

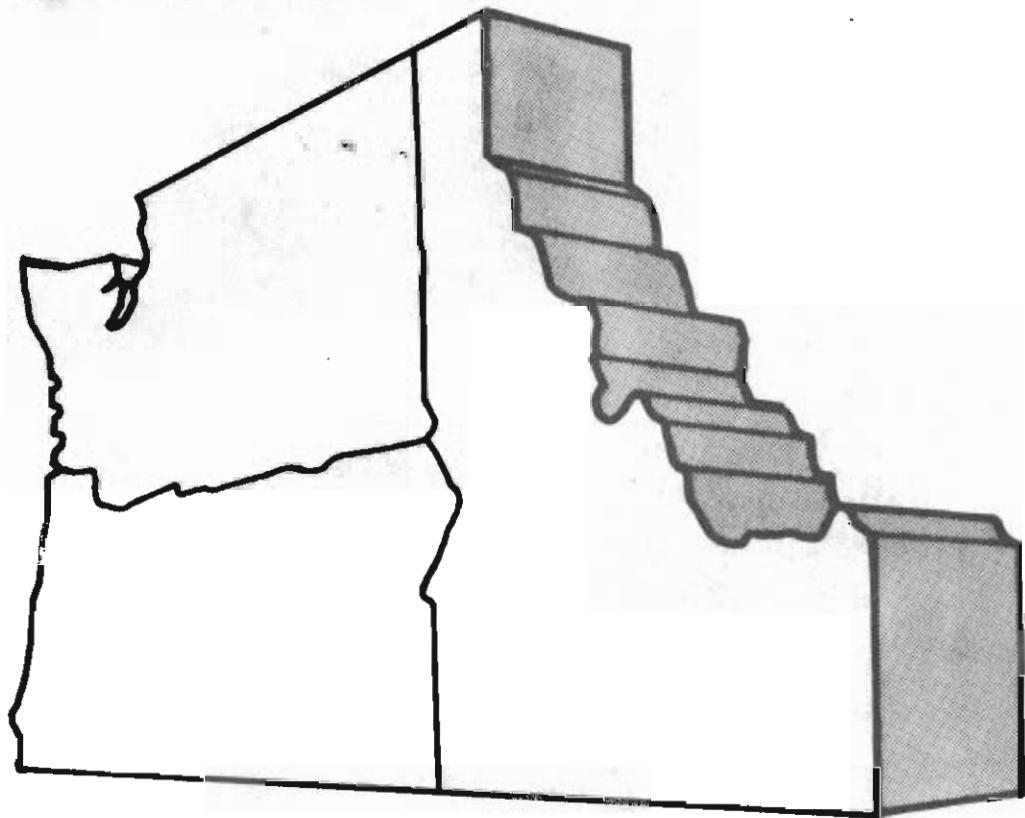


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Office of the Chief  
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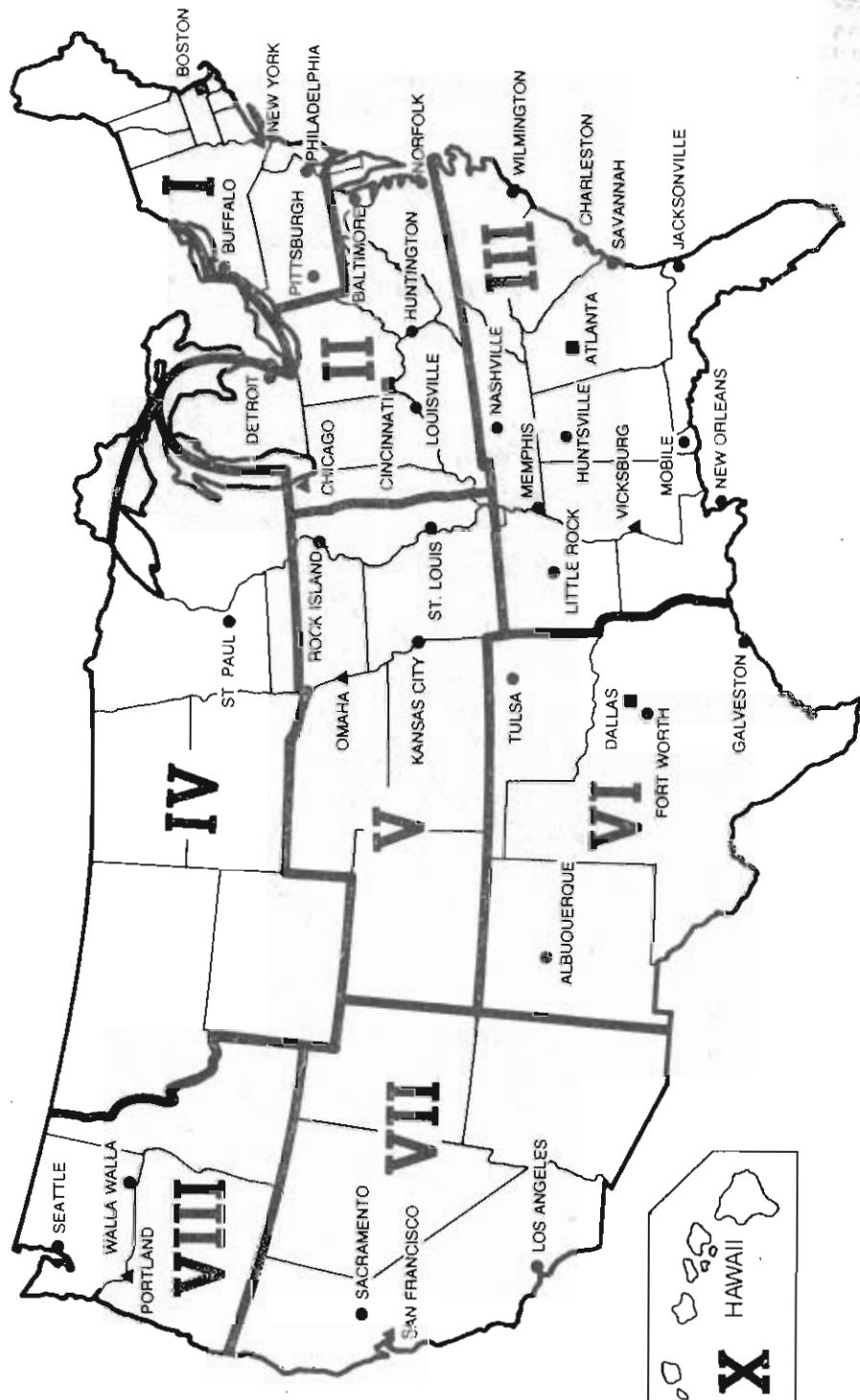
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EP 1110-1-8  
Volume 8  
June 1983

# **Construction Equipment Ownership and Operating Expense Schedule**

## **Region VIII**



# Regions for the Construction Equipment Ownership and Operating Expense Schedule



DAEN-CWE-BA  
DAEN-ECE-S

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

EP 1110-1-8  
Volume 8

Pamphlet  
No. 1110-1-8

1 June 1983

Engineering and Design  
CONSTRUCTION EQUIPMENT OWNERSHIP  
AND OPERATING EXPENSE SCHEDULE

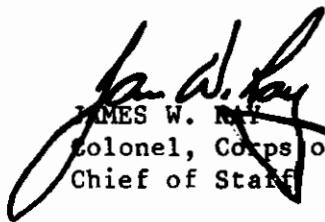
1. Purpose. This pamphlet establishes predetermined equipment ownership and operating expense rates for use in preparation of estimates and in pricing negotiated procurements requiring independent Government estimates.

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

Idaho  
Oregon  
Washington

3. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead, or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 1981. The percentages for marine equipment provide an allowance for ownership expenses only. This pamphlet will be updated annually or more frequently if necessary.

FOR THE COMMANDER:



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

DAEN-CWE-BA  
DAEN-ECE-S

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EP 1110-1-8  
(Vol. 8)

Engineer Pamphlet  
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## CHAPTER 1

### INTRODUCTION

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

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

Idaho  
Oregon  
Washington

1-3. References. See APPENDIX A.

1-4. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead, or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 1981. The percentages for marine equipment provide an allowance for ownership expenses only. This pamphlet will be updated annually or more frequently if necessary.

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

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

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

## CHAPTER 2

### METHODOLOGY

2-1. General. This pamphlet provides hourly use rates for construction equipment and annual ownership percentages for marine plant and equipment. The methodology used to compute the hourly use rates for construction equipment is provided in paragraph 2-2. The methodology used to compute the annual ownership percentages for marine equipment is provided in paragraph 2-3.

#### 2-2. Construction Equipment.

a. General. The total hourly rates include all costs of owning and operating equipment except operating labor and overhead expenses. The ownership portion of the rate consists of allowances for depreciation and cost of facilities capital. Operating costs include allowances for: fuel; filters, oil and grease; servicing the equipment; repair and maintenance; and tire wear and tire repair. Area factors used to compute the hourly equipment ownership and operating expenses are provided in APPENDIX B.

##### b. Operating Conditions.

(1) Equipment rates have been computed for both "Average" and "Severe" working conditions in accordance with the "Guide for Selecting Operating Conditions" in APPENDIX C. "Difficult" conditions are the arithmetic mean of "Average" and "Severe" rates. Where only the "Average" rate is shown, the one rate will apply for all conditions.

(2) Average, difficult, or severe conditions in accordance with contract specifications are determined by the Contracting Officer on the basis of supporting evidence and in general accordance with the "guide" in APPENDIX C. Difficult conditions are those lying midway between average and severe. Evaluation of operating conditions for equipment not listed in APPENDIX C will be consistent with the examples shown in the "guide."

c. Ownership Costs. The ownership portion of the rate consists of allowances for depreciation and cost of facilities capital and is computed from a predetermined "equipment cost." "Equipment cost" is based on the total catalog price for the equipment, including extras normally purchased, and required safety features. A 7.5 percent discount is taken for all

equipment except highway trucks which are discounted 17.5 percent. Freight and sales tax are added to the discounted price to arrive at the predetermined "equipment cost."

(1) Depreciation.

(a) Depreciation was computed using the straight-line method. The hourly rate was determined by dividing the "Depreciation Value" ("equipment cost" less tire cost and estimated salvage) by the expected normal life of the equipment in hours.

(b) Salvage value for the used equipment was determined from the "Handbook of New and Used Construction Equipment Values" (Green Guide) and advertisements of used equipment for sale displayed in current engineering and construction magazines. The salvage value percentages used for each type of equipment are listed in APPENDIX D (column "SLV") as a percent of the "equipment cost" and are equal for both "Average Condition" and "Severe Condition." The percentages are adjusted by the economic adjustment factor (EAF) to bring the salvage value up to current price levels. The EAF factor is obtained from APPENDIX E and is equal to the economic index for the current year divided by the economic index for the year the equipment was manufactured. The ownership costs shown in TABLE 3-1 represent the hourly costs for new equipment manufactured and purchased in 1981.

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

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

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

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

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

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

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

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

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

d. Operating Cost.

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

(2) Fuel Consumption Cost.

(a) The fuel consumption in gallons per BHP-hour is listed TABLE 3-1 for both "Average" and "Severe" conditions. The consumption rate for "Severe Conditions" is 30 percent greater than the "Average Conditions" rate. Fuel consumption is tested by using the following formula:

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

..

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

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

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

(4) Gasoline wt = 6.1 lbs per gallon

(5) Diesel wt = 7.1 lbs per gallon

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

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

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

(e) The estimated hourly fuel costs included in TABLE 3-1 are also noted separately for both average and severe conditions. Hourly fuel costs will be adjusted in the event the averaged (weighted) fuel prices (F.O.B. jobsite) vary by more than 10 percent above or below the price assumed in the basic computation. For example, if the price per gallon should increase by 15 percent, then 15 percent of the hourly fuel cost will be added to the total hourly rate. The Contractor will be required to furnish copies of all fuel supply contracts and invoices to the Government. Request for upward adjustment in the rates will be considered only where fuel is to be supplied by recognized distributors.

(3) Filters, Oil and Grease Costs (FOG). "FOG" costs computed as either a percentage of the hourly fuel costs (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 crawler tractors, backhoes, and shovels (except self-propelled hydraulic cranes) has been reduced to allow for servicing normally performed by the oiler assigned to the piece of equipment.

(4) Maintenance and Repair Costs.

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

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

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

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

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

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

(5) Hourly Tire Cost.

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

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

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

sample computation of the tire wear factors for off-highway haul units is given in APPENDIX F.

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

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

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

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

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

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CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET <small>(EP 1110-1-8)</small>	
1. <u>REQUIRED DATA</u> (Since this request for information is to less than ten persons, OMB approval under Section 3507, 44 USC, is not required.)	
a. Unit Number <u>3105</u>	
(1) Equipment Description <u>Lorain Truck Crane 50-Ton</u>	
(2) Model and Series <u>MC-550 A W/16' Boom</u>	
(3) Year Purchased <u>1981</u>	(4) Year Manufactured <u>1981</u>
(5) Equipment Horsepower <u>115</u>	(6) Carrier Horsepower <u>246</u>
(7) Fuel Type <u>Diesel/Diesel</u>	(8) Shipping Weight <u>111,100 lbs.</u>
(9) Tire Size: Front- <u>140x20 18PR</u> Drive- <u>140x20 18PR</u> Trailing- <u>N/A</u>	
b. Key Number from APPENDIX D <u>225</u>	
(1) Condition <u>Average</u>	
(2) Salvage Value % <u>20</u>	(3) Life <u>18,000 hrs.</u>
(4) Equipment Fuel Factor <u>.038</u>	(5) Carrier Fuel Factor <u>.006</u>
(6) FOG Factor: Gas <u>N/A</u>	Diesel <u>.26</u> Electric <u>N/A</u>
(7) Tire Wear Factor: Front <u>.97</u>	Drive <u>.78</u> Trailing <u>N/A</u>
(8) Repairs Cost Factor <u>.60</u>	
2. <u>EQUIPMENT COST</u>	
a. List Price Year of Manufacture (including extras)	<u>-\$ 319,655.00</u>
(1) Discount: (List Price) x *7.5% *(17.5% for Highway Trucks)	<u>= (\$ 319,655.00) x *.075</u> <u>= (-) \$ 23,974.13</u>
(2) Freight: (Shipping Weight) x (Prep. and Del. Rate) From 1-a-(8) From APPENDIX B	<u>= (111 cwt.) x (\$ 7.87)</u> <u>= (+) \$ 8,743.57</u>
b. Subtotal: Summation of Part a. (Use actual cost when available)	<u>= \$ 304,424.44</u>
(1) State Sales Tax: (Subtotal) x (Tax Rate) From 2-b	<u>= (\$ 304,424.44) x (.03)</u> <u>= (+) \$ 9,132.73</u>
c. Equipment Cost: Summation of Part b. (Use actual cost when available)	<u>= \$ 313,557.17</u>

Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

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

$$= (\underline{18,000} \text{ Hrs}) + (\underline{1,600} \text{ Hrs/Yr})$$

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

$$= (\underline{3372}) + (\underline{3009})$$

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

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

.224 (S)6. OWNERSHIP COSTS

## a. Depreciation:

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

$$= [(\underline{\$ 313,557}) \times [1.0 - (\underline{.224})] - (\underline{\$ 844})] + (\underline{18,000} \text{ Hr}) = \underline{\$ 13,051/\text{Hr.}}$$

## b. Cost of Facilities Capital (CFC):

Life  
(1) [(From) - 1.0] x [(S From) + 1.0] + 2.0] + [(From) x 2.0]  
3 5 3

$$= [((\underline{11.25} \text{ Yrs}) - 1.0) \times [(\underline{.224}) + 1.0] + 2.0] + [(\underline{11.25} \text{ Yrs}) \times 2.0] = \underline{.6465}$$

Equipment Average CPC Factor Hrs Use/  
(2) (Cost From) x (Value Factor) x (From Para. 1) + (Yr From )  
2-c From 6-b-(1) 2-2.c.(2) APP. B

$$= (\underline{\$ 313,557}) \times (\underline{.6465}) \times (\underline{.49}) + (\underline{1,600} \text{ Hrs/Yr}) = \underline{\$ 1140/\text{Hr.}}$$

## c. Total Hourly Ownership: (Sum 6-a + 6-b-(2))

 $\$ 24.45/\text{Hr.}$ 

Figure 2-1. (Continued)

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

**7. OPERATING COSTS**

a. Fuel Costs:

(1) Equipment: (Equipment Fuel Factor) x (H.P. From) x (Fuel Cost)  
From 1-b-(4) 1-a-(5) Per Gal.  
 $= (.038) \times (115 \text{ HP}) \times (\$1.03/\text{Gal}) = \$4.50/\text{Hr.}$

(2) Carrier: (Carrier Fuel Factor) x (H.P. From) x (Fuel Cost)  
From 1-b-(5) 1-a-(6) Per Gal.  
 $= (.006) \times (246 \text{ HP}) \times (\$1.20/\text{Gal}) = \$1.77/\text{Hr.}$

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2))  $= \$6.27/\text{Hr.}$

b. FOG Costs:

(1) Equipment: (FOG Factor) x (Hourly Fuel Cost)  
From 1-b-(6) From 7-a-(1)  
 $= (.26) \times (\$4.50/\text{Hr}) = \$1.17/\text{Hrs.}$

(2) Carrier: (FOG Factor) x (Hourly Fuel Cost)  
From 1-b-(6) From 7-a-(2)  
 $= (.26) \times (\$1.77/\text{Hr}) = \$0.46/\text{Hr.}$

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2))  $= \$1.63/\text{Hr.}$

c. Repairs Cost:

(1) Repair Factor:  
(Repairs Cost Factor) x (EAF) x (LAF From)  
From 1-b-(8) From 4 APP. B  
 $= (.60) \times (1.12) \times (1.03) = .6928$

(2) Hourly Repairs:  
Equipment Life  
[(Cost From) - (Tire Cost)] x (Repair Factor) + (From )  
2-c Yr. of Mfg. From 7-c-(1) 1-b-(3)  
 $= [(\$313,557) - (\$8,414)] \times (.6928) / (18,000\text{ Hr}) = \$11.74/\text{Hr.}$

Figure 2-1. (Continued)

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

**d. Tire Wear Costs (Current Price Levels):**

$$(1) \text{Front Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Ftr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad \text{Front} \quad \text{F-Tire} \quad \text{Max Tire} \\ 1-b-(7) \quad \text{Tbl F-1}$$
$$= 1.5 \times (\underline{\$ 2,892}) + [1.8 \times (\underline{.77}) \times (\underline{5,022 \text{Hr}})] = \$ \underline{1,50} / \text{Hr.}$$

$$(2) \text{Drive Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Ptr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad \text{Drive} \quad \text{D-Tire} \quad \text{Max Tire} \\ 1-b-(7) \quad \text{Tbl F-1}$$
$$= 1.5 \times (\underline{\$ 5,784}) + [1.8 \times (\underline{.78}) \times (\underline{5,022 \text{Hr}})] = \$ \underline{1.24} / \text{Hr.}$$

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

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

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

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

f. Total Operating Costs: ( $\text{Sum 7-a thru 7-e)}$  = \$ 21.64 / Hr.

**8. TOTAL HOURLY RATES**

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

$$(\text{Ownership Costs Frm 6-c}) + (\text{Operating Costs Frm 7-f})$$
$$= (\underline{\$ 24.45 / \text{Hr}}) + (\underline{\$ 21.64 / \text{Hr}}) = \$ \underline{46.09} / \text{Hr.}$$

b. Hourly Rate for Other Work Shifts:

$$(\text{Depreciation}) + [(\text{CPC Frm}) \times 40 + (\text{Work Hrs})] + (\text{Operating Costs}) \\ \text{From 6-a} \quad \text{6-b-(2)} \quad \text{Per Week} \quad \text{Frm 7-f}$$
$$= (\underline{\$ 13.05 / \text{Hr}}) + [(\underline{\$ 11.40 / \text{Hr}}) \times 40 + (\underline{60 \text{ Hr/Wk}})] + (\underline{\$ 21.64 / \text{Hr}}) = \$ \underline{42.29} / \text{Hr.}$$

c. Hourly Standby Rate:

$$(\text{Depreciation}) \times 0.25 + (\text{CPC Frm})$$
$$\text{From 6-a} \quad \text{6-b-(2)}$$
$$= (\underline{\$ 13.05 / \text{Hr}}) \times 0.25 + (\underline{\$ 11.40 / \text{Hr}}) = \$ \underline{14.66} / \text{Hr.}$$

Figure 2-1. (Continued)

2-3. Marine Equipment.

a. General. Hourly use rates for ownership and operating costs have not been developed for marine equipment since this type of equipment is normally custom designed and built. This section, however, presents the methodology for determining the ownership expense expressed as a percent of equipment value, which is defined as the actual acquisition cost plus any capital improvements. The annual percentages are shown in TABLE 2-1 for various types of equipment. When a type of equipment is not listed, the ownership expense percent may be determined by using the percentage listed for a similar type with the same expected life. Hourly ownership and operating expenses for any land-based equipment involved with the operation will be based on the methodology herein for construction equipment.

b. Ownership Cost. Ownership cost is based on the equipment value and equals the cost of depreciation plus facilities capital. When cost or pricing data is available, the actual equipment value shall be used. Otherwise, the value of a similar piece of equipment may be used and, if necessary, adjusted so that capacity, size, and horsepower are properly considered.

(1) Depreciation. Depreciation was computed using the straight-line method. The annual rate is determined by dividing the depreciable value by the expected normal life of the equipment in years. When the actual age of a piece of equipment exceeds the normal life, one year shall be added to the actual age and the depreciation shall be recomputed. The depreciable value is the acquisition cost, plus any capital improvements, less estimated salvage. Costs for drydocking and major repairs, which occur periodically, are considered a part of operating costs and will be allocated on an equal annual basis over the years between such occurrences, in accordance with paragraph 15-205.20 of DAR.

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

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

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

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

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

(5) The expected life shown in TABLE 2-1 for shore pipeline and floating pipeline is based on average dredging conditions. When more severe conditions are encountered, such as the dredging of very abrasive sand or rock, the expected life should be decreased. Similarly when better than average conditions are encountered, such as dredging mud or silt, the expected life should be increased. In either case, the adjustment should be made only for the time required to dredge the exceptional material. When the dredged material is a combination of various types, a weighted average should be estimated and the expected life adjusted accordingly. The repair of pipelines during the economic life is considered a part of operating costs.

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

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

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

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

## CHAPTER 3

### RATE SCHEDULE

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

3-2. Hourly Equipment Ownership and Operating Expense.

a. Description.

(1) The following example illustrates how the equipment is listed in TABLE 3-1. The unit number 3060 is the identifying number of this piece of equipment in the input and output computer listings. The number 5530 is the model number of the equipment (American Model 5530 Truck Crane). The crane is rated at 75 tons and is equipped with a 170-foot boom. The crane has a 115-horsepower engine, the carrier has a 238-horsepower engine and both engines are diesel. The cost column reflects the pre-determined "equipment cost," used to compute the rates.

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

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

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

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

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

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

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

h. Rate Adjustment Tables. The rate adjustment tables (TABLES 3-2, 3-3 and 3-4) should be used to adjust the hourly rates in TABLE 3-1 when the actual age of the equipment and working hours are to be considered. These tables may be used whenever information is available to indicate that the contractor's equipment is not the same age as the equipment listed in this pamphlet or when the hours worked have exceeded 40 hours per week. The rate adjustment tables have been developed from the equations used to calculate ownership and standby costs and it has been determined that they provide

reasonable adjustment factors to allow a short-cut method for computing an hourly use rate when actual conditions are considered. When cost or pricing data is available the rate adjustment tables may be used in lieu of a step-by-step rate computation for each item of equipment, provided that the equipment is equivalent in size, capacity, horsepower, etc. to the item listed in the pamphlet.

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

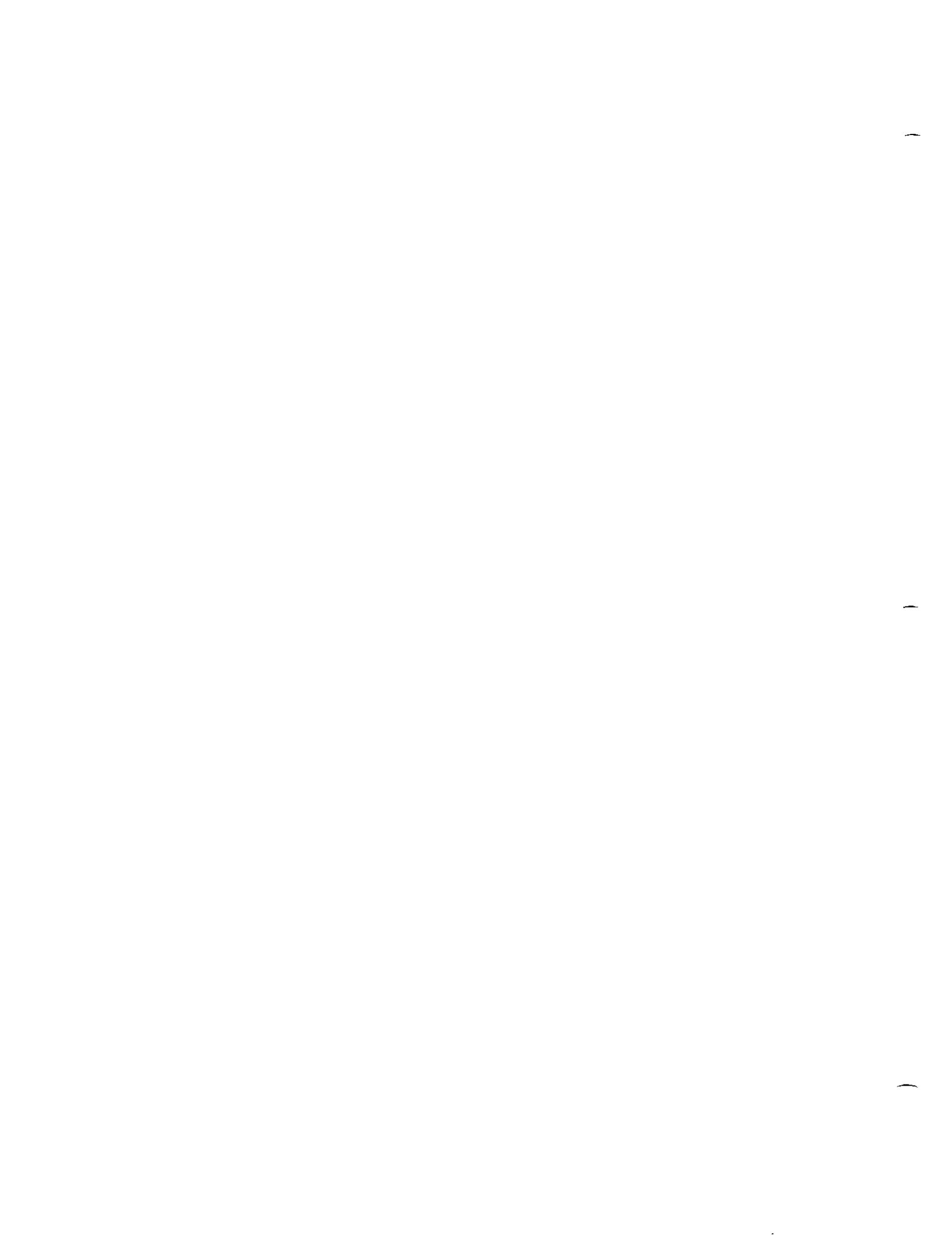


TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

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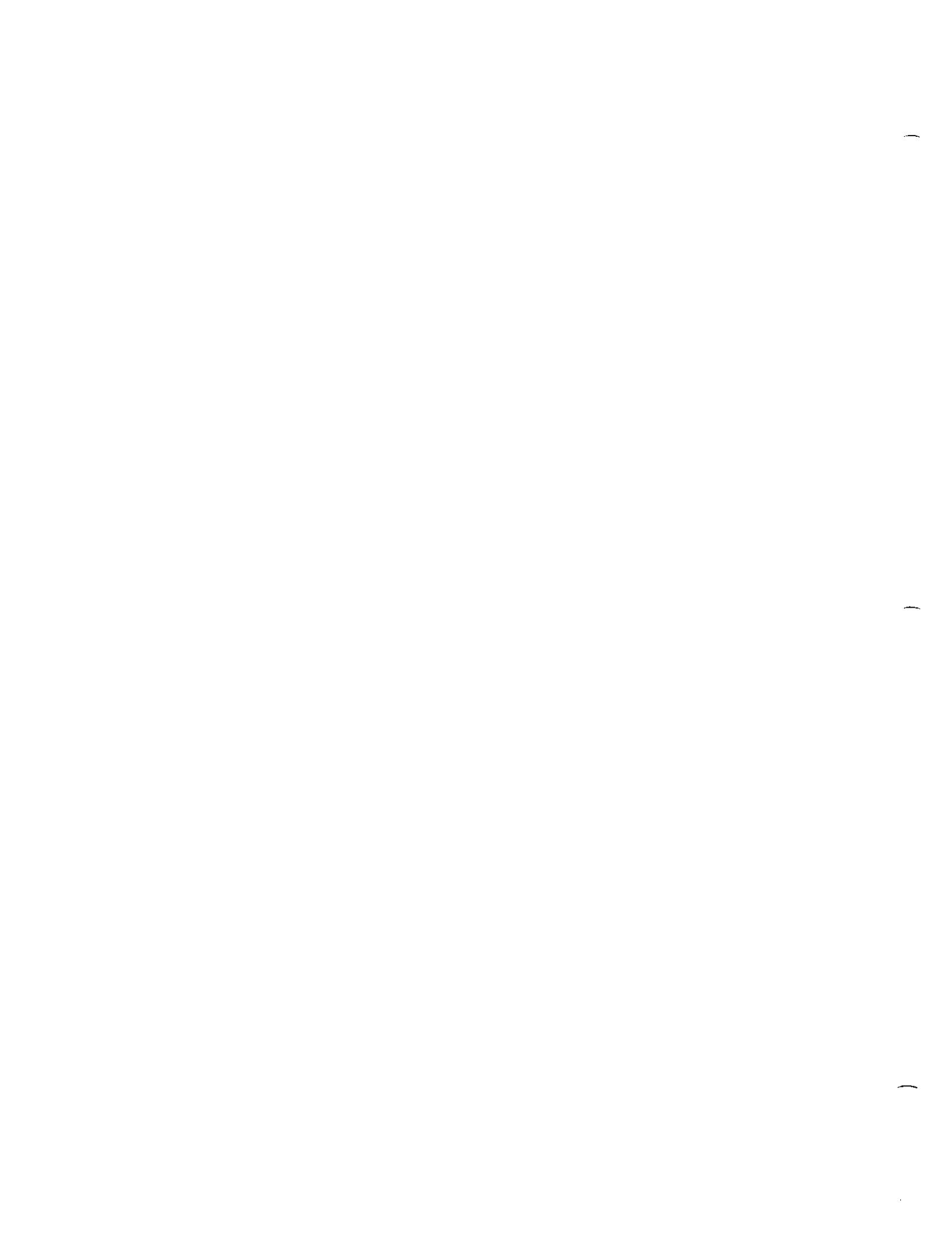


TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-	AVERAGE COND.		SEVERE COND.							
					AVERAGE	SEVERE	BY OWNER-	FUEL OWNER-						
AGGREGATE SPREADER														
*****														
ETNYRE - SELF-PROPELLED														
1010	SPREAD TO 8" DEPTH & 10' WIDE	187 HP G	47,879	24.71			2.72	5.43	12.00	155				
1015	SPREAD TO 8" DEPTH & 13' WIDE	143 HP D	53,392	16.02			3.03	6.06	4.42	160				
AIR COMPRESSORS, PORTABLE														
*****														
(HOSE NOT INCLUDED)														
VOCARY SCREW														
*****														
1030	SIZE 85 CFM QUIET 100 PSI	43 HP G	9,118	6.59			0.52	1.00	3.66	21				
1035	SIZE 85 CFM QUIET 100 PSI	38 HP D	10,791	3.98			0.61	1.18	1.49	24				
1040	SIZE 100 CFM QUIET 100 PSI	50 HP G	11,343	7.81			0.65	1.25	4.26	20				
1045	SIZE 100 CFM QUIET 100 PSI	44 HP D	13,621	4.83			0.78	1.51	1.72	26				
1050	SIZE 125 CFM QUIET 100 PSI	70 HP G	13,878	10.54			0.80	1.53	5.96	24				
1055	SIZE 125 CFM QUIET 100 PSI	51 HP D	14,765	5.41			0.84	1.63	2.00	20				
1060	SIZE 150 CFM QUIET 100 PSI	70 HP G	15,146	10.79			0.87	1.67	5.96	26				
1065	SIZE 150 CFM QUIET 100 PSI	69 HP D	17,176	6.77			0.99	1.90	2.70	28				
1070	SIZE 185 CFM QUIET 100 PSI	70 HP G	15,637	10.88			0.89	1.72	5.96	27				
1075	SIZE 185 CFM QUIET 100 PSI	69 HP D	18,429	7.01			1.05	2.03	2.70	29				
1080	SIZE 275 CFM QUIET 100 PSI	94 HP D	27,544	10.02			1.57	3.04	3.68	55				
1085	SIZE 340 CFM QUIET 100 PSI	103 HP D	34,219	11.78			1.95	3.73	4.03	79				
1090	SIZE 450 CFM QUIET 100 PSI	152 HP D	44,254	16.17			2.52	4.84	5.95	89				
1095	SIZE 600 CFM QUIET 100 PSI	175 HP D	59,528	20.27			3.39	6.55	6.85	97				
1100	SIZE 750 CFM QUIET 100 PSI	228 HP D	69,126	24.78			3.94	7.60	8.92	126				
1105	SIZE 825 CFM QUIET 100 PSI	250 HP D	78,558	27.69			4.48	8.64	9.78	130				
1110	SIZE 900 CFM QUIET 100 PSI	270 HP D	86,114	30.16			4.92	9.49	10.57	148				
1115	SIZE 1000 CFM QUIET 100 PSI	283 HP D	96,389	32.78			5.50	10.62	11.08	186				
1120	SIZE 1200 CFM QUIET 100 PSI	325 HP D	115,132	38.50			6.58	12.71	12.72	196				
1125	SIZE 1600 CFM QUIET 100 PSI	456 HP D	130,133	47.96			7.43	14.35	17.85	216				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				G/T			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
AIR EQUIPMENT <small>EXCLUDING PUMPS</small> <small>(LOS. NOT INCLUDED)</small>												
CLEI CO - SANDBLASTERS												
1140	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,309	0.94		0.12	0.31	0.00		3			
1145	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,440	1.71		0.23	0.58	0.00		5			
1150	SCWE-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,471	1.73		0.23	0.59	0.00		6			
1155	SCWB-2452HFSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	2,748	1.97		0.25	0.65	0.00		7			
1160	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	3,652	2.59		0.34	0.87	0.00		9			
1165	HOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 6-TONS W/2 NOZZ. & 50' HOSE	10,625	7.30		0.96	2.45	0.00		28			
1170	HOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	12,936	8.77		1.15	2.90	0.00		45			
1175	HOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 6-TONS W/4 NOZZ. & 50' HOSE	16,057	10.97		1.43	3.63	0.00		53			
GARDNER DENVER - TOOLS												
1185	SPADER SP27E	32CFM A	922	0.68		0.09	0.22	0.00	1			
1190	SINKER DRILL S65	98CFM A	2,013	1.46		0.19	0.48	0.00	1			
1195	PAVING BREAKER B37	41CFM A	945	0.69		0.09	0.22	0.00	1			
1200	PAVING BREAKER B67C	46CFM A	1,013	0.74		0.09	0.24	0.00	1			
1205	PAVING BREAKER B87C	50CFM A	1,101	0.80		0.10	0.26	0.00	1			
1210	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,694	2.61		0.34	0.87	0.00	1			
MASTER - CONCRETE VIBRATORS												
1220	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	1,790	1.88		0.17	0.43	0.00	1			
1225	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,152	1.23		0.11	0.27	0.00	1			
1230	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,035	1.08		0.09	0.24	0.00	1			
1235	CONCRETE VIBR. MOD A-30010 3"	64CFM A	935	0.97		0.09	0.22	0.00	1			
1240	CONCRETE VIBR. MOD A-25010 2.5"	40CFM A	735	0.77		0.07	0.17	0.00	1			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE COND.		SEVERE COND.							
					AVERAGE OWNER-SHIP	FUEL OWNER-SHIP	AVERAGE FUEL	SEVERE FUEL						
ASPHALT DISTRIBUTOR - ROSCO														
*****														
(NO CHASSIS)														
1250	MOD RES 1000 GAL. TRUCK MOUNTED 18,000 TO 24,000 GVW REQUIRED	50 HP G	23,928	10.53		1.37	2.56	4.26						
1255	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GVW REQUIRED	50 HP G	24,827	10.72		1.42	2.66	4.26						
1260	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GVW REQUIRED	50 HP G	26,685	11.09		1.52	2.85	4.26						
1265	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GVW REQUIRED	50 HP G	30,795	11.93		1.76	3.29	4.26						
ASPHALT FINISHERS														
*****														
SPW=STANDARD PAVING WIDTH														
LARBER-GREENE														
1275	MOD SB111 8' SPW (PNEUMATIC)	70 HP D	81,266	21.08		4.62	8.90	2.74						
1280	MOD SB131 10' SPW (PNEUMATIC) W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	95 HP D	117,999	30.41		6.66	12.73	3.72						
1285	MOD SB140 10' SPW (PNEUMATIC) OPTIONS SAME AS MOD SB131	130 HP D	134,682	35.81		7.61	14.55	5.09						
1290	MOD SA150 10' SPW (CRAWLER) OPTIONS SAME AS MOD SB131	130 HP D	162,102	41.37		9.28	18.03	5.09						
BLAW-KNOX														
1300	MOD PF-22 5' SPW (PNEUMATIC)	30 HP D	41,569	10.53		2.34	4.47	1.17						
1305	MOD PF-35 6' SPW (PNEUMATIC)	44 HP D	60,402	15.28		3.42	6.56	1.72						
1310	MOD PF-115 8' SPW (PNEUMATIC)	58 HP D	82,353	20.76		4.66	8.96	2.27						
1315	MOD PF-120H 8' SPW (PNEUMATIC)	87 HP D	99,232	25.97		5.58	10.64	3.41						
1320	MOD PF-180H 10' SPW (PNEUMATIC)	107 HP D	115,280	30.49		6.48	12.35	4.19						
1325	MOD PF-220 12' SPW (PNEUMATIC)	148 HP D	161,008	42.71		9.01	17.07	5.79						
1330	MOD PF-400 10' SPW (CRAWLER)	76 HP D	107,128	26.84		6.13	11.91	2.97						
1335	MOD PF-500 10' SPW (CRAWLER)	107 HP D	130,779	33.49		7.49	14.55	4.19						

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				GWT	
			CONDITION		STAND-BY	AVERAGE OWNER- SHIP	COND.	SEVERE OWNER- SHIP		
			AVERAGE	SEVERE						
<b>ASPHALT-KETTLES - ROSCO</b>										
1345	MOD KB 110 CAL. TRAILER MOUNTED	3,438	1.74		0.22	0.44	0.00		13	
1350	MOD KD 225 GAL. TRAILER MOUNTED	4,001	1.98		0.25	0.51	0.00		16	
<b>ASPHALT RECYCLER - BOMAG</b>										
1360	MOD AR-6 TRAILER MOUNTED	8 HP G	9,353	4.61		0.58	1.20	0.68	21	
<b>BROOMS - N-B</b>										
1370	MOD 53T HYD. 7 FT. TOWED MECH DRIVE W/SPRINKLER	5,492	1.30		0.32	0.61	0.00		24	
1375	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	30 HP G	7,337	4.66		0.42	0.81	2.55	30	
1380	MOD MT. 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		2,503	0.68		0.15	0.28	0.00	10	
1385	MOD HT. 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		4,174	0.95		0.24	0.46	0.00	14	
<b>BRUSH-CHIPPERS - FITCHBERG</b>										
1395	MOD TWC-612 CAP. TO 6" DIA. LOG 151 HP G	10,543	14.14		0.60	1.21	6.96		40	
1400	MOD TWC-915 CAP. TO 9" DIA. LOG 165 HP G	12,081	15.57		0.69	1.39	9.79		42	
1405	MOD PT-540 CAP. TO 6" PTO/DRIVE		5,161	1.38		0.30	0.60	0.00	15	
<b>BUCKETS, CLAMSHELL</b>										
ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE										
1415	.75 C.Y.		9,098	1.78	2.27	0.52	1.05	0.00	33	
1420	1.0 C.Y.		10,660	2.08	2.67	0.61	1.23	0.00	43	
1425	1.5 C.Y.		15,687	3.07	3.93	0.90	1.81	0.00	65	
1430	2.0 C.Y.		17,736	3.47	4.44	1.02	2.05	0.00	72	
1435	2.5 C.Y.		23,114	4.53	5.79	1.33	2.68	0.00	94	
1440	3.0 C.Y.		24,477	4.79	6.13	1.41	2.83	0.00	99	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>BUCKETS, CLAMSHELL (CONT'D)</b>														
<b>ESCC - MODEL GPS GEN PURPOSE &amp; SQUARE NOSE (CONT'D)</b>														
1445	3.5 C.Y.	25,116	4.91	6.28	1.44	2.90	0.00	3.41	0.00	110				
1450	4.0 C.Y.	27,640	5.41	6.92	1.59	3.20	0.00	3.76	0.00	120				
1455	4.5 C.Y.	29,900	5.85	7.49	1.71	3.46	0.00	4.07	0.00	132				
1460	5.0 C.Y.	32,410	6.34	8.12	1.86	3.75	0.00	4.41	0.00	146				
1465	5.5 C.Y.	34,981	6.84	8.76	2.00	4.04	0.00	4.76	0.00	158				
1470	6.0 C.Y.	36,234	7.09	9.06	2.08	4.19	0.00	4.92	0.00	166				
1475	6.5 C.Y.	39,166	7.66	9.81	2.24	4.53	0.00	5.33	0.00	177				
1480	7.0 C.Y.	40,354	7.90	10.09	2.32	4.67	0.00	5.48	0.00	185				
1485	7.5 C.Y.	41,871	8.20	10.48	2.41	4.85	0.00	5.69	0.00	192				
<b>ESCO - MODEL HDS HEAVY DUTY &amp; SQUARE NOSE</b>														
1495	.75 C.Y.	9,527	1.86	2.39	0.55	1.10	0.00	1.30	0.00	35				
1500	1.0 C.Y.	12,910	2.52	3.24	0.74	1.49	0.00	1.76	0.00	49				
1505	1.5 C.Y.	18,791	3.67	4.71	1.08	2.17	0.00	2.56	0.00	74				
1510	2.0 C.Y.	20,289	3.97	5.08	1.17	2.35	0.00	2.76	0.00	82				
1515	2.5 C.Y.	25,793	5.05	6.46	1.48	2.99	0.00	3.51	0.00	105				
1520	3.0 C.Y.	28,214	5.52	7.06	1.62	3.26	0.00	3.83	0.00	116				
1525	3.5 C.Y.	30,440	5.96	7.62	1.74	3.52	0.00	4.14	0.00	126				
1530	4.0 C.Y.	32,725	6.41	8.19	1.88	3.79	0.00	4.45	0.00	137				
1535	4.5 C.Y.	35,131	6.87	8.80	2.01	4.06	0.00	4.78	0.00	147				
1540	5.0 C.Y.	38,670	7.57	9.68	2.21	4.47	0.00	5.26	0.00	163				
1545	5.5 C.Y.	40,799	7.99	10.22	2.34	4.72	0.00	5.55	0.00	172				
1550	6.0 C.Y.	43,161	8.44	10.81	2.47	4.99	0.00	5.87	0.00	182				
1555	6.5 C.Y.	45,013	8.80	11.27	2.58	5.20	0.00	6.12	0.00	193				
1560	7.0 C.Y.	46,885	9.18	11.74	2.69	5.43	0.00	6.38	0.00	201				
1565	7.5 C.Y.	48,744	9.54	12.20	2.80	5.64	0.00	6.63	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	OWNER-SHIP	FUEL				
<b>BUCKETS, CLAMSHELL (CONT'D)</b>												
<b>*****</b>												
<b>ESCO - MODEL XDS</b>												
<b>EXTRA HEAVY DUTY &amp; SQUARE NOSE</b>												
1575	.75 C.Y.	14,443	2.83	3.61	0.83	1.67	0.00	1.96	0.00	52		
1580	1.0 C.Y.	14,771	2.89	3.70	0.85	1.71	0.00	2.01	0.00	58		
1585	1.0 C.Y.	21,935	4.30	5.49	1.26	2.54	0.00	2.98	0.00	65		
1590	2.0 C.Y.	26,532	5.18	6.64	1.52	3.06	0.00	3.61	0.00	103		
1595	2.5 C.Y.	29,640	5.80	7.42	1.70	3.43	0.00	4.03	0.00	119		
1600	3.0 C.Y.	32,237	6.31	8.07	1.85	3.73	0.00	4.38	0.00	135		
1605	3.5 C.Y.	33,952	6.65	8.50	1.95	3.93	0.00	4.62	0.00	149		
1610	4.0 C.Y.	35,963	7.04	9.00	2.06	4.16	0.00	4.89	0.00	158		
1615	4.5 C.Y.	37,685	7.38	9.43	2.16	4.36	0.00	5.12	0.00	168		
1620	5.0 C.Y.	40,419	7.91	10.12	2.32	4.67	0.00	5.50	0.00	181		
1625	5.5 C.Y.	42,803	8.38	10.71	2.45	4.95	0.00	5.82	0.00	195		
1630	6.0 C.Y.	44,997	8.80	11.27	2.58	5.20	0.00	6.12	0.00	203		
1635	6.5 C.Y.	48,752	9.54	12.20	2.80	5.64	0.00	6.63	0.00	220		
1640	7.0 C.Y.	50,241	9.83	12.58	2.88	5.81	0.00	6.84	0.00	230		
1645	7.5 C.Y.	52,365	10.24	13.11	3.00	6.05	0.00	7.12	0.00	241		
<b>BUCKETS, CONCRETE - GAR-BRO</b>												
<b>*****</b>												
<b>GENERAL PURPOSE &amp; MANUAL</b>												
1655	433-G 1.0 C.Y.	1,381	0.27		0.08	0.16	0.00			6		
1660	442-G 1.5 C.Y.	1,731	0.34		0.10	0.20	0.00			8		
1665	462-G 2.0 C.Y.	2,258	0.45		0.14	0.27	0.00			11		
1670	493-G 3.0 C.Y.	3,233	0.63		0.18	0.37	0.00			19		
1675	4123-G 4.0 C.Y.	4,082	0.80		0.23	0.47	0.00			23		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
<b>BUCKETS, CONCRETE - GAR-BRO (CONT'D)</b>													
*****													
LOW SLUMP - AIR OPERATED GATE													
1685	440-A 1.4 C.Y.	5,939	1.16		0.34	0.68	0.00		19				
1690	450-A 1.5 C.Y.	6,191	1.21		0.35	0.71	0.00		21				
1695	460-A 2.0 C.Y.	6,436	1.26		0.37	0.74	0.00		23				
1700	495-A 3.0 C.Y.	8,534	1.66		0.49	0.98	0.00		42				
1705	4159-A 4.0 C.Y.	8,931	1.74		0.51	1.03	0.00		52				
1710	4200-A 6.0 C.Y. DBL. COMPT.	12,890	2.52		0.74	1.49	0.00		72				
1715	4250-A 6.0 C.Y. LBL. COMPT.	15,376	3.01		0.88	1.78	0.00		80				
LAYDOWN - HEAVY DUTY - AIR GATE													
1725	425-A 1.0 C.Y.	6,820	1.34		0.39	0.79	0.00		26				
1730	465-A 2.0 C.Y.	7,737	1.51		0.44	0.89	0.00		31				
1735	495-A 3.0 C.Y.	8,870	1.74		0.51	1.03	0.00		40				
1740	4125-A 4.0 C.Y.	9,905	1.94		0.57	1.15	0.00		49				
1745	4155-A 5.0 C.Y.	11,620	2.27		0.67	1.34	0.00		60				
BUCKETS, DRAGLINE													
*****													
HENDRIX - MODEL LS													
LIGHT WEIGHT & PERFORATED													
1760	.75 C.Y.	3,085	0.61	0.77	0.18	0.36	0.00	0.42	0.00				
1765	1.0 C.Y.	3,660	0.71	0.92	0.21	0.42	0.00	0.50	0.00				
1770	1.5 C.Y.	4,501	0.88	1.12	0.26	0.52	0.00	0.61	0.00				
1775	2.0 C.Y.	5,328	1.04	1.34	0.30	0.61	0.00	0.73	0.00				
1780	2.5 C.Y.	6,253	1.23	1.56	0.36	0.73	0.00	0.85	0.00				
1785	3.0 C.Y.	7,713	1.51	1.93	0.44	0.89	0.00	1.05	0.00				
1790	3.5 C.Y.	8,525	1.66	2.13	0.49	0.98	0.00	1.16	0.00				
1795	4.0 C.Y.	10,418	2.03	2.60	0.59	1.20	0.00	1.41	0.00				
1800	4.5 C.Y.	11,062	2.17	2.77	0.64	1.28	0.00	1.51	0.00				
1805	5.0 C.Y.	13,364	2.62	3.35	0.77	1.55	0.00	1.82	0.00				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION		STAND-BY	OWNER-SHIP	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE			FUEL	OWNER-SHIP	FUEL						
<b>BUCKETS, DRAGLINE (CONT'D)</b>															
<b>HENDRIX - MODEL LS LIGHT WEIGHT &amp; PERFORATED (CONT'D)</b>															
1810	6.0 C.Y.	14,471	2.84	3.62	0.83	1.68	0.00	1.97	0.00	90					
1815	7.0 C.Y.	15,843	3.10	3.96	0.91	1.83	0.00	2.15	0.00	101					
1820	8.0 C.Y.	17,565	3.45	4.40	1.01	2.04	0.00	2.39	0.00	112					
1825	9.0 C.Y.	20,275	3.97	5.08	1.17	2.35	0.00	2.76	0.00	128					
1830	10.0 C.Y.	22,030	4.30	5.51	1.26	2.54	0.00	2.99	0.00	139					
1835	12.0 C.Y.	27,044	5.28	6.77	1.55	3.12	0.00	3.68	0.00	166					
1840	14.0 C.Y.	31,097	6.09	7.78	1.79	3.60	0.00	4.22	0.00	191					
<b>HENDRIX - MODEL TS, MEDIUM WEIGHT</b>															
1850	.75 C.Y.	3,591	0.71	0.90	0.21	0.42	0.00	0.49	0.00	17					
1855	1.0 C.Y.	4,399	0.86	1.10	0.26	0.51	0.00	0.60	0.00	19					
1860	1.5 C.Y.	5,462	1.07	1.36	0.32	0.63	0.00	0.74	0.00	28					
1865	2.0 C.Y.	6,534	1.28	1.64	0.38	0.76	0.00	0.89	0.00	36					
1870	2.5 C.Y.	7,528	1.48	1.88	0.44	0.88	0.00	1.02	0.00	41					
1875	3.0 C.Y.	8,998	1.76	2.26	0.52	1.04	0.00	1.23	0.00	49					
1880	3.5 C.Y.	9,938	1.95	2.50	0.57	1.15	0.00	1.36	0.00	54					
1885	4.0 C.Y.	11,969	2.34	2.99	0.68	1.38	0.00	1.62	0.00	70					
1890	4.5 C.Y.	12,780	2.49	3.20	0.73	1.47	0.00	1.74	0.00	72					
1895	5.0 C.Y.	16,387	3.20	4.09	0.94	1.89	0.00	2.22	0.00	93					
1900	6.0 C.Y.	16,933	3.32	4.25	0.97	1.96	0.00	2.31	0.00	96					
1905	7.0 C.Y.	19,338	3.78	4.84	1.11	2.23	0.00	2.63	0.00	111					
1910	8.0 C.Y.	21,290	4.17	5.32	1.23	2.47	0.00	2.89	0.00	122					
1915	9.0 C.Y.	25,510	4.99	6.39	1.47	2.95	0.00	3.47	0.00	149					
1920	10.0 C.Y.	27,169	5.31	6.80	1.56	3.14	0.00	3.69	0.00	159					
1925	12.0 C.Y.	34,622	6.77	8.67	1.98	4.00	0.00	4.71	0.00	202					
1930	14.0 C.Y.	38,552	7.55	9.65	2.21	4.46	0.00	5.24	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	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
<b>BUCKETS, DRAGLINE (CONT'D)</b>																			
<b>HENDRIX - MODEL MH-S, HEAVY WEIGHT</b>																			
1940	2.75 C.Y.	14,363	2.81	3.60	0.82	1.66	0.00	1.96	0.00	69									
1945	3.0 C.Y.	14,938	2.93	3.74	0.86	1.73	0.00	2.03	0.00	72									
1950	3.5 C.Y.	16,729	3.27	4.19	0.96	1.93	0.00	2.28	0.00	81									
1955	4.0 C.Y.	22,388	4.38	5.61	1.29	2.59	0.00	3.05	0.00	110									
1960	4.5 C.Y.	25,030	4.90	6.26	1.44	2.90	0.00	3.40	0.00	123									
1965	5.0 C.Y.	25,847	5.06	6.47	1.48	2.99	0.00	3.51	0.00	127									
1970	6.0 C.Y.	27,676	5.42	6.92	1.59	3.20	0.00	3.76	0.00	136									
1975	7.0 C.Y.	35,203	6.89	8.81	2.02	4.07	0.00	4.78	0.00	175									
1980	8.0 C.Y.	36,208	7.09	9.06	2.08	4.19	0.00	4.92	0.00	180									
1985	9.0 C.Y.	46,086	9.03	11.54	2.65	5.34	0.00	6.27	0.00	234									
1990	10.0 C.Y.	47,598	9.31	11.91	2.73	5.50	0.00	6.47	0.00	243									
1995	12.0 C.Y.	56,611	11.07	14.17	3.24	6.54	0.00	7.70	0.00	289									
2000	14.0 C.Y.	59,611	11.67	14.93	3.42	6.90	0.00	8.11	0.00	309									
<b>SAUERMAN - CRESCENT SCRAPER</b>																			
<b>WITH DRAGLINE CONVERSION KIT</b>																			
2010	SC-1050-K 1.0 C.Y.	9,540	1.86	2.39	0.55	1.10	0.00	1.30	0.00	15									
2015	SC-1060-K 1.5 C.Y.	12,223	2.39	3.06	0.70	1.41	0.00	1.66	0.00	20									
2020	SC-1070-K 2.0 C.Y.	16,739	3.27	4.19	0.96	1.93	0.00	2.28	0.00	25									
2025	SC-1090-K 3.0 C.Y.	22,161	4.33	5.55	1.27	2.56	0.00	3.02	0.00	36									
2030	SC-1100-K 4.0 C.Y.	33,094	6.47	8.28	1.89	3.82	0.00	4.50	0.00	49									
2035	SC-1110-K 5.0 C.Y.	37,748	7.39	9.45	2.17	4.37	0.00	5.13	0.00	58									
2040	SC-1120-K 6.0 C.Y.	45,737	8.95	11.45	2.62	5.29	0.00	6.22	0.00	68									
2045	SC-1130-K 8.0 C.Y.	55,603	10.89	13.92	3.19	6.44	0.00	7.56	0.00	88									
2050	SC-1140-K 10.0 C.Y.	67,459	13.20	16.88	3.86	7.80	0.00	9.17	0.00	106									
2055	SC-1150-K 12.0 C.Y.	78,320	15.33	19.61	4.49	9.06	0.00	10.65	0.00	132									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			AVERAGE	SEVERE	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	
<b>COMPACTORS, MANUALLY OPERATED</b> *****										
2065	UR-12 INGERSOL RAND RAMMER	3 HP G	1,529	0.99		0.11	0.26	0.35		1
2070	GVR75Y WACKER RAMMER	3 HP G	1,205	0.87		0.09	0.21	0.35		1
2075	GVR100 WACKER RAMMER	5 HP G	1,634	1.33		0.12	0.28	0.39		1
2080	GVR151Y WACKER RAMMER	5 HP G	2,120	1.50		0.16	0.36	0.59		2
2085	GVR220Y WACKER RAMMER	6 HP G	2,735	1.86		0.20	0.46	0.70		2
2090	VPG160B WACKER VIBRO PLATE	3 HP G	1,068	0.82		0.08	0.18	0.31		2
2095	VPG260K WACKER VIBRO PLATE	7 HP G	1,671	1.64		0.13	0.29	0.52		3
2100	VPG600 WACKER VIBRO PLATE	9 HP G	3,151	2.46		0.23	0.54	1.06		7
2105	DPS2350 WACKER VIBRO PLATE	7 HP D	3,307	1.67		0.24	0.56	0.38		4
2110	DPS4570 WACKER VIBRO PLATE	10 HP D	5,318	2.61		0.38	0.90	0.55		8
2115	DVU4001 WACKER VIBRO PLATE	10 HP D	10,860	4.63		0.79	1.84	0.55		13
2120	W 55 T WACKER D/D ROLLER	8 HP D	10,480	4.35		0.76	1.77	0.44		17
2125	W 74 T WACKER D/D ROLLER	8 HP D	11,824	4.84		0.86	2.00	0.44		19
2130	BW 75 SL BOMAG D/D ROLLER	9 HP D	13,362	5.47		0.97	2.26	0.49		27
2135	BW 90 SL BOMAG D/D ROLLER	13 HP D	16,259	6.80		1.19	2.76	0.71		35
<b>CONCRETE BUGGIES - AEROIL</b> *****										
2145	5 CF WALK-BEHIND	5 HP G	1,444	0.90		0.08	0.16	0.46		3
<b>CONCRETE FINISHERS - BOMAG</b> *****										
2155	MOD F46B4 GYRO TROWEL	7 HP G	1,357	1.13		0.08	0.16	0.64		2
2160	MOD RF2B4 DOUBLTROWEL	16 HP G	5,349	3.05		0.31	0.62	1.47		7
2165	MOD RF3B3 TRIPLTROWEL	16 HP G	6,896	3.37		0.40	0.80	1.47		9

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>CONCRETE PAVERS</b> *****														
CMI														
2175	MOD SF - 175' SLIPFORM PAVER CUBES, MEDIAN, AND SIDEWALKS	142 HP D	123,032	33.59		7.05	13.69	5.56		263				
2180	MOD SF - 250' 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP D	216,867	57.06		12.41	24.12	8.14		470				
2185	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	383,125	94.92		21.93	42.61	9.78		720				
GOMACO														
2195	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	50 HP G	24,688	10.93		1.41	2.73	4.26		91				
2200	MOD RW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	112,095	29.12		6.42	12.47	3.91		240				
<b>CONCRETE PLACERS, SHOTCRETE</b> *****														
ALLENSTOWN														
2210	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP D	22,192	6.75		1.39	2.97	0.69		45				
2215	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP D	24,761	8.04		1.56	3.34	1.15		60				
2220	GM27 ROTARY GUN 1-4 CY/HR INCL. HOSE,REQ. 400 CFM COMP.	400CFM A	9,167	2.62		0.58	1.25	0.00		15				
2225	GM57 ROTARY GUN 4-12 CY/HR INCL. HOSE,REQ. 600 CFM COMP.	600CFM A	14,769	4.19		0.93	2.00	0.00		30				
CHALLENGE SQUEEZ-CRETE														
2235	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP D	43,001	15.98		2.71	5.83	3.58		70				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL				
CONCRETE PUMPS												
*****												
MORGEN												
2245	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	50,561	21.52		3.18	6.85	6.34		70			
2250	MOD 203-420 LOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24000 GVW TRUCK	129,198	52.37		8.12	17.43	14.11		255			
SCRAPING												
2260	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	44,786	16.81		2.82	6.07	3.86		66			
2265	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	70,023	29.78		4.40	9.43	8.77		96			
2270	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	71,929	30.28		4.52	9.69	8.77		96			
2275	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	136,208	51.26		8.51	18.20	11.76		302			
2280	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	197,885	67.62		12.39	26.53	11.76		321			
2285	MOD BPL1201 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	247,327	86.37		15.45	33.03	16.06		408			
2290	MOD BPL3000 TRUCK MTD 118 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	250,185	87.12		15.63	33.41	16.06		408			
CRANES, SHOVEL, BACKHOE, DRAGLINE												
*****												
AMERICAN - CRAWLER TYPE												
MOD 4120 DRAGLINE 1 CY 93 HP D												
13'-7" CRAWLERS W/28" SHOES												
2300	DRAGLINE OR CLAMSHELL (LESS BUCKET)	169,389	32.07	39.50	9.06	17.27	2.87	19.56	3.64			
MOD 597-C 1.25 CY T/C 114 HP D												
14'-7" CRAWLERS W/32" SHOES												
2305	DRAGLINE OR CLAMSHELL (LESS BUCKET)	231,296	38.85	46.12	11.49	20.46	3.52	22.38	4.46			
2310	CRANE 35-T W/65' BOOM	238,349	34.87	40.44	11.96	20.54	2.82	22.38	3.64			
MOD 599-A LIFTING CRANE T/C 114 HP D												
16'-0" CRAWLERS W/32" SHOES												
2320	CRANE 40-T W/75' BOOM	252,792	36.78	42.62	12.68	21.78	2.82	23.73	3.64			
									962			

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	AVERAGE COND.	SEVERE COND.	
					AVERAGE	SEVERE	BY	OWNER-SHIP	FUEL	
	CRANES, SHOVEL, L/H, DRAGLINE (CONT'D)									
	AMERICAN - CRAWLER TYPE (CONT'D)									
	MOD 5299-A LIFTING CRANE T/C 114 HP D 17'-6" CRAWLERS W/32" SHOES									
2330	CRANE 50-T W/75' BOOM	267,681	38.76	44.87	13.43	23.07	2.62	25.12	3.64	1086
	MOD 757-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2340	DRAGLINE OR CLAMSHELL (LESS BUCKET)	322,639	54.53	64.77	16.03	28.55	5.19	31.23	6.56	1278
2345	CRANE 40-T W/75' BOOM	316,089	46.72	54.24	15.85	27.23	4.15	29.67	5.56	1262
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2355	CRANE 60-T W/80' BOOM	337,197	46.27	52.56	16.12	26.23	4.15	27.99	5.36	1421
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES									
2365	CRANE 100T W/200' BOOM	429,517	57.60	65.22	20.54	33.42	4.15	35.65	5.36	1866
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2375	CRANE 110-T W/200' BOOM	566,304	77.85	88.47	27.07	44.06	7.09	47.02	9.16	2792
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2385	CRANE 125T W/270' BOOM	592,082	81.01	92.01	28.30	46.06	7.09	49.16	9.16	3150
2390	DRAGLINE OR CLAMSHELL (LESS BUCKET)	567,399	88.32	102.46	26.76	45.10	8.87	48.28	11.23	2950
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES									
2400	CRANE 150T W/280' BOOM	671,513	90.75	102.89	32.10	52.24	7.09	55.75	9.16	3400
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES									
2410	CRANE 165T W/290' BOOM	698,839	92.08	103.27	32.58	51.44	7.09	54.37	9.16	3580

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D)								
	AMERICAN - CRAWLER TYPE (CONT'D)								
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES								
2420	CRANE 225T W/280' BOOM	756,258	98.96	110.86	35.26	55.67	7.09	58.83	9.16
	BUCYRUS ERIE - CRAWLER TYPE								
	MOD 25-E SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES								
2435	DRAGLINE OR CLAMSHELL (LESS BUCKET)	177,648	34.27	42.23	9.50	18.12	3.55	20.52	4.50
2440	CRANE 28-T W/50' BOOM	187,722	28.19	32.78	9.41	16.17	2.84	17.62	3.67
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES								
2450	BACKHOE	244,872	47.21	57.66	12.74	23.70	5.19	26.48	6.82
2455	DRAGLINE OR CLAMSHELL (LESS BUCKET)	240,796	41.38	49.20	11.97	21.31	4.45	23.31	5.64
2460	CRANE 35-T W/60' BOOM	241,953	36.21	42.10	12.13	20.84	3.56	22.71	4.60
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES								
2470	SHOVEL	342,438	65.05	79.32	17.82	33.15	6.42	37.03	8.43
2475	DRAGLINE OR CLAMSHELL (LESS BUCKET)	347,651	58.65	69.65	17.28	30.76	5.50	33.65	6.97
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES								
2485	SHOVEL	496,191	83.17	98.19	24.19	42.23	7.39	45.82	9.71
2490	BACKHOE	475,276	80.03	94.54	23.16	40.45	7.39	43.89	9.71
2495	DRAGLINE OR CLAMSHELL (LESS BUCKET)	479,828	73.29	84.92	22.62	38.13	6.33	40.84	8.02
2500	CRANE 51-T W/70' BOOM	472,379	63.93	72.50	22.58	36.75	5.07	39.21	6.55
	MOD 61-B SER-2 110-T 4 CY T/C 243 HP D 20'-6" CRAWLERS W/42" SHOES								
2510	CRANE 110T W/160' BOOM	588,531	79.30	89.86	28.14	45.79	6.01	48.86	7.76
2515	DRAGLINE OR CLAMSHELL (LESS BUCKET)	561,641	85.91	99.54	26.48	44.64	7.51	47.80	9.51

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.	
					AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.	
	CRANES, SHOVEL, D/H, DRAGLINE (CONT'D)									
	BUCYRUS ERIE - CRAWLER TYPE (CONT'D)									
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2525	SHOVEL	600,455	100.56	118.72	29.26	51.10	8.87	55.45	11.66	2096
2530	BACK HOE	568,536	95.76	113.13	27.70	48.38	8.87	52.50	11.66	2000
2535	DRAGLINE OR CLAMSHELL (LESS BUCKET)	551,967	84.69	98.16	26.02	43.86	7.60	46.98	9.63	1768
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES									
2545	SHOVEL	837,458	141.16	158.13	39.49	66.56	13.16	71.27	17.29	2822
2550	DRAGLINE OR CLAMSHELL (LESS BUCKET)	676,317	102.13	117.19	31.54	49.79	11.28	52.62	14.29	2274
	LINK BELT (FMC) - CRAWLER TYPE									
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/24" SHOES									
2565	CRANE 40-T W/50' BOOM	183,994	27.56	32.03	9.23	15.85	2.72	17.27	3.51	772
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES									
2575	CRANE 60-T W/80' BOOM	261,023	39.28	44.75	13.43	21.86	4.08	23.33	5.27	1232
	MOD LS-338 LIFTING CRANE T/C 170 HP D 20'-0" CRAWLERS W/38" SHOES									
2585	CRANE 100-T W/200' BOOM	386,615	52.39	59.42	18.49	30.08	4.20	32.09	5.43	1512
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W/44" SHOES									
2595	CRANE 150-T W/250' BOOM	618,748	83.05	94.08	29.58	48.13	6.06	51.37	7.82	2712
	MANITOWOC - CRAWLER TYPE									
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES									
2610	DRAGLINE OR CLAMSHELL (LESS BUCKET)	407,210	66.33	77.29	19.20	32.36	8.87	34.66	11.23	2306
2615	CRANE 100T W/210' BOOM	440,321	62.40	71.18	21.05	34.26	7.09	36.55	9.16	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	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	MANITOWOC - CRAWLER TYPE (CONT'D)									
	MOD 3900W VICON SER2 4 CY T/C 333 HP D 24'-0" CRAWLERS W/48" SHOES									
2625	DRAGLINE OR CLAMSHELL (LESS BUCKET)	517,851	83.18	96.81	24.41	41.15	10.29	44.07	13.03	2763
2630	CRANE 140T W/250' BOOM	524,556	74.07	84.47	25.08	40.81	8.23	43.55	10.63	2815
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
2640	DRAGLINE OR CLAMSHELL (LESS BUCKET)	689,251	107.68	125.00	32.50	54.78	11.12	58.65	14.09	3788
2645	CRANE 200T W/260' BOOM	697,959	94.10	105.90	32.54	51.38	8.90	54.30	11.49	3929
	MOD 4600 VICON SERIES 3 7CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
2655	CRANE 240T W/260' BOOM	1,069,251	148.06	167.27	49.85	78.71	16.93	83.18	21.87	5095
2660	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,088,904	167.98	193.17	50.77	80.16	21.17	84.72	26.81	5083
	NORTHWEST - CRAWLER TYPE									
	MOD 50-D 1.5 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES									
2675	DRAGLINE OR CLAMSHELL (LESS BUCKET)	241,804	44.96	53.72	12.02	21.40	7.35	23.40	9.32	954
2680	CRANE 45-T W/60' BOOM	239,115	38.58	45.22	12.00	20.60	5.88	22.45	7.60	947
	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
2690	SHOVEL	406,728	79.45	97.09	21.17	39.37	9.48	43.98	12.46	1510
2695	DRAGLINE OR CLAMSHELL (LESS BUCKET)	348,915	61.94	73.79	17.33	30.87	8.13	33.77	10.29	1274
2700	CRANE 40-T W/50' BOOM	345,203	53.35	62.23	17.31	29.74	6.50	32.40	8.40	1267
	MOD 9570 4.0 CY T/C 263 HP D 19'-0" CRAWLERS W/38" SHOES									
2710	DRAGLINE OR CLAMSHELL (LESS BUCKET)	435,955	69.39	80.69	20.55	34.64	8.13	37.10	10.29	1580
2715	CRANE 60-T W/50' BOOM	432,183	60.69	69.17	20.66	33.62	6.50	35.88	8.40	1565

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT	
			CONDITION	STAND-BY	AVERAGE	SEVERE	AVERAGE COND.	SEVERE COND.		
					OWNER-SHIP	FUEL				
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D)									
	NORTHWEST - CRAWLER TYPE (CONT'D)									
	MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES									
2725	SHOVEL	673,314	116.25	137.69	32.81	57.30	12.91	62.17	16.96	
2730	DRAGLINE OR CLAMSHELL (LESS BUCKET)	606,972	96.31	111.97	28.61	48.23	11.06	51.65	14.01	
2735	CRANE 97.5-T W/170' BOOM	628,522	87.55	99.68	30.05	48.90	8.85	52.18	11.43	
	MOD 190-D WT SERIES 2 T/C 430 HP D 21'-1" CRAWLERS W/54" SHOES									
2745	DRAGLINE 6.5 CY (LESS BUCKET)	640,908	99.85	114.93	29.88	47.18	13.29	49.86	16.83	
2750	CRANE 100-T W/170' BOOM	681,043	96.10	109.59	32.56	52.99	10.63	56.54	13.73	
	P & H - CRAWLER TYPE									
	MOD 535 1.25 CY T/C 190 HP D 15'-8" CRAWLERS W/30" SHOES									
2765	DRAGLINE OR CLAMSHELL (LESS BUCKET)	226,051	40.85	48.72	11.23	20.00	5.87	21.88	7.44	
2770	CRANE 35-T W/50' BOOM	223,074	35.07	40.97	11.19	19.22	4.70	20.94	6.07	
	MOD 550 1.75 CY T/C 190 HP D 18'-0" CRAWLERS W/30" SHOES									
2780	DRAGLINE (LESS BUCKET)	257,568	45.58	54.29	12.80	22.79	5.87	24.93	7.44	
2785	CRANE 50-T W/80' BOOM	254,919	39.28	45.80	12.79	21.6	4.70	23.93	6.07	
	MOD 670WLC 2 CY T/C 190 HP D 18'-6" CRAWLERS W/30" SHOES									
2795	DRAGLINE OR CLAMSHELL (LESS BUCKET)	330,530	56.53	67.19	16.43	29.25	5.87	32.00	7.44	
2800	CRANE 70-T W/150' BOOM	349,158	48.38	55.04	16.69	27.16	4.70	28.99	6.07	

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>CRANES, HYDRAULIC SELF-PROPELLED</b>														
<b>GROVE</b>														
2815	MOD RT58A	14 TON 112 HP D	98,743	19.39	4.82	7.98	4.58		407					
2820	MOD RT515	15 TON 115 HP D	106,575	20.57	5.19	8.62	4.50		415					
2825	MOD RT516	18 TON 115 HP D	119,408	22.62	5.80	9.56	4.50		448					
2830	MOD RT522	22 TON 115 HP D	130,756	24.16	6.35	10.49	4.50		494					
2835	MOD RT625	25 TON 156 HP D	170,577	31.20	8.30	13.72	6.11		545					
2840	MOD RT740	40 TON 170 HP D	238,255	42.22	11.56	19.06	6.65		755					
2845	MOD RT755	55 TON 170 HP D	284,152	48.94	13.77	22.65	6.65		835					
2850	MOD RT865	65 TON 208 HP D	350,109	59.57	17.02	28.15	8.14		1095					
2855	MOD RT980	80 TON 230 HP D	451,585	75.36	21.92	36.15	9.00		1310					
<b>LORAIN</b>														
2865	MOD LRT150	15 TON 120 HP D	104,207	20.31	5.10	8.51	4.70		438					
2870	MOD LRT180	18 TON 120 HP D	111,212	21.24	5.45	9.09	4.70		450					
2875	MOD LRT220	22 TON 120 HP D	118,919	22.27	5.82	9.73	4.70		468					
<b>P &amp; H</b>														
2885	MOD OMEGA 15	15 TON 125 HP D	100,974	20.11	4.94	8.24	4.89		361					
2890	MOD OMEGA 18	18 TON 125 HP D	105,709	20.74	5.17	8.63	4.89		366					
2895	MOD OMEGA 20	20 TON 125 HP D	109,396	21.24	5.36	8.94	4.89		375					
2900	MOD OMEGA 23	23 TON 125 HP D	124,993	23.65	6.09	10.10	4.89		425					
2905	MOD OMEGA 25	25 TON 155 HP D	159,371	30.54	7.71	12.67	6.07		540					
2910	MOD OMEGA 30	30 TON 155 HP D	164,072	31.17	7.95	13.06	6.07		550					
2915	MOD OMEGA 35	35 TON 202 HP D	227,318	42.37	11.02	18.15	7.91		740					
2920	MOD OMEGA 40	40 TON 202 HP D	234,744	43.36	11.39	18.77	7.91		760					
2925	MOD OMEGA 45	45 TON 202 HP D	241,452	44.26	11.72	19.33	7.91		770					
2930	MOD OMEGA 65	65 TON 235 HP D	321,794	57.16	15.63	25.81	9.20		980					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CNT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.			
	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
<b>CRANES, HYD SELF-PROPELLED (CONT'D)</b>									
<b>PLTTIBONE</b>									
2940	MOD 25	12.5 TON	120 HP D	102,453	20.08	5.02	8.37	4.70	456
2945	MOD 36P	18 TON	120 HP D	117,820	22.46	5.74	9.51	4.70	492
2950	MOD 100SC	50 TON	188 HP D	267,239	47.01	12.99	21.47	7.26	1050
<b>CRANES, HYDRAULIC TRUCK MOUNTED</b>									
<b>(HP &amp; FUEL LISTED EQUIP/CARRIER)</b>									
<b>BUCYRUS ERIE</b>									
2960	30-XC	30 TON W/80' BOOM	130/210 HP D/D	184,500	30.61	35.65	8.65	14.45	6.60
2965	60-XC	60 TON W/104' BOOM	197/238 HP D/D	323,532	50.72	58.88	15.19	25.43	9.42
<b>GROVE</b>									
2975	TMS185	18 TON W/106' BOOM	172 HP D	178,454	31.05	37.05	8.91	15.20	6.73
2980	TMS300	35 TON W/112' BOOM	203 HP D	208,844	35.33	41.60	9.79	16.34	7.95
2985	TMS475	50 TON W/142' BOOM	213 HP D	264,403	42.38	49.57	12.40	20.75	8.34
2990	TM875	80 TON W/146' BOOM	196/268 HP D/D	385,470	58.41	67.11	17.52	28.26	9.60
2995	TM1150	115 TON W/172' BOOM	196/315 HP D/D	592,251	82.69	93.99	27.01	43.76	9.94
3000	TM1400	140 TON W/173' BOOM	318/387 HP D/D	695,718	100.36	114.10	31.01	48.87	15.23
<b>LINK BELT (FMC)</b>									
3010	HTC-25	25 TON W/95' BOOM	216 HP D	175,340	32.89	39.54	8.74	14.90	8.45
3015	HTC-35	35 TON W/108' BOOM	216 HP D	206,572	35.50	41.89	9.69	16.23	8.45
3020	HTC-50	50 TON W/122' BOOM	244 HP D	251,821	42.31	49.79	11.82	19.78	9.55
<b>PETTIBONE</b>									
3030	50TKLSPC	25 TON W/95' BOOM	210 HP D	180,057	33.14	39.73	8.99	15.33	8.22
3035	80TKL	40 TON W/112' BOOM	244 HP D	229,986	39.79	47.02	10.78	18.02	9.55
3040	100TKLSPC	50 TON W/111' BOOM	244 HP D	256,224	42.89	50.48	12.02	20.11	9.55
3045	160TKLSPC	80 TON W/118' BOOM	365 HP D	407,869	66.90	78.10	18.55	29.94	14.29

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT		
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
CRANES, TRUCK MOUNTED ***** (HP & FULL LISTED EQUIP/CARRIER)												
AMERICAN												
3055	5470	65 TON W/170' BOOM 115/238 HP D/D	325,561	47.43	54.49	15.23	25.41	6.21	27.18	7.92	1175	
3060	5530	75 TON W/170' BOOM 115/238 HP D/D	333,361	47.52	54.09	15.19	24.57	6.21	26.02	7.92	1245	
3065	7460	90 TON W/200' BOOM 203/238 HP D/D	415,111	61.29	70.24	18.94	30.70	9.66	32.53	12.45	1503	
3070	7530	125 TON W/200' BOOM 203/350 HP D/D	464,865	68.39	78.21	21.19	34.31	10.47	36.35	13.39	1696	
3075	8460	165 TON W/200' BOOM 268/350 HP D/D	666,881	93.53	105.88	29.78	47.05	13.01	49.45	16.74	2,20	
LINK BELT (FMC)												
3085	HC108C	50 TON W/150' BOOM 110/238 HP D/D	319,970	46.52	53.42	14.97	24.96	6.02	26.70	7.06	1197	
3090	HC218A	100 TON W/220' BOOM 165/318 HP D/D	443,370	64.29	73.35	20.16	32.52	8.75	34.43	11.17	1566	
3095	HC238A	140 TON W/230' BOOM 171/318 HP D/D	530,743	73.04	82.37	23.68	37.35	8.98	39.25	11.48	2068	
LORAIN												
3105	MC550A	50 TON W/160' BOOM 115/246 HP D/D	313,557	46.08	53.00	14.66	24.45	6.27	26.16	7.99	1111	
3110	MC670A	70 TON W/170' BOOM 150/290 HP D/D	357,625	52.52	60.01	16.30	26.39	7.96	27.96	10.16	1243	
3115	MC790	90 TON W/220' BOOM 220/290 HP D/D	443,283	66.75	76.63	20.16	32.52	10.70	34.43	13.77	1594	
3120	MC1400	140 TON W/230' BOOM 220/290 HP D/D	532,860	76.26	86.55	23.70	37.22	10.70	39.11	13.77	1950	
P & H												
3130	325TC	25 TON W/110' BOOM 83/190 HP D/D	210,732	32.53	38.05	10.52	17.94	4.62	19.53	5.87	645	
3135	430ATC	35 TON W/150' BOOM 90/210 HP D/D	238,113	34.98	40.20	11.17	18.71	5.03	20.02	6.40	763	
3140	440TC	40 TON W/170' BOOM 90/228 HP D/D	261,346	38.05	43.67	12.25	20.49	5.16	21.93	6.55	964	
3145	650ATC	50 TON W/150' BOOM 135/236 HP D/D	344,021	50.57	58.20	16.10	26.87	6.98	28.75	8.93	1178	
3150	670TC	70 TON W/180' BOOM 135/255 HP D/D	380,848	54.14	61.62	17.37	28.13	7.12	29.80	9.09	1340	
3155	790BTC	90 TON W/200' BOOM 160/350 HP D/D	426,553	61.85	70.54	19.43	31.44	8.78	33.30	11.18	1606	
3160	9115	125 TON W/220' BOOM 179/350 HP D/D	527,633	74.46	84.66	24.07	39.02	9.53	41.33	12.16	1709	
3165	9150	150 TON W/270' BOOM 210/350 HP D/D	572,886	80.01	90.46	25.56	40.34	10.74	42.41	13.75	1805	
3170	6250TC	300 TON W/320' BOOM 364/450 HP D/D	1,173,540	157.52	177.26	52.42	82.88	17.49	87.12	22.53	3928	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.				
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
<b>DRILLS, BLAST HOLE, CRAWLER MTD</b>												
<b>GARDNER DENVER</b>												
3180	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	65,658	14.76		3.76	7.57	0.00			91		
3185	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	60,304	13.74		3.46	6.96	0.00			93		
3190	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	68,612	15.72		3.93	7.91	0.00			95		
3195	AT3700A/PR66 ANGLE DRILL 4.0" HOLE 12' FEED	81,206	18.50		4.65	9.37	0.00			146		
3200	ATD5100/PR80H ANGLE DRILL 4.5" HOLE 20' FEED	1200CFM A	90,505	20.70		5.19	10.45	0.00		200		
<b>INGERSOLL-RAND</b>												
3210	ECM350/VL140 4.0" HOLE 12' FEED 750CFM A	74,323	16.79		4.26	8.57	0.00			129		
3215	ECM350/VL671 4.5" HOLE 12' FEED 900CFM A	80,979	18.41		4.64	9.34	0.00			131		
3220	CM2000/VL170 5.0" HOLE 24' FEED 1400CFM A	92,093	21.21		5.28	10.63	0.00			170		
<b>JOY</b>												
3230	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	66,263	15.10		3.80	7.65	0.00			100		
3235	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	75,466	17.11		4.32	8.70	0.00			144		
3240	MUSTANG VCR280 5" HOLE 23' FEED 1200CFM A	92,261	21.06		5.29	10.64	0.00			184		
<b>DRILLS, CORE, AIR, COLUMN MOUNTED</b>												
3250	LONGYEAR 24 WOLVERINE AX 700' 450CFM A	16,114	3.84		0.92	1.86	0.00			12		
3255	LONGYEAR 65D EX 600' 400CFM A	10,318	2.56		0.59	1.19	0.00			3		
3260	65D ROD PULLER 21" STROKE 400CFM A	1,539	0.57		0.09	0.18	0.00			1		
<b>DRILLS, CORE, SKID MOUNTED</b>												
<b>ACKER</b>												
3270	TEREDO MARK-II NX 1000' MAX 44 HP D	24,480	8.02		1.40	2.82	2.13			40		
3275	ACE MODEL C NX 725' MAX 20 HP D	17,197	4.98		0.98	1.98	0.97			45		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>DRILLS, CORE, SKID MOUNTED (CONT'D)</b>														
<b>LONGYEAR</b>														
3285	MOD 24 STD AX 675' MAX	12 HP G	15,386	4.83		0.88	1.77	1.25		17				
3290	MOD 34 NX 1000' MAX	31 HP G	23,485	8.93		1.35	2.71	3.24		38				
3295	MOD 34 NX 1000' MAX	40 HP D	27,951	8.55		1.60	3.22	1.94		39				
3300	MOD 38 NX 1600' MAX	54 HP D	32,132	10.32		1.84	3.71	2.61		41				
3305	MOD 44 NX 2500' MAX	60 HP D	38,601	12.10		2.22	4.46	2.90		56				
<b>SPRAGUE AND HENWOOD</b>														
3315	MOD 37-H NX 400' MAX	18 HP G	14,677	5.42		0.85	1.70	1.88		18				
3320	MOD 40-CL NX 1050' MAX	49 HP D	22,677	7.94		1.30	2.62	2.37		27				
<b>DRILLS, ROTARY</b>														
<b>INGERSOLL-RAND</b>														
3330	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	286,817	64.66		14.20	25.12	14.72		550				
<b>JOY-ROBBINS</b>														
3340	RRT 35 TK MTD 6-1/4" TO 7-7/8"	225 HP D	268,909	57.07		13.31	23.53	10.89		600				
3345	RRT 50 TK MTD 6-3/4" TO 9-0"	335 HP D	410,870	86.48		20.34	35.99	16.22		860				
3350	RRT 60 TK MTD 6-3/4" TO 9-7/8"	350 HP D	437,240	91.55		21.65	38.32	16.94		960				
3355	RR10S CRLR MTD 6-3/4" TO 9-0"	410 HP D	314,149	74.32		15.61	27.77	19.85		1160				
3360	RR10HD ON D9 6-3/4" TO 10-5/8"	410 HP D	347,422	79.59		17.27	30.72	19.85		1340				
3365	RR10XHD ON D9 9-7/8" TO 12-1/4"	410 HP D	524,225	91.34		24.06	39.28	19.85		1830				
3370	RR12E CRLR MTD 9-0" TO 12-1"	725/450 HP E/E	966,372	124.34		44.35	72.40	17.76		2605				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE		OWNERSHIP	FUEL						
FORK LIFTS													
*****													
HYSTER - CHALLENGER													
3380	H30H 3000# @ 24" LC (LOAD CNTR)	63 HP G	23,973	11.39		1.36	2.72	5.06	71				
3385	H60C 6000# @ 24" LC	80 HP G	27,340	13.84		1.56	3.10	6.31	103				
3390	H110F 11000# @ 24" LC	116 HP G	41,811	20.49		2.38	4.76	9.88	163				
3395	H150H 15000# @ 24" LC	127 HP G	58,712	25.05		3.32	6.60	10.31	234				
3400	H200HS20000# @ 24" LC	PS 127 HP G	66,799	26.64		3.78	7.53	10.81	256				
3405	H250H 25000# @ 24" LC	PS 127 HP G	69,714	27.23		3.94	7.83	10.81	295				
3410	H300B 30000# @ 24" LC	PS 127 HP G	76,905	28.63		4.35	8.67	10.81	360				
3415	H460B 46000# @ 48" LC	PS 190 HP G	147,752	49.49		8.29	16.35	16.18	590				
GENERATOR SETS, ELECTRIC													
*****													
CATERPILLAR													
T = TURBOCHARGED													
TA = TURBOCHARGED AFTER COOLED													
SKID MOUNTED													
3430	MOD 3304 -T 240/480V 75 KW	129 HP D	19,136	9.58	12.07	1.10	1.95	5.05	57				
3435	MOD 3306 -T 240/480V 130 KW	200 HP D	22,563	13.61	17.31	1.29	2.29	7.83	46				
3440	MOD 3306 -TA 240/480V 150 KW	220 HP D	25,679	15.13	19.22	1.46	2.61	8.61	48				
3445	MOD 3406 -T 240/480V 175 KW	260 HP D	27,249	17.34	22.09	1.56	2.77	10.18	57				
3450	MOD 3406 -TA 240/480V 200 KW	295 HP D	30,832	19.66	25.05	1.76	3.13	11.55	59				
3455	MOD 3408 -T 240/480V 225 KW	330 HP D	36,032	22.26	28.32	2.06	3.66	12.92	72				
3460	MOD 3408 -TA 240/480V 265 KW	390 HP D	39,174	25.70	32.78	2.23	3.98	15.26	81				
3465	MOD D353 -TA 240/480V 290 KW	425 HP D	71,397	32.99	41.51	4.07	7.26	16.63	114				
3470	MOD 3412 -T 240/480V 300 KW	440 HP D	54,030	30.71	38.98	3.08	5.49	17.22	91				
3475	MOD 3412 -TA 240/480V 440 KW	625 HP D	62,812	41.21	52.55	3.59	6.39	24.46	102				
3480	MOD D348 -TA 240/480V 510 KW	730 HP D	95,585	51.99	65.85	5.45	9.72	28.57	140				
3485	MOD D398B-TA 230/460V 565 KW	810 HP D	141,829	63.88	80.27	8.09	14.42	31.70	15.40				
3490	MOD D399 -TA 230/460V 820 KW	1155 HP D	184,269	87.98	110.86	10.52	18.74	45.21	208				
								20.01	59.48				
									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	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
<b>GENERATOR SETS, ELECTRIC (CONT'D)</b>													
<b>ONAN</b>													
<b>SKID MOUNTED</b>													
3505	120/240V 2.5 KW	6 HP G	1,283	0.85	1.08	0.07	0.13	0.51	0.13	0.67			
3510	120/240V 6.5 KW	14 HP G	2,879	1.98	2.50	0.16	0.29	1.19	0.31	1.55			
3515	120/240V 10.0 KW	20 HP G	3,151	2.66	3.38	0.18	0.32	1.70	0.34	2.22			
3520	120/240V 3.0 KW	6 HP D	3,335	0.87	1.05	0.19	0.34	0.23	0.36	0.31			
3525	120/240V 6.0 KW	12 HP D	4,424	1.35	1.66	0.26	0.45	0.47	0.48	0.62			
3530	120/240V 12.0 KW	22 HP D	6,366	2.18	2.68	0.37	0.65	0.86	0.69	1.13			
3535	120/240V 15 KW	27 HP D	6,591	2.45	3.05	0.38	0.67	1.06	0.72	1.39			
3540	120/240V 30 KW	63 HP D	9,761	4.75	5.99	0.56	0.99	2.47	1.06	3.24			
3545	120/240V 45 KW	87 HP D	12,906	6.46	8.16	0.73	1.31	3.41	1.40	4.48			
3550	120/240V 60 KW	102 HP D	14,810	7.51	9.49	0.84	1.50	3.99	1.61	5.25			
3555	120/240V 75 KW	162 HP D	17,616	10.91	13.88	1.00	1.79	6.34	1.91	8.34			
3560	120/240V 90 KW	162 HP D	18,445	11.06	14.05	1.06	1.88	6.34	2.00	8.34			
3565	120/240V 125 KW	210 HP D	21,470	13.92	17.73	1.23	2.19	8.22	2.33	10.81			
3570	120/240V 150 KW	276 HP D	25,490	17.81	22.74	1.46	2.60	10.80	2.76	14.21			
<b>GRADERS, MOTOR</b>													
<b>CATERPILLAR</b>													
3585	MOD 120-G	POWER SHIFT ARTIC	125 HP D	96,878	20.99	25.74	5.18	9.02	4.51	10.09			
3590	MOD 130-G	POWER SHIFT ARTIC	135 HP D	104,431	22.61	27.74	5.59	9.74	4.87	10.90			
3595	MOD 12-G	POWER SHIFT ARTIC	135 HP D	111,478	23.73	29.07	5.97	10.39	4.87	11.63			
3600	MOD 140-G	POWER SHIFT ARTIC	150 HP D	114,640	24.95	30.63	6.13	10.66	5.41	11.92			
3605	MOD 14-G	POWER SHIFT ARTIC	180 HP D	160,218	33.77	41.43	8.51	14.68	6.49	16.41			
10	MOD 16-G	POWER SHIFT ARTIC	250 HP D	230,776	48.36	59.33	12.24	21.05	9.01	23.51			
										579			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP												
			AVERAGE	SEVERE															
<b>GRADERS, MOTOR (CONT'D)</b>																			
<b>CHAMPION</b>																			
3620	MOD 710A	ARTICULATED	125 HP D	80,463	18.49	22.77	4.29	7.45	4.51	8.33	5.92	296							
3625	MOD 715A	ARTICULATED	152 HP D	90,129	21.24	26.23	4.81	8.34	5.48	9.33	7.20	306							
3630	MOD 720A	ARTICULATED	168 HP D	96,191	22.97	28.40	5.12	8.88	6.06	9.94	7.96	335							
3635	MOD 740A	ARTICULATED	181 HP D	103,663	24.68	30.49	5.54	9.63	6.53	10.77	8.58	350							
3640	MOD 710	NON-ARTICULATED	125 HP D	75,479	17.72	21.86	4.02	6.97	4.51	7.80	5.92	270							
3645	MOD 715	NON-ARTICULATED	152 HP D	83,260	20.18	24.97	4.44	7.69	5.48	8.60	7.20	279							
3650	MOD 720	NON-ARTICULATED	152 HP D	87,331	20.86	25.79	4.65	8.05	5.48	9.00	7.20	307							
3655	MOD 740	NON-ARTICULATED	181 HP D	96,145	23.57	29.18	5.12	8.88	6.53	9.93	8.58	326							
3660	MOD 760	NON-ARTICULATED	230 HP D	119,514	29.82	37.03	6.31	10.82	8.29	12.08	10.90	384							
<b>FIAT-ALLIS</b>																			
3670	MOD-65B	DIRECT DRIVE	68 HP D	51,563	11.19	13.72	2.77	4.84	2.45	5.41	3.22	133							
3675	MOD-100C	CONSTANT MESH	135 HP D	83,517	19.41	23.95	4.45	7.73	4.87	8.66	6.40	280							
3680	MOD-150C	POWER SHIFT	135 HP D	88,076	20.12	24.78	4.71	8.17	4.87	9.14	6.40	286							
3685	MOD-200C	POWER SHIFT	160 HP D	94,731	22.35	27.59	5.06	8.78	5.77	9.81	7.58	292							
<b>GALION</b>																			
3695	MOD 503-L	DIRECT DRIVE	68 HP G	51,681	14.25	17.63	2.77	4.84	5.35	5.43	6.93	115							
3700	MOD T-500C	POWER SHIFT	145 HP D	96,105	21.80	26.82	5.14	8.95	5.23	10.01	6.87	281							
3705	MOD T-600C	POWER SHIFT	186 HP D	110,352	25.96	32.05	5.90	10.26	6.71	11.47	8.81	321							
<b>HOISTS</b>																			
<b>BEEBE - AIR TUGGERS</b>																			
3715	2000P 110-24	1.0 T 225 CFM RQD		4,900	1.11		0.29	0.57	0.00		5								
3720	5000P 120-24	2.5 T 500 CFM RQD		8,939	2.03		0.51	1.03	0.00		16								
3725	10000P 60-30	5.0 T 500 CFM RQD		11,242	2.61		0.65	1.30	0.00		22								
3730	20000P 50-40	10.0 T 850 CFM RQD		28,039	6.19		1.61	3.24	0.00		55								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.										
			AVERAGE	SEVERE													
HOISTS (CONT'D)																	
*****																	
SKAGIT																	
3740	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	62,474	17.82		3.58	7.22	3.91	85								
3745	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	84,526	22.39		4.84	9.76	3.91	126								
3750	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	130,159	33.33		7.46	15.04	5.09	240								
3755	RB-90W DOUBLE DRUM W/1-3/8" CABLE	150 HP D	153,826	39.22		8.82	17.78	5.87	300								
HYDRAULIC EXCAVATOR, CRAWLER MOUNTED																	
*****																	
T/B = TELESCOPING BOOM																	
B/H = BACKHOE																	
AMERICAN																	
3770	MOD 185	1.00 CY B/H 103 HP D	107,981	23.99	30.29	5.97	11.68	3.71	13.45								
3775	MOD 25A	1.38 CY B/H 185 HP D	182,028	38.42	47.22	9.48	17.62	6.67	19.68								
3780	MOD 480	2.00 CY B/H 300 HP D	268,666	57.84	71.19	13.98	26.00	10.81	29.05								
3785	MOD 680	4.00 CY B/H 456 HP D	428,664	83.71	100.43	20.89	36.48	16.44	39.59								
BADGER (HOPTO)																	
3795	MOD 211	1.00 CY B/H 160 HP D	129,470	30.32	38.34	7.15	14.00	5.77	16.12								
3800	MOD 311	1.88 CY B/H 235 HP D	188,103	41.56	51.23	9.79	18.21	8.47	20.34								
3805	MOD 900B	3.25 CY B/H 308 HP D	226,773	47.12	56.86	11.05	19.30	11.10	20.94								
3810	MOD 1900	4.50 CY B/H 616 HP D	490,893	99.85	120.24	23.92	41.77	22.21	45.33								
BUCYRUS ERIE																	
3820	MOD 300-H	1.00 CY B/H 176 HP D	158,418	36.25	45.82	8.75	17.13	6.34	19.73								
3825	MOD 325-H	1.75 CY B/H 205 HP D	216,850	45.11	55.39	11.29	20.99	7.39	23.45								
3830	MOD 350-H	2.50 CY B/H 248 HP D	275,129	56.72	69.61	14.32	26.63	8.94	29.76								
3835	MOD 400-H	4.25 CY B/H 392 HP D	450,167	84.21	100.59	21.94	38.31	14.13	41.57								
CASE																	
3845	MOD 880C "E" BOOM .63 CY B/H 125 HP D	82,636	20.33	25.76	4.57	8.94	4.51	10.29	5.92								
3850	MOD 980B	.75 CY B/H 180 HP D	126,327	30.60	38.76	6.98	13.66	6.49	15.73								
									420								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CNT						
			CONDITION	STAND-BY	AVERAGE COND.		SEVERE COND.								
					AVERAGE	SEVERE	OWNER-SHIP	FUEL							
<b>HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D)</b>															
***** T/B = TELESCOPING BOOM B/H = BACKHOE															
<b>CATERPILLAR</b>															
3860	MOD 215	.75 CY	B/H	90 HP D	118,001	25.25	31.83	6.52	12.76	3.24	14.69	4.26	387		
3865	MOD 225	1.00 CY	B/H	125 HP D	146,367	31.89	40.24	8.08	15.82	4.51	18.23	5.92	504		
3870	MOD 235	1.43 CY	B/H	195 HP D	258,467	51.68	63.26	13.45	25.02	7.03	27.95	9.24	875		
3875	MOD 245	2.50 CY	B/H	325 HP D	392,742	79.75	97.73	20.44	38.02	11.72	42.47	15.40	1318		
<b>DROTT</b>															
3885	MOD 40-D	1.00 CY	B/H	157 HP D	104,179	25.60	32.44	5.76	11.27	5.66	12.97	7.44	400		
3890	MOD 50-D	1.25 CY	B/H	190 HP D	132,403	30.29	37.44	6.89	12.81	6.85	14.32	9.00	510		
<b>GRADALL</b>															
3900	MOD G-660	.50 CY	T/B	115 HP D	134,456	29.32	36.97	7.43	14.54	4.15	16.74	5.45	459		
3905	MOD G-880	.75 CY	T/B	160 HP D	167,841	37.29	47.06	9.27	18.15	5.77	20.90	7.58	549		
3910	MOD G-1000	1.25 CY	T/B	272 HP D	224,778	49.31	60.74	11.70	21.76	9.81	24.30	12.89	787		
<b>INSLEY</b>															
3925	MOD B1500C	1.50 CY	B/H	240 HP D	205,714	44.73	55.10	10.70	19.91	8.65	22.25	11.37	767		
3930	MOD H2500C	2.00 CY	B/H	290 HP D	240,174	52.63	64.86	12.49	23.24	10.45	25.97	13.74	955		
3935	MOD H3500C	3.00 CY	B/H	390 HP D	322,389	64.95	78.16	15.71	27.43	14.06	29.77	18.48	1275		
<b>KOEHRING</b>															
3945	MOD 166 BANTAM	.50 CY	B/H	108 HP D	84,000	19.84	25.12	4.64	9.08	3.89	10.46	5.12	321		
3950	MOD 266 BANTAM	.88 CY	B/H	143 HP D	134,191	30.47	38.48	7.42	14.52	5.16	16.71	6.78	525		
3955	MOD 366 BANTAM	1.50 CY	B/H	210 HP D	162,154	36.15	44.59	8.44	15.70	7.57	17.54	9.95	616		
3960	MOD 566	2.00 CY	B/H	240 HP D	230,251	48.86	60.06	11.99	22.29	8.65	24.90	11.37	865		
3965	MOD 666	2.38 CY	B/H	307 HP D	287,248	61.26	75.36	14.95	27.80	11.07	31.06	14.55	1090		
3970	MOD 866E	3.25 CY	B/H	325 HP D	356,436	67.30	80.47	17.37	30.33	11.72	32.91	15.40	1327		
3975	MOD 1066E	4.00 CY	B/H	380 HP D	445,895	83.06	99.17	21.73	37.94	13.70	41.17	18.00	1640		
3980	MOD 1166E	5.00 CY	B/H	420 HP D	507,859	94.06	112.25	24.75	43.22	15.14	46.90	19.90	1813		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>HYDRAULIC EXCAVATOR, CRLR MTD (CONT'D)</b>														
***** T/B = TELESCOPING BOOM B/H = BACKHOE														
KOEHRING (CONT'D)														
3985	MOD 1266D	5.50 CY B/H 760 HP D	748,672	144.64	165.61	35.30	59.50	27.40	63.71	36.01	2600			
3990	MOD 1466	6.50 CY B/H 832 HP D	899,190	170.28	194.40	42.39	71.46	29.99	76.52	39.42	2900			
UNII														
4005	MOD H202C SER II	.75 CY B/H 152 HP D	117,703	27.85	35.24	6.51	12.73	5.48	14.66	7.20	440			
4010	MOD H342	1.25 CY B/H 228 HP D	203,408	43.84	53.95	10.59	19.69	8.22	22.00	10.80	740			
4015	MOD H471	1.75 CY B/H 304 HP D	251,955	55.22	68.02	13.11	24.39	10.96	27.24	14.40	1003			
<b>HYDRAULIC EXCAVATOR, TRUCK MOUNTED</b>														
***** (HP & FUEL LISTED EQUIP/CARRIER) T/B = TELESCOPING BOOM B/H = BACKHOE														
GRADALL														
4025	MOD G-660	.50 CY T/B 115/210 HP D/G	148,871	28.15	33.81	7.42	12.63	7.21	13.75	9.44	450			
4030	MOD G-880	.75 CY T/B 160/210 HP D/D	183,469	33.48	39.87	9.11	15.42	7.77	16.78	10.00	530			
4035	MOD G-1000	1.25 CY T/B 272/312 HP D/D	241,171	45.56	53.90	11.29	18.83	12.89	20.14	16.63	730			
<b>LAND CLEARING EQUIPMENT</b>														
***** (ADD TO TRACTOR)														
4045	FLECO LAND CLEARING RAKE FOR D-6		16,657	3.62	4.60	0.96	1.92	0.00	2.25	0.00	67			
4050	FLECO LAND CLEARING RAKE FOR D-7		21,962	4.75	6.05	1.26	2.52	0.00	2.97	0.00	96			
4055	FLECO LAND CLEARING RAKE FOR D-8		32,524	7.01	8.93	1.87	3.74	0.00	4.39	0.00	138			
4060	FLECO CLAMP RAKE FOR CAT 977 (ADD TO 977 LOADER)		16,626	3.71	4.69	0.95	1.91	0.00	2.24	0.00	58			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE	BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL				
<b>LIGHTING SETS, TRAILER MOUNTED</b>													
<del>*****</del>													
<b>ALLMAND METALLIC VAPOR</b>													
4070	30' TOWER 4/1000W LTS	5 KW	11 HP	D	12,331	4.16		0.71	1.32	0.57	29		
<b>OVER-LOWE METALLIC VAPOR</b>													
4080	38' TOWER 4/1000W LTS	6 KW	12 HP	D	11,159	3.89		0.64	1.19	0.62	22		
<b>LOADERS, BELT</b>													
<del>*****</del>													
<b>KOLMAN</b>													
4090	101XHD 24"x50' 355 T/HR		28 HP	D	28,323	7.83	10.25	1.59	2.77	1.10	3.18	1.44	116
<b>OPTIONAL EQUIPMENT SELECT AS NEEDED</b>													
4100	PLATE FEEDER DOZER TRAP MODEL 45				5,370	1.11	1.41	0.30	0.55	0.00	0.64	0.00	37
4105	BELT FEEDER DOZER TRAP MODEL 65				7,658	1.58	2.01	0.44	0.79	0.00	0.91	0.00	36
4110	WING WALLS STATIONARY				1,203	0.24	0.31	0.07	0.12	0.00	0.14	0.00	9
4115	TUNNEL EXTENSION W/WING WALLS				6,395	1.32	1.68	0.37	0.66	0.00	0.76	0.00	61
4120	SINGLE DECK SCREEN SB-70 7"x42				5,198	1.08	1.37	0.30	0.54	0.00	0.62	0.00	19
4125	DOUBLE DECK SCREEN DC-70-42 7"x42				6,207	1.28	1.62	0.36	0.64	0.00	0.73	0.00	27
4130	TRIPLE DECK SCREEN TC-70-42 7"x42				8,094	1.67	2.12	0.46	0.83	0.00	0.96	0.00	34
4135	XHD CONVEYOR JACKLEG				966	0.20	0.25	0.06	0.10	0.00	0.11	0.00	9
4140	101XHD 30"x50' 615 T/HR		42 HP	D	31,799	9.37	12.32	1.77	3.09	1.64	3.55	2.16	135
<b>OPTIONAL EQUIPMENT SELECT AS NEEDED</b>													
4150	PLATE FEEDER DOZER TRAP MODEL 45				6,642	1.37	1.75	0.38	0.68	0.00	0.79	0.00	42
4155	BELT FEEDER DOZER TRAP MODEL 65				8,044	1.66	2.11	0.46	0.83	0.00	0.95	0.00	40
4160	WING WALLS STATIONARY				1,203	0.24	0.31	0.07	0.12	0.00	0.14	0.00	9
4165	TUNNEL EXTENSION W/WING WALLS				6,395	1.32	1.68	0.37	0.66	0.00	0.76	0.00	61
4170	SINGLE DECK SCREEN SB-80 8"x48				5,847	1.21	1.54	0.33	0.60	0.00	0.70	0.00	23
4175	DOUBLE DECK SCREEN DC-80-48 8"x48				7,257	1.49	1.90	0.41	0.74	0.00	0.86	0.00	35
4180	TRIPLE DECK SCREEN TC-80-48 8"x48				9,185	1.89	2.41	0.52	0.94	0.00	1.09	0.00	43

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES				ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL						
<b>LOADERS, BELT (CONT'D)</b>															
<b>KELMAN (CONT'D)</b>															
4185	XHD CONVEYOR JACKLEG	966	0.20	0.25	0.06	0.10	0.00	0.11	0.00	9					
4190	101XHD 36"X50' 910 T/HR	56 HP D	36,445	11.27	14.85	2.03	3.51	2.19	4.03	2.88	160				
<b>OPTIONAL EQUIPMENT SELECT AS NEEDED</b>															
4200	PLATE FEEDER DOZER TRAP MODEL 45		7,124	1.47	1.86	0.41	0.73	0.00	0.84	0.00	45				
4205	BELT FEEDER DOZER TRAP MODEL 65		8,516	1.76	2.23	0.49	0.88	0.00	1.01	0.00	42				
4210	WING WALLS STATIONARY		1,203	0.24	0.31	0.07	0.12	0.00	0.14	0.00	9				
4215	TUNNEL EXTENSION W/WING WALLS		6,395	1.32	1.68	0.37	0.66	0.00	0.76	0.00	61				
4220	SINGLE DECK SCREEN SB-90 9"X54		6,623	1.37	1.73	0.38	0.68	0.00	0.78	0.00	28				
4225	DOUBLE DECK SCREEN DC-90-54 9"X54		8,684	1.79	2.28	0.49	0.89	0.00	1.03	0.00	43				
4230	TRIPLE DECK SCREEN TC-90-54 9"X54		11,558	2.38	3.03	0.66	1.18	0.00	1.37	0.00	54				
4235	XHD CONVEYOR JACKLEG		966	0.20	0.25	0.06	0.10	0.00	0.11	0.00	9				
4240	101XHD 42"X50' 1260 T/HR	84 HP D	44,419	14.70	19.46	2.46	4.25	3.29	4.87	4.33	180				
<b>OPTIONAL EQUIPMENT SELECT AS NEEDED</b>															
4250	PLATE FEEDER DOZER TRAP MODEL 45		7,589	1.57	1.99	0.44	0.78	0.00	0.90	0.00	48				
4255	BELT FEEDER DOZER TRAP MODEL 65		9,764	2.01	2.56	0.56	1.00	0.00	1.16	0.00	45				
4260	WING WALLS STATIONARY		1,203	0.24	0.31	0.07	0.12	0.00	0.14	0.00	9				
4265	TUNNEL EXTENSION W/WING WALLS		6,395	1.32	1.68	0.37	0.66	0.00	0.76	0.00	61				
4270	SINGLE DECK SCREEN SB-100 60"X10"		8,279	1.71	2.17	0.48	0.85	0.00	0.98	0.00	37				
4275	DOUBLE DECK SCREEN DC-100 60"X10"		10,738	2.21	2.82	0.61	1.10	0.00	1.28	0.00	55				
4280	TRIPLE DECK SCREEN TC-100 60"X10"		14,433	2.97	3.79	0.82	1.48	0.00	1.71	0.00	68				
4285	XHD CONVEYOR JACKLEG		966	0.20	0.25	0.06	0.10	0.00	0.11	0.00	9				
4290	101XHD 48"X50' 1700 T/HR	125 HP D	77,292	23.73	31.11	4.32	7.56	4.89	8.69	6.44	265				
<b>OPTIONAL EQUIPMENT SELECT AS NEEDED</b>															
4300	PLATE FEEDER DOZER TRAP MODEL 45		10,865	2.24	2.85	0.62	1.11	0.00	1.29	0.00	51				
4305	WING WALLS STATIONARY		1,203	0.24	0.31	0.07	0.12	0.00	0.14	0.00	9				
4310	TUNNEL EXTENSION W/WING WALLS		7,122	1.47	1.86	0.41	0.73	0.00	0.84	0.00	66				
4315	SINGLE DECK SCREEN SB-120 60"X12"		9,484	1.96	2.48	0.55	0.98	0.00	1.12	0.00	53				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>LOADERS, BELT (CONT'D)</b> *****														
<b>KOLMAN (CONT'D)</b>														
4320	DOUBLE DECK SCREEN DC-120 60"X12"	13,133	2.71	3.45	0.75	1.35	0.00	1.56	0.00	77				
4325	TRIPLE DECK SCREEN TC-120 60"X12"	17,032	3.51	4.47	0.97	1.75	0.00	2.02	0.00	80				
4330	XHD CONVEYOR JACKLEG	966	0.20	0.25	0.06	0.10	0.00	0.11	0.00	9				
4335	303 48"X50' 2000 CY/HR	125 HP D	135,867	38.15	50.47	7.54	13.07	4.89	15.00	6.44				
4340	303 48"X60' 2000 CY/HR	185 HP D	150,989	44.34	58.54	8.39	14.60	7.24	16.77	9.53				
4345	303 60"X50' 3600 CY/HR	185 HP D	156,005	47.00	62.66	8.61	14.83	7.24	17.01	9.53				
4350	303 60"X60' 3600 CY/HR	290 HP D	179,511	58.17	77.59	9.90	17.05	11.35	19.56	14.93				
4355	404 48"X50' 2000 CY/HR	185 HP D	167,166	47.61	62.64	9.32	16.28	7.24	18.71	9.53				
4360	404 48"X60' 2000 CY/HR	185 HP D	176,646	49.63	65.30	9.85	17.23	7.24	19.83	9.53				
4365	404 60"X50' 3600 CY/HR	290 HP D	200,437	61.42	81.23	11.14	19.39	11.35	22.28	14.93				
4370	404 60"X60' 3600 CY/HR	290 HP D	221,445	66.82	88.59	12.29	21.36	11.35	24.53	14.93				
<b>OPTIONAL EQUIPMENT SELECT AS NEEDED</b>														
4380	SINGLE DECK SCREEN SB-120 72"X12"	10,486	2.17	2.76	0.60	1.08	0.00	1.25	0.00	58				
4385	DOUBLE DECK SCREEN DC-120 72"X12"	13,989	2.89	3.67	0.80	1.44	0.00	1.66	0.00	85				
4390	TRIPLE DECK SCREEN TC-120 72"X12"	18,719	3.86	4.91	1.07	1.92	0.00	2.22	0.00	90				
4395	SINGLE DECK VIBRATING GRIZZLE 72" W	21,277	4.39	5.59	1.22	2.19	0.00	2.53	0.00	80				
<b>LOADERS, FRONT END, CRAWLER TYPE</b> *****														
<b>CASE</b>														
4405	350 B 3/4 CY	39 HP D	34,864	11.15	14.27	2.00	3.85	1.65	4.49	2.17				
4410	450 B 1 CY	53 HP D	46,076	14.81	18.99	2.64	5.09	2.24	5.94	2.95				
4415	850B 1-1/2 CY	72 HP D	56,056	18.45	23.67	3.20	6.18	3.04	7.23	4.00				
4420	1150 C 1-3/4 CY	105 HP D	80,397	26.56	34.09	4.61	8.88	4.43	10.36	5.84				
4425	1450 B 2-1/4 CY	140 HP D	96,019	32.58	41.84	5.49	10.60	5.91	12.38	7.79				
										290				

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							
<b>LOADERS, F.E., CRAWLER TYPE (CONT'D)</b>																
<b>CATERPILLAR</b>																
4435	931B	1 CY	65 HP D	40,985	14.21	18.26	2.35	4.53	2.74	5.28	3.62	150				
4440	943	1-1/2 CY	80 HP D	74,847	23.70	30.37	4.29	8.27	3.38	9.65	4.45	240				
4445	953	2 CY	110 HP D	94,032	30.33	38.88	5.38	10.38	4.65	12.12	6.12	290				
4450	955L	2-1/4 CY	130 HP D	101,495	33.39	42.84	5.81	11.21	5.49	13.08	7.23	348				
4455	977L	3-1/4 CY	190 HP D	154,879	50.46	64.74	8.87	17.10	8.02	19.97	10.57	512				
4460	983B	4-1/2 CY	275 HP D	239,832	77.00	98.75	13.72	26.47	11.61	30.91	15.30	750				
<b>FIAT-ALLIS</b>																
4470	FL9	1-5/8 CY	87 HP D	62,309	20.92	26.85	3.57	6.88	3.67	8.03	4.84	272				
4475	FL10C	2 CY	122 HP D	78,442	27.06	34.77	4.49	8.66	5.15	10.11	6.79	310				
4480	FL14C	2-5/8 CY	150 HP D	103,139	34.96	44.91	5.90	11.38	6.33	13.30	8.34	410				
4485	FL20	3-1/2 CY	223 HP D	148,190	50.68	65.09	8.48	16.36	9.42	19.10	12.40	605				
<b>INTERNATIONAL</b>																
4495	100-E	1-1/8 CY	65 HP D	50,346	16.58	21.29	2.88	5.56	2.74	6.49	3.62	161				
4500	125-E	1-3/8 CY	78 HP D	59,745	19.74	25.33	3.42	6.60	3.29	7.70	4.34	199				
4505	175-C	2 CY	130 HP D	93,996	31.48	40.42	5.38	10.37	5.49	12.12	7.23	332				
4510	250-C	2-3/4 CY	190 HP D	132,329	44.72	57.44	7.58	14.61	8.02	17.06	10.57	452				
<b>JOHN DEERE</b>																
4520	JD350-C	3/4 CY	42 HP D	35,812	11.54	14.82	2.05	3.95	1.77	4.61	2.34	119				
4525	JD450-C	1-1/4 CI	65 HP D	46,835	15.69	20.16	2.68	5.17	2.74	6.04	3.62	165				
<b>KOMATSU</b>																
4535	D31S-16	1.3 CY	63 HP D	42,422	14.46	18.57	2.43	4.69	2.66	5.47	3.50	156				
4540	D53S-16	1.8 CY	110 HP D	73,686	25.15	32.30	4.22	8.13	4.65	9.50	6.12	300				
4545	D57S-1	2.1 CY	135 HP D	89,472	30.61	39.33	5.12	9.87	5.70	11.54	7.51	337				
4550	D75S-3	3.3 CY	200 HP D	131,751	45.16	58.01	7.54	14.54	8.45	16.99	11.12	503				
4555	D155S-1	5.9 CY	350 HP D	256,714	85.68	109.99	14.69	28.34	14.78	33.10	19.47	950				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT						
			CONDITION	STAND-	BY	AVERAGE COND.	SEVERE COND.									
						OWNER-SHIP	FUEL	OWNER-SHIP	FUEL							
<b>LOADERS, FRONT END, WHEEL TYPE</b>																
<b>*****</b>																
<b>(ARTIC = ARTICULATED)</b>																
<b>BOBCAT</b>																
4565	MOD 310	5 C.F. SKID STEER	16 HP G	6,893	3.22	4.19	0.39	0.73	1.36	0.86	1.78	18				
4570	MOD 313	5 C.F. SKID STEER	13 HP D	8,527	2.45	3.16	0.49	0.92	0.51	1.06	0.67	19				
4575	MOD 540	6.5 C.F. SKID STEER	23 HP G	10,093	4.64	6.03	0.57	1.08	1.96	1.26	2.55	31				
4580	MOD 543	6.5 C.F. SKID STEER	19 HP D	12,027	3.47	4.48	0.69	1.30	0.74	1.50	0.98	33				
4585	MOD 610	9 C.F. SKID STEER	30 HP G	12,324	5.82	7.53	0.70	1.34	2.55	1.56	3.33	43				
4590	MOD 630	9 C.F. SKID STEER	30 HP G	11,784	5.72	7.40	0.67	1.28	2.55	1.49	3.33	34				
4595	MOD 641	10 C.F. SKID STEER	28 HP D	14,081	4.34	5.58	0.81	1.54	1.10	1.79	1.44	39				
4600	MOD 642	10 C.F. SKID STEER	32 HP G	12,633	6.10	7.89	0.72	1.37	2.72	1.60	3.55	38				
4605	MOD 742	10 C.F. SKID STEER	34 HP G	14,973	6.79	8.75	0.85	1.63	2.89	1.90	3.77	45				
4610	MOD 743	10 C.F. SKID STEER	36 HP D	16,217	5.18	6.66	0.92	1.77	1.41	2.06	1.85	46				
4615	MOD 825	12.5 C.F. SKID STEER	42 HP D	19,422	6.27	8.17	1.10	2.08	1.64	2.42	2.16	60				
4620	MOD 843	13.5 C.F. SKID STEER	54 HP D	20,870	7.20	9.37	1.17	2.23	2.11	2.60	2.78	63				
4625	MOD 974	33.8 C.F. SKID STEER	78 HP D	37,012	12.13	16.11	2.06	3.85	3.05	4.48	4.02	121				
<b>CASE</b>																
4635	W-14	1-1/2 CY ARTIC	83 HP D	53,472	15.41	19.95	3.02	5.74	3.25	6.68	4.27	137				
4640	W-18	2 CY ARTIC	103 HP D	64,250	18.62	24.07	3.64	6.92	4.03	8.07	5.30	185				
4645	W-24 C	2-1/2 CY ARTIC	132 HP D	91,229	25.68	33.21	5.16	9.82	5.17	11.45	6.80	216				
4650	W-36	3-1/2 CY ARTIC	185 HP D	121,100	35.03	45.72	6.81	12.89	7.24	15.02	9.53	332				
<b>CATERPILLAR</b>																
4660	910	1-1/4 CY ARTIC	65 HP D	47,952	13.69	18.14	2.67	5.00	2.54	5.82	3.35	143				
4665	920	1-3/4 CY ARTIC	80 HP D	63,693	17.35	22.50	3.60	6.83	3.13	7.96	4.12	186				
4670	930	2-1/4 CY ARTIC	100 HP D	72,048	20.20	26.26	4.07	7.71	3.91	8.97	5.15	206				
4675	950-B	3 CY ARTIC	130 HP D	112,922	31.08	41.24	6.29	11.77	5.09	13.69	6.69	323				
4680	966-D	4 CY ARTIC	170 HP D	150,603	41.94	56.37	8.33	15.45	6.65	17.95	8.75	426				
4685	980-C	5-1/4 CY ARTIC	260 HP D	200,688	51.66	67.51	10.48	19.31	10.18	21.78	13.39	577				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL OWNER-SHIP	SEVERE COND. FUEL					
			AVERAGE	SEVERE								
<b>LOADERS, F.E., WHEEL TYPE (CONT'D)</b>												
<b>CATERPILLAR (CONT'D)</b>												
4690	988-B	7 CY ARTIC	375 HP D	296,876	74.88	98.02	15.34	27.89	14.68	31.41	19.31	892
4695	992-C	13 CY ARTIC	690 HP D	614,259	152.39	201.62	31.51	56.86	27.01	63.98	35.53	1916
<b>CLARK</b>												
4705	35C	1-1/4 CY	82 HP D	54,405	15.88	20.92	3.04	5.72	3.21	6.66	4.22	171
4710	45C	1-1/2 CY	107 HP D	64,132	18.92	24.54	3.62	6.87	4.19	8.01	5.51	187
4715	55C	2 CY ARTIC	121 HP D	72,701	21.47	27.94	4.10	7.77	4.74	9.06	6.23	247
4720	75C	2-1/2 CY ARTIC	154 HP D	109,708	31.26	41.02	6.15	11.59	6.03	13.49	7.93	296
4725	125C	3-1/2 CY ARTIC	210 HP D	147,111	42.61	56.45	8.20	15.36	8.22	17.87	10.81	419
4730	175C	4-1/2 CY ARTIC	273 HP D	194,117	51.20	67.03	10.13	18.64	10.69	21.02	14.06	565
4735	275C	6-1/2 CY ARTIC	360 HP D	267,770	67.63	87.38	13.94	25.61	14.09	28.88	18.54	799
4740	475C	10 CY ARTIC	612 HP D	516,452	128.10	167.58	26.68	48.56	23.95	54.70	31.52	1544
<b>FIAT-ALLIS</b>												
4750	345-B	1-1/2 CY ARTIC	80 HP D	48,164	14.23	18.53	2.71	5.14	3.13	5.99	4.12	151
4755	545-B	2 CY ARTIC	102 HP D	60,535	17.84	23.10	3.42	6.51	3.99	7.59	5.25	176
4760	605-B	2-1/2 CY ARTIC	108 HP D	68,791	20.01	26.05	3.88	7.35	4.23	8.55	5.56	200
4765	645-B	3 CY ARTIC	151 HP D	91,224	27.50	36.35	5.09	9.55	5.91	11.11	7.78	246
4770	FR-20	4 CY ARTIC	215 HP D	142,516	42.01	55.70	7.94	14.86	8.42	17.27	11.07	445
4775	945-B	6 CY ARTIC	335 HP D	236,183	60.94	79.24	12.26	22.41	13.11	25.25	17.25	700
<b>INTERNATIONAL</b>												
4785	510B	1-3/8 CY	80 HP D	44,846	13.81	18.27	2.50	4.70	3.13	5.47	4.12	140
4790	515B	1-5/8 CY	100 HP D	54,898	17.03	22.47	3.07	5.76	3.91	6.69	5.15	167
4795	520B	2-1/4 CY ARTIC	120 HP D	65,034	19.98	26.10	3.66	6.92	4.70	8.05	6.18	232
4800	530	2-3/4 CY ARTIC	155 HP D	96,927	29.34	39.19	5.37	10.00	6.07	11.63	7.98	291
4805	540	3-3/4 CY ARTIC	189 HP D	133,465	38.69	51.36	7.43	13.90	7.40	16.16	9.73	360
4810	550	5-1/4 CY ARTIC	280 HP D	190,171	50.88	66.69	9.92	18.24	10.96	20.57	14.42	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	SEVERE COND.	OWNERSHIP	FUEL	SEVERE COND.				
<b>LOADERS, F.E., WHEEL TYPE (CONT'D)</b>													
<b>INTERNATIONAL (CONT'D)</b>													
4815	560B	7-1/2 CY ARTIC	415 HP D	273,255	71.37	92.18	14.24	26.17	16.24	29.51	21.37	825	
4820	570	12 CY ARTIC	590 HP D	560,546	135.04	176.36	28.99	52.82	23.09	59.49	30.38	1327	
<b>TEREX (G)</b>													
4830	72-31B	3 CY ARTIC	160 HP D	96,907	29.59	39.54	5.37	10.00	6.26	11.62	8.24	309	
4835	72-51B	4 CY ARTIC	231 HP D	146,129	40.52	53.73	7.58	13.85	9.04	15.61	11.90	465	
4840	72-61	5-1/2 CY ARTIC	307 HP D	192,116	52.57	68.89	10.02	18.43	12.02	20.79	15.81	605	
4845	72-71B	7-1/2 CY ARTIC	388 HP D	277,770	70.78	91.30	14.48	26.63	15.19	30.03	19.95	857	
4850	72-81	9 CY ARTIC	434 HP D	387,184	94.01	122.05	20.10	36.76	16.99	41.43	22.35	1166	
<b>TROJAN</b>													
4860	1500	1-3/4 CY ARTIC	85 HP D	59,594	16.83	21.87	3.36	6.37	3.33	7.43	4.38	180	
4865	1900	2-1/4 CY ARTIC	117 HP G	68,553	27.19	35.34	3.86	7.32	9.96	8.52	12.98	212	
4870	2000	3 CY ARTIC	144 HP D	97,353	28.81	38.50	5.40	10.05	5.64	11.68	7.42	306	
4875	2500	4 CY ARTIC	182 HP D	122,034	35.77	47.38	6.80	12.74	7.12	14.83	9.37	393	
4880	3000	4-1/4 CY ARTIC	215 HP D	131,251	40.65	54.95	7.21	13.31	8.42	15.45	11.07	436	
4885	5500	5-1/2 CY ARTIC	285 HP D	192,055	51.45	67.40	10.02	18.43	11.15	20.78	14.68	636	
4890	7500	7 CY ARTIC	400 HP D	256,961	67.83	87.85	13.37	24.52	15.66	27.64	20.60	846	
<b>LOADER/BACKHOE, WHEEL TYPE TRACTOR</b>													
<b>CASE</b>													
4900	580D LDR/BHOE	1.0 CY FE BUCKET 24" B/H DIPPER	55 HP D	40,305	11.00	13.88	2.29	4.21	2.15	4.88	2.83	115	
4905	680H LDR/BHOE	1-1/4 CY FE BUCKET 30" B/H DIPPER	80 HP D	58,740	16.06	20.26	3.33	6.10	3.13	7.07	4.12	165	
<b>JOHN DEERE</b>													
4915	410 LDR/BHOE	1 CY FE BUCKET 24" B/H DIPPER	62 HP D	39,385	11.25	14.25	2.22	4.06	2.43	4.71	3.19	137	
4920	510 LDR/BHOE	1-1/2 CY FE BUCKET 24" B/H DIPPER	80 HP D	60,390	16.48	20.82	3.41	6.23	3.13	7.22	4.12	205	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT		
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
<b>LOADER/BACKHOE, CRLR TYPE TRACTOR</b>												
<b>CASE</b>												
4930	350B LDR/BHOE 3/4 CY FE BUCKET 24" B/H DIPPER	39 HP D	44,391	13.57	17.36	2.54	4.90	1.65	5.72	2.17	141	
4935	450B LDR/BHOE 1 CY FE BUCKET 24" B/H DIP	53 HP D	60,032	18.36	23.51	3.44	6.63	2.24	7.74	2.95	167	
<b>CATERPILLAR</b>												
4945	931BLDR/BHOE 1 CY FE BUCKET 30" B/H DIPPER	65 HP D	55,477	17.88	22.96	3.17	6.12	2.74	7.16	3.62	207	
<b>LOADER/BACKHOE ATTACHMENTS</b>												
HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE BOOM TO FIT CASE AND JOHN DEERE BACKHOES (ADD TO BASIC LOADER-BACKHOE)												
4955	IMPACTOR WITH TAMPER TOOL		11,951	3.91		0.82	1.73	0.00			12	
4960	IMPACTOR WITH CHISEL TOOL		11,269	3.70		0.78	1.63	0.00			11	
<b>PILE EXTRACTORS</b>												
MKT CORPORATION												
4970	E2 700 FT-LBS	400CFM A	12,852	4.30		0.89	1.86	0.00			27	
4975	E4 1000 FT-LBS	550CFM A	19,408	6.47		1.34	2.82	0.00			47	
<b>VULCAN</b>												
4985	400A 500 FT-LBS	450CFM A	15,154	5.06		1.05	2.20	0.00			30	
4990	800A 1000 FT-LBS	900CFM A	20,608	6.99		1.42	2.99	0.00			57	
4995	1200A 1640 FT-LBS	1350CFM A	24,410	8.46		1.69	3.55	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	OWNER-SHIP	FUEL	OWNER-SHIP									
			AVERAGE	SEVERE													
<b>PILE HAMMERS, DIESEL</b> ***** (FUEL NOT INCLUDED)																	
MKT CORPORATION																	
5005	DE-30B/20B (6-FT) 12,000 FT-LBS	33,303	10.65		2.31	4.84	0.00		74								
5010	DE-30B/20B (6-FT) 16,800 FT-LBS	34,598	11.05		2.39	5.02	0.00		82								
5015	DE-70B/50B (6-FT) 30,000 FT-LBS	59,610	19.00		4.11	8.65	0.00		156								
5020	DE-70B/50B (6-FT) 42,000 FT-LBS	63,420	20.22		4.38	9.21	0.00		158								
<b>PILE HAMMERS, SINGLE ACTING</b> *****																	
VULCAN																	
5030	1 15000 FT-LBS 750CFM A	33,321	10.97		2.31	4.84	0.00		101								
5035	06 19500 FT-LBS 900CFM A	38,197	12.58		2.64	5.55	0.00		121								
5040	08 26000 FT-LBS 1100CFM A	44,204	14.58		3.05	6.42	0.00		175								
5045	010 32500 FT-LBS 1350CFM A	48,451	16.05		3.35	7.04	0.00		195								
5050	012 39000 FT-LBS 1500CFM A	54,551	17.91		3.77	7.92	0.00		287								
5055	014 42000 FT-LBS 1750CFM A	64,781	21.43		4.48	9.41	0.00		283								
5060	016 48750 FT-LBS 1750CFM A	75,938	24.98		5.25	11.03	0.00		320								
5065	020 60000 FT-LBS 2150CFM A	89,779	29.55		6.20	13.03	0.00		425								
5070	030 90000 FT-LBS 2350CFM A	149,171	48.53		10.31	21.66	0.00		575								
<b>PILE HAMMERS, DOUBLE ACTING</b> *****																	
MKT CORPORATION																	
5080	9-B-3 8750 FT-LBS 900CFM A	24,498	8.23		1.69	3.56	0.00		74								
5085	10-B-3 13100 FT-LBS 1200CFM A	29,238	9.88		2.02	4.25	0.00		114								
5090	11-B-3 19150 FT-LBS 1200CFM A	39,676	13.19		2.74	5.76	0.00		141								
5095	5 (SELF STOP) 1000 FT-LBS 375CFM A	10,072	3.42		0.70	1.46	0.00		17								
5100	6 (SELF STOP) 2500 FT-LBS 600CFM A	12,709	4.34		0.88	1.85	0.00		31								
5105	7 (SELF STOP) 4150 FT-LBS 750CFM A	16,434	5.61		1.14	2.39	0.00		50								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>PILE HAMMERS, DOUBLE ACTING (CONT'D)</b>														
VULCAN														
5115	50C	15100 FT-LBS	1250CFM	A	42,555	14.13	2.94	6.18	0.00	153				
5120	65C	19200 FT-LBS	1450CFM	A	48,589	16.14	3.35	7.05	0.00	153				
5125	80C	24450 FT-LBS	1750CFM	A	52,299	17.46	3.61	7.59	0.00	164				
5130	100C	32900 FT-LBS	2050CFM	A	63,045	21.01	4.35	9.15	0.00	232				
5135	140C	36000 FT-LBS	2150CFM	A	79,083	26.16	5.47	11.49	0.00	287				
5140	200C	50200 FT-LBS	2550CFM	A	113,069	37.15	7.81	16.42	0.00	398				
<b>PILE HAMMERS, VIBRATORY</b>														
MKT CORPORATION														
5150	V5	WITH POWER PACK	59 HP	D	58,745	21.63	4.06	8.53	2.31	110				
5155	V16	WITH POWER PACK	156 HP	D	114,783	44.29	7.92	16.66	6.11	215				
5160	V20	WITH POWER PACK	295 HP	D	155,981	64.34	10.77	22.64	11.55	257				
<b>PIPELAYER</b>														
*****														
CATERPILLAR														
5170	561D	15 FT BOOM, 40,000 LB CAP	105 HP	D	108,097	21.33	26.32	5.84	10.23	2.27				
5175	571G	18 FT BOOM, 60,000 LB CAP	200 HP	D	171,681	34.82	43.03	9.26	16.24	4.33				
5180	572G	18 FT BOOM, 90,000 LB CAP	200 HP	D	196,476	39.03	48.19	10.60	18.59	4.33				
5185	583K	20 FT BOOM, 150,000 LB CAP	300 HP	D	248,177	50.65	62.60	13.39	23.48	6.49				
5190	594H	24 FT BOOM, 200,000 LB CAP	410 HP	D	346,396	70.44	87.06	18.69	32.77	8.87				
<b>PUMPS, GROUT</b>														
*****														
CHEMGROUT														
5200	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM				11,170	3.10	0.70	1.51	0.00	11				
5205	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM				4,131	1.18	0.26	0.56	0.00	5				
5210	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM				16,495	4.66	1.04	2.24	0.00	18				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>PUMPS, GROUT (CONT'D)</b> *****														
<b>CHEMGROUT (CONT'D)</b>														
5215	CG-620 COLLOIDAL ADD-ON TO OG-500	7,147	1.95		0.45	0.97	0.00			11				
<b>PUMPS, WATER (FOR CORE DRILLS)</b> *****														
<b>LONGYEAR</b>														
5225	520 RQG 5-7-20 GPM UP TO 600PSI	10 HP G	6,036	2.81		0.35	0.70	1.17		7				
5230	535 RQG 9-9-35 GPM UP TO 800PSI	15 HP G	7,632	3.90		0.44	0.88	1.76		10				
<b>PUMPS, WATER, CENTRIFUGAL, DEWATERING</b> *****														
<b>HOMELITE - SKID MOUNTED</b>														
5240	MOD 110S 1-1/2"-5000 GPH @ 30' H	2 HP G	404	0.40		0.03	0.05	0.23		1				
5245	MOD 111S 2" - 9000 GPH @ 22' H	3 HP G	511	0.57		0.03	0.06	0.35		1				
5250	MOD 120S 3" - 18000 GPH @ 20' H	8 HP G	926	1.44		0.06	0.11	0.94		2				
<b>MARLOW - WHEEL MOUNTED</b>														
5260	MOD 4D2 465 GPM @ 20' HEAD	43 HP G	8,019	8.33		0.46	0.92	5.05		14				
5265	MOD 4C7 595 GPM @ 20' HEAD	30 HP D	4,623	3.23		0.27	0.54	1.64		10				
5270	MOD 6E4A 1100 GPM @ 20' HEAD	79 HP G	10,607	14.44		0.61	1.22	9.27		15				
5275	MOD 6E4A 1100 GPM @ 20' HEAD	60 HP D	15,287	7.70		0.88	1.77	3.28		24				
5280	MOD 8FA3 2320 GPM @ 20' HEAD	70 HP D	19,618	9.34		1.12	2.26	3.82		23				
5285	MOD 10FA61 2775 GPM @ 20' HEAD	68 HP D	20,868	9.45		1.20	2.41	3.71		30				
<b>PUMPS, WATER, CENTRIFUGAL, TRASH</b> *****														
<b>HOMELITE - SKID MOUNTED</b>														
5295	MOD 121TP 2" - 11500 GPH @ 20' H	5 HP G	806	0.94		0.05	0.09	0.59		1				
5300	MOD 120 3" - 23000 GPH @ 20' H	8 HP G	1,127	1.47		0.06	0.13	0.94		2				
5305	MOD 160TP 4" - 36500 GPH @ 20' H	16 HP G	2,258	2.96		0.14	0.27	1.88		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.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>PUMPS, WATER, DIAPHRAGM</b>														
*****														
HOMELITE - SKID MOUNTED														
5315	MOD 111DP 2" - 1900 GPH @ 10' HD	3 HP G	966	0.67		0.06	0.12	0.35		1				
5320	MOD 111DP 3" - 4800 GPH @ 10' HD	3 HP G	1,127	0.69		0.06	0.13	0.35		1				
<b>PUMPS, WATER, SUBmersible</b>														
*****														
HOMELITE														
5330	MOD SP200 2" - 13000 GPH @ 10' HD	2 HP E	1,227	0.30		0.08	0.15	0.06		1				
5335	MOD SP300 3" - 19000 GPH @ 15' HD	4 HP E	1,513	0.44		0.09	0.18	0.13		1				
<b>RIPPER &amp; HYDRAULIC BANK SLOPER</b>														
*****														
(DOES NOT INCLUDE COST OF POINT WEAR)														
ATECO														
5345	VRAR-1 D9H RADIAL LIFT		37,803	9.70	13.23	2.38	5.10	0.00	6.36	0.00				
5350	D-9H SHANKS EA		2,995	0.77	1.04	0.19	0.41	0.00	0.50	0.00				
5355	LPAS-D8K PARALLEL LIFT		21,998	5.68	7.73	1.39	2.97	0.00	3.70	0.00				
5360	D-8K SHANKS EA		2,156	0.55	0.76	0.13	0.29	0.00	0.37	0.00				
5365	LPAS-D7G PARALLEL LIFT		18,078	4.67	6.36	1.13	2.43	0.00	3.04	0.00				
5370	D-7G SHANKS EA		1,302	0.33	0.45	0.08	0.17	0.00	0.22	0.00				
5375	PS D6D RADIAL LIFT		8,273	2.17	2.95	0.52	1.11	0.00	1.39	0.00				
5380	D-6C SHANKS EA		289	0.07	0.10	0.02	0.04	0.00	0.05	0.00				
5385	V-LPRF-TD25C PARALLEL LIFT STD SVC		19,030	4.91	6.69	1.20	2.56	0.00	3.20	0.00				
5390	TD-25C SHANKS EA		1,718	0.44	0.60	0.11	0.23	0.00	0.29	0.00				
5395	V-LPRF-TD20E PARALLEL LIFT STD SVC		13,809	3.59	4.88	0.87	1.86	0.00	2.33	0.00				
5400	TD-20E SHANKS EA		1,239	0.32	0.43	0.08	0.17	0.00	0.21	0.00				
5405	PS-TD15C RADIAL LIFT		7,717	2.04	2.76	0.49	1.04	0.00	1.30	0.00				
5410	TD-15C SHANKS EA		269	0.07	0.09	0.02	0.04	0.00	0.04	0.00				
5415	V-LPRF 82-50 PARALLEL LIFT STD SVC		21,443	5.54	7.54	1.36	2.90	0.00	3.61	0.00				
5420	82-50 SHANKS EA		1,718	0.44	0.60	0.11	0.23	0.00	0.29	0.00				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	COND.	SEVERE	COND.					
			OWNER-SHIP	FUEL		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>RIPPER &amp; HYDR BANK SLOPER (CONT'D)</b>														
<b>*****</b>														
(DOES NOT INCLUDE COST OF POINT WEAR)														
<b>ATECO (CONT'D)</b>														
5425	LPRS-82-50 PARALLEL LIFT EXT SVC	20,801	5.36	7.31	1.31	2.80	0.00	3.50	0.00	88				
5430	82-50 SHANKS EA	3,989	1.02	1.39	0.26	0.54	0.00	0.67	0.00	19				
5435	V-LPRF-82-30 PARALLEL LIFT	19,030	4.91	6.69	1.20	2.56	0.00	3.20	0.00	89				
5440	82-30 SHANKS EA	1,718	0.44	0.60	0.11	0.23	0.00	0.29	0.00	8				
5445	D9,D8;82-30,82-50;TD25 HYDR BANK SLOP	8,077	1.77	2.24	0.47	0.93	0.00	1.08	0.00	28				
<b>CATERPILLAR</b>														
5455	D-10 MULTI-SHANK BEAM	45,887	11.76	16.05	2.89	6.19	0.00	7.73	0.00	179				
5460	D-10 SHANKS EA	3,377	0.85	1.18	0.21	0.45	0.00	0.57	0.00	15				
5465	D-10 SINGLE-SHANK BEAM	48,802	12.50	17.06	3.07	6.58	0.00	8.21	0.00	177				
5470	D-9L MULTI-SHANK BEAM W/HYD-CONTROL	39,189	10.06	13.71	2.47	5.29	0.00	6.59	0.00	162				
5475	D-9L SHANKS EA	3,043	0.77	1.06	0.19	0.41	0.00	0.51	0.00	14				
5480	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK	36,578	9.40	12.81	2.31	4.94	0.00	6.16	0.00	160				
5485	D-8K MULTI-SHANK BEAM HYD-CONTROL	25,393	6.55	8.92	1.60	3.43	0.00	4.28	0.00	103				
5490	D-8K SHANKS EA	1,702	0.43	0.60	0.11	0.23	0.00	0.29	0.00	7				
5495	D-8K SINGLE-SHANK BEAM HYD-CNTL&SHANK	24,654	6.35	8.65	1.55	3.32	0.00	4.15	0.00	100				
5500	D-7G MULTI-SHANK BEAM HYD-CONTROL	14,739	3.82	5.20	0.92	1.98	0.00	2.48	0.00	57				
5505	D-7G SHANKS EA	877	0.22	0.31	0.05	0.11	0.00	0.15	0.00	3				
5510	D-6D MULTI-SHANK BEAM HYD-CONTROL	9,212	2.41	3.28	0.58	1.24	0.00	1.55	0.00	34				
5515	D-6D SHANKS EA	442	0.11	0.16	0.03	0.06	0.00	0.08	0.00	1				
5520	D-4E MULTI-SHANK BEAM HYD-CONTROL	5,674	1.51	2.05	0.36	0.76	0.00	0.96	0.00	20				
5525	D-4E SHANKS EA	241	0.06	0.08	0.02	0.03	0.00	0.04	0.00	1				
5530	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,503	0.71	0.94	0.16	0.34	0.00	0.42	0.00	7				
5535	D-3B SHANKS EA	137	0.04	0.05	0.01	0.02	0.00	0.03	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	OWNER-SHIP	
	RIPPER & HYDR BANK SLOPER (CONT'D) ***** (DOES NOT INCLUDE COST OF POINT WEAR)									
	FIAT-ALLIS									
5545	41-R W/HYD-CNTL AND 2 SHANKS	51,655	13.20	18.03	3.25	6.96	0.00	8.69	0.00	195
5550	31-R W/HYD-CNTL AND 2 SHANKS	42,150	10.78	14.72	2.65	5.68	0.00	7.09	0.00	189
5555	30-R W/HYD-CNTL AND 2 SHANKS	27,243	6.99	9.53	1.71	3.67	0.00	4.58	0.00	108
5560	RP20B W/HYD-CNTL AND 3 SHANKS	25,632	6.58	8.98	1.62	3.46	0.00	4.32	0.00	88
	ROLLER, RUBBER TIRED, SELF-PROPELLED *****									
	FERGUSON									
5570	MOD SP-912 12 TON 85 HP D	31,419	10.57			1.78	3.42	3.33		82
5575	MOD SP-915 15 TON 85 HP D	33,611	11.02			1.91	3.67	3.33		105
5580	MOD SP-1118 18 TON 85 HP D	44,250	13.20			2.51	4.83	3.33		111
5585	MOD SP-1130 31 TON 125 HP D	74,343	21.81			4.10	7.66	4.89		228
	INGRAM									
5595	9-2600-P 12 TON 76 HP D	28,396	9.51			1.60	3.08	2.97		73
5600	9-2800-PA 12 TON 76 HP D	30,600	9.96			1.73	3.33	2.97		86
5605	9-3400-P 15 TON 78 HP D	31,389	10.22			1.78	3.42	3.05		97
5610	11-2700 15 TON 107 HP G	30,215	17.53			1.70	3.27	9.11		89
5615	11-2700 15 TON 76 HP D	33,579	10.58			1.89	3.64	2.97		91
5620	13-2300 15 TON 107 HP G	31,529	17.80			1.77	3.39	9.11		86
5625	13-2300 15 TON 76 HP D	34,922	10.88			1.97	3.78	2.97		90
5630	9-6000 27 TON 117 HP D	76,481	21.47			4.30	8.23	4.58		205
	TAMPO									
5640	SP-312 12 TON 68 HP D	31,467	9.76			1.78	3.43	2.66		66
5645	SP-518 15 TON 68 HP D	39,111	11.45			2.18	4.12	2.66		95
5650	SP-950 27 TON 130 HP D	79,748	22.76			4.49	8.61	5.09		198
5655	SP-1070 M 35 TON 130 HP D	97,117	26.42			5.46	10.42	5.09		258

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>ROLLER, RUBBER TIRED, TOWED</b>														
FERGUSON														
5665	RT-100S	52,166	10.27		2.61	4.30	0.00			200				
5670	RT-120S	60,621	12.91		3.13	5.42	0.00			218				
SOUTHWEST														
5680	C 75	66,238	13.03		3.27	5.30	0.00			363				
5685	C 50	58,776	11.66		3.00	5.11	0.00			309				
5690	C 100	92,712	18.39		4.79	8.25	0.00			551				
TAMPO														
5700	R-13	8,141	1.75		0.44	0.79	0.00			35				
<b>ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED</b>														
FERGUSON														
5710	MOD 112	40"X48"	3-7 TON	11,402	2.43	0.66	1.28	0.00		65				
5715	MOD 112W	40"X48"	4-5-8 TON	14,567	3.06	0.83	1.62	0.00		91				
5720	MOD 112W-48	48"X48"	5-10 TON	15,105	3.16	0.86	1.68	0.00		105				
5725	MOD 120	60"X60"	8-18 TON	22,616	4.70	1.30	2.53	0.00		157				
5730	MOD 120 MOD	60"X60"	8-18 TON	34,512	7.10	1.98	3.85	0.00		230				
5735	MOD 120-RE	60"X60"	11-22.5TON	50,924	10.42	2.91	5.68	0.00		327				
5740	MOD 22	60"X72"	16-20 TON	34,066	7.02	1.95	3.80	0.00		215				
5745	MOD 22 MOD	60"X72"	16-20 TON	39,540	8.12	2.27	4.41	0.00		269				
5750	MOD 144-RE	60"X72"	19-24 TON	59,942	12.25	3.44	6.69	0.00		385				
TAMPO														
5760	H-1 TF	40"X48"	2.6TON	5,077	1.15	0.29	0.57	0.00		32				
5765	H-2 TF	40"X48"	5 TON	10,253	2.19	0.59	1.14	0.00		63				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
<b>ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED</b>																			
<b>CATERPILLAR</b>																			
5775	815 B	40.5"X38"	170 HP D	137,862	36.18		7.90	15.38	6.65	418									
5780	825C	51"X41.5"	310 HP D	209,923	57.56		12.02	23.42	12.13	633									
5785	825C	W/S BLADE	310 HP D	221,069	59.81		12.65	24.65	12.13	684									
<b>HYSTER</b>																			
5795	C455-B TANDEM	80"X80" ARTIC	330 HP D	230,605	62.73		13.20	25.72	12.92	573									
<b>ROLLER, SMOOTH WHEEL, SELF-PROPELLED</b>																			
<b>FERGUSON</b>																			
5805	3-5 TON	TANDEM	39 HP D	22,594	6.48		1.29	2.52	1.53	73									
5810	4-6 TON	TANDEM	39 HP D	27,396	7.44		1.57	3.05	1.53	92									
5815	5-8 TON	TANDEM	85 HP D	37,702	11.77		2.16	4.21	3.33	121									
5820	8-10 TON	TANDEM	85 HP D	40,776	12.39		2.34	4.55	3.33	162									
5825	8-12 TON	TANDEM	85 HP D	43,973	13.03		2.52	4.90	3.33	164									
5830	10-14 TON	TANDEM	85 HP D	48,323	13.92		2.77	5.39	3.33	206									
<b>INGRAM</b>																			
5840	12 TON EB 3 WHEEL 3" OVERLAP	107 HP G	48,835	21.19		2.80	5.45	9.11		194									
5845	12 TON EB 3 WHEEL 3" OVERLAP	85 HP D	52,198	14.70		2.99	5.82	3.33		196									
5850	14 TON EB 3 WHEEL 3" OVERLAP	107 HP G	51,919	21.81		2.97	5.79	9.11		221									
5855	14 TON EB 3 WHEEL 3" OVERLAP	85 HP D	55,282	15.32		3.16	6.16	3.33		223									
5860	4-6 TON FB 2 WHEEL	TANDEM	54 HP G	22,934	10.35		1.32	2.56	4.60	82									
5865	6-9 TON GB 2 WHEEL	TANDEM	107 HP G	32,646	17.91		1.87	3.64	9.11	133									
5870	6-9 TON GB 2 WHEEL	TANDEM	76 HP D	36,010	10.98		2.06	4.02	2.97	135									
5875	8-12 TON HB 2 WHEEL	TANDEM	107 HP G	39,658	19.33		2.27	4.42	9.11	171									
5880	8-12 TON HB 2 WHEEL	TANDEM	76 HP D	43,022	12.39		2.46	4.79	2.97	173									
5885	10-14 TON HB 2 WHEEL	TANDEM	107 HP G	43,445	20.09		2.49	4.84	9.11	258									
5890	10-14 TON HB 2 WHEEL	TANDEM	76 HP D	46,827	13.16		2.68	5.22	2.97	262									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT
			CONDITION		STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	
	ROLLER, VIBRATORY, SINGLE DRUM, TOWED ***** TF = ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS								
	DYNAPAC								
5900	CK-11 40HZ 30"X55" 5 TON 18 HP G	11,723	5.82		0.74	1.53	2.11		31
5905	CF-11 40HZ TF 30"X55" 5 TON 18 HP G	14,306	6.51		0.89	1.86	2.11		32
5910	CH-47 27HZ 47"X74" 13 TON 43 HP D	29,625	10.98		1.85	3.86	2.35		130
5915	CF-47 27HZ TF 47"X74" 13 TON 43 HP D	32,106	11.67		2.01	4.19	2.35		135
5920	CK-51 25HZ 59"X83" 24 TON 95 HP D	45,930	18.96		2.88	6.00	5.19		221
5925	CF-51 25HZ TF 59"X83" 24 TON 95 HP D	47,998	19.51		3.01	6.26	5.19		216
	FERGUSON								
5935	65 25HZ TF 60"X72" 11 TON 49 HP D	33,850	12.53		2.12	4.41	2.67		110
5940	652 30HZ TF 44"X72" 11 TON 49 HP D	36,861	13.36		2.31	4.81	2.67		127
5945	230 25HZ 66"X78" 20 TON 77 HP D	55,352	20.30		3.46	7.22	4.20		234
5950	230T 25HZ TF 55"X78" 21 TON 77 HP D	60,280	21.64		3.77	7.86	4.20		268
	HISTER								
5960	C200B 30HZ 48"X60" 9 TON 36 HP D	28,592	10.24		1.79	3.73	1.97		80
5965	C210A 30HZ TF 58"X60" 9 TON 39 HP D	34,113	11.94		2.13	4.45	2.13		100
	RAYCO								
5975	SF-54A TF 38HZ 30"X54" 7.5TON 30 HP D	17,381	6.76		1.08	2.26	1.64		48
5980	SM-54A 38HZ 30"X54" 7.5TON 30 HP D	15,799	6.34		0.99	2.06	1.64		48
	SOUTHWEST								
5990	756 25HZ TF 66"X78" 23.5TON 75 HP D	68,759	23.82		4.31	8.97	4.09		240
5995	566 33HZ TF 56"X72" 25.5TON 50 HP D	52,468	17.70		3.29	6.85	2.73		165

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.										
			AVERAGE	SEVERE													
<b>ROLLER, VIBRATORY,SD,TOWED (CONT'D)</b>																	
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS																	
<b>TAMPO</b>																	
6005	VC-80	27HZ	48"X60"	7.5TON	36 HP D	21,279	8.25	1.33	2.78	1.97	71						
6010	VS-125	25HZ TF	48"X72"	11 TON	60 HP D	42,386	15.63	2.65	5.53	3.28	145						
6015	VC-400	23HZ	60"X84"	21.5TON	90 HP D	57,589	21.79	3.60	7.51	4.91	227						
<b>ROLLER,VIB,SINGLE DRUM,SELF-PROPELLED</b>																	
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS																	
<b>DYNAPAC</b>																	
6025	CA-15	29HZ	48"X66"	11 TON	73 HP D	51,723	19.09	3.23	6.69	3.99	126						
6030	CA-15A	42HZ	48"X66"	12 TON	73 HP D	57,786	20.76	3.59	7.43	3.99	137						
6035	CA-15PD	29HZ TF	53"X66"	13 TON	73 HP D	64,898	22.68	4.04	8.37	3.99	151						
6040	CA-25A	40HZ	60"X84"	18 TON	125 HP D	77,842	29.80	4.82	9.93	6.82	213						
6045	CA-25	28HZ	60"X84"	18 TON	125 HP D	62,301	25.56	3.84	7.88	6.82	193						
6050	CA-25S	28HZ	61"X84"	22 TON	125 HP D	66,021	26.58	4.07	8.37	6.82	216						
6055	CA-25PD	28HZ	68"X84"	22 TON	125 HP D	75,331	29.11	4.65	9.58	6.82	240						
6060	CA-30	28HZ	61"X84"	22 TON	125 HP D	69,497	27.52	4.29	8.82	6.82	235						
6065	CA-30D	28HZ	61"X84"	22 TON	125 HP D	85,780	31.97	5.31	10.95	6.82	245						
<b>FERGUSON</b>																	
6075	SP 266	42HZ	48"X66"	15 TON	125 HP D	68,933	27.25	4.31	8.99	6.82	213						
6080	SP 75BA	30HZ	60"X84"	18 TON	85 HP D	62,031	22.78	3.83	7.87	4.64	197						
6085	SP 75D	30HZ	60"X84"	22.5 TON	120 HP D	67,670	26.68	4.17	8.58	6.55	193						
6090	SP 75DT	30HZ TF	60"X84"	22.5 TON	120 HP D	77,409	29.34	4.78	9.85	6.55	237						

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.						
							FUEL	SEVERE COND.						
<b>ROLLER, VIBRATORY, SD, S/P (CONT'D)</b>														
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
<b>INGERSOLL RAND</b>														
6100	SPF-50 30HZ TF 56"X84"	21 TON 115 HP D	77,537	29.05		4.79	9.87	6.28	222					
6105	SP-60DD 25HZ 60"X100"	30 TON 210 HP D	121,392	47.45		7.52	15.53	11.46	400					
<b>RAYGO</b>														
6110	RASCAL 220A 30HZ TF38"X48"	6 TON 70 HP D	50,668	18.58		3.16	6.56	3.82	97					
6120	RASCAL 303A 38HZ 48"X66"	8 TON 70 HP D	51,664	18.87		3.21	6.64	3.82	137					
6125	RASCAL 320A 25HZ TF48"X60"	8 TON 80 HP D	69,494	24.40		4.34	9.02	4.37	151					
6130	RASCAL 320S 25HZ 48"X60"	8 TON 80 HP D	59,412	21.66		3.69	7.65	4.37	144					
6135	RUSTLER 304A 28HZ 48"X66"	8 TON 70 HP D	55,802	19.99		3.47	7.19	3.82	130					
6140	RASCAL 400A 25HZ 59"X84"13.5TON	88 HP D	65,579	23.95		4.04	8.31	4.80	213					
6145	RUSTLER 404B 28HZ 59"X84"13.5TON	88 HP D	76,547	26.94		4.74	9.76	4.80	184					
6150	RASCAL 410A 25HZ 59"X84"13.5TON	88 HP D	77,443	27.17		4.78	9.85	4.80	246					
6155	RASCAL 420C 25HZ TF60"X84"	16 TON 119 HP D	85,913	31.59		5.32	10.98	6.50	223					
6160	RASCAL 4000 25HZ 60"X84"	20 TON 125 HP D	74,372	28.85		4.59	9.45	6.82	209					
6165	RASCAL 510A 25HZ 60"X80"22.5TON	119 HP D	95,528	34.56		5.75	11.55	6.50	374					
6170	RASCAL 600A 25HZ 60"X100"22.5TON	119 HP D	83,273	31.21		4.99	9.95	6.50	332					
6175	RASCAL 450A 28HZ 59"X84"28.5TON	125 HP D	79,034	30.27		4.82	9.78	6.82	263					
<b>TAMPO</b>														
6185	RS-16A 26HZ 48"X24"	7.5TON 68 HP D	51,042	18.56		3.17	6.57	3.71	124					
6190	RS-16 26HZ 48"X24"	8 TON 68 HP D	44,718	16.82		2.79	5.77	3.71	115					
6195	RS-16D 26HZ 48"X24"	8 TON 80 HP D	54,228	20.23		3.38	7.01	4.37	123					
6200	RH-16A 26HZ 48"X24"	9 TON 75 HP D	59,676	21.37		3.71	7.69	4.09	153					
6205	RP-16D 26HZ TF 48"X24"	9 TON 80 HP D	59,608	21.69		3.71	7.71	4.37	127					
6210	RP-28D 25HZ TF 63"X84"	15 TON 110 HP D	78,103	28.85		4.83	9.94	6.00	212					
6215	RS-28C 25HZ 60"X84"	15 TON 107 HP D	65,148	25.11		4.01	8.25	5.84	202					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
<b>ROLLER, VIBRATORY, SD, S/P (CONT'D)</b>																			
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS																			
<b>TAMPO (CONT'D)</b>																			
6220	RS-28D	25HZ	60"X84"	15 TON	107 HP	D	70,351	26.53	4.34	8.93	5.84	208							
6225	RH-28D	26HZ	60"X34"	22.5TON	110 HP	D	89,423	31.94	5.53	11.42	6.00	259							
<b>ROLLER, VIB, DOUBLE DRUM, SELF-PROPELLED</b>																			
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS																			
<b>DYNAPAC</b>																			
6235	LR-50	60HZ	TANDEM	2 TON	16 HP	D	9,192	3.59	0.58	1.20	0.87	25							
6240	CC-10	50HZ	TANDEM	2 TON	34 HP	D	26,597	9.56	1.66	3.47	1.86	50							
6245	CC-21	50HZ	TANDEM	4 TON	71 HP	D	59,820	21.12	3.74	7.80	3.88	133							
6250	CC-42II	42HZ	TANDEM	12 TON	125 HP	D	76,869	29.42	4.81	10.03	6.82	200							
6255	CC-50A	40HZ	TANDEM	18 TON	155 HP	D	96,621	36.83	6.05	12.60	8.46	304							
6260	CC-50S	28HZ	TANDEM	22 TON	181 HP	D	111,048	42.53	6.95	14.49	9.88	342							
6265	CC-50PD	28HZ	TF TANDEM	22 TON	225 HP	D	125,840	49.54	7.88	16.42	12.28	419							
<b>RAYCO</b>																			
6275	REBEL 1-36	40HZ	TANDEM	2 TON	16 HP	D	9,400	3.65	0.59	1.23	0.87	23							
6280	ROMPER 2-36	40HZ	TANDEM	4 TON	35 HP	D	22,600	8.53	1.41	2.95	1.91	40							
6285	RUSTLER 5604A	50HZ	TANDEM	5.5TON	70 HP	D	59,228	20.89	3.71	7.73	3.82	132							
6290	RUSTLER 7204A	38HZ	TANDEM	8 TON	115 HP	D	81,737	30.08	5.12	10.67	6.28	250							
6295	RANGER 2-66	38HZ	TANDEM	8 TON	119 HP	D	94,758	33.89	5.93	12.36	6.50	215							
<b>TAMPO</b>																			
6305	RS-03	60HZ	36"X24"	2 TON	14 HP	D	9,257	3.47	0.58	1.21	0.76	23							
6310	RS-144A	50HZ	42"X48"	8 TON	52 HP	D	46,834	16.29	2.93	6.11	2.84	100							
6315	RS-166A	36HZ	48"X66"	16 TON	80 HP	D	71,085	24.80	4.45	9.27	4.37	192							
6320	RS-188A	36HZ	60"X84"	30 TON	156 HP	D	95,623	36.63	5.98	12.47	8.52	310							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.											
			AVERAGE	SEVERE														
<b>ROLLER, VIBRATORY, DD, S/P (CONT'D)</b>																		
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS																		
<b>TAMPO (CONT'D)</b>																		
6325	RH-199 25HZ 60"X96" 45 TON 262 HP D	142,592	56.61		8.93	18.60	14.30			49.1								
<b>SCRAPERS, SELF-PROPELLED</b>																		
***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)																		
<b>CATERPILLAR</b>																		
6335	613-B 13 T 11 CY P.S. 150 HP D	116,390	34.60	45.75	6.35	11.62	6.03	13.47	7.68	324								
6340	621-B 24 T 14-20 CY P.S. 330 HP D	233,752	66.96	89.66	12.66	23.93	11.90	27.88	15.64	648								
6345	623-B 25 T 22 CY P.S. 330 HP D	260,051	73.40	97.56	14.14	25.81	13.26	29.91	17.33	713								
6350	627-B 24 T 14-20 CY P.S. 225/225 HP D/D	272,494	81.06	106.89	15.19	29.63	17.15	34.68	22.25	726								
6355	627-B PP 24 T 14-20 CY P.S. 225/225 HP D/D	289,165	84.26	110.88	16.15	31.55	17.15	36.94	22.25	768								
6360	631-D 37.5T 21-31 CY P.S. 450 HP D	351,496	93.22	121.98	19.51	37.88	16.22	44.30	21.32	934								
6365	633-D 37.5T 34 CY P.S. 450 HP D	400,729	104.67	136.03	22.30	41.79	18.08	48.60	23.64	1038								
6370	637-D 37.5T 21-31 CY P.S. 450/255 HP D/D	432,291	127.44	167.64	24.13	47.17	26.87	55.23	34.86	1040								
6375	637-D PP 37.5T 21-31 CY P.S. 450/255 HP D/D	450,688	130.98	172.02	25.19	49.29	26.87	57.71	34.86	1087								
6380	641-B 47 T 28-38 CY P.S. 550 HP D	437,794	115.46	150.98	24.31	47.24	19.83	55.26	26.06	1167								
6385	651-B 52 T 32-44 CY P.S. 550 HP D	455,758	118.81	155.14	25.34	49.31	19.83	57.69	26.06	1191								
6390	657-B 52 T 32-44 CY P.S. 550/400 HP D/D	562,043	166.41	218.37	31.43	61.53	36.20	72.06	46.97	1435								
<b>CLARK</b>																		
6400	110-9 11 T 9.5CY P.S. 160 HP D	97,274	29.80	38.77	5.40	10.09	6.43	11.73	8.40	286								
6405	110-11B 13 T 11 CY P.S. 174 HP D	111,086	33.49	43.55	6.17	11.55	6.99	13.43	9.14	345								
6410	110-15B 18 T 15 CY P.S. 232 HP D	145,425	41.91	54.79	8.04	14.98	9.32	17.41	12.19	456								
6415	110H-TB 19 T 16 CY P.S. 140/140 HP D/D	197,801	56.25	74.00	11.05	21.59	10.67	25.28	13.84	521								
6420	210-HB 26.5T 23 CY P.S. 324 HP D	243,324	66.24	86.20	13.52	25.31	13.02	29.44	17.02	710								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>SCRAPERS, SELF-PROPELLED (CONT'D)</b>														
(CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PF = PUSH PULL ATTACHMENT)														
<b>FIAT-ALLIS</b>														
6430	161 18.7 T 15 CY P.S. 229 HP D	158,723	44.26	57.68	8.81	16.46	9.20	19.12	12.03	449				
6435	260B 25.0 T 15-21 CY P.S. 325 HP D	214,174	59.23	77.60	11.87	23.04	11.72	26.95	15.40	584				
6440	261B 26.5 T 23 CY P.S. 325 HP D	243,009	65.90	85.60	13.53	25.39	13.06	29.54	17.07	630				
6445	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	258,840	80.63	106.48	14.40	28.06	18.90	32.84	24.52	679				
6450	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	306,226	89.25	116.89	17.14	33.61	18.90	39.37	24.52	742				
<b>INTERNATIONAL</b>														
6460	412B 13 T 11 CY P.S. 168 HP D	114,002	33.64	43.67	6.34	11.90	6.75	13.84	8.83	335				
6465	431B 24 T 14-21 CY P.S. 326 HP D	227,198	62.06	81.31	12.59	24.42	11.75	28.55	15.45	594				
6470	433B 24 T 14-21 CY P.S. 326/185 HP D/D	266,542	82.81	109.24	14.84	28.94	19.47	33.88	25.26	690				
6475	442B 25 T 22 CY P.S. 326 HP D	253,842	68.62	89.35	14.10	26.37	13.10	30.66	17.12	680				
6480	444B 25 T 22 CY P.S. 326/185 HP D/D	299,539	89.71	118.20	16.70	32.61	19.47	38.17	25.26	805				
<b>JOHN DEERE</b>														
6490	JD762 13.7 T 11 CY P.S. 175 HP D	120,068	35.23	45.68	6.69	12.57	7.03	14.64	9.19	355				
6495	JD862 20.0 T 16 CY P.S. 250 HP D	161,235	45.77	59.64	8.95	16.73	10.04	19.45	13.13	492				
<b>TEREX (GM)</b>														
6505	S-23E 26.5T 23 CY P.S. 310 HP D	241,006	65.41	85.32	13.36	24.95	12.45	29.00	16.28	658				
6510	S-24B 40.8T 24-34 CY P.S. 475 HP D	372,578	100.65	132.86	20.50	39.45	17.12	46.09	22.51	955				
6515	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	236,377	65.48	86.47	13.18	25.70	10.98	30.07	14.24	544				
6520	TS-18 30 T 18-24 CY P.S. 295/225 HP D/D	310,753	92.29	121.44	17.35	33.90	19.82	39.69	25.71	721				
6525	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	417,094	120.11	158.12	23.28	45.49	23.59	53.27	30.60	959				
6530	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	474,453	139.68	185.32	26.34	51.18	27.32	59.87	35.45	1064				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	COND.	SEVERE	COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
SCRAPER, TRACTOR DRAWN														
ROME														
6545	ROME 18T 12-17CY HYDR/CONTROL	68,037	12.65	15.27	3.50	6.34	0.00	7.14	0.00	235				
6550	ROME 27T 18-26CY HYDR/CONTROL	89,444	16.93	20.49	4.54	8.11	0.00	9.11	0.00	365				
SOUTHWEST														
6560	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	34,862	6.53	7.89	1.78	3.20	0.00	3.60	0.00	137				
TRACTOR, CRAWLER (DOZER)														
CATERPILLAR														
6570	D-3B P.S. 65 HP D	36,267	12.24	15.76	2.07	3.84	2.74	4.46	3.62	126				
6575	3P POWER ANGLE & POWER TILT	7,399	1.63	2.07	0.42	0.85	0.00	1.00	0.00	24				
6580	D-4E P.S. 75 HP D	45,457	15.00	19.27	2.60	4.82	3.17	5.59	4.17	173				
6585	4A ANGLE BLADE HYDRAULIC	9,544	2.08	2.65	0.54	1.09	0.00	1.29	0.00	28				
6590	4S STRAIGHT BLADE HYDRAULIC	7,462	1.64	2.09	0.42	0.85	0.00	1.01	0.00	25				
6595	D-5B P.S. 105 HP D	75,437	23.79	30.56	4.31	7.99	4.43	9.28	5.84	223				
6600	5A ANGLE BLADE HYDRAULIC	11,925	2.57	3.28	0.68	1.36	0.00	1.60	0.00	43				
6605	5S STRAIGHT BLADE HYDRAULIC	9,183	2.00	2.55	0.53	1.05	0.00	1.24	0.00	32				
6610	D-6D P.S. 140 HP D	102,602	32.20	41.36	5.86	10.87	5.91	12.62	7.79	274				
6615	6S STRAIGHT BLADE HYDRAULIC	12,088	2.62	3.33	0.69	1.39	0.00	1.63	0.00	49				
6620	6A ANGLE BLADE HYDRAULIC	13,652	2.95	3.75	0.78	1.57	0.00	1.84	0.00	53				
6625	D-7G P.S. 200 HP D	146,224	45.94	58.95	8.36	15.50	8.45	17.97	11.12	377				
6630	7S STRAIGHT BLADE HYDRAULIC	19,441	4.17	5.31	1.11	2.23	0.00	2.62	0.00	77				
6635	7U HYD. UNIVERSAL BLADE	21,296	4.55	5.81	1.22	2.44	0.00	2.87	0.00	84				
6640	7A ANGLE BLADE HYDRAULIC	16,967	3.65	4.65	0.98	1.95	0.00	2.29	0.00	68				
6645	D-8K P.S. 300 HP D	196,001	52.69	66.00	10.54	19.22	12.67	21.64	16.69	638				
6650	8S STRAIGHT BLADE HYDRAULIC	28,456	6.06	7.75	1.63	3.26	0.00	3.84	0.00	121				
6655	8U HYD. UNIVERSAL BLADE	31,355	6.69	8.53	1.80	3.61	0.00	4.23	0.00	133				
6660	8A ANGLE BLADE HYDRAULIC	24,229	5.17	6.60	1.39	2.78	0.00	3.26	0.00	116				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
<b>TRACTOR, CRAWLER (DOZER) (CONT'D)</b>																			
<b>CATERPILLAR (CONT'D)</b>																			
6665	PUSH PLATE USE W/BS	744	0.21	0.25	0.05	0.09	0.00	0.10	0.00	4									
6670	D-9L P.S. 460 HP D	306,250	75.46	92.90	15.57	28.15	19.45	31.08	25.59	977									
6675	9S STRAIGHT BLADE HYDRAULIC	39,147	8.32	10.63	2.24	4.49	0.00	5.28	0.00	184									
6680	9A ANGLE BLADE HYDRAULIC	30,564	6.51	8.31	1.76	3.51	0.00	4.12	0.00	152									
6685	9U HYD. UNIVERSAL BLADE	41,394	8.80	11.23	2.38	4.76	0.00	5.58	0.00	195									
6690	9C CUSHION BLADE	34,347	7.30	9.33	1.97	3.94	0.00	4.63	0.00	154									
6695	REAR CUSHION PUSH BLOCK	10,408	2.32	2.93	0.60	1.20	0.00	1.41	0.00	54									
6700	FRONT PUSH PLATE	1,121	0.31	0.37	0.06	0.13	0.00	0.15	0.00	7									
6705	D-10 P.S. 700 HP D	516,052	123.29	151.44	26.24	47.45	29.56	52.37	38.93	1526									
6710	10S STRAIGHT BLADE HYDRAULIC	59,375	12.58	16.08	3.40	6.81	0.00	8.00	0.00	280									
6715	10U HYD. UNIVERSAL BLADE	65,174	13.80	17.65	3.73	7.48	0.00	8.79	0.00	289									
6720	FRONT PUSH PLATE	1,293	0.34	0.41	0.08	0.15	0.00	0.17	0.00	7									
6725	REAR PUSH BLOCK	17,877	3.83	4.89	1.02	2.05	0.00	2.41	0.00	48									
<b>FIAT-ALLIS</b>																			
6735	8-B P.S. 88 HP D	55,341	18.07	23.21	3.16	5.86	3.72	6.80	4.89	189									
6740	8-HA ANGLE BLADE HYDRAULIC	8,146	1.78	2.27	0.47	0.93	0.00	1.10	0.00	30									
6745	8-HSU SEMI-U BLADE HYDRAULIC	8,135	1.76	2.25	0.47	0.93	0.00	1.10	0.00	30									
6750	10-C P.S. 122 HP D	73,991	24.39	31.37	4.22	7.83	5.15	9.10	6.79	256									
6755	10-HA ANGLE BLADE HYDRAULIC	9,091	1.99	2.52	0.53	1.05	0.00	1.22	0.00	36									
6760	10-HSU SEMI-U BLADE HYDRAULIC	11,071	2.38	3.03	0.63	1.27	0.00	1.49	0.00	38									
6765	14-C P.S. 150 HP D	102,231	32.67	41.97	5.84	10.83	6.33	12.57	8.34	306									
6770	14-HA ANGLE BLADE HYDRAULIC	13,882	2.99	3.81	0.80	1.59	0.00	1.87	0.00	51									
6775	14-HSU SEMI-U BLADE HYDRAULIC	13,861	2.97	3.79	0.80	1.59	0.00	1.87	0.00	51									
6780	20 P.S. 223 HP D	129,841	43.32	55.68	7.42	13.76	9.42	15.96	12.40	453									
6785	20-HA ANGLE BLADE HYDRAULIC	14,880	3.21	4.09	0.86	1.71	0.00	2.01	0.00	66									
6790	20-HS STRAIGHT BLADE HYDRAULIC	15,598	3.36	4.28	0.89	1.79	0.00	2.11	0.00	66									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE 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>														
6795	20-HSU SEMI-U BLADE HYDRAULIC	21,080	4.49	5.73	1.21	2.42	0.00	2.84	0.00	79				
6800	30-C P.S. 300 HP D	194,086	52.33	65.56	10.43	19.03	12.67	21.43	16.64	136				
6805	30HSU HYD. SEMI-UNIVERSAL BLADE	29,505	6.26	8.01	1.69	3.38	0.00	3.98	0.00	127				
6810	30-HU FULL-U BLADE HYDRAULIC	29,816	6.34	8.09	1.71	3.43	0.00	4.02	0.00	114				
6815	31 P.S. 425 HP D	267,251	72.68	91.11	14.36	26.20	17.95	29.51	23.64	908				
6820	31-HSU SEMI-U BLADE HYDRAULIC	44,408	9.41	12.03	2.54	5.10	0.00	5.99	0.00	190				
6825	31-HU FULL-U BLADE HYDRAULIC	45,633	9.67	12.37	2.62	5.24	0.00	6.16	0.00	210				
6830	31-HC CUSHION BLADE	28,504	6.08	7.76	1.64	3.28	0.00	3.84	0.00	120				
6835	41-B P.S. 524 HP D	386,304	92.30	113.36	19.64	35.52	22.13	39.21	29.14	1128				
6840	41-HSU SEMI-U BLADE HYDRAULIC	51,347	10.88	13.90	2.95	5.90	0.00	6.92	0.00	222				
6845	41-HU FULL-U BLADE HYDRAULIC	58,534	12.39	15.84	3.35	6.72	0.00	7.89	0.00	254				
6850	41-HC CUSHION BLADE	32,536	6.93	8.85	1.87	3.74	0.00	4.39	0.00	120				
<b>INTERNATIONAL</b>														
6860	TD-7-E P.S. W/HYD BLADE	65 HP D	47,544	14.92	19.18	2.71	5.03	2.74	5.85	3.62				
6865	TD-8-E P.S. W/HYD BLADE	78 HP D	59,038	18.38	23.61	3.37	6.25	3.29	7.26	4.34				
6870	TD-12 P.S. W/HYD BLADE	110 HP D	81,908	25.62	32.88	4.68	8.68	4.65	10.07	6.12				
6875	TD-15-C P.S. 140 HP D	97,668	31.03	39.85	5.58	10.35	5.91	12.00	7.79	271				
6880	15D-2 HYD. SEMI-UNIVERSAL BLADE	11,359	2.44	3.11	0.65	1.30	0.00	1.53	0.00	46				
6885	15G-2 ANGLE BLADE HYDRAULIC	12,794	2.75	3.51	0.74	1.47	0.00	1.73	0.00	50				
6890	TD-20-E P.S. 210 HP D	145,814	46.39	59.58	8.33	15.45	8.87	17.93	11.68	414				
6895	20D-2 HYD. SEMI-UNIVERSAL BLADE	19,937	4.25	5.43	1.14	2.29	0.00	2.69	0.00	61				
6900	20G-2 ANGLE BLADE HYDRAULIC	13,704	2.93	3.74	0.78	1.57	0.00	1.84	0.00	71				
6905	TD-25-E P.S. 310 HP D	191,135	52.29	65.57	10.27	18.74	13.09	21.10	17.24	604				
6910	25D-2 HYD. SEMI-UNIVERSAL BLADE	24,852	5.29	6.75	1.43	2.86	0.00	3.35	0.00	113				
6915	25G-2 ANGLE BLADE HYDRAULIC	20,694	4.42	5.63	1.19	2.38	0.00	2.79	0.00	115				
6920	FRONT PUSHER CUSHION	8,543	1.88	2.37	0.50	0.99	0.00	1.15	0.00	29				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP		
	TRACTOR, CRAWLER (DOZER) (CONT'D)										
	INTERNATIONAL (CONT'D)										
6925	REAR PUSHER CUSHION	5,012	1.17	1.48	0.29	0.57	0.00	0.68	0.00	23	
6930	FRONT PUSH BLOCK /S BLD	849	0.25	0.29	0.05	0.10	0.00	0.11	0.00	12	
	JOHN DEERE										
6940	JD350C/6305 D.D. W/HYD BLADE	42 HP D	31,625	9.86	12.67	1.81	3.35	1.77	3.89	2.34	107
6945	JD450C/6405 D.D. W/HYD BLADE	65 HP D	43,997	14.08	18.10	2.52	4.66	2.74	5.41	3.62	143
6950	JD550/6405 P.S. W/HYD BLADE	72 HP D	52,417	16.47	21.15	2.99	5.55	3.04	6.44	4.00	155
	KOMATSU										
6960	D31A-16 H.S.	63 HP D	35,928	12.06	15.49	2.06	3.81	2.66	4.41	3.50	128
6965	ANGLE TILTDOZER BLADE		5,819	1.28	1.63	0.33	0.67	0.00	0.79	0.00	20
6970	D45A-1 H.S.	90 HP D	54,013	17.86	22.97	3.09	5.72	3.80	6.64	5.01	200
6975	ANGLE TILTDOZER BLADE		4,238	0.95	1.20	0.24	0.49	0.00	0.58	0.00	24
6980	D53A-16A H.S.	118 HP D	78,495	25.24	32.43	4.49	8.32	4.98	9.65	6.56	246
6985	ANGLE TILTDOZER BLADE		7,075	1.54	1.96	0.41	0.81	0.00	0.96	0.00	42
6990	D65E-6 H.S.	155 HP D	110,330	34.88	44.79	6.31	11.69	6.55	13.56	8.62	377
6995	ANGLE TILTDOZER BLADE		9,288	2.00	2.55	0.53	1.06	0.00	1.25	0.00	61
7000	D85A-18 H.S.	220 HP D	138,951	45.31	58.23	7.94	14.72	9.29	17.08	12.24	437
7005	ANGLE TILTDOZER BLADE		14,564	3.13	3.98	0.84	1.68	0.00	1.97	0.00	99
7010	U-DOZER BLADE		15,526	3.32	4.24	0.89	1.78	0.00	2.10	0.00	104
7015	D155A-1 H.S.	320 HP D	198,993	54.30	68.08	10.69	19.51	13.51	21.97	17.80	690
7020	ANGLE TILTDOZER BLADE		20,022	4.27	5.45	1.15	2.30	0.00	2.70	0.00	140
7025	U-DOZER BLADE		21,099	4.49	5.74	1.21	2.42	0.00	2.84	0.00	142
7030	D355A-3 H.S.	410 HP D	268,150	72.05	90.26	14.41	26.29	17.31	29.60	22.80	945
7035	U-DOZER BLADE		27,262	5.80	7.40	1.56	3.13	0.00	3.67	0.00	196
7040	Straight dozer blade		24,867	5.30	6.75	1.43	2.86	0.00	3.35	0.00	184
7045	D455A-1 H.S.	620 HP D	473,688	112.01	137.48	24.08	43.55	26.18	48.07	34.48	1445
7050	FULL U-DOZER BLADE		63,639	13.47	17.22	3.65	7.31	0.00	8.58	0.00	229

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>TRACTOR, CRAWLER (DOZER) (CONT'D)</b>														
KOMATSU (CONT'D)														
7055	U-DOZER BLADE	59,777	12.65	16.17	3.43	6.87	0.00	8.06	0.00	211				
7060	STRAIGHT DOZER BLADE	55,914	11.83	15.13	3.20	6.42	0.00	7.54	0.00	193				
TEREX (GM)														
7070	82-20B P.S. (W/O BLADE) 205 HP D	150,368	47.19	60.59	8.60	15.93	8.66	18.49	11.40	409				
7075	SEMI-U BLADE HYDRAULIC	14,301	3.07	3.91	0.83	1.65	0.00	1.93	0.00	58				
7080	ANGLE BLADE HYDRAULIC	16,043	3.43	4.38	0.92	1.84	0.00	2.17	0.00	69				
7085	FULL-U BLADE HYDRAULIC	16,404	3.51	4.47	0.95	1.89	0.00	2.21	0.00	68				
7090	82-30B P.S. (W/O BLADE) 260 HP D	173,465	46.33	58.03	9.32	17.01	10.98	19.15	14.46	555				
7095	SEMI-U BLADE HYDRAULIC	20,293	4.33	5.53	1.16	2.33	0.00	2.74	0.00	91				
7100	ANGLE BLADE HYD. W/DUAL TILT	26,597	5.65	7.23	1.52	3.05	0.00	3.59	0.00	118				
7105	FULL-U BLADE HYDRAULIC	23,060	4.91	6.27	1.32	2.65	0.00	3.11	0.00	107				
7110	REAR CUSHION PUSH BLOCK	6,677	1.51	1.91	0.38	0.76	0.00	0.90	0.00	30				
7115	82-50B P.S. (W/O BLADE) 370 HP D	246,660	65.90	82.53	13.25	24.18	15.63	27.23	20.58	776				
7120	SEMI-U BLADE HYDRAULIC	26,507	5.63	7.20	1.52	3.04	0.00	3.57	0.00	118				
7125	FULL-U BLADE HYDRAULIC	29,049	6.18	7.89	1.67	3.34	0.00	3.92	0.00	129				
7130	ANGLE BLADE HYDRAULIC	26,123	5.56	7.10	1.50	3.00	0.00	3.53	0.00	157				
7135	PUSH PLATE (WELD ON)	1,083	0.27	0.34	0.06	0.12	0.00	0.14	0.00	6				
7140	PUSH BLOCK (CUSHION REAR)	6,098	1.38	1.74	0.35	0.70	0.00	0.82	0.00	21				
<b>TRACTOR, WHEEL TYPE (DOZER)</b>														
CATERPILLAR														
7150	814-B ARTICULATED ST BLADE P.S. 210 HP D	141,275	38.07	50.73	7.91	14.98	8.22	17.45	10.81	420				
7155	824-C ARTICULATED ST BLADE P.S. 310 HP D	217,158	59.22	80.64	12.03	22.54	12.13	26.23	15.96	621				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
<b>TRACTOR, WHEEL TYPE (DOZER) (CONT'D)</b>																			
CLARK																			
7165	280 ARTICULATED ST BLADE P.S. 274 HP D	236,367	61.46	84.05	13.08	24.48	10.72	28.47	14.11	631									
7170	380B ARTICULATED ST BLADE P.S. 473 HP D	385,506	97.89	131.26	21.31	39.83	18.51	46.31	24.36	1233									
<b>TRACTOR, WHEEL TYPE (FARM)</b>																			
JOHN DEERE																			
7180	MOD 301 A 43 HP D	14,086	4.83	6.33	0.79	1.51	1.68	1.76	2.21	0									
7185	MOD 302 50 HP D	15,748	5.48	7.13	0.89	1.70	1.96	1.98	2.57	0									
7190	MOD 401 B 62 HP D	21,233	7.08	9.21	1.20	2.29	2.43	2.68	3.19	0									
<b>TRENCHER, CHAIN - DITCH WITCH</b>																			
7200	MOD C99 6"X24" TRENCH	9 HP G	3,041	1.71	2.20	0.17	0.32	0.77	0.36	1.00									
7205	MOD 2200 8"X36" TRENCH	17 HP G	13,489	4.95	6.39	0.77	1.45	1.45	1.68	1.89									
7210	MOD 2300 10"X36" TRENCH	28 HP G	15,438	6.62	8.56	0.88	1.67	2.38	1.94	3.11									
7215	MOD 6510 12"X54" TRENCH	64 HP D	34,012	10.89	14.08	1.93	3.63	2.50	4.23	3.30									
7220	MOD R100 10"X72" TRENCH	105 HP D	73,195	21.86	28.23	4.13	7.74	4.11	8.99	5.41									
<b>TRENCHER, WHEEL TYPE</b>																			
BARBER-GREENE																			
7230	MOD TA 56 16"X5'-10" TRENCH	100 HP D	119,604	31.83	40.94	6.84	13.01	3.91	15.16	5.15									
7235	MOD TA 65 28"X7'-6" TRENCH	175 HP D	172,546	47.48	61.09	9.87	18.78	6.85	21.88	9.01									
<b>CLEVELAND</b>																			
7245	MOD 247-HD-1 21"X7' TRENCH	84 HP D	135,450	34.60	44.45	7.75	14.75	3.29	17.18	4.33									
7250	MOD 400W-HD-1 36"X9' TRENCH	175 HP D	234,759	61.44	78.96	13.43	25.55	6.85	29.77	9.01									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
TRUCKS, HIGHWAY ***** (CHASSIS ONLY)																			
FORD																			
7265	F150 4X2 1/2T PKUP	6100 GVW 157 HP G	6,921	5.70	7.64	0.43	0.87	3.04	1.08	4.05									
7270	F150 4X4 1/2T PKUP	6250 GVW 157 HP G	8,551	6.09	8.19	0.53	1.08	3.04	1.33	4.05									
7275	F250 4X2 3/4T PKUP	6900 GVW 157 HP G	7,362	5.86	7.85	0.45	0.91	3.04	1.13	4.05									
7280	F250 4X4 3/4T PKUP	7400 GVW 157 HP G	8,876	6.25	8.39	0.55	1.10	3.04	1.36	4.05									
7285	F350 2AX	10000 GVW 157 HP G	8,386	6.20	8.28	0.51	1.02	3.04	1.25	4.05									
7290	F600 2AX	18500 GVW 154 HP G	15,098	12.71	16.59	0.92	1.84	6.95	2.27	8.94									
7295	F600 2AX	18500 GVW 162 HP D	20,649	9.72	12.91	1.26	2.55	3.89	3.16	5.05									
7300	F700 2AX	24500 GVW 177 HP G	17,393	14.58	19.02	1.06	2.13	7.99	2.63	10.27									
7305	F700 2AX	24500 GVW 162 HP D	23,321	10.30	13.70	1.43	2.90	3.89	3.59	5.05									
7310	F800 2AX	27000 GVW 177 HP G	19,553	15.11	19.72	1.19	2.39	7.99	2.94	10.27									
7315	F800 2AX	27000 GVW 162 HP D	24,836	10.93	14.48	1.49	2.97	3.89	3.66	5.05									
7320	LT800 3AX	43000 GVW 223 HP G	29,846	26.80	34.98	1.81	3.62	14.96	4.47	19.27									
7325	LT8000 3AX	44800 GVW 175 HP D	40,857	17.61	23.43	2.48	5.00	6.30	6.18	8.19									
7330	LTS8000 3AX	46000 GVW 175 HP D	42,744	18.08	24.04	2.59	5.20	6.30	6.41	8.19									
7335	LNT8000 3AX	46000 GVW 175 HP D	40,425	17.57	23.35	2.44	4.89	6.30	6.04	8.19									
7340	CT8000 3AX	46000 GVW 175 HP D	47,084	19.03	25.33	2.86	5.76	6.30	7.11	8.19									
7345	LT9000 3AX 58000 GVW	82000 GCW 239 HP D	61,871	25.78	34.31	3.72	7.44	8.60	9.19	11.19									
7350	LTS9000 3AX 60000 GVW	82000 GCW 239 HP D	65,689	26.67	35.47	3.96	7.91	8.60	9.75	11.19									
7355	LNT9000 3AX 60000 GVW	82000 GCW 239 HP D	62,330	25.93	34.48	3.74	7.47	8.60	9.21	11.19									
7360	CLT9000 3AX	82000 GCW 286 HP D	61,182	27.75	36.82	3.69	7.38	10.30	9.10	13.38									
GMC AND CHEVROLET																			
7370	C10903 4X2 1/2T PKUP	6200 GVW 165 HP G	7,395	6.04	8.08	0.46	0.93	3.19	1.14	4.26									
7375	C10906 4X2 WAGON	6400 GVW 165 HP G	9,123	6.44	8.63	0.57	1.15	3.19	1.42	4.26									
7380	K10906 4X4 WAGON	6800 GVW 165 HP G	10,243	6.69	9.01	0.63	1.29	3.19	1.60	4.26									
7385	C20903 4X2 3/4T PKUP	7100 GVW 165 HP G	8,672	6.34	8.49	0.54	1.09	3.19	1.34	4.26									
7390	K20903 4X4 3/4T PKUP	6800 GVW 165 HP G	9,895	6.65	8.94	0.61	1.25	3.19	1.54	4.26									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>TRUCKS, HIGHWAY (CONT'D)</b>														
<b>(CHASSIS ONLY)</b>														
<b>GMC AND CHEVROLET (CONT'D)</b>														
7395	C30903 2AX	9000 GVW 160 HP G	8,183	6.12	8.18	0.50	1.02	3.10	1.26	4.13	45			
7400	C5D042 2AX	16000 GVW 161 HP G	12,773	12.56	16.34	0.78	1.57	7.27	1.94	9.35	59			
7405	C6D042 2AX	19200 GVW 161 HP G	14,376	12.98	16.91	0.87	1.74	7.27	2.15	9.35	64			
7410	C6D042 2AX	21200 GVW 165 HP D	19,701	9.60	12.75	1.20	2.43	3.96	3.01	5.15	73			
7415	C7D042 2AX	23160 GVW 179 HP G	15,721	14.40	18.75	0.95	1.89	8.08	2.33	10.39	71			
7420	C7D042 2AX	27500 GVW 185 HP D	26,874	11.92	15.84	1.63	3.29	4.44	4.07	5.77	92			
7425	C7D064 3AX	44500 GVW 195 HP G	29,344	24.37	31.82	1.76	3.48	13.08	4.29	16.85	121			
7430	C7D064 3AX	44860 GVW 205 HP D	34,158	17.60	23.30	2.05	4.10	7.38	5.07	9.59	128			
7435	J8C042 2AX	35000 GVW 235 HP D	38,353	19.94	26.37	2.31	4.61	8.46	5.68	11.00	102			
7440	J8C064 3AX	44860 GVW 210 HP D	40,240	19.16	25.40	2.44	4.90	7.56	6.04	9.83	128			
7445	J9C042 2AX	35000 GVW 230 HP D	44,106	17.42	23.16	2.67	5.35	5.52	6.60	7.18	118			
7450	J9C064 3AX	50000 GVW 335 HP D	54,857	28.09	37.24	3.35	6.79	12.06	8.39	15.68	148			
7455	N9E064 3AX	56000 GVW 307 HP D	64,087	28.87	38.39	3.91	7.94	11.05	9.82	14.37	165			
7460	D9K064 3AX	69000 GVW 307 HP D	57,830	27.44	36.44	3.53	7.17	11.05	8.87	14.37	138			
<b>INTERNATIONAL</b>														
7470	SCOUT 4X4	6200 GVW 97 HP G	7,911	4.43	5.96	0.49	1.00	1.88	1.23	2.50	30			
7475	1624 2AX	20000 GVW 147 HP G	12,078	11.56	15.05	0.73	1.47	6.64	1.82	8.53	57			
7480	1724 2AX	20000 GVW 147 HP G	12,546	11.66	15.19	0.76	1.53	6.64	1.90	8.53	65			
7485	1754 2AX	20000 GVW 165 HP D	17,366	9.03	11.95	1.07	2.17	3.96	2.67	5.15	71			
7490	1824 2AX	21000 GVW 189 HP G	13,319	14.33	18.64	0.81	1.63	8.53	2.02	10.97	68			
7495	1854 2AX	23000 GVW 180 HP D	19,797	10.08	13.37	1.20	2.44	4.32	3.02	5.62	74			
7500	1924 2AX	25000 GVW 190 HP G	15,600	14.97	19.50	0.95	1.90	8.58	2.35	11.03	79			
7505	1954 2AX	25000 GVW 210 HP D	25,607	12.27	16.29	1.57	3.20	5.04	3.95	6.55	100			
7510	F2554 3AX	43000 GVW 210 HP D	42,171	19.57	25.97	2.55	5.14	7.56	6.35	9.83	123			
7515	F2574 3AX	50000 GVW 230 HP D	50,314	22.27	29.59	3.07	6.20	8.28	7.66	10.76	123			
7520	F4370 3AX	46000 GVW 290 HP D	52,994	25.61	33.98	3.24	6.55	10.44	8.09	13.57	133			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>TRUCKS, HIGHWAY (CONT'D)</b>														
<b>*****</b> <b>(CHASSIS ONLY)</b>														
<b>INTERNATIONAL (CONT'D)</b>														
7525	F5050	3AX 52000 GVW 225 HP D	51,338	22.26	29.60	3.13	6.33	8.10	7.82	10.53	138			
7530	F5070	3AX 52000 GVW 290 HP D	55,082	26.06	34.61	3.36	6.82	10.44	8.43	13.57	140			
<b>KENWORTH</b>														
7540	K100	3AX 47400 GVW 72800 GCW 290 HP D	67,554	28.82	38.37	4.14	8.41	10.44	10.40	13.57	138			
7545	W900	3AX 50000 GVW 76800 GCW 290 HP D	68,784	29.09	38.74	4.21	8.57	10.44	10.60	13.57	140			
7550	C500	3AX 56000 GVW 86000 GCW 290 HP D	75,795	30.61	40.83	4.65	9.48	10.44	11.73	13.57	144			
<b>PETERBILT</b>														
7560	MOD 348	3AX 56000 GVW 250 HP D	65,036	26.52	35.32	3.96	8.02	9.00	9.91	11.70	121			
7565	MOD 362	3AX 50000 GVW 76800 GCW 350 HP D	71,633	32.49	43.19	4.40	8.95	12.60	11.06	16.38	131			
7570	MOD 359	3AX 50000 GVW 76800 GCW 350 HP D	77,309	33.70	44.89	4.74	9.67	12.60	11.98	16.38	134			
7575	MOD 353	3AX 73000 GVW 125000 GCW 350 HP D	80,640	34.44	45.87	4.96	10.11	12.60	12.51	16.38	174			
7580	MOD 387	3AX 83000 GVW 150000 GCW 350 HP D	108,290	40.46	54.09	6.69	13.70	12.60	16.95	16.38	193			
<b>TRUCK ACCESSORIES</b>														
<b>*****</b> <b>(CHASIS NOT INCLUDED)</b>														
<b>CRANES, HYDRAULIC</b>														
7590	5.3T <sup>05</sup> 'RAD	24000 GVW MIN	22,310	5.38		1.41	3.04	0.00			79			
7595	8.0T <sup>03</sup> 'RAD	26500 GVW MIN	26,970	6.48		1.71	3.67	0.00			84			
7600	12.5T <sup>04</sup> 'RAD	27000 GVW MIN	41,947	10.01		2.65	5.70	0.00			142			
7605	13.5T <sup>04</sup> 'RAD	44000 GVW MIN	52,222	12.45		3.30	7.10	0.00			158			
7610	15.0T <sup>04</sup> 'RAD	48000 GVW MIN	59,772	14.23		3.77	8.12	0.00			211			
<b>DUMP BODY, REAR, W/HOIST</b>														
7620	5CY	24000 TO 26000 GVW	5,697	1.42	1.92	0.36	0.77	0.00	0.97	0.00	26			
7625	AIR GATE	8CY 27000 TO 30000 GVW	9,024	2.22	2.99	0.57	1.23	0.00	1.53	0.00	44			
7630	AIR GATE	10CY 36000 AND UP GVW	9,128	2.24	3.03	0.57	1.24	0.00	1.55	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	
	TRUCK ACCESSORIES (CONT'D) ***** (CHASIS NOT INCLUDED)									
	DUMP BODY, REAR, W/HOIST (CONT'D)									
7635	AIR GATE 12CY 36000 AND UP GVW	9,262	2.27	3.07	0.59	1.26	0.00	1.57	0.00	46
	FLATBEDS									
7645	8'X9.5'	1,853	0.44		0.12	0.25	0.00			11
7650	8'X10.5'	1,916	0.45		0.12	0.26	0.00			12
7655	8'X12.5'	2,101	0.49		0.13	0.28	0.00			14
7660	8'X14.5'	2,492	0.59		0.16	0.34	0.00			16
7665	8'X16.5'	2,733	0.66		0.18	0.38	0.00			18
7670	FLATBED-HOIST	2,544	0.61		0.16	0.35	0.00			10
7675	FLATBED-SIDEBOARDS	731	0.17		0.05	0.10	0.00			3
	HOISTS, ELECTRIC									
7685	1500LB@1.75'	1,947	0.55		0.13	0.27	0.00			4
7690	2400LB@3'	2,514	0.67		0.16	0.34	0.00			6
7695	5000LB@4'	6,845	1.70		0.44	0.93	0.00			15
7700	6000LB@6'	7,597	1.87		0.48	1.03	0.00			14
	TRANSIT MIXERS									
7710	7 CY 40000 - 50000 GVW RQD	24,325	5.87		1.53	3.30	0.00			63
7715	8 CY 50000 - 70000 GVW RQD	24,717	5.97		1.56	3.36	0.00			66
7720	8.5CY 55000 - 75000 GVW RQD	24,979	6.03		1.58	3.39	0.00			68
7725	9 CY 61000 - 80000 GVW RQD	25,366	6.11		1.60	3.44	0.00			73
	WATER TANKS									
7735	2000 GAL 23500-28000 GVW	10,884	2.58		0.69	1.48	0.00			35
7740	2500 GAL 25000-34950 GVW	11,481	2.72		0.73	1.56	0.00			39
7745	3000 GAL 29000-40000 GVW	12,221	2.89		0.77	1.66	0.00			44

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRUCK TRAILERS														
*****														
BOTTOM DUMP														
7755	18CY 27T	26,922	5.33	6.73	1.49	2.91	0.00	3.40	0.00	122				
7760	20CY 30T	30,981	6.09	7.72	1.72	3.35	0.00	3.93	0.00	140				
7765	30CY 30T	30,828	6.07	7.69	1.71	3.34	0.00	3.92	0.00	160				
7770	28CY 42T	38,870	7.59	9.64	2.16	4.23	0.00	4.97	0.00	180				
7775	20CY 35T OFF-HIGHWAY	40,571	8.14	10.26	2.22	4.27	0.00	4.99	0.00	175				
7780	32CY 55T OFF-HIGHWAY	84,734	16.67	21.11	4.68	9.09	0.00	10.64	0.00	365				
7785	43CY 70T OFF-HIGHWAY	93,983	18.99	23.95	5.09	9.69	0.00	11.31	0.00	445				
END DUMP														
7795	20CY 24T	32,006	6.26	7.94	1.78	3.49	0.00	4.09	0.00	146				
LOWBOY, RIGID NECK, DROP DECK														
7805	25 TON 2 AXLE	20,006	3.54		1.10	1.89	0.00			89				
7810	30 TON 2 AXLE	22,718	3.99		1.25	2.15	0.00			94				
7815	35 TON 2 AXLE	27,500	4.78		1.52	2.62	0.00			109				
7820	35 TON 3 AXLE	28,197	5.01		1.55	2.65	0.00			134				
7825	40 TON 3 AXLE	29,838	5.32		1.64	2.79	0.00			144				
7830	50 TON 3 AXLE	32,582	5.80		1.78	3.04	0.00			161				
7835	60 TON 3 AXLE	35,985	6.74		1.91	3.12	0.00			188				
7840	70 TON 3 AXLE	47,334	8.56		2.56	4.28	0.00			213				
7845	75 TON 3 AXLE	48,398	8.73		2.62	4.39	0.00			228				
7850	80 TON 4 AXLE	56,518	9.83		3.13	5.40	0.00			266				
7855	90 TON 4 AXLE	62,386	11.20		3.38	5.70	0.00			297				
7860	110 TON 4 AXLE	67,767	12.17		3.68	6.19	0.00			313				
7865	120 TON 4 AXLE	76,941	13.61		4.20	7.14	0.00			351				
7870	HELPER DOLLY 60 T TRAILER MAX	16,212	2.97		0.88	1.46	0.00			62				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	OWNERSHIP	FUEL	OWNERSHIP	FUEL										
			AVERAGE	SEVERE															
<b>TRUCK TRAILERS (CONT'D)</b>																			
<b>PLATFORM TRAILERS</b>																			
7880	25 TON 2 AXLE	15,643	2.88		0.84	1.40	0.00			110									
<b>PUP TRAILERS</b>																			
7890	8 CY LONG TONGUE	19,000	3.44		1.04	1.75	0.00			86									
7895	10CY LONG TONGUE	19,143	3.46		1.04	1.76	0.00			86									
<b>TIILT TRAILERS</b>																			
7905	12 TON 2 AXLE	10,020	1.88		0.54	0.90	0.00			62									
7910	16 TON 2 AXLE	10,325	1.93		0.56	0.93	0.00			65									
7915	20 TON 2 AXLE	11,664	2.22		0.63	1.03	0.00			67									
<b>WATER TANKER TRAILERS</b>																			
7925	4000 GAL	63 HP D	28,884	7.59		1.53	2.86	2.47		120									
7930	5000 GAL	63 HP D	30,654	7.94		1.59	2.94	2.47		150									
7935	6000 GAL	63 HP D	32,038	8.16		1.67	3.09	2.47		160									
<b>TRUCKS, OFF-HIGHWAY</b>																			
<b>CATERPILLAR</b>																			
7945	769-C 35T 22-30 CY	P.S. 450 HP D	266,568	62.76	81.28	13.93	25.85	11.12	29.19	14.37									
7950	773-B 50T 30-45 CY	P.S. 650 HP D	374,105	89.33	116.03	19.52	36.12	16.07	40.77	20.75									
7955	777 85T 47-67 CY	P.S. 870 HP D	521,189	120.99	156.96	26.94	49.35	21.51	55.64	27.78									
7960	768C PRIME MOVER TRACTOR	P.S. 450 HP D	234,641	57.66	74.99	12.23	22.60	11.12	25.49	14.37									
7965	772B PRIME MOVER TRACTOR	P.S. 650 HP D	351,337	87.81	115.42	18.17	33.27	16.07	37.50	20.75									
<b>DJB (ARTICULATED FRAME)</b>																			
7975	D275B 27.5T 15-20 CY	P.S. 235 HP D	191,656	42.99	55.95	9.86	17.96	5.81	20.23	7.50									
7980	D330B 33T 17-23 CY	P.S. 255 HP D	215,188	45.94	58.79	11.25	20.86	6.30	23.55	8.14									
7985	D350B 35T 20-26 CY	P.S. 255 HP D	224,753	49.02	63.44	11.63	21.31	6.30	24.02	8.14									
										472									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>TRUCKS, OFF-HIGHWAY (CONT'D)</b>														
<b>DJB (CONT'D)</b>														
<b>(ARTICULATED FRAME)</b>														
7990	D550	55T 32-43 CY	P.S. 450 HP D	376,923	82.26	106.15	19.55	35.96	11.12	40.56	14.37	834		
<b>EUCLID</b>														
8000	R25-215FD	25T 14-19 CY	P.S. 214 HP D	165,889	35.69	45.81	8.66	16.03	5.29	18.08	6.83	404		
8005	R35-302TD	35T 22-30 CY	P.S. 430 HP D	252,503	59.34	76.74	13.21	24.54	10.63	27.71	13.73	623		
8010	R50-301LD	50T 31-41 CY	P.S. 576 HP D	338,667	81.23	105.91	17.61	32.50	14.24	36.67	18.39	836		
8015	R75-301ND	75T 46-69 CY	P.S. 646 HP D	452,789	101.75	132.18	23.38	42.77	15.97	48.20	20.63	1123		
8020	R85-306ND	85T 52-67 CY	P.S. 746 HP D	464,398	107.83	140.52	23.90	43.56	18.44	49.08	23.82	1227		
<b>INTERNATIONAL</b>														
8030	350B	50T 31-42 CY	P.S. 580 HP D	350,279	82.88	108.05	18.35	34.11	14.34	38.52	18.52	740		
<b>TEREX</b>														
8040	33-03B	22T 15-18 CY	P.S. 215 HP D	144,691	34.75	45.91	7.46	13.62	5.31	15.35	6.86	400		
8045	33-05B	30T 19-23 CY	P.S. 321 HP D	208,253	48.46	62.98	10.86	20.09	7.94	22.67	10.25	525		
8050	33-07	40T 25-32 CY	P.S. 493 HP D	264,409	66.23	87.06	13.67	25.03	12.19	28.21	15.74	756		
8055	33-09	55T 34-44 CY	P.S. 624 HP D	357,243	87.91	115.49	18.48	33.88	15.43	38.19	19.92	992		
8060	33-11C	85T 51-65 CY	P.S. 840 HP D	488,708	114.80	149.28	25.21	46.04	20.76	51.88	26.82	1227		
<b>WABCO</b>														
8070	HAULPAK35D	35T 23-29 CY	P.S. 420 HP D	266,632	61.78	80.02	13.93	25.85	10.38	29.19	13.41	571		
8075	HAULPAK50B	50T 31-40 CY	P.S. 576 HP D	371,333	86.45	112.34	19.36	35.83	14.24	40.44	18.39	792		
8080	HAULPAK60	60T 34-48 CY	P.S. 576 HP D	407,869	94.42	123.40	21.19	39.03	14.24	44.03	18.39	850		
8085	75B	75T 44-57 CY	P.S. 665 HP D	450,856	104.85	136.79	23.45	43.26	16.44	48.81	21.23	915		
8090	85D	85T 47-67 CY	P.S. 818 HP D	524,637	119.82	155.42	27.13	49.70	20.22	56.03	26.12	1193		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRUCKS, WATER														
*****														
TRACTOR DRAWN - KLETN														
8100	KT-50 5000 GAL. CAT 613B P.S. 150 HP D	119,994	26.88	33.21	6.32	10.32	5.87	11.44	7.72	320				
8105	KT-60 6000 GAL. CAT 621B P.S. 330 HP D	215,358	51.60	64.04	11.29	18.36	12.92	20.35	16.99	564				
8110	KT-80 8000 GAL. CAT 631D P.S. 450 HP D	296,949	71.18	88.41	15.53	25.17	17.61	27.87	23.17	740				
8115	KT-100 10000 GAL. CAT 631D P.S. 450 HP D	304,470	72.31	89.76	15.94	25.86	17.61	28.65	23.17	798				
8120	KT-100 10000 GAL. CAT 641B P.S. 550 HP D	355,529	85.94	106.78	18.58	30.07	21.53	33.29	28.32	931				
8125	KT-120 12000 GAL. CAT 651B P.S. 550 HP D	362,001	86.91	107.94	18.93	30.67	21.53	33.96	28.32	1097				
TRACTOR DRAWN - SOUTHWEST														
8135	STT-60 6000 CAL. CAT 621B P.S. 330 HP D	220,334	52.36	64.93	11.56	18.83	12.92	21.86	16.99	594				
8140	STT-80 8000 CAL. CAT 631D P.S. 450 HP D	302,628	72.03	89.43	15.84	25.69	17.61	28.46	23.17	800				
8145	STT-100 10000 CAL. CAT 631D P.S. 450 HP D	307,163	72.71	90.23	16.08	26.11	17.61	28.92	23.17	840				
8150	STT-120 12000 CAL. CAT 651B P.S. 550 HP D	368,093	87.83	109.03	19.26	31.23	21.53	34.59	28.32	1054				
8155	STT-140 14000 CAL. CAT 660B P.S. 550 HP D	371,681	88.36	109.66	19.46	31.56	21.53	34.95	28.32	1089				
WAGONS, BOTTOM DUMP														
*****														
CATERPILLAR-ATHEY														
8165	621B/PW621B 33T 21-26CY P.S. 330 HP D	216,504	56.43	73.85	11.18	21.35	12.92	24.20	16.99	579				
8170	768B/PW768C 63T 43-48CY P.S. 450 HP D	329,961	83.87	109.65	16.94	32.10	17.61	36.34	23.17	935				
8175	772B/PW772B 100T 60-67CY P.S. 650 HP D	510,440	132.17	176.16	25.96	48.72	25.44	55.11	33.47	1304				
EUCLID														
8185	B30-303TDT301W 30T 21-27CY P.S. 277 HP D	207,816	52.08	68.02	10.73	20.49	10.84	23.22	14.27	483				
8190	B70-203LDT147W 70T 47-62CY P.S. 423 HP D	367,263	84.28	107.75	19.17	37.02	16.56	42.01	21.78	934				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	FUEL OWNER-SHIP	SEVERE OWNER-SHIP									
			AVERAGE	SEVERE													
<b>WAGONS, REAR DUMP</b> *****																	
<b>CATERPILLAR-ATHEY</b>																	
8200	621B/PR621B 30T 20-24CY P.S. 330 HP D	227,802	58.39	76.29	11.77	22.48	12.92	25.48	16.99	590							
8205	631D/PR631D 40T 27-32CY P.S. 450 HP D	323,751	81.05	105.38	16.81	32.28	17.61	36.61	23.17	833							
<b>WATER BLASTER</b> *****																	
<b>AMERICAN AERO</b>																	
8215	WED 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	30,175	18.15		2.17	5.06	5.25			42							
8220	WBDI50 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	45,731	29.17		3.31	7.71	9.23			70							
<b>WATER TANKS</b> *****																	
<b>SKID MOUNTED</b>																	
8230	WST-8 8000 GAL. SOUTHWEST	14,542	2.19		0.78	1.48	0.00			107							
8235	WST-10 10000 GAL. SOUTHWEST	16,923	2.55		0.91	1.73	0.00			122							
8240	WST-12 12000 GAL. SOUTHWEST	19,691	2.95		1.05	2.00	0.00			142							
<b>PORTABLE (WITH WHEELS)</b>																	
8250	EWT-8 8000 GAL. SOUTHWEST 8 HP G	25,948	4.83		1.37	2.57	0.68			130							
8255	EWT-10 10000 GAL. SOUTHWEST 8 HP G	29,507	5.36		1.56	2.93	0.68			170							
8260	EWT-12 12000 GAL. SOUTHWEST 8 HP G	32,702	5.84		1.73	3.26	0.68			185							
<b>WELDERS</b> *****																	
<b>ELECTRIC DRIVE - AC 3 PHASE 60 HZ</b>																	
8270	250 AMP SKID MTD 20 HP E	1,929	0.90		0.12	0.24	0.42			7							
8275	600 AMP SKID MTD 25 HP E	2,446	1.12		0.15	0.30	0.52			9							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	COND.	SEVERE	COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>WELDERS (CONT'D)</b>														
<b>GASOLINE ENGINE DRIVE</b>														
8285	200 AMP	W/1 AXLE TRLR	14 HP G	2,514	2.52		0.17	0.36	1.46	11				
8290	250 AMP	W/1 AXLE TRLR	65 HP G	4,792	9.78		0.33	0.71	6.79	17				
8295	300 AMP	W/1 AXLE TRLR	65 HP G	4,903	9.81		0.34	0.73	6.79	17				
8300	400 AMP	W/1 AXLE TRLR	69 HP G	5,744	10.58		0.40	0.86	7.21	21				
8305	650 AMP	W/2 AXLE TRLR	85 HP G	7,227	13.07		0.50	1.07	8.88	22				
<b>DIESEL ENGINE DRIVE</b>														
8315	250 AMP	W/1 AXLE TRLR	38 HP D	6,285	4.08		0.44	0.95	1.84	21				
8320	300 AMP	W/1 AXLE TRLR	38 HP D	6,340	4.09		0.44	0.95	1.84	21				
8325	350 AMP	W/2 AXLE TRLR	63 HP D	8,012	6.07		0.55	1.19	3.05	25				
8330	400 AMP	W/2 AXLE TRLR	64 HP D	7,853	6.07		0.54	1.16	3.10	30				
<b>MIG</b>														
8340	250AMP W/WIRE FEED AND SHOP GEAR	10 HP E	2,620	0.75		0.17	0.33	0.21		5				
8345	300AMP W/WIRE FEED AND SHOP GEAR	20 HP E	2,767	1.05		0.17	0.34	0.42		5				
<b>RECTIFIER</b>														
8355	250 AMP	W/SHOP RUNNING GEAR	19 HP E	1,659	0.83		0.11	0.21	0.40	4				
8360	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,805	0.97		0.11	0.22	0.50	6				
8365	500 AMP	W/SHOP RUNNING GEAR	30 HP E	2,290	1.23		0.14	0.28	0.63	7				
8370	750 AMP	W/SHOP RUNNING GEAR	42 HP E	3,767	1.83		0.24	0.47	0.88	10				
<b>TRANSFORMER-RECTIFIER</b>														
8380	250 AMP	W/SHOP RUNNING GEAR	19 HP E	898	0.68		0.06	0.11	0.40	4				
8385	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,483	0.92		0.09	0.18	0.50	6				

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

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

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

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

Total Hourly Rate	= \$45.00/Hr.
Ownership Rate	(-) \$25.00/Hr.
Ownership adjusted for Age: (Ownership Rate) x (Age Adj. Factor)	
= (\$25.00) x (.74)	= (+) \$18.50/Hr.
Adjusted Total Hourly Rate	= \$38.50/Hr.

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

Total Hourly Rate	= \$45.00/Hr.
Ownership Rate	(-) \$25.00/Hr.
Ownership adjusted for Age: (Ownership Rate) x (Oldest Age Adj. Factor)	
= (\$25.00) x (.37)	= (+) \$ 9.25/Hr.
Adjusted Total Hourly Rate	= \$29.25/Hr.

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

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

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED												
		1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971
15	AGGREGATE SPREADERS	1.14	1.08	1.00	0.92	0.84	0.76	0.70						
30	AIR COMPRESSORS	1.16	1.09	1.00	1.05	0.97	0.84	0.80						
45	AIR TOOLS, SANDBLASTERS, ETC	1.16	1.09	1.00										
60	ASPHALT DISTRIBUTORS	1.15	1.09	1.00	0.92	0.82	0.74	0.67						
65	ASPHALT AND CONCRETE PAVERS	1.14	1.08	1.00	0.92	0.83	0.75	0.69						
70	ASPHALT KETTLES AND RECYCLERS	1.14	1.09	1.00	0.88	0.75	0.66							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.14	1.09	1.00	0.88	0.76	0.67	0.60						
80	BRUSH CHIPPERS	1.13	1.08	1.00	0.89	0.77	0.69	0.62						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.13	1.06	1.00	0.88	0.73	0.64	0.58						
95	BUCKETS, CONCRETE	1.13	1.06	1.00	0.88	0.73	0.64	0.58						
105	CONCRETE OR GROUT PUMP	1.14	1.09	1.00	0.89	0.76	0.68							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.13	1.08	1.00	0.89	0.77	0.69	0.62						
125	CONCRETE FINISHERS & BUGGIES	1.13	1.08	1.00	0.89	0.77	0.69	0.62						
135	CONCRETE VIBRATORS	1.16	1.09	1.00										
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.16	1.09	1.00	1.05									
150	0 THRU 25 TON	1.14	1.08	1.00	0.91	0.81	0.73	0.67	0.62	0.55				
165	OVER 25 TON THRU 50 TON	1.14	1.08	1.00	0.91	0.81	0.73	0.67	0.62	0.56	0.44			
170	OVER 50 TON THRU 150 TON	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.63	0.57	0.45	0.37	0.36	
180	OVER 150 TON DRAGLINE & CLAMSHELL, CRAWLER	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.64	0.58	0.46	0.38	0.37	0.35
185	0 THRU 1 CY	1.14	1.08	1.00	0.91	0.81	0.73	0.67	0.62					
190	OVER 1 CY THRU 2-1/2 CY	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.63	0.57	0.45			
195	OVER 2-1/2 CY THRU 5 CY	1.13	1.08	1.00	0.92	0.82	0.74	0.69	0.64	0.58	0.46	0.39	0.37	
196	OVER 5 CY	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.64	0.58	0.46	0.38	0.37	0.35
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.14	1.08	1.00	0.91	0.81	0.73	0.67	0.63	0.56	0.44	0.36		
	CRANES & HYD. EXC., TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.14	1.08	1.00	0.91	0.81	0.73	0.67	0.62	0.56	0.44			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.13	1.08	1.00	0.92	0.82	0.74	0.69	0.64	0.58	0.46	0.39	0.37	
230	66 THRU 125 T	1.13	1.07	1.00	0.92	0.82	0.75	0.69	0.64	0.58	0.47	0.39	0.38	0.36
240	OVER 125 T	1.13	1.07	1.00	0.92	0.82	0.75	0.69	0.65	0.59	0.48	0.40	0.38	0.37
255	DRILL, AUGER	1.15	1.10	1.00	0.85	0.73	0.67	0.60						
270	DRILL, BLAST HOLE	1.15	1.10	1.00	0.85	0.73	0.67	0.60						
300	DRILL, CORE	1.15	1.10	1.00	0.85	0.73	0.67	0.60						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.14	1.09	1.00	0.86	0.74	0.68	0.62	0.59	0.56	0.48			
330	DRILL, ROTARY OVER 11" DIA.	1.14	1.09	1.00	0.86	0.75	0.69	0.63	0.60	0.57	0.49	0.44	0.42	0.41
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.14	1.09	1.00	0.86	0.75	0.69	0.63	0.60	0.57	0.49	0.44	0.42	0.41
375	FORK LIFTS	1.14	1.08	1.00	0.89	0.77	0.68	0.61						
390	GRADERS	1.18	1.11	1.00	0.89	0.78	0.71	0.62	0.56					
420	GENERATORS	1.21	1.12	1.00	0.86	0.68	0.65	0.57						
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.13	1.08	1.00	0.89	0.77	0.69	0.62						
440	LIGHT PLANTS	1.15	1.09	1.00	0.88	0.75	0.66	0.59						
450	LOADER, BELT	1.15	1.09	1.00	0.87	0.74	0.64	0.57						
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.20	1.11	1.00	0.90	0.79	0.69	0.60						
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.20	1.13	1.00	0.82	0.71	0.63	0.55						
470	OVER 225 HP	1.19	1.12	1.00	0.83	0.72	0.65	0.57	0.52					
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.21	1.13	1.00	0.82	0.69	0.61	0.53						
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.16	1.10	1.00	0.86									

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

KEY NO.	TYPE & F EQUIPMENT	YEAR PURCHASED, GVW											
		1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972
485	PIPELAYERS	1.20	1.11	1.00	0.90	0.78	0.68	0.60	0.53				
	PUMP, GROUT (SEE KEY NO. 105)												
495	PUMP, WATER, ENGINE DRIVE	1.13	1.08	1.00	0.89	0.77	0.69	0.62					
500	PUMP, WATER, ELECTRIC DRIVE	1.13	1.08	1.00	0.89	0.77	0.69	0.62					
510	RIPPERS	1.19	1.11	1.00	0.90	0.79	0.70						
525	ROLLERS, EXCEPT VIB. ROLLERS	1.12	1.08	1.00	0.89	0.80	0.70	0.60					
530	ROLLERS, VIBRATORY	1.13	1.09	1.00	0.89	0.79	0.69						
540	SCRAPERS, STANDARD	1.17	1.10	1.00	0.90	0.79	0.72	0.64					
542	SCRAPERS, TANDEM POWERED	1.17	1.10	1.00	0.90	0.79	0.72	0.64					
	SCRAPERS, ELEVATING												
545	0 THRU 200 HP	1.18	1.11	1.00	0.89	0.78	0.71	0.62					
550	OVER 200 HP	1.18	1.11	1.00	0.89	0.78	0.71	0.62					
555	SCRAPERS, TRACTOR DRAWN	1.17	1.10	1.00	0.90	0.79	0.73	0.65	0.59				
	SHOVELS, BACKHOES, & HYDRAULIC												
	EXCAVATORS CRAWLER MOUNTED												
570	0 THRU 1 CY	1.14	1.08	1.00	0.91	0.81	0.73	0.67					
585	OVER 1 CY THRU 2-1/2 CY	1.14	1.08	1.00	0.92	0.81	0.74	0.68	0.63	0.57			
595	OVER 2-1/2 CY THRU 5 CY	1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.64	0.57	0.46	0.38	
600	OVER 5 CY	1.13	1.08	1.00	0.92	0.82	0.74	0.69	0.64	0.58	0.46	0.39	0.37
601	OVER 2-1/2 CY ELECTRIC	1.13	1.07	1.00	0.92	0.82	0.75	0.69	0.65	0.59	0.48	0.40	0.38
	TRACTOR, CRAWLER TYPE												
615	0 THRU 225 HP	1.21	1.12	1.00	0.89	0.78	0.68	0.59					
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.19	1.11	1.00	0.90	0.79	0.70	0.61	0.55				
625	OVER 425 HP	1.18	1.10	1.00	0.90	0.80	0.71	0.63	0.57	0.52			
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.19	1.11	1.00	0.90	0.79	0.70	0.62					
645	TRACTOR, WHEEL TYPE	1.15	1.10	1.00	0.88	0.75	0.65	0.58					
650	TRENCHER	1.30	1.16	1.00	0.84	0.71	0.65	0.55					
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.14	1.08	1.00	0.89	0.77	0.68	0.61					
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.16	1.10	1.00	0.87	0.73	0.64	0.56					
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING												
670	DUMP BODIES	1.14	1.09	1.00	0.89	0.76	0.68						
675	ALL OTHER ACCESSORIES	1.14	1.09	1.00	0.89	0.76	0.68						
	TRUCK, HIGHWAY												
690	0 THRU 10,000 GVW	1.17	1.08	1.00	0.85	0.75	0.67						
695	OVER 10,000 THRU 30,000 GVW	1.17	1.08	1.00	0.85	0.75	0.67						
705	OVER 30,000 GVW	1.17	1.08	1.00	0.85	0.75	0.67						
720	TRUCK, OFF-HIGHWAY	1.14	1.10	1.00	0.86	0.74	0.66	0.60	0.57				
765	WAGON, BOTTOM & REAR DUMP	1.14	1.10	1.00	0.87	0.75	0.67	0.62	0.58				
780	WAGON, WATER	1.16	1.12	1.00	0.85	0.71	0.62	0.56	0.51				
785	WATER BLASTER	1.14	1.09	1.00	0.88								
795	WATER TANKS	1.13	1.08	1.00	0.89	0.77	0.69	0.62	0.57				
810	WELDERS	1.15	1.10	1.00	0.87								
811	WELDERS ELECTRIC POWER	1.15	1.09	1.00	0.88	0.74	0.65						

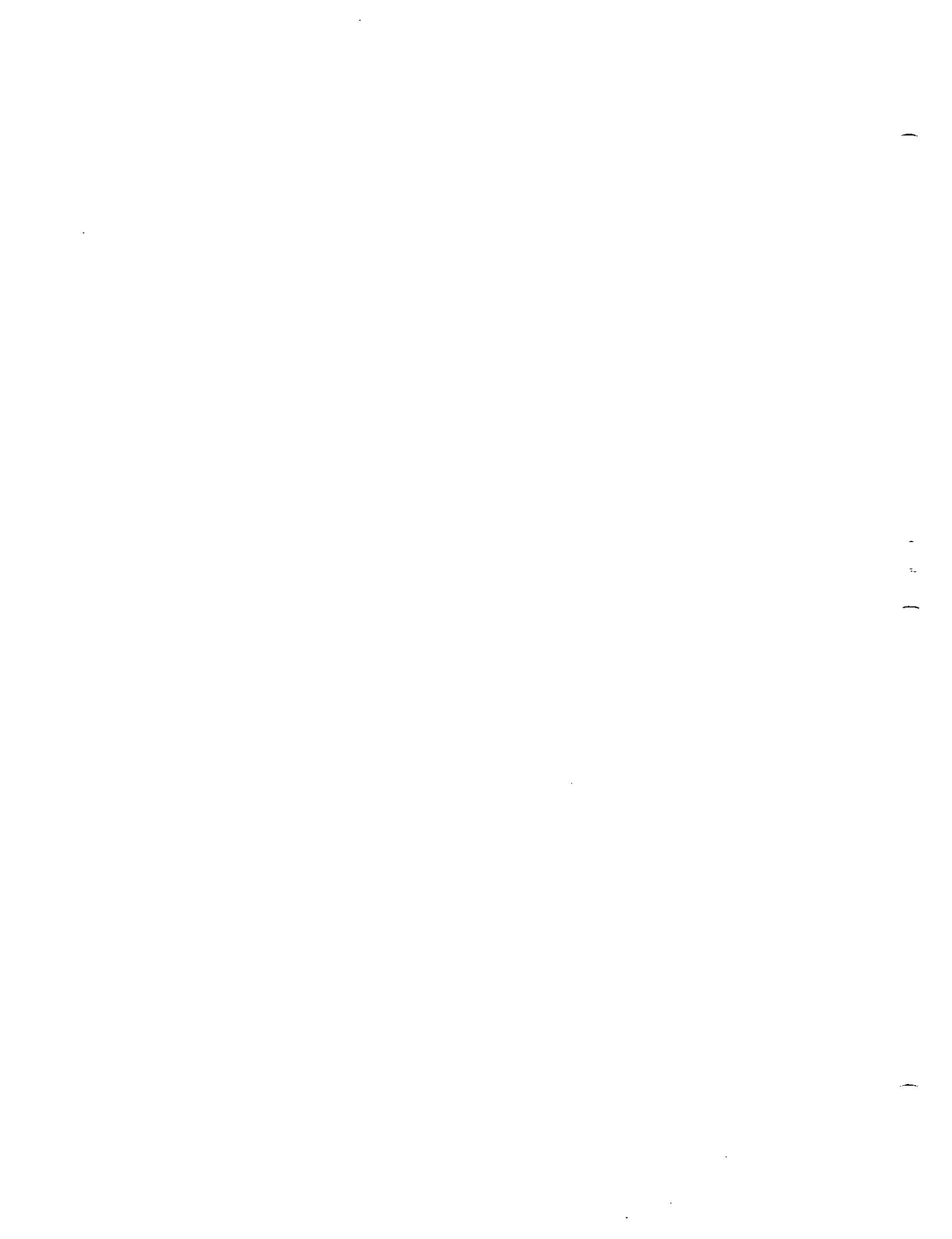


TABLE 3-3. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

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

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

Hourly Standby Rate = \$16.00/Hr.

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

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971
15	AGGREGATE SPREADERS	1.12	1.07	1.00	0.93	0.86	0.79	0.74						
30	AIR COMPRESSORS	1.13	1.07	1.00	1.04	0.97	0.87	0.83						
45	AIR TOOLS, SANDBLASTERS, ETC	1.15	1.08	1.00										
60	ASPHALT DISTRIBUTORS	1.12	1.07	1.00	0.93	0.86	0.79	0.74						
65	ASPHALT AND CONCRETE PAVERS	1.12	1.07	1.00	0.93	0.86	0.79	0.74						
70	ASPHALT KETTLES AND RECYCLERS	1.12	1.08	1.00	0.90	0.79	0.72							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
80	BRUSH CHIPPERS	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.11	1.05	1.00	0.90	0.76	0.69	0.63						
95	BUCKETS, CONCRETE	1.11	1.05	1.00	0.90	0.76	0.69	0.63						
105	CONCRETE OR GROUT PUMP	1.12	1.08	1.00	0.90	0.79	0.72							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
125	CONCRETE FINISHERS & BUGGIES	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
135	CONCRETE VIBRATORS	1.15	1.08	1.00										
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.14	1.08	1.00	1.05									
150	O THRU 25 TON	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68	0.62				
165	OVER 25 TON THRU 50 TON	1.11	1.07	1.00	0.93	0.84	0.78	0.72	0.68	0.63	0.53			
170	OVER 50 TON THRU 150 TON	1.11	1.06	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.47	0.46	
180	OVER 150 TON	1.11	1.06	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.55	0.48	0.47	0.45
	DRAGLINE & CLAMSHELL,CRAWLER													
185	O THRU 1 CY	1.12	1.07	1.00	0.93	0.84	0.77	0.71	0.67					
190	OVER 1 CY THRU 2-1/2 CY	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68	0.63	0.52			
195	OVER 2-1/2 CY THRU 5 CY	1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.69	0.63	0.53	0.47	0.45	
196	OVER 5 CY	1.11	1.06	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.55	0.48	0.47	0.45
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.69	0.63	0.53	0.47		
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.11	1.07	1.00	0.93	0.84	0.78	0.72	0.68	0.63	0.53			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.69	0.63	0.53	0.47	0.45	
230	66 THRU 125 T	1.11	1.07	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.47	0.46	0.44
240	OVER 125 T	1.11	1.06	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.48	0.46	0.45
255	DRILL, AUGER	1.13	1.09	1.00	0.87	0.76	0.71	0.65						
270	DRILL, BLAST HOLE	1.13	1.09	1.00	0.87	0.76	0.71	0.65						
300	DRILL, CORE	1.13	1.09	1.00	0.87	0.76	0.71	0.65						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.12	1.08	1.00	0.88	0.77	0.73	0.67	0.64	0.61	0.55			
330	DRILL, ROTARY OVER 11" DIA.	1.12	1.08	1.00	0.88	0.78	0.73	0.68	0.65	0.63	0.56	0.51	0.49	0.48
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.12	1.08	1.00	0.88	0.78	0.73	0.68	0.65	0.63	0.56	0.51	0.49	0.48
375	FORK LIFTS	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
390	GRADERS	1.15	1.09	1.00	0.92	0.82	0.77	0.70	0.65					
420	GENERATORS	1.16	1.09	1.00	0.89	0.75	0.73	0.67						
435	HOIST	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
440	LIGHT PLANTS	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
450	LOADER, BELT	1.12	1.07	1.00	0.90	0.80	0.72	0.66						
460	LOADER,FRONT END & LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.17	1.09	1.00	0.91	0.82	0.74	0.67						
	LOADER, WHEEL TYPE													
465	O THRU 225 HP	1.16	1.10	1.00	0.85	0.76	0.69	0.62						
470	OVER 225 HP	1.16	1.10	1.00	0.86	0.76	0.70	0.63	0.59					
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.17	1.10	1.00	0.85	0.76	0.69	0.62						
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.13	1.08	1.00	0.89									

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

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

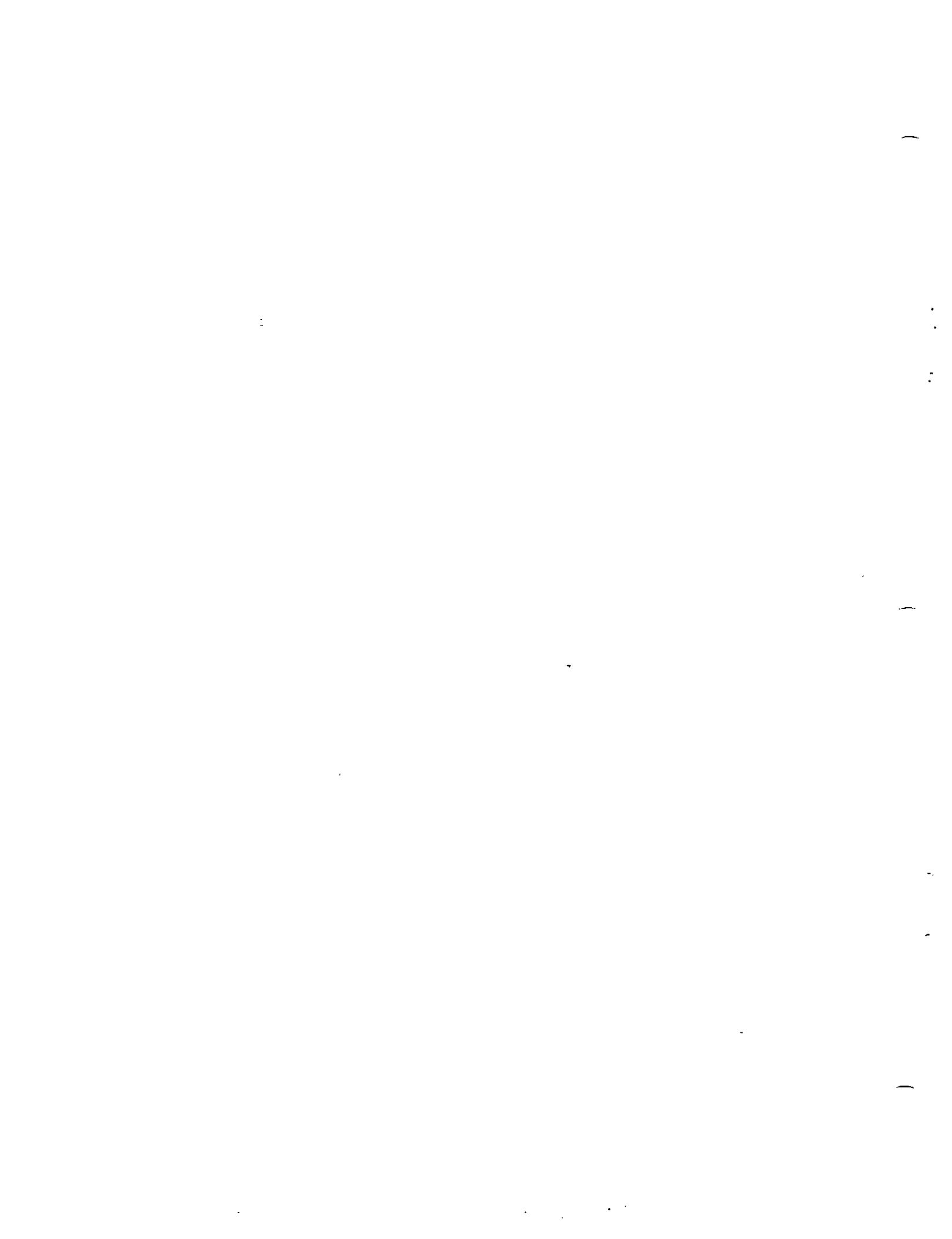


TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

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

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

Total Hourly Rate (adjusted for age)	= \$38.50/Hr.
Ownership Rate (adjusted for age)	(-) \$18.50/Hr.
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adj. Factor)	
= (\$18.50) x (.84)	= (+) \$15.54/Hr.
Adjusted Total Hourly Rate	= <u>\$35.54/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	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87
6,000	1.00	0.97	0.96	0.94	0.92	0.90	0.89	0.88	0.86	0.85	0.84	0.84	0.82
8,000	1.00	0.97	0.95	0.92	0.90	0.88	0.87	0.85	0.84	0.82	0.81	0.80	0.79
9,000	1.00	0.96	0.95	0.92	0.89	0.87	0.86	0.84	0.82	0.81	0.80	0.79	0.77
10,000	1.00	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.81	0.80	0.78	0.77	0.76
11,000	1.00	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.80	0.78	0.77	0.76	0.74
12,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.79	0.77	0.76	0.75	0.73
13,000	1.00	0.96	0.93	0.90	0.87	0.84	0.82	0.80	0.78	0.76	0.75	0.74	0.72
14,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.79	0.77	0.75	0.74	0.73	0.71
15,000	1.00	0.95	0.93	0.89	0.86	0.83	0.81	0.79	0.76	0.74	0.73	0.71	0.69
16,000	1.00	0.95	0.93	0.89	0.85	0.83	0.80	0.78	0.75	0.73	0.72	0.70	0.68
18,000	1.00	0.95	0.92	0.88	0.84	0.81	0.79	0.76	0.74	0.72	0.70	0.69	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	0.67	0.65
22,000	1.00	0.94	0.91	0.87	0.83	0.80	0.77	0.74	0.71	0.69	0.67	0.65	0.63
50,000	1.00	0.92	0.88	0.82	0.77	0.72	0.69	0.65	0.61	0.58	0.55	0.53	0.50

TABLE 3-5. HOURLY RATE ELEMENT

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEFR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEFR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1010	3.61	1.82	12.30	2.95	0.22	0.03	3.76	24.71								
1015	4.04	2.02	4.42	1.06	0.22	0.03	4.23	16.02								
1030	0.64	0.36	3.66	1.17	0.02	0.00	0.74	6.59								
1035	0.76	0.42	1.49	0.42	0.02	0.00	0.67	3.98								
1040	0.80	0.45	4.26	1.36	0.02	0.00	0.92	7.81								
1045	0.97	0.54	1.72	0.48	0.02	0.00	1.10	4.83								
1050	0.98	0.55	5.96	1.91	0.02	0.00	1.12	10.54								
1055	1.05	0.56	2.00	0.56	0.02	0.00	1.20	5.41								
1060	1.07	0.60	5.96	1.91	0.02	0.00	1.23	10.79								
1065	1.22	0.66	2.70	0.76	0.02	0.00	1.39	6.77								
1070	1.11	0.61	5.96	1.91	0.02	0.00	1.27	10.88								
1075	1.31	0.72	2.70	0.76	0.02	0.00	1.50	7.01								
1080	1.96	1.08	3.68	1.03	0.03	0.00	2.24	10.02								
1085	2.38	1.35	4.03	1.13	0.13	0.02	2.74	11.78								
1090	3.10	1.74	5.95	1.87	0.13	0.02	3.56	16.17								
1095	4.19	2.34	6.85	1.92	0.15	0.02	4.80	20.27								
1100	4.88	2.72	8.92	2.50	0.15	0.02	5.59	24.78								
1105	5.55	3.09	9.78	2.74	0.15	0.02	6.36	27.69								
1110	6.10	3.39	10.57	2.96	0.15	0.02	6.97	30.16								
1115	6.83	3.79	11.08	3.10	0.15	0.02	7.81	32.78								
1120	8.18	4.53	12.72	3.56	0.15	0.02	9.34	38.50								
1125	9.23	5.12	17.85	5.00	0.18	0.03	10.55	47.96								
1140	0.25	0.06	0.00	0.06	0.00	0.00	0.57	0.94								
1145	0.47	0.11	0.00	0.06	0.00	0.00	1.07	1.71								
1150	0.48	0.11	0.00	0.06	0.00	0.00	1.08	1.73								
1155	0.53	0.12	0.00	0.12	0.00	0.00	1.20	1.97								
1160	0.71	0.16	0.00	0.12	0.00	0.00	1.60	2.59								
1165	1.99	0.46	0.00	0.25	0.05	0.01	4.54	7.30								
1170	2.34	0.56	0.00	0.35	0.13	0.02	5.37	8.77								
1175	2.94	0.69	0.00	0.45	0.13	0.02	6.74	10.97								
1185	0.18	0.04	0.00	0.06	0.00	0.00	0.40	0.68								
1190	0.39	0.09	0.00	0.10	0.00	0.00	0.88	1.46								
1195	0.18	0.04	0.00	0.06	0.00	0.00	0.41	0.69								
1200	0.20	0.04	0.00	0.06	0.00	0.00	0.44	0.74								
1205	0.21	0.05	0.00	0.06	0.00	0.00	0.48	0.80								
1210	0.71	0.16	0.00	0.12	0.00	0.00	1.62	2.61								
1220	0.35	0.08	0.00	0.14	0.00	0.00	1.31	1.88								
1225	0.22	0.05	0.00	0.12	0.00	0.00	0.84	1.23								
1230	0.20	0.04	0.00	0.09	0.00	0.00	0.75	1.08								
1235	0.18	0.04	0.00	0.07	0.00	0.00	0.68	0.97								
1240	0.14	0.03	0.00	0.06	0.00	0.00	0.54	0.77								
1250	1.59	0.97	4.26	1.36	0.00	0.00	2.35	10.53								
1255	1.65	1.01	4.26	1.36	0.00	0.00	2.44	10.72								
1260	1.77	1.08	4.26	1.36	0.00	0.00	2.62	11.09								
1265	2.04	1.25	4.26	1.36	0.00	0.00	3.02	11.93								
1275	5.71	3.19	2.74	0.77	0.33	0.05	8.29	21.08								
1280	8.10	4.63	3.72	1.04	0.93	0.14	11.85	30.41								
1285	9.26	5.29	5.09	1.42	1.06	0.16	13.53	35.81								
1290	11.67	6.36	5.09	1.42	0.00	0.00	16.83	41.37								
1300	2.84	1.63	1.17	0.33	0.36	0.05	4.15	10.53								
1305	4.19	2.37	1.72	0.48	0.36	0.05	6.11	15.28								
1310	5.73	3.23	2.27	0.64	0.48	0.07	8.34	20.76								
1315	6.75	3.89	3.41	0.95	0.93	0.14	9.90	25.97								
1320	7.83	4.52	4.19	1.17	1.13	0.17	11.48	30.49								
1325	10.75	6.32	5.79	1.62	2.08	0.31	15.84	42.71								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
1330	7.71	4.20	2.97	0.83	0.00	0.00	11.13	26.84								
1335	9.42	5.13	4.19	1.17	0.00	0.00	13.58	33.49								
1345	0.30	0.14	0.00	0.90	0.02	0.00	0.38	1.74								
1350	0.35	0.16	0.00	1.00	0.02	0.00	0.45	1.98								
1360	0.83	0.37	0.68	1.65	0.02	0.00	1.06	4.61								
1370	0.39	0.22	0.00	0.17	0.02	0.00	0.50	1.30								
1375	0.52	0.29	2.55	0.61	0.02	0.00	0.67	4.66								
1380	0.18	0.10	0.00	0.17	0.00	0.00	0.23	0.68								
1385	0.30	0.16	0.00	0.11	0.00	0.00	0.38	0.95								
1395	0.81	0.40	8.96	2.87	0.02	0.00	1.08	14.14								
1400	0.93	0.46	9.79	3.13	0.02	0.00	1.24	15.57								
1405	0.40	0.20	0.00	0.25	0.00	0.00	0.53	1.38								
1415	0.71	0.34	0.00	0.00	0.00	0.00	0.73	1.78	0.88	0.35	0.00	0.00	0.00	0.00	1.04	2.27
1420	0.83	0.40	0.00	0.00	0.00	0.00	0.85	2.08	1.04	0.41	0.00	0.00	0.00	0.00	1.22	2.67
1425	1.22	0.59	0.00	0.00	0.00	0.00	1.26	3.07	1.53	0.61	0.00	0.00	0.00	0.00	1.79	3.93
1430	1.38	0.67	0.00	0.00	0.00	0.00	1.42	3.47	1.72	0.69	0.00	0.00	0.00	0.00	2.03	4.44
1435	1.80	0.88	0.00	0.00	0.00	0.00	1.85	4.53	2.25	0.90	0.00	0.00	0.00	0.00	2.64	5.79
1440	1.90	0.93	0.00	0.00	0.00	0.00	1.96	4.79	2.38	0.95	0.00	0.00	0.00	0.00	2.80	6.13
1445	1.95	0.95	0.00	0.00	0.00	0.00	2.01	4.91	2.44	0.97	0.00	0.00	0.00	0.00	2.87	6.28
1450	2.15	1.05	0.00	0.00	0.00	0.00	2.21	5.41	2.69	1.07	0.00	0.00	0.00	0.00	3.16	6.92
1455	2.33	1.13	0.00	0.00	0.00	0.00	2.39	5.85	2.91	1.16	0.00	0.00	0.00	0.00	3.42	7.49
1460	2.52	1.23	0.00	0.00	0.00	0.00	2.59	6.34	3.15	1.26	0.00	0.00	0.00	0.00	3.71	8.12
1465	2.72	1.32	0.00	0.00	0.00	0.00	2.80	6.84	3.40	1.36	0.00	0.00	0.00	0.00	4.00	8.76
1470	2.82	1.37	0.00	0.00	0.00	0.00	2.90	7.09	3.52	1.40	0.00	0.00	0.00	0.00	4.14	9.06
1475	3.05	1.48	0.00	0.00	0.00	0.00	3.13	7.66	3.81	1.52	0.00	0.00	0.00	0.00	4.48	9.81
1480	3.14	1.53	0.00	0.00	0.00	0.00	3.23	7.90	3.92	1.56	0.00	0.00	0.00	0.00	4.61	10.09
1485	3.26	1.59	0.00	0.00	0.00	0.00	3.35	8.20	4.07	1.62	0.00	0.00	0.00	0.00	4.79	10.48
1495	0.74	0.36	0.00	0.00	0.00	0.00	0.76	1.86	0.93	0.37	0.00	0.00	0.00	0.00	1.09	2.39
1500	1.00	0.49	0.00	0.00	0.00	0.00	1.03	2.52	1.26	0.50	0.00	0.00	0.00	0.00	1.48	3.24
1505	1.46	0.71	0.00	0.00	0.00	0.00	1.50	3.67	1.83	0.73	0.00	0.00	0.00	0.00	2.15	4.71
1510	1.58	0.77	0.00	0.00	0.00	0.00	1.62	3.97	1.97	0.79	0.00	0.00	0.00	0.00	2.32	5.08
1515	2.01	0.98	0.00	0.00	0.00	0.00	2.06	5.05	2.51	1.00	0.00	0.00	0.00	0.00	2.95	6.46
1520	2.19	1.07	0.00	0.00	0.00	0.00	2.26	5.52	2.74	1.09	0.00	0.00	0.00	0.00	3.23	7.06
1525	2.37	1.15	0.00	0.00	0.00	0.00	2.44	5.96	2.96	1.18	0.00	0.00	0.00	0.00	3.48	7.62
1530	2.55	1.24	0.00	0.00	0.00	0.00	2.62	6.41	3.18	1.27	0.00	0.00	0.00	0.00	3.74	8.19
1535	2.73	1.33	0.00	0.00	0.00	0.00	2.81	6.87	3.42	1.36	0.00	0.00	0.00	0.00	4.02	8.80
1540	3.01	1.46	0.00	0.00	0.00	0.00	3.10	7.57	3.76	1.50	0.00	0.00	0.00	0.00	4.42	9.68
1545	3.17	1.55	0.00	0.00	0.00	0.00	3.27	7.99	3.97	1.58	0.00	0.00	0.00	0.00	4.67	10.22
1550	3.36	1.63	0.00	0.00	0.00	0.00	3.45	8.44	4.20	1.67	0.00	0.00	0.00	0.00	4.94	10.81
1555	3.50	1.70	0.00	0.00	0.00	0.00	3.60	8.80	4.38	1.74	0.00	0.00	0.00	0.00	5.15	11.27
1560	3.65	1.78	0.00	0.00	0.00	0.00	3.75	9.18	4.56	1.82	0.00	0.00	0.00	0.00	5.36	11.74
1565	3.79	1.85	0.00	0.00	0.00	0.00	3.90	9.54	4.74	1.89	0.00	0.00	0.00	0.00	5.57	12.20
1575	1.12	0.55	0.00	0.00	0.00	0.00	1.16	2.83	1.40	0.56	0.00	0.00	0.00	0.00	1.65	3.61
1580	1.15	0.56	0.00	0.00	0.00	0.00	1.18	2.89	1.44	0.57	0.00	0.00	0.00	0.00	1.69	3.70
1585	1.71	0.83	0.00	0.00	0.00	0.00	1.76	4.30	2.13	0.85	0.00	0.00	0.00	0.00	2.51	5.49
1590	2.06	1.00	0.00	0.00	0.00	0.00	2.12	5.18	2.58	1.03	0.00	0.00	0.00	0.00	3.03	6.64
1595	2.31	1.12	0.00	0.00	0.00	0.00	2.37	5.80	2.88	1.15	0.00	0.00	0.00	0.00	3.39	7.42
1600	2.51	1.22	0.00	0.00	0.00	0.00	2.58	6.31	3.13	1.25	0.00	0.00	0.00	0.00	3.69	8.07
1605	2.64	1.29	0.00	0.00	0.00	0.00	2.72	6.65	3.30	1.32	0.00	0.00	0.00	0.00	3.88	8.50
1610	2.80	1.36	0.00	0.00	0.00	0.00	2.88	7.04	3.50	1.39	0.00	0.00	0.00	0.00	4.11	9.00
1615	2.93	1.43	0.00	0.00	0.00	0.00	3.02	7.38	3.66	1.46	0.00	0.00	0.00	0.00	4.31	9.43
1620	3.14	1.53	0.00	0.00	0.00	0.00	3.24	7.91	3.93	1.57	0.00	0.00	0.00	0.00	4.62	10.12
1625	3.33	1.62	0.00	0.00	0.00	0.00	3.43	8.38	4.16	1.66	0.00	0.00	0.00	0.00	4.89	10.71
1630	3.50	1.70	0.00	0.00	0.00	0.00	3.60	8.80	4.38	1.74	0.00	0.00	0.00	0.00	5.15	11.27
1635	3.79	1.85	0.00	0.00	0.00	0.00	3.90	9.54	4.74	1.89	0.00	0.00	0.00	0.00	5.57	12.20

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS						SEVERE CONDITIONS						TOTAL RATE		
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR			
1640	3.91	1.90	0.00	0.00	0.00	0.00	4.02	9.83	4.89	1.95	0.00	0.00	0.00	5.74	12.58
1645	4.07	1.98	0.00	0.00	0.00	0.00	4.19	10.24	5.09	2.03	0.00	0.00	0.00	5.99	13.11
1655	0.11	0.05	0.00	0.00	0.00	0.00	0.11	0.27							
1660	0.13	0.07	0.00	0.00	0.00	0.00	0.14	0.34							
1665	0.18	0.09	0.00	0.00	0.00	0.00	0.18	0.45							
1670	0.25	0.12	0.00	0.00	0.00	0.00	0.26	0.63							
1675	0.32	0.15	0.00	0.00	0.00	0.00	0.33	0.80							
1685	0.46	0.22	0.00	0.00	0.00	0.00	0.48	1.16							
1690	0.48	0.23	0.00	0.00	0.00	0.00	0.50	1.21							
1695	0.50	0.24	0.00	0.00	0.00	0.00	0.52	1.26							
1700	0.66	0.32	0.00	0.00	0.00	0.00	0.68	1.66							
1705	0.69	0.34	0.00	0.00	0.00	0.00	0.71	1.74							
1710	1.00	0.49	0.00	0.00	0.00	0.00	1.03	2.52							
1715	1.20	0.58	0.00	0.00	0.00	0.00	1.23	3.01							
1725	0.53	0.26	0.00	0.00	0.00	0.00	0.55	1.34							
1730	0.60	0.29	0.00	0.00	0.00	0.00	0.62	1.51							
1735	0.69	0.34	0.00	0.00	0.00	0.00	0.71	1.74							
1740	0.77	0.38	0.00	0.00	0.00	0.00	0.79	1.94							
1745	0.90	0.44	0.00	0.00	0.00	0.00	0.93	2.27							
1760	0.24	0.12	0.00	0.00	0.00	0.00	0.25	0.61	0.30	0.12	0.00	0.00	0.00	0.35	0.77
1765	0.28	0.14	0.00	0.00	0.00	0.00	0.29	0.71	0.36	0.14	0.00	0.00	0.00	0.42	0.92
1770	0.35	0.17	0.00	0.00	0.00	0.00	0.36	0.88	0.44	0.17	0.00	0.00	0.00	0.51	1.12
1775	0.41	0.20	0.00	0.00	0.00	0.00	0.43	1.04	0.52	0.21	0.00	0.00	0.00	0.61	1.34
1780	0.49	0.24	0.00	0.00	0.00	0.00	0.50	1.23	0.61	0.24	0.00	0.00	0.00	0.71	1.56
1785	0.60	0.29	0.00	0.00	0.00	0.00	0.62	1.51	0.75	0.30	0.00	0.00	0.00	0.88	1.93
1790	0.66	0.32	0.00	0.00	0.00	0.00	0.68	1.66	0.83	0.33	0.00	0.00	0.00	0.97	2.13
1795	0.81	0.39	0.00	0.00	0.00	0.00	0.83	2.03	1.01	0.40	0.00	0.00	0.00	1.19	2.60
1800	0.86	0.42	0.00	0.00	0.00	0.00	0.89	2.17	1.08	0.43	0.00	0.00	0.00	1.26	2.77
1805	1.04	0.51	0.00	0.00	0.00	0.00	1.07	2.62	1.30	0.52	0.00	0.00	0.00	1.53	3.35
1810	1.13	0.55	0.00	0.00	0.00	0.00	1.16	2.84	1.41	0.56	0.00	0.00	0.00	1.65	3.62
1815	1.23	0.60	0.00	0.00	0.00	0.00	1.27	3.10	1.54	0.61	0.00	0.00	0.00	1.81	3.96
1820	1.37	0.67	0.00	0.00	0.00	0.00	1.41	3.45	1.71	0.68	0.00	0.00	0.00	2.01	4.40
1825	1.58	0.77	0.00	0.00	0.00	0.00	1.62	3.97	1.97	0.79	0.00	0.00	0.00	2.32	5.08
1830	1.71	0.83	0.00	0.00	0.00	0.00	1.76	4.30	2.14	0.85	0.00	0.00	0.00	2.52	5.51
1835	2.10	1.02	0.00	0.00	0.00	0.00	2.16	5.28	2.63	1.05	0.00	0.00	0.00	3.09	6.77
1840	2.42	1.18	0.00	0.00	0.00	0.00	2.49	6.09	3.02	1.20	0.00	0.00	0.00	3.56	7.78
1850	0.28	0.14	0.00	0.00	0.00	0.00	0.29	0.71	0.35	0.14	0.00	0.00	0.00	0.41	0.90
1855	0.34	0.17	0.00	0.00	0.00	0.00	0.35	0.86	0.43	0.17	0.00	0.00	0.00	0.50	1.10
1860	0.42	0.21	0.00	0.00	0.00	0.00	0.44	1.07	0.53	0.21	0.00	0.00	0.00	0.62	1.36
1865	0.51	0.25	0.00	0.00	0.00	0.00	0.52	1.28	0.64	0.25	0.00	0.00	0.00	0.75	1.64
1870	0.59	0.29	0.00	0.00	0.00	0.00	0.60	1.48	0.73	0.29	0.00	0.00	0.00	0.86	1.88
1875	0.70	0.34	0.00	0.00	0.00	0.00	0.72	1.76	0.88	0.35	0.00	0.00	0.00	1.03	2.26
1880	0.77	0.38	0.00	0.00	0.00	0.00	0.80	1.95	0.97	0.39	0.00	0.00	0.00	1.14	2.50
1885	0.93	0.45	0.00	0.00	0.00	0.00	0.96	2.34	1.16	0.46	0.00	0.00	0.00	1.37	2.99
1890	0.99	0.48	0.00	0.00	0.00	0.00	1.02	2.49	1.24	0.50	0.00	0.00	0.00	1.46	3.20
1895	1.27	0.62	0.00	0.00	0.00	0.00	1.31	3.20	1.59	0.63	0.00	0.00	0.00	1.87	4.09
1900	1.32	0.64	0.00	0.00	0.00	0.00	1.36	3.32	1.65	0.66	0.00	0.00	0.00	1.94	4.25
1905	1.50	0.73	0.00	0.00	0.00	0.00	1.55	3.78	1.88	0.75	0.00	0.00	0.00	2.21	4.84
1910	1.66	0.81	0.00	0.00	0.00	0.00	1.70	4.17	2.07	0.82	0.00	0.00	0.00	2.43	5.32
1915	1.98	0.97	0.00	0.00	0.00	0.00	2.04	4.99	2.48	0.99	0.00	0.00	0.00	2.92	6.39
1920	2.11	1.03	0.00	0.00	0.00	0.00	2.17	5.31	2.64	1.05	0.00	0.00	0.00	3.11	6.80
1925	2.69	1.31	0.00	0.00	0.00	0.00	2.77	6.77	3.37	1.34	0.00	0.00	0.00	3.96	8.67
1930	3.00	1.46	0.00	0.00	0.00	0.00	3.09	7.55	3.75	1.49	0.00	0.00	0.00	4.41	9.65
1940	1.12	0.54	0.00	0.00	0.00	0.00	1.15	2.81	1.40	0.56	0.00	0.00	0.00	1.64	3.60
1945	1.16	0.57	0.00	0.00	0.00	0.00	1.20	2.93	1.45	0.58	0.00	0.00	0.00	1.71	3.74

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPP	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPP	PEPF	
1950	1.30	0.63	0.00	0.00	0.00	0.00	1.34	3.27	1.63	0.65	0.00	0.00	0.00	0.00	1.91	4.19
1955	1.74	0.85	0.00	0.00	0.00	0.00	1.79	4.38	2.18	0.87	0.00	0.00	0.00	0.00	2.56	5.61
1960	1.95	0.95	0.00	0.00	0.00	0.00	2.00	4.90	2.43	0.97	0.00	0.00	0.00	0.00	2.86	6.26
1965	2.01	0.98	0.00	0.00	0.00	0.00	2.07	5.06	2.51	1.00	0.00	0.00	0.00	0.00	2.96	6.47
1970	2.15	1.05	0.00	0.00	0.00	0.00	2.22	5.42	2.69	1.07	0.00	0.00	0.00	0.00	3.16	6.92
1975	2.74	1.33	0.00	0.00	0.00	0.00	2.82	6.89	3.42	1.36	0.00	0.00	0.00	0.00	4.03	8.81
1980	2.82	1.37	0.00	0.00	0.00	0.00	2.90	7.09	3.52	1.40	0.00	0.00	0.00	0.00	4.14	9.06
1985	3.59	1.75	0.00	0.00	0.00	0.00	3.69	9.03	4.48	1.79	0.00	0.00	0.00	0.00	5.27	11.54
1990	3.70	1.80	0.00	0.00	0.00	0.00	3.81	9.31	4.63	1.84	0.00	0.00	0.00	0.00	5.44	11.91
1995	4.40	2.14	0.00	0.00	0.00	0.00	4.53	11.07	5.51	2.19	0.00	0.00	0.00	0.00	6.47	14.17
2000	4.64	2.26	0.00	0.00	0.00	0.00	4.77	11.67	5.80	2.31	0.00	0.00	0.00	0.00	6.82	14.93
2010	0.74	0.36	0.00	0.00	0.00	0.00	0.76	1.86	0.93	0.37	0.00	0.00	0.00	0.00	1.09	2.39
2015	0.95	0.46	0.00	0.00	0.00	0.00	0.98	2.39	1.19	0.47	0.00	0.00	0.00	0.00	1.40	3.06
2020	1.30	0.63	0.00	0.00	0.00	0.00	1.34	3.27	1.63	0.65	0.00	0.00	0.00	0.00	1.91	4.19
2025	1.72	0.84	0.00	0.00	0.00	0.00	1.77	4.33	2.16	0.86	0.00	0.00	0.00	0.00	2.53	5.55
2030	2.57	1.25	0.00	0.00	0.00	0.00	2.65	6.47	3.22	1.26	0.00	0.00	0.00	0.00	3.78	8.28
2035	2.94	1.43	0.00	0.00	0.00	0.00	3.02	7.39	3.67	1.46	0.00	0.00	0.00	0.00	4.32	9.45
2040	3.56	1.73	0.00	0.00	0.00	0.00	3.66	8.95	4.45	1.77	0.00	0.00	0.00	0.00	5.23	11.45
2045	4.33	2.11	0.00	0.00	0.00	0.00	4.45	10.89	5.41	2.15	0.00	0.00	0.00	0.00	6.36	13.92
2050	5.25	2.55	0.00	0.00	0.00	0.00	5.40	13.20	6.56	2.61	0.00	0.00	0.00	0.00	7.71	16.88
2055	6.09	2.97	0.00	0.00	0.00	0.00	6.27	15.33	7.62	3.03	0.00	0.00	0.00	0.00	8.96	19.61
2065	0.20	0.06	0.35	0.08	0.00	0.00	0.30	0.99								
2070	0.16	0.05	0.35	0.08	0.00	0.00	0.23	0.87								
2075	0.21	0.07	0.59	0.14	0.00	0.00	0.32	1.33								
2080	0.27	0.09	0.59	0.14	0.00	0.00	0.41	1.50								
2085	0.35	0.11	0.70	0.17	0.00	0.00	0.53	1.86								
2090	0.14	0.04	0.35	0.08	0.00	0.00	0.21	0.82								
2095	0.22	0.07	0.82	0.20	0.00	0.00	0.33	1.64								
2100	0.41	0.13	1.06	0.25	0.00	0.00	0.61	2.46								
2105	0.43	0.13	0.38	0.09	0.00	0.00	0.64	1.67								
2110	0.69	0.21	0.55	0.13	0.00	0.00	1.03	2.61								
2115	1.40	0.44	0.55	0.13	0.00	0.00	2.11	4.63								
2120	1.35	0.42	0.44	0.10	0.00	0.00	2.04	4.35								
2125	1.52	0.48	0.44	0.10	0.00	0.00	2.30	4.84								
2130	1.72	0.54	0.49	0.12	0.00	0.00	2.60	5.47								
2135	2.10	0.66	0.71	0.17	0.00	0.00	3.16	6.80								
2145	0.11	0.05	0.46	0.15	0.00	0.00	0.13	0.90								
2155	0.11	0.05	0.64	0.21	0.00	0.00	0.12	1.13								
2160	0.42	0.20	1.47	0.47	0.00	0.00	0.49	3.05								
2165	0.54	0.26	1.47	0.47	0.00	0.00	0.63	3.37								
2175	8.86	4.83	5.56	1.56	0.00	0.00	12.78	33.59								
2180	15.61	8.51	8.14	2.28	0.00	0.00	22.52	57.06								
2185	27.58	15.03	9.78	2.74	0.00	0.00	39.79	94.92								
2195	1.76	0.97	4.26	1.36	0.03	0.01	2.54	10.93								
2200	8.07	4.40	3.91	1.10	0.00	0.00	11.64	29.12								
2210	2.11	0.86	0.69	0.19	0.06	0.01	2.83	6.75								
2215	2.38	0.96	1.15	0.32	0.04	0.01	3.18	8.04								
2220	0.89	0.36	0.00	0.18	0.00	0.00	1.19	2.62								
2225	1.43	0.57	0.00	0.28	0.00	0.00	1.91	4.19								
2235	4.16	1.67	3.58	1.00	0.02	0.00	5.55	15.98								
2245	4.89	1.96	6.34	1.78	0.02	0.00	6.53	21.52								
2250	12.42	5.01	14.11	3.95	0.24	0.04	16.60	52.37								
2260	4.33	1.74	3.86	1.08	0.02	0.00	5.78	16.81								
2265	6.71	2.72	8.77	2.45	0.13	0.02	8.98	29.78								
2270	6.90	2.79	8.77	2.45	0.13	0.02	9.22	30.28								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE		
2275	12.92	5.28	11.76	3.29	0.60	0.09	17.32	51.26								
2280	18.86	7.67	11.76	3.29	0.68	0.10	25.26	67.62								
2285	23.44	9.59	16.06	4.50	1.17	0.18	31.43	86.37								
2290	23.71	9.70	16.06	4.50	1.17	0.18	31.80	87.12								
2300	10.95	6.32	2.87	0.52	0.00	0.00	11.41	32.07	13.14	6.42	3.64	0.66	0.00	15.64	39.50	
2305	11.96	8.50	3.52	0.63	0.00	0.00	14.24	38.85	13.80	8.58	4.46	0.80	0.00	0.00	18.48	46.12
2310	11.44	9.10	2.82	0.51	0.00	0.00	11.00	34.87	13.20	9.18	3.64	0.66	0.00	0.00	13.76	40.44
2320	12.13	9.65	2.82	0.51	0.00	0.00	11.67	36.78	14.00	9.73	3.64	0.66	0.00	0.00	14.59	42.62
2330	12.85	10.22	2.82	0.51	0.00	0.00	12.36	38.76	14.82	10.30	3.64	0.66	0.00	0.00	15.45	44.87
2340	16.69	11.86	5.19	0.93	0.00	0.00	19.86	54.53	19.26	11.97	6.58	1.18	0.00	0.00	25.78	64.77
2345	15.17	12.06	4.15	0.75	0.00	0.00	14.59	46.72	17.50	12.17	5.36	0.97	0.00	0.00	18.24	54.24
2355	13.48	12.75	4.15	0.75	0.00	0.00	15.14	46.27	15.17	12.82	5.36	0.97	0.00	0.00	18.24	52.56
2365	17.18	16.24	4.15	0.75	0.00	0.00	19.28	57.60	19.32	16.33	5.36	0.97	0.00	0.00	23.24	65.22
2375	22.65	21.41	7.09	1.28	0.00	0.00	25.42	77.85	25.48	21.54	9.16	1.65	0.00	0.00	30.64	88.47
2385	23.68	22.36	7.09	1.28	0.00	0.00	26.58	81.01	26.64	22.52	9.16	1.65	0.00	0.00	32.04	92.01
2390	24.46	20.64	8.87	1.60	0.00	0.00	32.75	88.32	27.51	20.77	11.23	2.02	0.00	0.00	40.93	102.46
2400	26.85	25.39	7.09	1.28	0.00	0.00	30.14	90.75	30.21	25.54	9.16	1.65	0.00	0.00	36.33	102.89
2410	25.15	26.29	7.09	1.28	0.00	0.00	32.27	92.08	27.95	26.42	9.16	1.65	0.00	0.00	38.09	103.27
2420	27.22	28.45	7.09	1.28	0.00	0.00	34.92	98.96	30.24	28.59	9.16	1.65	0.00	0.00	41.22	110.86
2435	11.49	6.63	3.55	0.64	0.00	0.00	11.96	34.27	13.78	6.74	4.50	0.81	0.00	0.00	16.40	42.23
2440	9.01	7.16	2.84	0.51	0.00	0.00	8.67	28.19	10.39	7.23	3.67	0.66	0.00	0.00	10.83	32.78
2450	14.61	9.09	5.19	0.93	0.00	0.00	17.39	47.21	17.27	9.21	6.82	1.23	0.00	0.00	23.13	57.66
2455	12.46	8.85	4.45	0.80	0.00	0.00	14.82	41.38	14.37	8.94	5.64	1.01	0.00	0.00	19.24	49.20
2460	11.61	9.23	3.56	0.64	0.00	0.00	11.17	36.21	13.40	9.31	4.60	0.83	0.00	0.00	13.96	42.10
2470	20.44	12.71	6.42	1.16	0.00	0.00	24.32	65.05	24.15	12.88	8.43	1.52	0.00	0.00	32.34	79.32
2475	17.98	12.78	5.50	0.99	0.00	0.00	21.40	58.65	20.75	12.90	6.97	1.25	0.00	0.00	27.78	69.65
2485	24.06	16.17	7.39	1.33	0.00	0.00	32.22	83.17	27.50	18.32	9.71	1.75	0.00	0.00	40.91	98.19
2490	23.05	17.40	7.39	1.33	0.00	0.00	30.86	80.03	26.34	17.55	9.71	1.75	0.00	0.00	39.19	94.54
2495	20.68	17.45	6.33	1.14	0.00	0.00	27.69	73.29	23.27	17.57	8.02	1.44	0.00	0.00	34.62	84.92
2500	18.89	17.86	5.07	0.91	0.00	0.00	21.20	63.93	21.25	17.96	6.55	1.18	0.00	0.00	25.56	72.50
2510	23.54	22.25	6.01	1.08	0.00	0.00	26.42	79.30	26.48	22.38	7.76	1.40	0.00	0.00	31.84	89.86
2515	24.21	20.43	7.51	1.35	0.00	0.00	32.41	85.91	27.24	20.56	9.51	1.71	0.00	0.00	40.52	99.54
2525	29.12	21.98	8.87	1.60	0.00	0.00	38.99	100.56	33.28	22.17	11.66	2.10	0.00	0.00	49.51	118.72
2530	27.57	20.81	8.87	1.60	0.00	0.00	36.91	95.76	31.51	20.99	11.66	2.10	0.00	0.00	46.87	113.13
2535	23.79	20.07	7.60	1.37	0.00	0.00	31.86	84.69	26.77	20.21	9.63	1.73	0.00	0.00	39.82	98.16
2545	36.10	30.46	13.16	2.37	0.00	0.00	59.07	141.16	40.61	30.66	17.29	3.11	0.00	0.00	66.46	158.13
2550	24.34	25.45	11.28	2.03	0.00	0.00	39.03	102.13	27.05	25.57	14.29	2.57	0.00	0.00	47.71	117.19
2565	8.83	7.02	2.72	0.49	0.00	0.00	8.50	27.56	10.19	7.08	3.51	0.63	0.00	0.00	10.62	32.03
2575	11.24	10.62	4.08	0.73	0.00	0.00	12.61	39.28	12.64	10.69	5.27	0.95	0.00	0.00	15.20	44.75
2585	15.46	14.62	4.20	0.76	0.00	0.00	17.35	52.39	17.39	14.70	5.43	0.98	0.00	0.00	20.92	59.42
2595	24.74	23.39	6.06	1.09	0.00	0.00	27.77	83.05	27.84	23.53	7.82	1.41	0.00	0.00	33.48	94.08
2610	17.55	14.81	8.87	1.60	0.00	0.00	23.50	66.33	19.75	14.91	11.23	2.02	0.00	0.00	29.38	77.29
2615	17.61	16.65	7.09	1.28	0.00	0.00	19.77	62.40	19.81	16.74	9.16	1.65	0.00	0.00	23.82	71.18
2625	22.32	18.83	10.29	1.85	0.00	0.00	29.89	83.18	25.11	18.96	13.03	2.35	0.00	0.00	37.36	96.81
2630	20.98	19.83	8.23	1.46	0.00	0.00	23.55	74.07	23.60	19.95	10.63	1.91	0.00	0.00	28.38	84.47
2640	29.71	25.07	11.12	2.00	0.00	0.00	39.78	107.68	33.42	25.23	14.09	2.54	0.00	0.00	49.72	125.00
2645	25.12	26.26	8.90	1.60	0.00	0.00	32.22	94.10	27.91	26.39	11.49	2.07	0.00	0.00	38.04	105.90
2655	38.48	40.23	16.93	3.05	0.00	0.00	49.37	148.06	42.76	40.42	21.87	3.94	0.00	0.00	58.28	167.27
2660	39.19	40.97	21.17	3.81	0.00	0.00	62.84	167.98	43.55	41.17	26.81	4.83	0.00	0.00	76.81	193.17
2675	12.51	8.89	7.35	1.32	0.00	0.00	14.89	44.96	14.43	8.97	9.32	1.68	0.00	0.00	19.32	53.72
2680	11.47	9.13	5.88	1.06	0.00	0.00	11.04	38.58	13.24	9.21	7.60	1.37	0.00	0.00	13.80	45.22
2690	24.27	15.10	9.48	1.71	0.00	0.00	28.89	79.45	28.69	15.29	12.46	2.24	0.00	0.00	38.41	97.09
2695	18.05	12.82	8.13	1.46	0.00	0.00	21.48	61.94	20.82	12.95	10.29	1.85	0.00	0.00	27.88	73.79
2700	16.57	13.17	6.50	1.17	0.00	0.00	15.94	53.35	19.11	13.29	8.40	1.51	0.00	0.00	19.92	62.23
2710	18.79	15.85	8.13	1.46	0.00	0.00	25.16	69.39	21.14	15.96	10.29	1.85	0.00	0.00	31.45	80.69

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPF	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPF	REPR	TOTAL RATE
2715	17.28	16.34	6.50	1.17	0.00	0.00	19.40	60.69	19.44	16.44	8.40	1.51	0.00	0.00	23.38	69.17
2725	32.65	24.65	12.91	2.32	0.00	0.00	43.72	116.25	37.31	24.82	16.96	3.05	0.00	0.00	55.51	137.69
2730	26.16	22.07	11.06	1.99	0.00	0.00	35.03	96.31	29.43	22.22	14.01	2.52	0.00	0.00	45.79	111.97
2735	25.14	23.76	8.85	1.59	0.00	0.00	28.21	87.55	28.28	23.90	11.43	2.06	0.00	0.00	34.01	99.68
2745	23.07	24.11	13.29	2.39	0.00	0.00	36.99	99.85	25.63	24.23	16.83	3.03	0.00	0.00	45.21	114.93
2750	27.24	25.75	10.63	1.91	0.00	0.00	30.57	96.10	30.64	25.90	13.73	2.47	0.00	0.00	36.85	109.59
2765	11.69	8.31	5.87	1.06	0.00	0.00	13.92	40.85	13.49	8.39	7.44	1.34	0.00	0.00	18.06	48.72
2770	10.71	8.51	4.70	0.85	0.00	0.00	10.30	35.07	12.35	8.59	6.07	1.09	0.00	0.00	12.67	40.97
2780	13.32	9.47	5.87	1.06	0.00	0.00	15.86	45.58	15.37	9.56	7.44	1.34	0.00	0.00	20.58	54.29
2785	12.23	9.73	4.70	0.85	0.00	0.00	11.77	39.28	14.12	9.81	6.07	1.09	0.00	0.00	14.71	45.80
2795	17.10	12.15	5.87	1.06	0.00	0.00	20.35	56.53	19.73	12.27	7.44	1.34	0.00	0.00	26.41	67.19
2800	13.96	13.20	4.70	0.85	0.00	0.00	15.67	48.38	15.71	13.28	6.07	1.09	0.00	0.00	18.89	55.04
2815	4.22	3.76	4.38	1.23	0.86	0.13	4.81	19.39								
2820	4.57	4.05	4.50	1.26	0.86	0.13	5.20	20.57								
2825	5.02	4.54	4.50	1.26	1.35	0.20	5.75	22.62								
2830	5.52	4.97	4.50	1.26	1.39	0.21	6.31	24.16								
2835	7.23	6.49	6.11	1.71	1.22	0.18	8.26	31.20								
2840	10.00	9.06	6.65	1.86	2.78	0.42	11.45	42.22								
2845	11.84	10.81	6.65	1.86	3.64	0.55	13.59	48.94								
2850	14.84	13.31	8.14	2.28	3.53	0.53	16.94	59.57								
2855	18.98	17.17	9.00	2.52	5.19	0.78	21.72	75.36								
2865	4.55	3.96	4.70	1.32	0.55	0.08	5.15	20.31								
2870	4.86	4.23	4.70	1.32	0.55	0.08	5.50	21.24								
2875	5.21	4.52	4.70	1.32	0.55	0.08	5.89	22.27								
2885	4.40	3.84	4.89	1.37	0.55	0.08	4.98	20.11								
2890	4.61	4.02	4.89	1.37	0.55	0.08	5.22	20.74								
2895	4.78	4.16	4.89	1.37	0.55	0.08	5.41	21.24								
2900	5.35	4.75	4.89	1.37	1.04	0.16	6.09	23.65								
2905	6.61	6.06	6.07	1.70	2.18	0.33	7.59	30.54								
2910	6.82	6.24	6.07	1.70	2.18	0.33	7.83	31.17								
2915	9.51	8.64	7.91	2.21	2.78	0.42	10.90	42.37								
2920	9.84	8.93	7.91	2.21	2.78	0.42	11.27	43.36								
2925	10.15	9.18	7.91	2.21	2.78	0.42	11.61	44.26								
2930	13.57	12.24	9.20	2.58	3.53	0.53	15.51	57.16								
2940	4.47	3.90	4.70	1.32	0.55	0.08	5.06	20.08								
2945	5.03	4.48	4.70	1.32	1.04	0.16	5.73	22.46								
2950	11.31	10.16	7.36	2.06	2.78	0.42	12.92	47.01								
2960	7.74	6.71	6.60	1.72	0.77	0.12	6.95	30.61	8.70	6.75	8.46	2.20	0.93	0.14	8.47	35.65
2965	13.66	11.77	9.42	2.45	1.02	0.15	12.25	50.72	15.37	11.84	12.14	3.16	1.25	0.19	14.93	58.88
2975	8.39	6.81	6.73	1.75	0.52	0.08	6.77	31.05	9.69	6.87	8.86	2.30	0.64	0.10	8.59	37.05
2980	8.74	7.60	7.95	2.07	0.97	0.15	7.85	35.33	9.83	7.65	10.45	2.72	1.20	0.18	9.57	41.60
2985	11.13	9.62	8.34	2.17	0.98	0.15	9.99	42.38	12.52	9.68	10.97	2.85	1.20	0.18	12.17	49.57
2990	14.32	13.94	9.60	2.50	2.60	0.39	15.06	58.41	15.91	14.02	12.35	3.21	3.21	0.48	17.93	67.11
2995	22.34	21.42	9.94	2.58	2.60	0.39	23.42	82.69	24.83	21.54	12.74	3.31	3.21	0.48	27.86	93.99
3000	23.81	25.06	15.23	3.96	3.28	0.49	28.53	100.36	26.19	25.17	19.63	5.10	4.05	0.61	33.35	114.10
3010	8.21	6.69	8.45	2.20	0.62	0.09	6.63	32.89	9.48	6.75	11.12	2.89	0.77	0.12	8.41	39.54
3015	8.72	7.51	8.45	2.20	0.70	0.10	7.82	35.50	9.80	7.56	11.12	2.89	0.86	0.13	9.53	41.89
3020	10.62	9.16	9.55	2.46	0.84	0.13	9.53	42.31	11.95	9.22	12.57	3.27	1.02	0.15	11.61	49.79
3030	8.46	6.87	8.22	2.14	0.54	0.08	6.83	33.14	9.76	6.93	10.81	2.81	0.66	0.10	8.66	39.73
3035	9.66	8.36	9.55	2.48	0.93	0.14	8.67	39.79	10.87	8.42	12.57	3.27	1.15	0.17	10.57	47.02
3040	10.79	9.32	9.55	2.48	0.93	0.14	9.68	42.89	12.14	9.38	12.57	3.27	1.15	0.17	11.80	50.48
3045	15.19	14.75	14.29	3.71	2.60	0.39	15.97	66.90	16.88	14.83	18.80	4.89	3.21	0.48	19.01	76.10
3055	13.57	11.84	6.21	1.62	1.73	0.26	12.20	47.43	15.26	11.92	7.92	2.06	2.14	0.32	14.87	54.49
3060	12.51	12.06	6.21	1.62	1.73	0.26	13.13	47.52	13.90	12.12	7.92	2.06	2.14	0.32	15.63	54.09
3065	15.68	15.02	9.66	2.51	1.73	0.26	16.43	61.29	17.43	15.10	12.45	3.24	2.14	0.32	19.56	70.24

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPP	TOTAL RATE
3070	17.49	16.82	10.47	2.72	2.22	0.33	18.34	68.39	19.44	16.91	13.39	3.48	2.74	0.41	21.84	78.21
3075	23.03	24.02	13.01	3.38	2.22	0.33	27.54	93.53	25.33	24.12	16.74	4.35	2.74	0.41	32.19	105.88
3085	13.32	11.64	6.02	1.56	1.73	0.26	11.99	46.52	14.99	11.71	7.66	1.99	2.14	0.32	14.61	53.42
3090	16.48	16.04	8.75	2.27	2.97	0.45	17.33	64.29	18.31	16.12	11.17	2.90	3.67	0.55	20.63	73.35
3095	18.23	19.12	8.98	2.34	2.22	0.33	21.82	73.04	20.05	19.20	11.48	2.98	2.74	0.41	25.51	82.37
3105	13.05	11.40	6.27	1.63	1.73	0.26	11.74	46.08	14.68	11.48	7.99	2.08	2.14	0.32	14.31	53.00
3110	13.45	12.94	7.96	2.07	1.73	0.26	14.11	52.52	14.95	13.01	10.16	2.64	2.14	0.32	16.79	60.01
3115	16.48	16.04	10.70	2.78	2.97	0.45	17.33	66.75	18.31	16.12	13.77	3.58	3.67	0.55	20.63	76.63
3120	18.03	19.19	10.70	2.78	3.39	0.51	21.66	76.26	19.83	19.28	13.77	3.58	4.15	0.62	25.32	86.55
3130	9.90	8.04	4.62	1.20	0.69	0.10	7.98	32.53	11.42	8.11	5.87	1.53	0.86	0.13	10.13	38.05
3135	10.05	8.66	5.03	1.31	0.80	0.12	9.01	34.98	11.30	8.72	6.40	1.66	0.99	0.15	10.98	40.20
3140	10.99	9.50	5.16	1.34	1.04	0.16	9.86	38.05	12.36	9.57	6.55	1.70	1.28	0.19	12.02	43.67
3145	14.36	12.51	6.98	1.82	1.73	0.26	12.91	50.57	16.16	12.59	8.93	2.32	2.14	0.32	15.74	58.20
3150	14.35	13.78	7.12	1.85	1.73	0.26	15.05	54.14	15.95	13.85	9.09	2.36	2.14	0.32	17.91	61.62
3155	16.01	15.43	8.78	2.28	2.22	0.33	16.80	61.85	17.79	15.51	11.18	2.91	2.74	0.41	20.00	70.54
3160	19.93	19.09	9.53	2.48	2.22	0.33	20.88	74.46	22.14	19.19	12.16	3.16	2.74	0.41	24.86	84.66
3165	19.71	20.63	10.74	2.79	2.22	0.33	23.59	80.01	21.69	20.72	13.75	3.58	2.74	0.41	27.57	90.46
3170	40.61	42.27	17.49	4.55	3.53	0.53	48.54	157.52	44.67	42.45	22.53	5.86	4.37	0.65	56.73	177.26
3180	5.08	2.49	0.00	0.31	0.00	0.00	6.88	14.76								
3185	4.67	2.29	0.00	0.46	0.00	0.00	6.32	13.74								
3190	5.31	2.60	0.00	0.62	0.00	0.00	7.19	15.72								
3195	6.29	3.08	0.00	0.62	0.00	0.00	8.51	18.50								
3200	7.01	3.44	0.00	0.77	0.00	0.00	9.48	20.70								
3210	5.75	2.82	0.00	0.44	0.00	0.00	7.78	16.79								
3215	6.27	3.07	0.00	0.59	0.00	0.00	8.48	18.41								
3220	7.13	3.50	0.00	0.93	0.00	0.00	9.65	21.21								
3230	5.13	2.52	0.00	0.51	0.00	0.00	6.94	15.10								
3235	5.84	2.86	0.00	0.51	0.00	0.00	7.90	17.11								
3240	7.14	3.50	0.00	0.76	0.00	0.00	9.66	21.06								
3250	1.25	0.61	0.00	0.29	0.00	0.00	1.69	3.84								
3255	0.80	0.39	0.00	0.29	0.00	0.00	1.08	2.56								
3260	0.12	0.06	0.00	0.23	0.00	0.00	0.16	0.57								
3270	1.89	0.93	2.13	0.51	0.00	0.00	2.56	8.02								
3275	1.33	0.65	0.97	0.23	0.00	0.00	1.80	4.98								
3285	1.19	0.58	1.25	0.20	0.00	0.00	1.61	4.83								
3290	1.82	0.89	3.24	0.52	0.00	0.00	2.46	8.93								
3295	2.16	1.06	1.94	0.46	0.00	0.00	2.93	8.55								
3300	2.49	1.22	2.61	0.63	0.00	0.00	3.37	10.32								
3305	2.99	1.47	2.90	0.70	0.00	0.00	4.04	12.10								
3315	1.14	0.56	1.88	0.30	0.00	0.00	1.54	5.42								
3320	1.76	0.86	2.37	0.57	0.00	0.00	2.38	7.94								
3330	14.56	10.56	14.72	3.53	1.31	0.20	19.78	64.66								
3340	13.63	9.90	10.89	2.61	1.32	0.20	18.52	57.07								
3345	20.87	15.12	16.22	3.89	1.77	0.27	28.34	86.48								
3350	22.23	16.09	16.94	4.07	1.77	0.27	30.18	91.55								
3355	16.21	11.56	19.85	4.76	0.00	0.00	21.94	74.32								
3360	17.93	12.79	19.85	4.76	0.00	0.00	24.26	79.59								
3365	20.29	18.99	19.85	4.76	0.00	0.00	27.45	91.34								
3370	37.40	35.00	17.76	8.88	0.00	0.00	25.30	124.34								
3380	1.81	0.91	5.36	1.29	0.11	0.02	1.89	11.39								
3385	2.06	1.04	6.81	1.63	0.12	0.02	2.16	13.84								
3390	3.18	1.58	9.88	2.37	0.15	0.02	3.31	20.49								
3395	4.37	2.23	10.81	2.60	0.41	0.06	4.57	25.05								
3400	5.00	2.53	10.81	2.60	0.41	0.06	5.23	26.64								
3405	5.19	2.64	10.81	2.60	0.48	0.07	5.44	27.23								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3410	5.76	2.91	10.81	2.60	0.46	0.07	6.02	26.63								
3415	10.75	5.60	16.18	3.88	1.53	0.23	11.32	49.49								
3430	1.14	0.81	5.05	1.21	0.00	0.00	1.37	9.56	1.26	0.81	6.64	1.59	0.00	0.00	1.77	12.07
3435	1.34	0.95	7.83	1.88	0.00	0.00	1.61	13.61	1.49	0.96	10.30	2.47	0.00	0.00	2.05	17.31
3440	1.53	1.08	8.61	2.07	0.00	0.00	1.84	15.13	1.70	1.09	11.33	2.72	0.00	0.00	2.38	19.22
3445	1.62	1.15	10.18	2.44	0.00	0.00	1.95	17.34	1.80	1.16	15.39	3.21	0.00	0.00	2.53	22.09
3450	1.83	1.30	11.55	2.77	0.00	0.00	2.21	19.66	2.04	1.31	15.19	3.65	0.00	0.00	2.66	25.05
3455	2.14	1.52	12.92	3.10	0.00	0.00	2.58	22.26	2.38	1.53	16.99	4.08	0.00	0.00	3.34	26.32
3460	2.33	1.65	15.26	3.66	0.00	0.00	2.80	25.70	2.59	1.66	20.08	4.82	0.00	0.00	3.63	32.78
3465	4.25	3.01	16.63	3.99	0.00	0.00	5.11	32.99	4.72	3.03	21.89	5.25	0.00	0.00	6.02	41.51
3470	3.21	2.28	17.22	4.13	0.00	0.00	3.87	30.71	3.57	2.30	22.66	5.44	0.00	0.00	5.01	38.98
3475	3.74	2.65	24.46	5.87	0.00	0.00	4.49	41.21	4.15	2.67	32.19	7.72	0.00	0.00	5.82	52.55
3480	5.69	4.03	28.57	6.86	0.00	0.00	6.84	51.99	6.32	4.06	37.59	9.02	0.00	0.00	8.86	65.85
3485	8.44	5.98	31.70	7.61	0.00	0.00	10.15	63.88	9.37	6.03	41.71	10.01	0.00	0.00	13.15	80.27
3490	10.96	7.78	45.21	10.85	0.00	0.00	13.18	87.98	12.18	7.83	59.48	14.28	0.00	0.00	17.09	110.86
3505	0.08	0.05	0.51	0.12	0.00	0.00	0.09	0.85	0.08	0.05	0.67	0.16	0.00	0.00	0.12	1.08
3510	0.17	0.12	1.19	0.29	0.00	0.00	0.21	1.98	0.19	0.12	1.55	0.37	0.00	0.00	0.27	2.50
3515	0.19	0.13	1.70	0.41	0.00	0.00	0.23	2.66	0.21	0.13	2.22	0.53	0.00	0.00	0.29	3.38
3520	0.20	0.14	0.23	0.06	0.00	0.00	0.24	0.87	0.22	0.14	0.31	0.07	0.00	0.00	0.31	1.05
3525	0.26	0.19	0.47	0.11	0.00	0.00	0.32	1.35	0.29	0.19	0.62	0.15	0.00	0.00	0.41	1.66
3530	0.38	0.27	0.86	0.21	0.00	0.00	0.46	2.18	0.42	0.27	1.13	0.27	0.00	0.00	0.59	2.68
3535	0.39	0.28	1.06	0.25	0.00	0.00	0.47	2.45	0.44	0.28	1.39	0.33	0.00	0.00	0.61	3.05
3540	0.58	0.41	2.47	0.59	0.00	0.00	0.70	4.75	0.65	0.41	3.24	0.78	0.00	0.00	0.91	5.99
3545	0.77	0.54	3.41	0.82	0.00	0.00	0.92	6.46	0.85	0.55	4.48	1.08	0.00	0.00	1.20	8.16
3550	0.88	0.62	3.99	0.96	0.00	0.00	1.06	7.51	0.98	0.63	5.25	1.26	0.00	0.00	1.37	9.49
3555	1.05	0.74	6.34	1.52	0.00	0.00	1.26	10.91	1.16	0.75	8.34	2.00	0.00	0.00	1.63	13.88
3560	1.10	0.78	6.34	1.52	0.00	0.00	1.32	11.06	1.22	0.78	8.34	2.00	0.00	0.00	1.71	14.05
3565	1.28	0.91	8.22	1.97	0.00	0.00	1.54	13.92	1.42	0.91	10.81	2.60	0.00	0.00	1.99	17.73
3570	1.52	1.08	10.80	2.59	0.00	0.00	1.82	17.81	1.68	1.08	14.21	3.41	0.00	0.00	2.36	22.74
3585	5.12	3.90	4.51	1.31	0.46	0.07	5.62	20.99	6.14	3.95	5.98	1.72	0.62	0.09	7.30	25.74
3590	5.53	4.21	4.87	1.41	0.46	0.07	6.06	22.61	6.64	4.26	6.40	1.85	0.62	0.09	7.88	27.74
3595	5.90	4.49	4.87	1.41	0.51	0.08	6.47	23.73	7.08	4.55	6.40	1.85	0.68	0.10	8.41	29.07
3600	6.04	4.62	5.41	1.57	0.58	0.09	6.64	24.95	7.25	4.67	7.11	2.06	0.79	0.12	8.63	30.63
3605	8.23	6.45	6.49	1.88	1.39	0.21	9.12	33.77	9.88	6.53	8.53	2.47	1.88	0.28	11.86	41.43
3610	11.75	9.30	9.01	2.61	2.28	0.34	13.07	48.36	14.10	9.41	11.84	3.44	3.09	0.46	16.99	59.33
3620	4.21	3.24	4.51	1.31	0.51	0.08	4.63	18.49	5.05	3.28	5.92	1.72	0.68	0.10	6.02	22.77
3625	4.71	3.63	5.48	1.59	0.56	0.08	5.19	21.24	5.66	3.67	7.20	2.09	0.75	0.11	6.75	26.23
3630	5.01	3.87	6.53	1.89	0.64	0.10	5.53	22.97	6.02	3.92	7.96	2.31	0.87	0.13	7.19	28.40
3635	5.45	4.18	6.53	1.89	0.56	0.08	5.99	24.68	6.54	4.23	8.58	2.49	0.75	0.11	7.79	30.49
3640	3.93	3.04	4.51	1.31	0.51	0.08	4.34	17.72	4.72	3.08	5.92	1.72	0.68	0.10	5.64	21.86
3645	4.34	3.35	5.48	1.59	0.56	0.08	4.78	20.18	5.21	3.39	7.20	2.09	0.75	0.11	6.22	24.97
3650	4.53	3.52	5.48	1.59	0.64	0.10	5.00	20.86	5.44	3.56	7.20	2.09	0.87	0.13	6.50	25.79
3655	5.01	3.87	6.53	1.89	0.64	0.10	5.53	23.57	6.01	3.92	8.58	2.49	0.87	0.13	7.18	29.18
3660	6.01	4.81	8.29	2.40	1.39	0.21	6.71	29.82	7.21	4.87	10.90	3.16	1.88	0.28	8.73	37.03
3670	2.76	2.08	2.45	0.71	0.16	0.02	3.01	11.19	3.31	2.10	3.22	0.93	0.21	0.03	3.92	13.72
3675	4.37	3.36	4.87	1.41	0.51	0.08	4.81	19.41	5.25	3.41	6.40	1.85	0.68	0.10	6.26	23.95
3680	4.62	3.55	4.87	1.41	0.51	0.08	5.08	20.12	5.55	3.59	6.40	1.85	0.68	0.10	6.61	24.78
3685	4.96	3.82	5.77	1.67	0.58	0.09	5.46	22.35	5.95	3.86	7.58	2.20	0.79	0.12	7.09	27.59
3695	2.76	2.08	5.35	0.86	0.16	0.02	3.02	14.25	3.32	2.11	6.93	1.11	0.21	0.03	3.92	17.63
3700	5.08	3.87	5.23	1.52	0.46	0.07	5.57	21.80	6.09	3.92	6.87	1.99	0.62	0.09	7.24	26.82
3705	5.81	4.45	6.71	1.94	0.58	0.09	6.38	25.96	6.97	4.50	8.81	2.56	0.79	0.12	8.30	32.05
3715	0.38	0.19	0.00	0.09	0.00	0.00	0.45	1.11								
3720	0.69	0.34	0.00	0.18	0.00	0.00	0.82	2.03								
3725	0.87	0.43	0.00	0.28	0.00	0.00	1.03	2.61								
3730	2.18	1.06	0.00	0.37	0.00	0.00	2.58	6.19								

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
3740	4.85	2.37	3.91	0.94	0.00	0.00	5.75	17.82								
3745	6.56	3.20	3.91	0.94	0.00	0.00	7.78	22.39								
3750	10.11	4.93	5.09	1.22	0.00	0.00	11.98	33.33								
3755	11.95	5.83	5.87	1.41	0.00	0.00	14.16	39.22								
3770	7.62	4.06	3.71	0.67	0.00	0.00	7.93	23.99	9.31	4.14	4.88	0.88	0.00	0.00	11.08	30.29
3775	10.86	6.76	6.67	1.20	0.00	0.00	12.93	38.42	12.84	6.84	8.77	1.58	0.00	0.00	17.19	47.22
3780	16.03	9.97	10.81	1.95	0.00	0.00	19.08	57.84	18.95	10.10	14.21	2.56	0.00	0.00	25.37	71.19
3785	20.79	15.69	16.44	2.96	0.00	0.00	27.83	83.71	23.76	15.83	21.61	3.89	0.00	0.00	35.34	100.43
3795	9.13	4.87	5.77	1.04	0.00	0.00	9.51	30.32	11.16	4.96	7.58	1.36	0.00	0.00	13.28	38.34
3800	11.23	6.98	8.47	1.52	0.00	0.00	13.36	41.56	13.27	7.07	11.13	2.00	0.00	0.00	17.76	51.23
3805	11.00	8.30	11.10	2.00	0.00	0.00	14.72	47.12	12.57	8.37	14.59	2.63	0.00	0.00	18.70	56.86
3810	23.80	17.97	22.21	4.00	0.00	0.00	31.87	99.85	27.21	18.12	29.19	5.25	0.00	0.00	40.47	120.24
3820	11.17	5.96	6.34	1.14	0.00	0.00	11.64	36.25	13.66	6.07	8.34	1.50	0.00	0.00	16.25	45.82
3825	12.94	8.05	7.39	1.33	0.00	0.00	15.40	45.11	15.30	8.15	9.71	1.75	0.00	0.00	20.48	55.39
3830	16.42	10.21	8.94	1.61	0.00	0.00	19.54	56.72	19.41	10.35	11.75	2.12	0.00	0.00	25.98	69.61
3835	21.83	16.48	14.13	2.54	0.00	0.00	29.23	84.21	24.95	16.62	18.57	3.34	0.00	0.00	37.11	100.59
3845	5.83	3.11	4.51	0.81	0.00	0.00	6.07	20.33	7.12	3.17	5.92	1.07	0.00	0.00	8.48	25.76
3850	8.91	4.75	6.49	1.17	0.00	0.00	9.28	30.60	10.89	4.84	8.53	1.54	0.00	0.00	12.96	38.76
3860	8.32	4.44	3.24	0.58	0.00	0.00	8.67	25.25	10.17	4.52	4.26	0.77	0.00	0.00	12.11	31.83
3865	10.32	5.50	4.51	0.81	0.00	0.00	10.75	31.89	12.62	5.61	5.92	1.07	0.00	0.00	15.02	40.24
3870	15.43	9.59	7.03	1.27	0.00	0.00	18.36	51.68	18.23	9.72	9.24	1.66	0.00	0.00	24.41	63.26
3875	23.44	14.58	11.72	2.11	0.00	0.00	27.90	79.75	27.70	14.77	15.40	2.77	0.00	0.00	37.09	97.73
3885	7.35	3.92	5.66	1.02	0.00	0.00	7.65	25.60	8.98	3.99	7.44	1.34	0.00	0.00	10.69	32.44
3890	7.90	4.91	6.85	1.23	0.00	0.00	9.40	30.29	9.34	4.98	9.00	1.62	0.00	0.00	12.50	37.44
3900	9.48	5.06	4.15	0.75	0.00	0.00	9.88	29.32	11.59	5.15	5.45	0.98	0.00	0.00	13.80	36.97
3905	11.84	6.31	5.77	1.04	0.00	0.00	12.33	37.29	14.47	6.43	7.58	1.36	0.00	0.00	17.22	47.06
3910	13.42	8.34	9.81	1.77	0.00	0.00	15.97	49.31	15.85	8.45	12.89	2.32	0.00	0.00	21.23	60.74
3925	12.28	7.63	8.65	1.56	0.00	0.00	14.61	44.73	14.51	7.74	11.37	2.05	0.00	0.00	19.43	55.10
3930	14.33	8.91	10.45	1.88	0.00	0.00	17.06	52.63	16.94	9.03	13.74	2.47	0.00	0.00	22.68	64.86
3935	15.63	11.80	14.06	2.53	0.00	0.00	20.93	64.95	17.87	11.90	18.48	3.33	0.00	0.00	26.58	78.16
3945	5.92	3.16	3.89	0.70	0.00	0.00	6.17	19.84	7.24	3.22	5.12	0.92	0.00	0.00	8.62	25.12
3950	9.47	5.05	5.16	0.93	0.00	0.00	9.86	30.47	11.57	5.14	6.78	1.22	0.00	0.00	13.77	38.48
3955	9.68	6.02	7.57	1.36	0.00	0.00	11.52	36.15	11.44	6.10	9.95	1.79	0.00	0.00	15.31	44.59
3960	13.74	8.55	8.65	1.56	0.00	0.00	16.36	48.86	16.24	8.66	11.37	2.05	0.00	0.00	21.74	60.06
3965	17.14	10.66	11.07	1.99	0.00	0.00	20.40	61.26	20.26	10.80	14.55	2.62	0.00	0.00	27.13	75.36
3970	17.28	13.05	11.72	2.11	0.00	0.00	23.14	67.30	19.75	13.16	15.40	2.77	0.00	0.00	29.39	80.47
3975	21.62	16.32	13.70	2.47	0.00	0.00	28.95	83.06	24.71	16.46	18.00	3.24	0.00	0.00	36.76	99.17
3980	24.63	18.59	15.14	2.73	0.00	0.00	32.97	94.06	28.15	18.75	19.90	3.58	0.00	0.00	41.87	112.25
3985	32.27	27.23	27.40	4.93	0.00	0.00	52.81	144.64	36.30	27.41	36.01	6.48	0.00	0.00	59.41	165.61
3990	38.76	32.70	29.99	5.40	0.00	0.00	63.43	170.28	43.60	32.92	39.42	7.10	0.00	0.00	71.36	194.40
4005	8.30	4.43	5.48	0.99	0.00	0.00	8.65	27.85	10.15	4.51	7.20	1.30	0.00	0.00	12.08	35.24
4010	12.14	7.55	8.22	1.48	0.00	0.00	14.45	43.84	14.35	7.65	10.80	1.94	0.00	0.00	19.21	53.95
4015	15.04	9.35	10.96	1.97	0.00	0.00	17.90	55.22	17.77	9.47	14.40	2.59	0.00	0.00	23.79	68.02
4025	6.95	5.68	7.21	1.98	0.62	0.09	5.62	28.15	8.02	5.73	9.44	2.60	0.77	0.12	7.13	33.81
4030	8.42	7.00	7.77	2.02	1.24	0.19	6.84	33.48	9.72	7.06	10.00	2.60	1.57	0.24	8.68	39.87
4035	10.06	8.77	12.89	3.35	1.26	0.19	9.04	45.56	11.31	8.83	16.63	4.32	1.56	0.23	11.02	53.90
4045	1.28	0.64	0.00	0.10	0.00	0.00	1.60	3.62	1.60	0.65	0.00	0.10	0.00	0.00	2.25	4.60
4050	1.68	0.84	0.00	0.12	0.00	0.00	2.11	4.75	2.11	0.86	0.00	0.12	0.00	0.00	2.96	6.05
4055	2.50	1.24	0.00	0.15	0.00	0.00	3.12	7.01	3.12	1.27	0.00	0.15	0.00	0.00	4.39	8.93
4060	1.28	0.63	0.00	0.21	0.00	0.00	1.59	3.71	1.59	0.65	0.00	0.21	0.00	0.00	2.24	4.69
4070	0.82	0.50	0.57	0.14	0.00	0.00	2.13	4.16								
4080	0.74	0.45	0.62	0.15	0.00	0.00	1.93	3.89								
4090	1.58	1.19	1.10	0.31	0.76	0.11	2.78	7.83	1.97	1.21	1.44	0.40	1.19	0.18	3.86	10.25
4100	0.33	0.22	0.00	0.00	0.00	0.00	0.56	1.11	0.41	0.23	0.00	0.00	0.00	0.77	1.41	
4105	0.47	0.32	0.00	0.00	0.00	0.00	0.79	1.58	0.58	0.33	0.00	0.00	0.00	0.00	1.10	
															2.01	

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR		
4110	0.07	0.05	0.00	0.00	0.00	0.00	0.12	0.24	0.09	0.05	0.00	0.00	0.00	0.00	0.31	
4115	0.39	0.27	0.00	0.00	0.00	0.00	0.66	1.32	0.49	0.27	0.00	0.00	0.00	0.00	1.68	
4120	0.32	0.22	0.00	0.00	0.00	0.00	0.54	1.08	0.40	0.22	0.00	0.00	0.00	0.75	1.37	
4125	0.38	0.26	0.00	0.00	0.00	0.00	0.64	1.28	0.47	0.26	0.00	0.00	0.00	0.89	1.62	
4130	0.49	0.34	0.00	0.00	0.00	0.00	0.84	1.67	0.62	0.34	0.00	0.00	0.00	1.16	2.12	
4135	0.06	0.04	0.00	0.00	0.00	0.00	0.10	0.20	0.07	0.04	0.00	0.00	0.00	0.14	0.25	
4140	1.76	1.33	1.64	0.46	0.93	0.14	3.11	9.37	2.20	1.35	2.16	0.61	1.46	0.22	43.32	
4150	0.40	0.28	0.00	0.00	0.00	0.00	0.69	1.37	0.51	0.28	0.00	0.00	0.00	0.96	1.75	
4155	0.49	0.34	0.00	0.00	0.00	0.00	0.83	1.66	0.61	0.34	0.00	0.00	0.00	1.16	2.11	
4160	0.07	0.05	0.00	0.00	0.00	0.00	0.12	0.24	0.09	0.05	0.00	0.00	0.00	0.17	0.31	
4165	0.39	0.27	0.00	0.00	0.00	0.00	0.66	1.32	0.49	0.27	0.00	0.00	0.00	0.92	1.68	
4170	0.36	0.24	0.00	0.00	0.00	0.00	0.61	1.21	0.45	0.25	0.00	0.00	0.00	0.84	1.54	
4175	0.44	0.30	0.00	0.00	0.00	0.00	0.75	1.49	0.55	0.31	0.00	0.00	0.00	1.04	1.90	
4180	0.56	0.38	0.00	0.00	0.00	0.00	0.95	1.89	0.70	0.39	0.00	0.00	0.00	1.32	2.41	
4185	0.06	0.04	0.00	0.00	0.00	0.00	0.10	0.20	0.07	0.04	0.00	0.00	0.00	0.14	0.25	
4190	1.98	1.53	2.19	0.61	1.24	0.19	3.53	11.27	2.48	1.55	2.88	0.81	1.94	0.29	4.90	14.85
4200	0.43	0.30	0.00	0.00	0.00	0.00	0.74	1.47	0.54	0.30	0.00	0.00	0.00	1.02	1.86	
4205	0.52	0.36	0.00	0.00	0.00	0.00	0.88	1.76	0.65	0.36	0.00	0.00	0.00	1.22	2.23	
4210	0.07	0.05	0.00	0.00	0.00	0.00	0.12	0.24	0.09	0.05	0.00	0.00	0.00	0.17	0.31	
4215	0.39	0.27	0.00	0.00	0.00	0.00	0.66	1.32	0.49	0.27	0.00	0.00	0.00	0.92	1.68	
4220	0.40	0.28	0.00	0.00	0.00	0.00	0.69	1.37	0.50	0.28	0.00	0.00	0.00	0.95	1.73	
4225	0.53	0.36	0.00	0.00	0.00	0.00	0.90	1.79	0.66	0.37	0.00	0.00	0.00	1.25	2.28	
4230	0.70	0.48	0.00	0.00	0.00	0.00	1.20	2.38	0.88	0.49	0.00	0.00	0.00	1.66	3.03	
4235	0.06	0.04	0.00	0.00	0.00	0.00	0.10	0.20	0.07	0.04	0.00	0.00	0.00	0.14	0.25	
4240	2.39	1.86	3.29	0.92	1.71	0.26	4.27	14.70	2.98	1.89	4.33	1.21	2.71	0.41	5.93	19.46
4250	0.46	0.32	0.00	0.00	0.00	0.00	0.79	1.57	0.58	0.32	0.00	0.00	0.00	1.09	1.99	
4255	0.59	0.41	0.00	0.00	0.00	0.00	1.01	2.01	0.74	0.42	0.00	0.00	0.00	1.40	2.56	
4260	0.07	0.05	0.00	0.00	0.00	0.00	0.12	0.24	0.09	0.05	0.00	0.00	0.00	0.31	0.31	
4265	0.39	0.27	0.00	0.00	0.00	0.00	0.66	1.32	0.49	0.27	0.00	0.00	0.00	0.92	1.68	
4270	0.50	0.35	0.00	0.00	0.00	0.00	0.86	1.71	0.63	0.35	0.00	0.00	0.00	1.19	2.17	
4275	0.65	0.45	0.00	0.00	0.00	0.00	1.11	2.21	0.82	0.46	0.00	0.00	0.00	1.54	2.82	
4280	0.88	0.60	0.00	0.00	0.00	0.00	1.49	2.97	1.10	0.61	0.00	0.00	0.00	2.08	3.79	
4285	0.06	0.04	0.00	0.00	0.00	0.00	0.10	0.20	0.07	0.04	0.00	0.00	0.00	0.14	0.25	
4290	4.32	3.24	4.89	1.37	2.01	0.30	7.60	23.73	5.40	3.29	6.44	1.80	3.15	0.47	10.56	31.11
4300	0.66	0.45	0.00	0.00	0.00	0.00	1.13	2.24	0.83	0.46	0.00	0.00	0.00	1.56	2.85	
4305	0.07	0.05	0.00	0.00	0.00	0.00	0.12	0.24	0.09	0.05	0.00	0.00	0.00	0.17	0.31	
4310	0.43	0.30	0.00	0.00	0.00	0.00	0.74	1.47	0.54	0.30	0.00	0.00	0.00	1.02	1.86	
4315	0.58	0.40	0.00	0.00	0.00	0.00	0.98	1.96	0.72	0.40	0.00	0.00	0.00	1.36	2.48	
4320	0.80	0.55	0.00	0.00	0.00	0.00	1.36	2.71	1.00	0.56	0.00	0.00	0.00	1.89	3.45	
4325	1.04	0.71	0.00	0.00	0.00	0.00	1.76	3.51	1.30	0.72	0.00	0.00	0.00	2.45	4.47	
4330	0.06	0.04	0.00	0.00	0.00	0.00	0.10	0.20	0.07	0.04	0.00	0.00	0.00	0.14	0.25	
4335	7.38	5.69	4.89	1.37	4.94	0.74	13.14	38.15	9.22	5.78	6.44	1.80	7.81	1.17	18.25	50.47
4340	8.28	6.32	7.24	2.03	5.03	0.75	14.69	44.34	10.35	6.42	9.53	2.67	7.97	1.20	20.40	58.54
4345	8.30	6.53	7.24	2.03	6.95	1.04	14.91	47.00	10.37	6.64	9.53	2.67	11.08	1.66	20.71	62.66
4350	9.54	7.51	11.35	3.18	8.21	1.23	17.15	58.17	11.92	7.64	14.93	4.18	13.13	1.97	23.82	77.59
4355	9.28	7.00	7.24	2.03	4.94	0.74	16.38	47.61	11.60	7.11	9.53	2.67	7.81	1.17	22.75	62.64
4360	9.84	7.39	7.24	2.03	5.03	0.75	17.35	49.63	12.31	7.52	9.53	2.67	7.97	1.20	24.10	65.30
4365	11.00	8.39	11.35	3.18	6.95	1.04	19.51	61.42	13.75	8.53	14.93	4.18	11.08	1.66	27.10	81.23
4370	12.09	9.27	11.35	3.18	8.21	1.23	21.49	66.82	15.11	9.42	14.93	4.18	13.13	1.97	29.85	88.59
4380	0.64	0.44	0.00	0.00	0.00	0.00	1.09	2.17	0.80	0.45	0.00	0.00	0.00	1.51	2.76	
4385	0.85	0.59	0.00	0.00	0.00	0.00	1.45	2.89	1.06	0.60	0.00	0.00	0.00	2.01	3.67	
4390	1.14	0.78	0.00	0.00	0.00	0.00	1.94	3.86	1.42	0.80	0.00	0.00	0.00	2.69	4.91	
4395	1.30	0.89	0.00	0.00	0.00	0.00	2.20	4.39	1.62	0.91	0.00	0.00	0.00	3.06	5.59	
4405	2.47	1.38	1.65	0.63	0.00	0.00	5.02	11.15	3.09	1.40	2.17	0.82	0.00	0.00	6.79	14.27
4410	3.27	1.82	2.24	0.85	0.00	0.00	6.63	14.81	4.08	1.86	2.95	1.12	0.00	0.00	8.98	18.99

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPF	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4415	3.97	2.21	3.04	1.16	0.00	0.00	8.07	18.45	4.97	2.26	4.00	1.52	0.00	0.00	10.92	23.67
4420	5.70	3.18	4.43	1.68	0.00	0.00	11.57	26.56	7.12	3.24	5.84	2.22	0.00	0.00	15.67	34.09
4425	6.81	3.79	5.91	2.25	0.00	0.00	13.82	32.58	8.51	3.87	7.79	2.96	0.00	0.00	18.71	41.84
4435	2.91	1.62	2.74	1.04	0.00	0.00	5.90	14.21	3.63	1.65	3.62	1.37	0.00	0.00	7.99	18.26
4440	5.31	2.96	3.38	1.28	0.00	0.00	10.77	23.70	6.63	3.02	4.45	1.69	0.00	0.00	14.58	30.37
4445	6.67	3.71	4.65	1.77	0.00	0.00	13.53	30.33	8.33	3.79	6.12	2.32	0.00	0.00	18.32	38.88
4450	7.20	4.01	5.49	2.09	0.00	0.00	14.60	33.39	8.99	4.09	7.23	2.75	0.00	0.00	19.78	42.84
4455	10.98	6.12	8.02	3.05	0.00	0.00	22.29	50.46	13.73	6.24	10.57	4.02	0.00	0.00	30.18	64.74
4460	17.00	9.47	11.61	4.41	0.00	0.00	34.51	77.00	21.25	9.66	15.30	5.81	0.00	0.00	46.73	98.75
4470	4.42	2.46	3.67	1.40	0.00	0.00	8.97	20.92	5.52	2.51	4.84	1.84	0.00	0.00	12.14	26.85
4475	5.56	3.10	5.15	1.96	0.00	0.00	11.29	27.06	6.95	3.16	6.79	2.58	0.00	0.00	15.29	34.77
4480	7.31	4.07	6.33	2.41	0.00	0.00	14.84	34.96	9.14	4.16	8.34	3.17	0.00	0.00	20.10	44.91
4485	10.51	5.85	9.42	3.58	0.00	0.00	21.32	50.68	13.13	5.97	12.40	4.71	0.00	0.00	28.88	65.09
4495	3.57	1.99	2.74	1.04	0.00	0.00	7.24	16.58	4.46	2.03	3.62	1.37	0.00	0.00	9.81	21.29
4500	4.24	2.36	3.29	1.25	0.00	0.00	8.60	19.74	5.29	2.41	4.34	1.65	0.00	0.00	11.64	25.33
4505	6.66	5.71	5.49	2.09	0.00	0.00	13.53	31.48	8.33	3.79	7.23	2.75	0.00	0.00	18.32	40.42
4510	9.38	5.23	8.02	3.05	0.00	0.00	19.04	44.72	11.73	5.33	10.57	4.02	0.00	0.00	25.79	57.44
4520	2.54	1.41	1.77	0.67	0.00	0.00	5.15	11.54	3.17	1.44	2.34	0.89	0.00	0.00	6.98	14.82
4525	3.32	1.85	2.74	1.04	0.00	0.00	6.74	15.69	4.15	1.89	3.62	1.37	0.00	0.00	9.13	20.16
4535	3.01	1.68	2.66	1.01	0.00	0.00	6.10	14.46	3.76	1.71	3.50	1.33	0.00	0.00	8.27	16.57
4540	5.22	2.91	4.65	1.77	0.00	0.00	10.60	25.15	6.53	2.97	6.12	2.32	0.00	0.00	14.36	32.30
4545	6.34	3.53	5.70	2.17	0.00	0.00	12.87	30.61	7.93	3.61	7.51	2.85	0.00	0.00	17.43	39.33
4550	9.34	5.20	8.45	3.21	0.00	0.00	18.96	45.16	11.68	5.31	11.12	4.23	0.00	0.00	25.67	58.01
4555	18.20	10.14	14.78	5.62	0.00	0.00	36.94	85.68	22.75	10.35	19.47	7.40	0.00	0.00	50.02	109.99
4565	0.46	0.27	1.36	0.44	0.11	0.02	0.56	3.22	0.58	0.28	1.78	0.57	0.20	0.03	0.75	4.19
4570	0.58	0.34	0.51	0.20	0.11	0.02	0.69	2.45	0.72	0.34	0.67	0.27	0.20	0.03	0.93	3.16
4575	0.68	0.40	1.96	0.63	0.13	0.02	0.82	4.64	0.85	0.41	2.55	0.82	0.26	0.04	1.10	6.03
4580	0.82	0.48	0.74	0.30	0.13	0.02	0.98	3.47	1.02	0.48	0.98	0.39	0.26	0.04	1.31	4.48
4585	0.85	0.49	2.55	0.82	0.09	0.01	1.01	5.82	1.06	0.50	3.33	1.07	0.18	0.03	1.36	7.53
4590	0.81	0.47	2.55	0.82	0.09	0.01	0.97	5.72	1.02	0.47	3.33	1.07	0.18	0.03	1.30	7.40
4595	0.96	0.56	1.10	0.44	0.09	0.01	1.16	4.34	1.22	0.57	1.44	0.58	0.18	0.03	1.56	5.58
4600	0.87	0.50	2.72	0.87	0.09	0.01	1.04	6.10	1.09	0.51	3.55	1.14	0.18	0.03	1.39	7.89
4605	1.04	0.59	2.89	0.93	0.09	0.01	1.24	6.79	1.30	0.60	3.77	1.21	0.18	0.03	1.66	8.75
4610	1.13	0.64	1.41	0.56	0.09	0.01	1.34	5.18	1.41	0.65	1.85	0.74	0.18	0.03	1.80	6.66
4615	1.31	0.77	1.64	0.66	0.28	0.04	1.57	6.27	1.64	0.78	2.16	0.87	0.53	0.08	2.11	8.17
4620	1.41	0.82	2.11	0.85	0.28	0.04	1.69	7.20	1.76	0.84	2.78	1.11	0.53	0.08	2.27	9.37
4625	2.39	1.46	3.05	1.22	0.96	0.14	2.91	12.13	2.99	1.49	4.02	1.61	1.83	0.27	3.90	16.11
4635	3.63	2.11	3.25	1.30	0.67	0.10	4.35	15.41	4.53	2.15	4.27	1.71	1.28	0.19	5.82	19.95
4640	4.38	2.54	4.03	1.61	0.70	0.11	5.25	18.62	5.48	2.59	5.30	2.12	1.35	0.20	7.03	24.07
4645	6.22	3.60	5.17	2.07	1.03	0.15	7.44	25.68	7.77	3.68	6.80	2.72	1.97	0.30	9.97	33.21
4650	8.11	4.78	7.24	2.90	1.95	0.29	9.76	35.03	10.14	4.88	9.53	3.81	3.73	0.56	13.07	45.72
4660	3.11	1.89	2.54	1.02	1.17	0.18	3.78	13.69	3.89	1.93	3.35	1.34	2.23	0.33	5.07	18.14
4665	4.31	2.52	3.13	1.25	0.84	0.13	5.17	17.35	5.39	2.57	4.12	1.65	1.60	0.24	6.93	22.50
4670	4.86	2.85	3.91	1.57	1.03	0.15	5.83	20.20	6.07	2.90	5.15	2.06	1.97	0.30	7.81	26.26
4675	7.31	4.46	5.09	2.04	2.86	0.43	8.89	31.08	9.14	4.55	6.69	2.68	5.46	0.82	11.90	41.24
4680	9.50	5.95	6.65	2.66	4.81	0.72	11.65	41.94	11.88	6.07	8.75	3.50	9.19	1.38	15.60	56.37
4685	11.77	7.54	10.18	3.05	5.20	0.78	13.14	51.66	14.13	7.65	13.39	4.02	9.93	1.49	16.90	67.51
4690	16.74	11.15	14.68	4.40	7.85	1.18	18.88	74.88	20.09	11.32	19.31	5.79	14.99	2.25	24.27	98.02
4695	33.80	23.06	27.01	8.10	19.19	2.88	38.35	152.39	40.56	23.42	35.53	10.66	36.64	5.50	49.31	201.62
4705	3.57	2.15	3.21	1.28	1.17	0.18	4.32	15.88	4.47	2.19	4.22	1.69	2.23	0.33	5.79	20.92
4710	4.34	2.53	4.19	1.68	0.84	0.13	5.21	18.92	5.43	2.58	5.51	2.20	1.60	0.24	6.98	24.54
4715	4.90	2.87	4.74	1.89	1.03	0.15	5.89	21.47	6.13	2.93	6.23	2.49	1.97	0.30	7.89	27.94
4720	7.26	4.33	6.03	2.41	2.14	0.32	8.77	31.26	9.07	4.42	7.93	3.17	4.08	0.61	11.74	41.02
4725	9.55	5.81	8.22	3.29	3.60	0.54	11.60	42.61	11.94	5.93	10.81	4.33	6.87	1.03	15.54	56.45
4730	11.35	7.29	10.69	3.21	5.20	0.78	12.68	51.20	13.62	7.40	14.06	4.22	9.93	1.49	16.31	67.03

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPP	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPP	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
4735	15.56	10.05	14.09	4.23	5.47	0.82	17.41	67.63	18.67	10.21	18.54	5.56	10.44	1.57	22.39	87.38
4740	29.17	19.39	23.95	7.19	13.50	2.02	32.88	128.10	35.01	19.69	31.52	9.46	25.77	3.86	42.27	167.58
4750	3.24	1.90	3.13	1.25	0.70	0.11	3.90	14.23	4.05	1.94	4.12	1.65	1.35	0.20	5.22	18.53
4755	4.12	2.39	3.99	1.60	0.70	0.11	4.93	17.84	5.15	2.44	5.25	2.10	1.35	0.20	6.61	23.10
4760	4.63	2.72	4.23	1.69	1.03	0.15	5.56	20.01	5.78	2.77	5.56	2.22	1.97	0.30	7.45	26.05
4765	5.95	3.60	5.91	2.36	2.14	0.32	7.22	27.50	7.43	3.68	7.78	3.11	4.08	0.61	9.66	36.35
4770	9.23	5.63	8.42	3.37	3.60	0.54	11.22	42.01	11.53	5.74	11.07	4.43	6.87	1.03	15.03	55.70
4775	13.54	8.87	13.11	3.93	5.47	0.82	15.20	60.94	16.25	9.00	17.25	5.18	10.44	1.57	19.55	79.24
4785	2.93	1.77	3.13	1.25	1.03	0.15	3.55	13.81	3.66	1.81	4.12	1.65	1.97	0.30	4.76	18.27
4790	3.59	2.17	3.91	1.57	1.25	0.19	4.35	17.03	4.48	2.21	5.15	2.06	2.39	0.36	5.82	22.47
4795	4.35	2.57	4.70	1.88	1.09	0.16	5.23	19.98	5.43	2.62	6.18	2.47	2.08	0.31	7.01	26.10
4800	6.17	3.83	6.07	2.43	2.86	0.43	7.55	29.34	7.72	3.91	7.98	3.19	5.46	0.82	10.11	39.19
4805	8.63	5.27	7.40	2.96	3.43	0.51	10.49	38.69	10.78	5.38	9.73	3.89	6.54	0.98	14.06	51.36
4810	11.10	7.14	10.96	3.29	5.20	0.78	12.41	50.88	13.32	7.25	14.42	4.33	9.93	1.49	15.95	66.69
4815	15.91	10.26	16.24	4.87	5.47	0.82	17.80	71.37	19.09	10.42	21.37	6.41	10.44	1.57	22.88	92.18
4820	31.77	21.05	23.09	6.93	14.29	2.14	35.77	135.04	38.12	21.37	30.38	9.12	27.29	4.09	45.99	176.36
4830	6.17	3.83	6.26	2.50	2.86	0.43	7.54	29.59	7.72	3.90	8.24	3.30	5.46	0.82	10.10	39.54
4835	8.36	5.49	9.04	2.71	4.81	0.72	9.39	40.52	10.04	5.57	11.90	3.57	9.19	1.38	12.08	53.73
4840	11.22	7.21	12.02	3.60	5.20	0.78	12.54	52.57	13.47	7.32	15.81	4.74	9.93	1.49	16.13	68.89
4845	16.20	10.43	15.19	4.56	5.47	0.82	18.11	70.78	19.44	10.59	19.98	5.99	10.44	1.57	23.29	91.30
4850	22.22	14.54	16.99	5.10	8.88	1.33	24.95	94.01	26.67	14.76	22.35	6.71	16.95	2.54	32.07	122.05
4860	4.02	2.35	3.33	1.33	0.84	0.13	4.83	16.83	5.03	2.40	4.38	1.75	1.60	0.24	6.47	21.87
4865	4.61	2.71	9.96	3.19	1.03	0.15	5.54	27.19	5.76	2.76	12.98	4.15	1.97	0.30	7.42	35.34
4870	6.20	3.85	5.64	2.25	2.86	0.43	7.58	28.81	7.76	3.92	7.42	2.97	5.46	0.82	10.15	38.50
4875	7.92	4.82	7.12	2.85	2.98	0.45	9.63	35.77	9.91	4.92	9.37	3.75	5.69	0.85	12.89	47.38
4880	8.13	5.18	8.42	3.37	4.81	0.72	10.02	40.65	10.16	5.29	11.07	4.43	9.19	1.38	13.43	54.95
4885	11.22	7.21	11.15	3.35	5.20	0.78	12.54	51.45	13.46	7.32	14.68	4.40	9.93	1.49	16.12	67.40
4890	14.87	9.65	15.66	4.70	5.47	0.82	16.66	67.83	17.84	9.80	20.60	6.18	10.44	1.57	21.42	87.85
4900	2.56	1.65	2.15	0.60	0.21	0.03	3.80	11.00	3.20	1.68	2.83	0.79	0.29	0.04	5.05	13.88
4905	3.70	2.40	3.13	0.88	0.37	0.06	5.52	16.06	4.63	2.44	4.12	1.15	0.51	0.08	7.33	20.26
4915	2.45	1.61	2.43	0.68	0.36	0.05	3.67	11.25	3.07	1.64	3.19	0.89	0.51	0.08	4.87	14.25
4920	3.76	2.47	3.13	0.88	0.53	0.08	5.63	16.48	4.71	2.51	4.12	1.15	0.74	0.11	7.48	20.82
4930	3.15	1.75	1.65	0.63	0.00	0.00	6.39	13.57	3.93	1.79	2.17	0.82	0.00	0.00	8.65	17.36
4935	4.26	2.37	2.24	0.85	0.00	0.00	8.64	18.36	5.32	2.42	2.95	1.12	0.00	0.00	11.70	23.51
4945	3.93	2.19	2.74	1.04	0.00	0.00	7.98	17.88	4.92	2.24	3.62	1.37	0.00	0.00	10.81	22.96
4955	1.21	0.52	0.00	0.12	0.00	0.00	2.06	3.91								
4960	1.14	0.49	0.00	0.12	0.00	0.00	1.95	3.70								
4970	1.30	0.56	0.00	0.22	0.00	0.00	2.22	4.30								
4975	1.97	0.85	0.00	0.30	0.00	0.00	3.35	6.47								
4985	1.54	0.66	0.00	0.24	0.00	0.00	2.62	5.06								
4990	2.09	0.90	0.00	0.44	0.00	0.00	3.56	6.99								
4995	2.48	1.07	0.00	0.70	0.00	0.00	4.21	8.46								
5005	3.38	1.46	0.00	0.06	0.00	0.00	5.75	10.65								
5010	3.51	1.51	0.00	0.06	0.00	0.00	5.97	11.05								
5015	6.05	2.60	0.00	0.06	0.00	0.00	10.29	19.00								
5020	6.44	2.77	0.00	0.06	0.00	0.00	10.95	20.22								
5030	3.38	1.46	0.00	0.38	0.00	0.00	5.75	10.97								
5035	3.88	1.67	0.00	0.44	0.00	0.00	6.59	12.58								
5040	4.49	1.93	0.00	0.53	0.00	0.00	7.63	14.58								
5045	4.92	2.12	0.00	0.65	0.00	0.00	8.36	16.05								
5050	5.54	2.38	0.00	0.57	0.00	0.00	9.42	17.91								
5055	6.58	2.83	0.00	0.84	0.00	0.00	11.18	21.43								
5060	7.71	3.32	0.00	0.84	0.00	0.00	13.11	24.98								
5065	9.11	3.92	0.00	1.02	0.00	0.00	15.50	29.55								
5070	15.14	6.52	0.00	1.12	0.00	0.00	25.75	48.53								

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
5080	2.49	1.07	0.00	0.44	0.00	0.00	4.23	8.23							
5085	2.97	1.28	0.00	0.58	0.00	0.00	5.05	9.88							
5090	4.03	1.73	0.00	0.58	0.00	0.00	6.85	13.19							
5095	1.02	0.44	0.00	0.22	0.00	0.00	1.74	3.42							
5100	1.29	0.56	0.00	0.30	0.00	0.00	2.19	4.34							
5105	1.67	0.72	0.00	0.38	0.00	0.00	2.84	5.61							
5115	4.32	1.86	0.00	0.60	0.00	0.00	7.35	14.13							
5120	4.93	2.12	0.00	0.70	0.00	0.00	8.39	16.14							
5125	5.31	2.28	0.00	0.84	0.00	0.00	9.03	17.46							
5130	6.40	2.75	0.00	0.98	0.00	0.00	10.88	21.01							
5135	8.03	3.46	0.00	1.02	0.00	0.00	13.65	26.16							
5140	11.48	4.94	0.00	1.21	0.00	0.00	19.52	37.15							
5150	5.96	2.57	2.31	0.65	0.00	0.00	10.14	21.63							
5155	11.65	5.01	6.11	1.71	0.00	0.00	19.81	44.29							
5160	15.83	6.81	11.55	3.23	0.00	0.00	26.92	64.34							
5170	5.86	4.37	2.27	0.73	0.00	0.00	8.10	21.33	7.03	4.42	2.92	0.93	0.00	0.00	11.02
5175	9.31	6.93	4.33	1.38	0.00	0.00	12.87	34.82	11.17	7.02	5.56	1.78	0.00	0.00	17.50
5180	10.65	7.94	4.33	1.38	0.00	0.00	14.73	39.03	12.79	8.03	5.56	1.78	0.00	0.00	20.03
5185	13.46	10.02	6.49	2.08	0.00	0.00	18.60	50.65	16.15	10.14	8.34	2.67	0.00	0.00	25.30
5190	18.78	13.99	8.87	2.84	0.00	0.00	25.96	70.44	22.54	14.16	11.40	3.65	0.00	0.00	35.31
5200	1.08	0.43	0.00	0.14	0.00	0.00	1.45	3.10							
5205	0.40	0.16	0.00	0.09	0.00	0.00	0.53	1.18							
5210	1.60	0.64	0.00	0.28	0.00	0.00	2.14	4.66							
5215	0.69	0.28	0.00	0.05	0.00	0.00	0.93	1.95							
5225	0.47	0.23	1.17	0.38	0.00	0.00	0.56	2.81							
5230	0.59	0.29	1.76	0.56	0.00	0.00	0.70	3.90							
5240	0.03	0.02	0.23	0.08	0.00	0.00	0.04	0.40							
5245	0.04	0.02	0.35	0.11	0.00	0.00	0.05	0.57							
5250	0.07	0.04	0.94	0.30	0.00	0.00	0.09	1.44							
5260	0.62	0.30	5.05	1.62	0.00	0.00	0.74	8.33							
5265	0.36	0.18	1.64	0.62	0.00	0.00	0.43	3.23							
5270	0.82	0.40	9.27	2.97	0.00	0.00	0.98	14.44							
5275	1.19	0.58	3.28	1.24	0.00	0.00	1.41	7.70							
5280	1.52	0.74	3.82	1.45	0.00	0.00	1.81	9.34							
5285	1.62	0.79	3.71	1.41	0.00	0.00	1.92	9.45							
5295	0.06	0.03	0.59	0.19	0.00	0.00	0.07	0.94							
5300	0.09	0.04	0.94	0.30	0.00	0.00	0.10	1.47							
5305	0.18	0.09	1.88	0.60	0.00	0.00	0.21	2.96							
5315	0.08	0.04	0.35	0.11	0.00	0.00	0.09	0.67							
5320	0.09	0.04	0.35	0.11	0.00	0.00	0.10	0.69							
5330	0.10	0.05	0.06	0.03	0.00	0.00	0.06	0.30							
5335	0.12	0.06	0.13	0.06	0.00	0.00	0.07	0.44							
5345	3.63	1.47	0.00	0.07	0.00	0.00	4.53	9.70	4.83	1.53	0.00	0.07	0.00	0.00	6.80
5350	0.29	0.12	0.00	0.00	0.00	0.00	0.36	0.77	0.38	0.12	0.00	0.00	0.00	0.00	1.04
5355	2.11	0.86	0.00	0.07	0.00	0.00	2.64	5.68	2.81	0.89	0.00	0.07	0.00	0.00	3.96
5360	0.21	0.08	0.00	0.00	0.00	0.00	0.26	0.55	0.28	0.09	0.00	0.00	0.00	0.00	0.76
5365	1.73	0.70	0.00	0.07	0.00	0.00	2.17	4.67	2.31	0.73	0.00	0.07	0.00	0.00	3.25
5370	0.12	0.05	0.00	0.00	0.00	0.00	0.16	0.33	0.17	0.05	0.00	0.00	0.00	0.00	0.45
5375	0.79	0.32	0.00	0.07	0.00	0.00	0.99	2.17	1.06	0.33	0.00	0.07	0.00	0.00	1.49
5380	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.10
5385	1.82	0.74	0.00	0.07	0.00	0.00	2.28	4.91	2.43	0.77	0.00	0.07	0.00	0.00	3.42
5390	0.16	0.07	0.00	0.00	0.00	0.00	0.21	0.44	0.22	0.07	0.00	0.00	0.00	0.00	0.60
5395	1.32	0.54	0.00	0.07	0.00	0.00	1.66	3.59	1.77	0.56	0.00	0.07	0.00	0.00	2.48
5400	0.12	0.05	0.00	0.00	0.00	0.00	0.15	0.32	0.16	0.05	0.00	0.00	0.00	0.00	0.43
5405	0.74	0.30	0.00	0.07	0.00	0.00	0.93	2.04	0.99	0.31	0.00	0.07	0.00	0.00	1.39
															2.76

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
5410	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.03	0.01	0.00	0.00	0.00	0.00	0.05	0.09
5415	2.06	0.84	0.00	0.07	0.00	0.00	2.57	5.54	2.74	0.87	0.00	0.07	0.00	0.00	3.86	7.54
5420	0.16	0.07	0.00	0.00	0.00	0.00	0.21	0.44	0.22	0.07	0.00	0.00	0.00	0.00	0.31	0.60
5425	1.99	0.81	0.00	0.07	0.00	0.00	2.49	5.36	2.66	0.84	0.00	0.07	0.00	0.00	3.74	7.31
5430	0.38	0.16	0.00	0.00	0.00	0.00	0.48	1.02	0.51	0.16	0.00	0.00	0.00	0.00	0.72	1.39
5435	1.82	0.74	0.00	0.07	0.00	0.00	2.28	4.91	2.43	0.77	0.00	0.07	0.00	0.00	3.42	6.69
5440	0.16	0.07	0.00	0.00	0.00	0.00	0.21	0.44	0.22	0.07	0.00	0.00	0.00	0.00	0.31	0.60
5445	0.62	0.31	0.00	0.07	0.00	0.00	0.77	1.77	0.77	0.31	0.00	0.07	0.00	0.00	1.09	2.24
5455	4.40	1.79	0.00	0.07	0.00	0.00	5.50	11.76	5.87	1.86	0.00	0.07	0.00	0.00	8.25	16.05
5460	0.32	0.13	0.00	0.00	0.00	0.00	0.40	0.85	0.43	0.14	0.00	0.00	0.00	0.00	0.61	1.18
5465	4.68	1.90	0.00	0.07	0.00	0.00	5.85	12.50	6.24	1.97	0.00	0.07	0.00	0.00	8.78	17.06
5470	3.76	1.53	0.00	0.07	0.00	0.00	4.70	10.06	5.01	1.58	0.00	0.07	0.00	0.00	7.05	13.71
5475	0.29	0.12	0.00	0.00	0.00	0.00	0.36	0.77	0.39	0.12	0.00	0.00	0.00	0.00	0.55	1.06
5480	3.51	1.43	0.00	0.07	0.00	0.00	4.39	9.40	4.68	1.48	0.00	0.07	0.00	0.00	6.58	12.81
5485	2.44	0.99	0.00	0.07	0.00	0.00	3.05	6.55	3.25	1.03	0.00	0.07	0.00	0.00	4.57	8.92
5490	0.16	0.07	0.00	0.00	0.00	0.00	0.20	0.43	0.22	0.07	0.00	0.00	0.00	0.00	0.31	0.60
5495	2.36	0.96	0.00	0.07	0.00	0.00	2.96	6.35	3.15	1.00	0.00	0.07	0.00	0.00	4.43	8.65
5500	1.41	0.57	0.00	0.07	0.00	0.00	1.77	3.82	1.88	0.60	0.00	0.07	0.00	0.00	2.65	5.20
5505	0.08	0.03	0.00	0.00	0.00	0.00	0.11	0.22	0.11	0.04	0.00	0.00	0.00	0.00	0.16	0.31
5510	0.88	0.36	0.00	0.07	0.00	0.00	1.10	2.41	1.18	0.37	0.00	0.07	0.00	0.00	1.66	3.28
5515	0.04	0.02	0.00	0.00	0.00	0.00	0.05	0.11	0.06	0.02	0.00	0.00	0.00	0.00	0.08	0.16
5520	0.54	0.22	0.00	0.07	0.00	0.00	0.68	1.51	0.73	0.23	0.00	0.07	0.00	0.00	1.02	2.05
5525	0.02	0.01	0.00	0.00	0.00	0.00	0.03	0.06	0.03	0.01	0.00	0.00	0.00	0.00	0.04	0.08
5530	0.24	0.10	0.00	0.07	0.00	0.00	0.30	0.71	0.32	0.10	0.00	0.07	0.00	0.00	0.45	0.94
5535	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05
5545	4.95	2.01	0.00	0.05	0.00	0.00	6.19	13.20	6.60	2.09	0.00	0.05	0.00	0.00	9.29	18.03
5550	4.04	1.64	0.00	0.05	0.00	0.00	5.05	10.78	5.39	1.70	0.00	0.05	0.00	0.00	7.58	14.72
5555	2.61	1.06	0.00	0.05	0.00	0.00	3.27	6.99	3.48	1.10	0.00	0.05	0.00	0.00	4.90	9.53
5560	2.46	1.00	0.00	0.05	0.00	0.00	3.07	6.58	3.28	1.04	0.00	0.05	0.00	0.00	4.61	8.98
5570	2.19	1.23	3.33	0.80	0.21	0.03	2.78	10.57								
5575	2.35	1.32	3.33	0.80	0.21	0.03	2.98	11.02								
5580	3.10	1.73	3.33	0.80	0.26	0.04	3.94	13.20								
5585	4.75	2.91	4.89	1.17	1.65	0.25	6.19	21.81								
5595	1.97	1.11	2.97	0.71	0.21	0.03	2.51	9.51								
5600	2.13	1.20	2.97	0.71	0.21	0.03	2.71	9.96								
5605	2.19	1.23	3.05	0.73	0.21	0.03	2.78	10.22								
5610	2.09	1.18	9.11	2.19	0.26	0.04	2.66	17.53								
5615	2.33	1.31	2.97	0.71	0.26	0.04	2.96	10.58								
5620	2.16	1.23	9.11	2.19	0.30	0.05	2.76	17.80								
5625	2.41	1.37	2.97	0.71	0.30	0.05	3.07	10.88								
5630	5.24	2.99	4.58	1.10	0.76	0.11	6.69	21.47								
5640	2.20	1.23	2.66	0.64	0.21	0.03	2.79	9.76								
5645	2.59	1.53	2.66	0.64	0.60	0.09	3.34	11.45								
5650	5.49	3.12	5.09	1.22	0.73	0.11	7.00	22.76								
5655	6.62	3.80	5.09	1.22	1.06	0.16	8.47	26.42								
5665	2.26	2.04	0.00	0.05	2.22	0.33	3.37	10.27								
5670	3.05	2.37	0.00	0.05	2.73	0.41	4.30	12.91								
5680	2.71	2.59	0.00	0.09	3.05	0.46	4.13	13.03								
5685	2.81	2.30	0.00	0.09	2.11	0.32	4.03	11.66								
5690	4.62	3.63	0.00	0.09	3.05	0.46	6.54	18.39								
5700	0.47	0.32	0.00	0.05	0.24	0.04	0.63	1.75								
5710	0.83	0.45	0.00	0.11	0.00	0.00	1.04	2.43								
5715	1.05	0.57	0.00	0.11	0.00	0.00	1.33	3.06								
5720	1.09	0.59	0.00	0.11	0.00	0.00	1.37	3.16								
5725	1.64	0.89	0.00	0.11	0.00	0.00	2.06	4.70								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE REF.	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE REF.	
5730	2.50	1.35	0.00	0.11	0.00	0.00	3.14	7.10							
5735	3.69	1.99	0.00	0.11	0.00	0.00	4.65	10.42							
5740	2.47	1.33	0.00	0.12	0.00	0.00	3.10	7.02							
5745	2.86	1.55	0.00	0.11	0.00	0.00	3.60	8.12							
5750	4.34	2.35	0.00	0.11	0.00	0.00	5.45	12.25							
5760	0.37	0.20	0.00	0.12	0.00	0.00	0.46	1.15							
5765	0.74	0.40	0.00	0.12	0.00	0.00	0.93	2.19							
5775	9.98	5.40	6.65	1.60	0.00	0.00	12.55	36.18							
5780	15.20	8.22	12.13	2.91	0.00	0.00	19.10	57.56							
5785	16.00	8.65	12.13	2.91	0.00	0.00	20.12	59.81							
5795	16.69	9.03	12.92	3.10	0.00	0.00	20.99	62.73							
5805	1.64	0.88	1.53	0.37	0.00	0.00	2.06	6.48							
5810	1.98	1.07	1.53	0.37	0.00	0.00	2.49	7.44							
5815	2.73	1.48	3.33	0.80	0.00	0.00	3.43	11.77							
5820	2.95	1.60	3.33	0.80	0.00	0.00	3.71	12.39							
5825	3.18	1.72	3.33	0.80	0.00	0.00	4.00	13.03							
5830	3.50	1.89	3.33	0.80	0.00	0.00	4.40	13.92							
5840	3.54	1.91	9.11	2.19	0.00	0.00	4.44	21.19							
5845	3.78	2.04	3.33	0.80	0.00	0.00	4.75	14.70							
5850	3.76	2.03	9.11	2.19	0.00	0.00	4.72	21.81							
5855	4.00	2.16	3.33	0.80	0.00	0.00	5.03	15.32							
5860	1.66	0.90	4.60	1.10	0.00	0.00	2.09	10.35							
5865	2.36	1.28	9.11	2.19	0.00	0.00	2.97	17.91							
5870	2.61	1.41	2.97	0.71	0.00	0.00	3.28	10.98							
5875	2.87	1.55	9.11	2.19	0.00	0.00	3.61	19.33							
5880	3.11	1.68	2.97	0.71	0.00	0.00	3.92	12.39							
5885	3.14	1.70	9.11	2.19	0.00	0.00	3.95	20.09							
5890	3.39	1.83	2.97	0.71	0.00	0.00	4.26	13.16							
5900	1.06	0.47	2.11	0.51	0.00	0.00	1.67	5.82							
5905	1.29	0.57	2.11	0.51	0.00	0.00	2.03	6.51							
5910	2.68	1.18	2.35	0.56	0.00	0.00	4.21	10.98							
5915	2.91	1.28	2.35	0.56	0.00	0.00	4.57	11.67							
5920	4.16	1.84	5.19	1.24	0.00	0.00	6.53	18.96							
5925	4.34	1.92	5.19	1.24	0.00	0.00	6.82	19.51							
5935	3.06	1.35	2.67	0.64	0.00	0.00	4.81	12.53							
5940	3.34	1.47	2.67	0.64	0.00	0.00	5.24	13.36							
5945	5.01	2.21	4.20	1.01	0.00	0.00	7.87	20.30							
5950	5.45	2.41	4.20	1.01	0.00	0.00	8.57	21.64							
5960	2.59	1.14	1.97	0.47	0.00	0.00	4.07	10.24							
5965	3.09	1.36	2.13	0.51	0.00	0.00	4.85	11.94							
5975	1.57	0.69	1.64	0.39	0.00	0.00	2.47	6.76							
5980	1.43	0.63	1.64	0.39	0.00	0.00	2.25	6.34							
5990	6.22	2.75	4.09	0.98	0.00	0.00	9.78	23.82							
5995	4.75	2.10	2.73	0.66	0.00	0.00	7.46	17.70							
6005	1.93	0.85	1.97	0.47	0.00	0.00	3.03	8.25							
6010	3.84	1.69	3.28	0.79	0.00	0.00	6.03	15.63							
6015	5.21	2.30	4.91	1.18	0.00	0.00	8.19	21.79							
6025	4.62	2.07	3.99	0.96	0.14	0.02	7.29	19.09							
6030	5.12	2.31	3.99	0.96	0.25	0.04	8.09	20.76							
6035	5.78	2.59	3.99	0.96	0.21	0.03	9.12	22.68							
6040	6.82	3.11	6.82	1.64	0.52	0.08	10.81	29.80							
6045	5.39	2.49	6.82	1.64	0.56	0.08	8.58	25.56							
6050	5.73	2.64	6.82	1.64	0.56	0.08	9.11	26.58							
6055	6.57	3.01	6.82	1.64	0.56	0.08	10.43	29.11							
6060	6.04	2.78	6.82	1.64	0.56	0.08	9.60	27.52							

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPF	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPF	REPR	TOTAL RATE
6065	7.52	3.43	6.82	1.64	0.56	0.08	11.92	31.97								
6075	6.24	2.75	6.82	1.64	0.00	0.00	9.80	27.25								
6080	5.39	2.48	4.64	1.11	0.52	0.08	8.56	22.76								
6085	5.88	2.70	6.55	1.57	0.56	0.08	9.34	26.68								
6090	6.76	3.09	6.55	1.57	0.56	0.08	10.73	29.34								
6100	6.77	3.10	6.28	1.51	0.56	0.08	10.75	29.05								
6105	10.68	4.85	11.46	2.75	0.69	0.10	16.92	47.45								
6115	4.54	2.02	3.82	0.92	0.11	0.02	7.15	18.58								
6120	4.58	2.06	3.82	0.92	0.22	0.03	7.24	18.87								
6125	6.24	2.78	4.37	1.05	0.12	0.02	9.82	24.40								
6130	5.28	2.37	4.37	1.05	0.22	0.03	8.34	21.66								
6135	4.96	2.23	3.82	0.92	0.20	0.03	7.83	19.99								
6140	5.69	2.62	4.80	1.15	0.56	0.08	9.05	23.95								
6145	6.70	3.06	4.80	1.15	0.52	0.08	10.63	26.94								
6150	6.76	3.09	4.80	1.15	0.56	0.08	10.73	27.17								
6155	7.55	3.43	6.50	1.56	0.51	0.08	11.96	31.59								
6160	6.48	2.97	6.82	1.64	0.56	0.08	10.30	28.85								
6165	7.73	3.82	6.50	1.56	2.09	0.31	12.55	34.56								
6170	6.62	3.33	6.50	1.56	2.09	0.31	10.80	31.21								
6175	6.62	3.16	6.82	1.64	1.21	0.18	10.64	30.27								
6185	4.53	2.04	3.71	0.89	0.20	0.03	7.16	18.56								
6190	3.98	1.79	3.71	0.89	0.14	0.02	6.29	16.82								
6195	4.84	2.17	4.37	1.05	0.14	0.02	7.64	20.23								
6200	5.31	2.38	4.09	0.98	0.20	0.03	8.38	21.37								
6205	5.33	2.38	4.37	1.05	0.14	0.02	8.40	21.69								
6210	6.82	3.12	6.00	1.44	0.56	0.08	10.83	28.85								
6215	5.65	2.60	5.84	1.40	0.56	0.08	8.98	25.11								
6220	6.12	2.81	5.84	1.40	0.56	0.08	9.72	26.53								
6225	7.85	3.57	6.00	1.44	0.56	0.08	12.44	31.94								
6235	0.83	0.37	0.87	0.21	0.00	0.00	1.31	3.59								
6240	2.41	1.06	1.86	0.45	0.00	0.00	3.78	9.56								
6245	5.41	2.39	3.88	0.93	0.00	0.00	8.51	21.12								
6250	6.96	3.07	6.82	1.54	0.00	0.00	10.93	29.42								
6255	8.74	3.86	8.46	2.03	0.00	0.00	13.74	36.83								
6260	10.05	4.44	9.88	2.37	0.00	0.00	15.79	42.53								
6265	11.39	5.03	12.28	2.95	0.00	0.00	17.89	49.54								
6275	0.85	0.38	0.87	0.21	0.00	0.00	1.34	3.65								
6280	2.05	0.90	1.91	0.46	0.00	0.00	3.21	8.53								
6285	5.36	2.37	3.82	0.92	0.00	0.00	8.42	20.89								
6290	7.40	3.27	6.28	1.51	0.00	0.00	11.62	30.08								
6295	8.57	3.79	6.50	1.56	0.00	0.00	13.47	33.89								
6305	0.84	0.37	0.76	0.18	0.00	0.00	1.32	3.47								
6310	4.24	1.87	2.84	0.68	0.00	0.00	6.66	16.29								
6315	6.43	2.84	4.37	1.05	0.00	0.00	10.11	24.80								
6320	8.65	3.82	8.52	2.04	0.00	0.00	13.60	36.63								
6325	12.90	5.70	14.30	3.43	0.00	0.00	20.28	56.61								
6335	7.03	4.59	6.03	2.05	4.94	0.74	9.22	34.60	8.79	4.68	7.88	2.68	8.20	1.23	12.29	45.75
6340	15.03	8.90	11.90	3.21	11.67	1.75	14.50	66.96	18.78	9.10	15.64	4.22	19.38	2.91	19.63	89.66
6345	15.56	10.25	13.26	3.18	11.67	1.75	17.73	73.40	19.45	10.46	17.33	4.16	19.38	2.91	23.87	97.56
6350	19.26	10.37	17.15	4.29	8.99	1.35	19.65	81.06	24.07	10.61	22.25	5.56	15.61	2.34	26.45	106.89
6355	20.54	11.01	17.15	4.29	8.99	1.35	20.93	84.26	25.68	11.26	22.25	5.56	15.61	2.34	28.18	110.88
6360	24.50	13.38	16.22	4.38	10.08	1.51	23.15	93.22	30.62	13.68	21.32	5.76	16.74	2.51	31.35	121.98
6365	25.99	15.80	18.08	4.34	10.08	1.51	28.87	104.67	32.48	16.12	23.64	5.67	16.74	2.51	38.87	136.03
6370	30.72	16.45	26.87	6.72	13.37	2.01	31.30	127.44	38.40	16.83	34.86	8.71	23.22	3.48	42.14	167.64
6375	32.14	17.15	26.87	6.72	13.37	2.01	32.72	130.98	40.17	17.54	34.86	8.71	23.22	3.48	44.04	172.02

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	REPR	TOTAL RATE
6380	30.58	16.66	19.83	5.35	12.31	1.85	28.88	115.46	38.22	17.04	26.06	7.04	20.44	3.07	39.11	150.98
6385	31.96	17.35	19.83	5.35	12.31	1.85	30.16	118.81	39.95	17.74	26.06	7.04	20.44	3.07	40.84	155.14
6390	40.14	21.39	36.20	9.05	16.32	2.45	40.86	166.41	50.18	21.88	46.97	11.74	28.35	4.25	55.00	218.37
6400	6.26	3.83	6.43	2.19	2.65	0.40	8.04	29.80	7.82	3.91	8.40	2.86	4.40	0.66	10.72	38.77
6405	7.17	4.38	6.99	2.38	2.93	0.44	9.20	33.49	8.96	4.47	9.14	3.11	4.87	0.73	12.27	43.55
6410	9.25	5.73	9.32	2.24	4.37	0.66	10.34	41.91	11.56	5.85	12.19	2.92	7.26	1.09	13.92	54.79
6415	14.06	7.53	10.67	2.67	6.08	0.91	14.33	56.25	17.58	7.70	13.84	3.46	10.55	1.58	19.29	74.00
6420	15.72	9.59	13.02	3.12	6.35	0.95	17.49	66.24	19.65	9.79	17.02	4.08	10.54	1.58	23.54	86.20
6430	10.20	6.26	9.20	2.21	4.37	0.66	11.36	44.26	12.74	6.38	12.03	2.89	7.26	1.09	15.29	57.68
6435	14.89	8.15	11.72	3.16	6.29	0.94	14.08	59.23	18.61	8.34	15.40	4.16	10.45	1.57	19.07	77.60
6440	15.81	9.58	13.06	3.13	5.89	0.88	17.55	65.90	19.77	9.77	17.07	4.10	9.79	1.47	23.63	85.60
6445	18.21	9.85	18.90	4.73	8.99	1.35	18.60	80.63	22.76	10.08	24.52	6.13	15.61	2.34	25.04	106.48
6450	21.96	11.65	18.90	4.73	8.42	1.26	22.33	89.25	27.45	11.92	24.52	6.13	14.62	2.19	30.06	116.89
6460	7.41	4.49	6.75	2.29	2.79	0.42	9.49	33.64	9.26	4.58	8.83	3.00	4.64	0.70	12.66	43.67
6465	15.77	8.65	11.75	3.17	6.78	1.02	14.92	62.06	19.71	8.84	15.45	4.17	11.25	1.69	20.20	81.31
6470	18.80	10.14	19.47	4.87	8.99	1.35	19.19	82.81	23.50	10.38	25.26	6.32	15.61	2.34	25.83	109.24
6475	16.36	10.01	13.10	3.14	6.78	1.02	18.21	68.62	20.45	10.21	17.12	4.11	11.25	1.69	24.52	89.35
6480	21.21	11.40	19.47	4.87	9.68	1.45	21.63	89.71	26.51	11.66	25.26	6.32	16.81	2.52	29.12	118.20
6490	7.84	4.73	7.03	2.39	2.79	0.42	10.03	35.23	9.81	4.83	9.19	3.13	4.64	0.70	13.38	45.68
6495	10.37	6.36	10.04	2.41	4.37	0.66	11.56	45.77	12.97	6.48	13.13	3.15	7.26	1.09	15.56	59.64
6505	15.45	9.50	12.45	2.99	6.78	1.02	17.22	65.41	19.31	9.69	16.28	3.91	11.25	1.69	23.19	85.32
6510	25.27	14.18	17.12	4.62	13.40	2.01	24.05	100.65	31.59	14.50	22.51	6.08	22.27	3.34	32.57	132.86
6515	16.70	9.00	10.98	2.74	7.84	1.18	17.04	65.48	20.87	9.20	14.24	3.56	13.62	2.04	22.94	86.47
6520	22.07	11.83	19.82	4.95	9.68	1.45	22.49	92.29	27.59	12.10	25.71	6.43	16.81	2.52	30.28	121.44
6525	29.62	15.87	23.59	5.90	12.99	1.95	30.19	120.11	37.03	16.24	30.60	7.65	22.57	3.39	40.64	158.12
6530	33.12	18.06	27.32	6.83	17.78	2.67	33.90	139.68	41.40	18.47	35.45	8.86	30.88	4.63	45.63	185.32
6545	3.79	2.55	0.00	0.12	1.71	0.26	4.22	12.65	4.55	2.59	0.00	0.12	2.24	0.34	5.43	15.27
6550	4.76	3.35	0.00	0.12	2.90	0.43	5.37	16.93	5.71	3.40	0.00	0.12	3.79	0.57	6.90	20.49
6560	1.89	1.31	0.00	0.07	0.99	0.15	2.12	6.53	2.27	1.33	0.00	0.07	1.30	0.19	2.73	7.89
6570	2.36	1.48	2.74	0.88	0.00	0.00	4.78	12.24	2.95	1.51	3.62	1.16	0.00	0.00	6.52	15.76
6575	0.57	0.28	0.00	0.07	0.00	0.00	0.71	1.63	0.71	0.29	0.00	0.07	0.00	0.00	1.00	2.07
6580	2.96	1.86	3.17	1.01	0.00	0.00	6.00	15.00	3.70	1.89	4.17	1.33	0.00	0.00	8.18	19.27
6585	0.73	0.36	0.00	0.07	0.00	0.00	0.92	2.08	0.92	0.37	0.00	0.07	0.00	0.00	1.29	2.65
6590	0.57	0.28	0.00	0.07	0.00	0.00	0.72	1.64	0.72	0.29	0.00	0.07	0.00	0.00	1.01	2.09
6595	4.91	3.08	4.43	1.42	0.00	0.00	9.95	23.79	6.14	3.14	5.84	1.87	0.00	0.00	13.57	30.56
6600	0.91	0.45	0.00	0.07	0.00	0.00	1.14	2.57	1.14	0.46	0.00	0.07	0.00	0.00	1.61	3.28
6605	0.70	0.35	0.00	0.07	0.00	0.00	0.88	2.00	0.88	0.36	0.00	0.07	0.00	0.00	1.24	2.55
6610	6.68	4.19	5.91	1.89	0.00	0.00	13.53	32.20	8.35	4.27	7.79	2.49	0.00	0.00	18.46	41.36
6615	0.93	0.46	0.00	0.07	0.00	0.00	1.16	2.62	1.16	0.47	0.00	0.07	0.00	0.00	1.63	3.33
6620	1.05	0.52	0.00	0.07	0.00	0.00	1.31	2.95	1.31	0.53	0.00	0.07	0.00	0.00	1.84	3.75
6625	9.52	5.98	8.45	2.70	0.00	0.00	19.29	45.94	11.89	6.08	11.12	3.56	0.00	0.00	26.30	58.95
6630	1.49	0.74	0.00	0.07	0.00	0.00	1.87	4.17	1.86	0.76	0.00	0.07	0.00	0.00	2.62	5.31
6635	1.63	0.81	0.00	0.07	0.00	0.00	2.04	4.55	2.04	0.83	0.00	0.07	0.00	0.00	2.87	5.81
6640	1.30	0.65	0.00	0.07	0.00	0.00	1.63	3.65	1.63	0.66	0.00	0.07	0.00	0.00	2.29	4.65
6645	11.58	7.64	12.67	3.17	0.00	0.00	17.63	52.69	13.90	7.74	16.69	4.17	0.00	0.00	23.50	66.00
6650	2.18	1.08	0.00	0.07	0.00	0.00	2.73	6.06	2.73	1.11	0.00	0.07	0.00	0.00	3.84	7.75
6655	2.41	1.20	0.00	0.07	0.00	0.00	3.01	6.69	3.01	1.22	0.00	0.07	0.00	0.00	4.23	8.53
6660	1.86	0.92	0.00	0.07	0.00	0.00	2.32	5.17	2.32	0.94	0.00	0.07	0.00	0.00	3.27	6.60
6665	0.06	0.03	0.00	0.05	0.00	0.00	0.07	0.21	0.07	0.03	0.00	0.05	0.00	0.00	0.10	0.25
6670	16.78	11.37	19.43	4.27	0.00	0.00	23.61	75.46	19.58	11.50	25.59	5.63	0.00	0.00	30.60	92.90
6675	3.00	1.49	0.00	0.07	0.00	0.00	3.76	8.32	3.75	1.53	0.00	0.07	0.00	0.00	5.28	10.63
6680	2.34	1.17	0.00	0.07	0.00	0.00	2.93	6.51	2.93	1.19	0.00	0.07	0.00	0.00	4.12	8.31
6685	3.18	1.58	0.00	0.07	0.00	0.00	3.97	8.80	3.97	1.61	0.00	0.07	0.00	0.00	5.58	11.23
6690	2.63	1.31	0.00	0.07	0.00	0.00	3.29	7.30	3.29	1.34	0.00	0.07	0.00	0.00	4.63	9.35
6695	0.80	0.40	0.00	0.12	0.00	0.00	1.00	2.32	1.00	0.41	0.00	0.12	0.00	0.00	1.40	2.93

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPP	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPP	REPR	
6700	0.09	0.04	0.00	0.07	0.00	0.00	0.11	0.31	0.11	0.04	0.00	0.07	0.00	0.00	0.15	0.37
6705	28.26	19.17	29.56	6.50	0.00	0.00	39.78	123.29	32.99	19.38	38.93	8.57	0.00	0.00	51.57	151.44
6710	4.55	2.26	0.00	0.07	0.00	0.00	5.70	12.58	5.69	2.31	0.00	0.07	0.00	0.00	8.01	16.08
6715	5.00	2.48	0.00	0.07	0.00	0.00	6.25	13.80	6.25	2.54	0.00	0.07	0.00	0.00	8.79	17.65
6720	0.10	0.05	0.00	0.07	0.00	0.00	0.12	0.34	0.12	0.05	0.00	0.07	0.00	0.00	0.17	0.41
6725	1.37	0.68	0.00	0.07	0.00	0.00	1.71	3.83	1.71	0.70	0.00	0.07	0.00	0.00	2.41	4.89
6735	3.60	2.26	3.72	1.19	0.00	0.00	7.30	18.07	4.50	2.30	4.89	1.57	0.00	0.00	9.95	23.21
6740	0.62	0.31	0.00	0.07	0.00	0.00	0.78	1.78	0.78	0.32	0.00	0.07	0.00	0.00	1.10	2.27
6745	0.62	0.31	0.00	0.05	0.00	0.00	0.78	1.76	0.78	0.32	0.00	0.05	0.00	0.00	1.10	2.25
6750	4.81	3.02	5.15	1.65	0.00	0.00	9.76	24.39	6.02	3.08	6.79	2.17	0.00	0.00	13.31	31.37
6755	0.70	0.35	0.00	0.07	0.00	0.00	0.87	1.99	0.87	0.35	0.00	0.07	0.00	0.00	1.23	2.52
6760	0.85	0.42	0.00	0.05	0.00	0.00	1.06	2.38	1.06	0.43	0.00	0.05	0.00	0.00	1.49	3.03
6765	6.65	4.18	6.33	2.03	0.00	0.00	13.48	32.67	8.32	4.25	8.34	2.67	0.00	0.00	18.39	41.97
6770	1.06	0.53	0.00	0.07	0.00	0.00	1.33	2.99	1.33	0.54	0.00	0.07	0.00	0.00	1.87	3.81
6775	1.06	0.53	0.00	0.05	0.00	0.00	1.33	2.97	1.33	0.54	0.00	0.05	0.00	0.00	1.87	3.79
6780	8.45	5.31	9.42	3.01	0.00	0.00	17.13	43.32	10.56	5.40	12.40	3.97	0.00	0.00	23.35	55.68
6785	1.14	0.57	0.00	0.07	0.00	0.00	1.43	3.21	1.43	0.58	0.00	0.07	0.00	0.00	2.01	4.09
6790	1.20	0.59	0.00	0.07	0.00	0.00	1.50	3.36	1.50	0.61	0.00	0.07	0.00	0.00	2.10	4.28
6795	1.62	0.80	0.00	0.05	0.00	0.00	2.02	4.49	2.02	0.82	0.00	0.05	0.00	0.00	2.84	5.73
6800	11.47	7.56	12.67	3.17	0.00	0.00	17.46	52.33	13.76	7.67	16.69	4.17	0.00	0.00	23.27	65.56
6805	2.26	1.12	0.00	0.05	0.00	0.00	2.83	6.26	2.83	1.15	0.00	0.05	0.00	0.00	3.98	8.01
6810	2.29	1.14	0.00	0.05	0.00	0.00	2.86	6.34	2.86	1.16	0.00	0.05	0.00	0.00	4.02	8.09
6815	15.79	10.41	17.95	4.49	0.00	0.00	24.04	72.68	18.95	10.56	23.64	5.91	0.00	0.00	32.05	91.11
6820	3.41	1.69	0.00	0.05	0.00	0.00	4.26	9.41	4.26	1.73	0.00	0.05	0.00	0.00	5.99	12.03
6825	3.50	1.74	0.00	0.05	0.00	0.00	4.38	9.67	4.38	1.78	0.00	0.05	0.00	0.00	6.16	12.37
6830	2.19	1.09	0.00	0.07	0.00	0.00	2.73	6.08	2.73	1.11	0.00	0.07	0.00	0.00	3.85	7.76
6835	21.17	14.35	22.13	4.87	0.00	0.00	29.78	92.30	24.70	14.51	29.14	6.41	0.00	0.00	38.60	113.36
6840	3.94	1.96	0.00	0.05	0.00	0.00	4.93	10.88	4.92	2.00	0.00	0.05	0.00	0.00	6.93	13.90
6845	4.49	2.23	0.00	0.05	0.00	0.00	5.62	12.39	5.61	2.28	0.00	0.05	0.00	0.00	7.90	15.84
6850	2.50	1.24	0.00	0.07	0.00	0.00	3.12	6.93	3.12	1.27	0.00	0.07	0.00	0.00	4.39	8.85
6860	3.09	1.94	2.74	0.88	0.00	0.00	6.27	14.92	3.87	1.98	3.62	1.16	0.00	0.00	8.55	19.18
6865	3.84	2.41	3.29	1.05	0.00	0.00	7.79	18.38	4.80	2.46	4.34	1.39	0.00	0.00	10.62	23.61
6870	5.33	3.35	4.65	1.49	0.00	0.00	10.80	25.62	6.66	3.41	6.12	1.96	0.00	0.00	14.73	32.88
6875	6.36	3.99	5.91	1.89	0.00	0.00	12.88	31.03	7.94	4.06	7.79	2.49	0.00	0.00	17.57	39.85
6880	0.87	0.43	0.00	0.05	0.00	0.00	1.09	2.44	1.09	0.44	0.00	0.05	0.00	0.00	1.53	3.11
6885	0.98	0.49	0.00	0.05	0.00	0.00	1.23	2.75	1.23	0.50	0.00	0.05	0.00	0.00	1.73	3.51
6890	9.49	5.96	8.87	2.84	0.00	0.00	19.23	46.39	11.86	6.07	11.68	3.74	0.00	0.00	26.23	59.58
6895	1.53	0.76	0.00	0.05	0.00	0.00	1.91	4.25	1.91	0.78	0.00	0.05	0.00	0.00	2.69	5.43
6900	1.05	0.52	0.00	0.05	0.00	0.00	1.31	2.93	1.31	0.53	0.00	0.05	0.00	0.00	1.85	3.74
6905	11.29	7.45	13.09	3.27	0.00	0.00	17.19	52.29	13.55	7.55	17.24	4.31	0.00	0.00	22.92	65.57
6910	1.91	0.95	0.00	0.05	0.00	0.00	2.38	5.29	2.38	0.97	0.00	0.05	0.00	0.00	3.35	6.75
6915	1.59	0.79	0.00	0.05	0.00	0.00	1.99	4.42	1.98	0.81	0.00	0.05	0.00	0.00	2.79	5.63
6920	0.66	0.33	0.00	0.07	0.00	0.00	0.82	1.88	0.82	0.33	0.00	0.07	0.00	0.00	1.15	2.37
6925	0.38	0.19	0.00	0.12	0.00	0.00	0.48	1.17	0.48	0.20	0.00	0.12	0.00	0.00	0.68	1.48
6930	0.07	0.03	0.00	0.07	0.00	0.00	0.08	0.25	0.08	0.03	0.00	0.07	0.00	0.00	0.11	0.29
6940	2.06	1.29	1.77	0.57	0.00	0.00	4.17	9.86	2.57	1.32	2.34	0.75	0.00	0.00	5.69	12.67
6945	2.86	1.80	2.74	0.88	0.00	0.00	5.80	14.08	3.58	1.83	3.62	1.16	0.00	0.00	7.91	18.10
6950	3.41	2.14	3.04	0.97	0.00	0.00	6.91	16.47	4.26	2.18	4.00	1.28	0.00	0.00	9.43	21.15
6960	2.34	1.47	2.66	0.85	0.00	0.00	4.74	12.06	2.92	1.49	3.50	1.12	0.00	0.00	6.46	15.49
6965	0.45	0.22	0.00	0.05	0.00	0.00	0.56	1.28	0.56	0.23	0.00	0.05	0.00	0.00	0.79	1.63
6970	3.51	2.21	3.80	1.22	0.00	0.00	7.12	17.86	4.39	2.25	5.01	1.60	0.00	0.00	9.72	22.97
6975	0.33	0.16	0.00	0.05	0.00	0.00	0.41	0.95	0.41	0.17	0.00	0.05	0.00	0.00	0.57	1.20
6980	5.11	3.21	4.98	1.59	0.00	0.00	10.35	25.24	6.38	3.27	6.56	2.10	0.00	0.00	14.12	32.43
6985	0.54	0.27	0.00	0.05	0.00	0.00	0.68	1.54	0.68	0.28	0.00	0.05	0.00	0.00	0.95	1.96
6990	7.18	4.51	6.55	2.09	0.00	0.00	14.55	34.88	8.97	4.59	8.62	2.76	0.00	0.00	19.85	44.79

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUEO)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	OEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
6995	0.71	0.35	0.00	0.05	0.00	0.00	0.89	2.00	0.89	0.36	0.00	0.05	0.00	0.00	1.25	2.55	
7000	9.04	5.68	9.29	2.97	0.00	0.00	18.33	45.31	11.30	5.78	12.24	3.92	0.00	0.00	24.99	58.23	
7005	1.12	0.56	0.00	0.05	0.00	0.00	1.40	3.13	1.40	0.57	0.00	0.05	0.00	0.00	1.96	3.98	
7010	1.19	0.59	0.00	0.05	0.00	0.00	1.49	3.32	1.49	0.61	0.00	0.05	0.00	0.00	2.09	4.24	
7015	11.76	7.75	13.51	3.38	0.00	0.00	17.90	54.30	14.11	7.86	17.80	4.45	0.00	0.00	23.86	68.08	
7020	1.54	0.76	0.00	0.05	0.00	0.00	1.92	4.27	1.92	0.78	0.00	0.05	0.00	0.00	2.70	5.45	
7025	1.62	0.80	0.00	0.05	0.00	0.00	2.02	4.49	2.02	0.82	0.00	0.05	0.00	0.00	2.85	5.74	
7030	15.84	10.45	17.31	4.33	0.00	0.00	24.12	72.05	19.01	10.59	22.80	5.70	0.00	0.00	32.16	90.26	
7035	2.09	1.04	0.00	0.05	0.00	0.00	2.62	5.80	2.61	1.06	0.00	0.05	0.00	0.00	3.68	7.40	
7040	1.91	0.95	0.00	0.05	0.00	0.00	2.39	5.30	2.38	0.97	0.00	0.05	0.00	0.00	3.35	6.75	
7045	25.96	17.59	26.18	5.76	0.00	0.00	36.52	112.01	30.28	17.79	34.48	7.59	0.00	0.00	47.34	137.48	
7050	4.88	2.43	0.00	0.05	0.00	0.00	6.11	13.47	6.10	2.48	0.00	0.05	0.00	0.00	8.59	17.22	
7055	4.59	2.28	0.00	0.05	0.00	0.00	5.73	12.65	5.73	2.33	0.00	0.05	0.00	0.00	8.06	16.17	
7060	4.29	2.13	0.00	0.05	0.00	0.00	5.36	11.83	5.36	2.18	0.00	0.05	0.00	0.00	7.54	15.13	
7070	9.78	6.15	8.66	2.77	0.00	0.00	19.83	47.19	12.23	6.26	11.40	3.65	0.00	0.00	27.05	60.59	
7075	1.10	0.55	0.00	0.05	0.00	0.00	1.37	3.07	1.37	0.56	0.00	0.05	0.00	0.00	1.93	3.91	
7080	1.23	0.61	0.00	0.05	0.00	0.00	1.54	3.43	1.54	0.63	0.00	0.05	0.00	0.00	2.16	4.38	
7085	1.26	0.63	0.00	0.05	0.00	0.00	1.57	3.51	1.57	0.64	0.00	0.05	0.00	0.00	2.21	4.47	
7090	10.25	6.76	10.98	2.74	0.00	0.00	15.60	46.33	12.30	6.85	14.46	3.62	0.00	0.00	20.80	58.03	
7095	1.56	0.77	0.00	0.05	0.00	0.00	1.95	4.33	1.95	0.79	0.00	0.05	0.00	0.00	2.74	5.53	
7100	2.04	1.01	0.00	0.05	0.00	0.00	2.55	5.65	2.55	1.04	0.00	0.05	0.00	0.00	3.59	7.23	
7105	1.77	0.88	0.00	0.05	0.00	0.00	2.21	4.91	2.21	0.90	0.00	0.05	0.00	0.00	3.11	6.27	
7110	0.51	0.25	0.00	0.11	0.00	0.00	0.64	1.51	0.64	0.26	0.00	0.11	0.00	0.00	0.90	1.91	
7115	14.57	9.61	15.63	3.91	0.00	0.00	22.18	65.90	17.49	9.74	20.58	5.14	0.00	0.00	29.58	82.53	
7120	2.03	1.01	0.00	0.05	0.00	0.00	2.54	5.63	2.54	1.03	0.00	0.05	0.00	0.00	3.58	7.20	
7125	2.23	1.11	0.00	0.05	0.00	0.00	2.79	6.18	2.79	1.13	0.00	0.05	0.00	0.00	3.92	7.89	
7130	2.00	1.00	0.00	0.05	0.00	0.00	2.51	5.56	2.51	1.02	0.00	0.05	0.00	0.00	3.52	7.10	
7135	0.08	0.04	0.00	0.05	0.00	0.00	0.10	0.27	0.10	0.04	0.00	0.05	0.00	0.00	0.15	0.34	
7140	0.47	0.23	0.00	0.10	0.00	0.00	0.58	1.38	0.58	0.24	0.00	0.10	0.00	0.00	0.82	1.74	
7150	9.43	5.55	8.22	2.30	2.85	0.43	9.29	38.07	11.79	5.66	10.81	3.03	5.97	0.89	12.58	50.73	
7155	14.02	8.52	12.13	3.40	6.26	0.94	13.95	59.22	17.53	8.70	15.96	4.47	13.12	1.97	18.89	80.64	
7165	15.20	9.28	10.72	3.00	7.06	1.06	15.14	61.46	19.00	9.47	14.11	3.95	14.80	2.22	20.50	84.05	
7170	24.70	15.13	18.51	5.18	8.47	1.27	24.63	97.89	30.87	15.44	24.36	6.82	17.76	2.66	33.35	131.26	
7180	0.96	0.55	1.68	0.47	0.20	0.03	0.94	4.83	1.20	0.56	2.21	0.62	0.41	0.06	1.27	6.33	
7185	1.08	0.62	1.96	0.55	0.18	0.03	1.06	5.48	1.35	0.63	2.57	0.72	0.37	0.06	1.43	7.13	
7190	1.46	0.83	2.43	0.68	0.22	0.03	1.43	7.08	1.83	0.85	3.19	0.89	0.45	0.07	1.93	9.21	
7200	0.20	0.12	0.77	0.25	0.03	0.00	0.34	1.71	0.24	0.12	1.00	0.32	0.04	0.01	0.47	2.20	
7205	0.91	0.54	1.45	0.46	0.05	0.01	1.53	4.95	1.13	0.55	1.89	0.60	0.08	0.01	2.13	6.39	
7210	1.05	0.62	2.38	0.76	0.04	0.01	1.76	6.62	1.31	0.63	3.11	0.99	0.06	0.01	2.45	8.56	
7215	2.27	1.36	2.50	0.70	0.18	0.03	3.85	10.89	2.84	1.39	3.30	0.92	0.25	0.04	5.34	14.08	
7220	4.81	2.93	4.11	1.15	0.58	0.09	8.19	21.86	6.01	2.98	5.41	1.51	0.82	0.12	11.38	28.23	
7230	8.23	4.78	3.91	1.10	0.00	0.00	13.81	31.83	10.29	4.87	5.15	1.44	0.00	0.00	19.19	40.94	
7235	11.88	6.90	6.85	1.92	0.00	0.00	19.93	47.48	14.85	7.03	9.01	2.52	0.00	0.00	27.68	61.09	
7245	9.33	5.42	3.29	0.92	0.00	0.00	15.64	34.60	11.66	5.52	4.33	1.21	0.00	0.00	21.73	44.45	
7250	16.16	9.39	6.85	1.92	0.00	0.00	27.12	61.44	20.20	9.57	9.01	2.52	0.00	0.00	37.66	78.96	
7265	0.59	0.28	3.04	0.97	0.11	0.02	0.69	5.70	0.79	0.29	4.05	1.30	0.14	0.02	1.05	7.64	
7270	0.74	0.34	3.04	0.97	0.13	0.02	0.85	6.09	0.98	0.35	4.05	1.30	0.18	0.03	1.30	8.19	
7275	0.61	0.30	3.04	0.97	0.19	0.03	0.72	5.86	0.82	0.31	4.05	1.30	0.24	0.04	1.09	7.85	
7280	0.74	0.36	3.04	0.97	0.23	0.04	0.87	6.25	0.99	0.37	4.05	1.30	0.31	0.05	1.32	8.39	
7285	0.68	0.34	3.04	0.97	0.32	0.05	0.80	6.20	0.90	0.35	4.05	1.30	0.40	0.06	1.22	8.28	
7290	1.23	0.61	6.95	2.22	0.40	0.06	1.24	12.71	1.64	0.63	8.94	2.86	0.51	0.08	1.93	16.59	
7295	1.72	0.83	3.89	1.09	0.40	0.06	1.73	9.72	2.30	0.86	5.05	1.42	0.51	0.08	2.69	12.91	
7300	1.43	0.70	7.99	2.56	0.40	0.06	1.44	14.58	1.91	0.72	10.27	3.29	0.51	0.08	2.24	19.02	
7305	1.96	0.94	3.89	1.09	0.40	0.06	1.96	10.30	2.62	0.97	5.05	1.42	0.51	0.08	3.05	13.70	
7310	1.60	0.79	7.99	2.56	0.49	0.07	1.61	15.11	2.13	0.81	10.27	3.29	0.62	0.09	2.51	19.72	

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	1.97	1.00	3.89	1.09	0.84	0.13	2.01	10.93	2.63	1.03	5.05	1.42	1.07	0.16	3.12	14.48
7320	2.42	1.20	14.96	4.79	0.85	0.13	2.45	26.80	3.23	1.24	19.27	6.17	1.10	0.16	3.81	34.98
7325	3.36	1.64	6.30	1.76	1.02	0.15	3.38	17.61	4.48	1.70	8.19	2.29	1.31	0.20	5.26	23.43
7330	3.48	1.72	6.30	1.76	1.14	0.17	3.51	18.08	4.64	1.77	8.19	2.29	1.46	0.22	5.47	24.04
7335	3.27	1.62	6.30	1.76	1.14	0.17	3.31	17.57	4.36	1.68	8.19	2.29	1.46	0.22	5.15	23.35
7340	3.87	1.89	6.30	1.76	1.14	0.17	3.90	19.03	5.16	1.95	8.19	2.29	1.46	0.22	6.06	25.33
7345	4.96	2.48	8.60	2.41	1.99	0.30	5.04	25.78	6.62	2.57	11.19	3.13	2.58	0.39	7.83	34.31
7350	5.27	2.64	8.60	2.41	2.09	0.31	5.35	26.67	7.02	2.73	11.19	3.13	2.69	0.40	8.31	35.47
7355	4.97	2.50	8.60	2.41	2.09	0.31	5.05	25.93	6.62	2.59	11.19	3.13	2.69	0.40	7.86	34.48
7360	4.92	2.46	10.30	2.88	1.91	0.29	4.99	27.75	6.56	2.54	13.38	3.75	2.46	0.37	7.76	36.82
7370	0.63	0.30	3.19	1.02	0.15	0.02	0.73	6.04	0.83	0.31	4.26	1.36	0.18	0.03	1.11	8.08
7375	0.76	0.37	3.19	1.02	0.15	0.02	0.91	6.44	1.04	0.38	4.26	1.36	0.18	0.03	1.38	8.63
7380	0.88	0.41	3.19	1.02	0.15	0.02	1.02	6.69	1.18	0.42	4.26	1.36	0.20	0.03	1.56	9.01
7385	0.74	0.35	3.19	1.02	0.16	0.02	0.86	6.34	0.98	0.36	4.26	1.36	0.19	0.03	1.31	8.49
7390	0.85	0.40	3.19	1.02	0.18	0.03	0.98	6.65	1.13	0.41	4.26	1.36	0.24	0.04	1.50	8.94
7395	0.69	0.33	3.10	0.99	0.18	0.03	0.80	6.12	0.92	0.34	4.13	1.32	0.22	0.03	1.22	8.18
7400	1.06	0.51	7.27	2.33	0.29	0.04	1.06	12.56	1.41	0.53	9.35	2.99	0.36	0.05	1.65	16.34
7405	1.16	0.58	7.27	2.33	0.40	0.06	1.18	12.98	1.55	0.60	9.35	2.99	0.51	0.08	1.83	16.91
7410	1.64	0.79	3.96	1.11	0.40	0.06	1.64	9.60	2.19	0.82	5.15	1.44	0.51	0.08	2.56	12.75
7415	1.26	0.63	8.08	2.59	0.49	0.07	1.28	14.40	1.68	0.65	10.39	3.33	0.62	0.09	1.99	18.75
7420	2.21	1.08	4.44	1.24	0.63	0.09	2.23	11.92	2.95	1.12	5.77	1.62	0.80	0.12	3.46	15.84
7425	2.30	1.18	13.08	4.19	1.10	0.17	2.35	24.37	3.07	1.22	16.85	5.39	1.42	0.21	3.66	31.82
7430	2.73	1.37	7.38	2.07	1.10	0.17	2.78	17.60	3.65	1.42	9.59	2.69	1.42	0.21	4.32	23.30
7435	3.07	1.54	8.46	2.37	1.21	0.18	3.11	19.94	4.09	1.59	11.00	3.08	1.54	0.23	4.84	26.37
7440	3.28	1.62	7.56	2.12	1.10	0.17	3.31	19.16	4.37	1.67	9.83	2.75	1.42	0.21	5.15	25.40
7445	3.58	1.77	5.52	1.55	1.20	0.18	3.62	17.42	4.77	1.83	7.18	2.01	1.51	0.23	5.63	23.16
7450	4.59	2.20	12.06	3.38	1.10	0.17	4.59	28.09	6.11	2.28	15.68	4.39	1.42	0.21	7.15	37.24
7455	5.37	2.57	11.05	3.09	1.23	0.18	5.38	28.87	7.16	2.66	14.37	4.02	1.58	0.24	8.36	38.39
7460	4.85	2.32	11.05	3.09	1.10	0.17	4.86	27.44	6.47	2.40	14.37	4.02	1.42	0.21	7.55	36.44
7470	0.68	0.32	1.88	0.60	0.15	0.02	0.78	4.43	0.90	0.33	2.50	0.80	0.20	0.03	1.20	5.96
7475	0.99	0.48	6.64	2.12	0.29	0.04	1.00	11.56	1.32	0.50	8.53	2.73	0.36	0.05	1.56	15.05
7480	1.03	0.50	6.64	2.12	0.29	0.04	1.04	11.66	1.38	0.52	8.53	2.73	0.36	0.05	1.62	15.19
7485	1.47	0.70	3.96	1.11	0.29	0.04	1.46	9.03	1.95	0.72	5.15	1.44	0.36	0.05	2.28	11.95
7490	1.10	0.53	8.53	2.73	0.29	0.04	1.11	14.33	1.47	0.55	10.97	3.51	0.36	0.05	1.73	18.64
7495	1.65	0.79	4.32	1.21	0.40	0.06	1.65	10.08	2.20	0.82	5.62	1.57	0.51	0.08	2.57	13.37
7500	1.27	0.63	8.58	2.75	0.40	0.06	1.28	14.97	1.70	0.65	11.03	3.53	0.51	0.08	2.00	19.50
7505	2.17	1.03	5.04	1.41	0.40	0.06	2.16	12.27	2.89	1.06	6.55	1.83	0.51	0.08	3.37	16.29
7510	3.45	1.69	7.56	2.12	1.10	0.17	3.48	19.57	4.60	1.75	9.83	2.75	1.42	0.21	5.41	25.97
7515	4.18	2.02	8.28	2.32	1.10	0.17	4.20	22.27	5.57	2.09	10.76	3.01	1.42	0.21	6.53	29.59
7520	4.42	2.13	10.44	2.92	1.10	0.17	4.43	25.61	5.89	2.20	13.57	3.80	1.42	0.21	6.89	33.98
7525	4.27	2.06	8.10	2.27	1.10	0.17	4.29	22.26	5.69	2.13	10.53	2.95	1.42	0.21	6.67	29.60
7530	4.61	2.21	10.44	2.92	1.10	0.17	4.61	26.06	6.14	2.29	13.57	3.80	1.42	0.21	7.18	34.61
7540	5.70	2.71	10.44	2.92	1.17	0.18	5.70	28.82	7.60	2.80	13.57	3.80	1.51	0.23	8.86	38.37
7545	5.81	2.76	10.44	2.92	1.17	0.18	5.81	29.09	7.75	2.85	13.57	3.80	1.51	0.23	9.03	38.74
7550	6.44	3.04	10.44	2.92	1.17	0.18	6.42	30.61	8.59	3.14	13.57	3.80	1.51	0.23	9.99	40.83
7560	5.41	2.61	9.00	2.52	1.35	0.20	5.43	26.52	7.21	2.70	11.70	3.28	1.73	0.26	8.44	35.32
7565	6.07	2.88	12.60	3.53	1.17	0.18	6.06	32.49	8.09	2.97	16.38	4.59	1.51	0.23	9.42	43.19
7570	6.57	3.10	12.60	3.53	1.17	0.18	6.55	33.70	8.77	3.21	16.38	4.59	1.51	0.23	10.20	44.89
7575	6.87	3.24	12.60	3.53	1.17	0.18	6.85	34.44	9.16	3.35	16.38	4.59	1.51	0.23	10.65	45.87
7580	9.35	4.35	12.60	3.53	1.17	0.18	9.28	40.46	12.46	4.49	16.38	4.59	1.51	0.23	14.43	54.09
7590	2.17	0.87	0.00	0.09	0.00	0.00	2.25	5.38								
7595	2.62	1.05	0.00	0.09	0.00	0.00	2.72	6.46								
7600	4.07	1.63	0.00	0.09	0.00	0.00	4.22	10.01								
7605	5.07	2.03	0.00	0.09	0.00	0.00	5.26	12.45								
7610	5.80	2.32	0.00	0.09	0.00	0.00	6.02	14.23								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7620	0.55	0.22	0.00	0.08	0.00	0.00	0.57	1.42	0.74	0.23	0.00	0.08	0.00	0.00	0.87	1.92
7625	0.88	0.35	0.00	0.08	0.00	0.00	0.91	2.22	1.17	0.36	0.00	0.08	0.00	0.00	1.38	2.99
7630	0.89	0.35	0.00	0.08	0.00	0.00	0.92	2.24	1.18	0.37	0.00	0.08	0.00	0.00	1.40	3.03
7635	0.90	0.36	0.00	0.08	0.00	0.00	0.93	2.27	1.20	0.37	0.00	0.08	0.00	0.00	1.42	3.07
7645	0.18	0.07	0.00	0.00	0.00	0.00	0.19	0.44								
7650	0.19	0.07	0.00	0.00	0.00	0.00	0.19	0.45								
7655	0.20	0.08	0.00	0.00	0.00	0.00	0.21	0.49								
7660	0.24	0.10	0.00	0.00	0.00	0.00	0.25	0.59								
7665	0.27	0.11	0.00	0.00	0.00	0.00	0.28	0.66								
7670	0.25	0.10	0.00	0.00	0.00	0.00	0.26	0.61								
7675	0.07	0.03	0.00	0.00	0.00	0.00	0.07	0.17								
7685	0.19	0.08	0.00	0.08	0.00	0.00	0.20	0.55								
7690	0.24	0.10	0.00	0.08	0.00	0.00	0.25	0.67								
7695	0.66	0.27	0.00	0.08	0.00	0.00	0.69	1.70								
7700	0.74	0.29	0.00	0.08	0.00	0.00	0.76	1.87								
7710	2.36	0.94	0.00	0.12	0.00	0.00	2.45	5.87								
7715	2.40	0.96	0.00	0.12	0.00	0.00	2.49	5.97								
7720	2.42	0.97	0.00	0.12	0.00	0.00	2.52	6.03								
7725	2.46	0.98	0.00	0.12	0.00	0.00	2.55	6.11								
7735	1.06	0.42	0.00	0.00	0.00	0.00	1.10	2.58								
7740	1.11	0.45	0.00	0.00	0.00	0.00	1.16	2.72								
7745	1.19	0.47	0.00	0.00	0.00	0.00	1.23	2.89								
7755	1.89	1.02	0.00	0.08	0.54	0.08	1.72	5.33	2.36	1.04	0.00	0.08	0.65	0.10	2.50	6.73
7760	2.18	1.17	0.00	0.08	0.58	0.09	1.99	6.09	2.73	1.20	0.00	0.08	0.70	0.11	2.90	7.72
7765	2.17	1.17	0.00	0.08	0.58	0.09	1.98	6.07	2.72	1.20	0.00	0.08	0.70	0.11	2.88	7.69
7770	2.76	1.47	0.00	0.08	0.67	0.10	2.51	7.59	3.46	1.51	0.00	0.08	0.81	0.12	3.66	9.64
7775	2.73	1.54	0.00	0.08	1.11	0.17	2.51	8.14	3.42	1.57	0.00	0.08	1.33	0.20	3.66	10.26
7780	5.88	3.21	0.00	0.08	1.85	0.28	5.37	16.67	7.35	3.29	0.00	0.08	2.23	0.33	7.83	21.11
7785	6.13	3.56	0.00	0.08	3.08	0.46	5.68	18.99	7.67	3.64	0.00	0.08	3.71	0.56	8.29	23.95
7795	2.28	1.21	0.00	0.08	0.54	0.08	2.07	6.26	2.85	1.24	0.00	0.08	0.65	0.10	3.02	7.94
7805	1.05	0.84	0.00	0.08	0.44	0.07	1.06	3.54								
7810	1.20	0.95	0.00	0.08	0.49	0.07	1.20	3.99								
7815	1.47	1.15	0.00	0.08	0.54	0.08	1.46	4.78								
7820	1.47	1.18	0.00	0.12	0.66	0.10	1.48	5.01								
7825	1.54	1.25	0.00	0.12	0.74	0.11	1.56	5.32								
7830	1.68	1.36	0.00	0.12	0.82	0.12	1.70	5.80								
7835	1.61	1.51	0.00	0.12	1.54	0.23	1.73	6.74								
7840	2.30	1.98	0.00	0.12	1.54	0.23	2.39	8.56								
7845	2.36	2.03	0.00	0.12	1.54	0.23	2.45	8.73								
7850	3.03	2.37	0.00	0.16	1.09	0.16	3.02	9.83								
7855	3.09	2.61	0.00	0.16	1.88	0.28	3.18	11.20								
7860	3.35	2.84	0.00	0.16	2.06	0.31	3.45	12.17								
7865	3.92	3.22	0.00	0.16	2.02	0.30	3.99	13.61								
7870	0.78	0.68	0.00	0.08	0.54	0.08	0.81	2.97								
7880	0.75	0.65	0.00	0.08	0.54	0.08	0.78	2.88								
7890	0.95	0.80	0.00	0.10	0.54	0.08	0.97	3.44								
7895	0.96	0.80	0.00	0.10	0.54	0.08	0.98	3.46								
7905	0.48	0.42	0.00	0.09	0.34	0.05	0.50	1.88								
7910	0.50	0.43	0.00	0.09	0.34	0.05	0.52	1.93								
7915	0.54	0.49	0.00	0.09	0.46	0.07	0.57	2.22								
7925	1.78	1.08	2.47	0.69	0.21	0.03	1.33	7.59								
7930	1.80	1.14	2.47	0.69	0.42	0.06	1.36	7.94								
7935	1.89	1.20	2.47	0.69	0.42	0.06	1.43	8.16								
7945	15.89	9.96	11.12	3.67	6.59	0.99	14.54	62.76	19.07	10.12	14.37	4.74	10.98	1.65	20.35	81.28
7950	22.14	13.98	16.07	5.30	10.04	1.51	20.29	89.33	26.57	14.20	20.75	5.85	16.74	2.51	26.41	116.03

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRES	WEAR	RPR	DEPR	CFC	FUEL	FOG	TIRES	WEAR	RPR		
7955	29.88	19.47	21.51	7.10	13.42	2.01	27.60	120.99	35.86	19.78	27.78	9.17	22.37	3.36	38.64	156.96
7960	13.83	6.77	11.12	3.67	6.59	0.99	12.69	57.66	16.59	8.90	14.37	4.74	10.98	1.65	17.76	74.99
7965	20.14	13.13	16.07	5.30	12.66	1.90	18.61	87.81	24.17	13.33	20.75	6.85	21.10	3.17	26.05	115.42
7975	10.80	7.16	5.81	1.92	6.33	0.95	10.02	42.99	12.96	7.27	7.50	2.48	10.18	1.53	14.03	55.95
7980	12.82	8.04	6.30	2.08	4.32	0.65	11.73	45.94	15.38	8.17	8.14	2.69	6.94	1.04	16.43	58.79
7985	12.91	8.40	6.30	2.08	6.44	0.97	11.92	49.02	15.49	8.53	8.14	2.69	10.35	1.55	16.69	63.44
7990	21.88	14.08	11.12	3.67	9.88	1.48	20.15	82.26	26.26	14.30	14.37	4.74	15.89	2.38	28.21	106.15
8000	9.83	6.20	5.29	1.75	3.15	0.47	9.00	35.69	11.79	6.29	6.83	2.25	5.25	0.79	12.61	45.81
8005	15.11	9.43	10.63	3.51	5.96	0.89	13.81	59.34	18.13	9.58	13.73	4.53	9.94	1.49	19.34	76.74
8010	19.85	12.65	14.24	4.70	10.04	1.51	18.24	81.23	23.82	12.85	18.39	6.07	16.74	2.51	25.53	105.91
8015	25.85	16.92	15.97	5.27	12.03	1.80	23.91	101.75	31.02	17.18	20.63	6.81	20.06	3.01	33.47	132.18
8020	26.21	17.35	18.44	6.09	13.42	2.01	24.31	107.83	31.46	17.62	23.82	7.86	22.37	3.36	34.03	140.52
8030	21.02	13.09	14.34	4.73	9.13	1.37	19.20	82.88	25.23	13.29	18.52	6.11	15.66	2.35	26.89	108.05
8040	8.21	5.41	5.31	1.75	5.62	0.84	7.61	34.75	9.86	5.49	6.86	2.27	9.37	1.41	10.65	45.91
8045	12.31	7.78	7.94	2.62	5.68	0.85	11.28	48.46	14.77	7.90	10.25	3.38	9.46	1.42	15.80	62.98
8050	15.15	9.88	12.19	4.02	9.56	1.43	14.00	66.23	18.18	10.03	15.74	5.19	15.93	2.39	19.60	87.06
8055	20.53	13.35	15.43	5.09	12.66	1.90	18.95	87.91	24.63	13.56	19.92	6.58	21.10	3.17	26.53	115.49
8060	27.78	18.26	20.76	6.85	13.42	2.01	25.72	114.80	33.34	18.54	26.82	8.85	22.37	3.36	36.00	149.28
8070	15.89	9.96	10.38	3.43	6.59	0.99	14.54	61.78	19.07	10.12	13.41	4.43	10.98	1.65	20.36	80.02
8075	21.96	13.87	14.24	4.70	10.04	1.51	20.13	86.45	26.35	14.09	18.39	6.07	16.74	2.51	28.19	112.34
8080	23.79	15.24	14.24	4.70	12.66	1.90	21.89	94.42	28.55	15.48	18.39	6.07	21.10	3.17	30.64	123.40
8085	26.41	16.85	16.44	5.42	13.44	2.02	24.27	104.85	31.70	17.11	21.23	7.01	22.40	3.36	33.98	136.79
8090	30.10	19.60	20.22	6.67	13.42	2.01	27.80	119.82	36.12	19.91	26.12	8.62	22.37	3.36	38.92	155.42
8100	5.34	4.98	5.87	1.64	2.25	0.34	6.46	26.88	6.41	5.03	7.72	2.16	3.03	0.46	8.40	33.21
8105	9.43	8.93	12.92	3.62	4.53	0.68	11.49	51.60	11.32	9.03	16.99	4.76	6.10	0.91	14.93	64.04
8110	12.85	12.32	17.61	4.93	6.73	1.01	15.73	71.18	15.42	12.45	23.17	6.49	9.07	1.36	20.45	88.41
8115	13.23	12.63	17.61	4.93	6.73	1.01	16.17	72.31	15.88	12.77	23.17	6.49	9.07	1.36	21.02	89.76
8120	15.32	14.75	21.53	6.03	8.28	1.24	18.79	85.94	18.38	14.91	28.32	7.93	11.15	1.67	24.42	106.78
8125	15.65	15.02	21.53	6.03	8.28	1.24	19.16	86.91	18.78	15.18	28.32	7.93	11.15	1.67	24.91	107.94
8135	9.69	9.14	12.92	3.62	4.53	0.68	11.78	52.36	11.62	9.24	16.99	4.76	6.10	0.91	15.31	64.93
8140	13.14	12.55	17.61	4.93	6.73	1.01	16.06	72.03	15.77	12.69	23.17	6.49	9.07	1.36	20.88	89.43
8145	13.37	12.74	17.61	4.93	6.73	1.01	16.32	72.71	16.04	12.88	23.17	6.49	9.07	1.36	21.22	90.23
8150	15.96	15.27	21.53	6.03	8.28	1.24	19.52	87.83	19.15	15.44	28.32	7.93	11.15	1.67	25.37	109.03
8155	16.14	15.42	21.53	6.03	8.28	1.24	19.72	88.36	19.36	15.59	28.32	7.93	11.15	1.67	25.64	109.66
8165	13.56	7.79	12.92	3.62	6.08	0.91	11.55	56.43	16.27	7.93	16.99	4.76	10.19	1.53	16.18	73.85
8170	20.22	11.88	17.61	4.93	10.37	1.56	17.30	83.87	24.26	12.08	23.17	6.49	16.90	2.53	24.22	109.65
8175	30.35	18.37	25.44	7.12	21.54	3.23	26.12	132.17	36.42	18.69	33.47	9.37	36.20	5.43	36.57	176.15
8185	13.01	7.48	10.84	3.04	5.76	0.86	11.09	52.08	15.61	7.61	14.27	3.99	9.57	1.44	15.53	68.02
8190	23.80	13.22	16.56	4.64	5.13	0.77	20.16	84.28	28.56	13.45	21.78	6.10	8.38	1.26	28.22	107.75
8200	14.28	8.20	12.92	3.62	6.26	0.94	12.17	58.39	17.14	8.34	16.99	4.76	10.45	1.57	17.04	76.29
8205	20.63	11.65	17.61	4.93	7.57	1.13	17.53	81.05	24.76	11.85	23.17	6.49	12.67	1.90	24.54	105.38
8215	3.85	1.21	5.25	1.47	0.06	0.01	6.30	18.15								
8220	5.87	1.84	9.23	2.58	0.06	0.01	9.58	29.17								
8230	0.94	0.54	0.00	0.01	0.00	0.00	0.70	2.19								
8235	1.10	0.63	0.00	0.01	0.00	0.00	0.81	2.55								
8240	1.27	0.73	0.00	0.01	0.00	0.00	0.94	2.95								
8250	1.60	0.97	0.68	0.17	0.18	0.03	1.20	4.83								
8255	1.83	1.10	0.68	0.17	0.18	0.03	1.37	5.36								
8260	2.04	1.22	0.68	0.17	0.18	0.03	1.52	5.84								
8270	0.16	0.08	0.42	0.13	0.00	0.00	0.11	0.90								
8275	0.20	0.10	0.52	0.16	0.00	0.00	0.14	1.12								
8285	0.25	0.11	1.46	0.35	0.03	0.01	0.31	2.52								
8290	0.51	0.20	6.79	1.63	0.02	0.00	0.63	9.78								
8295	0.52	0.21	6.79	1.63	0.02	0.00	0.64	9.81								
8300	0.62	0.24	7.21	1.73	0.02	0.00	0.76	10.58								

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
8305	0.76	0.31	8.88	2.13	0.04	0.01	0.94	13.07								
8315	0.68	0.27	1.84	0.44	0.02	0.00	0.83	4.08								
8320	0.68	0.27	1.84	0.44	0.02	0.00	0.84	4.09								
8325	0.85	0.34	3.05	0.73	0.04	0.01	1.05	6.07								
8330	0.83	0.33	3.10	0.74	0.04	0.01	1.02	6.07								
8340	0.22	0.11	0.21	0.06	0.00	0.00	0.15	0.75								
8345	0.23	0.11	0.42	0.13	0.00	0.00	0.16	1.05								
8355	0.14	0.07	0.40	0.12	0.00	0.00	0.10	0.83								
8360	0.15	0.07	0.50	0.15	0.00	0.00	0.10	0.97								
8365	0.19	0.09	0.63	0.19	0.00	0.00	0.13	1.23								
8370	0.31	0.16	0.88	0.26	0.00	0.00	0.22	1.83								
8380	0.07	0.04	0.40	0.12	0.00	0.00	0.05	0.68								
8385	0.12	0.06	0.50	0.15	0.00	0.00	0.09	0.92								



APPENDIX A

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APPENDIX A

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APPENDIX B

AREA FACTORS

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

State Sales Tax Rate:	3.0 %
Working Hours Per Year:	1,600 Hrs/Yr
Labor Adjustment Factor (LAF):	1.030
Electricity Cost Per Kilowatt-Hour:	\$ 0.035 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.290 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 1.030 /GAL.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.200 /Gal.
Freight Rates:	0 thru 24,000 lbs. \$14.120 /Cwt. over 24,000 thru 30,000 lbs. \$13.080 /Cwt. over 30,000 thru 44,000 lbs. \$10.190 /Cwt. over 44,000 thru 60,000 lbs. \$ 8.230 /Cwt. over 60,000 thru 9999,900 lbs. \$ 7.870 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

EQUIPMENT TYPE	AVERAGE	SEVERE
Cranes, Crawler Truck	Lift less than rated capacity, intermittent duty.	Continuous lift near rated capacity, excessive swing, abrasive materials, sloped surfaces.
Depreciation Period	13,000 - 22,000 Hrs.	11,000 - 20,000 Hrs.
Shovels	Gravels, silts, well broken rock, lift less than rated capacity.	Extremely abrasive tough materials, lifting near rated capacity, impact breakout.
Depreciation Period	11,000 - 22,000 Hrs.	9,000 - 20,000 Hrs.
Draglines	Gravels, silts, pull and lift less than rated capacity.	Highly abrasive materials, impact breakout, continuous load near rated capacity.
Depreciation Period	12,000 - 20,000 Hrs.	10,000 - 18,000 Hrs.
Backhoes	Clay, earth digging, no breakout impact, easy continuous or intermittent duty.	Rock work, pull near rated capacity, uneven surface, impact breakout, abrasive materials.
Depreciation Period	11,000 - 22,000 Hrs.	9,000 - 20,000 Hrs.

## GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

<u>EQUIPMENT TYPE</u>	<u>AVERAGE</u>	<u>SEVERE</u>
Tractors, Crawler Type	Production dozing in clays, sands, gravels and talus rock. Push-loading scrapers, borrow pit ripping, most landclearing and skidding applications. Medium impact conditions.	Heavy rock ripping. Tandem ripping. Pushloading and dozing in hard rock. Continuous high impact conditions.
Depreciation Period	10,000 - 14,000 Hrs.	8,000 - 12,000 Hrs.
Tractors, Wheel-Type	Production dozing, pushloading in clays, sands, silts, loose gravels. Shovel cleanup.	Production dozing in rock. Push-loading in rocky, bouldery borrow pits. High impact conditions.
Depreciation Period	10,000 Hrs.	8,000 Hrs.
Scrapers, Self-Propelled	Varying loading and haul road conditions. Long and short hauls. Adverse and favorable grades. Some impact. Typical road-building use on a variety of jobs.	High impact condition, such as loading ripped rock. Continuous high total resistance conditions. Rough haul roads.
Depreciation Period	10,000 Hrs.	8,000 Hrs.
Trucks, Off Highway	Varying loading and haul road conditions. Typical road-building use on a variety of jobs.	Consistently poor haul road conditions. Oversized loading equipment.
Depreciation Period	12,000 Hrs.	10,000 Hrs.

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

APPENDIX D  
EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

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

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

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

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
15	AGGREGATE SPREADERS	A	10	20	50 .000	.051	.030		0 .000	.000	.000		0	24	24	97	69	99	70
30	AIR COMPRESSORS	A	10	25	65 .000	.066	.038		0 .000	.000	.000		0	32	28	0	0	90	70
45	AIR TOOLS, SANDBLASTERS, ETC	A	4	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	90	150
60	ASPHALT DISTRIBUTORS	A	10	30	65 .000	.066	.038		0 .000	.000	.000		0	32	28	71	57	79	85
65	ASPHALT AND CONCRETE PAVERS	A	10	25	65 .000	.066	.038		0 .000	.000	.000		0	32	28	83	66	92	90
70	ASPHALT KETTLES AND RECYCLERS	A	8	25	65 .000	.066	.038		0 .000	.000	.000		0	32	28	76	60	84	80
	BACKHOE (SEE KEY NO. 570-601)																		
75	BROOMS	A	10	25	65 .000	.066	.000		0 .000	.000	.000		0	24	0	81	65	90	60
80	BRUSH CHIPPERS	A	10	20	45 .000	.046	.027		0 .000	.000	.000		0	32	28	0	0	90	90
90	BUCKETS, CLAMSHELL & DRAGLINE	A	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
90		S	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
95	BUCKETS, CONCRETE	A	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
105	CONCRETE OR GROUT PUMP	A	8	20	95 .000	.097	.056		0 .000	.000	.000		0	32	28	81	65	90	90
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	A	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	90	80
125	CONCRETE FINISHERS & BUGGIES	A	10	20	70 .700	.071	.041		0 .000	.000	.000		50	32	28	0	0	0	80
135	CONCRETE VIBRATORS	A	4	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	250
140	COMPACTORS, MANUALLY OPERATED	A	6	20	90 .000	.091	.053		0 .000	.000	.000		0	24	24	0	0	0	100
	CRANE, CRAWLER TYPE																		
150	O THRU 25 TON	A	13	25	40 .000	.041	.024		0 .000	.000	.000		0	18	18	0	0	0	50
150		S	11	25	52 .000	.053	.031		0 .000	.000	.000		0	18	18	0	0	0	55
165	OVER 25 TON THRU 50 TON	A	15	25	40 .000	.041	.024		0 .000	.000	.000		0	18	18	0	0	0	60
165		S	13	25	52 .000	.053	.031		0 .000	.000	.000		0	18	18	0	0	0	65
170	OVER 50 TON THRU 150 TON	A	18	25	40 .000	.041	.024		0 .000	.000	.000		0	18	18	0	0	0	70
170		S	16	25	52 .000	.053	.031		0 .000	.000	.000		0	18	18	0	0	0	75
180	OVER 150 TON	A	20	25	40 .000	.041	.024		0 .000	.000	.000		0	18	18	0	0	0	80
180		S	18	25	52 .000	.053	.031		0 .000	.000	.000		0	18	18	0	0	0	85
	DRAGLINE & CLAMSHELL,CRAWLER																		
185	O THRU 1 CY	A	12	20	50 .000	.051	.030		0 .000	.000	.000		0	18	18	0	0	0	70
185		S	10	20	65 .000	.066	.038		0 .000	.000	.000		0	18	18	0	0	0	80
190	OVER 1 CY THRU 2-1/2 CY	A	15	20	50 .000	.051	.030		0 .000	.000	.000		0	18	18	0	0	0	80
190		S	13	20	65 .000	.066	.038		0 .000	.000	.000		0	18	18	0	0	0	90
195	OVER 2-1/2 CY THRU 5 CY	A	18	20	50 .000	.051	.030		0 .000	.000	.000		0	18	18	0	0	0	90
195		S	16	20	65 .000	.066	.038		0 .000	.000	.000		0	18	18	0	0	0	100
196	OVER 5 CY	A	20	25	50 .000	.051	.030		0 .000	.000	.000		0	18	18	0	0	0	100

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
196		S	18	25	65 .000	.066	.038		0 .000	.000	.000		0	18	18	0	0	0	110
200	CRANES, HYDRAULIC, SELF-PROPELLED	A	16	25	65 .000	.066	.038		0 .000	.000	.000		0	32	28	89	71	0	70
	CRANES & HYD. EXC. , TRK MTD																		
210	UNDER 26 T. (THRU 1 CY)	A	15	25	65 .000	.066	.038		10 .000	.010	.006		0	30	26	97	78	0	50
210		S	13	25	85 .000	.086	.050		13 .000	.013	.007		0	30	26	86	61	0	55
225	26 THRU 65 T (1 TH 2-1/2 CY)	A	18	20	65 .000	.066	.038		10 .000	.010	.006		0	30	26	97	78	0	60
225		S	16	20	85 .000	.086	.050		13 .000	.013	.007		0	30	26	86	61	0	65
230	66 THRU 125 T	A	20	20	65 .000	.066	.038		10 .000	.010	.006		0	30	26	97	78	0	70
230		S	18	20	85 .000	.086	.050		13 .000	.013	.007		0	30	26	86	61	0	75
240	OVER 125 T	A	22	20	65 .000	.066	.038		10 .000	.010	.006		0	30	26	97	78	0	80
240		S	20	20	85 .000	.086	.050		13 .000	.013	.007		0	30	26	86	61	0	85
255	DRILL, AUGER	A	10	20	50 .000	.051	.030		0 .000	.000	.000		0	32	28	67	57	0	90
270	DRILL, BLAST HOLE	A	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	90
300	DRILL, CORE	A	10	20	80 .000	.081	.047		0 .000	.000	.000		0	16	24	0	0	0	90
315	DRILL, ROTARY TO 11" DIA. HOLE	A	15	20	80 .000	.081	.047		10 .000	.010	.006		0	24	24	62	44	0	90
330	DRILL, ROTARY OVER 11" DIA.	A	20	20	80 .000	.081	.047		0 .000	.000	.000		0	24	24	62	44	0	90
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	A	20	20	70 .700	.000	.000		0 .000	.000	.000		50	0	0	0	0	0	45
375	FORK LIFTS	A	10	20	65 .000	.066	.038		0 .000	.000	.000		0	24	24	87	78	0	70
390	GRADERS	A	12	30	60 .000	.061	.035		0 .000	.000	.000		0	16	29	89	71	0	60
390		S	10	30	78 .000	.079	.046		0 .000	.000	.000		0	16	29	71	51	0	65
420	GENERATORS	A	10	35	65 .000	.066	.038		0 .000	.000	.000		0	24	24	0	0	0	60
420		S	9	35	85 .000	.086	.050		0 .000	.000	.000		0	24	24	0	0	0	70
435	HOIST	A	10	20	65 .000	.066	.038		0 .000	.000	.000		0	24	24	0	0	0	80
	HYD. EXCAVATOR (SEE KEY NO. 570-601)																		
440	LIGHT PLANTS	A	10	30	85 .000	.086	.050		0 .000	.000	.000		0	24	24	0	0	0	150
450	LOADER, BELT	A	10	35	65 .000	.066	.038		0 .000	.000	.000		0	32	28	26	0	99	90
450		S	8	35	85 .000	.086	.050		0 .000	.000	.000		0	32	28	16	0	96	100
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE,CRAWLER TYPE	A	10	25	70 .000	.071	.041		0 .000	.000	.000		0	32	38	0	0	0	120
460	LOADER, WHEEL TYPE	S	8	25	91 .000	.092	.054		0 .000	.000	.000		0	32	38	0	0	0	130
465	0 THRU 225 HP	A	10	25	65 .000	.066	.038		0 .000	.000	.000		0	32	40	70	42	0	70
465		S	8	25	85 .000	.086	.050		0 .000	.000	.000		0	32	40	41	22	0	75
470	OVER 225 HP	A	12	20	65 .000	.066	.038		0 .000	.000	.000		0	32	30	70	42	0	70
470		S	10	20	85 .000	.086	.050		0 .000	.000	.000		0	32	30	41	22	0	75

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	A	10	30	65 .000	.066	.038		0 .000	.000	.000		0	32	28	72	50	0	80
475		S	8	30	85 .000	.086	.050		0 .000	.000	.000		0	32	28	57	35	0	85
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	A	6	35	65 .000	.066	.038		0 .000	.000	.000		0	32	28	0	0	0	90
485	PIPELAYERS	A	12	30	35 .000	.000	.021		0 .000	.000	.000		0	0	32	0	0	0	75
485		S	10	30	45 .000	.000	.027		0 .000	.000	.000		0	0	32	0	0	0	85
	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	60
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	25	65 .000	.066	.038		65 .000	.066	.038		0	24	24	76	60	84	80
530	ROLLERS, VIBRATORY	A	8	25	90 .000	.091	.053		90 .000	.091	.053		0	24	24	76	60	84	100
540	SCRAPERS, STANDARD	A	10	20	60 .000	.000	.035		60 .000	.000	.035		0	0	27	59	33	65	60
540		S	8	20	78 .000	.000	.046		78 .000	.000	.046		0	0	27	39	19	43	65
542	SCRAPERS, TANDEM POWERED	A	10	20	62 .000	.000	.037		62 .000	.000	.037		0	0	25	59	33	65	65
542		S	8	20	81 .000	.000	.048		81 .000	.000	.048		0	0	25	39	19	43	70
	SCRAPERS, ELEVATING																		
545	O THRU 200 HP	A	10	25	66 .000	.000	.039		66 .000	.000	.039		0	0	34	59	33	65	75
545		S	8	25	86 .000	.000	.051		86 .000	.000	.051		0	0	34	39	19	43	80
550	OVER 200 HP	A	10	25	66 .000	.000	.039		66 .000	.000	.039		0	0	24	59	33	65	65
550		S	8	25	86 .000	.000	.051		86 .000	.000	.051		0	0	24	39	19	43	70
555	SCRAPERS, TRACTOR DRAWN	A	12	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	65	0	72	70
555		S	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	50	0	55	75
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED																		
570	O THRU 1 CY	A	11	20	60 .000	.061	.035		0 .000	.000	.000		0	18	18	0	0	0	70
570		S	9	20	78 .000	.079	.046		0 .000	.000	.000		0	18	18	0	0	0	80
585	OVER 1 CY THRU 2-1/2 CY	A	13	20	60 .000	.061	.035		0 .000	.000	.000		0	18	18	0	0	0	80
585		S	11	20	78 .000	.079	.046		0 .000	.000	.000		0	18	18	0	0	0	90
595	OVER 2-1/2 CY THRU 5 CY	A	16	20	60 .000	.061	.035		0 .000	.000	.000		0	18	18	0	0	0	90
595		S	14	20	78 .000	.079	.046		0 .000	.000	.000		0	18	18	0	0	0	100
600	OVER 5 CY	A	18	20	60 .000	.061	.035		0 .000	.000	.000		0	18	18	0	0	0	110
600		S	16	20	78 .000	.079	.046		0 .000	.000	.000		0	18	18	0	0	0	110
601	OVER 2-1/2 CY ELECTRIC	A	22	20	50 .500	.000	.000		0 .000	.000	.000		25	0	0	0	0	0	70
601		S	20	20	65 .650	.000	.000		0 .000	.000	.000		25	0	0	0	0	0	80

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES				
					H	P	E	G	D	H	P	E	G	D	E	G	D			
TRACTOR, CRAWLER TYPE																				
615	O THRU 225 HP	A	10	30	70	.000	.000	.041		0	.000	.000	.000	0	0	32	0	0	0	110
615		S	8	30	91	.000	.000	.054		0	.000	.000	.000	0	0	32	0	0	0	120
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	A	12	25	70	.000	.000	.041		0	.000	.000	.000	0	0	25	0	0	0	90
620		S	10	25	91	.000	.000	.054		0	.000	.000	.000	0	0	25	0	0	0	100
625	OVER 425 HP	A	14	20	70	.000	.000	.041		0	.000	.000	.000	0	0	22	0	0	0	90
625		S	12	20	91	.000	.000	.054		0	.000	.000	.000	0	0	22	0	0	0	100
630	TRACTOR, BLADES, PUSH BLOCKS,	A	10	20	0	.000	.000	.000		0	.000	.000	.000	0	0	0	0	0	0	80
630	PUSH PLATES & CLEARING BLADES	S	8	20	0	.000	.000	.000		0	.000	.000	.000	0	0	0	0	0	0	90
645	TRACTOR, WHEEL TYPE	A	10	25	65	.000	.066	.038		0	.000	.000	.000	0	24	28	73	44	0	60
645		S	8	25	85	.000	.086	.050		0	.000	.000	.000	0	24	28	38	21	0	65
650	TRENCHER	A	10	25	65	.000	.066	.038		0	.000	.000	.000	0	32	28	91	66	0	90
650		S	8	25	85	.000	.086	.050		0	.000	.000	.000	0	32	28	77	48	0	100
655	TRAILERS, BOTTOM DUMP AND END DUMP	A	10	20	0	.000	.000	.000		0	.000	.000	.000	0	0	0	0	0	0	65
655		S	8	20	0	.000	.000	.000		0	.000	.000	.000	0	0	0	0	0	0	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
TRUCK ACCESSORIES FOR CHASSIS MOUNTING																				
670	DUMP BODIES	A	8	20	0	.000	.000	.000		0	.000	.000	.000	0	0	0	0	0	0	70
670		S	6	20	0	.000	.000	.000		0	.000	.000	.000	0	0	0	0	0	0	80
675	ALL OTHER ACCESSORIES	A	8	20	65	.000	.066	.000		0	.000	.000	.000	0	32	0	0	0	0	70
TRUCK, HIGHWAY																				
690	O THRU 10,000 GVW	A	8	25	15	.000	.015	.009		0	.000	.000	.000	0	32	28	41	29	0	70
690		S	6	25	20	.000	.020	.012		0	.000	.000	.000	0	32	28	36	22	0	80
695	OVER 10,000 THRU 30,000 GVW	A	8	25	34	.000	.035	.020		0	.000	.000	.000	0	32	28	49	39	0	60
695		S	6	25	44	.000	.045	.026		0	.000	.000	.000	0	32	28	42	30	0	70
705	OVER 30,000 GVW	A	8	25	51	.000	.052	.030		0	.000	.000	.000	0	32	28	51	38	57	60
705		S	6	25	66	.000	.067	.039		0	.000	.000	.000	0	32	28	43	29	48	70
720	TRUCK, OFF-HIGHWAY	A	12	20	40	.000	.000	.024		0	.000	.000	.000	0	0	33	59	36	65	60
720		S	10	20	52	.000	.000	.031		0	.000	.000	.000	0	0	33	39	21	43	70
765	WAGON, BOTTOM & REAR DUMP	A	12	15	65	.000	.066	.038		0	.000	.000	.000	0	24	28	59	39	65	60
765		S	10	15	85	.000	.086	.050		0	.000	.000	.000	0	24	28	39	22	43	70
780	WAGON, WATER	A	12	35	65	.000	.066	.038		0	.000	.000	.000	0	24	28	73	55	81	60
780		S	10	35	85	.000	.086	.050		0	.000	.000	.000	0	24	28	56	40	62	65

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EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

CATEGORY	0	1	2	3	4	YEAR PURCHASE NEW			1975	1974	1973	1972	1971
						1978	1977	1976					
Air Equipment	1771	1675	1563	1630	1521	1354	1295	1186	1165	1028	935	920	929
Asphalt & Concrete Paving Equipment	2757	2636	2461	2296	2111	1941	1815	1686	1610	1451	1304	1263	1235
Buckets	4788	4548	4313	3879	3280	2963	2738	2520	2175	1838	1450	1370	1316
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3372	3219	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212
Drills	2940	2824	2602	2265	1993	1858	1699	1638	1559	1373	1249	1184	1160
Generators	3658	3448	3160	2817	2390	2301	2128	2053	1839	1456	1316	1283	1243
Graders, Motor	3767	3568	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208
Loaders, Track	3899	3660	3349	3061	2750	2482	2247	2053	1916	1573	1329	1281	1236
Loaders, Wheel	4004	3797	3441	2938	2606	2375	2156	2002	1907	1584	1362	1317	1261
Pile Driving Equipment	3584	3442	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218
Rollers	3533	3425	3199	2913	2653	2396	2139	1983	1872	1556	1328	1279	1230
Scrapers	3767	3568	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208
Shovels, Backhoes & Hydraulic Excavators	3372	3219	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212
Tractors, Crawler & Attachments	3899	3660	3349	3061	2750	2482	2247	2053	1916	1573	1329	1281	1236
Tractors, Wheel	3654	3536	3256	2927	2578	2319	2125	1956	1813	1498	1288	1251	1211
Trenchers	4508	4097	3618	3153	2772	2580	2300	1894	1633	1527	1384	1316	1284
Trucks, Highway	3001	2816	2638	2324	2108	1934	1775	1646	1524	1369	1230	1211	1185
Trucks & Wagons - Off Highway	3787	3667	3363	2964	2588	2364	2196	2081	1965	1568	1315	1293	1245
All Other Equipment	3584	3442	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218
All Tires & Tubes	2584	2555	2506	2369	2055	1792	1699	1615	1485	1334	1114	1092	1092

APPENDIX F

TIRE LIFE AND TIRE WEAR FACTORS

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

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/>			
<u>FINAL TIRE WEAR FACTORS</u>			
	Trailing (T-Tire)	0.65	0.43
	Front (F-Tire)	0.58	0.39
	Driver (D-Tire)		
	(Rear Dump)	0.39	0.22
	(Bottom Dump)	0.39	0.22
	(Self-Propelled Scrapers)	0.33	0.19

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

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.

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(5) Truck Crane 25 Ton and Larger.

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

(6) Excavators, Hydraulic.

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

(7) Grader.

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

(8) Belt Loader.

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

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

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

(10) Scraper.

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

(11) Tractor, Crawler.

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

(12) Tractor, Wheel Dozer.

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

(13) Trucks, Off-Highway.

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