
7300	TD-7-E P.S. W/HYD BLADE	65 HP D	47,144	13.98	17.86	2.77	5.36	2.56	6.26	3.37	139			
7305	TD-8-E P.S. W/HYD BLADE	78 HP D	59,117	17.34	22.14	3.48	6.72	3.07	7.85	4.04	172			
7310	TD-12 P.S. W/HYD BLADE	110 HP D	86,561	25.18	32.14	5.09	9.84	4.33	11.50	5.70	267			
7315	TD-15-C P.S.	140 HP D	113,921	32.88	41.98	6.70	12.95	5.51	15.13	7.26	271			
7320	15D-2 HYD. SEMI-UNIVERSAL BLADE		12,186	2.48	3.13	0.72	1.44	0.00	1.69	0.00	46			
7325	15G-2 ANGLE BLADE HYDRAULIC		13,739	2.78	3.51	0.81	1.62	0.00	1.90	0.00	50			
7330	TD-20-E P.S.	210 HP D	173,512	49.93	63.73	10.21	19.73	8.27	23.06	10.89	476			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNERSHIP	FUEL						
					AVERAGE	SEVERE	OWNERSHIP	FUEL						
<b>TRACTOR, CRAWLER (DOZER) (CONT'D)</b>														
<b>INTERNATIONAL (CONT'D)</b>														
7335	20D-2 HYD. SEMI-UNIVERSAL BLADE	21,539	4.33	5.48	1.27	2.54	0.00	2.98	0.00					
7340	20G-2 ANGLE BLADE HYDRAULIC	14,585	2.94	3.73	0.86	1.71	0.00	2.02	0.00					
7345	TD-25-E P.S. 310 HP D	228,556	62.95	80.59	13.46	26.91	12.20	31.63	16.07					
7350	25D-2 HYD. SEMI-UNIVERSAL BLADE	26,569	5.33	6.75	1.56	3.13	0.00	3.68	0.00					
7355	25G-2 ANGLE BLADE HYDRAULIC	21,966	4.41	5.59	1.29	2.58	0.00	3.04	0.00					
7360	FRONT PUSHER CUSHION	9,208	1.90	2.40	0.54	1.08	0.00	1.27	0.00					
7365	REAR PUSHER CUSHION	5,356	1.19	1.49	0.32	0.63	0.00	0.75	0.00					
7370	FRONT PUSH BLK FOR S/BLD	846	0.25	0.29	0.05	0.10	0.00	0.11	0.00					
<b>JOHN DEERE</b>														
7380	JD350C/6305 D.D. W/HYD BLADE	42 HP D	31,833	9.34	11.93	1.87	3.62	1.65	8.23					
7385	JD450C/6405 D.D. W/HYD BLADE	65 HP D	46,223	13.77	17.61	2.72	5.25	2.56	6.15					
7390	JD550/6405 P.S. W/HYD BLADE	72 HP D	55,372	16.19	20.67	3.26	6.30	2.83	7.36					
<b>KOMATSU</b>														
7400	D31A-16 H.S.	63 HP D	38,678	11.97	15.32	2.28	4.40	2.48	5.14					
7405	ANGLE TILTDOZER BLADE		6,270	1.30	1.63	0.37	0.74	0.00	0.87					
7410	D45A-1 H.S.	90 HP D	58,090	17.74	22.68	3.42	6.61	3.54	7.72					
7415	ANGLE TILTDOZER BLADE		4,495	0.94	1.18	0.27	0.53	0.00	0.62					
7420	D53A-16A H.S.	118 HP D	85,048	25.25	32.27	5.01	9.67	4.64	11.30					
7425	ANGLE TILTDOZER BLADE		7,490	1.54	1.93	0.44	0.88	0.00	1.03					
7430	D65E-6 H.S.	155 HP D	120,270	35.09	44.82	7.08	13.67	6.10	15.98					
7435	ANGLE TILTDOZER BLADE		9,788	1.99	2.51	0.57	1.15	0.00	1.35					
7440	D85A-18 H.S.	220 HP D	150,472	45.26	57.85	8.85	17.10	8.66	19.99					
7445	ANGLE TILTDOZER BLADE		15,322	3.09	3.91	0.90	1.80	0.00	2.12					
7450	U-DOZER BLADE		16,346	3.29	4.17	0.96	1.92	0.00	2.26					
7455	D155A-1 H.S.	320 HP D	215,995	60.83	77.90	12.72	25.44	12.60	29.88					
7460	ANGLE TILTDOZER BLADE		21,035	4.23	5.35	1.24	2.48	0.00	2.91					

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. FUEL	SEVERE COND. OWNER-SHIP					
<b>TRACTOR, CRAWLER (DOZER) (CONT'D)</b>														
<b>KOMATSU (CONT'D)</b>														
7465	U-DOZER BLADE	22,208	4.46	5.64	1.31	2.61	0.00	3.07	0.00	142				
7470	D355A-3 H.S. 410 HP D	290,982	80.89	103.57	17.13	34.26	16.14	40.26	21.25	945				
7475	U-DOZER BLADE	28,600	5.73	7.26	1.68	3.37	0.00	3.96	0.00	196				
7480	STRAIGHT DOZER BLADE	26,048	5.22	6.62	1.53	3.06	0.00	3.61	0.00	184				
7485	D455A-1 H.S. 620 HP D	514,902	123.97	153.98	28.19	55.18	24.40	62.74	32.14	1445				
7490	FULL U-DOZER BLADE	68,492	13.66	17.32	4.04	8.07	0.00	9.48	0.00	229				
7495	U-DOZER BLADE	64,367	12.83	16.28	3.79	7.58	0.00	8.91	0.00	211				
7500	STRAIGHT DOZER BLADE	60,240	12.02	15.23	3.55	7.10	0.00	8.33	0.00	193				
<b>TEREX (GM)</b>														
7510	82-20B P.S. (W/O BLADE) 205 HP D	173,680	49.69	63.43	10.22	19.74	8.07	23.08	10.63	428				
7515	SEMI-U BLADE HYDRAULIC	15,343	3.09	3.92	0.90	1.80	0.00	2.13	0.00	58				
7520	ANGLE BLADE HYDRAULIC	17,181	3.46	4.38	1.01	2.02	0.00	2.38	0.00	69				
7525	FULL-U BLADE HYDRAULIC	17,588	3.54	4.49	1.04	2.07	0.00	2.44	0.00	68				
7530	82-30B P.S. (W/O BLADE) 260 HP D	206,028	55.79	71.38	12.13	24.26	10.23	28.51	13.48	603				
7535	SEMI-U BLADE HYDRAULIC	21,704	4.35	5.52	1.28	2.55	0.00	3.00	0.00	91				
7540	ANGLE BLADE HYD. W/DUAL TILT	28,457	5.70	7.21	1.68	3.35	0.00	3.93	0.00	118				
7545	FULL-U BLADE HYDRAULIC	24,637	4.94	6.26	1.45	2.90	0.00	3.41	0.00	107				
7550	REAR CUSHION PUSH BLOCK	7,141	1.54	1.92	0.42	0.84	0.00	0.99	0.00	30				
7555	82-50 P.S. (W/O BLADE) 370 HP D	290,907	78.92	100.97	17.13	34.26	14.56	40.25	21.18	833				
7560	SEMI-U BLADE HYDRAULIC	28,357	5.68	7.19	1.67	3.34	0.00	3.92	0.00	118				
7565	FULL-U BLADE HYDRAULIC	31,078	6.22	7.88	1.83	3.66	0.00	4.30	0.00	129				
7570	ANGLE BLADE HYDRAULIC	27,639	5.54	7.01	1.63	3.26	0.00	3.82	0.00	157				
7575	PUSH PLATE (WELD ON)	1,150	0.28	0.34	0.07	0.14	0.00	0.16	0.00	6				
7580	PUSH BLOCK (CUSHION REAR)	6,571	1.42	1.76	0.39	0.78	0.00	0.90	0.00	21				

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>TRACTOR, WHEEL TYPE (DOZER)</b>															
<b>CATERPILLAR</b>															
7590	814-B	ARTICULATED ST BLADE P.S. 210 HP D	156,717	39.11	51.39	9.07	17.94	7.66	21.04	10.08	494				
7595	824-C	ARTICULATED ST BLADE P.S. 300 HP D	230,838	58.65	78.95	13.21	25.85	10.94	30.29	14.40	624				
<b>CLARK</b>															
7605	280B	ARTICULATED ST BLADE P.S. 302 HP D	252,192	62.69	84.21	14.45	28.31	11.02	33.18	14.50	749				
7610	380B	ARTICULATED ST BLADE P.S. 572 HP D	428,411	107.40	144.05	24.30	47.10	20.87	55.12	27.46	1253				
<b>TRACTOR, WHEEL TYPE (FARM)</b>															
<b>JOHN DEERE</b>															
7620	MOD 301 A	43 HP D	13,529	4.54	5.97	0.78	1.54	1.57	1.80	2.06	38				
7625	MOD 302	50 HP D	15,238	5.15	6.77	0.88	1.74	1.82	2.04	2.40	42				
7630	MOD 401 B	62 HP D	17,230	6.10	8.00	0.99	1.96	2.26	2.30	2.98	45				
<b>TRENCHER, CHAIN - DITCH WITCH</b>															
7640	MOD C99	6"X24" TRENCH	9 HP G	3,428	1.61	2.07	0.20	0.39	0.66	0.45	0.86	6			
7645	MOD 2200	8"X36" TRENCH	18 HP G	15,179	4.98	6.40	0.89	1.75	1.32	2.05	1.72	30			
7650	MOD 2300	10"X36" TRENCH	28 HP G	17,383	6.42	8.25	1.02	2.01	2.05	2.35	2.67	33			
7655	MOD 6510	12"X54" TRENCH	64 HP D	38,303	11.18	14.37	2.23	4.40	2.33	5.16	3.07	72			
7660	MOD R100	10"X72" TRENCH	101 HP D	82,917	22.43	28.76	4.85	9.56	3.68	11.22	4.85	95			
<b>TRENCHER, WHEEL TYPE</b>															
<b>BARBER-GREENE</b>															
7670	MOD TA 56	16"X5'-10" TRENCH	100 HP D	135,024	33.36	42.58	7.96	15.80	3.65	18.54	4.80	250			
7675	MOD TA 65	28"X7'-6" TRENCH	175 HP D	194,288	49.44	63.18	11.44	22.72	6.38	26.67	8.40	431			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT						
			CONDITION	STAND-	BY	AVERAGE COND.	SEVERE COND.									
						OWNER-SHIP	FUEL	OWNER-SHIP	FUEL							
<b>TRENCHER, WHEEL TYPE (CONT'D)</b>																
<b>CLEVELAND</b>																
7685	MOD 247-HD-1 21"X7" TRENCH	84 HP D	143,678	34.45	43.94	8.46	16.81	3.06	19.73	4.03						
7690	MOD 400W-HD-1 36"X9" TRENCH	175 HP D	250,529	61.39	78.36	14.75	29.30	6.38	34.39	8.40						
<b>TRUCKS, HIGHWAY</b>																
<b>(CHASSIS ONLY)</b>																
<b>FORD</b>																
7705	F150 4X2 1/2T PKUP	6100 GVW 157 HP G	7,186	5.53	7.20	0.52	1.15	2.61	1.33	3.49						
7710	F150 4X4 1/2T PKUP	6250 GVW 157 HP G	8,914	6.04	7.84	0.65	1.44	2.61	1.66	3.49						
7715	F250 4X2 3/4T PKUP	6900 GVW 157 HP G	7,648	5.70	7.39	0.55	1.21	2.61	1.39	3.49						
7720	F250 4X4 3/4T PKUP	7400 GVW 157 HP G	9,250	6.18	8.02	0.67	1.48	2.61	1.70	3.49						
7725	F350 2AX	10000 GVW 157 HP G	8,737	6.06	7.86	0.62	1.35	2.61	1.56	3.49						
7730	F600 2AX	18500 GVW 154 HP G	15,805	11.41	14.85	0.99	1.99	5.98	2.46	7.69						
7735	F600 2AX	18500 GVW 162 HP D	21,789	9.28	12.26	1.37	2.79	3.53	3.45	4.59						
7740	F700 2AX	24500 GVW 177 HP G	18,280	13.11	17.06	1.14	2.32	6.88	2.87	8.84						
7745	F700 2AX	24500 GVW 162 HP D	24,612	9.86	13.05	1.56	3.17	3.53	3.92	4.59						
7750	F800 2AX	27000 GVW 177 HP G	20,557	13.63	17.76	1.29	2.60	6.88	3.21	8.84						
7755	F800 2AX	27000 GVW 162 HP D	26,222	10.46	13.82	1.62	3.25	3.53	4.02	4.59						
7760	LT800 3AX	43000 GVW 223 HP G	31,377	24.02	31.31	1.96	3.95	12.87	4.87	16.58						
7765	LT8000 3AX	44800 GVW 175 HP D	43,131	16.88	22.36	2.70	5.47	5.72	6.76	7.44						
7770	LTS8000 3AX	46000 GVW 175 HP D	45,137	17.30	22.93	2.83	5.72	5.72	7.08	7.44						
7775	LNT8000 3AX	46000 GVW 175 HP D	42,680	16.80	22.25	2.67	5.40	5.72	6.68	7.44						
7780	CT8000 3AX	46000 GVW 175 HP D	49,771	18.26	24.23	3.12	6.34	5.72	7.85	7.44						
7785	LT9000 3AX 58000 GVW	82000 GCW 239 HP D	65,451	24.41	32.36	4.11	8.34	7.82	10.33	10.16						
7790	LTS9000 3AX 60000 GVW	82000 GCW 239 HP D	69,508	25.31	33.54	4.37	8.85	7.82	10.94	10.16						
7795	LNT9000 3AX 60000 GVW	82000 GCW 239 HP D	65,924	24.57	32.54	4.13	8.37	7.82	10.35	10.16						
7800	CLT9000 3AX	82000 GCW 286 HP D	64,874	26.18	34.67	4.09	8.31	9.35	10.29	12.16						
										149						

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRUCKS, HIGHWAY (CONT'D)														
***** ***** (CHASSIS ONLY)														
GMC AND CHEVROLET														
7810	C10903	4X2 1/2T PKUP 6100 GVW 165 HP G	8,277	6.03	7.81	0.59	1.32	2.75	1.52	3.66				
7815	C10906	4X2 SUBURBAN 6800 GVW 160 HP G	10,576	6.55	8.48	0.76	1.70	2.66	1.97	3.55				
7820	K10906	4X4 SUBURBAN 7000 GVW 165 HP G	11,501	6.95	8.98	0.83	1.86	2.75	2.15	3.66				
7825	C20903	4X2 3/4T PKUP 8600 GVW 165 HP G	10,862	6.75	8.73	0.78	1.74	2.75	2.02	3.66				
7830	K20903	4X4 3/4T PKUP 6600 GVW 165 HP G	11,100	6.86	8.87	0.81	1.79	2.75	2.07	3.66				
7835	C30903	2AX 9000 GVW 160 HP G	10,661	6.67	8.61	0.77	1.68	2.66	1.93	3.55				
7840	C5D042	2AX 18500 GVW 161 HP G	14,440	11.49	14.94	0.90	1.81	6.25	2.24	8.04				
7845	C6D042	2AX 19200 GVW 161 HP G	15,731	11.75	15.29	0.98	1.98	6.25	2.45	8.04				
7850	C6D042	2AX 21200 GVW 165 HP D	20,419	9.08	11.98	1.28	2.60	3.60	3.22	4.68				
7855	C7D042	2AX 23160 GVW 179 HP G	16,812	12.95	16.84	1.04	2.09	6.95	2.59	8.94				
7860	C7D042	2AX 27500 GVW 185 HP D	29,235	11.60	15.33	1.84	3.72	4.03	4.59	5.24				
7865	C7D064	3AX 48500 GVW 207 HP G	32,174	23.12	30.16	1.99	3.98	11.95	4.91	15.39				
7870	C7D064	3AX 44860 GVW 205 HP D	36,439	16.80	22.18	2.26	4.54	6.70	5.62	8.71				
7875	J8C042	2AX 35000 GVW 235 HP D	39,058	18.39	24.28	2.45	4.98	7.68	6.16	9.99				
7880	J8C064	3AX 44860 GVW 210 HP D	40,353	17.84	23.56	2.52	5.08	6.87	6.27	8.93				
7885	J9C042	2AX 35000 GVW 230 HP D	45,132	16.22	21.52	2.84	5.79	5.01	7.17	6.52				
7890	J9C064	3AX 50000 GVW 335 HP D	54,857	26.06	34.43	3.45	7.01	10.95	8.68	14.24				
7895	N9E064	3AX 56000 GVW 307 HP D	63,384	26.79	35.39	3.99	8.08	10.04	9.99	13.05				
7900	N9E064	3AX 62000 GVW 307 HP D	63,661	26.97	35.64	3.99	8.06	10.04	9.96	13.05				
INTERNATIONAL														
7910	SCOUT	4X4 6200 GVW 97 HP G	8,310	4.58	5.88	0.61	1.34	1.62	1.54	2.15				
7915	1624	2AX 20000 GVW 147 HP G	12,609	10.32	13.42	0.79	1.60	5.71	1.98	7.34				
7920	1724	2AX 20000 GVW 147 HP G	13,055	10.42	13.54	0.82	1.66	5.71	2.05	7.34				
7925	1754	2AX 20000 GVW 165 HP D	18,207	8.54	11.29	1.15	2.34	3.60	2.91	4.68				
7930	1824	2AX 21000 GVW 189 HP G	13,867	12.73	16.53	0.87	1.76	7.34	2.18	9.44				
7935	1854	2AX 23000 GVW 180 HP D	20,805	9.57	12.63	1.31	2.66	3.92	3.29	5.10				

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	FUEL					
TRUCKS, HIGHWAY (CONT'D)													
***** (CHASSIS ONLY)													
INTERNATIONAL (CONT'D)													
7940	1924	2AX	25000 GVW 190 HP G	16,246	13.35	17.36	1.02	2.05	7.38	2.54	9.49	79	
7945	1954	2AX	25000 GVW 210 HP D	26,882	11.67	15.43	1.70	3.47	4.58	4.30	5.95	100	
7950	F2554	3AX	43000 GVW 210 HP D	44,569	18.70	24.74	2.79	5.63	6.87	6.97	8.93	123	
7955	F2574	3AX	50000 GVW 230 HP D	53,346	21.36	28.28	3.35	6.81	7.52	8.42	9.78	123	
7960	F4370	3AX	46000 GVW 290 HP D	56,163	24.46	32.33	3.54	7.19	9.48	8.89	12.33	133	
7965	F5050	3AX	52000 GVW 225 HP D	54,343	21.36	28.29	3.42	6.94	7.36	8.59	9.56	138	
7970	F5070	3AX	52000 GVW 290 HP D	58,364	24.91	32.96	3.68	7.48	9.48	9.26	12.33	140	
KENWORTH													
7980	K100	3AX	47400 GVW 72800 GCW 290 HP D	71,821	27.74	36.77	4.54	9.26	9.48	11.47	12.33	138	
7985	W900	3AX	50000 GVW 76800 GCW 290 HP D	73,131	28.02	37.13	4.63	9.44	9.48	11.69	12.33	140	
7990	C500	3AX	56000 GVW 86000 GCW 290 HP D	80,659	29.57	39.24	5.11	10.44	9.48	12.94	12.33	144	
PETERBILT													
8000	MOD 348	3AX	56000 GVW 250 HP D	69,229	25.61	33.94	4.36	8.86	8.17	10.96	10.63	121	
8005	MOD 362	3AX	50000 GVW 76800 GCW 350 HP D	76,267	31.17	41.27	4.83	9.86	11.44	12.20	14.88	131	
8010	MOD 359	3AX	50000 GVW 76800 GCW 350 HP D	82,363	32.42	43.00	5.22	10.67	11.44	13.23	14.88	134	
8015	MOD 353	3AX	73000 GVW 125000 GCW 350 HP D	85,666	33.12	43.92	5.44	11.12	11.44	13.77	14.88	174	
8020	MOD 387	3AX	83000 GVW 150000 GCW 350 HP D	115,332	39.25	52.23	7.34	15.08	11.44	18.70	14.88	193	
TRUCK ACCESSORIES													
***** (CHASIS NOT INCLUDED)													
CRANES, HYDRAULIC													
8030	5.3T@5' RAD	24000 GVW MIN		23,595	5.41		1.53	3.28	0.00		79		
8035	8.0T@3' RAD	26500 GVW MIN		28,608	6.55		1.86	3.98	0.00		84		
8040	12.5T@4' RAD	27000 GVW MTN		44,411	10.10		2.88	6.17	0.00		142		
8045	13.5T@4' RAD	44000 GVW MIN		55,427	12.58		3.59	7.70	0.00		158		
8050	15.0T@4' RAD	48000 GVW MIN		63,221	14.34		4.10	8.79	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	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>TRUCK ACCESSORIES (CONT'D)</b>														
<b>*****</b>														
<b>(CHASIS NOT INCLUDED)</b>														
<b>DUMP BODY, REAR, W/HOIST</b>														
8060	5CY 24000 TO 26000 GVW	5,983	1.44	1.92	0.39	0.83	0.00	1.04	0.00	26				
8065	AIR GATE 8CY 27000 TO 30000 GVW	9,457	2.21	2.97	0.61	1.31	0.00	1.64	0.00	44				
8070	AIR GATE 10CY 36000 AND UP GVW	9,562	2.23	3.01	0.62	1.32	0.00	1.66	0.00	45				
8075	AIR GATE 12CY 36000 AND UP GVW	9,700	2.28	3.04	0.63	1.35	0.00	1.68	0.00	46				
<b>FLATBEDS</b>														
8085	8'X9.5'	1,928	0.44		0.13	0.27	0.00			11				
8090	8'X10.5'	1,988	0.45		0.13	0.28	0.00			12				
8095	8'X12.5'	2,174	0.49		0.14	0.30	0.00			14				
8100	8'X14.5'	2,583	0.58		0.17	0.36	0.00			16				
8105	8'X16.5'	2,830	0.63		0.18	0.39	0.00			18				
8110	FLATBED-HOIST	2,683	0.61		0.18	0.38	0.00			10				
8115	FLATBED-SIDEBOARDS	770	0.18		0.05	0.11	0.00			3				
<b>HOISTS, ELECTRIC</b>														
8125	1500LB@1.75'	2,079	0.56		0.13	0.29	0.00			4				
8130	2400LB@3'	2,680	0.69		0.18	0.37	0.00			6				
8135	5000LB@4'	7,306	1.73		0.47	1.01	0.00			15				
8140	6000LB@6'	8,128	1.92		0.53	1.13	0.00			14				
<b>TRANSIT MIXERS</b>														
8150	7 CY 40000 - 50000 GVW RQD	25,895	5.96		1.68	3.60	0.00			63				
8155	8 CY 50000 - 70000 GVW RQD	26,297	6.05		1.70	3.65	0.00			66				
8160	8.5CY 55000 - 75000 GVW RQD	26,567	6.12		1.73	3.70	0.00			68				
8165	9 CY 61000 - 80000 GVW RQD	26,950	6.19		1.75	3.74	0.00			73				

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 ACCESSORIES (CONT'D)</b>														
<b>(CHASIS NOT INCLUDED)</b>														
<b>WATER TANKS</b>														
8175	2000 GAL 23500-28000 GVW	11,537	2.59		0.75	1.60	0.00			35				
8180	2500 GAL 25000-34950 GVW	12,155	2.74		0.79	1.69	0.00			39				
8185	3000 GAL 29000-40000 GVW	12,920	2.91		0.84	1.80	0.00			44				
<b>TRUCK TRAILERS</b>														
<b>BOTTOM DUMP</b>														
8195	18CY 27T	28,279	5.37	6.72	1.62	3.14	0.00	3.66	0.00	122				
8200	20CY 30T	32,545	6.11	7.68	1.86	3.63	0.00	4.26	0.00	140				
8205	30CY 30T	32,235	6.06	7.61	1.85	3.60	0.00	4.21	0.00	160				
8210	28CY 42T	40,802	7.66	9.62	2.34	4.55	0.00	5.33	0.00	180				
8215	20CY 35T OFF-HIGHWAY	42,681	7.99	10.04	2.45	4.78	0.00	5.59	0.00	175				
8220	32CY 55T OFF-HIGHWAY	90,445	17.28	21.65	5.10	9.77	0.00	11.41	0.00	365				
8225	43CY 70T OFF-HIGHWAY	99,976	19.20	24.05	5.61	10.69	0.00	12.49	0.00	445				
<b>END DUMP</b>														
8235	20CY 24T	33,613	6.31	7.93	1.93	3.77	0.00	4.41	0.00	146				
<b>LOWBOY, RIGID NECK, DROP DECK</b>														
8245	25 TON 2 AXLE	21,028	3.58		1.19	2.06	0.00			89				
8250	30 TON 2 AXLE	23,929	4.07		1.36	2.36	0.00			94				
8255	35 TON 2 AXLE	29,000	4.88		1.65	2.87	0.00			109				
8260	35 TON 3 AXLE	29,574	5.06		1.68	2.89	0.00			134				
8265	40 TON 3 AXLE	31,279	5.38		1.77	3.04	0.00			144				
8270	50 TON 3 AXLE	34,127	5.87		1.93	3.32	0.00			161				
8275	60 TON 3 AXLE	37,618	6.49		2.11	3.61	0.00			188				
8280	70 TON 3 AXLE	49,732	8.37		2.82	4.89	0.00			213				
8285	75 TON 3 AXLE	50,775	8.54		2.89	5.01	0.00			228				

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						
<b>TRUCK TRAILERS (CONT'D)</b>														
<b>LOWBOY (CONT'D)</b>														
8290	80 TON 4 AXLE	59,605	10.00		3.40	5.92	0.00		266					
8295	90 TON 4 AXLE	65,772	11.03		3.75	6.52	0.00		297					
8300	110 TON 4 AXLE	72,257	12.09		4.12	7.16	0.00		313					
8305	120 TON 4 AXLE	82,054	13.97		4.63	7.94	0.00		351					
8310	HELPER DOLLY 60 T TRAILER MAX	17,113	3.02		0.95	1.60	0.00		62					
<b>PLATFORM TRAILERS</b>														
8320	25 TON 2 AXLE	16,148	2.87		0.89	1.50	0.00		110					
<b>PUP TRAILERS</b>														
8330	8 CY LONG TONGUE	19,959	3.50		1.13	1.92	0.00		86					
8335	10CY LONG TONGUE	20,114	3.52		1.13	1.93	0.00		86					
<b>TIILT TRAILERS</b>														
8345	12 TON 2 AXLE	10,404	1.89		0.58	0.98	0.00		62					
8350	16 TON 2 AXLE	10,713	1.95		0.60	1.00	0.00		65					
8355	20 TON 2 AXLE	12,149	2.21		0.67	1.11	0.00		67					
<b>WATER TANKER TRAILERS</b>														
8365	4000 GAL	63 HP D	30,420	7.46	1.65	3.09	2.30		120					
8370	5000 GAL	63 HP D	32,119	7.78	1.73	3.18	2.30		150					
8375	6000 GAL	63 HP D	33,546	7.99	1.80	3.33	2.30		160					
<b>TRUCKS, OFF-HIGHWAY</b>														
<b>CATERPILLAR</b>														
8385	769-C 35T 22-30 CY	P.S. 450 HP D	280,585	62.22	79.64	15.06	28.95	10.37	32.84	13.39	711			
8390	773-B 50T 30-45 CY	P.S. 650 HP D	394,723	89.46	115.30	21.09	40.35	14.98	45.75	19.34	908			
8395	777 85T 47-67 CY	P.S. 870 HP D	549,066	121.20	156.03	29.08	55.12	20.04	62.44	25.89	1391			
8400	768C PRIME MOVER TRACTOR	P.S. 450 HP D	250,507	57.51	73.90	13.41	25.72	10.37	29.17	13.39	530			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT				
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL					
<b>TRUCKS, OFF-HIGHWAY (CONT'D)</b>													
<b>CATERPILLAR (CONT'D)</b>													
8405	772B PRIME MOVER TRACTOR	P.S. 650 HP D	375,944	88.56	115.44	19.93	37.79	14.98	42.81	19.34	707		
<b>DJB (ARTICULATED FRAME)</b>													
8415	D275B 27.5T 15-20 CY	P.S. 235 HP D	183,978	38.53	48.98	9.84	18.84	5.41	21.36	6.99	424		
8420	D330B 33T 17-23 CY	P.S. 255 HP D	221,712	45.18	57.19	11.89	22.85	5.88	25.92	7.59	444		
8425	D350B 35T 20-26 CY	P.S. 255 HP D	231,480	48.54	62.35	12.26	23.23	5.88	26.31	7.59	472		
8430	D550 55T 32-43 CY	P.S. 450 HP D	387,114	81.25	104.09	20.55	39.07	10.37	44.27	13.39	834		
<b>EUCLTD</b>													
8440	R25-215FD 25T 14-19 CY	P.S. 214 HP D	183,678	37.19	47.20	9.84	18.88	4.93	21.42	6.37	404		
8445	R35-302TD 35T 22-30 CY	P.S. 450 HP D	292,159	63.60	81.06	15.72	30.31	10.37	34.40	13.39	623		
8450	R50-301LD 50T 31-41 CY	P.S. 608 HP D	385,126	86.66	111.81	20.56	39.31	14.01	44.58	18.09	836		
8455	R75-301ND 75T 46-69 CY	P.S. 646 HP D	514,406	108.03	138.82	27.28	51.79	14.88	58.69	19.22	1123		
8460	R85-306ND 85T 52-67 CY	P.S. 755 HP D	529,511	114.64	147.75	28.01	53.02	17.40	60.06	22.47	1227		
<b>INTERNATIONAL</b>													
8470	350B 50T 31-42 CY	P.S. 580 HP D	373,202	82.77	106.53	20.07	38.65	13.36	43.87	17.26	740		
<b>TEREX</b>													
8480	33-03B 22T 15-18 CY	P.S. 215 HP D	162,201	34.61	44.32	8.71	16.73	4.95	18.98	6.40	400		
8485	33-05B 30T 19-23 CY	P.S. 321 HP D	234,245	50.38	64.54	12.56	24.13	7.40	27.38	9.55	525		
8490	33-07 40T 25-32 CY	P.S. 493 HP D	290,257	67.92	88.48	15.39	29.21	11.36	33.11	14.67	756		
8495	33-09 55T 34-44 CY	P.S. 624 HP D	392,182	90.29	117.51	20.81	39.53	14.38	44.79	18.57	992		
8500	33-11C 85T 51-65 CY	P.S. 840 HP D	551,837	120.73	155.39	29.23	55.42	19.35	62.79	25.00	1350		
<b>WABCO</b>													
8510	HAULPAK35D 35T 23-29 CY	P.S. 420 HP D	289,907	62.75	80.23	15.57	29.95	9.68	33.98	12.50	630		
8515	HAULPAK50B 50T 31-40 CY	P.S. 576 HP D	403,812	88.60	114.12	21.58	41.31	13.27	46.86	17.14	792		
8520	HAULPAK60B 60T 34-48 CY	P.S. 642 HP D	436,680	97.80	126.72	23.24	44.30	14.79	50.23	19.11	900		

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.					
<b>TRUCKS, OFF-HIGHWAY (CONT'D)</b>														
<b>WABCO (CONT'D)</b>														
8525	75C 75T 44-57 CY P.S. 679 HP D	490,720	104.81	134.59	26.05	49.49	15.64	56.08	20.21	950				
8530	85D 85T 47-67 CY P.S. 818 HP D	545,611	119.09	153.31	28.89	54.75	18.85	62.02	24.34	1240				
<b>TRUCKS, WATER</b>														
<b>TRACTOR DRAWN - KLEIN</b>														
8540	KT-50 5000 GAL. CAT 613B P.S. 150 HP D	130,305	27.77	34.10	7.03	12.56	5.47	14.11	7.20	320				
8545	KT-60 6000 GAL. CAT 621B P.S. 330 HP D	227,768	52.31	64.65	12.20	21.61	12.04	24.26	15.84	564				
8550	KT-80 8000 GAL. CAT 631D P.S. 450 HP D	313,623	72.12	89.16	16.75	29.59	16.42	33.20	21.60	740				
8555	KT-100 10000 GAL. CAT 631D P.S. 450 HP D	321,602	73.32	90.58	17.19	30.40	16.42	34.11	21.60	798				
8560	KT-100 10000 GAL. CAT 641B P.S. 550 HP D	362,047	84.97	105.23	19.30	34.00	20.06	38.14	26.40	931				
8565	KT-120 12000 GAL. CAT 651B P.S. 550 HP D	381,144	87.84	108.63	20.35	35.93	20.06	40.32	26.40	1097				
<b>TRACTOR DRAWN - SOUTHWEST</b>														
8575	STT-60 6000 GAL. CAT 621B P.S. 330 HP D	225,759	52.01	64.29	12.09	21.41	12.04	24.02	15.84	594				
8580	STT-80 8000 GAL. CAT 631D P.S. 450 HP D	311,990	71.88	88.87	16.67	29.43	16.42	33.02	21.60	800				
8585	STT-100 10000 GAL. CAT 631D P.S. 450 HP D	316,007	72.49	89.59	16.89	29.84	16.42	33.48	21.60	840				
8590	STT-120 12000 GAL. CAT 651B P.S. 550 HP D	384,661	88.37	109.25	20.55	36.29	20.06	40.72	26.40	1054				
8595	STT-140 14000 GAL. CAT 651B P.S. 550 HP D	390,413	89.23	110.27	20.86	36.87	20.06	41.37	26.40	1089				
<b>WAGONS, BOTTOM DUMP</b>														
<b>CATERPILLAR-ATHEY</b>														
8605	621B/PW621B 33T 22-26CY P.S. 330 HP D	241,006	57.47	74.50	12.82	24.41	12.04	27.67	15.84	579				
8610	768B/PW768C 63T 42-48CY P.S. 450 HP D	369,245	85.39	110.23	19.57	37.12	16.42	42.06	21.60	935				
8615	772B/PW772B 100T 60-67CY P.S. 650 HP D	588,593	137.94	181.61	30.94	58.14	23.71	65.81	31.20	1350				

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>WAGONS, BOTTOM DUMP (CONT'D)</b>														
<b>EUCLID</b>														
8625	B30-303TDT301W 30T 21-27CY P.S. 277 HP D	219,936	51.66	67.02	11.65	22.10	10.10	25.03	13.30	483				
8630	B70-203LDT147W 70T 47-62CY P.S. 423 HP D	374,453	80.76	102.23	20.15	38.85	15.43	44.10	20.30	934				
<b>WAGONS, REAR DUMP</b>														
<b>CATERPILLAR-ATHEY</b>														
8640	621B/PR621B 33T 22-26CY P.S. 330 HP D	253,259	59.51	77.04	13.48	25.68	12.04	29.11	15.84	630				
8645	631D/PR631D 40T 27-32CY P.S. 450 HP D	360,193	83.41	107.77	19.20	36.66	16.42	41.56	21.60	833				
<b>WATER BLASTER</b>														
<b>AMERICAN AERO</b>														
8655	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	32,384	17.70		2.41	5.58	4.89			42				
8660	WBDDI50 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	49,034	28.34		3.66	8.47	8.60			70				
<b>WATER TANKS</b>														
<b>SKID MOUNTED</b>														
8670	WST-8 8000 GAL. SOUTHWEST	14,976	2.19		0.83	1.57	0.00			107				
8675	WST-10 10000 GAL. SOUTHWEST	17,447	2.55		0.96	1.82	0.00			122				
8680	WST-12 12000 GAL. SOUTHWEST	20,300	2.96		1.12	2.12	0.00			142				
<b>PORTABLE (WITH WHEELS)</b>														
8690	EWT-8 8000 GAL. SOUTHWEST 8 HP G	27,166	4.78		1.48	2.76	0.59			130				
8695	EWT-10 10000 GAL. SOUTHWEST 8 HP G	30,731	5.29		1.67	3.13	0.59			170				
8700	EWT-12 12000 GAL. SOUTHWEST 8 HP G	34,084	5.78		1.85	3.48	0.59			185				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
WELDERS												
*****												
ELECTRTC DRIVE - AC 3 PHASE 60 HZ												
8710	250 AMP SKID MTD	20 HP E	2,039	1.62			0.13	0.27	0.96			
8715	600 AMP SKID MTD	25 HP E	2,584	2.04			0.17	0.35	1.20			
GASOLINE ENGINE DRIVE												
8725	200 AMP W/1 AXLE TRLR	14 HP G	2,644	2.29			0.19	0.41	1.26			
8730	250 AMP W/1 AXLE TRLR	65 HP G	5,068	8.65			0.37	0.82	5.84			
8735	300 AMP W/1 AXLE TRLR	65 HP G	5,188	8.68			0.38	0.84	5.84			
8740	400 AMP W/1 AXLE TRLR	69 HP G	6,070	9.38			0.44	0.99	6.20			
8745	650 AMP W/2 AXLE TRLR	85 HP G	7,670	11.60			0.56	1.23	7.64			
DIESEL ENGINE DRIVE												
8755	250 AMP W/1 AXLE TRLR	38 HP D	6,656	3.98			0.49	1.09	1.71			
8760	300 AMP W/1 AXLE TRLR	38 HP D	6,716	4.00			0.49	1.10	1.71			
8765	350 AMP W/2 AXLE TRLR	63 HP D	8,499	5.88			0.61	1.36	2.84			
8770	400 AMP W/2 AXLE TRLR	64 HP D	8,290	5.89			0.61	1.34	2.89			
MIG												
8780	250AMP W/WIRE FEED AND SHOP GEAR	10 HP E	2,802	1.14			0.19	0.38	0.48			
8785	300AMP W/WIRE FEED AND SHOP GEAR	20 HP E	2,961	1.79			0.19	0.39	0.96			
RECTIFIER												
8795	250 AMP W/SHOP RUNNING GEAR	19 HP E	1,768	1.50			0.11	0.23	0.91			
8800	300 AMP W/SHOP RUNNING GEAR	21/2 HP E	1,912	1.85			0.13	0.26	1.15			
8805	500 AMP W/SHOP RUNNING GEAR	30 HP E	2,431	2.31			0.16	0.32	1.44			
8810	750 AMP W/SHOP RUNNING GEAR	42 HP E	4,008	3.36			0.26	0.54	2.02			
TRANSFORMER-RECTIFIER												
8820	250 AMP W/SHOP RUNNING GEAR	19 HP E	944	1.36			0.06	0.13	0.91			
8825	300 AMP W/SHOP RUNNING GEAR	24 HP E	1,563	1.78			0.10	0.20	1.15			

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

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

Examples: Assume that a two-year old 50-ton truck crane listed in TABLE 3-1 has a total hourly rate of \$50.00 per hour and an ownership rate of \$30.00 per hour.

A. If an equivalent crane owned by a contractor had been purchased new in 1979, the total hourly rate can be determined as follows:

Total Hourly Rate	= \$50.00/Hr.
Ownership Rate	(-) \$30.00/Hr.
Ownership adjusted for Age:	
(Ownership Rate) x (Age Adj. Factor)	
= (\$30.00) x (.77)	= (+) \$23.10/Hr.
Adjusted Total Hourly Rate	= \$43.10/Hr.

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

Total Hourly Rate	= \$50.00/Hr.
Ownership Rate	(-) \$30.00/Hr.
Ownership adjusted for Age:	
(Ownership Rate) x (Oldest Age Adj. Factor)	
= (\$30.00) x (.43)	= (+) \$12.90/Hr.
Adjusted Total Hourly Rate	= \$32.90/Hr.

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

D. If an equivalent crane, manufactured in 1979, had been purchased used in 1981 by the Contractor, the used crane is not over-age and the rate computation would be identical to Example A.

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW									
		1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
15	AGGREGATE SPREADERS	0.99	0.99	1.00	0.93	0.86	0.78				
30	AIR COMPRESSORS	1.06	1.03	1.00	0.93	0.97	0.90				
45	ATR TOOLS, SANDBLASTERS, ETC	1.06	1.03	1.00							
60	ASPHALT DISTRIBUTORS	0.99	0.99	1.00	0.93	0.86	0.78				
65	ASPHALT AND CONCRETE PAVERS	0.99	0.99	1.00	0.93	0.86	0.78				
70	ASPHALT KETTLES AND RECYCLERS	1.06	1.03	1.00	0.92	0.82					
	BACKHOE (SEE KEY NO. 570-601)										
75	BROOMS	1.06	1.03	1.00	0.92	0.81	0.70				
80	BRUSH CHIPPERS	1.06	1.03	1.00	0.92	0.81	0.69				
90	BUCKETS, CLAMSHELL & DRAGLINE	0.98	0.98	1.00	0.95	0.84	0.70				
95	BUCKETS, CONCRETE	0.98	0.98	1.00	0.94	0.84	0.69				
105	CONCRETE OR GROUT PUMP	1.06	1.03	1.00	0.92	0.81					
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.06	1.03	1.00	0.92	0.81					
125	CONCRETE FINISHERS & BUGGIES	1.06	1.03	1.00	0.92						
130	CONCRETE SAWS	1.06	1.03	1.00	0.92	0.82					
135	CONCRETE VIBRATORS	1.06	1.03	1.00							
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.06	1.03	1.00	0.93						
150	0 THRU 25 TON	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.63		
165	OVER 25 TON THRU 50 TON	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.63	0.59	
170	OVER 50 TON THRU 150 TON	1.05	1.02	1.00	0.93	0.86	0.77	0.69	0.64	0.60	0.54
180	OVER 150 TON	1.05	1.02	1.00	0.93	0.86	0.76	0.69	0.64	0.60	0.54
	DRAGLINE & CLAMSHELL, CRAWLER										
185	0 THRU 1 CY	1.05	1.02	1.00	0.93	0.85	0.76	0.68	0.63		
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.63	0.59	
195	OVER 2-1/2 CY THRU 5 CY	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.63	0.59	0.53
196	OVER 5 CY	1.05	1.02	1.00	0.93	0.86	0.76	0.69	0.64	0.60	0.54
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.64	0.59	0.54
205	CRANES, TOWER CRANES & HYD. EXC., TRK MTD	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.63	0.59	0.53
210	UNDER 26 T. (THRU 1 CY)	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.63	0.59	
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.02	1.00	0.93	0.86	0.77	0.69	0.64	0.60	0.54
230	66 THRU 125 T	1.05	1.02	1.00	0.93	0.86	0.77	0.70	0.64	0.60	0.55
240	OVER 125 T	1.04	1.02	1.00	0.93	0.86	0.77	0.70	0.65	0.61	0.55
255	DRILL, AUGER	1.03	1.02	1.00	0.92	0.78	0.67				
270	DRILL, BLAST HOLE	1.03	1.02	1.00	0.92	0.78	0.67				
300	DRILL, CORE	1.03	1.02	1.00	0.92	0.78	0.67				
315	DRILL, ROTARY TO 11" DIA. HOLE	1.03	1.02	1.00	0.92	0.79	0.68	0.63	0.57	0.54	
330	DRILL, ROTARY OVER 11" DIA.	1.03	1.02	1.00	0.92	0.79	0.69	0.64	0.58	0.56	0.53
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.03	1.02	1.00	0.92	0.79	0.69	0.64	0.58	0.56	0.53
375	FORK LIFTS	1.05	1.03	1.00	0.92	0.82	0.71				
390	GRADERS	1.05	1.03	1.00	0.91	0.82	0.72	0.65	0.58		
420	GENERATORS	1.05	1.02	1.00	0.97	0.85					
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.05	1.03	1.00	0.92	0.82	0.71				
440	LIGHT PLANTS	1.06	1.03	1.00	0.92	0.80					
450	LOADER, BELT	1.06	1.03	1.00	0.92	0.81	0.69				
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.09	1.04	1.00	0.90	0.81	0.72				
	LOADER, WHEEL TYPE										
465	0 THRU 225 HP	1.06	1.03	1.00	0.89	0.74	0.63				
470	OVER 225 HP	1.05	1.03	1.00	0.90	0.76	0.66	0.59	0.53		
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.06	1.03	1.00	0.89	0.74	0.63				

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.06	1.03	1.00	0.91									
485	PIPELAYERS	1.09	1.05	1.00	0.90	0.80	0.69	0.60	0.53					
495	PUMP, GROUT (SEE KEY NO. 105)	1.05	1.03	1.00	0.92	0.82	0.71							
500	PUMP, WATER, ELECTRIC DRIVE	1.05	1.03	1.00	0.92	0.82	0.71							
510	RIPPERS	1.09	1.04	1.00	0.90	0.81								
525	ROLLERS, EXCEPT VIB. ROLLERS	1.22	1.11	1.00	0.92	0.83	0.74							
530	ROLLERS, VIBRATORY	1.22	1.11	1.00	0.92	0.82								
540	SCRAPERS, STANDARD	1.05	1.02	1.00	0.91	0.82	0.73							
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.05	1.02	1.00	0.91	0.82	0.73							
545	0 THRU 200 HP	1.05	1.03	1.00	0.91	0.82	0.72							
550	OVER 200 HP	1.05	1.03	1.00	0.91	0.82	0.72							
555	SCRAPERS, TRACTOR DRAWN	1.05	1.02	1.00	0.91	0.83	0.73	0.67	0.60					
560	SOIL STABILIZERS	1.05	1.03	1.00	0.91	0.82	0.72							
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.05	1.03	1.00	0.92	0.84								
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.02	1.00	0.93	0.85	0.75							
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.02	1.00	0.93	0.85	0.76	0.69	0.64					
600	OVER 5 CY	1.05	1.02	1.00	0.93	0.86	0.77	0.70	0.64	0.60				
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.05	1.02	1.00	0.93	0.86	0.77	0.69	0.64	0.60	0.54	0.43		
615	0 THRU 225 HP	1.09	1.04	1.00	0.90	0.81	0.71							
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.09	1.04	1.00	0.90	0.81	0.72							
625	OVER 425 HP	1.08	1.04	1.00	0.91	0.82	0.73	0.65	0.58					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.09	1.04	1.00	0.90	0.81	0.72							
645	TRACTOR, WHEEL TYPE	1.02	1.01	1.00	0.91	0.81	0.69							
650	TRENCHER	1.15	1.07	1.00	0.87	0.74	0.63							
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.05	1.03	1.00	0.92	0.82	0.71							
660	TRAILERS, FLATBED, LO-BOY AND TILT TRUCK ACCESSORIES FOR CHASSIS MOUNTING	1.06	1.03	1.00	0.91	0.79	0.67							
670	DUMP BODIES	1.06	1.03	1.00	0.92	0.82								
675	ALL OTHER ACCESSORIES	1.06	1.03	1.00	0.92	0.82								
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.05	1.03	1.00	0.92									
695	OVER 10,000 THRU 30,000 GVW	1.05	1.02	1.00	0.92	0.79								
705	OVER 30,000 GVW	1.05	1.02	1.00	0.92	0.79								
720	TRUCK, OFF-HIGHWAY	1.05	1.02	1.00	0.91	0.79	0.68	0.61	0.56					
765	WAGON, BOTTOM & REAR DUMP	1.05	1.02	1.00	0.91	0.79	0.68	0.61	0.56					
780	WAGON, WATER	1.05	1.03	1.00	0.90	0.78	0.66	0.59	0.53					
785	WATER BLASTER	1.06	1.03	1.00	0.92									
795	WATER TANKS	1.05	1.03	1.00	0.92	0.82	0.72	0.64	0.58					
810	WELDERS	1.06	1.03	1.00	0.92									
811	WELDERS ELECTRIC POWER	1.06	1.03	1.00	0.92	0.81								



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

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

Example: Assume that a two-year old 50-ton truck crane listed in TABLE 3-1 has an hourly standby rate of \$18.00 per hour. If an equivalent crane owned by a Contractor had been purchased new in 1979, the hourly standby rate can be determined as follows:

$$\text{Hourly Standby Rate} = \$18.00/\text{Hr.}$$

$$\begin{aligned} \text{Standby Adjusted for Age} \\ (\text{Standby Rate}) \times (\text{Age Adj. Factor}) \\ = (\$18.00) \times (.79) &= \$14.22/\text{Hr.} \end{aligned}$$

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW										
		1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	
15	AGGREGATE SPREADERS	0.99	0.99	1.00	0.94	0.88	0.81					
30	AIR COMPRESSORS	1.05	1.02	1.00	0.94	0.98	0.91					
45	AIR TOOLS, SANDBLASTERS, ETC	1.05	1.03	1.00								
60	ASPHALT DISTRIBUTORS	0.99	0.99	1.00	0.94	0.88	0.81					
65	ASPHALT AND CONCRETE PAVERS	0.99	0.99	1.00	0.94	0.88	0.81					
70	ASPHALT KETTLES AND RECYCLERS	1.05	1.02	1.00	0.93	0.84						
	BACKHOE (SEE KEY NO. 570-601)											
75	BROOMS	1.05	1.02	1.00	0.93	0.84	0.74					
80	BRUSH CHIPPERS	1.05	1.02	1.00	0.93	0.84	0.74					
90	BUCKETS, CLAMSHELL & DRAGLINE	0.98	0.98	1.00	0.95	0.85	0.72					
95	BUCKETS, CONCRETE	0.98	0.98	1.00	0.95	0.85	0.72					
105	CONCRETE OR GROUT PUMP	1.05	1.02	1.00	0.93	0.84						
120	CONCRETE GUNITE EQUIPMENT & FLUTD GROUTERS	1.05	1.02	1.00	0.93	0.84						
125	CONCRETE FINISHERS & BUGGIES	1.05	1.03	1.00	0.93							
130	CONCRETE SAWS	1.05	1.02	1.00	0.93	0.84						
135	CONCRETE VIBRATORS	1.05	1.03	1.00								
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.05	1.03	1.00	0.93							
150	0 THRU 25 TON	1.04	1.02	1.00	0.94	0.87	0.79	0.72	0.67			
165	OVER 25 TON THRU 50 TON	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.64		
170	OVER 50 TON THRU 150 TON	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.65	0.60	0.50
180	OVER 150 TON	1.04	1.02	1.00	0.94	0.88	0.80	0.74	0.69	0.65	0.61	0.51
	DRAGLINE & CLAMSHELL,CRAWLER											
185	0 THRU 1 CY	1.04	1.02	1.00	0.94	0.87	0.79	0.72	0.67			
190	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.64		
195	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.94	0.87	0.80	0.73	0.69	0.65	0.60	0.51
196	OVER 5 CY	1.04	1.02	1.00	0.94	0.88	0.80	0.74	0.69	0.65	0.61	0.51
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.64	0.59	
205	CRANES, TOWER CRANES & HYD. EXC., TRK MTD	1.04	1.02	1.00	0.94	0.87	0.80	0.73	0.69	0.65	0.60	0.51
210	UNDER 26 T. (THRU 1 CY)	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.64		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.65	0.60	0.50
230	66 THRU 125 T	1.04	1.02	1.00	0.94	0.87	0.80	0.73	0.69	0.65	0.60	0.51
240	OVER 125 T	1.04	1.02	1.00	0.94	0.88	0.80	0.74	0.69	0.65	0.60	0.51
255	DRILL, AUGER	1.03	1.01	1.00	0.93	0.81	0.71					
270	DRILL, BLAST HOLE	1.03	1.01	1.00	0.93	0.81	0.71					
300	DRILL, CORE	1.03	1.01	1.00	0.93	0.81	0.71					
315	DRILL, ROTARY TO 11" DIA. HOLE	1.03	1.01	1.00	0.93	0.81	0.72	0.67	0.62	0.60		
330	DRILL, ROTARY OVER 11" DIA.	1.03	1.01	1.00	0.93	0.82	0.73	0.68	0.63	0.61	0.58	0.52
345	DRILL, ROTARY OVER 11" DIA., ELECTRTC	1.03	1.01	1.00	0.93	0.82	0.73	0.68	0.63	0.61	0.58	0.52
375	FORK LIFTS	1.05	1.02	1.00	0.93	0.84	0.74					
390	GRADERS	1.04	1.02	1.00	0.92	0.84	0.76	0.71	0.64			
420	GENERATORS	1.04	1.02	1.00	0.98	0.87						
435	HOIST	1.05	1.02	1.00	0.93	0.84	0.74					
	HYD. EXCAVATOR (SEE KEY NO. 570-601)											
440	LIGHT PLANTS	1.05	1.02	1.00	0.93	0.84						
450	LOADER, BELT	1.05	1.02	1.00	0.93	0.84	0.74					
460	LOADER,FRONT END & LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.08	1.04	1.00	0.92	0.84	0.75					
	LOADER, WHEEL TYPE											
465	0 THRU 225 HP	1.05	1.02	1.00	0.91	0.77	0.69					
470	OVER 225 HP	1.05	1.02	1.00	0.91	0.78	0.69	0.63	0.57			
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.05	1.02	1.00	0.91	0.77	0.69					

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.03	1.00	0.93									
485	PIPELAYERS	1.07	1.04	1.00	0.92	0.84	0.76	0.69	0.63					
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.05	1.02	1.00	0.93	0.84	0.74							
500	PUMP, WATER, ELECTRIC DRIVE	1.05	1.02	1.00	0.93	0.84	0.74							
510	RIPPERS	1.08	1.04	1.00	0.91	0.83								
525	ROLLERS, EXCEPT VIB. ROLLERS	1.19	1.09	1.00	0.93	0.85	0.77							
530	ROLLERS, VIBRATORY	1.19	1.10	1.00	0.93	0.84								
540	SCRAPERS, STANDARD	1.05	1.02	1.00	0.92	0.84	0.75							
542	SCRAPERS, TANDEM POWERED	1.05	1.02	1.00	0.92	0.84	0.75							
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.05	1.02	1.00	0.92	0.84	0.75							
550	OVER 200 HP	1.05	1.02	1.00	0.92	0.84	0.75							
555	SCRAPERS, TRACTOR DRAWN	1.04	1.02	1.00	0.92	0.84	0.76	0.70	0.64					
560	SOIL STABILIZERS	1.05	1.02	1.00	0.92	0.84	0.75							
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.04	1.02	1.00	0.93	0.86								
585	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.94	0.87	0.78							
595	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.94	0.87	0.78	0.72	0.67					
600	OVER 5 CY	1.04	1.02	1.00	0.94	0.87	0.79	0.72	0.67	0.63				
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.04	1.02	1.00	0.94	0.87	0.79	0.73	0.68	0.65	0.60	0.50		
615	0 THRU 225 HP	1.08	1.04	1.00	0.92	0.84	0.75							
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.08	1.04	1.00	0.92	0.84	0.75							
625	OVER 425 HP	1.07	1.04	1.00	0.92	0.84	0.76	0.68	0.62					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.08	1.04	1.00	0.92	0.84	0.75							
645	TRACTOR, WHEEL TYPE	1.02	1.01	1.00	0.92	0.83	0.73							
650	TRENCHER	1.13	1.06	1.00	0.88	0.77	0.68							
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.05	1.02	1.00	0.93	0.84	0.74							
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.05	1.02	1.00	0.93	0.84	0.74							
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.05	1.02	1.00	0.93	0.84								
675	ALL OTHER ACCESSORIES	1.05	1.02	1.00	0.93	0.84								
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.04	1.02	1.00	0.93									
695	OVER 10,000 THRU 30,000 GVW	1.04	1.02	1.00	0.93	0.82								
705	OVER 30,000 GVW	1.04	1.02	1.00	0.93	0.82								
720	TRUCK, OFF-HIGHWAY	1.04	1.02	1.00	0.92	0.81	0.71	0.65	0.60					
765	WAGON, BOTTOM & REAR DUMP	1.04	1.02	1.00	0.92	0.81	0.71	0.65	0.60					
780	WAGON, WATER	1.04	1.02	1.00	0.92	0.81	0.71	0.65	0.61					
785	WATER BLASTER	1.05	1.03	1.00	0.93									
795	WATER TANKS	1.05	1.02	1.00	0.93	0.84	0.75	0.68	0.63					
810	WELDERS	1.05	1.03	1.00	0.93									
811	WELDERS ELECTRIC POWER	1.05	1.02	1.00	0.93	0.84								



TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

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

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

Total Hourly Rate (adjusted for age)	= \$43.10/Hr.
Ownership Rate (adjusted for age)	(-) \$23.10/Hr.
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adj. Factor)	
= (\$23.10) x (.84)	= (+) \$19.40/Hr.
Adjusted Total Hourly Rate	= <u>\$39.40/Hr.</u>

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

Service Life From APP. D	Equipment Usage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.98	0.97	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.86
6,000	1.00	0.97	0.96	0.93	0.92	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82
8,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.85	0.83	0.82	0.81	0.80	0.78
9,000	1.00	0.96	0.95	0.92	0.89	0.87	0.85	0.84	0.82	0.80	0.79	0.78	0.77
10,000	1.00	0.96	0.94	0.91	0.88	0.86	0.85	0.83	0.81	0.79	0.78	0.77	0.75
11,000	1.00	0.96	0.94	0.90	0.88	0.85	0.84	0.82	0.80	0.78	0.77	0.75	0.74
12,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.78	0.77	0.75	0.74	0.72
13,000	1.00	0.96	0.93	0.90	0.87	0.84	0.82	0.80	0.78	0.76	0.74	0.73	0.71
14,000	1.00	0.95	0.93	0.89	0.86	0.83	0.81	0.79	0.77	0.75	0.73	0.72	0.70
15,000	1.00	0.95	0.93	0.89	0.85	0.83	0.81	0.78	0.76	0.74	0.72	0.71	0.69
16,000	1.00	0.95	0.92	0.88	0.85	0.82	0.80	0.77	0.75	0.73	0.71	0.70	0.68
18,000	1.00	0.95	0.92	0.88	0.84	0.81	0.79	0.76	0.73	0.71	0.69	0.68	0.66
20,000	1.00	0.94	0.92	0.87	0.83	0.80	0.78	0.75	0.72	0.70	0.68	0.66	0.64
22,000	1.00	0.94	0.91	0.86	0.82	0.79	0.77	0.74	0.71	0.68	0.66	0.65	0.62
50,000	1.00	0.92	0.88	0.82	0.76	0.72	0.68	0.64	0.60	0.57	0.55	0.53	0.49

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	3.96	1.97	10.59	2.54	0.21	0.03	3.23	22.53								
1015	4.43	2.20	4.12	0.99	0.21	0.03	3.62	15.60								
1030	0.70	0.39	3.15	1.01	0.02	0.00	0.66	5.93								
1035	0.84	0.46	1.39	0.39	0.02	0.00	0.78	3.88								
1040	0.88	0.49	3.66	1.17	0.02	0.00	0.83	7.05								
1045	1.06	0.59	1.61	0.45	0.02	0.00	0.99	4.72								
1050	1.08	0.60	5.13	1.64	0.02	0.00	1.01	9.48								
1055	1.15	0.64	1.86	0.52	0.02	0.00	1.08	5.27								
1060	1.18	0.65	5.13	1.64	0.02	0.00	1.11	9.73								
1065	1.34	0.74	2.52	0.70	0.02	0.00	1.26	6.58								
1070	1.22	0.68	5.13	1.64	0.02	0.00	1.14	9.83								
1075	1.44	0.80	2.52	0.70	0.02	0.00	1.35	6.83								
1080	2.15	1.19	3.43	0.96	0.03	0.00	2.02	9.78								
1085	2.62	1.47	3.76	1.05	0.12	0.02	2.47	11.51								
1090	3.42	1.91	5.54	1.55	0.12	0.02	3.21	15.77								
1095	4.62	2.57	6.38	1.79	0.14	0.02	4.34	19.86								
1100	5.37	2.98	8.32	2.33	0.14	0.02	5.04	24.20								
1105	6.13	3.40	9.12	2.55	0.14	0.02	5.74	27.10								
1110	6.72	3.72	9.85	2.76	0.14	0.02	6.30	29.51								
1115	7.52	4.16	10.32	2.89	0.14	0.02	7.04	32.09								
1120	9.01	4.98	11.86	3.32	0.14	0.02	8.44	37.77								
1125	10.18	5.63	16.63	4.66	0.17	0.03	9.53	46.83								
1140	0.28	0.06	0.00	0.06	0.00	0.00	0.51	0.91								
1145	0.51	0.12	0.00	0.06	0.00	0.00	0.96	1.65								
1150	0.52	0.12	0.00	0.06	0.00	0.00	0.97	1.67								
1155	0.58	0.13	0.00	0.13	0.00	0.00	1.08	1.92								
1160	0.77	0.17	0.00	0.13	0.00	0.00	1.44	2.51								
1165	2.16	0.51	0.00	0.27	0.05	0.01	4.07	7.07								
1170	2.54	0.62	0.00	0.38	0.12	0.02	4.81	8.49								
1175	3.19	0.76	0.00	0.48	0.12	0.02	6.03	10.60								
1185	0.20	0.04	0.00	0.06	0.00	0.00	0.37	0.67								
1190	0.43	0.10	0.00	0.11	0.00	0.00	0.80	1.44								
1195	0.20	0.05	0.00	0.06	0.00	0.00	0.38	0.69								
1200	0.22	0.05	0.00	0.06	0.00	0.00	0.40	0.73								
1205	0.23	0.05	0.00	0.06	0.00	0.00	0.44	0.78								
1210	0.79	0.18	0.00	0.13	0.00	0.00	1.47	2.57								
1220	0.38	0.09	0.00	0.15	0.00	0.00	1.19	1.81								
1225	0.25	0.06	0.00	0.13	0.00	0.00	0.76	1.20								
1230	0.22	0.05	0.00	0.10	0.00	0.00	0.69	1.06								
1235	0.20	0.05	0.00	0.08	0.00	0.00	0.62	0.95								
1240	0.16	0.04	0.00	0.06	0.00	0.00	0.49	0.75								
1250	2.03	0.98	3.30	1.05	0.00	0.00	2.00	9.36								
1255	2.09	1.01	3.30	1.05	0.00	0.00	2.06	9.51								
1260	2.24	1.08	3.30	1.05	0.00	0.00	2.21	9.88								
1265	2.51	1.21	3.30	1.05	0.00	0.00	2.47	10.54								
1275	7.21	3.56	2.55	0.72	0.32	0.05	7.55	21.96								
1280	11.33	5.66	3.47	0.97	0.79	0.12	11.90	34.24								
1285	12.66	6.30	4.74	1.33	0.79	0.12	13.28	39.22								
1290	15.48	7.50	4.74	1.33	0.00	0.00	16.16	45.21								
1300	3.60	1.81	0.80	0.22	0.31	0.05	3.79	10.58								
1305	5.75	2.86	2.04	0.57	0.31	0.05	6.03	17.61								
1310	7.98	3.96	2.12	0.59	0.44	0.07	8.37	23.53								
1315	9.86	4.95	3.17	0.89	0.79	0.12	10.36	30.14								
1320	11.53	5.79	3.21	0.90	0.96	0.14	12.12	34.65								
1325	15.27	7.68	5.73	1.60	1.32	0.20	16.05	47.85								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	TOTAL RATE	
1330	11.24	5.44	2.77	0.78	0.00	0.00	11.73	31.96								
1335	13.46	6.52	4.01	1.12	0.00	0.00	14.04	39.15								
1345	0.35	0.15	0.00	0.97	0.02	0.00	0.35	1.84								
1350	0.40	0.17	0.00	1.07	0.02	0.00	0.40	2.06								
1360	0.97	0.40	0.59	1.72	0.02	0.00	0.97	4.67								
1370	0.45	0.25	0.00	0.18	0.02	0.00	0.48	1.38								
1375	0.59	0.33	1.54	0.37	0.02	0.00	0.63	3.48								
1380	0.20	0.11	0.00	0.18	0.00	0.00	0.22	0.71								
1385	0.31	0.17	0.00	0.12	0.00	0.00	0.33	0.93								
1395	0.78	0.47	7.66	2.45	0.00	0.00	1.00	12.36								
1400	0.83	0.52	7.66	2.45	0.04	0.01	1.08	12.59								
1410	0.81	0.36	0.00	0.00	0.00	0.00	0.61	1.78	1.01	0.37	0.00	0.00	0.00	0.00	0.87	2.25
1415	0.94	0.42	0.00	0.00	0.00	0.00	0.71	2.07	1.18	0.43	0.00	0.00	0.00	0.00	1.02	2.63
1420	1.39	0.61	0.00	0.00	0.00	0.00	1.05	3.05	1.73	0.63	0.00	0.00	0.00	0.00	1.50	3.86
1425	1.57	0.69	0.00	0.00	0.00	0.00	1.19	3.45	1.96	0.71	0.00	0.00	0.00	0.00	1.70	4.37
1430	2.04	0.90	0.00	0.00	0.00	0.00	1.55	4.49	2.55	0.93	0.00	0.00	0.00	0.00	2.21	5.69
1435	2.16	0.95	0.00	0.00	0.00	0.00	1.64	4.75	2.70	0.98	0.00	0.00	0.00	0.00	2.34	6.02
1440	2.21	0.98	0.00	0.00	0.00	0.00	1.68	4.87	2.77	1.00	0.00	0.00	0.00	0.00	2.40	6.17
1445	2.44	1.08	0.00	0.00	0.00	0.00	1.85	5.37	3.05	1.11	0.00	0.00	0.00	0.00	2.64	6.80
1450	2.64	1.16	0.00	0.00	0.00	0.00	2.00	5.80	3.29	1.20	0.00	0.00	0.00	0.00	2.86	7.35
1455	2.85	1.26	0.00	0.00	0.00	0.00	2.17	6.28	3.57	1.30	0.00	0.00	0.00	0.00	3.09	7.96
1460	3.08	1.36	0.00	0.00	0.00	0.00	2.34	6.78	3.85	1.40	0.00	0.00	0.00	0.00	3.34	8.59
1465	3.19	1.41	0.00	0.00	0.00	0.00	2.42	7.02	3.99	1.45	0.00	0.00	0.00	0.00	3.46	8.90
1470	3.45	1.52	0.00	0.00	0.00	0.00	2.62	7.59	4.31	1.57	0.00	0.00	0.00	0.00	3.74	9.62
1475	3.55	1.57	0.00	0.00	0.00	0.00	2.69	7.81	4.44	1.61	0.00	0.00	0.00	0.00	3.85	9.90
1480	3.69	1.63	0.00	0.00	0.00	0.00	2.80	8.12	4.61	1.67	0.00	0.00	0.00	0.00	3.99	10.27
1490	0.84	0.37	0.00	0.00	0.00	0.00	0.64	1.85	1.05	0.38	0.00	0.00	0.00	0.00	0.91	2.34
1495	1.14	0.50	0.00	0.00	0.00	0.00	0.87	2.51	1.43	0.52	0.00	0.00	0.00	0.00	1.24	3.19
1500	1.66	0.73	0.00	0.00	0.00	0.00	1.26	3.65	2.08	0.75	0.00	0.00	0.00	0.00	1.80	4.63
1505	1.79	0.79	0.00	0.00	0.00	0.00	1.36	3.94	2.24	0.81	0.00	0.00	0.00	0.00	1.94	4.99
1510	2.28	1.01	0.00	0.00	0.00	0.00	1.73	5.02	2.85	1.03	0.00	0.00	0.00	0.00	2.47	6.35
1515	2.49	1.10	0.00	0.00	0.00	0.00	1.89	5.48	3.11	1.13	0.00	0.00	0.00	0.00	2.70	6.94
1520	2.69	1.19	0.00	0.00	0.00	0.00	2.04	5.92	3.36	1.22	0.00	0.00	0.00	0.00	2.91	7.49
1525	2.89	1.28	0.00	0.00	0.00	0.00	2.19	6.36	3.61	1.31	0.00	0.00	0.00	0.00	3.13	8.05
1530	3.10	1.37	0.00	0.00	0.00	0.00	2.35	6.82	3.88	1.41	0.00	0.00	0.00	0.00	3.36	8.65
1535	3.41	1.51	0.00	0.00	0.00	0.00	2.59	7.51	4.27	1.55	0.00	0.00	0.00	0.00	3.70	9.52
1540	3.60	1.59	0.00	0.00	0.00	0.00	2.73	7.92	4.50	1.63	0.00	0.00	0.00	0.00	3.90	10.03
1545	3.81	1.68	0.00	0.00	0.00	0.00	2.89	8.38	4.76	1.73	0.00	0.00	0.00	0.00	4.13	10.62
1550	3.97	1.75	0.00	0.00	0.00	0.00	3.01	8.73	4.96	1.80	0.00	0.00	0.00	0.00	4.30	11.06
1555	4.14	1.83	0.00	0.00	0.00	0.00	3.14	9.11	5.17	1.88	0.00	0.00	0.00	0.00	4.48	11.53
1560	4.30	1.90	0.00	0.00	0.00	0.00	3.26	9.46	5.38	1.95	0.00	0.00	0.00	0.00	4.66	11.99
1570	1.28	0.57	0.00	0.00	0.00	0.00	0.97	2.82	1.60	0.58	0.00	0.00	0.00	0.00	1.39	3.57
1575	1.31	0.58	0.00	0.00	0.00	0.00	0.99	2.88	1.63	0.59	0.00	0.00	0.00	0.00	1.42	3.64
1580	1.94	0.86	0.00	0.00	0.00	0.00	1.47	4.27	2.43	0.88	0.00	0.00	0.00	0.00	2.10	5.41
1585	2.35	1.04	0.00	0.00	0.00	0.00	1.78	5.17	2.93	1.06	0.00	0.00	0.00	0.00	2.54	6.53
1590	2.62	1.16	0.00	0.00	0.00	0.00	1.99	5.77	3.27	1.19	0.00	0.00	0.00	0.00	2.84	7.30
1595	2.85	1.26	0.00	0.00	0.00	0.00	2.16	6.27	3.56	1.29	0.00	0.00	0.00	0.00	3.08	7.93
1600	2.99	1.32	0.00	0.00	0.00	0.00	2.27	6.58	3.74	1.36	0.00	0.00	0.00	0.00	3.24	8.34
1605	3.17	1.40	0.00	0.00	0.00	0.00	2.40	6.97	3.96	1.44	0.00	0.00	0.00	0.00	3.44	8.84
1610	3.32	1.47	0.00	0.00	0.00	0.00	2.52	7.31	4.15	1.51	0.00	0.00	0.00	0.00	3.60	9.26
1615	3.56	1.57	0.00	0.00	0.00	0.00	2.70	7.83	4.45	1.62	0.00	0.00	0.00	0.00	3.86	9.93
1620	3.77	1.66	0.00	0.00	0.00	0.00	2.86	8.29	4.71	1.71	0.00	0.00	0.00	0.00	4.09	10.51
1625	3.96	1.75	0.00	0.00	0.00	0.00	3.01	8.72	4.95	1.80	0.00	0.00	0.00	0.00	4.29	11.04
1630	4.29	1.90	0.00	0.00	0.00	0.00	3.26	9.45	5.37	1.95	0.00	0.00	0.00	0.00	4.65	11.97
1635	4.42	1.95	0.00	0.00	0.00	0.00	3.36	9.73	5.53	2.01	0.00	0.00	0.00	0.00	4.79	12.33

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
1640	4.63	2.04	0.00	0.00	0.00	0.00	3.51	10.18	5.79	2.10	0.00	0.00	0.00	0.00	5.02	12.91
1650	0.11	0.06	0.00	0.00	0.00	0.00	0.09	0.26								
1655	0.14	0.07	0.00	0.00	0.00	0.00	0.12	0.33								
1660	0.19	0.09	0.00	0.00	0.00	0.00	0.15	0.43								
1665	0.27	0.13	0.00	0.00	0.00	0.00	0.21	0.61								
1670	0.34	0.16	0.00	0.00	0.00	0.00	0.27	0.77								
1680	0.50	0.24	0.00	0.00	0.00	0.00	0.40	1.14								
1685	0.52	0.25	0.00	0.00	0.00	0.00	0.42	1.19								
1690	0.54	0.26	0.00	0.00	0.00	0.00	0.43	1.23								
1695	0.71	0.34	0.00	0.00	0.00	0.00	0.57	1.62								
1700	0.73	0.35	0.00	0.00	0.00	0.00	0.59	1.67								
1705	1.06	0.51	0.00	0.00	0.00	0.00	0.85	2.42								
1710	1.27	0.61	0.00	0.00	0.00	0.00	1.02	2.90								
1720	0.57	0.27	0.00	0.00	0.00	0.00	0.46	1.30								
1725	0.64	0.31	0.00	0.00	0.00	0.00	0.52	1.47								
1730	0.74	0.36	0.00	0.00	0.00	0.00	0.59	1.69								
1735	0.82	0.40	0.00	0.00	0.00	0.00	0.66	1.88								
1740	0.96	0.46	0.00	0.00	0.00	0.00	0.77	2.19								
1755	0.27	0.12	0.00	0.00	0.00	0.00	0.21	0.60	0.34	0.12	0.00	0.00	0.00	0.00	0.29	0.75
1760	0.32	0.14	0.00	0.00	0.00	0.00	0.24	0.70	0.40	0.15	0.00	0.00	0.00	0.00	0.35	0.90
1765	0.39	0.17	0.00	0.00	0.00	0.00	0.30	0.86	0.49	0.18	0.00	0.00	0.00	0.00	0.43	1.10
1770	0.46	0.21	0.00	0.00	0.00	0.00	0.35	1.02	0.58	0.21	0.00	0.00	0.00	0.00	0.50	1.29
1775	0.55	0.24	0.00	0.00	0.00	0.00	0.41	1.20	0.68	0.25	0.00	0.00	0.00	0.00	0.59	1.52
1780	0.67	0.30	0.00	0.00	0.00	0.00	0.51	1.48	0.84	0.31	0.00	0.00	0.00	0.00	0.73	1.88
1785	0.74	0.33	0.00	0.00	0.00	0.00	0.56	1.63	0.93	0.34	0.00	0.00	0.00	0.00	0.81	2.08
1790	0.91	0.40	0.00	0.00	0.00	0.00	0.69	2.00	1.13	0.41	0.00	0.00	0.00	0.00	0.98	2.52
1795	0.96	0.43	0.00	0.00	0.00	0.00	0.73	2.12	1.20	0.44	0.00	0.00	0.00	0.00	1.04	2.68
1800	1.16	0.51	0.00	0.00	0.00	0.00	0.88	2.55	1.45	0.53	0.00	0.00	0.00	0.00	1.26	3.24
1805	1.26	0.56	0.00	0.00	0.00	0.00	0.96	2.78	1.57	0.57	0.00	0.00	0.00	0.00	1.37	3.51
1810	1.38	0.61	0.00	0.00	0.00	0.00	1.05	3.04	1.72	0.63	0.00	0.00	0.00	0.00	1.49	3.84
1815	1.53	0.67	0.00	0.00	0.00	0.00	1.16	3.36	1.91	0.69	0.00	0.00	0.00	0.00	1.66	4.26
1820	1.76	0.78	0.00	0.00	0.00	0.00	1.34	3.88	2.21	0.80	0.00	0.00	0.00	0.00	1.91	4.92
1825	1.92	0.85	0.00	0.00	0.00	0.00	1.45	4.22	2.40	0.87	0.00	0.00	0.00	0.00	2.08	5.35
1830	2.36	1.04	0.00	0.00	0.00	0.00	1.79	5.19	2.94	1.07	0.00	0.00	0.00	0.00	2.55	6.56
1835	2.71	1.20	0.00	0.00	0.00	0.00	2.05	5.96	3.39	1.23	0.00	0.00	0.00	0.00	2.94	7.56
1845	0.32	0.14	0.00	0.00	0.00	0.00	0.24	0.70	0.39	0.14	0.00	0.00	0.00	0.00	0.34	0.87
1850	0.39	0.17	0.00	0.00	0.00	0.00	0.29	0.85	0.49	0.18	0.00	0.00	0.00	0.00	0.42	1.09
1855	0.48	0.21	0.00	0.00	0.00	0.00	0.36	1.05	0.60	0.22	0.00	0.00	0.00	0.00	0.52	1.34
1860	0.57	0.25	0.00	0.00	0.00	0.00	0.43	1.25	0.71	0.26	0.00	0.00	0.00	0.00	0.62	1.59
1865	0.66	0.29	0.00	0.00	0.00	0.00	0.50	1.45	0.82	0.30	0.00	0.00	0.00	0.00	0.71	1.83
1870	0.79	0.35	0.00	0.00	0.00	0.00	0.60	1.74	0.98	0.36	0.00	0.00	0.00	0.00	0.85	2.19
1875	0.87	0.38	0.00	0.00	0.00	0.00	0.66	1.91	1.09	0.39	0.00	0.00	0.00	0.00	0.94	2.42
1880	1.04	0.46	0.00	0.00	0.00	0.00	0.79	2.29	1.31	0.47	0.00	0.00	0.00	0.00	1.13	2.91
1885	1.12	0.49	0.00	0.00	0.00	0.00	0.85	2.46	1.40	0.51	0.00	0.00	0.00	0.00	1.21	3.12
1890	1.43	0.63	0.00	0.00	0.00	0.00	1.09	3.15	1.79	0.65	0.00	0.00	0.00	0.00	1.55	3.99
1895	1.48	0.65	0.00	0.00	0.00	0.00	1.12	3.25	1.85	0.67	0.00	0.00	0.00	0.00	1.60	4.12
1900	1.69	0.75	0.00	0.00	0.00	0.00	1.28	3.72	2.11	0.77	0.00	0.00	0.00	0.00	1.83	4.71
1905	1.86	0.82	0.00	0.00	0.00	0.00	1.41	4.09	2.32	0.84	0.00	0.00	0.00	0.00	2.02	5.18
1910	2.23	0.98	0.00	0.00	0.00	0.00	1.69	4.90	2.78	1.01	0.00	0.00	0.00	0.00	2.41	6.20
1915	2.37	1.05	0.00	0.00	0.00	0.00	1.80	5.22	2.96	1.08	0.00	0.00	0.00	0.00	2.57	6.61
1920	3.02	1.33	0.00	0.00	0.00	0.00	2.29	6.64	3.78	1.37	0.00	0.00	0.00	0.00	3.27	8.42
1925	3.37	1.49	0.00	0.00	0.00	0.00	2.55	7.41	4.21	1.53	0.00	0.00	0.00	0.00	3.65	9.39
1935	1.26	0.56	0.00	0.00	0.00	0.00	0.96	2.78	1.58	0.57	0.00	0.00	0.00	0.00	1.37	3.52
1940	1.31	0.58	0.00	0.00	0.00	0.00	1.00	2.89	1.64	0.60	0.00	0.00	0.00	0.00	1.42	3.66
1945	1.47	0.65	0.00	0.00	0.00	0.00	1.12	3.24	1.84	0.67	0.00	0.00	0.00	0.00	1.59	4.10

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	REPR	TOTAL RATE
1950	1.97	0.87	0.00	0.00	0.00	0.00	1.49	4.33	2.46	0.89	0.00	0.00	0.00	0.00	2.13	5.48
1955	2.20	0.97	0.00	0.00	0.00	0.00	1.67	4.84	2.75	1.00	0.00	0.00	0.00	0.00	2.38	6.13
1960	2.27	1.00	0.00	0.00	0.00	0.00	1.72	4.99	2.84	1.03	0.00	0.00	0.00	0.00	2.46	6.33
1965	2.43	1.07	0.00	0.00	0.00	0.00	1.84	5.34	3.04	1.10	0.00	0.00	0.00	0.00	2.63	6.77
1970	3.09	1.36	0.00	0.00	0.00	0.00	2.34	6.79	3.86	1.40	0.00	0.00	0.00	0.00	3.35	8.61
1975	3.18	1.40	0.00	0.00	0.00	0.00	2.41	6.99	3.97	1.44	0.00	0.00	0.00	0.00	3.45	8.86
1980	4.04	1.78	0.00	0.00	0.00	0.00	3.07	8.89	5.05	1.83	0.00	0.00	0.00	0.00	4.38	11.26
1985	4.20	1.85	0.00	0.00	0.00	0.00	3.19	9.24	5.25	1.91	0.00	0.00	0.00	0.00	4.55	11.71
1990	4.99	2.20	0.00	0.00	0.00	0.00	3.79	10.98	6.24	2.27	0.00	0.00	0.00	0.00	5.41	13.92
1995	5.32	2.35	0.00	0.00	0.00	0.00	4.03	11.70	6.65	2.41	0.00	0.00	0.00	0.00	5.76	14.82
2005	0.86	0.38	0.00	0.00	0.00	0.00	0.65	1.89	1.07	0.39	0.00	0.00	0.00	0.00	0.93	2.39
2010	1.10	0.48	0.00	0.00	0.00	0.00	0.83	2.41	1.37	0.50	0.00	0.00	0.00	0.00	1.19	3.06
2015	1.50	0.66	0.00	0.00	0.00	0.00	1.14	3.30	1.88	0.68	0.00	0.00	0.00	0.00	1.63	4.19
2020	1.99	0.88	0.00	0.00	0.00	0.00	1.51	4.38	2.49	0.90	0.00	0.00	0.00	0.00	2.16	5.55
2025	2.97	1.31	0.00	0.00	0.00	0.00	2.26	6.54	3.72	1.35	0.00	0.00	0.00	0.00	3.22	8.29
2030	3.39	1.50	0.00	0.00	0.00	0.00	2.57	7.46	4.24	1.54	0.00	0.00	0.00	0.00	3.68	9.46
2035	4.11	1.81	0.00	0.00	0.00	0.00	3.12	9.04	5.14	1.87	0.00	0.00	0.00	0.00	4.45	11.46
2040	4.99	2.20	0.00	0.00	0.00	0.00	3.79	10.98	6.24	2.27	0.00	0.00	0.00	0.00	5.41	13.92
2045	6.06	2.67	0.00	0.00	0.00	0.00	4.60	13.33	7.58	2.75	0.00	0.00	0.00	0.00	6.57	16.90
2050	7.03	3.10	0.00	0.00	0.00	0.00	5.33	15.46	8.79	3.19	0.00	0.00	0.00	0.00	7.62	19.60
2060	0.22	0.07	0.30	0.07	0.00	0.00	0.27	0.93								
2065	0.17	0.05	0.30	0.07	0.00	0.00	0.21	0.80								
2070	0.23	0.07	0.51	0.12	0.00	0.00	0.29	1.22								
2075	0.30	0.10	0.51	0.12	0.00	0.00	0.37	1.40								
2080	0.39	0.12	0.61	0.15	0.00	0.00	0.48	1.75								
2085	0.15	0.05	0.30	0.07	0.00	0.00	0.19	0.76								
2090	0.24	0.07	0.71	0.17	0.00	0.00	0.29	1.48								
2095	0.23	0.07	0.40	0.10	0.00	0.00	0.28	1.08								
2100	0.28	0.09	0.40	0.10	0.00	0.00	0.35	1.22								
2105	0.19	0.06	0.40	0.10	0.00	0.00	0.24	0.99								
2110	0.40	0.13	0.25	0.06	0.00	0.00	0.50	1.34								
2115	0.69	0.22	0.25	0.06	0.00	0.00	0.85	2.07								
2120	1.20	0.38	0.25	0.06	0.00	0.00	1.49	3.38								
2125	0.93	0.29	0.25	0.06	0.00	0.00	1.16	2.69								
2130	1.15	0.36	0.20	0.05	0.00	0.00	1.43	3.19								
2135	1.60	0.51	0.41	0.10	0.00	0.00	1.99	4.61								
2140	1.98	0.63	0.66	0.16	0.00	0.00	2.47	5.90								
2145	0.44	0.14	0.91	0.22	0.00	0.00	0.55	2.26								
2150	0.47	0.15	0.36	0.09	0.00	0.00	0.58	1.65								
2155	0.75	0.24	0.51	0.12	0.00	0.00	0.94	2.56								
2160	1.54	0.49	0.51	0.12	0.00	0.00	1.91	4.57								
2165	1.48	0.47	0.41	0.10	0.00	0.00	1.84	4.30								
2170	1.67	0.53	0.41	0.10	0.00	0.00	2.08	4.79								
2180	0.20	0.06	0.39	0.13	0.00	0.00	0.20	0.98								
2190	0.19	0.06	0.55	0.18	0.00	0.00	0.19	1.17								
2195	0.76	0.24	1.26	0.40	0.00	0.00	0.75	3.41								
2200	0.98	0.31	1.26	0.40	0.00	0.00	0.97	3.92								
2210	0.07	0.03	0.06	0.03	0.02	0.00	0.07	0.28								
2215	0.07	0.03	0.06	0.03	0.02	0.00	0.07	0.28								
2220	0.24	0.08	0.55	0.18	0.02	0.00	0.25	1.32								
2225	0.19	0.07	0.55	0.18	0.02	0.00	0.20	1.21								
2235	10.54	5.11	5.18	1.45	0.00	0.00	11.00	33.28								
2240	18.66	9.04	7.59	2.12	0.00	0.00	19.47	56.88								
2245	32.95	15.96	9.12	2.55	0.00	0.00	34.38	94.96								
2255	2.13	1.04	4.76	1.52	0.04	0.01	2.22	11.72								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNII 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
2260	9.61	4.65	3.65	1.02	0.00	0.00	10.02	28.95								
2270	2.14	0.98	0.65	0.18	0.06	0.01	2.59	6.61								
2275	2.41	1.09	1.08	0.30	0.04	0.01	2.90	7.83								
2280	0.91	0.41	0.00	0.19	0.00	0.00	1.09	2.60								
2285	1.46	0.65	0.00	0.30	0.00	0.00	1.75	4.16								
2295	3.91	1.76	3.33	0.93	0.02	0.00	4.70	14.65								
2305	4.99	2.24	5.91	1.66	0.02	0.00	6.00	20.82								
2310	12.65	5.72	12.82	3.59	0.23	0.03	15.23	50.27								
2320	4.42	1.98	3.60	1.01	0.02	0.00	5.31	16.34								
2325	6.85	3.10	8.17	2.29	0.12	0.02	8.25	28.80								
2330	7.04	3.19	8.17	2.29	0.12	0.02	8.48	29.31								
2335	13.21	6.05	10.68	2.99	0.57	0.09	15.96	49.55								
2340	19.36	8.81	10.68	2.99	0.58	0.09	23.34	65.85								
2345	24.08	10.96	14.59	4.08	0.77	0.12	29.04	83.64								
2350	24.36	11.09	14.59	4.08	0.77	0.12	29.38	84.39								
2360	0.12	0.05	0.81	0.26	0.00	0.00	0.14	1.38								
2365	0.14	0.06	1.21	0.39	0.00	0.00	0.16	1.96								
2370	0.15	0.06	1.41	0.45	0.00	0.00	0.17	2.24								
2375	0.34	0.14	1.41	0.45	0.00	0.00	0.38	2.72								
2380	0.44	0.18	1.82	0.58	0.00	0.00	0.50	3.52								
2385	0.45	0.18	2.32	0.74	0.00	0.00	0.51	4.20								
2390	0.75	0.30	3.03	0.97	0.00	0.00	0.84	5.89								
2395	0.92	0.37	6.57	2.10	0.00	0.00	1.03	10.99								
2405	11.86	6.91	2.68	0.48	0.00	0.00	10.28	32.21	14.23	7.03	3.39	0.61	0.00	0.00	14.09	39.35
2410	12.97	9.29	3.28	0.59	0.00	0.00	12.84	38.97	14.96	9.39	4.16	0.75	0.00	0.00	16.67	45.93
2415	13.37	9.58	2.63	0.47	0.00	0.00	9.93	35.98	15.43	9.68	3.39	0.61	0.00	0.00	12.42	41.53
2425	14.15	10.14	2.63	0.47	0.00	0.00	10.51	37.90	16.33	10.25	3.39	0.61	0.00	0.00	13.14	43.72
2435	14.96	10.72	2.63	0.47	0.00	0.00	11.11	39.89	17.26	10.83	3.39	0.61	0.00	0.00	13.89	45.98
2445	18.04	12.92	4.84	0.87	0.00	0.00	17.86	54.53	20.81	13.06	6.13	1.10	0.00	0.00	23.19	64.29
2450	17.67	12.66	3.87	0.70	0.00	0.00	13.12	48.02	20.39	12.79	5.00	0.90	0.00	0.00	16.40	55.48
2460	15.69	13.33	3.87	0.70	0.00	0.00	13.60	47.19	17.65	13.43	5.00	0.90	0.00	0.00	16.39	53.37
2470	19.97	16.97	3.87	0.70	0.00	0.00	17.30	58.81	22.47	17.09	5.00	0.90	0.00	0.00	20.86	66.32
2480	26.26	22.31	6.61	1.19	0.00	0.00	22.75	79.12	29.54	22.48	8.54	1.54	0.00	0.00	27.43	89.53
2490	27.40	23.28	6.61	1.19	0.00	0.00	23.74	82.22	30.83	23.45	8.54	1.54	0.00	0.00	28.62	92.98
2495	24.55	23.15	8.27	1.49	0.00	0.00	29.27	86.73	27.61	23.30	10.47	1.88	0.00	0.00	36.59	99.85
2505	31.12	26.44	6.61	1.19	0.00	0.00	26.96	92.32	35.01	26.63	8.54	1.54	0.00	0.00	32.50	104.22
2515	27.22	28.37	6.61	1.19	0.00	0.00	28.85	92.24	30.24	28.52	8.54	1.54	0.00	0.00	34.06	102.90
2525	29.43	30.68	6.61	1.19	0.00	0.00	31.20	99.11	32.70	30.84	8.54	1.54	0.00	0.00	36.83	110.45
2540	12.44	7.25	3.31	0.60	0.00	0.00	10.78	34.38	14.93	7.38	4.20	0.76	0.00	0.00	14.79	42.06
2545	10.53	7.54	2.65	0.48	0.00	0.00	7.82	29.02	12.15	7.62	3.42	0.62	0.00	0.00	9.77	33.58
2555	20.62	10.19	4.84	0.87	0.00	0.00	20.42	56.94	25.78	10.44	6.36	1.14	0.00	0.00	28.72	72.44
2560	13.51	9.67	4.15	0.75	0.00	0.00	13.37	41.45	15.58	9.78	5.25	0.95	0.00	0.00	17.36	48.92
2565	13.57	9.72	3.32	0.60	0.00	0.00	10.08	37.29	15.66	9.82	4.29	0.77	0.00	0.00	12.60	43.14
2575	28.75	14.20	5.98	1.08	0.00	0.00	28.47	78.48	35.94	14.56	7.86	1.41	0.00	0.00	40.04	99.81
2580	19.49	13.96	5.13	0.92	0.00	0.00	19.30	58.80	22.49	14.11	6.49	1.17	0.00	0.00	25.05	69.31
2590	37.04	19.57	6.89	1.24	0.00	0.00	38.71	103.45	44.44	19.94	9.05	1.63	0.00	0.00	51.61	126.67
2595	35.46	18.74	6.89	1.24	0.00	0.00	37.06	99.39	42.55	19.09	9.05	1.63	0.00	0.00	49.42	121.74
2600	20.96	19.76	5.90	1.06	0.00	0.00	24.99	72.67	23.57	19.89	7.48	1.35	0.00	0.00	31.24	83.53
2605	22.08	18.76	4.72	0.85	0.00	0.00	19.13	65.54	24.84	18.90	6.10	1.10	0.00	0.00	23.06	74.00
2615	27.47	23.34	5.60	1.01	0.00	0.00	23.80	81.22	30.90	23.51	7.23	1.30	0.00	0.00	28.69	91.63
2620	24.50	23.10	7.00	1.26	0.00	0.00	29.22	85.08	27.56	23.25	8.86	1.60	0.00	0.00	36.52	97.79
2630	44.83	23.69	8.27	1.49	0.00	0.00	46.86	125.14	53.80	24.13	10.86	1.96	0.00	0.00	62.48	153.23
2635	42.44	22.43	8.27	1.49	0.00	0.00	44.36	118.99	50.93	22.85	10.86	1.96	0.00	0.00	59.15	145.75
2640	24.11	22.74	7.08	1.28	0.00	0.00	28.76	83.97	27.13	22.89	8.97	1.62	0.00	0.00	35.95	96.56
2650	53.63	32.62	12.26	2.21	0.00	0.00	68.51	169.23	62.56	33.06	16.12	2.90	0.00	0.00	79.93	194.57

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
2655	26.57	27.70	10.51	1.89	0.00	0.00	35.21	101.88	29.52	27.84	13.32	2.40	0.00	0.00	43.03	116.11
2670	10.28	7.37	2.53	0.46	0.00	0.00	7.64	28.28	11.87	7.44	3.27	0.59	0.00	0.00	9.55	32.72
2680	13.07	11.10	3.80	0.68	0.00	0.00	11.32	39.97	14.70	11.18	4.91	0.88	0.00	0.00	13.65	45.32
2690	18.02	15.31	3.92	0.71	0.00	0.00	15.61	53.57	20.27	15.42	5.06	0.91	0.00	0.00	18.82	60.48
2700	28.77	24.44	5.64	1.02	0.00	0.00	24.93	84.80	32.37	24.62	7.29	1.31	0.00	0.00	30.05	95.64
2715	17.58	16.57	8.27	1.49	0.00	0.00	20.96	64.87	19.77	16.68	10.47	1.88	0.00	0.00	26.20	75.00
2720	20.38	17.31	6.61	1.19	0.00	0.00	17.66	63.15	22.92	17.44	8.54	1.54	0.00	0.00	21.28	71.72
2730	22.39	21.11	9.59	1.73	0.00	0.00	26.70	81.52	25.19	21.25	12.15	2.19	0.00	0.00	33.37	94.15
2735	24.27	20.62	7.67	1.38	0.00	0.00	21.03	74.97	27.31	20.77	9.91	1.78	0.00	0.00	25.35	85.12
2745	29.77	28.08	10.37	1.87	0.00	0.00	35.51	105.60	33.49	28.26	13.13	2.36	0.00	0.00	44.38	121.62
2750	27.12	28.26	8.29	1.49	0.00	0.00	28.75	93.91	30.13	28.41	10.71	1.93	0.00	0.00	33.94	105.12
2760	41.72	43.48	15.78	2.84	0.00	0.00	44.23	148.05	46.35	43.71	20.39	3.67	0.00	0.00	52.21	166.33
2765	42.51	44.31	19.73	3.55	0.00	0.00	56.32	166.42	47.23	44.54	24.99	4.50	0.00	0.00	68.84	190.10
2780	13.53	9.69	6.85	1.23	0.00	0.00	13.40	44.70	15.61	9.80	8.68	1.56	0.00	0.00	17.39	53.04
2785	13.38	9.58	5.48	0.99	0.00	0.00	9.94	39.37	15.44	9.69	7.08	1.27	0.00	0.00	12.42	45.90
2795	34.15	16.87	8.84	1.59	0.00	0.00	33.82	95.27	42.69	17.30	11.61	2.09	0.00	0.00	47.56	121.25
2800	19.54	14.00	7.57	1.36	0.00	0.00	19.35	61.82	22.54	14.14	9.59	1.73	0.00	0.00	25.11	73.11
2805	19.33	13.85	6.06	1.09	0.00	0.00	14.36	54.59	22.30	13.99	7.83	1.41	0.00	0.00	17.94	63.47
2815	19.01	17.92	7.57	1.36	0.00	0.00	22.67	68.53	21.38	18.04	9.59	1.73	0.00	0.00	28.33	79.07
2820	20.17	17.14	6.06	1.09	0.00	0.00	17.48	61.94	22.69	17.26	7.83	1.41	0.00	0.00	21.07	70.26
2830	50.19	26.52	12.03	2.17	0.00	0.00	52.46	143.37	60.23	27.02	15.81	2.85	0.00	0.00	69.95	175.86
2835	26.43	24.92	10.31	1.86	0.00	0.00	31.52	95.04	29.73	25.08	13.06	2.35	0.00	0.00	39.39	109.61
2840	29.29	24.89	8.25	1.48	0.00	0.00	25.38	89.29	32.95	25.07	10.65	1.92	0.00	0.00	30.59	101.18
2850	25.07	26.13	12.38	2.23	0.00	0.00	33.22	99.03	27.85	26.27	15.69	2.82	0.00	0.00	40.60	113.23
2855	31.59	26.93	9.91	1.78	0.00	0.00	27.46	97.77	35.65	27.12	12.80	2.30	0.00	0.00	33.10	110.97
2870	15.63	11.19	4.03	0.73	0.00	0.00	15.48	47.06	18.03	11.31	5.11	0.92	0.00	0.00	20.09	55.46
2875	13.24	11.25	3.23	0.58	0.00	0.00	11.47	39.77	14.90	11.33	4.17	0.75	0.00	0.00	13.83	44.98
2885	19.49	13.96	5.70	1.03	0.00	0.00	19.30	53.48	22.49	14.11	7.22	1.30	0.00	0.00	25.06	70.18
2890	16.67	14.16	4.56	0.82	0.00	0.00	14.44	50.65	18.75	14.26	5.89	1.06	0.00	0.00	17.41	57.37
2895	18.26	17.22	6.80	1.22	0.00	0.00	21.78	65.28	20.54	17.33	8.61	1.55	0.00	0.00	27.22	75.25
2900	20.25	17.21	5.44	0.98	0.00	0.00	17.55	61.43	22.78	17.33	7.02	1.26	0.00	0.00	21.15	63.54
2905	51.01	53.17	8.71	1.57	0.00	0.00	54.08	168.54	56.68	53.45	11.25	2.02	0.00	0.00	63.84	187.24
2915	5.00	4.00	4.09	1.14	0.89	0.13	4.38	19.63								
2920	5.39	4.29	4.20	1.17	0.89	0.13	4.71	20.78								
2925	6.04	4.85	4.20	1.17	1.21	0.18	5.29	22.94								
2930	6.63	5.31	4.20	1.17	1.25	0.19	5.81	24.56								
2935	8.86	7.06	5.69	1.59	1.09	0.16	7.75	32.20								
2940	12.21	9.85	6.20	1.74	2.66	0.40	10.71	43.77								
2945	14.49	11.76	6.20	1.74	3.49	0.52	12.73	50.93								
2950	17.97	14.47	7.59	2.12	3.76	0.56	15.76	62.23								
2955	23.02	18.68	8.39	2.35	5.53	0.83	20.22	79.02								
2960	43.83	35.26	18.68	5.23	9.11	1.37	38.93	151.91								
2970	5.28	4.13	4.38	1.23	0.54	0.08	4.61	20.25								
2975	5.70	4.45	4.38	1.23	0.54	0.08	4.97	21.35								
2980	6.11	4.76	4.38	1.23	0.54	0.08	5.32	22.42								
2990	5.35	4.18	4.56	1.28	0.54	0.08	4.66	20.65								
2995	5.50	4.30	4.56	1.28	0.54	0.08	4.79	21.05								
3000	5.70	4.45	4.56	1.28	0.54	0.08	4.97	21.58								
3005	6.36	5.04	4.56	1.28	0.93	0.14	5.56	23.87								
3010	8.11	6.44	5.65	1.58	1.27	0.19	7.09	30.33								
3015	8.37	6.63	5.65	1.58	1.27	0.19	7.31	31.00								
3020	8.66	6.86	5.65	1.58	1.27	0.19	7.57	31.78								
3025	11.40	9.23	7.37	2.06	2.66	0.40	10.01	43.13								
3030	11.83	9.56	7.37	2.06	2.66	0.40	10.28	44.26								
3035	12.30	9.92	7.37	2.06	2.66	0.40	10.70	45.50								

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
3040	15.76	12.78	8.57	2.40	3.76	0.56	13.85	57.68								
3050	4.77	3.72	4.30	1.21	0.44	0.07	4.15	18.66								
3055	4.91	3.84	4.30	1.21	0.54	0.08	4.28	19.16								
3060	5.06	3.96	4.30	1.21	0.54	0.08	4.41	19.56								
3065	5.75	4.57	4.30	1.21	0.93	0.14	5.03	21.93								
3070	12.89	10.37	6.86	1.92	2.66	0.40	11.30	46.40								
3080	8.66	7.55	6.12	1.59	0.75	0.11	6.47	31.25	9.74	7.60	7.84	2.04	0.90	0.14	7.88	36.14
3085	15.18	13.13	8.74	2.27	0.93	0.14	11.31	51.70	17.07	13.22	11.27	2.93	1.14	0.17	13.79	59.59
3095	9.83	7.17	6.27	1.63	0.50	0.07	6.11	31.58	11.34	7.24	8.26	2.15	0.61	0.09	7.75	37.44
3100	9.81	8.56	7.41	1.93	0.92	0.14	7.32	36.09	11.03	8.62	9.74	2.53	1.13	0.17	8.93	42.15
3105	12.28	10.67	7.77	2.02	0.93	0.14	9.16	42.97	13.81	10.74	10.22	2.66	1.14	0.17	11.17	49.91
3110	16.11	15.72	8.90	2.31	2.44	0.37	14.08	59.93	17.90	15.81	11.45	2.98	3.02	0.45	16.76	68.37
3115	25.15	24.20	9.21	2.39	2.44	0.37	21.91	85.67	27.94	24.34	11.81	3.07	3.02	0.45	26.08	95.71
3120	26.79	28.30	14.13	3.67	3.19	0.48	26.68	103.24	29.46	28.43	18.22	4.74	3.94	0.59	31.18	116.56
3130	9.69	7.09	7.88	2.05	0.60	0.09	6.02	33.42	11.18	7.16	10.37	2.70	0.74	0.11	7.64	39.90
3135	9.48	8.22	7.88	2.05	0.66	0.10	7.07	35.46	10.67	8.28	10.37	2.70	0.82	0.12	8.62	41.58
3140	11.57	10.03	8.90	2.31	0.79	0.12	8.63	42.35	13.01	10.10	11.71	3.05	0.97	0.14	10.51	49.49
3150	10.04	7.32	7.66	1.99	0.50	0.07	6.24	33.82	11.59	7.40	10.08	2.62	0.61	0.09	7.92	40.31
3155	10.61	9.23	8.90	2.31	0.88	0.13	7.92	39.98	11.93	9.30	11.71	3.05	1.08	0.16	9.65	46.88
3160	11.51	9.99	8.68	2.26	0.88	0.13	8.59	42.04	12.94	10.07	11.42	2.97	1.08	0.16	10.46	49.10
3165	16.51	16.10	13.32	3.46	2.44	0.37	14.42	66.62	18.35	16.19	17.52	4.56	3.02	0.45	17.17	77.26
3175	15.53	13.59	5.75	1.50	1.53	0.24	11.60	49.84	17.47	13.69	7.34	1.91	2.01	0.30	14.14	56.86
3180	14.41	13.92	5.75	1.50	1.63	0.24	12.56	50.01	16.01	14.01	7.34	1.91	2.01	0.30	14.96	56.54
3185	17.79	17.10	9.27	2.41	1.63	0.24	15.49	63.93	19.77	17.20	11.98	3.11	2.01	0.30	18.44	72.81
3190	20.30	19.56	10.06	2.62	2.07	0.31	17.69	72.61	22.55	19.68	12.89	3.35	2.56	0.38	21.06	82.48
3195	26.01	27.23	12.07	3.14	2.07	0.31	25.86	96.59	28.61	27.36	15.53	4.04	2.56	0.38	30.22	108.70
3200	34.46	36.59	13.41	3.49	4.86	0.73	34.36	127.90	37.91	36.77	17.21	4.47	6.00	0.90	40.16	143.42
3210	13.10	11.53	5.57	1.45	1.53	0.24	9.80	43.32	14.74	11.62	7.10	1.84	2.01	0.30	11.95	49.56
3215	19.60	18.84	8.10	2.11	1.81	0.27	17.07	67.80	21.78	18.95	10.35	2.69	2.24	0.34	20.32	76.67
3220	20.07	21.13	8.32	2.16	2.07	0.31	19.98	74.04	22.08	21.23	10.63	2.76	2.56	0.38	23.35	82.99
3230	14.17	12.44	5.80	1.51	1.63	0.24	10.60	46.39	15.94	12.53	7.40	1.92	2.01	0.30	12.91	53.01
3235	14.71	14.21	7.11	1.85	1.63	0.24	12.82	52.57	16.35	14.29	9.11	2.37	2.01	0.30	15.27	59.70
3240	18.04	17.38	9.43	2.45	1.81	0.27	15.72	65.10	20.04	17.48	12.14	3.16	2.24	0.34	18.71	74.11
3245	20.02	21.09	9.92	2.58	2.07	0.31	19.93	75.92	22.02	21.19	12.77	3.32	2.53	0.38	23.29	85.50
3255	12.03	8.78	4.27	1.11	0.65	0.10	7.48	34.42	13.88	8.87	5.43	1.41	0.82	0.12	9.49	40.02
3260	11.23	9.73	4.51	1.17	0.76	0.11	8.37	35.88	12.63	9.80	5.73	1.49	0.94	0.14	10.21	40.94
3265	12.56	10.91	4.77	1.24	0.98	0.15	9.37	39.98	14.13	10.99	6.06	1.58	1.21	0.18	11.42	45.57
3270	16.05	14.04	6.47	1.68	1.63	0.24	11.99	52.10	18.06	14.14	8.28	2.15	2.01	0.30	14.62	59.56
3275	16.28	15.68	6.59	1.71	1.63	0.24	14.18	56.31	18.09	15.77	8.43	2.19	2.01	0.30	16.89	63.68
3280	17.76	17.18	8.13	2.11	2.07	0.31	15.49	63.05	19.74	17.28	10.35	2.69	2.56	0.38	18.44	71.44
3285	21.85	21.01	8.82	2.29	2.07	0.31	19.03	75.38	24.27	21.13	11.26	2.93	2.56	0.38	22.65	85.18
3290	21.09	22.17	9.95	2.59	2.07	0.31	20.98	79.16	23.20	22.28	12.75	3.32	2.56	0.38	24.52	89.01
3295	46.42	48.53	16.22	4.22	3.42	0.51	46.14	165.46	51.07	48.77	20.91	5.44	4.22	0.63	53.93	184.97
3305	10.96	10.34	4.32	7.04	0.00	0.00	11.62	44.28								
3310	0.47	0.44	0.00	0.00	0.00	0.00	0.50	1.41								
3315	1.76	1.66	0.00	0.00	0.00	0.00	1.86	5.28								
3320	13.80	13.01	7.56	8.66	0.00	0.00	14.63	57.66								
3325	0.47	0.44	0.00	0.00	0.00	0.00	0.50	1.41								
3330	1.76	1.66	0.00	0.00	0.00	0.00	1.86	5.28								
3335	16.86	15.90	7.56	8.66	0.00	0.00	17.87	66.85								
3340	0.59	0.56	0.00	0.00	0.00	0.00	0.62	1.77								
3345	1.80	1.69	0.00	0.00	0.00	0.00	1.90	5.39								
3350	19.50	18.39	11.88	10.82	0.00	0.00	20.67	81.26								
3355	0.63	0.59	0.00	0.00	0.00	0.00	0.66	1.88								
3360	3.47	3.27	0.00	0.00	0.00	0.00	3.68	10.42								

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	20.57	19.39	11.88	10.82	0.00	0.00	21.80	84.46								
3370	0.59	0.56	0.00	0.00	0.00	0.00	0.62	1.77								
3375	3.55	3.44	0.00	0.00	0.00	0.00	3.87	10.96								
3385	5.66	2.78	0.00	0.34	0.00	0.00	6.20	14.98								
3390	5.19	2.55	0.00	0.50	0.00	0.00	5.69	13.93								
3395	5.92	2.31	0.00	0.67	0.00	0.00	6.48	15.98								
3400	6.98	3.43	0.00	0.67	0.00	0.00	7.65	18.73								
3405	7.76	3.81	0.00	0.84	0.00	0.00	8.50	20.91								
3415	6.39	3.14	0.00	0.48	0.00	0.00	7.00	17.01								
3420	6.97	3.43	0.00	0.64	0.00	0.00	7.64	18.68								
3425	7.92	3.89	0.00	1.01	0.00	0.00	8.67	21.49								
3435	5.71	2.81	0.00	0.55	0.00	0.00	6.25	15.32								
3440	6.48	3.19	0.00	0.55	0.00	0.00	7.10	17.32								
3445	7.92	3.89	0.00	0.82	0.00	0.00	8.68	21.31								
3455	1.40	0.69	0.00	0.31	0.00	0.00	1.53	3.93								
3460	0.90	0.44	0.00	0.31	0.00	0.00	0.98	2.63								
3465	0.13	0.07	0.00	0.25	0.00	0.00	0.15	0.60								
3475	2.11	1.04	1.99	0.48	0.00	0.00	2.31	7.93								
3480	1.47	0.72	0.90	0.22	0.00	0.00	1.61	4.92								
3490	1.33	0.65	1.08	0.17	0.00	0.00	1.46	4.69								
3495	2.02	0.99	2.79	0.45	0.00	0.00	2.21	8.46								
3500	2.41	1.18	1.80	0.43	0.00	0.00	2.64	8.46								
3505	2.77	1.36	2.44	0.58	0.00	0.00	3.04	10.19								
3510	3.33	1.64	2.71	0.65	0.00	0.00	3.64	11.97								
3520	1.27	0.62	1.62	0.26	0.00	0.00	1.39	5.16								
3525	1.96	0.96	2.21	0.53	0.00	0.00	2.14	7.80								
3535	16.25	11.75	13.72	3.29	1.23	0.18	17.85	61.27								
3545	15.12	10.94	10.15	2.44	1.22	0.18	16.61	56.66								
3550	23.14	16.73	15.12	3.63	1.68	0.25	25.43	85.98								
3555	24.64	17.80	15.79	3.79	1.68	0.25	27.07	91.02								
3560	17.81	12.69	18.50	4.44	0.00	0.00	19.51	72.95								
3565	19.63	14.02	18.50	4.44	0.00	0.00	21.56	78.20								
3570	22.31	20.83	18.50	4.44	0.00	0.00	24.44	90.52								
3575	41.29	38.54	40.60	20.30	0.00	0.00	22.61	163.34								
3595	1.21	0.61	1.30	0.58	0.05	0.01	1.06	4.82								
3600	1.22	0.62	1.30	0.58	0.06	0.01	1.07	4.86								
3605	1.26	0.65	1.30	0.58	0.08	0.01	1.11	4.99								
3610	1.76	0.89	2.30	1.04	0.09	0.01	1.54	7.63								
3615	1.90	0.91	2.30	1.04	0.09	0.01	1.58	7.73								
3620	1.98	1.00	3.38	1.52	0.09	0.01	1.74	9.72								
3625	2.44	1.25	3.82	1.72	0.14	0.02	2.14	11.53								
3630	2.57	1.30	3.82	1.72	0.12	0.02	2.25	11.80								
3635	2.73	1.37	3.82	1.72	0.08	0.01	2.39	12.12								
3640	1.18	0.59	2.71	0.65	0.03	0.00	1.03	6.19								
3645	1.53	0.79	3.52	0.84	0.11	0.02	1.35	8.16								
3650	1.53	0.80	3.52	0.84	0.19	0.03	1.35	8.26								
3655	2.18	1.11	4.62	1.11	0.13	0.02	1.91	11.08								
3660	2.20	1.12	4.62	1.11	0.13	0.02	1.93	11.13								
3665	2.29	1.17	4.62	1.11	0.13	0.02	2.01	11.35								
3670	3.30	1.58	4.84	1.16	0.19	0.03	2.90	14.10								
3675	3.56	1.81	2.55	0.61	0.19	0.03	3.12	11.87								
3680	4.62	2.40	4.56	1.09	0.45	0.07	4.07	17.26								
3685	5.05	2.51	4.56	1.09	0.45	0.07	4.45	18.28								
3690	5.21	2.68	4.56	1.09	0.40	0.06	4.59	18.59								
3695	5.79	3.01	4.56	1.09	0.57	0.09	4.10	20.21								

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	
3700	2.01	1.05	2.48	0.60	0.20	0.03	1.78	8.15								
3705	2.07	1.07	2.48	0.60	0.20	0.03	1.82	8.27								
3710	2.52	1.30	2.48	0.60	0.20	0.03	2.22	9.35								
3715	2.60	1.35	2.48	0.60	0.25	0.04	2.29	9.61								
3725	1.95	1.00	4.62	1.11	0.12	0.02	1.71	10.53								
3730	2.21	1.13	5.86	1.41	0.13	0.02	1.94	12.70								
3735	3.40	1.73	8.50	2.04	0.16	0.02	2.98	18.83								
3740	4.67	2.42	9.30	2.23	0.45	0.07	4.11	23.25								
3745	5.37	2.77	9.30	2.23	0.45	0.07	4.72	24.91								
3750	5.56	2.88	9.30	2.23	0.53	0.08	4.90	25.48								
3755	6.26	3.21	9.30	2.23	0.43	0.06	5.50	26.99								
3760	11.94	6.14	13.92	3.34	0.94	0.14	10.50	46.92								
3775	2.06	0.83	4.71	1.13	0.00	0.00	1.53	10.26	2.35	0.85	6.19	1.49	0.00	0.00	2.04	12.92
3780	2.43	0.98	7.30	1.75	0.00	0.00	1.80	14.26	2.77	1.00	9.60	2.30	0.00	0.00	2.40	18.07
3785	2.76	1.12	8.03	1.93	0.00	0.00	2.05	15.89	3.16	1.14	10.56	2.53	0.00	0.00	2.74	20.13
3790	2.93	1.19	9.48	2.28	0.00	0.00	2.17	18.05	3.35	1.21	12.48	3.00	0.00	0.00	2.90	22.94
3795	3.32	1.34	10.76	2.58	0.00	0.00	2.46	20.46	3.79	1.37	14.16	3.40	0.00	0.00	3.28	26.00
3800	3.87	1.57	12.04	2.89	0.00	0.00	2.88	23.25	4.43	1.60	15.84	3.80	0.00	0.00	3.84	29.51
3805	4.21	1.71	14.23	3.41	0.00	0.00	3.13	26.69	4.81	1.74	18.72	4.49	0.00	0.00	4.17	33.93
3810	7.70	3.12	15.50	3.72	0.00	0.00	5.72	35.76	8.80	3.17	20.40	4.90	0.00	0.00	7.62	44.89
3815	5.82	2.36	16.05	3.85	0.00	0.00	4.32	32.40	6.65	2.40	21.12	5.07	0.00	0.00	5.76	41.00
3820	6.77	2.74	22.80	5.47	0.00	0.00	5.03	42.81	7.74	2.79	30.00	7.20	0.00	0.00	6.70	54.43
3825	10.32	4.18	26.63	6.39	0.00	0.00	7.66	55.18	11.79	4.25	35.04	8.41	0.00	0.00	10.21	69.70
3830	15.31	6.20	29.55	7.09	0.00	0.00	11.36	69.51	17.49	6.31	38.88	9.33	0.00	0.00	15.15	87.16
3835	19.92	8.07	42.13	10.11	0.00	0.00	14.79	95.02	22.77	8.21	55.44	13.31	0.00	0.00	19.72	119.45
3845	0.07	0.03	0.37	0.09	0.00	0.00	0.05	0.61	0.07	0.03	0.48	0.11	0.00	0.00	0.06	0.75
3850	0.10	0.04	0.59	0.14	0.00	0.00	0.08	0.95	0.12	0.04	0.76	0.18	0.00	0.00	0.10	1.20
3855	0.13	0.05	0.88	0.21	0.00	0.00	0.10	1.37	0.15	0.06	1.15	0.27	0.00	0.00	0.13	1.76
3870	0.14	0.06	0.44	0.11	0.00	0.00	0.10	0.85	0.16	0.06	0.57	0.14	0.00	0.00	0.14	1.07
3875	0.31	0.13	1.03	0.25	0.00	0.00	0.23	1.95	0.36	0.13	1.34	0.32	0.00	0.00	0.31	2.46
3880	0.34	0.14	1.47	0.35	0.00	0.00	0.25	2.55	0.39	0.14	1.91	0.46	0.00	0.00	0.34	3.24
3885	0.36	0.15	0.22	0.05	0.00	0.00	0.27	1.05	0.41	0.15	0.29	0.07	0.00	0.00	0.36	1.28
3890	0.48	0.19	0.44	0.11	0.00	0.00	0.36	1.58	0.55	0.20	0.58	0.14	0.00	0.00	0.47	1.94
3895	0.69	0.28	0.80	0.19	0.00	0.00	0.51	2.47	0.79	0.28	1.06	0.25	0.00	0.00	0.68	3.06
3900	0.71	0.29	0.98	0.24	0.00	0.00	0.53	2.75	0.81	0.29	1.30	0.31	0.00	0.00	0.70	3.41
3905	1.05	0.43	2.30	0.55	0.00	0.00	0.78	5.11	1.20	0.43	3.02	0.73	0.00	0.00	1.04	6.42
3910	1.39	0.56	3.17	0.76	0.00	0.00	1.03	6.91	1.59	0.57	4.18	1.00	0.00	0.00	1.37	8.71
3915	1.60	0.65	3.72	0.89	0.00	0.00	1.18	8.04	1.82	0.66	4.90	1.18	0.00	0.00	1.58	10.14
3920	1.90	0.77	5.91	1.42	0.00	0.00	1.41	11.41	2.17	0.78	7.78	1.87	0.00	0.00	1.88	14.48
3925	1.99	0.81	5.91	1.42	0.00	0.00	1.48	11.61	2.27	0.82	7.78	1.87	0.00	0.00	1.97	14.71
3930	2.30	0.93	7.66	1.84	0.00	0.00	1.71	14.44	2.63	0.95	10.08	2.42	0.00	0.00	2.28	18.36
3935	2.73	1.11	10.07	2.42	0.00	0.00	2.03	18.36	3.12	1.13	13.25	3.18	0.00	0.00	2.70	23.38
3945	0.08	0.03	0.37	0.09	0.00	0.00	0.06	0.63	0.09	0.03	0.48	0.11	0.00	0.00	0.08	0.79
3950	0.08	0.03	0.37	0.09	0.00	0.00	0.06	0.63	0.09	0.03	0.48	0.11	0.00	0.00	0.08	0.79
3955	0.10	0.04	0.51	0.12	0.00	0.00	0.07	0.84	0.11	0.04	0.67	0.16	0.00	0.00	0.10	1.08
3960	0.13	0.05	0.73	0.18	0.00	0.00	0.09	1.18	0.14	0.05	0.95	0.23	0.00	0.00	0.13	1.50
3965	0.16	0.07	1.17	0.28	0.00	0.00	0.12	1.80	0.18	0.07	1.53	0.37	0.00	0.00	0.16	2.31
3970	0.17	0.07	1.17	0.28	0.00	0.00	0.12	1.81	0.19	0.07	1.53	0.37	0.00	0.00	0.17	2.33
3985	5.87	3.91	4.20	1.22	0.45	0.07	4.72	20.44	7.05	3.97	5.52	1.60	0.60	0.09	6.14	24.97
3990	6.71	4.45	4.54	1.32	0.45	0.07	5.39	22.93	8.05	4.51	5.96	1.73	0.60	0.09	7.00	27.94
3995	7.24	4.80	4.54	1.32	0.49	0.07	5.82	24.28	8.69	4.88	5.96	1.73	0.66	0.10	7.56	29.58
4000	7.34	4.89	5.04	1.46	0.56	0.08	5.91	25.28	8.81	4.96	6.62	1.92	0.76	0.11	7.68	30.86
4005	10.07	6.82	6.05	1.75	1.24	0.19	8.14	34.26	12.09	6.93	7.95	2.31	1.68	0.25	10.58	41.79
4010	14.33	9.76	8.40	2.44	1.93	0.29	11.59	48.74	17.20	9.90	11.04	3.20	2.62	0.39	15.07	59.42
4020	5.70	3.80	4.20	1.22	0.49	0.07	4.58	20.06	6.84	3.86	5.52	1.60	0.66	0.10	5.96	24.54

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	6.47	4.31	4.84	1.40	0.54	0.08	5.20	22.84	7.76	4.38	6.36	1.84	0.73	0.11	6.76	27.94
4030	6.84	4.58	4.97	1.44	0.62	0.09	5.51	24.05	8.21	4.65	6.54	1.90	0.84	0.13	7.16	29.43
4035	7.49	4.98	6.08	1.76	0.54	0.08	6.02	26.95	8.99	5.05	7.99	2.32	0.73	0.11	7.83	33.02
4040	5.35	3.58	4.20	1.22	0.49	0.07	4.30	19.21	6.41	3.63	5.52	1.60	0.66	0.10	5.60	23.52
4045	5.92	3.96	4.84	1.40	0.54	0.08	4.77	21.51	7.10	4.02	6.36	1.84	0.73	0.11	6.20	26.36
4050	6.22	4.18	4.97	1.44	0.62	0.09	5.01	22.53	7.47	4.24	6.54	1.90	0.84	0.13	6.52	27.64
4055	6.81	4.56	6.08	1.76	0.62	0.09	5.49	25.41	8.18	4.63	7.99	2.32	0.84	0.13	7.13	31.22
4060	8.40	5.74	7.73	2.24	1.24	0.19	6.80	32.34	10.07	5.83	10.16	2.95	1.68	0.25	8.84	39.78
4070	3.16	2.08	2.28	0.66	0.15	0.02	2.53	10.88	3.79	2.11	3.00	0.87	0.20	0.03	3.29	13.29
4075	4.46	3.00	4.37	1.27	0.49	0.07	3.59	17.25	5.35	3.05	5.74	1.66	0.66	0.10	4.67	21.23
4080	4.90	3.31	4.87	1.41	0.56	0.08	3.95	19.08	5.88	3.36	6.40	1.86	0.76	0.11	5.14	23.51
4085	5.04	3.47	5.38	1.56	0.82	0.12	4.09	20.48	6.05	3.52	7.07	2.05	1.11	0.17	5.32	25.29
4095	2.71	1.79	4.50	0.74	0.15	0.02	2.17	12.18	3.25	1.81	5.96	0.95	0.20	0.03	2.82	15.02
4100	5.80	3.86	4.87	1.41	0.45	0.07	4.66	21.12	6.96	3.92	6.40	1.86	0.60	0.09	6.06	25.89
4105	6.68	4.46	6.25	1.81	0.56	0.08	5.38	25.22	8.02	4.53	8.21	2.38	0.76	0.11	6.99	31.00
4115	0.42	0.21	0.00	0.10	0.00	0.00	0.42	1.15								
4120	0.76	0.37	0.00	0.19	0.00	0.00	0.75	2.07								
4125	0.95	0.47	0.00	0.30	0.00	0.00	0.95	2.57								
4130	2.37	1.17	0.00	0.40	0.00	0.00	2.36	6.30								
4140	5.30	2.62	3.65	0.88	0.00	0.00	5.28	17.73								
4145	7.17	3.55	3.65	0.88	0.00	0.00	7.14	22.39								
4150	11.03	5.46	4.74	1.14	0.00	0.00	10.99	33.36								
4155	13.09	6.48	5.47	1.31	0.00	0.00	13.04	39.39								
4170	10.54	4.71	3.46	0.62	0.00	0.00	9.78	29.11	14.06	4.88	4.55	0.82	0.00	0.00	14.90	39.21
4175	15.30	7.56	6.22	1.12	0.00	0.00	15.15	45.35	19.13	7.75	8.17	1.47	0.00	0.00	21.31	57.83
4180	22.58	11.16	10.08	1.81	0.00	0.00	22.36	67.99	28.23	11.44	13.25	2.38	0.00	0.00	31.45	86.75
4185	31.95	16.88	15.32	2.76	0.00	0.00	33.40	100.31	38.34	17.20	20.14	3.52	0.00	0.00	44.53	123.83
4195	14.04	6.27	5.38	0.97	0.00	0.00	13.02	39.68	18.71	6.50	7.07	1.27	0.00	0.00	19.68	53.39
4200	17.22	8.51	7.90	1.42	0.00	0.00	17.05	52.10	21.52	8.72	10.38	1.87	0.00	0.00	23.97	66.46
4205	18.40	9.72	10.35	1.86	0.00	0.00	19.23	59.56	22.08	9.91	13.60	2.45	0.00	0.00	25.65	73.69
4210	39.26	20.75	20.70	3.73	0.00	0.00	41.04	125.48	47.12	21.14	27.20	4.90	0.00	0.00	54.72	155.08
4220	15.96	7.13	5.91	1.06	0.00	0.00	14.81	44.87	21.28	7.39	7.77	1.40	0.00	0.00	22.56	60.40
4225	18.91	9.34	6.89	1.24	0.00	0.00	18.73	55.11	23.64	9.59	9.05	1.53	0.00	0.00	26.34	70.24
4230	23.85	11.78	8.33	1.50	0.00	0.00	23.62	69.08	29.81	12.08	10.95	1.97	0.00	0.00	33.21	88.02
4235	35.48	18.75	13.17	2.37	0.00	0.00	37.08	106.85	42.57	19.10	17.31	3.12	0.00	0.00	49.44	131.54
4245	9.39	4.20	4.20	0.76	0.00	0.00	8.71	27.26	12.52	4.35	5.52	0.99	0.00	0.00	13.28	36.66
4250	11.63	5.19	5.54	1.00	0.00	0.00	10.79	34.15	15.51	5.39	7.29	1.31	0.00	0.00	16.44	45.94
4260	11.33	5.06	3.02	0.54	0.00	0.00	10.51	30.46	15.11	5.25	3.97	0.72	0.00	0.00	16.02	41.07
4265	13.93	6.22	4.54	0.82	0.00	0.00	12.92	38.43	18.58	6.45	5.96	1.07	0.00	0.00	19.69	51.75
4270	21.59	10.67	6.55	1.18	0.00	0.00	21.38	61.37	26.99	10.93	8.61	1.55	0.00	0.00	30.07	78.15
4275	33.61	16.61	10.92	1.97	0.00	0.00	33.29	96.40	42.02	17.02	14.35	2.58	0.00	0.00	46.81	122.78
4290	13.92	6.22	3.86	0.70	0.00	0.00	12.91	37.61	18.56	6.45	5.08	0.91	0.00	0.00	19.68	50.68
4295	17.36	7.75	5.38	0.97	0.00	0.00	16.10	47.56	23.15	8.04	7.07	1.27	0.00	0.00	24.54	64.07
4300	20.11	9.94	9.14	1.65	0.00	0.00	19.91	60.75	25.14	10.18	12.01	2.16	0.00	0.00	28.00	77.49
4315	11.35	5.61	6.05	1.09	0.00	0.00	11.24	35.34	14.19	5.75	7.95	1.43	0.00	0.00	15.81	45.13
4320	20.55	10.15	9.74	1.75	0.00	0.00	20.35	62.54	25.69	10.41	12.81	2.31	0.00	0.00	28.62	79.84
4325	25.64	13.55	13.10	2.36	0.00	0.00	26.80	81.45	30.77	13.80	17.22	3.10	0.00	0.00	35.73	100.62
4335	9.93	4.44	3.63	0.55	0.00	0.00	9.21	27.36	13.24	4.60	4.77	0.86	0.00	0.00	14.04	37.51
4340	13.09	5.85	4.80	0.86	0.00	0.00	12.14	36.74	17.45	6.05	6.31	1.14	0.00	0.00	18.50	49.46
4345	13.50	6.67	7.06	1.27	0.00	0.00	13.37	41.87	16.88	6.84	9.27	1.57	0.00	0.00	18.80	53.46
4350	19.72	9.74	8.06	1.45	0.00	0.00	19.53	58.50	24.65	9.99	10.60	1.91	0.00	0.00	27.47	74.62
4355	24.54	12.12	10.32	1.86	0.00	0.00	24.30	73.14	30.67	12.43	13.56	2.44	0.00	0.00	34.17	93.27
4360	27.40	14.48	11.16	2.01	0.00	0.00	28.64	83.69	32.88	14.75	14.66	2.64	0.00	0.00	38.18	103.11
4365	33.26	17.58	14.11	2.54	0.00	0.00	34.77	102.26	39.91	17.91	18.55	3.34	0.00	0.00	46.35	126.06
4370	39.65	20.95	15.59	2.81	0.00	0.00	41.44	120.44	47.58	21.34	20.49	3.69	0.00	0.00	55.26	148.36

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
4375	47.48	28.88	25.54	4.60	0.00	0.00	60.66	167.16	55.39	29.27	33.56	6.04	0.00	0.00	70.77	195.03
4380	54.71	33.27	27.96	5.03	0.00	0.00	69.89	190.86	63.82	33.73	36.74	6.61	0.00	0.00	81.54	222.44
4395	13.11	5.86	5.11	0.92	0.00	0.00	12.16	37.16	17.49	6.07	6.71	1.21	0.00	0.00	18.54	50.02
4400	18.18	8.98	7.56	1.38	0.00	0.00	18.00	54.20	22.72	9.21	10.07	1.81	0.00	0.00	25.32	69.13
4405	22.55	11.14	10.21	1.84	0.00	0.00	22.33	68.07	28.19	11.42	13.42	2.42	0.00	0.00	31.41	86.86
4415	8.19	6.00	7.10	1.95	0.55	0.08	5.09	28.96	9.45	6.06	9.30	2.55	0.69	0.10	6.46	34.61
4420	10.73	7.82	7.21	1.87	0.57	0.09	6.66	34.95	12.38	7.91	9.28	2.41	0.72	0.11	8.46	41.27
4425	11.78	10.24	11.96	3.11	0.92	0.14	8.79	46.94	13.26	10.31	15.44	4.01	1.15	0.17	10.72	55.06
4435	1.40	0.70	0.00	0.11	0.00	0.00	1.44	3.65	1.75	0.72	0.00	0.11	0.00	0.00	2.03	4.61
4440	1.84	0.92	0.00	0.13	0.00	0.00	1.90	4.79	2.31	0.95	0.00	0.13	0.00	0.00	2.67	6.06
4445	2.74	1.37	0.00	0.16	0.00	0.00	2.82	7.09	3.42	1.40	0.00	0.16	0.00	0.00	3.96	8.94
4450	1.41	0.70	0.00	0.23	0.00	0.00	1.45	3.79	1.76	0.72	0.00	0.23	0.00	0.00	2.04	4.75
4460	1.13	0.56	0.53	0.13	0.00	0.00	2.43	4.78								
4470	0.79	0.41	0.29	0.07	0.06	0.01	1.73	3.36								
4475	1.03	0.53	0.82	0.20	0.06	0.01	2.25	4.90								
4480	1.40	0.71	0.72	0.17	0.06	0.01	3.04	6.11								
4490	1.88	1.24	1.02	0.29	0.79	0.12	2.50	7.84	2.35	1.27	1.34	0.38	1.23	0.19	3.47	10.23
4500	0.38	0.23	0.00	0.00	0.00	0.00	0.49	1.10	0.48	0.24	0.00	0.00	0.00	0.00	0.68	1.40
4505	0.55	0.33	0.00	0.00	0.00	0.00	0.71	1.59	0.69	0.34	0.00	0.00	0.00	0.00	0.99	2.02
4510	0.08	0.05	0.00	0.00	0.00	0.00	0.11	0.24	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31
4515	0.44	0.27	0.00	0.00	0.00	0.00	0.57	1.28	0.56	0.28	0.00	0.00	0.00	0.00	0.80	1.64
4520	0.38	0.23	0.00	0.00	0.00	0.00	0.49	1.10	0.47	0.23	0.00	0.00	0.00	0.00	0.68	1.38
4525	0.45	0.27	0.00	0.00	0.00	0.00	0.58	1.30	0.56	0.28	0.00	0.00	0.00	0.00	0.80	1.64
4530	0.53	0.36	0.00	0.00	0.00	0.00	0.76	1.70	0.73	0.36	0.00	0.00	0.00	0.00	1.05	2.14
4535	0.07	0.04	0.00	0.00	0.00	0.00	0.09	0.20	0.08	0.04	0.00	0.00	0.00	0.00	0.12	0.24
4540	2.10	1.39	1.53	0.43	0.96	0.14	2.80	9.35	2.63	1.42	2.02	0.56	1.52	0.23	3.88	12.26
4550	0.47	0.29	0.00	0.00	0.00	0.00	0.61	1.37	0.59	0.29	0.00	0.00	0.00	0.00	0.85	1.73
4555	0.58	0.35	0.00	0.00	0.00	0.00	0.75	1.68	0.72	0.36	0.00	0.00	0.00	0.00	1.04	2.12
4560	0.08	0.05	0.00	0.00	0.00	0.00	0.11	0.24	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31
4565	0.44	0.27	0.00	0.00	0.00	0.00	0.57	1.28	0.56	0.28	0.00	0.00	0.00	0.00	0.80	1.64
4570	0.42	0.26	0.00	0.00	0.00	0.00	0.55	1.23	0.53	0.26	0.00	0.00	0.00	0.00	0.76	1.55
4575	0.52	0.32	0.00	0.00	0.00	0.00	0.67	1.51	0.65	0.32	0.00	0.00	0.00	0.00	0.94	1.91
4580	0.66	0.40	0.00	0.00	0.00	0.00	0.85	1.91	0.83	0.41	0.00	0.00	0.00	0.00	1.19	2.43
4585	0.07	0.04	0.00	0.00	0.00	0.00	0.09	0.20	0.08	0.04	0.00	0.00	0.00	0.00	0.12	0.24
4590	2.37	1.60	2.04	0.57	1.28	0.19	3.17	11.22	2.96	1.63	2.69	0.75	2.01	0.30	4.40	14.74
4600	0.51	0.31	0.00	0.00	0.00	0.00	0.66	1.48	0.63	0.31	0.00	0.00	0.00	0.00	0.91	1.85
4605	0.61	0.37	0.00	0.00	0.00	0.00	0.79	1.77	0.76	0.38	0.00	0.00	0.00	0.00	1.10	2.24
4610	0.08	0.05	0.00	0.00	0.00	0.00	0.11	0.24	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31
4615	0.44	0.27	0.00	0.00	0.00	0.00	0.57	1.28	0.56	0.28	0.00	0.00	0.00	0.00	0.80	1.64
4620	0.48	0.29	0.00	0.00	0.00	0.00	0.62	1.39	0.60	0.30	0.00	0.00	0.00	0.00	0.86	1.76
4625	0.62	0.38	0.00	0.00	0.00	0.00	0.81	1.81	0.78	0.39	0.00	0.00	0.00	0.00	1.12	2.29
4630	0.83	0.51	0.00	0.00	0.00	0.00	1.08	2.42	1.04	0.52	0.00	0.00	0.00	0.00	1.49	3.05
4635	0.07	0.04	0.00	0.00	0.00	0.00	0.09	0.20	0.08	0.04	0.00	0.00	0.00	0.00	0.12	0.24
4640	2.86	1.95	3.06	0.86	1.78	0.27	3.84	14.62	3.58	1.99	4.03	1.13	2.81	0.42	5.33	19.29
4650	0.54	0.33	0.00	0.00	0.00	0.00	0.70	1.57	0.67	0.33	0.00	0.00	0.00	0.00	0.97	1.97
4655	0.70	0.43	0.00	0.00	0.00	0.00	0.91	2.04	0.88	0.44	0.00	0.00	0.00	0.00	1.26	2.58
4660	0.08	0.05	0.00	0.00	0.00	0.00	0.11	0.24	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31
4665	0.44	0.27	0.00	0.00	0.00	0.00	0.57	1.28	0.56	0.28	0.00	0.00	0.00	0.00	0.80	1.64
4670	0.60	0.36	0.00	0.00	0.00	0.00	0.77	1.73	0.75	0.37	0.00	0.00	0.00	0.00	1.07	2.19
4675	0.77	0.47	0.00	0.00	0.00	0.00	1.00	2.24	0.96	0.48	0.00	0.00	0.00	0.00	1.38	2.82
4680	1.04	0.63	0.00	0.00	0.00	0.00	1.34	3.01	1.30	0.64	0.00	0.00	0.00	0.00	1.86	3.80
4685	0.07	0.04	0.00	0.00	0.00	0.00	0.09	0.20	0.08	0.04	0.00	0.00	0.00	0.00	0.12	0.24
4690	5.21	3.42	4.56	1.28	2.08	0.31	6.90	23.76	6.51	3.49	6.00	1.68	3.27	0.49	9.59	31.03
4700	0.78	0.47	0.00	0.00	0.00	0.00	1.01	2.26	0.98	0.48	0.00	0.00	0.00	0.00	1.40	2.86
4705	0.08	0.05	0.00	0.00	0.00	0.00	0.11	0.24	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31

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
4710	0.50	0.30	0.00	0.00	0.00	0.00	0.64	1.44	0.62	0.31	0.00	0.00	0.00	0.00	0.89	1.82
4715	0.68	0.41	0.00	0.00	0.00	0.00	0.88	1.97	0.85	0.42	0.00	0.00	0.00	0.00	1.22	2.49
4720	0.94	0.57	0.00	0.00	0.00	0.00	1.21	2.72	1.17	0.58	0.00	0.00	0.00	0.00	1.68	3.43
4725	1.23	0.74	0.00	0.00	0.00	0.00	1.58	3.55	1.53	0.76	0.00	0.00	0.00	0.00	2.20	4.49
4730	0.07	0.04	0.00	0.00	0.00	0.00	0.09	0.20	0.08	0.04	0.00	0.00	0.00	0.00	0.12	0.24
4735	8.89	6.00	4.56	1.28	5.12	0.77	11.89	38.51	11.11	6.12	6.00	1.68	8.12	1.22	16.52	50.77
4740	9.99	6.68	6.75	1.89	5.22	0.78	13.32	44.63	12.48	6.81	8.88	2.49	8.29	1.24	18.49	58.68
4745	10.03	6.90	6.75	1.89	7.23	1.08	13.50	47.38	12.53	7.04	8.88	2.49	11.54	1.73	18.75	62.96
4750	11.54	7.95	10.58	2.96	8.54	1.28	15.54	58.39	14.43	8.11	13.92	3.90	13.68	2.05	21.59	77.68
4755	11.22	7.42	6.75	1.89	5.12	0.77	14.90	48.07	14.03	7.57	8.88	2.49	8.12	1.22	20.70	63.01
4760	11.90	7.84	6.75	1.89	5.22	0.78	15.78	50.16	14.87	8.00	8.88	2.49	8.29	1.24	21.92	65.69
4765	13.33	8.91	10.58	2.96	7.23	1.08	17.77	61.86	16.66	9.09	13.92	3.90	11.54	1.73	24.68	81.52
4770	14.66	9.84	10.58	2.96	8.54	1.28	19.58	67.44	18.32	10.04	13.92	3.90	13.68	2.05	27.19	89.10
4780	0.75	0.46	0.00	0.00	0.00	0.00	0.97	2.18	0.94	0.47	0.00	0.00	0.00	0.00	1.35	2.76
4785	1.00	0.61	0.00	0.00	0.00	0.00	1.29	2.90	1.25	0.62	0.00	0.00	0.00	0.00	1.79	3.66
4790	1.35	0.82	0.00	0.00	0.00	0.00	1.74	3.91	1.68	0.83	0.00	0.00	0.00	0.00	2.42	4.93
4795	1.54	0.94	0.00	0.00	0.00	0.00	1.99	4.47	1.93	0.96	0.00	0.00	0.00	0.00	2.77	5.66
4805	3.00	1.50	1.54	0.58	0.00	0.00	4.63	11.25	3.75	1.54	2.02	0.77	0.00	0.00	6.28	14.36
4810	3.87	1.93	2.09	0.79	0.00	0.00	5.97	14.65	4.83	1.98	2.75	1.04	0.00	0.00	8.09	18.69
4815	5.20	2.60	3.07	1.17	0.00	0.00	8.03	20.07	6.50	2.66	4.04	1.54	0.00	0.00	10.87	25.61
4820	7.07	3.54	4.13	1.57	0.00	0.00	10.92	27.23	8.84	3.62	5.44	2.07	0.00	0.00	14.79	34.76
4825	8.36	4.18	5.51	2.09	0.00	0.00	12.92	33.06	10.45	4.29	7.26	2.76	0.00	0.00	17.49	42.25
4835	3.36	1.68	2.56	0.97	0.00	0.00	5.18	13.75	4.19	1.72	3.37	1.28	0.00	0.00	7.02	17.58
4840	5.98	2.99	3.15	1.20	0.00	0.00	9.23	22.55	7.47	3.06	4.15	1.58	0.00	0.00	12.50	29.76
4845	7.46	3.73	4.33	1.65	0.00	0.00	11.53	28.70	9.33	3.82	5.70	2.17	0.00	0.00	15.61	36.63
4850	9.83	4.91	5.90	2.24	0.00	0.00	15.18	38.06	12.28	5.04	7.78	2.95	0.00	0.00	20.55	48.60
4855	14.56	7.28	8.27	3.14	0.00	0.00	22.50	55.75	18.20	7.46	10.89	4.14	0.00	0.00	30.46	71.15
4860	19.95	9.98	10.82	4.11	0.00	0.00	30.82	75.68	24.94	10.23	14.26	5.42	0.00	0.00	41.74	96.59
4870	4.52	2.26	3.42	1.30	0.00	0.00	6.98	18.48	5.65	2.32	4.51	1.71	0.00	0.00	9.45	23.64
4875	5.78	2.89	4.80	1.82	0.00	0.00	8.93	24.22	7.23	2.96	6.32	2.40	0.00	0.00	12.09	31.00
4880	7.56	3.78	5.90	2.24	0.00	0.00	11.68	31.16	9.46	3.88	7.78	2.95	0.00	0.00	15.82	39.89
4885	10.87	5.44	8.78	3.34	0.00	0.00	16.79	45.22	13.58	5.57	11.56	4.39	0.00	0.00	22.73	57.83
4895	3.91	1.96	2.56	0.97	0.00	0.00	6.04	15.44	4.89	2.01	3.37	1.28	0.00	0.00	8.18	19.73
4900	4.68	2.34	3.07	1.17	0.00	0.00	7.24	18.50	5.86	2.40	4.04	1.54	0.00	0.00	9.80	23.64
4905	7.68	3.84	5.12	1.94	0.00	0.00	11.86	30.44	9.60	3.94	6.74	2.56	0.00	0.00	16.06	38.90
4910	10.87	5.44	7.48	2.84	0.00	0.00	16.79	43.42	13.59	5.57	9.85	3.74	0.00	0.00	22.74	55.49
4920	2.88	1.44	1.55	0.63	0.00	0.00	4.44	11.04	3.59	1.47	2.18	0.83	0.00	0.00	6.02	14.09
4925	3.76	1.88	2.56	0.97	0.00	0.00	5.80	14.97	4.70	1.93	3.37	1.28	0.00	0.00	7.86	19.14
4935	3.58	1.79	2.48	0.94	0.00	0.00	5.53	14.32	4.48	1.84	3.27	1.24	0.00	0.00	7.49	18.32
4940	6.29	3.15	4.33	1.65	0.00	0.00	9.72	25.14	7.86	3.22	5.70	2.17	0.00	0.00	13.16	32.11
4945	7.65	3.82	5.31	2.02	0.00	0.00	11.81	30.61	9.56	3.92	7.00	2.66	0.00	0.00	15.99	39.13
4950	11.20	5.60	7.87	2.99	0.00	0.00	17.30	44.96	14.00	5.74	10.37	3.94	0.00	0.00	23.43	57.48
4955	21.85	10.93	13.78	5.23	0.00	0.00	33.75	85.54	27.31	11.20	18.14	6.89	0.00	0.00	45.70	109.24
4965	0.53	0.30	1.17	0.38	0.09	0.01	0.50	2.98	0.66	0.31	1.53	0.49	0.17	0.03	0.67	3.86
4970	0.67	0.38	0.47	0.19	0.09	0.01	0.63	2.44	0.83	0.39	0.62	0.25	0.17	0.03	0.84	3.13
4975	0.78	0.44	1.68	0.54	0.08	0.01	0.73	4.26	0.97	0.45	2.20	0.70	0.15	0.02	0.98	5.47
4980	0.92	0.51	0.69	0.28	0.08	0.01	0.86	3.35	1.15	0.53	0.91	0.36	0.15	0.02	1.16	4.28
4985	0.96	0.54	2.20	0.70	0.10	0.01	0.91	5.42	1.20	0.55	2.86	0.92	0.18	0.03	1.22	6.96
4990	0.92	0.52	2.20	0.70	0.10	0.01	0.87	5.32	1.15	0.53	2.86	0.92	0.18	0.03	1.17	6.84
4995	1.08	0.61	1.02	0.41	0.10	0.01	1.02	4.25	1.35	0.62	1.34	0.54	0.18	0.03	1.36	5.42
5000	0.99	0.56	2.34	0.75	0.10	0.01	0.93	5.68	1.24	0.57	3.05	0.98	0.18	0.03	1.25	7.30
5005	1.15	0.64	2.49	0.80	0.10	0.01	1.08	6.27	1.44	0.66	3.25	1.04	0.18	0.03	1.45	8.05
5010	1.23	0.69	1.31	0.53	0.10	0.01	1.16	5.03	1.54	0.71	1.73	0.69	0.18	0.03	1.56	6.44
5015	1.49	0.86	1.53	0.61	0.26	0.04	1.41	6.20	1.87	0.87	2.02	0.81	0.50	0.07	1.89	8.03
5020	1.56	0.89	1.97	0.79	0.26	0.04	1.47	6.98	1.94	0.91	2.59	1.04	0.50	0.07	1.97	9.02

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		
5025	2.70	1.62	2.85	1.14	0.97	0.14	2.59	12.01	3.38	1.66	3.74	1.50	1.84	0.28	3.47	15.87	
5035	4.43	2.52	3.03	1.21	0.65	0.10	4.18	16.12	5.53	2.57	3.98	1.59	1.24	0.19	5.60	20.70	
5040	5.38	3.05	3.76	1.50	0.68	0.10	5.08	19.55	6.73	3.11	4.94	1.98	1.30	0.19	6.80	25.05	
5045	7.59	4.30	4.82	1.93	1.00	0.15	7.17	26.96	9.49	4.40	6.34	2.53	1.90	0.28	9.60	34.54	
5050	10.02	5.74	6.75	2.70	1.75	0.26	9.49	36.71	12.53	5.87	8.88	3.55	3.33	0.50	12.71	47.37	
5060	3.56	2.06	2.37	0.95	0.73	0.11	3.38	13.16	4.45	2.10	3.12	1.25	1.40	0.21	4.53	17.06	
5065	4.64	2.65	2.92	1.17	0.74	0.11	4.39	16.62	5.80	2.71	3.84	1.54	1.42	0.21	5.88	21.40	
5070	5.26	3.03	3.65	1.46	1.00	0.15	4.99	19.54	6.58	3.09	4.80	1.90	1.28	0.28	6.68	25.25	
5075	8.46	4.87	4.74	1.90	1.66	0.25	8.02	29.90	10.57	4.98	6.24	2.50	3.18	0.48	10.74	38.69	
5080	11.36	6.60	7.30	2.92	2.65	0.40	10.80	42.03	14.20	6.75	9.60	3.84	5.06	0.76	14.47	54.68	
5085	14.42	8.19	9.85	2.95	4.81	0.72	11.95	52.89	17.31	8.34	12.96	3.89	9.19	1.38	15.36	68.43	
5090	20.13	11.87	13.68	4.10	7.52	1.13	16.79	75.22	24.16	12.10	18.00	5.40	14.35	2.15	21.58	97.74	
5095	39.99	24.15	25.17	7.55	18.38	2.76	33.49	151.49	47.99	24.60	33.12	9.94	35.09	5.26	43.05	199.05	
5105	4.15	2.38	2.99	1.20	0.73	0.11	3.93	15.49	5.18	2.43	3.94	1.57	1.40	0.21	5.26	19.99	
5110	4.81	2.74	3.90	1.56	0.74	0.11	4.55	18.41	6.02	2.80	5.14	2.05	1.42	0.21	6.10	23.74	
5115	5.59	3.20	4.41	1.77	1.00	0.15	5.29	21.41	6.98	3.27	5.81	2.32	1.90	0.28	7.09	27.65	
5120	8.11	4.72	5.62	2.25	1.91	0.29	7.71	30.61	10.14	4.82	7.39	2.96	3.65	0.55	10.33	39.84	
5125	10.83	6.37	7.66	3.06	3.05	0.46	10.33	41.76	13.54	6.51	10.08	4.03	5.82	0.87	13.84	54.69	
5130	13.79	7.86	9.96	2.99	4.81	0.72	11.43	51.56	16.55	8.00	13.10	3.93	9.19	1.38	14.70	66.85	
5135	19.04	11.02	13.13	3.94	5.82	0.87	15.83	69.65	22.85	11.23	17.28	5.18	11.11	1.67	20.35	89.67	
5140	35.18	20.95	22.33	6.70	14.36	2.15	29.39	131.06	42.22	21.34	29.38	8.81	27.42	4.11	37.78	171.06	
5150	3.71	2.13	2.92	1.17	0.68	0.10	3.52	14.23	4.64	2.18	3.84	1.54	1.30	0.19	4.71	18.40	
5155	4.89	2.77	3.72	1.49	0.68	0.10	4.62	18.27	6.11	2.84	4.90	1.96	1.30	0.19	6.18	23.48	
5160	5.32	3.06	4.38	1.75	1.00	0.15	5.05	20.71	6.66	3.13	5.76	2.30	1.90	0.28	6.76	26.79	
5165	7.35	4.31	5.65	2.26	2.01	0.30	7.01	28.89	9.19	4.41	7.44	2.98	3.83	0.57	9.38	37.80	
5170	10.65	6.27	7.84	3.14	3.05	0.46	10.16	41.57	13.31	6.41	10.32	4.13	5.82	0.87	13.61	54.47	
5175	15.32	9.05	12.22	3.67	5.82	0.87	12.78	59.73	18.38	9.22	16.08	4.82	11.11	1.67	16.43	77.71	
5185	3.21	1.97	2.92	1.17	1.50	0.22	3.10	14.09	4.01	2.02	3.84	1.54	2.86	0.43	4.15	18.85	
5190	4.15	2.41	3.65	1.46	1.00	0.15	3.95	16.77	5.19	2.47	4.80	1.92	1.90	0.28	5.28	21.84	
5195	4.93	2.85	4.38	1.75	1.05	0.16	4.68	19.80	6.16	2.91	5.76	2.30	2.01	0.30	6.27	25.71	
5200	7.38	4.28	5.65	2.26	1.66	0.25	7.01	28.49	9.22	4.38	7.44	2.98	3.18	0.48	9.39	37.07	
5205	10.08	5.94	6.89	2.76	2.90	0.44	9.62	38.63	12.60	6.07	9.07	3.63	5.55	0.83	12.88	50.63	
5210	13.83	7.88	7.62	2.29	4.81	0.72	11.46	48.61	16.59	8.02	10.03	3.01	9.19	1.38	14.74	62.96	
5215	19.61	11.32	15.14	4.54	5.54	5.82	0.87	16.29	73.59	23.53	11.53	19.92	5.98	11.11	1.67	20.95	94.69
5220	40.46	23.27	21.52	6.46	11.41	1.71	33.60	138.43	48.55	23.70	28.32	8.50	21.78	3.27	43.20	177.32	
5230	7.42	4.30	5.84	2.33	1.66	0.25	7.05	28.85	9.28	4.40	7.68	3.07	3.18	0.48	9.45	37.54	
5235	10.69	5.97	8.43	2.53	2.65	0.40	8.83	39.50	12.83	6.08	11.09	3.33	5.06	0.76	11.35	50.50	
5240	13.79	7.86	11.20	3.36	4.81	0.72	11.43	53.17	16.55	8.00	14.74	4.42	9.19	1.38	14.70	68.98	
5245	19.59	11.32	14.15	4.25	5.82	0.87	16.28	72.28	23.51	11.53	18.62	5.59	11.11	1.67	20.93	92.96	
5250	26.67	15.77	15.83	4.75	10.20	1.53	22.25	97.00	32.00	16.06	20.83	6.25	19.48	2.92	28.60	126.14	
5260	4.62	2.64	3.10	1.24	0.74	0.11	4.37	16.82	5.78	2.70	4.08	1.63	1.42	0.21	5.86	21.68	
5265	5.28	3.03	8.57	2.74	1.00	0.15	5.00	25.77	6.60	3.10	11.17	3.57	1.90	0.28	6.70	33.32	
5270	7.51	4.35	5.25	2.10	1.66	0.25	7.14	28.26	9.39	4.45	6.91	2.76	3.18	0.48	9.56	36.73	
5275	9.11	5.35	6.64	2.66	2.53	0.38	8.69	35.36	11.39	5.48	8.74	3.49	4.82	0.72	11.64	46.28	
5280	9.88	5.79	7.84	3.14	2.65	0.40	9.41	39.11	12.35	5.92	10.32	4.13	5.06	0.76	12.61	51.15	
5285	13.80	7.86	10.40	3.12	4.81	0.72	11.44	52.15	16.56	8.01	13.68	4.10	9.19	1.38	14.71	67.63	
5290	18.10	10.53	14.59	4.38	5.82	0.87	15.06	69.35	21.72	10.72	19.20	5.76	11.11	1.67	19.36	89.54	
5300	3.27	1.83	2.01	0.56	0.21	0.03	3.52	11.43	4.09	1.87	2.64	0.74	0.29	0.04	4.67	14.34	
5305	4.66	2.62	2.92	0.82	0.37	0.06	5.02	16.47	5.83	2.68	3.84	1.08	0.52	0.08	6.67	20.70	
5315	3.01	1.75	2.26	0.63	0.58	0.09	3.27	11.59	3.76	1.79	2.98	0.83	0.82	0.12	4.35	14.65	
5320	4.72	2.69	2.92	0.82	0.55	0.08	5.10	16.88	5.90	2.75	3.84	1.08	0.76	0.11	6.78	21.22	
5330	3.86	1.93	1.54	0.58	0.00	0.00	5.96	13.87	4.82	1.98	2.02	0.77	0.00	0.00	8.07	17.66	
5335	4.72	2.36	2.09	0.79	0.00	0.00	7.29	17.25	5.90	2.42	2.75	1.04	0.00	0.00	9.87	21.98	
5345	4.30	2.15	2.56	0.97	0.00	0.00	6.65	16.63	5.38	2.21	3.37	1.28	0.00	0.00	9.00	21.24	
5365	0.55	0.21	0.00	0.48	0.00	0.00	0.71	1.95									

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	TOTAL RATE
5370	1.14	0.44	0.00	1.00	0.00	0.00	1.47	4.05							
5375	2.21	0.85	0.00	1.89	0.00	0.00	2.85	7.80							
5380	0.57	0.22	0.00	0.24	0.00	0.00	0.74	1.77							
5385	0.90	0.35	0.00	0.34	0.00	0.00	1.16	2.75							
5395	1.57	0.60	0.00	0.24	0.00	0.00	2.03	4.44							
5400	2.36	0.91	0.00	0.32	0.00	0.00	3.06	6.65							
5410	1.85	0.71	0.00	0.26	0.00	0.00	2.39	5.21							
5415	2.50	0.96	0.00	0.47	0.00	0.00	3.24	7.17							
5420	2.94	1.13	0.00	0.75	0.00	0.00	3.80	8.62							
5430	4.06	1.56	0.00	0.06	0.00	0.00	5.25	10.93							
5435	4.22	1.52	0.00	0.06	0.00	0.00	5.45	11.35							
5440	7.27	2.79	0.00	0.06	0.00	0.00	9.39	19.51							
5445	7.72	2.97	0.00	0.06	0.00	0.00	9.98	20.73							
5455	4.04	1.55	0.00	0.41	0.00	0.00	5.22	11.22							
5460	4.63	1.78	0.00	0.47	0.00	0.00	5.98	12.86							
5465	5.33	2.05	0.00	0.57	0.00	0.00	6.89	14.84							
5470	5.84	2.24	0.00	0.70	0.00	0.00	7.54	16.32							
5475	6.55	2.52	0.00	0.61	0.00	0.00	8.47	18.15							
5480	7.82	3.01	0.00	0.90	0.00	0.00	10.11	21.84							
5485	9.27	3.56	0.00	0.90	0.00	0.00	11.98	25.71							
5490	10.81	4.15	0.00	1.09	0.00	0.00	13.97	30.02							
5495	18.13	6.97	0.00	1.20	0.00	0.00	23.43	49.73							
5505	2.97	1.14	0.00	0.47	0.00	0.00	3.84	8.42							
5510	3.53	1.36	0.00	0.62	0.00	0.00	4.56	10.07							
5515	4.80	1.84	0.00	0.62	0.00	0.00	6.20	13.46							
5520	1.23	0.47	0.00	0.24	0.00	0.00	1.59	3.53							
5525	1.55	0.59	0.00	0.32	0.00	0.00	2.00	4.46							
5530	1.99	0.77	0.00	0.41	0.00	0.00	2.58	5.75							
5540	5.14	1.98	0.00	0.64	0.00	0.00	6.65	14.41							
5545	5.89	2.26	0.00	0.75	0.00	0.00	7.61	16.51							
5550	6.32	2.43	0.00	0.90	0.00	0.00	8.17	17.82							
5555	7.61	2.93	0.00	1.05	0.00	0.00	9.84	21.43							
5560	9.59	3.69	0.00	1.09	0.00	0.00	12.40	26.77							
5565	13.83	5.32	0.00	1.30	0.00	0.00	17.88	38.33							
5575	7.18	2.76	2.15	0.60	0.00	0.00	9.28	21.97							
5580	14.03	5.39	5.69	1.59	0.00	0.00	18.14	44.84							
5585	19.13	7.35	10.76	3.01	0.00	0.00	24.73	64.98							
5595	5.73	4.70	2.12	0.68	0.00	0.00	6.96	20.19	6.87	4.76	2.72	0.87	0.00	0.00	9.47
5600	9.17	7.52	4.03	1.29	0.00	0.00	11.14	33.15	11.00	7.61	5.18	1.66	0.00	0.00	15.15
5605	10.49	8.61	4.03	1.29	0.00	0.00	12.75	37.17	12.59	8.71	5.18	1.66	0.00	0.00	17.33
5610	13.20	10.83	6.05	1.94	0.00	0.00	16.04	48.06	15.84	10.96	7.78	2.49	0.00	0.00	21.81
5615	18.42	15.11	8.27	2.64	0.00	0.00	22.38	66.82	22.11	15.30	10.63	3.40	0.00	0.00	30.44
5625	1.11	0.50	0.00	0.15	0.00	0.00	1.33	3.09							
5630	0.41	0.18	0.00	0.10	0.00	0.00	0.49	1.18							
5635	1.63	0.73	0.00	0.30	0.00	0.00	1.96	4.62							
5640	0.71	0.32	0.00	0.05	0.00	0.00	0.85	1.93							
5650	0.51	0.25	1.01	0.32	0.00	0.00	0.51	2.60							
5655	0.65	0.32	1.52	0.48	0.00	0.00	0.65	3.62							
5665	0.03	0.02	0.20	0.06	0.00	0.00	0.03	0.34							
5670	0.04	0.02	0.30	0.10	0.00	0.00	0.04	0.50							
5675	0.08	0.04	0.81	0.26	0.00	0.00	0.08	1.27							
5685	0.68	0.34	4.34	1.39	0.00	0.00	0.68	7.43							
5690	0.39	0.19	1.53	0.58	0.00	0.00	0.39	3.08							
5695	0.90	0.45	7.98	2.55	0.00	0.00	0.90	12.78							
5700	1.30	0.64	3.05	1.16	0.00	0.00	1.29	7.44							

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
5705	1.67	0.83	3.56	1.35	0.00	0.00	1.66	9.07							
5710	1.77	0.88	3.46	1.31	0.00	0.00	1.76	9.18							
5720	0.07	0.03	0.51	0.16	0.00	0.00	0.07	0.84							
5725	0.10	0.05	0.81	0.26	0.00	0.00	0.10	1.32							
5730	0.19	0.09	1.62	0.52	0.00	0.00	0.19	2.61							
5740	0.08	0.04	0.30	0.10	0.00	0.00	0.08	0.60							
5745	0.10	0.05	0.30	0.10	0.00	0.00	0.10	0.65							
5755	0.12	0.06	0.14	0.06	0.00	0.00	0.06	0.44							
5760	0.17	0.08	0.36	0.16	0.00	0.00	0.08	0.85							
5765	0.61	0.30	1.80	0.81	0.00	0.00	0.30	3.82							
5770	0.80	0.40	4.32	1.94	0.00	0.00	0.40	7.86							
5780	0.10	0.05	0.14	0.06	0.00	0.00	0.05	0.40							
5785	0.13	0.06	0.29	0.13	0.00	0.00	0.06	0.67							
5795	3.99	1.64	0.00	0.08	0.00	0.00	4.11	9.82	5.32	1.70	0.00	0.08	0.00	0.00	6.17
5800	0.31	0.13	0.00	0.00	0.00	0.00	0.32	0.76	0.42	0.13	0.00	0.00	0.00	0.00	1.03
5805	2.32	0.95	0.00	0.08	0.00	0.00	2.39	5.74	3.09	0.99	0.00	0.08	0.00	0.00	3.58
5810	0.23	0.09	0.00	0.00	0.00	0.00	0.23	0.55	0.30	0.10	0.00	0.00	0.00	0.00	0.75
5815	1.92	0.79	0.00	0.08	0.00	0.00	1.98	4.77	2.57	0.82	0.00	0.08	0.00	0.00	2.97
5820	0.14	0.06	0.00	0.00	0.00	0.00	0.14	0.34	0.18	0.06	0.00	0.00	0.00	0.00	0.45
5825	0.88	0.36	0.00	0.08	0.00	0.00	0.90	2.22	1.17	0.37	0.00	0.08	0.00	0.00	1.36
5830	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.10
5835	1.99	0.82	0.00	0.08	0.00	0.00	2.05	4.94	2.66	0.85	0.00	0.08	0.00	0.00	3.08
5840	0.18	0.07	0.00	0.00	0.00	0.00	0.19	0.44	0.24	0.08	0.00	0.00	0.00	0.00	0.60
5845	1.46	0.60	0.00	0.08	0.00	0.00	1.50	3.64	1.94	0.62	0.00	0.08	0.00	0.00	2.25
5850	0.13	0.05	0.00	0.00	0.00	0.00	0.13	0.31	0.17	0.06	0.00	0.00	0.00	0.00	0.43
5855	0.82	0.34	0.00	0.08	0.00	0.00	0.84	2.08	1.09	0.35	0.00	0.08	0.00	0.00	1.27
5860	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.09
5865	2.25	0.92	0.00	0.08	0.00	0.00	2.32	5.57	3.00	0.96	0.00	0.08	0.00	0.00	3.48
5870	0.18	0.07	0.00	0.00	0.00	0.00	0.19	0.44	0.24	0.08	0.00	0.00	0.00	0.00	0.60
5875	2.19	0.90	0.00	0.08	0.00	0.00	2.25	5.42	2.92	0.93	0.00	0.08	0.00	0.00	3.38
5880	0.42	0.17	0.00	0.00	0.00	0.00	0.43	1.02	0.56	0.18	0.00	0.00	0.00	0.00	0.65
5885	1.99	0.82	0.00	0.08	0.00	0.00	2.05	4.94	2.66	0.85	0.00	0.08	0.00	0.00	3.08
5890	0.18	0.07	0.00	0.00	0.00	0.00	0.19	0.44	0.24	0.08	0.00	0.00	0.00	0.00	0.28
5895	0.58	0.34	0.00	0.08	0.00	0.00	0.70	1.80	0.85	0.35	0.00	0.08	0.00	0.00	0.99
5905	4.60	1.99	0.00	0.08	0.00	0.00	4.74	11.31	6.14	1.96	0.00	0.08	0.00	0.00	7.11
5910	0.34	0.14	0.00	0.00	0.00	0.00	0.35	0.83	0.45	0.14	0.00	0.00	0.00	0.00	1.11
5915	4.90	2.01	0.00	0.08	0.00	0.00	5.04	12.03	6.53	2.09	0.00	0.08	0.00	0.00	7.56
5920	3.90	1.60	0.00	0.08	0.00	0.00	4.01	9.59	5.20	1.66	0.00	0.08	0.00	0.00	6.02
5925	0.30	0.12	0.00	0.00	0.00	0.00	0.31	0.73	0.40	0.13	0.00	0.00	0.00	0.00	0.47
5930	3.63	1.49	0.00	0.08	0.00	0.00	3.74	8.94	4.84	1.55	0.00	0.08	0.00	0.00	5.61
5935	2.63	1.08	0.00	0.08	0.00	0.00	2.71	6.50	3.50	1.12	0.00	0.08	0.00	0.00	8.76
5940	0.17	0.07	0.00	0.00	0.00	0.00	0.17	0.41	0.23	0.07	0.00	0.00	0.00	0.00	0.56
5945	2.56	1.05	0.00	0.08	0.00	0.00	2.63	6.32	3.41	1.09	0.00	0.08	0.00	0.00	8.53
5950	1.47	0.60	0.00	0.08	0.00	0.00	1.51	3.66	1.96	0.63	0.00	0.08	0.00	0.00	2.27
5955	0.09	0.04	0.00	0.00	0.00	0.00	0.09	0.22	0.12	0.04	0.00	0.00	0.00	0.00	0.29
5960	0.92	0.38	0.00	0.08	0.00	0.00	0.95	2.33	1.23	0.39	0.00	0.08	0.00	0.00	3.12
5965	0.04	0.02	0.00	0.00	0.00	0.00	0.05	0.11	0.06	0.02	0.00	0.00	0.00	0.00	0.15
5970	0.57	0.23	0.00	0.08	0.00	0.00	0.58	1.46	0.76	0.24	0.00	0.08	0.00	0.00	1.96
5975	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05	0.03	0.01	0.00	0.00	0.00	0.00	0.08
5980	0.25	0.10	0.00	0.08	0.00	0.00	0.26	0.69	0.34	0.11	0.00	0.08	0.00	0.00	0.92
5985	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.05
5995	5.45	2.23	0.00	0.05	0.00	0.00	5.51	13.34	7.26	2.32	0.00	0.05	0.00	0.00	8.42
6000	4.42	1.81	0.00	0.05	0.00	0.00	4.56	10.84	5.90	1.89	0.00	0.05	0.00	0.00	6.83
6005	2.87	1.18	0.00	0.05	0.00	0.00	2.96	7.06	3.83	1.22	0.00	0.05	0.00	0.00	4.43
6010	2.71	1.11	0.00	0.05	0.00	0.00	2.79	6.66	3.61	1.16	0.00	0.05	0.00	0.00	9.01

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

JNIT 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
6020	2.85	1.54	2.92	0.72	0.25	0.04	3.36	11.75								
6023	2.93	1.58	3.10	0.74	0.25	0.04	3.45	12.09								
6030	3.59	1.34	3.10	0.74	0.32	0.05	4.23	13.97								
6035	5.73	3.14	4.56	1.09	0.66	0.10	6.78	22.06								
6043	2.19	1.20	2.77	0.67	0.25	0.04	2.60	9.72								
6050	2.37	1.29	2.77	0.67	0.25	0.04	2.80	10.19								
6053	2.43	1.32	2.85	0.68	0.25	0.04	2.87	10.44								
6060	2.31	1.27	7.84	1.88	0.32	0.05	2.74	16.41								
6065	2.59	1.42	2.77	0.67	0.32	0.05	3.06	10.88								
6070	2.40	1.33	7.84	1.88	0.37	0.06	2.85	16.73								
6075	2.67	1.48	2.77	0.67	0.37	0.06	3.17	11.19								
6080	5.87	3.23	4.27	1.02	0.77	0.12	6.95	22.23								
6090	2.45	1.33	2.48	0.60	0.25	0.04	2.90	10.05								
6095	3.08	1.66	2.48	0.60	0.22	0.03	3.63	11.70								
6100	6.18	3.37	4.74	1.14	0.58	0.10	7.31	23.52								
6105	7.07	4.12	4.74	1.14	1.98	0.30	8.50	27.85								
6115	2.94	2.25	0.00	0.05	1.98	0.28	3.82	11.22								
6120	4.26	2.52	0.00	0.05	1.47	0.22	5.19	13.81								
6130	3.57	2.77	0.00	0.10	2.37	0.36	4.65	13.82								
6135	3.47	2.49	0.00	0.10	1.79	0.27	4.42	12.54								
6140	5.69	3.88	0.00	0.10	2.37	0.36	7.14	19.54								
6150	0.50	0.34	0.00	0.05	0.30	0.04	0.62	1.85								
6160	0.91	0.47	0.00	0.12	0.00	0.00	1.06	2.56								
6165	1.15	0.60	0.00	0.12	0.00	0.00	1.35	3.22								
6170	1.19	0.62	0.00	0.12	0.00	0.00	1.39	3.32								
6175	1.78	0.93	0.00	0.12	0.00	0.00	2.08	4.91								
6180	2.72	1.42	0.00	0.12	0.00	0.00	3.19	7.45								
6185	4.11	2.15	0.00	0.12	0.00	0.00	4.81	11.19								
6190	2.69	1.40	0.00	0.13	0.00	0.00	3.15	7.37								
6195	3.14	1.54	0.00	0.12	0.00	0.00	3.67	8.57								
6200	4.34	2.53	0.00	0.12	0.00	0.00	5.57	13.16								
6210	0.40	0.21	0.00	0.13	0.00	0.00	0.47	1.21								
6215	0.81	0.42	0.00	0.13	0.00	0.00	0.95	2.31								
6225	11.31	5.90	7.66	1.84	0.00	0.00	13.23	39.94								
6230	17.11	9.93	11.31	2.71	0.00	0.00	20.01	60.07								
6235	13.00	9.40	11.31	2.71	0.00	0.00	21.96	62.48								
6245	19.79	9.30	12.04	2.89	0.00	0.00	21.98	65.50								
6255	1.31	0.95	1.42	0.34	0.00	0.00	2.13	6.66								
6260	2.21	1.15	1.42	0.34	0.00	0.00	2.58	7.70								
6265	3.04	1.59	3.10	0.74	0.00	0.00	3.66	12.03								
6270	3.21	1.71	3.10	0.74	0.00	0.00	3.33	12.65								
6275	3.54	1.84	3.10	0.74	0.00	0.00	4.14	13.36								
6280	3.87	2.02	3.10	0.74	0.00	0.00	4.53	14.26								
6290	3.92	2.05	7.84	1.88	0.00	0.00	4.59	20.28								
6295	4.20	2.19	3.10	0.74	0.00	0.00	4.91	15.14								
6300	4.16	2.17	7.84	1.88	0.00	0.00	4.37	20.92								
6305	4.43	2.31	3.10	0.74	0.00	0.00	5.19	15.77								
6310	1.85	0.95	3.95	0.95	0.00	0.00	2.16	9.88								
6315	2.62	1.37	7.84	1.88	0.00	0.00	3.06	16.77								
6320	2.89	1.51	2.77	0.57	0.00	0.00	3.39	11.23								
6325	3.18	1.66	7.84	1.88	0.00	0.00	3.71	18.27								
6330	3.45	1.80	2.77	0.57	0.00	0.00	4.04	12.73								
6335	3.46	1.81	7.84	1.88	0.00	0.00	4.05	19.04								
6340	3.74	1.95	2.77	0.57	0.00	0.00	4.37	13.50								
6350	1.19	0.51	1.82	0.44	0.00	0.00	1.74	5.70								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	TOTAL RATE
6355	1.45	0.62	1.82	0.44	0.00	0.00	2.13	6.46								
6360	2.97	1.27	2.19	0.53	0.00	0.00	4.34	11.30								
6365	3.22	1.38	2.19	0.53	0.00	0.00	4.71	12.03								
6370	4.59	1.96	4.83	1.16	0.00	0.00	6.71	19.25								
6375	4.81	2.05	4.83	1.16	0.00	0.00	7.03	19.88								
6385	3.21	1.37	2.49	0.60	0.00	0.00	4.69	12.36								
6390	3.49	1.49	2.49	0.60	0.00	0.00	5.10	13.17								
6395	5.62	2.40	3.92	0.94	0.00	0.00	8.21	21.09								
6400	6.13	2.52	3.92	0.94	0.00	0.00	8.96	22.57								
6410	2.89	1.24	1.83	0.44	0.00	0.00	4.23	10.63								
6415	3.45	1.47	1.98	0.48	0.00	0.00	5.04	12.42								
6425	1.72	0.73	1.53	0.37	0.00	0.00	2.51	6.86								
6430	1.56	0.67	1.53	0.37	0.00	0.00	2.28	6.41								
6440	6.95	2.97	3.82	0.92	0.00	0.00	10.16	24.82								
6445	5.29	2.26	2.54	0.61	0.00	0.00	7.74	18.44								
6455	2.14	0.92	1.83	0.44	0.00	0.00	3.14	8.47								
6460	4.27	1.82	3.05	0.73	0.00	0.00	6.24	16.11								
6465	5.78	2.47	4.58	1.10	0.00	0.00	8.45	22.38								
6475	5.18	2.25	3.71	0.89	0.15	0.02	7.60	19.80								
6480	5.58	2.51	3.71	0.89	0.62	0.09	8.26	21.66								
6485	6.53	2.82	3.71	0.89	0.13	0.02	9.58	23.68								
6490	7.70	3.37	6.36	1.53	0.40	0.06	11.33	30.75								
6495	6.07	2.69	6.36	1.53	0.46	0.07	8.96	26.14								
6500	6.44	2.84	6.36	1.53	0.46	0.07	9.49	27.19								
6505	7.41	3.26	6.36	1.53	0.46	0.07	10.91	30.00								
6510	6.79	2.99	6.36	1.53	0.46	0.07	10.00	28.20								
6515	8.50	3.72	6.36	1.53	0.46	0.07	12.50	33.14								
6525	7.43	3.17	6.36	1.53	0.00	0.00	10.86	29.35								
6530	6.39	2.81	4.32	1.04	0.40	0.06	9.41	24.43								
6535	6.74	2.97	6.11	1.47	0.46	0.07	9.92	27.74								
6540	7.58	3.33	6.11	1.47	0.46	0.07	11.16	30.18								
6550	7.62	3.35	5.85	1.40	0.46	0.07	11.22	29.97								
6555	11.98	5.27	10.68	2.56	0.75	0.11	17.65	49.00								
6565	5.09	2.19	3.56	0.85	0.08	0.01	7.45	19.23								
6570	5.05	2.19	3.56	0.85	0.16	0.02	7.41	19.24								
6575	6.65	2.87	4.07	0.98	0.13	0.02	9.75	24.47								
6580	5.78	2.50	4.07	0.98	0.16	0.02	8.48	21.99								
6585	5.21	2.35	3.56	0.85	0.62	0.09	7.72	20.40								
6590	6.40	2.83	4.48	1.07	0.46	0.07	9.43	24.74								
6595	7.43	3.26	4.48	1.07	0.40	0.06	10.93	27.63								
6600	6.98	3.07	4.48	1.07	0.46	0.07	10.28	26.41								
6605	8.26	3.61	6.05	1.45	0.42	0.06	12.15	32.00								
6610	6.96	3.07	6.36	1.53	0.46	0.07	10.25	28.70								
6615	9.22	4.01	6.05	1.45	0.37	0.06	13.54	34.70								
6620	7.99	3.49	6.05	1.45	0.37	0.06	11.74	31.15								
6625	7.47	3.33	6.36	1.53	0.70	0.11	11.04	30.54								
6635	4.88	2.21	3.46	0.83	0.62	0.09	7.24	19.33								
6640	4.46	1.94	3.46	0.83	0.15	0.02	6.54	17.40								
6645	5.43	2.35	4.07	0.98	0.15	0.02	7.97	20.97								
6650	5.75	2.58	3.82	0.92	0.62	0.09	8.52	22.30								
6655	5.98	2.59	4.07	0.98	0.15	0.02	8.78	22.57								
6660	7.69	3.38	5.60	1.34	0.46	0.07	11.32	29.86								
6665	6.36	2.81	5.44	1.31	0.46	0.07	9.38	25.83								
6670	6.89	3.04	5.44	1.31	0.46	0.07	10.15	27.36								
6675	8.85	3.87	5.60	1.34	0.46	0.07	13.02	33.21								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

INTL 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
6685	0.93	0.40	0.81	0.20	0.00	0.00	1.36	3.70								
6690	2.71	1.16	1.73	0.42	0.00	0.00	3.97	9.99								
6695	6.08	2.60	3.61	0.87	0.00	0.00	8.90	22.06								
6700	7.80	3.33	6.36	1.53	0.00	0.00	11.40	30.42								
6705	9.87	4.22	7.89	1.89	0.00	0.00	14.43	38.30								
6710	11.35	4.85	9.21	2.21	0.00	0.00	16.59	44.21								
6715	12.74	5.45	11.45	2.75	0.00	0.00	18.63	51.02								
6725	0.94	0.40	0.81	0.20	0.00	0.00	1.37	3.72								
6730	2.28	0.98	1.78	0.43	0.00	0.00	3.34	8.81								
6735	5.05	2.54	3.56	0.85	0.00	0.00	8.70	21.60								
6740	7.89	3.37	5.85	1.40	0.00	0.00	11.54	30.05								
6745	9.47	4.05	6.05	1.45	0.00	0.00	13.85	34.87								
6755	0.94	0.40	0.71	0.17	0.00	0.00	1.37	3.59								
6760	4.76	2.03	2.65	0.63	0.00	0.00	6.96	17.03								
6765	7.19	3.07	4.07	0.98	0.00	0.00	10.52	25.83								
6770	9.75	4.17	7.94	1.90	0.00	0.00	14.25	38.01								
6775	14.50	6.20	13.33	3.20	0.00	0.00	21.21	59.44								
6785	8.75	4.69	5.62	1.91	2.72	0.41	8.29	32.39	10.94	4.81	7.34	2.50	4.52	0.68	11.06	41.85
6790	18.44	9.15	11.09	2.99	7.14	1.07	13.10	62.98	23.04	9.40	14.57	3.93	11.86	1.78	17.74	82.32
6795	19.29	10.51	12.36	2.97	7.14	1.07	15.90	69.24	24.12	10.77	16.16	3.88	11.86	1.78	21.41	89.98
6800	22.02	10.68	15.98	4.00	8.61	1.29	16.89	79.47	27.53	10.98	20.74	5.18	14.95	2.24	22.73	104.35
6805	23.49	11.34	15.98	4.00	8.61	1.29	18.00	82.71	29.36	11.65	20.74	5.18	14.95	2.24	24.23	108.35
6810	28.66	14.05	15.12	4.08	9.65	1.45	20.32	93.33	35.82	14.44	19.87	5.37	16.04	2.41	27.51	121.46
6815	30.79	16.53	16.85	4.04	9.65	1.45	25.29	104.60	38.48	16.94	22.03	5.29	16.04	2.41	34.05	135.24
6820	35.76	17.24	24.86	5.22	12.81	1.92	27.39	126.20	44.70	17.71	32.26	8.06	22.24	3.34	36.87	165.18
6825	37.42	17.98	24.86	6.22	12.81	1.92	28.65	129.86	46.78	18.48	32.26	8.06	22.24	3.34	38.56	169.72
6830	40.74	19.80	24.86	6.22	16.36	2.45	31.25	141.68	50.93	20.35	32.26	8.06	28.42	4.26	42.06	186.34
6835	36.61	18.04	18.48	4.99	13.19	1.96	25.98	119.16	45.76	18.54	24.29	6.56	21.75	3.26	35.18	155.34
6840	45.93	22.22	33.74	8.44	17.37	2.61	35.20	165.51	57.41	22.84	43.78	10.94	30.17	4.53	47.38	217.05
6855	12.19	6.60	8.57	2.06	4.18	0.63	10.01	34.27	15.24	6.76	11.21	2.69	6.95	1.04	13.51	57.40
6860	17.49	8.59	10.92	2.95	6.02	0.90	12.40	59.27	21.86	8.83	14.35	3.88	10.01	1.50	16.80	77.23
6865	17.78	10.00	12.17	2.92	8.95	1.34	14.76	67.92	22.23	10.25	15.91	3.82	14.96	2.23	19.87	89.17
6870	20.98	10.21	17.62	4.40	8.61	1.29	16.09	79.20	26.22	10.49	22.86	5.71	14.95	2.24	21.66	104.13
6875	25.51	12.20	17.62	4.40	8.06	1.21	19.51	88.51	31.89	12.53	22.86	5.71	14.00	2.10	26.27	115.36
6885	8.92	4.73	4.93	1.59	2.37	0.35	8.44	31.08	11.16	4.85	6.12	2.08	3.93	0.59	11.25	39.98
6890	18.50	9.10	10.95	2.96	6.49	0.97	13.12	62.09	23.12	9.35	14.40	3.89	10.78	1.62	17.77	80.93
6895	22.03	10.68	18.15	4.54	8.61	1.29	16.89	92.19	27.54	10.98	23.55	5.89	14.95	2.24	22.73	107.38
6900	19.48	10.51	12.21	2.93	6.49	0.97	15.02	68.61	24.35	10.77	15.96	3.83	10.78	1.62	21.57	88.88
6910	9.48	5.01	6.55	2.23	2.37	0.35	9.96	34.95	1.85	5.13	8.57	2.91	3.93	0.59	11.94	44.92
6915	12.57	6.78	9.36	2.25	4.18	0.63	10.31	45.11	15.71	6.95	12.24	2.34	6.95	1.04	13.91	59.74
6923	18.64	10.10	11.61	2.79	6.49	0.97	15.35	63.95	23.30	10.35	15.18	3.64	10.78	1.62	20.66	85.53
6930	30.63	15.12	15.96	4.31	11.12	1.67	21.74	100.55	38.29	15.53	20.98	5.66	18.48	2.77	29.44	131.15
6935	20.04	9.69	10.23	2.56	7.51	1.13	15.36	66.52	25.05	9.96	13.27	3.32	13.04	1.96	20.67	87.27
6940	26.59	12.80	13.47	4.62	9.27	1.39	20.36	93.50	33.24	13.15	23.96	5.99	16.11	2.42	27.41	122.28
6945	35.18	16.94	21.99	5.50	12.44	1.87	26.94	120.86	43.98	17.41	28.52	7.13	21.61	3.24	36.27	158.16
6950	40.09	19.36	25.47	6.37	14.76	2.21	30.71	136.97	50.11	19.39	33.04	8.26	25.63	3.84	41.34	182.11
6965	4.60	2.71	0.00	0.13	1.49	0.22	3.82	12.97	5.52	2.77	0.00	0.13	1.94	0.29	4.91	15.56
6970	5.84	3.60	0.00	0.13	2.67	0.40	4.99	17.53	7.01	3.67	0.00	0.13	3.49	0.52	6.29	21.11
6980	2.26	1.39	0.00	0.08	0.97	0.15	1.89	6.74	2.71	1.41	0.00	0.08	1.27	0.19	2.43	8.09
6990	7.09	3.59	5.69	1.37	0.77	0.12	6.63	25.26	8.86	3.68	7.44	1.79	1.32	0.20	9.40	32.69
6995	11.10	5.67	11.38	2.73	1.57	0.24	10.41	43.10	13.98	5.81	14.88	3.57	2.68	0.40	14.75	55.97
7005	10.24	5.13	11.91	2.86	0.43	0.07	9.56	40.20	12.80	5.26	15.57	3.74	0.71	0.11	13.54	51.73
7015	2.74	1.52	2.56	0.82	0.50	0.00	4.17	11.31	3.43	1.55	3.37	1.08	0.00	0.00	5.68	15.11
7020	0.59	0.30	0.00	0.08	0.00	0.00	0.51	1.58	0.74	0.30	0.00	0.08	0.00	0.00	0.86	1.98
7025	3.75	2.08	3.15	1.01	0.00	0.00	5.69	15.68	4.68	2.12	4.15	1.33	0.00	0.00	7.76	20.04

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	
7030	0.71	0.36	0.00	0.08	0.00	0.00	0.74	1.89	0.89	0.37	0.00	0.08	0.00	0.00	1.03	2.37
7035	0.56	0.28	0.00	0.08	0.00	0.00	0.57	1.49	0.70	0.29	0.00	0.08	0.00	0.00	0.81	1.88
7040	5.64	3.13	4.13	1.32	0.00	0.00	8.57	22.79	7.05	3.20	5.44	1.74	0.00	0.00	11.68	29.11
7045	0.95	0.48	0.00	0.08	0.00	0.00	0.98	2.49	1.19	0.49	0.00	0.08	0.00	0.00	1.38	3.14
7050	0.73	0.37	0.00	0.08	0.00	0.00	0.76	1.94	0.92	0.38	0.00	0.08	0.00	0.00	1.06	2.44
7055	7.65	4.25	5.51	1.76	0.00	0.00	11.64	30.81	9.57	4.34	7.26	2.32	0.00	0.00	15.87	39.36
7060	0.96	0.48	0.00	0.08	0.00	0.00	0.99	2.51	1.20	0.49	0.00	0.08	0.00	0.00	1.39	3.16
7065	1.09	0.54	0.00	0.08	0.00	0.00	1.12	2.83	1.36	0.56	0.00	0.08	0.00	0.00	1.58	3.58
7070	11.17	6.19	7.87	2.52	0.00	0.00	16.97	44.72	13.96	6.33	10.37	3.32	0.00	0.00	23.14	57.12
7075	1.55	0.77	0.00	0.08	0.00	0.00	1.60	4.00	1.94	0.79	0.00	0.08	0.00	0.00	2.24	5.05
7080	1.70	0.85	0.00	0.08	0.00	0.00	1.75	4.38	2.12	0.87	0.00	0.08	0.00	0.00	2.46	5.53
7085	1.35	0.68	0.00	0.08	0.00	0.00	1.39	3.50	1.69	0.69	0.00	0.08	0.00	0.00	1.96	4.42
7090	18.69	9.35	13.19	3.30	0.00	0.00	21.65	66.18	23.36	9.58	17.37	4.34	0.00	0.00	30.07	84.72
7095	2.26	1.13	0.00	0.08	0.00	0.00	2.33	5.80	2.83	1.16	0.00	0.08	0.00	0.00	3.28	7.35
7100	2.49	1.25	0.00	0.08	0.00	0.00	2.57	6.39	3.12	1.28	0.00	0.08	0.00	0.00	3.61	8.09
7105	2.27	1.14	0.00	0.08	0.00	0.00	2.34	5.83	2.84	1.16	0.00	0.08	0.00	0.00	3.29	7.37
7110	0.07	0.03	0.00	0.05	0.00	0.00	0.07	0.22	0.08	0.03	0.00	0.05	0.00	0.00	0.10	0.26
7115	22.22	11.85	18.11	3.98	0.00	0.00	24.09	80.25	26.66	12.07	23.85	5.25	0.00	0.00	32.12	99.95
7120	3.13	1.57	0.00	0.08	0.00	0.00	3.22	8.00	3.91	1.60	0.00	0.08	0.00	0.00	4.53	10.12
7125	3.31	1.65	0.00	0.08	0.00	0.00	3.41	8.45	4.13	1.70	0.00	0.08	0.00	0.00	4.79	10.70
7130	2.76	1.38	0.00	0.08	0.00	0.00	2.84	7.06	3.45	1.41	0.00	0.08	0.00	0.00	3.99	8.93
7135	0.81	0.41	0.00	0.12	0.00	0.00	0.84	2.18	1.02	0.42	0.00	0.12	0.00	0.00	1.18	2.74
7140	0.09	0.04	0.00	0.08	0.00	0.00	0.09	0.30	0.11	0.05	0.00	0.08	0.00	0.00	0.13	0.37
7145	37.27	19.87	27.55	6.06	0.00	0.00	40.41	131.16	44.72	20.24	36.29	7.98	0.00	0.00	53.88	163.11
7150	4.76	2.38	0.00	0.08	0.00	0.00	4.90	12.12	5.95	2.44	0.00	0.08	0.00	0.00	6.90	15.37
7155	5.23	2.62	0.00	0.08	0.00	0.00	5.39	13.32	6.54	2.68	0.00	0.08	0.00	0.00	7.57	16.87
7160	0.10	0.05	0.00	0.08	0.00	0.00	0.11	0.34	0.13	0.05	0.00	0.08	0.00	0.00	0.15	0.41
7165	3.52	1.76	0.00	0.08	0.00	0.00	3.63	8.99	4.40	1.80	0.00	0.08	0.00	0.00	5.10	11.38
7175	4.20	2.33	3.46	1.11	0.00	0.00	6.39	17.49	5.25	2.38	4.56	1.46	0.00	0.00	8.71	22.36
7180	0.69	0.34	0.00	0.08	0.00	0.00	0.71	1.82	0.86	0.35	0.00	0.08	0.00	0.00	1.00	2.29
7185	0.69	0.34	0.00	0.05	0.00	0.00	0.71	1.79	0.86	0.35	0.00	0.05	0.00	0.00	0.99	2.25
7190	5.82	3.23	4.80	1.54	0.00	0.00	8.84	24.23	7.27	3.30	6.32	2.02	0.00	0.00	12.06	30.97
7195	0.77	0.38	0.00	0.08	0.00	0.00	0.79	2.02	0.96	0.39	0.00	0.08	0.00	0.00	1.11	2.54
7200	0.94	0.47	0.00	0.05	0.00	0.00	0.96	2.42	1.17	0.48	0.00	0.05	0.00	0.00	1.36	3.06
7205	7.56	4.19	5.90	1.89	0.00	0.00	11.49	31.03	9.45	4.29	7.78	2.49	0.00	0.00	15.67	39.68
7210	1.17	0.59	0.00	0.08	0.00	0.00	1.21	3.05	1.47	0.60	0.00	0.08	0.00	0.00	1.70	3.85
7215	1.17	0.59	0.00	0.05	0.00	0.00	1.21	3.02	1.46	0.60	0.00	0.05	0.00	0.00	1.69	3.80
7220	11.28	6.26	8.78	2.81	0.00	0.00	17.15	46.28	14.10	6.40	11.56	3.70	0.00	0.00	23.39	59.15
7225	1.25	0.63	0.00	0.08	0.00	0.00	1.29	3.25	1.56	0.64	0.00	0.08	0.00	0.00	1.81	4.09
7230	1.31	0.66	0.00	0.08	0.00	0.00	1.35	3.40	1.64	0.67	0.00	0.08	0.00	0.00	1.90	4.29
7235	1.78	0.89	0.00	0.05	0.00	0.00	1.83	4.55	2.22	0.91	0.00	0.05	0.00	0.00	2.58	5.76
7240	19.35	9.68	11.81	2.95	0.00	0.00	22.41	66.20	24.18	9.92	15.55	3.89	0.00	0.00	31.13	84.67
7245	2.48	1.24	0.00	0.05	0.00	0.00	2.55	6.32	3.10	1.27	0.00	0.05	0.00	0.00	3.59	8.01
7250	2.52	1.26	0.00	0.05	0.00	0.00	2.59	6.42	3.14	1.29	0.00	0.05	0.00	0.00	3.64	8.12
7255	22.78	11.39	16.73	4.18	0.00	0.00	26.39	81.47	28.47	11.68	22.03	5.51	0.00	0.00	36.65	104.34
7260	3.73	1.87	0.00	0.05	0.00	0.00	3.85	9.50	4.67	1.91	0.00	0.05	0.00	0.00	5.41	12.04
7265	3.83	1.91	0.00	0.05	0.00	0.00	3.94	9.73	4.79	1.96	0.00	0.05	0.00	0.00	5.54	12.34
7270	2.40	1.20	0.00	0.08	0.00	0.00	2.47	6.15	3.00	1.23	0.00	0.08	0.00	0.00	3.47	7.78
7275	24.67	13.15	17.91	3.94	0.00	0.00	26.75	86.42	29.60	13.40	23.59	5.19	0.00	0.00	35.66	107.44
7280	4.32	2.16	0.00	0.05	0.00	0.00	4.44	10.97	5.40	2.21	0.00	0.05	0.00	0.00	6.25	13.91
7285	4.94	2.47	0.00	0.05	0.00	0.00	5.09	12.55	6.18	2.53	0.00	0.05	0.00	0.00	7.16	15.92
7290	2.75	1.37	0.00	0.08	0.00	0.00	2.83	7.03	3.43	1.41	0.00	0.08	0.00	0.00	3.98	8.90
7300	3.45	1.91	2.56	0.82	0.00	0.00	5.24	13.98	4.31	1.95	3.37	1.08	0.00	0.00	7.15	17.86
7305	4.32	2.40	3.07	0.98	0.00	0.00	6.57	17.34	5.40	2.45	4.04	1.29	0.00	0.00	8.96	22.14
7310	6.33	3.51	4.33	1.39	0.00	0.00	9.62	25.18	7.91	3.59	5.70	1.82	0.00	0.00	13.12	32.14

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
7315	8.33	4.62	5.51	1.76	0.00	0.00	12.66	32.88	10.41	4.72	7.26	2.32	0.00	0.00	17.27	41.98
7320	0.96	0.48	0.00	0.05	0.00	0.00	0.99	2.48	1.20	0.49	0.00	0.05	0.00	0.00	1.39	3.13
7325	1.08	0.54	0.00	0.05	0.00	0.00	1.11	2.78	1.35	0.55	0.00	0.05	0.00	0.00	1.56	3.51
7330	12.69	7.04	8.27	2.64	0.00	0.00	19.29	49.93	15.86	7.20	10.89	3.48	0.00	0.00	26.30	63.73
7335	1.69	0.85	0.00	0.05	0.00	0.00	1.74	4.33	2.11	0.87	0.00	0.05	0.00	0.00	2.45	5.48
7340	1.14	0.57	0.00	0.05	0.00	0.00	1.18	2.94	1.43	0.59	0.00	0.05	0.00	0.00	1.66	3.73
7345	17.94	8.97	12.20	3.05	0.00	0.00	20.79	62.95	22.43	9.20	16.07	4.02	0.00	0.00	28.87	80.59
7350	2.09	1.24	0.00	0.05	0.00	0.00	2.15	5.33	2.61	1.07	0.00	0.05	0.00	0.00	3.02	6.75
7355	1.72	0.86	0.00	0.05	0.00	0.00	1.78	4.11	2.16	0.88	0.00	0.05	0.00	0.00	2.50	5.59
7360	0.77	0.38	0.00	0.08	0.00	0.00	0.74	1.90	0.90	0.37	0.00	0.08	0.00	0.00	1.05	2.40
7365	0.42	0.21	0.00	0.13	0.00	0.00	0.43	1.19	0.53	0.22	0.00	0.13	0.00	0.00	0.61	1.49
7370	0.07	0.03	0.00	0.08	0.00	0.00	0.07	0.25	0.08	0.03	0.00	0.08	0.00	0.00	0.10	0.29
7380	2.33	1.29	1.65	0.53	0.00	0.00	3.54	9.34	2.91	1.32	2.18	0.70	0.00	0.00	4.82	11.93
7385	3.38	1.87	2.56	0.82	0.00	0.00	5.11	13.77	4.23	1.92	3.37	1.08	0.00	0.00	7.01	17.61
7390	4.05	2.25	2.83	0.91	0.00	0.00	6.15	16.19	5.06	2.30	3.73	1.19	0.00	0.00	8.39	20.67
7400	2.83	1.57	2.48	0.79	0.00	0.00	4.30	11.97	3.54	1.50	3.27	1.05	0.00	0.00	5.86	15.32
7405	0.49	0.25	0.00	0.05	0.00	0.00	0.51	1.30	0.62	0.25	0.00	0.05	0.00	0.00	0.71	1.63
7410	4.25	2.36	3.54	1.13	0.00	0.00	6.46	17.74	5.31	2.41	4.57	1.49	0.00	0.00	8.80	22.68
7415	0.35	0.18	0.00	0.05	0.00	0.00	0.36	0.94	0.44	0.18	0.90	0.05	0.00	0.00	0.51	1.18
7420	6.22	3.45	4.64	1.49	0.00	0.00	9.45	25.25	7.77	3.53	6.12	1.96	0.00	0.00	12.89	32.27
7425	0.59	0.29	0.00	0.05	0.00	0.00	0.61	1.54	0.73	0.30	0.00	0.05	0.00	0.00	0.85	1.93
7430	8.79	4.88	6.10	1.95	0.00	0.00	13.37	35.09	10.99	4.39	8.94	2.57	0.00	0.00	18.23	44.82
7435	0.77	0.38	0.00	0.05	0.00	0.00	0.79	1.99	0.96	0.39	0.00	0.05	0.00	0.00	1.11	2.51
7440	11.00	6.10	8.66	2.77	0.00	0.00	16.73	45.26	13.75	6.24	11.40	3.65	0.00	0.00	22.81	57.95
7445	1.20	0.60	0.00	0.05	0.00	0.00	1.24	3.09	1.50	0.62	0.00	0.05	0.00	0.00	1.74	3.91
7450	1.28	0.64	0.00	0.05	0.00	0.00	1.32	3.29	1.50	0.66	0.00	0.05	0.00	0.00	1.86	4.17
7455	16.96	8.48	12.60	3.15	0.00	0.00	19.64	60.83	21.19	8.69	16.59	4.15	0.00	0.00	27.28	77.90
7460	1.65	0.83	0.00	0.05	0.00	0.00	1.70	4.23	2.06	0.85	0.00	0.05	0.00	0.00	2.39	5.35
7465	1.74	0.87	0.00	0.05	0.00	0.00	1.80	4.46	2.18	0.89	0.00	0.05	0.00	0.00	2.52	5.64
7470	22.84	11.42	16.14	4.03	0.00	0.00	26.46	87.89	23.55	11.71	21.25	5.31	0.00	0.00	36.75	103.57
7475	2.25	1.12	0.00	0.05	0.00	0.00	2.31	5.73	2.81	1.15	0.00	0.05	0.00	0.00	3.25	7.26
7480	2.04	1.02	0.00	0.05	0.00	0.00	2.11	5.22	2.56	1.05	0.00	0.05	0.00	0.00	2.96	6.62
7485	35.99	19.19	24.10	5.37	0.00	0.00	30.02	123.97	43.19	19.55	32.14	7.07	0.00	0.00	52.03	153.98
7490	5.38	2.69	0.00	0.05	0.00	0.00	5.54	13.65	6.72	2.76	0.00	0.05	0.00	0.00	7.79	17.32
7495	5.05	2.53	0.00	0.05	0.00	0.00	5.20	11.83	6.32	2.59	0.00	0.05	0.00	0.00	7.32	16.28
7500	4.73	2.37	0.00	0.05	0.00	0.00	4.87	12.02	5.91	2.42	0.00	0.05	0.00	0.00	6.85	15.23
7510	12.70	7.04	8.07	2.58	0.00	0.00	19.30	49.69	15.89	7.20	10.63	3.40	0.00	0.00	26.32	63.43
7515	1.20	0.60	0.00	0.05	0.00	0.00	1.24	3.09	1.51	0.62	0.00	0.05	0.00	0.00	1.74	3.92
7520	1.35	0.67	0.00	0.05	0.00	0.00	1.39	3.46	1.59	0.69	0.00	0.05	0.00	0.00	1.95	4.38
7525	1.38	0.69	0.00	0.05	0.00	0.00	1.42	3.54	1.73	0.71	0.00	0.05	0.00	0.00	2.00	4.49
7530	16.17	8.09	10.23	2.56	0.00	0.00	18.74	55.79	20.22	8.29	13.48	3.37	0.00	0.00	26.02	71.38
7535	1.70	0.85	0.00	0.05	0.00	0.00	1.75	4.35	2.13	0.87	0.00	0.05	0.00	0.00	2.47	5.52
7540	2.23	1.12	0.00	0.05	0.00	0.00	2.30	5.70	2.79	1.14	0.00	0.05	0.00	0.00	3.23	7.21
7545	1.93	0.97	0.00	0.05	0.00	0.00	1.99	4.94	2.42	0.99	0.00	0.05	0.00	0.00	2.80	6.26
7550	0.56	0.28	0.00	0.12	0.00	0.00	0.58	1.54	0.70	0.29	0.00	0.12	0.00	0.00	0.81	1.92
7555	22.84	11.42	14.56	3.64	0.00	0.00	26.46	79.92	23.55	11.70	19.18	4.80	0.00	0.00	36.74	100.97
7560	2.23	1.11	0.00	0.05	0.00	0.00	2.29	5.68	2.78	1.14	0.00	0.05	0.00	0.00	3.22	7.19
7565	2.44	1.22	0.00	0.05	0.00	0.00	2.51	6.22	3.05	1.25	0.00	0.05	0.00	0.00	3.53	7.88
7570	2.17	1.09	0.00	0.05	0.00	0.00	2.23	5.54	2.71	1.11	0.00	0.05	0.00	0.00	3.14	7.01
7575	0.09	0.05	0.00	0.05	0.00	0.00	0.09	0.28	0.11	0.05	0.00	0.05	0.00	0.00	0.13	0.34
7580	0.52	0.26	0.00	0.11	0.00	0.00	0.53	1.42	0.64	0.26	0.00	0.11	0.00	0.00	0.75	1.76
7590	11.83	6.11	7.66	2.15	2.41	0.36	8.59	39.11	14.78	6.26	10.08	2.82	5.05	0.76	11.64	51.39
7595	16.85	9.00	10.94	3.06	5.62	0.84	12.31	58.55	21.27	9.22	14.40	4.03	11.77	1.76	16.70	78.95
7605	18.48	9.93	11.02	3.03	5.88	0.88	13.52	62.69	23.10	10.08	14.50	4.06	12.32	1.85	18.30	84.21
7610	30.40	16.70	20.87	5.84	9.74	1.46	22.39	107.40	33.00	17.12	27.45	7.69	20.40	3.06	30.32	144.05

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7620	1.01	0.53	1.57	0.44	0.22	0.03	0.74	4.54	1.26	0.54	2.06	0.58	0.46	0.07	1.00	5.97
7625	1.15	0.59	1.82	0.51	0.22	0.03	0.83	5.15	1.43	0.61	2.40	0.67	0.46	0.07	1.13	6.77
7630	1.29	0.67	2.26	0.63	0.27	0.04	0.94	6.10	1.61	0.69	2.98	0.93	0.54	0.08	1.27	8.00
7640	0.25	0.14	0.66	0.21	0.03	0.01	0.31	1.61	0.31	0.14	0.86	0.27	0.05	0.01	0.43	2.07
7645	1.15	0.60	1.32	0.42	0.06	0.01	1.42	4.98	1.44	0.61	1.72	0.55	0.09	0.01	1.98	6.40
7650	1.32	0.69	2.05	0.56	0.06	0.01	1.63	6.42	1.65	0.70	2.67	0.86	0.09	0.01	2.27	8.25
7655	2.89	1.51	2.33	0.65	0.19	0.03	3.58	11.18	3.61	1.55	3.07	0.86	0.27	0.04	4.97	14.37
7660	6.28	3.28	3.68	1.03	0.32	0.05	7.79	22.43	7.86	3.36	4.85	1.36	0.45	0.07	13.81	28.76
7670	10.46	5.34	3.65	1.02	0.00	0.00	12.89	33.36	13.07	5.47	4.80	1.34	0.00	0.00	17.90	42.58
7675	15.04	7.68	6.38	1.79	0.00	0.00	18.55	49.41	18.81	7.86	8.40	2.35	0.00	0.00	25.76	63.18
7685	11.13	5.68	3.06	0.86	0.00	0.00	13.72	34.45	13.91	5.82	4.03	1.13	0.00	0.00	19.05	43.91
7690	19.40	9.90	6.38	1.79	0.00	0.00	23.92	61.39	24.25	10.14	8.40	2.35	0.00	0.00	33.22	78.36
7705	0.84	0.31	2.61	0.84	0.12	0.02	0.79	5.53	1.01	0.32	3.49	1.12	0.15	0.02	1.09	7.20
7710	1.06	0.38	2.61	0.84	0.14	0.02	0.99	6.04	1.27	0.39	3.49	1.12	0.18	0.03	1.36	7.94
7715	0.88	0.33	2.61	0.84	0.18	0.03	0.83	5.70	1.05	0.34	3.49	1.12	0.22	0.03	1.14	7.39
7720	1.08	0.40	2.61	0.84	0.21	0.03	1.01	6.18	1.29	0.41	3.49	1.12	0.28	0.04	1.39	8.02
7725	0.98	0.37	2.61	0.84	0.29	0.04	0.93	6.06	1.18	0.38	3.49	1.12	0.36	0.05	1.28	7.86
7730	1.34	0.65	5.98	1.91	0.39	0.06	1.09	11.41	1.78	0.68	7.59	2.46	0.48	0.07	1.69	14.95
7735	1.89	0.90	3.53	0.99	0.38	0.06	1.53	9.28	2.52	0.93	4.59	1.29	0.48	0.07	2.38	12.26
7740	1.57	0.75	6.88	2.20	0.38	0.06	1.27	13.11	2.09	0.78	3.84	2.83	0.48	0.07	1.97	17.06
7745	2.15	1.02	3.53	0.99	0.38	0.06	1.73	9.86	2.87	1.05	4.59	1.29	0.48	0.07	2.70	13.05
7750	1.75	0.85	6.88	2.20	0.46	0.07	1.42	13.63	2.33	0.88	8.84	2.83	0.58	0.09	2.21	17.76
7755	2.17	1.08	3.53	0.99	0.79	0.12	1.78	10.46	2.90	1.12	4.59	1.29	1.01	0.15	2.76	13.82
7760	2.65	1.30	12.87	4.12	0.80	0.12	2.16	24.02	3.53	1.34	16.58	5.31	1.04	0.16	3.35	31.31
7765	3.69	1.78	5.72	1.60	0.96	0.14	2.99	16.88	4.91	1.85	7.44	2.08	1.24	0.19	4.65	22.36
7770	3.86	1.86	5.72	1.60	0.98	0.15	3.13	17.30	5.15	1.93	7.44	2.08	1.27	0.19	4.87	22.93
7775	3.64	1.76	5.72	1.60	0.98	0.15	2.95	16.80	4.85	1.93	7.44	2.08	1.27	0.19	4.59	22.25
7780	4.29	2.05	5.72	1.60	0.98	0.15	3.47	18.26	5.72	2.13	7.44	2.08	1.27	0.19	5.40	24.23
7785	5.64	2.70	7.32	2.19	1.30	0.20	4.56	24.41	7.53	2.80	10.16	2.84	1.68	0.25	7.10	32.36
7790	5.98	2.87	7.82	2.19	1.40	0.21	4.84	25.31	7.97	2.97	10.16	2.84	1.80	0.27	7.53	33.54
7795	5.65	2.72	7.82	2.19	1.40	0.21	4.58	24.57	7.53	2.82	10.16	2.84	1.80	0.27	7.12	32.54
7800	5.63	2.68	9.35	2.62	1.17	0.18	4.55	26.18	7.51	2.78	12.16	3.40	1.52	0.23	7.07	34.67
7810	0.97	0.35	2.75	0.88	0.15	0.02	0.91	6.03	1.16	0.36	3.66	1.17	0.18	0.03	1.25	7.81
7815	1.25	0.45	2.66	0.85	0.15	0.02	1.17	6.55	1.50	0.47	3.55	1.14	0.18	0.03	1.61	8.48
7820	1.37	0.49	2.75	0.88	0.16	0.02	1.28	6.95	1.64	0.51	3.66	1.17	0.21	0.03	1.76	8.98
7825	1.28	0.46	2.75	0.88	0.16	0.02	1.20	6.75	1.54	0.48	3.66	1.17	0.20	0.03	1.65	8.73
7830	1.31	0.48	2.75	0.88	0.18	0.03	1.23	6.86	1.58	0.49	3.66	1.17	0.24	0.04	1.69	8.87
7835	1.22	0.46	2.66	0.85	0.29	0.04	1.15	6.67	1.46	0.47	3.55	1.14	0.36	0.05	1.58	8.61
7840	1.21	0.60	6.25	2.00	0.38	0.06	0.99	11.49	1.62	0.62	8.04	2.57	0.48	0.07	1.54	14.94
7845	1.33	0.65	6.25	2.00	0.38	0.06	1.08	11.75	1.78	0.67	8.04	2.57	0.48	0.07	1.68	15.29
7850	1.76	0.84	3.60	1.01	0.38	0.06	1.43	9.08	2.35	0.87	4.68	1.31	0.48	0.07	2.22	11.98
7855	1.40	0.69	6.95	2.23	0.46	0.07	1.15	12.95	1.87	0.72	8.94	2.86	0.58	0.09	1.78	16.84
7860	2.51	1.21	4.03	1.13	0.60	0.09	2.03	11.50	3.34	1.25	5.24	1.47	0.76	0.11	3.16	15.33
7865	2.65	1.33	11.95	3.82	1.04	0.16	2.17	23.12	3.53	1.38	15.39	4.93	1.35	0.20	3.38	30.16
7870	3.04	1.50	6.70	1.98	1.04	0.16	2.48	16.80	4.06	1.56	8.71	2.44	1.35	0.20	3.86	22.18
7875	3.37	1.61	7.68	2.15	0.75	0.11	2.72	18.39	4.49	1.67	9.99	2.80	0.95	0.14	4.24	24.28
7880	3.41	1.67	6.87	1.92	1.04	0.15	2.77	17.84	4.54	1.73	8.93	2.50	1.35	0.20	4.31	23.56
7885	3.93	1.86	5.01	1.40	0.74	0.11	3.17	16.22	5.24	1.93	6.52	1.83	0.93	0.14	4.93	21.52
7890	4.75	2.26	10.95	3.07	1.04	0.16	3.83	26.06	6.33	2.35	14.24	3.99	1.35	0.20	5.97	34.43
7895	5.46	2.62	10.04	2.81	1.25	0.19	4.42	26.79	7.28	2.71	13.05	3.65	1.59	0.24	6.87	35.39
7900	5.43	2.63	10.04	2.81	1.44	0.22	4.40	26.97	7.24	2.72	13.05	3.55	1.35	0.28	6.85	35.64
7910	0.98	0.36	1.62	0.52	0.16	0.02	0.92	4.58	1.17	0.37	2.15	0.69	0.21	0.03	1.26	5.88
7915	1.08	0.52	5.71	1.83	0.27	0.04	0.37	10.32	1.44	0.54	7.34	2.35	0.34	0.05	1.36	13.42
7920	1.12	0.54	5.71	1.83	0.27	0.04	0.91	10.42	1.49	0.56	7.34	2.35	0.34	0.05	1.41	13.54
7925	1.59	0.75	3.60	1.01	0.27	0.04	1.28	8.54	2.13	0.78	4.68	1.31	0.34	0.05	2.00	11.29

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7930	1.19	0.57	7.34	2.35	0.27	0.04	0.97	12.73	1.59	0.59	9.44	3.02	0.34	0.05	1.50	16.53
7935	1.30	0.86	3.92	1.10	0.38	0.06	1.45	9.57	2.40	0.89	5.10	1.43	0.48	0.07	2.26	12.63
7940	1.38	0.67	7.38	2.36	0.38	0.06	1.12	13.35	1.84	0.70	9.49	3.04	0.48	0.07	1.74	17.36
7945	2.36	1.11	4.58	1.28	0.38	0.06	1.90	11.67	3.15	1.15	5.95	1.67	0.48	0.07	2.96	15.43
7950	3.79	1.84	6.87	1.92	1.04	0.16	3.08	18.70	5.06	1.91	8.93	2.50	1.35	0.20	4.79	24.74
7955	4.61	2.20	7.52	2.11	1.04	0.16	3.72	21.36	6.14	2.28	9.78	2.74	1.35	0.20	5.79	28.28
7960	4.87	2.32	9.48	2.66	1.04	0.16	3.93	24.46	6.49	2.40	12.33	3.45	1.35	0.20	6.11	32.33
7965	4.70	2.24	7.36	2.06	1.04	0.16	3.80	21.36	6.26	2.33	9.56	2.68	1.35	0.20	5.91	28.29
7970	5.07	2.41	9.48	2.66	1.04	0.16	4.09	24.91	6.76	2.50	12.33	3.45	1.35	0.20	6.37	32.96
7975	6.30	2.06	9.48	2.66	1.10	0.17	5.07	27.74	8.40	3.07	12.33	3.45	1.42	0.21	7.89	36.77
7985	6.42	3.02	9.48	2.66	1.10	0.17	5.17	28.02	8.56	3.13	12.33	3.45	1.42	0.21	8.03	37.13
7990	7.11	3.33	9.48	2.66	1.10	0.17	5.72	29.57	9.49	3.45	12.33	3.45	1.42	0.21	8.89	39.24
8000	6.00	2.86	8.17	2.29	1.25	0.19	4.85	25.61	8.00	2.96	10.63	2.98	1.59	0.24	7.54	33.94
8005	6.71	3.15	11.44	3.20	1.10	0.17	5.40	31.17	8.94	3.26	14.88	4.17	1.42	0.21	8.39	41.27
8010	7.27	3.40	11.44	3.20	1.10	0.17	5.84	32.42	9.70	3.53	14.88	4.17	1.42	0.21	9.09	43.00
8015	7.58	3.54	11.44	3.20	1.10	0.17	6.09	33.12	10.10	3.67	14.88	4.17	1.42	0.21	9.47	43.92
8020	10.32	4.76	11.44	3.20	1.10	0.17	8.26	39.25	13.76	4.94	14.88	4.17	1.42	0.21	12.85	52.23
8030	2.33	0.95	0.00	0.10	0.00	0.00	2.03	5.41								
8035	2.83	1.15	0.00	0.10	0.00	0.00	2.47	6.55								
8040	4.39	1.78	0.00	0.10	0.00	0.00	3.83	10.10								
8045	5.48	2.22	0.00	0.10	0.00	0.00	4.78	12.58								
8050	6.25	2.54	0.00	0.10	0.00	0.00	5.45	14.34								
8060	0.59	0.24	0.00	0.09	0.00	0.00	0.52	1.44	0.79	0.25	0.00	0.09	0.00	0.00	0.79	1.92
8065	0.93	0.38	0.00	0.09	0.00	0.00	0.81	2.21	1.25	0.39	0.00	0.09	0.00	0.00	1.24	2.97
8070	0.94	0.38	0.00	0.09	0.00	0.00	0.82	2.23	1.26	0.40	0.00	0.09	0.00	0.00	1.26	3.01
8075	0.96	0.39	0.00	0.09	0.00	0.00	0.84	2.28	1.28	0.40	0.00	0.09	0.00	0.00	1.27	3.04
8085	0.19	0.08	0.00	0.00	0.00	0.00	0.17	0.44								
8090	0.20	0.08	0.00	0.00	0.00	0.00	0.17	0.45								
8095	0.21	0.09	0.00	0.00	0.00	0.00	0.19	0.49								
8100	0.26	0.10	0.00	0.00	0.00	0.00	0.22	0.58								
8105	0.28	0.11	0.00	0.00	0.00	0.00	0.24	0.63								
8110	0.27	0.11	0.00	0.00	0.00	0.00	0.23	0.61								
8115	0.08	0.03	0.00	0.00	0.00	0.00	0.07	0.18								
8125	0.21	0.08	0.00	0.09	0.00	0.00	0.18	0.56								
8130	0.26	0.11	0.00	0.09	0.00	0.00	0.23	0.69								
8135	0.72	0.29	0.00	0.09	0.00	0.00	0.63	1.73								
8140	0.80	0.33	0.00	0.09	0.00	0.00	0.70	1.92								
8150	2.56	1.04	0.00	0.13	0.00	0.00	2.23	5.96								
8155	2.60	1.05	0.00	0.13	0.00	0.00	2.27	6.05								
8160	2.63	1.07	0.00	0.13	0.00	0.00	2.29	6.12								
8165	2.66	1.08	0.00	0.13	0.00	0.00	2.32	6.19								
8175	1.14	0.46	0.00	0.00	0.00	0.00	0.99	2.59								
8180	1.20	0.49	0.00	0.00	0.00	0.00	1.05	2.74								
8185	1.28	0.52	0.00	0.00	0.00	0.00	1.11	2.91								
8195	2.03	1.11	0.00	0.09	0.51	0.08	1.55	5.37	2.53	1.13	0.00	0.09	0.62	0.09	2.26	6.72
8200	2.36	1.27	0.00	0.09	0.51	0.08	1.80	6.11	2.95	1.31	0.00	0.09	0.62	0.09	2.62	7.68
8205	2.34	1.26	0.00	0.09	0.51	0.08	1.78	6.06	2.92	1.29	0.00	0.09	0.62	0.09	2.60	7.61
8210	2.95	1.60	0.00	0.09	0.67	0.10	2.25	7.66	3.69	1.64	0.00	0.09	0.80	0.12	3.28	9.62
8215	3.11	1.67	0.00	0.09	0.66	0.10	2.36	7.99	3.88	1.71	0.00	0.09	0.79	0.12	3.45	10.04
8220	6.23	3.54	0.00	0.09	2.28	0.34	4.80	17.28	7.78	3.63	0.00	0.09	2.74	0.41	7.00	21.65
8225	6.78	3.91	0.00	0.09	2.76	0.41	5.25	19.20	8.48	4.01	0.00	0.09	3.32	0.50	7.65	24.05
8235	2.45	1.32	0.00	0.09	0.51	0.08	1.86	6.31	3.06	1.35	0.00	0.09	0.62	0.09	2.72	7.93
8245	1.16	0.90	0.00	0.09	0.42	0.06	0.95	3.58								
8250	1.33	1.03	0.00	0.09	0.47	0.07	1.08	4.07								
8255	1.63	1.24	0.00	0.09	0.51	0.09	1.33	4.88								

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
8260	1.62	1.27	0.00	0.13	0.62	0.09	1.33	5.06								
8265	1.70	1.34	0.00	0.13	0.70	0.11	1.40	5.38								
8270	1.85	1.47	0.00	0.13	0.77	0.12	1.53	5.87								
8275	2.00	1.61	0.00	0.13	0.95	0.14	1.66	6.49								
8280	2.76	2.13	0.00	0.13	0.95	0.14	2.26	8.37								
8285	2.83	2.18	0.00	0.13	0.95	0.14	2.31	8.54								
8290	3.36	2.56	0.00	0.17	1.03	0.15	2.73	10.00								
8295	3.70	2.82	0.00	0.17	1.16	0.17	3.01	11.03								
8300	4.06	3.10	0.00	0.17	1.27	0.19	3.30	12.09								
8305	4.42	3.52	0.00	0.17	1.91	0.29	3.66	13.97								
8310	0.87	0.73	0.00	0.09	0.51	0.08	0.74	3.02								
8320	0.31	0.69	0.00	0.09	0.51	0.08	0.69	2.87								
8330	1.06	0.86	0.00	0.11	0.51	0.08	0.88	3.50								
8335	1.07	0.86	0.00	0.11	0.51	0.08	0.89	3.52								
8345	0.53	0.45	0.00	0.10	0.31	0.05	0.45	1.89								
8350	0.54	0.46	0.00	0.10	0.34	0.05	0.46	1.95								
8355	0.59	0.52	0.00	0.10	0.43	0.06	0.51	2.21								
8365	1.92	1.17	2.30	0.64	0.19	0.03	1.21	7.46								
8370	1.94	1.24	2.30	0.64	0.37	0.06	1.23	7.78								
8375	2.04	1.29	2.30	0.64	0.37	0.06	1.29	7.99								
8385	18.52	10.43	10.37	3.42	5.58	0.84	13.06	62.22	22.22	10.62	13.39	4.42	9.31	1.40	18.28	79.64
8390	25.68	14.67	14.98	4.94	9.61	1.44	18.14	89.46	30.81	14.94	19.34	6.38	16.03	2.40	25.40	115.30
8395	34.72	20.40	20.04	6.61	12.85	1.93	24.65	121.20	41.66	20.78	25.89	8.54	21.43	3.21	34.52	156.03
8400	16.41	9.31	10.37	3.42	5.58	0.84	11.58	57.51	19.69	9.48	13.39	4.42	9.31	1.40	16.21	73.90
8405	23.82	13.97	14.98	4.94	12.12	1.82	16.91	88.56	28.58	14.23	19.34	6.38	20.21	3.03	23.67	115.44
8415	12.00	6.84	5.41	1.79	3.49	0.52	8.48	38.53	14.40	6.96	6.99	2.31	5.61	0.84	11.87	48.98
8420	14.61	8.24	5.88	1.94	3.66	0.55	10.30	45.18	17.53	8.39	7.59	2.50	5.88	0.88	14.42	57.19
8425	14.63	8.60	5.88	1.94	6.17	0.93	10.39	48.54	17.55	8.76	7.59	2.50	9.92	1.49	14.54	62.35
8430	24.69	14.38	10.37	3.42	9.47	1.42	17.50	81.25	29.62	14.65	13.39	4.42	15.22	2.28	24.51	104.09
8440	12.06	6.82	4.93	1.63	2.82	0.42	8.51	37.19	14.47	6.95	6.37	2.10	4.70	0.70	11.91	47.20
8445	19.45	10.86	10.37	3.42	5.05	0.76	13.69	63.60	23.34	11.06	13.39	4.42	8.42	1.26	19.17	81.06
8450	25.00	14.31	14.01	4.62	9.61	1.44	17.57	86.66	30.00	14.58	18.09	5.97	16.03	2.40	24.74	111.31
8455	32.68	19.11	14.88	4.91	11.53	1.73	23.19	108.03	39.22	19.47	19.22	6.34	19.22	2.88	32.47	138.82
8460	33.35	19.67	17.40	5.74	12.85	1.93	23.70	114.64	40.02	20.04	22.47	7.41	21.43	3.21	33.17	147.75
8470	24.78	13.87	13.36	4.41	7.74	1.16	17.45	82.77	29.74	14.13	17.26	5.70	13.27	1.99	24.44	106.53
8480	10.70	6.03	4.95	1.63	3.27	0.49	7.54	34.61	12.84	6.14	6.40	2.11	5.45	0.82	10.56	44.32
8485	15.43	8.70	7.40	2.44	4.81	0.72	10.88	50.38	18.51	8.87	9.55	3.15	8.03	1.20	15.23	64.54
8490	18.43	10.78	11.36	3.75	9.15	1.37	13.08	67.92	22.12	10.99	14.67	4.84	15.26	2.29	18.31	88.48
8495	24.96	14.57	14.38	4.74	12.12	1.82	17.70	90.29	29.95	14.84	18.57	6.13	20.21	3.03	24.78	117.51
8500	34.92	20.50	19.35	6.39	12.85	1.93	24.79	120.73	41.90	20.89	25.00	8.25	21.43	3.21	34.71	155.39
8510	19.18	10.77	9.68	3.19	5.58	0.84	13.51	62.75	23.01	10.97	12.50	4.12	9.31	1.40	18.92	80.23
8515	26.31	15.00	13.27	4.38	9.61	1.44	18.59	88.60	31.58	15.28	17.14	5.66	16.03	2.40	26.03	114.12
8520	28.08	16.22	14.79	4.98	12.12	1.82	19.89	97.80	33.70	16.53	19.11	6.30	20.21	3.03	27.84	126.72
8525	31.26	18.23	15.64	5.16	10.74	1.61	22.17	104.81	37.51	18.57	20.21	6.67	17.91	2.69	31.03	134.59
8530	34.48	20.27	18.85	6.22	12.85	1.93	24.49	119.09	41.37	20.65	24.34	8.03	21.43	3.21	34.28	153.31
8540	7.38	5.18	5.47	1.53	1.91	0.29	6.01	27.77	8.85	5.26	7.20	2.02	2.57	0.39	7.81	34.10
8545	12.55	9.06	12.04	3.37	4.34	0.65	10.30	52.31	15.06	9.20	15.84	4.44	5.84	0.88	13.39	64.65
8550	17.12	12.47	16.42	4.60	6.45	0.97	14.09	72.12	20.54	12.66	21.60	6.05	8.69	1.30	18.32	89.16
8555	17.61	12.79	16.42	4.60	6.45	0.97	14.48	73.32	21.13	12.98	21.60	6.05	8.69	1.30	18.83	90.58
8560	19.60	14.40	20.06	5.62	7.93	1.19	16.17	84.97	23.52	14.62	26.40	7.39	10.68	1.60	21.02	105.23
8565	20.77	15.16	20.06	5.62	7.93	1.19	17.11	87.84	24.93	15.39	26.40	7.39	10.68	1.60	22.24	108.63
8575	12.43	8.98	12.04	3.37	4.34	0.65	10.20	52.01	14.91	9.11	15.84	4.44	5.84	0.88	13.27	64.29
8580	17.02	12.41	16.42	4.60	6.45	0.97	14.01	71.88	20.42	12.60	21.60	6.05	8.69	1.30	18.21	88.87
8585	17.27	12.57	16.42	4.60	6.45	0.97	14.21	72.49	20.72	12.76	21.60	6.05	8.69	1.30	18.47	89.59
8590	20.99	15.30	20.06	5.62	7.93	1.19	17.28	88.37	25.19	15.53	26.40	7.39	10.68	1.60	22.46	109.25

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
8595	21.35	15.52	20.06	5.62	7.93	1.19	17.56	89.23	25.61	15.76	26.40	7.39	10.68	1.60	22.83	110.27
8605	15.46	8.95	12.04	3.37	5.83	0.87	10.95	57.47	18.55	9.12	15.84	4.44	9.76	1.46	15.33	74.50
8610	23.40	13.72	16.42	4.50	9.25	1.39	16.61	85.39	28.08	13.98	21.60	6.05	15.01	2.25	23.26	110.23
8615	36.27	21.87	23.71	6.64	20.50	3.08	25.87	137.94	43.53	22.28	31.20	8.74	34.47	5.17	36.22	181.61
8625	13.93	8.17	10.10	2.33	5.86	0.88	9.89	51.66	16.71	8.32	13.30	3.72	9.68	1.45	13.84	67.02
8630	24.94	13.91	15.43	4.32	4.00	0.60	17.56	80.76	29.93	14.17	20.30	5.69	6.57	0.99	24.58	102.23
8640	16.27	9.41	12.04	3.37	6.00	0.90	11.52	59.51	19.52	9.59	15.84	4.44	10.02	1.50	16.13	77.04
8645	23.29	13.38	16.42	4.60	8.05	1.21	16.47	83.41	27.93	13.63	21.60	6.05	13.49	2.02	23.05	107.77
8655	4.23	1.35	4.89	1.37	0.04	0.01	5.81	17.70								
8660	6.42	2.05	8.60	2.41	0.04	0.01	8.81	28.34								
8670	0.99	0.58	0.00	0.01	0.00	0.00	0.61	2.19								
8675	1.15	0.67	0.00	0.01	0.00	0.00	0.72	2.55								
8680	1.34	0.78	0.00	0.01	0.00	0.00	0.83	2.96								
8690	1.71	1.05	0.59	0.15	0.17	0.03	1.08	4.78								
8695	1.95	1.18	0.59	0.15	0.17	0.03	1.22	5.29								
8700	2.17	1.31	0.59	0.15	0.17	0.03	1.36	5.78								
8710	0.19	0.08	0.96	0.29	0.00	0.00	0.10	1.62								
8715	0.24	0.11	1.20	0.36	0.00	0.00	0.13	2.04								
8725	0.30	0.11	1.26	0.30	0.03	0.00	0.29	2.29								
8730	0.60	0.22	5.84	1.40	0.02	0.00	0.57	8.65								
8735	0.62	0.22	5.84	1.40	0.02	0.00	0.58	8.68								
8740	0.73	0.26	6.20	1.49	0.02	0.00	0.68	9.38								
8745	0.90	0.33	7.64	1.83	0.04	0.01	0.85	11.60								
8755	0.80	0.29	1.71	0.41	0.02	0.00	0.75	3.98								
8760	0.81	0.29	1.71	0.41	0.02	0.00	0.76	4.00								
8765	1.00	0.36	2.84	0.68	0.04	0.01	0.95	5.88								
8770	0.98	0.36	2.89	0.69	0.04	0.01	0.92	5.89								
8780	0.26	0.12	0.48	0.14	0.00	0.00	0.14	1.14								
8785	0.27	0.12	0.96	0.29	0.00	0.00	0.15	1.79								
8795	0.16	0.07	0.91	0.27	0.00	0.00	0.09	1.50								
8800	0.18	0.08	1.15	0.35	0.00	0.00	0.09	1.85								
8805	0.22	0.10	1.44	0.43	0.00	0.00	0.12	2.31								
8810	0.37	0.17	2.02	0.60	0.00	0.00	0.20	3.36								
8820	0.09	0.04	0.91	0.27	0.00	0.00	0.05	1.36								
8825	0.14	0.06	1.15	0.35	0.00	0.00	0.08	1.78								

APPENDIX A

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APPENDIX A

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APPENDIX B

AREA FACTORS

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

Sales or Import Tax Rate:	4.0 %
Working Hours Per Year:	1,700 Hrs/Yr
Labor Adjustment Factor (LAF):	0.940
Electricity Cost Per Kilowatt-Hour:	\$ 0.080 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.110 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 0.960 /GAL.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.090 /Gal.
Freight Rates:	0 thru 30,000 lbs. \$ 8.160 /Cwt. over 30,000 thru 40,000 lbs. \$ 7.370 /Cwt. over 40,000 thru 50,000 lbs. \$ 4.850 /Cwt. over 50,000 thru 60,000 lbs. \$ 3.810 /Cwt. over 60,000 thru 100,000 lbs. \$ 3.600 /Cwt. over 100,000 thru 9999,900 lbs. \$ 3.410 /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)

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

APPENDIX D  
EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

TABLE LEGEND  
\*\*\*\*\*

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

TABLE LEGEND  
\*\*\*\*\*

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C LFE SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR		
			HP	S	G	D	HP	E	G	D	E	G	O	F	D	T			
15	AGGREGATE SPREADERS	A	10	20	50	.000	.051	.030	0	.000	.000	.000	0	24	24	97	69	99	70
30	AIR COMPRESSORS	A	10	25	65	.000	.066	.038	0	.000	.000	.000	0	32	28	0	0	90	70
45	AIR TOOLS, SANDBLASTERS, ETC	A	4	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	90	150
60	ASPHALT DISTRIBUTORS	A	10	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	55	.000	.066	.038	0	.000	.000	.000	0	32	28	76	60	84	80
BACKHOE (SEE KEY NO. 570-601)																			
75	BROOMS	A	10	25	65	.000	.066	.000	0	.000	.000	.000	0	24	0	81	65	90	80
80	BRUSH CHIPPERS	A	10	30	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	25	95	.000	.097	.056	0	.000	.000	.000	0	32	28	81	65	90	90
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	A	8	25	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	90	80
125	CONCRETE FINISHERS & BUGGIES	A	6	20	70	.700	.071	.041	0	.000	.000	.000	50	32	28	0	0	90	80
130	CONCRETE SAWS	A	8	20	90	.900	.091	.053	0	.000	.000	.000	45	32	38	0	0	90	90
135	CONCRETE VIBRATORS	A	4	20	0	.000	.000	.000	0	.000	.000	.000	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	100
CRANE, CRAWLER TYPE																			
150	0 THRU 25 TON	A	13	20	40	.000	.041	.024	0	.000	.000	.000	0	18	18	0	0	0	50
150		S	11	20	52	.000	.053	.031	0	.000	.000	.000	0	18	18	0	0	0	55
165	OVER 25 TON THRU 50 TON	A	15	20	40	.000	.041	.024	0	.000	.000	.000	0	18	18	0	0	0	60
165		S	13	20	52	.000	.053	.031	0	.000	.000	.000	0	18	18	0	0	0	65
170	OVER 50 TON THRU 150 TON	A	18	20	40	.000	.041	.024	0	.000	.000	.000	0	18	18	0	0	0	70
170		S	16	20	52	.000	.053	.031	0	.000	.000	.000	0	18	18	0	0	0	75
180	OVER 150 TON	A	20	25	40	.000	.041	.024	0	.000	.000	.000	0	18	18	0	0	0	80
180		S	18	25	52	.000	.053	.031	0	.000	.000	.000	0	18	18	0	0	0	85
DRAGLINE & CLAMSHELL,CRAWLER																			
185	0 THRU 1 CY	A	12	20	50	.000	.051	.030	0	.000	.000	.000	0	18	18	0	0	0	70
185		S	10	20	65	.000	.066	.038	0	.000	.000	.000	0	18	18	0	0	0	80
190	OVER 1 CY THRU 2-1/2 CY	A	15	20	50	.000	.051	.030	0	.000	.000	.000	0	18	18	0	0	0	80
190		S	13	20	65	.000	.066	.038	0	.000	.000	.000	0	18	18	0	0	0	90
195	OVER 2-1/2 CY THRU 5 CY	A	18	25	50	.000	.051	.030	0	.000	.000	.000	0	18	18	0	0	0	90
195		S	16	25	65	.000	.066	.038	0	.000	.000	.000	0	18	18	0	0	0	100

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C LFE SLV	EQUIPMENT POWER				CARRIER POWER				FOG				TIRES				RPR
			HP	E	G	D	HP	E	G	D	E	G	D	F	D	T			
196	OVER 5 CY	A 20 25	50 .000	.051	.030		0 .000	.000	.000		0 18	18	0	0	0	0	100		
196		S 18 25	65 .000	.066	.038		0 .000	.000	.000		0 18	18	0	0	0	0	110		
200	CRANES, HYDRAULIC, SELF-PROPELLED	A 16 20	65 .000	.066	.038		0 .000	.000	.000		0 32	28	89	71	90	70			
205	CRANES, TOWER	A 18 25	65 .900	.066	.038		10 .900	.010	.006		50 30	26	0	0	0	0	80		
	CRANES & HYD. EXC., TRK MTD																		
210	UNDER 26 T. (THRU 1 CY)	A 15 20	65 .000	.066	.038		10 .000	.010	.006		0 30	26	97	78	0	50			
210		S 13 20	85 .000	.086	.050		13 .000	.013	.007		0 30	26	86	61	0	55			
225	26 THRU 65 T (1 TH 2-1/2 CY)	A 18 20	65 .000	.066	.038		10 .000	.010	.006		0 30	26	97	78	0	60			
225		S 16 20	85 .000	.086	.050		13 .000	.013	.007		0 30	26	86	61	0	65			
230	66 THRU 125 T	A 20 20	65 .000	.066	.038		10 .000	.010	.006		0 30	26	97	78	0	70			
230		S 18 20	85 .000	.086	.050		13 .000	.013	.007		0 30	26	86	61	0	75			
240	OVER 125 T	A 22 20	65 .000	.066	.038		10 .000	.010	.006		0 30	26	97	78	0	80			
240		S 20 20	85 .000	.086	.050		13 .000	.013	.007		0 30	26	86	61	0	85			
255	DRILL, AUGER	A 10 20	50 .000	.051	.030		0 .000	.000	.000		0 32	28	67	57	0	90			
270	DRILL, BLAST HOLE	A 10 20	0 .000	.000	.000		0 .000	.000	.000		0 0	0	0	0	0	0	90		
300	DRILL, CORE	A 10 20	80 .000	.081	.047		0 .000	.000	.000		0 16	24	0	0	0	0	90		
315	DRILL, ROTARY TO 11" DIA. HOLE	A 15 20	80 .000	.081	.047		10 .000	.010	.006		0 24	24	62	44	0	90			
330	DRILL, ROTARY OVER 11" DIA.	A 20 20	30 .000	.081	.047		0 .000	.000	.000		0 24	24	62	44	0	90			
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	A 20 20	70 .700	.000	.000		0 .000	.000	.000		50 0	0	0	0	0	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 16	29	89	71	0	60			
390		S 10 25	78 .000	.079	.046		0 .000	.000	.000		0 16	29	71	51	0	65			
420	GENERATORS	A 8 20	65 .000	.066	.038		0 .000	.000	.000		0 24	24	0	0	90	60			
420		S 7 20	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	0	80		
	HYD. EXCAVATOR (SEE KEY NO. 570-601)																		
440	LIGHT PLANTS	A 8 30	85 .000	.086	.050		0 .000	.000	.000		0 24	24	0	0	90	150			
450	LOADER, BELT	A 10 30	65 .000	.066	.038		0 .000	.000	.000		0 32	28	26	0	99	90			
450		S 8 30	85 .000	.086	.050		0 .000	.000	.000		0 32	28	16	0	96	100			
460	LOADER, FRONT END & LOADER F/E	A 10 20	70 .000	.071	.041		0 .000	.000	.000		0 32	38	0	0	0	0	120		
460	WITH BACKHOE, CRAWLER TYPE	S 8 20	91 .000	.092	.054		0 .000	.000	.000		0 32	38	0	0	0	0	130		
	LOADER, WHEEL TYPE																		
465	0 THRU 225 HP	A 10 25	65 .000	.066	.038		0 .000	.000	.000		0 32	40	70	42	0	70			
465		S 8 25	85 .000	.086	.050		0 .000	.000	.000		0 32	40	41	22	0	75			

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	A 10 25	65 .000	.066	.038		0 .000	.000	.000		0	32	28	72	50	0	80		
475	BACKHOE, WHEEL TYPE	S 8 25	85 .000	.086	.050		0 .000	.000	.000		0	32	28	57	35	0	85		
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	A 6 30	65 .000	.066	.038		0 .000	.000	.000		0	32	28	0	0	0	90		
485	PIPELAYERS	A 12 35	35 .000	.000	.021		0 .000	.000	.000		0	0	32	0	0	0	75		
485		S 10 35	45 .000	.000	.027		0 .000	.000	.000		0	0	32	0	0	0	95		
	PUMP, GROUT (SEE KEY NO. 105)																		
495	PUMP, WATER, ENGINE DRIVE	A 10 20	90 .000	.091	.053		0 .000	.000	.000		0	32	38	0	0	0	80		
500	PUMP, WATER, ELECTRIC DRIVE	A 10 20	90 .900	.000	.000		0 .000	.000	.000		45	0	0	0	0	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	24	24	76	60	84	100			
540	SCRAPERS, STANDARD	A 10 15	60 .000	.000	.035	60 .000	.000	.035		0	0	27	59	33	65	60			
540		S 8 15	78 .000	.000	.046	78 .000	.000	.046		0	0	27	39	19	43	65			
542	SCRAPERS, TANDEM POWERED	A 10 15	62 .000	.000	.037	62 .000	.000	.037		0	0	25	59	33	65	65			
542		S 8 15	81 .000	.000	.048	81 .000	.000	.048		0	0	25	39	19	43	70			
	SCRAPERS, ELEVATING																		
545	0 THRU 200 HP	A 10 20	66 .000	.000	.039	66 .000	.000	.039		0	0	34	59	33	65	75			
545		S 8 20	86 .000	.000	.051	86 .000	.000	.051		0	0	34	39	19	43	80			
550	OVER 200 HP	A 10 20	66 .000	.000	.039	66 .000	.000	.039		0	0	24	59	33	65	65			
550		S 8 20	86 .000	.000	.051	86 .000	.000	.051		0	0	24	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	24	59	33	65	75			
560		S 8 20	86 .000	.000	.051	86 .000	.000	.051		0	0	24	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	18	18	0	0	0	70		
570		S 6 25	78 .000	.079	.046		0 .000	.000	.000		0	18	18	0	0	0	80		
585	OVER 1 CY THRU 2-1/2 CY	A 10 20	60 .000	.061	.035		0 .000	.000	.000		0	18	18	0	0	0	80		
585		S 8 20	78 .000	.079	.046		0 .000	.000	.000		0	18	18	0	0	0	90		
595	OVER 2-1/2 CY THRU 5 CY	A 12 15	60 .000	.061	.035		0 .000	.000	.000		0	18	18	0	0	0	90		
595		S 10 15	78 .000	.079	.046		0 .000	.000	.000		0	18	18	0	0	0	100		

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C LFE SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
			HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
600	OVER 5 CY	A 14 15	60 .000	.061	.035		0 .000	.000	.000		0 18	18	0	0	0	110	
600		S 12 15	78 .000	.079	.046		0 .000	.000	.000		0 18	18	0	0	0	110	
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	
<b>TRACTOR, CRAWLER TYPE</b>																	
615	0 THRU 225 HP	A 10 25	70 .000	.000	.041		0 .000	.000	.000		0 0	32	0	0	0	0	110
615		S 8 25	91 .000	.000	.054		0 .000	.000	.000		0 0	32	0	0	0	0	120
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	A 10 20	70 .000	.000	.041		0 .000	.000	.000		0 0	25	0	0	0	0	90
620		S 8 20	91 .000	.000	.054		0 .000	.000	.000		0 0	25	0	0	0	0	100
625	OVER 425 HP	A 12 15	70 .000	.000	.041		0 .000	.000	.000		0 0	22	0	0	0	0	90
625		S 10 15	91 .000	.000	.054		0 .000	.000	.000		0 0	22	0	0	0	0	100
630	TRACTOR, BLADES, PUSH BLOCKS,	A 10 20	0 .000	.000	.000		0 .000	.000	.000		0 0	0	0	0	0	0	80
630	PUSH PLATES & CLEARING BLADES	S 8 20	0 .000	.000	.000		0 .000	.000	.000		0 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 32	28	91	68	0	90	
650		S 8 20	85 .000	.086	.050		0 .000	.000	.000		0 32	28	77	48	0	100	
655	TRAILERS, BOTTOM DUMP AND	A 10 20	0 .000	.000	.000		0 .000	.000	.000		0 0	0	0	0	0	65	60
655	END DUMP	S 8 20	0 .000	.000	.000		0 .000	.000	.000		0 0	0	0	0	0	54	70
660	TRAILERS, FLATBED, LO-BOY AND TILT	A 10 35	0 .000	.000	.000		0 .000	.000	.000		0 0	0	0	0	0	65	50
<b>TRUCK ACCESSORIES FOR CHASSIS MOUNTING</b>																	
670	DUMP BODIES	A 8 20	0 .000	.000	.000		0 .000	.000	.000		0 0	0	0	0	0	0	70
670		S 6 20	0 .000	.000	.000		0 .000	.000	.000		0 0	0	0	0	0	0	80
675	ALL OTHER ACCESSORIES	A 8 20	65 .000	.066	.000		0 .000	.000	.000		0 32	0	0	0	0	0	70
<b>TRUCK, HIGHWAY</b>																	
690	0 THRU 10,000 GVW	A 6 25	15 .000	.015	.009		0 .000	.000	.000		0 32	28	41	29	0	70	
690		S 5 25	20 .000	.020	.012		0 .000	.000	.000		0 32	28	36	22	0	80	
695	OVER 10,000 THRU 30,000 GVW	A 8 25	35 .000	.035	.020		0 .000	.000	.000		0 32	28	49	39	0	60	
695		S 6 25	46 .000	.045	.026		0 .000	.000	.000		0 32	28	42	30	0	70	
705	OVER 30,000 GVW	A 8 25	50 .000	.052	.030		0 .000	.000	.000		0 32	28	51	38	57	60	
705		S 6 25	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	33	59	36	65	60	
720		S 10 15	52 .000	.000	.031		0 .000	.000	.000		0 0	33	39	21	43	70	
765	WAGON, BOTTOM & REAR DUMP	A 12 15	65 .000	.066	.038		0 .000	.000	.000		0 24	28	59	39	65	60	
765		S 10 15	85 .000	.086	.050		0 .000	.000	.000		0 24	28	39	22	43	70	
780	WAGON, WATER	A 12 25	65 .000	.066	.038		0 .000	.000	.000		0 24	28	73	55	81	60	
780		S 10 25	85 .000	.086	.050		0 .000	.000	.000		0 24	28	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	25	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

CATEGORY	0	1	2	3	4	YEAR PURCHASE NEW			1976	1975	1974	1973	1972
						1979	1978	1977					
AGE IN YEARS	5	6	7	8	9	10	11	12					
Air Equipment	1748	1708	1668	1563	1630	1521	1354	1295	1186	1165	1028	935	920
Asphalt & Concrete Paving Equipment	2592	2592	2620	2461	2296	2111	1941	1815	1686	1610	1451	1304	1263
Buckets	4463	4463	4541	4313	3879	3280	2963	2738	2520	2175	1838	1430	1370
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3349	3281	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260
Drills	2890	2850	2810	2602	2265	1993	1858	1699	1638	1559	1373	1249	1184
Generators	3372	3304	3236	3160	2817	2390	2301	2128	2053	1839	1456	1316	1283
Graders, Motor	3721	3641	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244
Loaders, Track	3929	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1281
Loaders, Wheel	3974	3881	3788	3441	2938	2606	2375	2156	2002	1907	1584	1362	1317
Pile Driving Equipment	3603	3521	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257
Rollers	4071	3751	3431	3199	2913	2653	2396	2139	1983	1872	1556	1328	1279
Scrapers and Soil Stabilizers	3721	3641	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244
Shovels, Backhoes & Hydraulic Excavators	3349	3281	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260
Tractors, Crawler & Attachments	3929	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1281
Tractors, Wheel	3584	3557	3530	3256	2927	2578	2319	2125	1956	1813	1498	1288	1251
Trenchers	4623	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527	1384	1316
Trucks, Highway	2940	2882	2824	2638	2324	2108	1934	1775	1646	1524	1369	1230	1211
Trucks & Wagons - Off Highway	3822	3742	3662	3363	2964	2588	2364	2196	2081	1965	1568	1315	1293
All Other Equipment	3603	3521	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257
All Tires & Tubes	2454	2454	2552	2506	2369	2055	1792	1699	1615	1485	1334	1114	1092

## APPENDIX F

### TIRE LIFE AND TIRE WEAR FACTORS

F-1. The tire wear factors used in this pamphlet are listed in APPENDIX D. Using the methods and tables in "Production and Cost Estimating of Material Movement with Earthmoving Equipment" by Terex Division of General Motors, (dated September 1975), the "useful life" of a new tire is the product of factors from Group A through Group G multiplied by the appropriate maximum tire life from TABLE F-1. A sample computation of the tire wear factors for off-highway haul units is given below.

No.	Condition	Factor	
		Average	Severe
A	Maintenance	1.00	1.00
B	Speeds	0.80	0.85
C	Curves	1.00	0.90
D	Surface Condition	0.90	0.70
E	Loads	0.90	0.80
		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
<hr/>			
<b>FINAL TIRE WEAR FACTORS</b>			
	Trailing (T-Tire)	0.65	0.43
	Front (F-Tire)	0.58	0.39
	Driver (D-Tire)		
	(Rear Dump)	0.39	0.22
	(Bottom Dump)	0.39	0.22
	(Self-Propelled Scrapers)	0.33	0.19

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

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TABLE F-1. Maximum Tire Life.

Bias Ply Tires:

Off-highway E4, L4, & L5	7,000 Hours
All other bias ply tires	5,000 Hours

Radial Ply Tires:

Off-highway RL4	8,300 Hours
All other radial ply tires	6,000 Hours

APPENDIX G  
EQUIPMENT EXTRAS

In addition to features required for safety, the following extras have been included with the major equipment listed in this pamphlet when they are not included with the basic cost and are offered by the manufacturer:

(1) Crane, Crawler-Mounted.

- (a) Power load lowering.
- (b) Independent swing and travel.
- (c) Third drum.
- (d) Torque converter (Machines 25 ton or larger.)
- (e) One-half maximum boom length (Machines 60 ton or smaller.)
- (f) Maximum boom length (Machines larger than 60 ton.)
- (g) Counterweight.

(2) Dragline and Clamshell, Crawler-Mounted.

- (a) Power load lowering.
- (b) Independent swing and travel.
- (c) Third drum.
- (d) Torque converter (Machines 1-1/2 C.Y. or larger.)
- (e) Approximately one-half maximum boom length.
- (f) Counterweight.

(3) Backhoe and Shovel, Crawler-Mounted.

- (a) Power load lowering.
- (b) Torque converter (Machines 1-1/2 C.Y. or larger.)
- (c) Counterweight.

(4) Truck Crane Less than 25 Ton.

- (a) Power load lowering.
- (b) Third drum.
- (c) Mechanical outriggers w/screw jacks.
- (d) Power steering.
- (e) Maximum boom length.
- (f) Counterweight.

(5) Truck Crane 25 Ton and Larger.

- (a) Power load lowering.
- (b) Third drum.
- (c) Hydraulic outriggers w/screw jacks.
- (d) Torque converter when available (upper only).
- (e) Power steering.
- (f) Diesel engines.
- (g) Maximum boom length.
- (h) Counterweight.

(6) Excavators, Hydraulic.

- (a) Backhoe bucket (standard).
- (b) Backhoe stick (medium length).
- (c) Backhoe boom (one piece).
- (d) Backhoe bucket linkage (includes cylinder).
- (e) Guards.
- (f) Counterweight.
- (g) Alternator (heavy-duty) and lights.
- (h) Tool kit.

(7) Grader.

- (a) Enclosed operators' cab.
- (b) Scarifier.
- (c) Front wheel lean.
- (d) Power circle.
- (e) Hydraulic shift and tilt moldboard.
- (f) End bits.
- (g) Alternator (heavy-duty) and lights.
- (h) Tool kit.

(8) Belt Loader.

- (a) Power unit.
- (b) Head pulley clutch and backstop.
- (c) Belt cleaner and belt installing equip.
- (d) King pin attachment.

(9) Loader 1-1/2 C.Y. and Larger.

- (a) Reversible fan blade.
- (b) Guard, power train.
- (c) Automatic bucket positioner.
- (d) Counterweight.
- (e) Rock buckets (Machines 4 C.Y. or larger.)
- (f) Alternator (heavy-duty) and lights.
- (g) Tool kit.

(10) Scraper.

- (a) Control single lever.
- (b) Reversible fan blade.
- (c) Flood light.
- (d) Alternator (heavy-duty) and lights.
- (e) Guards, power train.
- (f) Tool kit.

(11) Tractor, Crawler.

- (a) Hydraulic controls for ripper and blade.
- (b) Guards.
- (c) Reversible fan blade.
- (d) Alternator (heavy-duty) and lights.
- (e) Hook, front pull.
- (f) Track Grousers (Severe service for units over 200 hp.)
- (g) Blades include counterweights where required.
- (h) Tool kit.

(12) Tractor, Wheel Dozer.

- (a) Hydraulic controls for ripper and blade.
- (b) Guards.
- (c) Reversible fan blade.
- (d) Alternator (heavy-duty) and lights.
- (e) Blade.
- (f) Counterweight.
- (g) Tool kit.

(13) Trucks, Off-Highway.

- (a) No-spin differential.
- (b) Tacograph.
- (c) Engine and transmission guards.
- (d) Body liners.
- (e) Tool kit.