



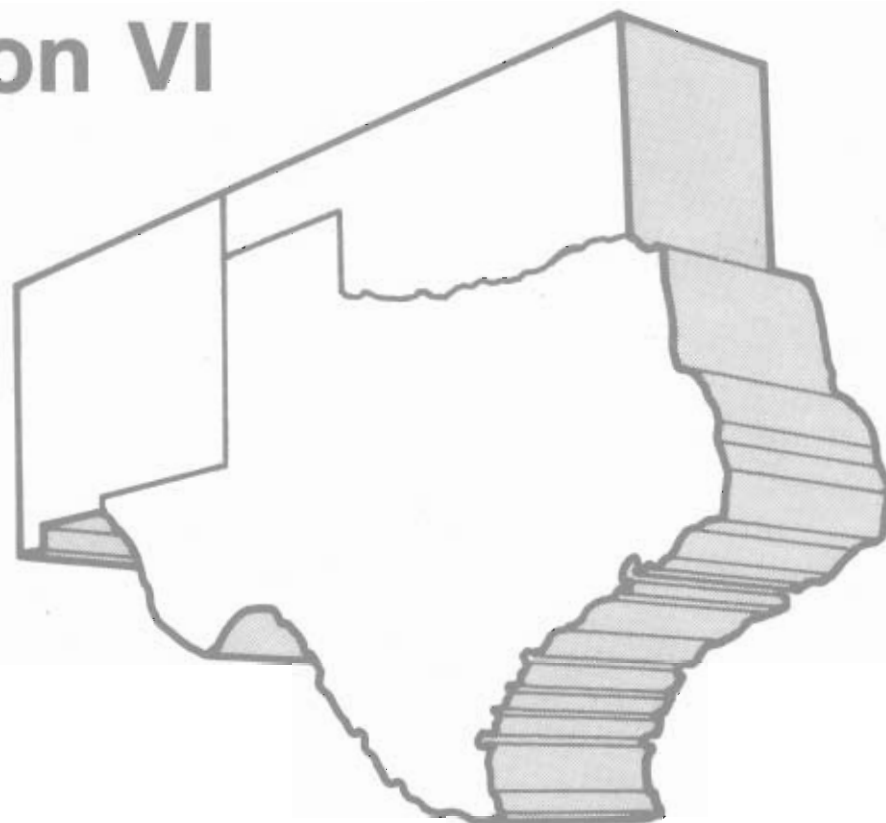
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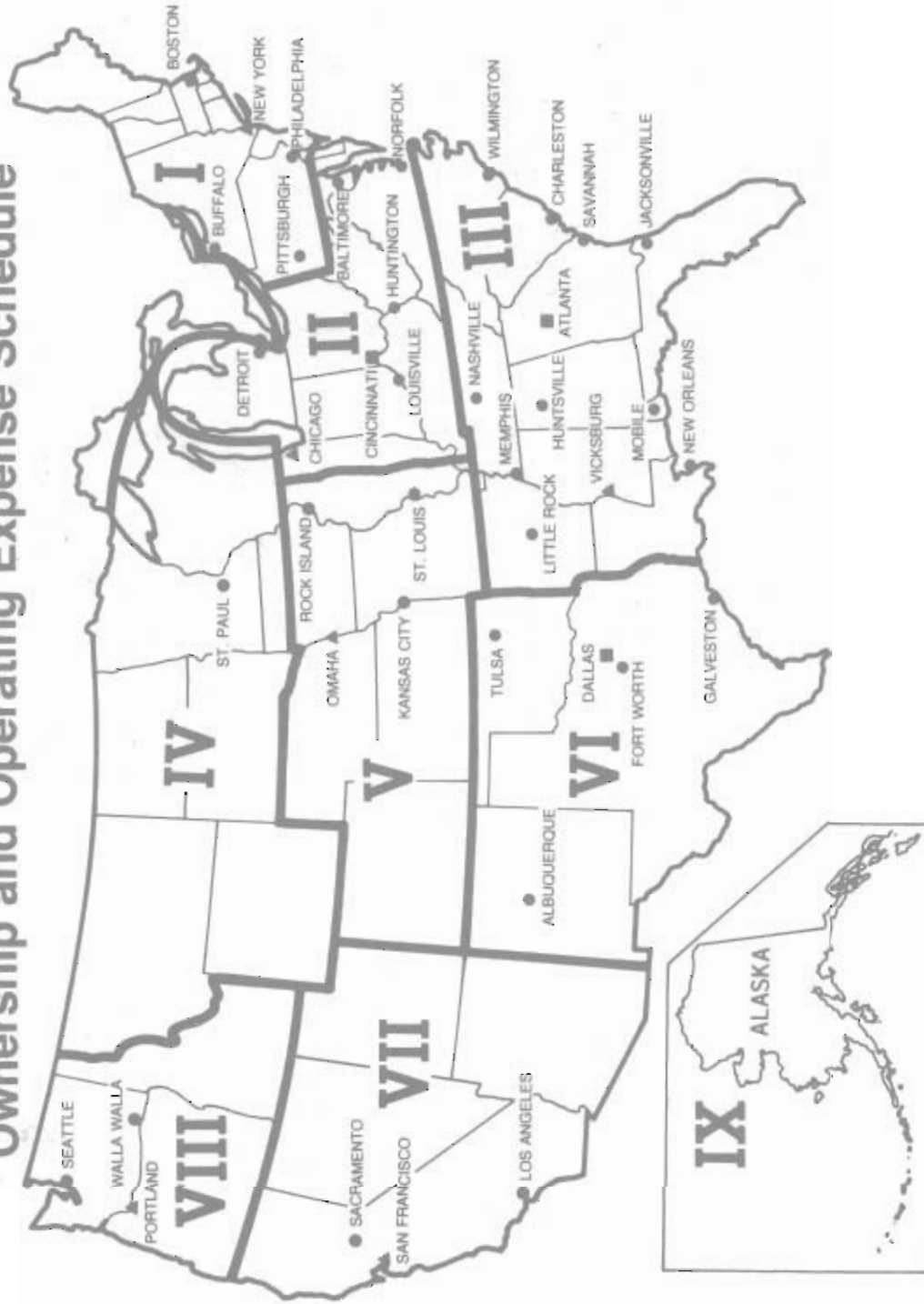
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June 1982

Construction Equipment Ownership and Operating Expense Schedule

Region VI



Regions for the Construction Equipment Ownership and Operating Expense Schedule



DAEN-CWE-BA
DAEN-MPE-S

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

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No. 1110-1-8

1 June 1982

Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

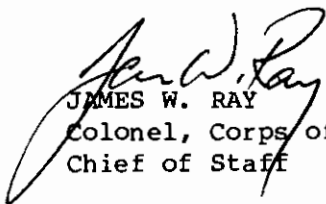
1. Purpose. This pamphlet establishes predetermined equipment ownership and operating expense rates for use in preparation of estimates and in pricing negotiated procurements requiring independent Government estimates.

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

New Mexico
Oklahoma
Texas

3. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead, or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 1980. 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-MPE-S

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

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CHAPTER 1

INTRODUCTION

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

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

New Mexico
Oklahoma
Texas

1-3. References. See APPENDIX A.

1-4. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead, or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 1980. 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 for all construction contracts (including dredging) and modifications requiring an independent Government estimate. This pamphlet shall also be used in pricing of contract modifications when:

- a. Cost or pricing data is not required.
- b. Cost or pricing data is required and actual cost data to support either ownership or operating costs for each piece of equipment or equipment groups of similar serial and series is not available.
- c. Cost or pricing data is required and available but all or part of the data is determined not to be in accordance with the cost principles of the 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 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 purchased new. The ownership costs shown in TABLE 3-1 represent the hourly costs for equipment purchased new on 1 July 1980.

(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 purchased new.

(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 (14.750%) 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 11.7% to avoid duplication when applying markups for overhead and profit.

$$\text{CFC/hr} = \frac{[(N-1)(1+S)+2] \text{ (Equipment Cost)} (11.7\%)}{2N \text{ (Work Hrs per Year)}}$$

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

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

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

d. Operating Cost.

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

(2) Fuel Consumption Cost.

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

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

where:

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

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

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

(4) Gasoline wt = 6.1 lbs per gallon

(5) Diesel wt = 7.1 lbs per gallon

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

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

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

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

(3) Filters, Oil and Grease Costs (FOG). "FOG" costs are computed as either a percentage of the hourly fuel costs (see APPENDIX D) or, if the equipment has no engine, a reasonable hourly cost is included. Labor, fringe benefits, and equipment costs for fueling, greasing, and servicing are included in the rate. Material costs for filters, oil, and grease include an allowance for all taxes. The "FOG" allowance for cranes, draglines, backhoes, and shovels (except self-propelled hydraulic cranes) has been reduced to allow for servicing normally performed by the oiler assigned to the piece of equipment.

(4) Maintenance and Repair Costs.

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

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

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

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

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

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

(5) Hourly Tire Cost.

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

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

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

FOR ILLUSTRATION PURPOSES ONLY
(Local reproduction authorized - blank masters available from local FMO)

CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET (EP 1110-1-8)	
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>2835</u>	
(1) Equipment Description <u>Lorain Truck Crane</u>	<u>50-Ton</u>
(2) Model and Series <u>MC-550 A</u>	<u>w/160' Boom</u>
(3) Year Purchased <u>1980</u>	(4) Year Purchased New <u>1980</u>
(5) Equipment Horsepower <u>115</u>	(6) Carrier Horsepower <u>246</u>
(7) Fuel Type <u>Diesel/Diesel</u>	(8) Shipping Weight <u>116,100 lbs.</u>
(9) Tire Size: Front- <u>1400x20-18PR</u> Drive- <u>1400x20-18PR</u> Trailing- <u>N/A</u>	
b. Key Number from APPENDIX D <u>225</u>	
(1) Condition <u>Average</u>	
(2) Salvage Value % <u>20 %</u>	(3) Life <u>18,000 Hrs.</u>
(4) Equipment Fuel Factor <u>.038</u>	(5) Carrier Fuel Factor <u>.006</u>
(6) FOG Factor: Gas <u>N/A</u> Diesel <u>.26</u> Electric <u>N/A</u>	
(7) Tire Wear Factor: Front <u>.95</u> Drive <u>.90</u> Trailing <u>N/A</u>	
(8) Repairs Cost Factor <u>.60</u>	
2. <u>EQUIPMENT COST</u>	
a. List Price When New (including extras) = \$ <u>295,739.⁰⁰</u>	
(1) Discount: (List Price) x *.75% *(17.5% for Highway Trucks)	
= (\$ <u>295,739.⁰⁰</u>) x *.075	= (-) \$ <u>22,180.⁴³</u>
(2) Freight: (Shipping Weight) x (Prep. and Del. Rate)	
From 1-a-(8) From APPENDIX B	
= (<u>6,111 cwt</u>) x (\$ <u>3.42</u>)	= (+) \$ <u>3,799.⁶²</u>
b. Subtotal: Summation of Part a. (Use actual cost when available) = \$ <u>277,358.¹⁹</u>	
(1) State Sales Tax: (Subtotal) x (Tax Rate)	
From 2-b	
= (\$ <u>277,358.¹⁹</u>) x (<u>.04</u>)	= (+) \$ <u>11,094.³³</u>
c. Equipment Cost: Summation of Part b. (Use actual cost when available) = \$ <u>288,452.⁵²</u>	

ENG FORM 4737-R, May 81

PREPARED BY: TRACON, W. L. G. AND M. L. G.

Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

$$\begin{aligned} & \text{(Life From 1-b-(3))} \div \text{(Hours Use/Year From APPENDIX B)} \\ & = (18,000 \text{ Hrs}) \div (1,700 \text{ Hrs/Yr}) = 10.59 \text{ Yrs.} \end{aligned}$$

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

$$\begin{aligned} & \text{(Economic Index for Present)} \div \text{(Economic Index for Year)} \\ & \text{Year From APPENDIX E} \quad \text{Purchased New From APP. E} \\ & = (3197) \div (2782) = 1.149 \text{ (EAF)} \end{aligned}$$

5. SALVAGE VALUE FACTOR (S)

$$\begin{aligned} & \text{(Salvage Factor)} \times \text{(EAF)} \\ & \text{From 1-b-(2)} \quad \text{From 4} \\ & = (.20) \times (1.149) = .230 \text{ (S)} \end{aligned}$$

6. OWNERSHIP COSTS

a. Depreciation:

$$\begin{aligned} & \text{Equipment} \quad \text{Life} \\ & [(\text{Cost From}) \times [1.0 - (\text{S From})] - (\text{Tire Cost})] \div \text{(From)} \\ & \text{2-c} \quad \text{5} \quad \text{When New} \quad \text{1-b-(3)} \\ & = [(\$288,453) \times [1.0 - (.230)] - (\$7,152)] \div (18,000 \text{ Hr}) = \$11.94/\text{Hr.} \end{aligned}$$

b. Cost of Facilities Capital (CFC):

$$\begin{aligned} & \text{Life} \quad \text{Life} \\ & (1) [((\text{From}) - 1.0) \times [(\text{S From}) + 1.0] + 2.0] \div [(\text{From}) \times 2.0] \\ & \quad \text{3} \quad \text{5} \quad \text{3} \\ & = [((10.59 \text{ Yrs}) - 1.0) \times [(.230) + 1.0] + 2.0] \div [(10.59 \text{ Yrs}) \times 2.0] = .6514 \end{aligned}$$

$$\begin{aligned} & \text{Equipment} \quad \text{Average} \quad \text{CFC Factor} \quad \text{Hrs Use/} \\ & (2) (\text{Cost From}) \times (\text{Value Factor}) \times (\text{From Para.}) \div (\text{Yr From}) \\ & \text{2-c} \quad \text{From 6-b-(1)} \quad \text{2-2.c.(2)} \quad \text{APP. B} \\ & = (\$288,453) \times (.6514) \times (.117) \div (1,700 \text{ Hrs/Yr}) = \$12.93/\text{Hr.} \end{aligned}$$

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

Figure 2-1. (Continued)

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

7. OPERATING COSTS

a. Fuel Costs:

$$\begin{aligned} (1) \text{ Equipment: } & \left(\begin{array}{c} \text{Equip Fuel Factor} \\ \text{From 1-b-(4)} \end{array} \right) \times \left(\begin{array}{c} \text{H.P. From} \\ \text{1-a-(5)} \end{array} \right) \times \left(\begin{array}{c} \text{Fuel Cost} \\ \text{Per Gal.} \end{array} \right) \\ & = (.038) \times (115 \text{ HP}) \times (\$1.05/\text{Gal}) = \$4.59/\text{Hr.} \end{aligned}$$

$$\begin{aligned} (2) \text{ Carrier: } & \left(\begin{array}{c} \text{Carrier Fuel Factor} \\ \text{From 1-b-(5)} \end{array} \right) \times \left(\begin{array}{c} \text{H.P. From} \\ \text{1-a-(6)} \end{array} \right) \times \left(\begin{array}{c} \text{Fuel Cost} \\ \text{Per Gal.} \end{array} \right) \\ & = (.006) \times (246 \text{ HP}) \times (\$1.16/\text{Gal}) = \$1.71/\text{Hr.} \end{aligned}$$

$$(3) \text{ Total Fuel Costs: } (\text{Sum 7-a-(1), 7-a-(2)}) = \$6.30/\text{Hr.}$$

b. FOG Costs:

$$\begin{aligned} (1) \text{ Equipment: } & \left(\begin{array}{c} \text{FOG Factor} \\ \text{From 1-b-(6)} \end{array} \right) \times \left(\begin{array}{c} \text{Hourly Fuel Cost} \\ \text{From 7-a-(1)} \end{array} \right) \\ & = (.26) \times (\$4.59/\text{Hr}) = \$1.19/\text{Hrs.} \end{aligned}$$

$$\begin{aligned} (2) \text{ Carrier: } & \left(\begin{array}{c} \text{FOG Factor} \\ \text{From 1-b-(6)} \end{array} \right) \times \left(\begin{array}{c} \text{Hourly Fuel Cost} \\ \text{From 7-a-(2)} \end{array} \right) \\ & = (.26) \times (\$1.71/\text{Hr}) = \$.44/\text{Hr.} \end{aligned}$$

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

c. Repairs Cost:

(1) Repair Factor:

$$\begin{aligned} & \left(\begin{array}{c} \text{Repairs Cost Factor} \\ \text{From 1-b-(8)} \end{array} \right) \times \left(\begin{array}{c} \text{EAF} \\ \text{From 4} \end{array} \right) \times \left(\begin{array}{c} \text{LAF From} \\ \text{APP. B} \end{array} \right) \\ & = (.60) \times (1.149) \times (.92) = .6342 \end{aligned}$$

(2) Hourly Repairs:

$$\begin{aligned} & \left(\begin{array}{c} \text{Equipment} \\ \text{[(Cost From) - (Tire Cost)]} \\ \text{2-c} \end{array} \right) \times \left(\begin{array}{c} \text{When New} \\ \text{From 7-c-(1)} \end{array} \right) \times \left(\begin{array}{c} \text{Repair Factor} \\ \text{From 7-c-(1)} \end{array} \right) \times \left(\begin{array}{c} \text{Life} \\ \text{From} \\ \text{1-b-(3)} \end{array} \right) \\ & = [(\$288,453) - (\$7,152)] \times (.6342) \div 18,000 \text{ Hr} = \$9.91/\text{Hr.} \end{aligned}$$

Figure 2-1. (Continued)

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

d. Tire Wear Costs:

$$\begin{array}{l} \text{(1) Front Tires: } 1.5 \times \begin{array}{c} \text{Front} \\ \text{(Tires)} \\ \text{Cost} \end{array} \div \begin{array}{c} \text{F-Tire} \\ \text{(Ptr Frm)} \\ \text{1-b-(7)} \end{array} \times \begin{array}{c} \text{Max Tire} \\ \text{(Life Frm)} \\ \text{Tbl F-1} \end{array} \\ = 1.5 \times (\$ \underline{2709}) \div [1.8 \times (\underline{.95}) \times (\underline{5000} \text{ Hr})] = \$ \underline{.48} / \text{Hr.} \end{array}$$

$$\begin{array}{l} \text{(2) Drive Tires: } 1.5 \times \begin{array}{c} \text{Drive} \\ \text{(Tires)} \\ \text{Cost} \end{array} \div \begin{array}{c} \text{D-Tire} \\ \text{(Ptr Frm)} \\ \text{1-b-(7)} \end{array} \times \begin{array}{c} \text{Max Tire} \\ \text{(Life Frm)} \\ \text{Tbl F-1} \end{array} \\ = 1.5 \times (\$ \underline{5418}) \div [1.8 \times (\underline{.90}) \times (\underline{5000} \text{ Hr})] = \$ \underline{1.00} / \text{Hr.} \end{array}$$

$$\begin{array}{l} \text{(3) Trailing Tires: } 1.5 \times \begin{array}{c} \text{Trlg} \\ \text{(Tires)} \\ \text{Cost} \end{array} \div \begin{array}{c} \text{T-Tire} \\ \text{(Ptr Frm)} \\ \text{1-b-(7)} \end{array} \times \begin{array}{c} \text{Max Tire} \\ \text{(Life Frm)} \\ \text{Tbl F-1} \end{array} \\ = 1.5 \times (\$ \underline{\hspace{1cm}}) \div [1.8 \times (\underline{\hspace{1cm}}) \times (\underline{\hspace{1cm}} \text{ Hr})] = \$ \underline{N/A} / \text{Hr.} \end{array}$$

$$\text{(4) Total Tire Wear Cost: (Sum 7-d-(1) thru (3))} = \$ \underline{1.48} / \text{Hr.}$$

$$\begin{array}{l} \text{e. Tire Repair Cost: (Tire Wear)} \times 0.15 \\ \text{Frm 7-d-(4)} \\ = (\$ \underline{1.48}) \times 0.15 = \$ \underline{.22} / \text{Hr.} \end{array}$$

$$\text{f. Total Operating Costs: (Sum 7-a thru 7-e)} = \$ \underline{19.54} / \text{Hr.}$$

8. TOTAL HOURLY RATES

$$\begin{array}{l} \text{a. Single Shift Hourly Rate: (40 Hours per Week)} \\ \text{(Ownership Costs Frm 6-c) + (Operating Costs Frm 7-f)} \\ = (\$ \underline{24.87} / \text{Hr}) + (\$ \underline{19.54} / \text{Hr}) = \$ \underline{44.41} / \text{Hr.} \end{array}$$

$$\begin{array}{l} \text{b. Hourly Rate for Other Work Shifts:} \\ \text{(Depreciation) + [(CFC Frm) x 40 + (Work Hrs)] + (Operating Costs)} \\ \text{From 6-a} \quad \quad \quad \text{6-b-(2)} \quad \quad \quad \text{Per Week} \quad \quad \quad \text{Frm 7-f} \\ = (\$ \underline{11.94} / \text{Hr}) + [(\$ \underline{12.93} / \text{Hr}) \times 40 \div (\underline{60} \text{ Hr/Wk})] + (\$ \underline{19.54} / \text{Hr}) = \$ \underline{40.10} / \text{Hr.} \end{array}$$

$$\begin{array}{l} \text{c. Hourly Standby Rate:} \\ \text{(Depreciation) x 0.25 + (CFC Frm)} \\ \text{From 6-a} \quad \quad \quad \text{6-b-(2)} \\ = (\$ \underline{11.94} / \text{Hr}) \times 0.25 + (\$ \underline{12.93} / \text{Hr}) = \$ \underline{15.92} / \text{Hr.} \end{array}$$

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, except that CFC is determined on an annual basis instead of an hourly basis and is expressed here as an annual percentage factor.

$$CFC = \frac{[(N-1)(1+S) + 2](11.7\%)}{2N}$$

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

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

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

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

c. Annual Use. Marine equipment is normally operated 24 hours per day, 7 days per week, and costs are usually kept on a monthly basis. This is the preferred basis; however, if an hourly or daily basis is used, the monthly cost should be divided by the actual number of hours or days the contractor is working. If actual time cannot be determined the monthly cost should be divided by 720 hours or 30 days. The 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

TYPE OF EQUIPMENT	LIFE (YRS)	SALVAGE VALUE FACTOR	PERCENT ANNUAL OWNERSHIP EXPENSE		
			DEPRE- CIATION	CFC	TOTAL
Hydraulic dredge, including hydraulic dredges used as Boosters:					
10-inch thru 14-inch	20	.05	4.75	6.42	11.17
16-inch thru 20-inch	25	.10	3.60	6.65	10.25
24-inch and over	30	.10	3.00	6.61	9.61
Booster & Barge:					
10-inch thru 14-inch	20	.05	4.75	6.42	11.17
16-inch thru 20-inch	25	.10	3.60	6.65	10.25
24-inch and over	30	.10	3.00	6.61	9.61
Dredge, Hopper	30	.10	3.00	6.61	9.61
Dredge, clamshell/ dragline	20	.05	4.75	6.42	11.17
Dredge, Dipper/Hyd Excav	25	.05	3.80	6.36	10.16
Bucket Dredge	30	.10	3.00	6.61	9.61
Dump Scows	20	.05	4.75	6.42	11.17
Barges:					
Fuel	20	.05	4.75	6.42	11.17
Water	20	.05	4.75	6.42	11.17
Equipment or Work	20	.05	4.75	6.42	11.17
Derrick	20	.10	4.50	6.70	11.20
Anchor	20	.05	4.75	6.42	11.17
Drill Boat or Barge	20	.10	4.50	6.70	11.20
Mooring Barge	20	.05	4.75	6.42	11.17
Tugs	20	.10	4.50	6.70	11.20
Tenders	20	.10	4.50	6.70	11.20
Launches	12	.05	7.92	6.61	14.53
Shore Pipeline (Average)	3	0	33.3	7.80	41.10
Floating Line:					
Pontoons	15	0	6.7	6.24	12.94
Pipeline/Joints (Avg)	10	0	10.0	6.44	16.44

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 2800 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

CATEGORY INDEX

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Asphalt Distributor.....	3-11
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TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE
(Continued)

CATEGORY INDEX (Continued)

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

CATEGORY INDEX (Continued)

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	AGGREGATE SPREADER *****									
	SELF PROPELLED									
1010	ETNYRE TO 8" DEPTH & 10' WIDE 187 HP G	43,601	23.21		2.86	5.32	11.35			155
1015	ETNYRE TO 8" DEPTH & 13' WIDE 135 HP D	48,003	15.32		3.15	5.86	4.25			160
	AIR COMPRESSORS PORTABLE ***** (HOSE NOT INCLUDED)									
	ROTARY SCREW									
1030	SIZE 85 CFM QUIET 100 PSI 47 HP G	7,260	6.36		0.48	0.88	3.69			17
1035	SIZE 85 CFM QUIET 100 PSI 38 HP D	10,278	4.05		0.68	1.25	1.52			20
1040	SIZE 100 CFM QUIET 100 PSI 50 HP G	9,690	7.18		0.64	1.18	3.93			20
1045	SIZE 100 CFM QUIET 100 PSI 44 HP D	11,625	4.64		0.77	1.42	1.76			23
1050	SIZE 125 CFM QUIET 100 PSI 70 HP G	11,071	9.52		0.73	1.34	5.50			24
1055	SIZE 125 CFM QUIET 100 PSI 51 HP D	12,988	5.26		0.85	1.58	2.03			26
1060	SIZE 150 CFM QUIET 100 PSI 70 HP G	13,736	10.07		0.91	1.67	5.50			26
1065	SIZE 150 CFM QUIET 100 PSI 69 HP D	16,131	6.82		1.06	1.96	2.75			28
1070	SIZE 185 CFM QUIET 100 PSI 70 HP G	14,911	10.32		0.99	1.82	5.50			27
1075	SIZE 185 CFM QUIET 100 PSI 69 HP D	17,574	7.12		1.16	2.14	2.75			29
1080	SIZE 340 CFM QUIET 100 PSI 103 HP D	34,153	12.26		2.26	4.16	4.11			55
1085	SIZE 450 CFM QUIET 100 PSI 144 HP D	45,249	16.63		2.98	5.51	5.75			80
1090	SIZE 600 CFM QUIET 100 PSI 175 HP D	57,407	20.71		3.79	7.01	6.98			111
1095	SIZE 750 CFM QUIET 100 PSI 228 HP D	72,659	26.54		4.80	8.87	9.10			120
1100	SIZE 825 CFM QUIET 100 PSI 250 HP D	75,778	28.29		5.01	9.26	9.97			127
1105	SIZE 900 CFM QUIET 100 PSI 270 HP D	79,268	30.03		5.23	9.68	10.77			148
1110	SIZE 1000 CFM QUIET 100 PSI 283 HP D	94,952	33.92		6.27	11.58	11.29			165
1115	SIZE 1200 CFM QUIET 100 PSI 325 HP D	104,152	37.94		6.87	12.70	12.97			192
1120	SIZE 1600 CFM QUIET 100 PSI 456 HP D	135,983	51.14		8.98	16.60	18.19			223

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	AIR TOOLS ***** (HOSE NOT INCLUDED) GARDNER DENVER									
1130	SPADER SP27E 32CFM A	922	0.61		0.10	0.23	0.00			1
1135	SINKER DRILL S58 98CFM A	2,024	1.31		0.21	0.52	0.00			1
1140	PAVING BREAKER B37 41CFM A	946	0.62		0.10	0.24	0.00			1
1145	PAVING BREAKER B67C 46CFM A	1,014	0.66		0.10	0.25	0.00			1
1150	PAVING BREAKER B87C 50CFM A	1,103	0.72		0.12	0.28	0.00			1
1155	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7 103CFM A	3,721	2.34		0.39	0.95	0.00			1
	SANDBLASTERS CLEMCO									
1165	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC AND 25' HOSE	1,295	0.83		0.14	0.33	0.00			3
1170	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC AND 50' HOSE	2,420	1.50		0.25	0.61	0.00			5
1175	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,442	1.52		0.25	0.62	0.00			6
1180	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	2,712	1.73		0.28	0.68	0.00			7
1185	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	3,608	2.27		0.37	0.91	0.00			9
1190	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	10,481	6.42		1.07	2.60	0.00			28
1195	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	12,664	7.67		1.27	3.06	0.00			45
1200	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	15,744	9.61		1.58	3.84	0.00			53
	CONCRETE VIBRATORS-MASTER									
1210	CONCRETE VIBRATOR MOD A-600SH 6" 125CFM A	1,798	1.64		0.19	0.46	0.00			1
1215	CONCRETE VIBRATOR MOD A-450SH 4.5 110CFM A	1,154	1.07		0.12	0.29	0.00			1
1220	CONCRETE VIBRATOR MOD A-35010 3.5 82CFM A	1,036	0.94		0.10	0.26	0.00			1
1225	CONCRETE VIBRATOR MOD A-30010 3" 64CFM A	935	0.84		0.10	0.24	0.00			1
1230	CONCRETE VIBRATOR MOD A-25010 2.5 40CFM A	733	0.67		0.08	0.19	0.00			1

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	ASPHALT DISTRIBUTOR-ROSCO ***** (NO CHASSIS)									
1240	MOD RES 1000 GAL. TRUCK MOUNTED 50 HP G 18,000 TO 24,000 GVW REQUIRED	21,975	9.68		1.46	2.55	3.93			72
1245	MOD RES 1500 GAL. TRUCK MOUNTED 50 HP G 24,000 TO 32,000 GVW REQUIRED	22,798	9.85		1.52	2.65	3.93			75
1250	MOD RES 2000 GAL. TRUCK MOUNTED 50 HP G 32,000 GVW REQUIRED	24,455	10.19		1.63	2.84	3.93			87
1255	MOD RES 3000 GAL. TRUCK MOUNTED 50 HP G 42,000 GVW REQUIRED	28,153	10.94		1.88	3.27	3.93			109
	ASPHALT FINISHERS-BARBER GREENE *****									
1265	MOD SB111 8'-12' WIDE (PNEUMATIC) 70 HP D	75,258	20.62		4.91	9.11	2.79			165
1270	MOD SB131 10'-12' WIDE (P'MATIC) 95 HP D W/VIB SCREED,AUTO. FEEDERS AND GR CONTROL	109,390	29.50		7.15	13.27	3.79			258
1275	MOD SB140 10'-12' WIDE (P'MATIC) 130 HP D OPTIONS SAME AS MOD SB131	125,396	34.93		8.21	15.25	5.19			325
1280	MOD SA150 10'-12' WIDE (CRAWLER) 130 HP D OPTIONS SAME AS MOD SB131	150,999	39.48		9.97	18.74	5.19			375
	BROOMS M-B *****									
1290	MOD 53T HYD 7 FT. TOWED MECH/DRIVE W/SPRINKLER	4,825	1.22		0.32	0.59	0.00			24
1295	MOD 53-M 7 FT. TOWED 30 HP G MOTOR/DRIVEN W/SPRINKLER	6,461	4.36		0.42	0.79	2.36			30
1300	MOD MT 7 FT. TRACTOR/MOUNTED PTO/DRIVE W/SPRINKLER/	2,206	0.64		0.14	0.27	0.00			10
1305	MOD HT 7 FT. TRACTOR/MOUNTED HYD/DRIVE W/SPRINKLER	3,698	0.91		0.24	0.45	0.00			14
	BRUSH CHIPPERS - FITCHBERG *****									
1315	MOD TWC-612 CAP. TO 6" DIA. LOG 151 HP G	9,307	12.98		0.62	1.14	8.27			40
1320	MOD TWC-915 CAP. TO 9" DIA. LOG 165 HP G	10,694	14.29		0.70	1.31	9.03			42
1325	MOD PT-540 CAP. TO 6" PTO/DRIVE	4,590	1.02		0.31	0.57	0.00			15

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	BUCKETS-CLAMSHELL *****									
	GENERAL PURPOSE - SQUARE NOSE ESCO MODEL GPS									
1335	.75 C.Y.	8,019	1.65	2.09	0.53	0.99	0.00	1.16	0.00	33
1340	1.0 C.Y.	9,363	1.94	2.44	0.62	1.17	0.00	1.36	0.00	43
1345	1.5 C.Y.	13,767	2.84	3.59	0.91	1.71	0.00	2.00	0.00	65
1350	2.0 C.Y.	15,575	3.22	4.05	1.03	1.94	0.00	2.25	0.00	72
1355	2.5 C.Y.	20,297	4.20	5.29	1.35	2.53	0.00	2.94	0.00	94
1360	3.0 C.Y.	21,499	4.44	5.61	1.42	2.67	0.00	3.12	0.00	99
1365	3.5 C.Y.	21,997	4.55	5.73	1.46	2.74	0.00	3.18	0.00	110
1370	4.0 C.Y.	24,217	5.00	6.31	1.60	3.01	0.00	3.51	0.00	120
1375	4.5 C.Y.	26,181	5.41	6.82	1.73	3.25	0.00	3.79	0.00	132
1380	5.0 C.Y.	28,357	5.86	7.39	1.87	3.52	0.00	4.11	0.00	146
1385	5.5 C.Y.	30,603	6.33	7.97	2.03	3.81	0.00	4.43	0.00	158
1390	6.0 C.Y.	31,682	6.55	8.25	2.10	3.94	0.00	4.58	0.00	166
1395	6.5 C.Y.	34,264	7.08	8.93	2.27	4.26	0.00	4.96	0.00	177
1400	7.0 C.Y.	35,283	7.30	9.20	2.34	4.39	0.00	5.11	0.00	185
1405	7.5 C.Y.	36,610	7.57	9.54	2.42	4.55	0.00	5.30	0.00	192
	HEAVY DUTY - SQUARE NOSE ESCO MODEL HDS									
1415	.75 C.Y.	8,394	1.73	2.18	0.55	1.04	0.00	1.21	0.00	35
1420	1.0 C.Y.	11,363	2.35	2.96	0.75	1.41	0.00	1.64	0.00	49
1425	1.5 C.Y.	16,519	3.41	4.30	1.09	2.05	0.00	2.39	0.00	74
1430	2.0 C.Y.	17,821	3.68	4.64	1.18	2.21	0.00	2.58	0.00	82
1435	2.5 C.Y.	22,649	4.69	5.90	1.50	2.82	0.00	3.28	0.00	105
1440	3.0 C.Y.	24,766	5.12	6.45	1.64	3.08	0.00	3.58	0.00	116
1445	3.5 C.Y.	26,715	5.52	6.96	1.77	3.32	0.00	3.87	0.00	126
1450	4.0 C.Y.	28,709	5.93	7.49	1.90	3.57	0.00	4.16	0.00	137
1455	4.5 C.Y.	30,820	6.37	8.03	2.04	3.83	0.00	4.46	0.00	147

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	BUCKETS-CLAMSHELL (CONT'D) *****									
	HEAVY DUTY - SQUARE NOSE (CONT'D) ESCO MODEL HDS									
1460	5.0 C.Y.	33,917	7.00	8.84	2.24	4.21	0.00	4.91	0.00	163
1465	5.5 C.Y.	35,784	7.40	9.32	2.37	4.45	0.00	5.18	0.00	172
1470	6.0 C.Y.	37,854	7.83	9.86	2.51	4.71	0.00	5.48	0.00	182
1475	6.5 C.Y.	39,455	8.15	10.29	2.61	4.90	0.00	5.72	0.00	193
1480	7.0 C.Y.	41,097	8.49	10.71	2.72	5.11	0.00	5.95	0.00	201
1485	7.5 C.Y.	42,726	8.83	11.14	2.82	5.31	0.00	6.19	0.00	209
	EXTRA HEAVY DUTY - SQUARE NOSE ESCO MODEL XDS									
1495	.75 C.Y.	12,733	2.63	3.32	0.84	1.58	0.00	1.85	0.00	52
1500	1.0 C.Y.	12,986	2.69	3.38	0.86	1.62	0.00	1.88	0.00	58
1505	1.5 C.Y.	19,293	3.99	5.02	1.28	2.40	0.00	2.79	0.00	85
1510	2.0 C.Y.	23,336	4.82	6.08	1.54	2.90	0.00	3.38	0.00	103
1515	2.5 C.Y.	26,039	5.37	6.79	1.72	3.23	0.00	3.77	0.00	119
1520	3.0 C.Y.	28,281	5.85	7.37	1.87	3.52	0.00	4.09	0.00	135
1525	3.5 C.Y.	29,735	6.15	7.74	1.97	3.70	0.00	4.30	0.00	149
1530	4.0 C.Y.	31,495	6.50	8.22	2.08	3.91	0.00	4.57	0.00	158
1535	4.5 C.Y.	32,985	6.82	8.60	2.18	4.10	0.00	4.78	0.00	168
1540	5.0 C.Y.	35,372	7.31	9.22	2.34	4.40	0.00	5.12	0.00	181
1545	5.5 C.Y.	37,449	7.74	9.76	2.48	4.66	0.00	5.42	0.00	193
1550	6.0 C.Y.	39,367	8.14	10.26	2.61	4.90	0.00	5.70	0.00	203
1555	6.5 C.Y.	42,652	8.81	11.12	2.82	5.30	0.00	6.18	0.00	220
1560	7.0 C.Y.	43,931	9.08	11.45	2.90	5.46	0.00	6.36	0.00	230
1565	7.5 C.Y.	46,013	9.51	11.99	3.04	5.72	0.00	6.66	0.00	241

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	BUCKETS-CONCRETE-GAR-BRO *****									
	GENERAL PURPOSE - MANUAL									
1575	433-G 1.0 C.Y.	1,210	0.25		0.08	0.15	0.00			6
1580	442-G 1.5 C.Y.	1,513	0.31		0.10	0.19	0.00			8
1585	462-G 2.0 C.Y.	1,969	0.40		0.13	0.24	0.00			11
1590	493-G 3.0 C.Y.	2,796	0.58		0.19	0.35	0.00			19
1595	4123-G 4.0 C.Y.	3,537	0.73		0.24	0.44	0.00			23
	GENERAL PURPOSE - LOW SLUMP - AIR									
1605	440-A 1.0 C.Y.	5,253	1.09		0.35	0.66	0.00			19
1610	450-A 1.5 C.Y.	5,467	1.13		0.37	0.68	0.00			21
1615	460-A 2.0 C.Y.	5,676	1.17		0.37	0.70	0.00			23
1620	493-A 3.0 C.Y.	7,440	1.54		0.50	0.93	0.00			42
1625	4139-A 4.0 C.Y.	7,728	1.60		0.51	0.96	0.00			52
1630	4200-A 6.0 C.Y. DBL. COMPT.	11,175	2.31		0.74	1.39	0.00			72
1635	4250-A 8.0 C.Y. DBL. COMPT.	13,374	2.76		0.88	1.66	0.00			80
	LAYDOWN - HEAVY DUTY - CLAM GATE AIR									
1645	425-A 1.0 C.Y.	6,002	1.24		0.40	0.75	0.00			26
1650	465-A 2.0 C.Y.	6,798	1.41		0.45	0.85	0.00			31
1655	495-A 3.0 C.Y.	7,760	1.60		0.51	0.96	0.00			40
1660	4125-A 4.0 C.Y.	8,634	1.78		0.57	1.07	0.00			49
1665	4155-A 5.0 C.Y.	10,110	2.08		0.67	1.25	0.00			60
	BUCKETS-DRAGLINE *****									
	LIGHT WEIGHT - PERFORATED HENDRIX MODEL LS									
1680	.75 C.Y.	2,691	0.56	0.70	0.18	0.34	0.00	0.39	0.00	15
1685	1.0 C.Y.	3,191	0.66	0.83	0.21	0.40	0.00	0.46	0.00	18
1690	1.5 C.Y.	3,896	0.80	1.02	0.26	0.48	0.00	0.57	0.00	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	
	BUCKETS-DAGLINE (CONT'D) *****									
	LIGHT WEIGHT - PERFORATED (CONT'D) HENDRIX MODEL LS									
1695	2.0 C.Y.	4,603	0.95	1.20	0.30	0.57	0.00	0.67	0.00	32
1700	2.5 C.Y.	5,405	1.12	1.41	0.36	0.67	0.00	0.78	0.00	37
1705	3.0 C.Y.	6,665	1.38	1.74	0.44	0.83	0.00	0.97	0.00	46
1710	3.5 C.Y.	7,374	1.52	1.92	0.48	0.91	0.00	1.07	0.00	50
1715	4.0 C.Y.	8,982	1.86	2.34	0.60	1.12	0.00	1.30	0.00	65
1720	4.5 C.Y.	9,537	1.97	2.49	0.63	1.18	0.00	1.39	0.00	69
1725	5.0 C.Y.	11,510	2.38	3.00	0.76	1.43	0.00	1.67	0.00	85
1730	6.0 C.Y.	12,479	2.58	3.26	0.82	1.55	0.00	1.81	0.00	90
1735	7.0 C.Y.	13,644	2.82	3.55	0.91	1.70	0.00	1.97	0.00	101
1740	8.0 C.Y.	15,126	3.13	3.94	1.00	1.88	0.00	2.19	0.00	112
1745	9.0 C.Y.	17,470	3.62	4.54	1.16	2.18	0.00	2.52	0.00	128
1750	10.0 C.Y.	18,983	3.92	4.95	1.26	2.36	0.00	2.75	0.00	139
1755	12.0 C.Y.	23,337	4.82	6.08	1.54	2.90	0.00	3.38	0.00	166
1760	14.0 C.Y.	26,834	5.54	6.99	1.77	3.33	0.00	3.88	0.00	191
	MEDIUM WEIGHT - HENDRIX MODEL TS									
1770	.75 C.Y.	3,136	0.65	0.81	0.21	0.39	0.00	0.45	0.00	17
1775	1.0 C.Y.	3,855	0.80	1.00	0.26	0.48	0.00	0.55	0.00	19
1780	1.5 C.Y.	4,753	0.98	1.24	0.31	0.59	0.00	0.69	0.00	28
1785	2.0 C.Y.	5,668	1.17	1.48	0.37	0.70	0.00	0.82	0.00	36
1790	2.5 C.Y.	6,534	1.35	1.70	0.43	0.81	0.00	0.94	0.00	41
1795	3.0 C.Y.	7,810	1.61	2.03	0.51	0.97	0.00	1.13	0.00	49
1800	3.5 C.Y.	8,627	1.78	2.25	0.57	1.07	0.00	1.25	0.00	54
1805	4.0 C.Y.	10,353	2.13	2.69	0.68	1.28	0.00	1.49	0.00	70
1810	4.5 C.Y.	11,076	2.29	2.88	0.74	1.38	0.00	1.60	0.00	72
1815	5.0 C.Y.	14,196	2.93	3.70	0.94	1.76	0.00	2.06	0.00	93
1820	6.0 C.Y.	14,670	3.03	3.82	0.97	1.82	0.00	2.12	0.00	96

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

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

	MEDIUM WT. - HENDRIX MODEL TS CONT'D									
1825	7.0 C.Y.	16,744	3.46	4.36	1.11	2.08	0.00	2.42	0.00	111
1830	8.0 C.Y.	18,436	3.81	4.81	1.22	2.29	0.00	2.67	0.00	122
1835	9.0 C.Y.	22,070	4.56	5.75	1.46	2.74	0.00	3.19	0.00	149
1840	10.0 C.Y.	23,502	4.86	6.12	1.56	2.92	0.00	3.40	0.00	159
1845	12.0 C.Y.	29,953	6.19	7.81	1.98	3.72	0.00	4.34	0.00	202
1850	14.0 C.Y.	33,353	6.90	8.69	2.21	4.15	0.00	4.83	0.00	225
	HEAVY WEIGHT - HENDRIX MODEL MH-S									
1860	2.75 C.Y.	12,535	2.58	3.27	0.82	1.55	0.00	1.82	0.00	69
1865	3.0 C.Y.	13,036	2.69	3.39	0.86	1.62	0.00	1.88	0.00	72
1870	3.5 C.Y.	14,596	3.01	3.81	0.96	1.81	0.00	2.12	0.00	81
1875	4.0 C.Y.	19,520	4.04	5.08	1.29	2.43	0.00	2.82	0.00	110
1880	4.5 C.Y.	21,824	4.51	5.69	1.44	2.71	0.00	3.16	0.00	123
1885	5.0 C.Y.	22,536	4.66	5.88	1.49	2.80	0.00	3.27	0.00	127
1890	6.0 C.Y.	24,132	4.99	6.29	1.60	3.00	0.00	3.49	0.00	136
1895	7.0 C.Y.	30,680	6.34	8.00	2.03	3.81	0.00	4.45	0.00	175
1900	8.0 C.Y.	31,555	6.52	8.22	2.08	3.92	0.00	4.57	0.00	180
1905	9.0 C.Y.	40,129	8.29	10.46	2.65	4.98	0.00	5.81	0.00	234
1910	10.0 C.Y.	41,671	8.60	10.86	2.75	5.17	0.00	6.03	0.00	243
1915	12.0 C.Y.	49,562	10.24	12.92	3.27	6.16	0.00	7.18	0.00	289
1920	14.0 C.Y.	52,840	10.92	13.78	3.50	6.57	0.00	7.66	0.00	309
	COMPACTORS MANUALLY OPERATED									

1930	UR-12 I-R RAMMER	3 HP G	1,532	0.91	0.13	0.28	0.32			1
1935	GVR75Y WACKER RAMMER	3 HP G	1,205	0.80	0.10	0.22	0.32			1
1940	GVR100 WACKER RAMMER	5 HP G	1,639	1.22	0.14	0.30	0.54			1
1945	GVR151Y WACKER RAMMER	5 HP G	2,118	1.37	0.17	0.38	0.54			2

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	COMPACTORS MANUALLY OPERATED (CONT'D) *****									
1950	GVR220Y WACKER RAMMER 6 HP G	2,739	1.73		0.22	0.50	0.65			2
1955	VPG160B WACKER VIBRO PLATE 3 HP G	1,060	0.75		0.09	0.19	0.32			2
1960	VPG260K WACKER VIBRO PLATE 7 HP G	1,726	1.51		0.14	0.31	0.76			3
1965	VPG600 WACKER VIBRO PLATE 9 HP G	3,115	2.24		0.26	0.57	0.97			7
1970	DPS2350 WACKER VIBRO PLATE 7 HP D	3,300	1.58		0.27	0.60	0.39			4
1975	DPS4570 WACKER VIBRO PLATE 10 HP D	5,340	2.47		0.44	0.97	0.56			8
1980	DVU4001 WACKER VIBRO PLATE 10 HP D	10,934	4.35		0.91	2.00	0.56			13
1985	W 55 T WACKER D/D ROLLER 8 HP D	10,509	4.08		0.87	1.92	0.45			17
199C	W 74 T WACKER D/D ROLLER 8 HP D	11,861	4.53		0.98	2.16	0.45			19
	CONCRETE BUGGIES - REMINGTON *****									
2000	10 CF WALK-BEHIND 8 HP G	2,232	1.36		0.14	0.27	0.68			6
	CONCRETE PAVERS *****									
	CMI									
2010	MOD SF - 175 SLIPFORM PAVER 142 HP D CURBS, MEDIANS,& SIDEWALK	121,306	33.65		8.02	15.06	5.67			263
2015	MOD SF - 250 26' WIDE SLIPFORM 208 HP D UNIT, 0-80 FT/MIN, CRAWLER MTD.	217,070	57.84		14.34	26.95	8.30			470
2020	MOD SUBURBAN 25' WIDE SLIPFORM 250 HP D UNIT, 0-60 FT/MIN, CRAWLER MTD.	382,551	95.98		25.28	47.50	9.97			720
	GOMACO									
2030	MOD C-650 24' WIDE FORM PAVER 50 HP G W/4' FINISHING CYLINDERS	22,541	10.12		1.48	2.78	3.93			91
2035	MOD HW-165 16'-6" WIDE SLIPFORM 100 HP D UNIT, AUTO VIBRATORS, CRLR MTD	103,951	27.72		6.86	12.90	3.99			240

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE CCND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP		FUEL
	CONCRETE PLACERS *****									
	SHOTCRETE EQUIPMENT									
2045	PLACE 1 TO 5 CY/HR 275CFM A	10,160	2.31		0.68	1.26	0.00			7
2050	PLACE 5.5 TO 10 CY/HR 450CFM A	18,627	4.09		1.24	2.30	0.00			13
2055	PLACE 5 TO 22 CY/HR 675CFM A	26,646	5.78		1.76	3.29	0.00			19
	CONCRETE PUMPS - CHALLENGE-COOK									
2065	MOD 700 1" AGG 70 CY/HR 128 HP D REQUIRES 15,000 GVW TRUCK	47,373	22.23		3.41	6.80	7.53			84
2070	MOD TITAN4000 TR'L MT'D 100 CY/HR 240 HP D	75,945	38.24		5.46	10.90	14.11			134
2075	HYDRAULIC BOOM 60' VERT 52'RAD REQUIRES 20,000 GVW TRUCK FOR BOOM ONLY OR 43,000 GVW WITH PUMP	34,464	9.39		2.48	4.95	0.00			59
	CRANE-SHOVEL-BACKHOE-DRAGLINE *****									
	CRAWLER TYPE-AMERICAN									
	MOD 4120 DRAGLINE 1 CY 93 HP D 13'-8" CRAWLERS W/28" SHOES									
2085	DRAGLINE OR CLAMSHELL (LESS BUCKET)	140,936	27.69	33.75	8.75	15.54	2.93	17.45	3.71	609
	MOD 597-C 1.25 CY T/C 129 HP D 14'-7" CRAWLERS W/32" SHOES									
2090	DRAGLINE OR CLAMSHELL (LESS BUCKET)	202,884	35.85	42.24	11.81	19.62	4.06	21.31	5.15	814
2095	CRANE 35-T W/70' BOOM	202,233	31.94	36.89	11.77	19.55	3.25	21.24	4.20	803
	MOD 599-C LIFTING CRANE T/C 129 HP D 16'-0" CRAWLERS W/32" SHOES									
2105	CRANE 40-T W/80' BOOM	213,244	33.48	38.62	12.41	20.62	3.25	22.39	4.20	962
	MOD 5299 LIFTING CRANE T/C 129 HP D 17'-6" CRAWLERS W/32" SHOES									
2115	CRANE 50-T W/80' BOOM	231,708	36.04	41.55	13.48	22.40	3.25	24.34	4.20	1088

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	CRANE-SHOVEL-BACKHOE-DRAGLINE CONT'D *****									
	CRAWLER TYPE-AMERICAN (CONT'D)									
	MOD 797-C 2 CY T/C 205 HP D 17'-6" CRAWLERS W/33" SHOES									
2125	DRAGLINE OR CLAMSHELL (LESS BUCKET)	271,084	49.12	57.96	15.77	26.21	6.46	28.47	8.18	1278
2130	CRANE 40-T W/80' BOOM	267,047	43.20	50.04	15.53	25.81	5.17	28.05	6.67	1262
	MOD 7250 STEEL ERECTOR T/C 205 HP D 17'-6" CRAWLERS W/33" SHOES									
2140	CRANE 60-T W/80' BOOM	288,809	43.28	49.12	16.04	25.31	5.17	26.94	6.67	1421
	MOD 7260 LIFTING CRANE T/C 205 HP D 19'-6" CRAWLERS W/38" SHOES									
2150	CRANE 100T W/200' BOOM	371,723	53.94	60.96	20.64	32.56	5.17	34.67	6.67	1886
	MOD 999-C STEEL ERECTOR T/C 289 HP D 23'-9" CRAWLERS W/44" SHOES									
2160	CRANE 110-T W/200' BOOM	486,042	71.16	80.53	26.99	42.59	7.28	45.34	9.41	2792
	MOD 9260 4.5 CY T/C 289 HP D 23'-9" CRAWLERS W/38" SHOES									
2170	CRANE 125T W/270' BOOM	514,741	74.84	84.62	28.58	45.09	7.28	48.01	9.41	3025
2175	DRAGLINE OR CLAMSHELL (LESS BUCKET)	492,662	79.94	92.11	27.35	43.16	9.10	45.95	11.53	2619
	MOD 9270 LIFT CR TAPERED TIP T/C 289 HP D 23'-9" CRAWLERS W/44" SHOES									
2185	CRANE 150T W/280' BOOM	564,185	81.22	91.69	31.33	49.43	7.28	52.63	9.41	3400
	MOD 9299 LIFTING CRANE T/C 289 HP D 24'-11" CRAWLERS W/50" SHOES									
2195	CRANE 165T W/290' BOOM	593,750	83.03	92.75	32.19	49.33	7.28	52.01	9.41	3580
	MOD 9310 LIFTING CRANE T/C 289 HP D 28'-2" CRAWLERS W/50" SHOES									
2205	CRANE 225T W/320' BOOM	695,266	95.75	106.72	37.68	57.76	7.28	60.91	9.41	3990

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	CRANE-SHOVEL-BACKHOE-DRAGLINE CONT'D *****									
	CRAWLER TYPE-BUCYRUS ERIE									
	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES									
2220	DRAGLINE OR CLAMSHELL (LESS BUCKET)	162,223	32.15	39.23	10.07	17.88	3.62	20.09	4.59	671
2225	CRANE 28-T W/50' BOOM	160,694	25.75	29.78	9.34	15.53	2.90	16.88	3.74	674
	MOD 30-B SER 4 HVY DUTY 1.5 CY 144 HP D 14'-9" CRAWLERS W/30" SHOES									
2235	BACKHOE	230,969	47.41	57.30	14.00	24.26	5.29	26.89	6.96	787
2240	DRAGLINE OR CLAMSHELL (LESS BUCKET)	221,497	39.26	46.25	12.88	21.41	4.54	23.26	5.75	832
2245	CRANE 35-T W/60' BOOM	218,286	34.61	39.99	12.69	21.10	3.63	22.92	4.69	831
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES									
2255	SHOVEL	324,102	65.48	79.03	19.64	34.04	6.54	37.73	8.60	1298
2260	DRAGLINE OR CLAMSHELL (LESS BUCKET)	305,802	53.42	62.88	17.79	29.56	5.61	32.12	7.10	1226
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES									
2270	SHOVEL	459,825	82.15	96.12	26.28	42.88	7.53	46.24	9.90	1691
2275	BACKHOE	440,621	79.11	92.59	25.19	41.10	7.53	44.31	9.90	1751
2280	DRAGLINE OR CLAMSHELL (LESS BUCKET)	418,242	66.38	76.30	23.23	36.65	6.46	39.01	8.18	1523
2285	CRANE 51-T W/70' BOOM	409,294	58.79	66.32	22.73	35.86	5.17	38.17	6.67	1536
	MOD 61-B SER-2 110-T 4 CY T/C 243 HP D 20'-6" CRAWLERS W/42" SHOES									
2295	CRANE 110T W/160' BOOM	522,735	72.76	81.23	28.33	43.43	6.12	45.80	7.91	2182
2300	DRAGLINE OR CLAMSHELL (LESS BUCKET)	492,310	78.18	89.90	27.34	43.13	7.65	45.92	9.70	2010
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2310	SHOVEL	522,648	93.96	109.99	29.88	48.75	9.04	52.55	11.88	2196
2315	BACKHOE	495,319	89.60	104.98	28.32	46.20	9.04	49.81	11.88	2100

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	
	CRANE-SHOVEL-BACKHOE-DAGLINE CONT'D *****									
	CRAWLER TYPE-BUCYRUS ERIE (CONT'D)									
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2320	DAGLINE OR CLAMSHELL (LESS BUCKET)	469,045	75.02	86.33	26.04	41.09	7.75	43.75	9.82	1736
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES									
2330	SHOVEL	733,408	127.45	147.35	40.72	64.25	13.41	68.40	17.63	2822
2335	DAGLINE OR CLAMSHELL (LESS BUCKET)	622,140	98.15	111.89	33.72	51.69	11.50	54.51	14.56	2274
	CRAWLER TYPE-LINK BELT (FMC)									
	MCD LS-98A LIFTING CRANE T/C 118 HP D 15'-1" CRAWLERS W/24" SHOES									
2350	CRANE 40-T W/50' BOOM	166,988	26.71	30.90	9.71	16.14	2.97	17.54	3.84	772
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES									
2360	CRANE 60-T W/80' BOOM	240,085	38.27	44.24	13.96	23.21	4.16	25.21	5.37	1232
	MOD LS-338 LIFTING CRANE T/C 208 HP D 20'-0" CRAWLERS W/38" SHOES									
2370	CRANE 100-T W/20C' BOOM	383,610	54.27	60.74	20.79	31.87	5.24	33.60	6.77	1912
	MOD LS-518 LIFTING CRANE T/C 230 HP D 24'-4" CRAWLERS W-44" SHOES									
2380	CRANE 150-T W/250' BOOM	559,555	76.99	85.80	30.33	46.49	5.80	49.02	7.49	2912
	CRAWLER TYPE-MANITOWOC									
	MOD 3900 VICON 3.5 CY T/C 334 HP D 20'-4" CRAWLERS W/38" SHOES									
2395	DAGLINE OR CLAMSHELL (LESS BUCKET)	388,173	66.94	77.58	21.55	34.01	10.52	36.20	13.33	2306
2400	CRANE 100T W/240' BOOM	397,966	61.17	69.67	22.10	34.87	8.42	37.12	10.87	2354

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	CRANE-SHOVEL-BACKHOE-DRAGLINE CONT'D *****									
	CRAWLER TYPE-MANITOWOC (CONT'D)									
	MOD 3900W VICON SER2 4 CY T/C 334 HP D 24'-0" CRAWLERS W/48" SHOES									
2410	DRAGLINE OR CLAMSHELL (LESS BUCKET)	466,201	77.90	90.02	25.89	40.85	10.52	43.48	13.33	2763
2415	CRANE 140T W/250' BOOM	474,877	71.07	80.65	26.37	41.61	8.42	44.29	10.87	2815
	MOD 4100W VICON SER2 5 CY T/C 345 HP D 26'-6" CRAWLERS W/48" SHOES									
2425	DRAGLINE OR CLAMSHELL (LESS BUCKET)	661,370	105.74	121.64	36.73	57.95	10.87	61.69	13.77	3788
2430	CRANE 200T W/260' BOOM	672,975	94.63	105.81	36.48	55.92	8.69	58.96	11.23	3929
	MOD 4600 VICON SERIES 3 7CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
2440	CRANE 240T W/260' BOOM	965,994	141.48	159.17	52.36	80.26	17.26	84.63	22.30	5095
2445	DRAGLINE OR CLAMSHELL (LESS BUCKET)	998,935	161.27	184.31	54.15	83.00	21.58	87.52	27.33	5083
	CRAWLER TYPE-NORTHWEST									
	MOD 28-D 3/4 CY 146 HP D 11'-11" CRAWLERS W/28" SHOES									
2460	DRAGLINE OR CLAMSHELL (LESS BUCKET)	119,671	26.07	31.91	7.43	13.19	4.66	14.82	5.91	484
2465	CRANE 15-T W/30' BOOM	118,655	21.68	25.78	7.19	12.46	3.73	13.82	4.82	474
	MOD-41 1 CY 148 HP D 15'-0" CRAWLERS W/30" SHOES									
2475	DRAGLINE OR CLAMSHELL (LESS BUCKET)	166,462	34.12	41.66	10.34	18.35	4.66	20.61	5.91	737
2480	CRANE 20-T W/40' BOOM	163,901	28.27	33.44	9.93	17.21	3.73	19.09	4.82	720
	MOD 50-D 1.5 CY T/C 263 HP D 15'-4" CRAWLERS W/30" SHOES									
2490	DRAGLINE OR CLAMSHELL (LESS BUCKET)	213,368	42.43	50.41	12.41	20.63	8.28	22.41	10.49	954
2495	CRANE 45-T W/60' BOOM	211,915	37.26	43.55	12.32	20.48	6.63	22.25	8.56	947

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		STAND-BY	ADJUSTABLE ELEMENTS				CWT
			CONDITION			AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	CRANE-SHOVEL-BACKHOE-DRAGLINE CONT'D *****									
	CRAWLER TYPE-NORTHWEST (CONT'D)									
	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
2505	SHOVEL	369,010	77.18	93.43	22.37	38.76	9.67	42.97	12.70	1720
2510	DPAGLINE OR CLAMSHELL (LESS BUCKET)	322,920	59.20	69.94	18.79	31.22	8.28	33.92	10.49	1496
2515	CRANE 40-T W/50' BOOM	310,560	50.98	59.14	18.07	30.03	6.63	32.62	8.56	1477
	MOD 9570 4.0 CY T/C 263 HP D 19'-0" CRAWLERS W/38" SHOES									
2525	DRAGLINE OR CLAMSHELL (LESS BUCKET)	389,947	64.54	74.52	21.65	34.16	8.28	36.37	10.49	1580
2530	CRANE 60-T W/50' BOOM	380,307	56.78	64.43	21.12	33.32	6.63	35.48	8.56	1565
	MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES									
2540	SHOVEL	614,837	113.51	133.29	35.15	57.35	13.16	61.82	17.29	2571
2545	DRAGLINE OR CLAMSHELL (LESS BUCKET)	545,917	90.00	103.84	30.31	47.83	11.28	50.92	14.28	2365
2550	CRANE 97.5-T W/170' BOOM	560,906	82.84	93.87	31.14	49.14	9.02	52.32	11.65	2464
	MOD 190-D WT SERIES 2 T/C 3 430 HP D 21'-1" CRAWLERS W/54" SHOES									
2560	SHOVEL 8.25 CY	725,357	129.05	149.69	40.27	63.55	15.80	67.66	20.77	3099
2565	DRAGLINE 6.5 CY (LESS BUCKET)	579,211	94.72	108.41	31.40	48.12	13.54	50.74	17.16	2550
2570	CRANE 100-T W/170' BOOM	607,887	91.04	103.35	33.75	53.26	10.84	56.70	14.00	2872
	CRAWLER TYPE-P & H									
	MOD 535 1.25 CY T/C 158 HP D 15'-8" CRAWLERS W/30" SHOES									
2585	DRAGLINE OR CLAMSHELL (LESS BUCKET)	217,730	39.21	46.24	12.67	21.05	4.98	22.87	6.30	870
2590	CRANE 35-T W/50' BOOM	210,820	34.00	39.35	12.27	20.38	3.98	22.14	5.14	870
	MOD 550 1.75 CY T/C 158 HP D 18'-0" CRAWLERS W/30" SHOES									
2600	DRAGLINE (LESS BUCKET)	241,689	42.87	50.51	14.05	23.36	4.98	25.39	6.30	1002

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	
	CRANE-SHOVEL-BACKHOE-DRAGLINE CONT'D *****									
	CRAWLER TYPE-P & H (CONT'D)									
	MOD 550 1.75 CY T/C 158 HP D 18'-0" CRAWLERS W/30" SHOES									
2605	CRANE 50-T W/80' BOOM	235,549	37.43	43.25	13.70	22.77	3.98	24.73	5.14	1002
	MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES									
2615	DRAGLINE OR CLAMSHELL (LESS BUCKET)	283,521	50.76	59.85	16.49	27.41	6.24	29.78	7.90	1344
2620	CRANE 70-T W/150' BOOM	289,636	43.17	48.96	16.08	25.37	4.99	27.01	6.44	1466
	CRANES-HYDRAULIC-SELF PROPELLED *****									
	GROVE									
2635	MOD RT58A 14 TON 112 HP D	86,310	18.03		4.96	7.69	4.47			407
2640	MOD RT515 15 TON 115 HP D	94,365	19.30		5.43	8.43	4.59			415
2645	MOD RT518 18 TON 115 HP D	106,671	21.24		6.11	9.44	4.59			453
2650	MOD RT522 22 TON 115 HP D	116,801	22.65		6.70	10.36	4.59			498
2655	MOD RT625 25 TON 156 HP D	152,438	29.36		8.75	13.54	6.22			545
2660	MOD RT740 40 TON 170 HP D	213,151	39.47		12.21	18.83	6.78			764
	LORAIN									
2670	MOD LRT150 15 TON 120 HP D	94,912	19.48		5.48	8.55	4.79			438
2675	MOD LRT180 18 TON 120 HP D	102,235	20.49		5.91	9.22	4.79			450
2680	MOD LRT220 22 TON 120 HP D	109,366	21.47		6.32	9.87	4.79			468
	PETTIBONE									
2690	MOD 25 12.5 TON 120 HP D	100,861	20.30		5.82	9.09	4.79			456
2695	MOD 36P 18 TON 120 HP D	117,756	22.86		6.77	10.52	4.79			492
2700	MOD 70 35 TON 188 HP D	177,791	35.24		10.19	15.72	7.50			770
2705	MOD 100SC 50 TON 188 HP D	253,648	45.96		14.56	22.53	7.50			1050

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

UNIT NO.	EQUIPMENT					VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
							CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
							AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	CRANES-HYDRAULIC-TRUCK MOUNTED ***** (HP & FUEL LISTED EQUIP/CARRIER)													
	BUCYRUS ERIE													
2715	30-XC	30 TON	W/80'	BOOM	130/210 HP D/D	169,890	29.73	34.46	9.39	14.71	6.65	15.64	8.53	552
2720	60-XC	60-TON	W/104'	BOOM	197/238 HP D/D	298,889	49.37	56.96	16.54	25.94	9.52	27.60	12.28	783
	GROVE													
2730	TMS185	18 TON	W/106'	BOOM	172 HP D	160,316	30.10	35.74	9.29	15.35	6.86	16.66	9.03	442
2735	TMS300	35 TON	W/112'	BOOM	203 HP D	186,648	33.77	39.61	10.31	16.11	8.10	17.13	10.66	705
2740	TMS475	50 TON	W/142'	BOOM	213 HP D	236,743	40.41	47.10	13.08	20.50	8.50	21.82	11.18	776
2745	TM875	80 TON	W/146'	BOOM	196/268 HP D/D	340,519	54.72	62.51	18.33	27.76	9.69	29.23	12.47	1200
	LINK BELT (FMC)													
2755	HTC-25	25-T	W/95'	BOOM	216 HP D	162,057	31.16	36.84	8.96	14.04	8.62	14.94	11.34	462
2760	HTC-35	35-T	W/108'	BOOM	216 HP D	190,323	34.70	40.76	10.52	16.50	8.62	17.56	11.34	628
2765	HTC-50	50-T	W/122'	BOOM	244 HP D	232,168	41.35	48.43	12.84	20.13	9.74	21.42	12.81	727
	PETTIBONE													
2775	50TKLSPC	25 TON	W/95'	BOOM	210 HP D	160,006	31.98	38.23	9.27	15.31	8.38	16.63	11.02	520
2780	80TKLE	40 TON	W/112'	BOOM	244 HP D	215,669	39.37	46.24	11.92	18.67	9.74	19.85	12.81	738
2785	100TKLSPC	50 TON	W/111'	BOOM	244 HP D	235,905	41.85	49.00	13.04	20.43	9.74	21.75	12.81	820
2790	160TKLSPC	80 TON	W/118'	BOOM	365 HP D	348,069	61.76	71.94	18.73	28.38	14.56	29.90	19.16	1395
	CRANES-TRUCK MOUNTED ***** (HP & FUEL LISTED EQUIP/CARRIER)													
	AMERICAN													
2800	5530	75-T	W/170'	BOOM	115/238 HP D/D	306,211	45.71	51.66	16.51	25.08	6.24	26.43	7.97	1245
2805	7530	125T	W/200'	BOOM	203/350 HP D/D	427,166	66.04	75.05	23.03	35.00	10.54	36.88	13.50	1696

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	CRANES-TRUCK MOUNTED (CONT'D) ***** (HP & FUEL LISTED EQUIP/CARRIER)									
	LINK BELT (FMC)									
2815	HC108C 50-T W/150' BOOM 117/238 HP D/D	293,903	45.12	51.49	16.22	25.35	6.32	26.97	8.08	1197
2820	HC218A 100-T W/220' BOOM 165/318 HP D/D	403,211	60.00	67.29	21.33	31.64	8.80	33.09	11.24	1566
2825	HC238A 140-T W/230' BOOM 171/318 HP D/D	484,312	70.15	78.41	25.62	38.00	9.04	39.75	11.56	2068
	LORAIN									
2835	MC550A 50-T W/160' BOOM 115/246 HP D/D	288,453	44.42	50.69	15.92	24.87	6.30	26.46	8.04	1111
2840	MC670A 70-T W/170' BOOM 150/290 HP D/D	344,985	52.59	59.61	18.61	28.31	8.00	29.82	10.23	1243
2845	MC790 90-T W/220' BOOM 220/290 HP D/D	423,433	65.66	74.75	22.85	34.77	10.80	36.65	13.90	1594
2850	MC8150 150T W/250' BOOM 246/365 HP D/D	581,001	85.97	96.49	30.74	45.60	12.36	47.70	15.88	2625
	P & H									
2860	325TC 25-T W/110' BOOM 83/190 HP D/D	179,591	29.93	34.81	10.40	17.17	4.63	18.63	5.90	645
2865	430ATC 35-T W/150' BOOM 95/210 HP D/D	201,643	31.91	36.53	11.15	17.47	5.25	18.59	6.69	763
2870	440TC 40-T W/170' BOOM 95/236 HP D/D	214,953	33.91	38.78	11.88	18.58	5.43	19.76	6.90	964
2875	650ATC 50-T W/150' BOOM 135/236 HP D/D	299,761	46.74	53.44	16.55	25.87	7.03	27.51	9.00	1178
2880	670TC 70-T W/180' BOOM 135/255 HP D/D	320,825	48.63	55.09	17.30	26.30	7.16	27.71	9.16	1340
2885	790BTC 90-T W/200' BOOM 160/350 HP D/D	372,241	57.28	64.97	20.05	30.44	8.82	32.07	11.24	1736
2890	9125ATC 140T W/270' BOOM 210/350 HP D/D	510,420	75.46	84.67	27.01	40.07	10.81	41.92	13.87	2529
2895	6250TC 250T W/320' BOOM 363/450 HP D/D	1,013,970	144.23	161.21	53.70	79.81	17.62	83.51	22.71	4552
	DRILLS-BLAST HOLE-CRAWLER MTD *****									
	GARDNER DENVER									
2905	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	58,540	13.42		3.87	7.18	0.00			91
2910	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	53,698	12.47		3.55	6.59	0.00			93
2915	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	61,176	14.28		4.04	7.50	0.00			95
2920	AT3700A/PR66 ANGLE DRILL 900CFM A 4.0" HOLE 12' FEED	72,160	16.75		4.77	8.85	0.00			146
2925	ATD5100/PR80H ANGLE DRILL 1200CFM A 4.5" HOLE 20' FEED	80,151	18.67		5.30	9.83	0.00			200

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	DRILLS-BLAST HOLE-CRAWLER MTD (CONT'D *****									
	INGERSOLL-RAND									
2935	ECM350/VL140 4.0" HOLE 12' FEED 750CFM A	62,786	14.48		4.15	7.70	0.00			129
2940	ECM350/VL671 4.5" HOLE 12' FEED 900CFM A	68,471	15.89		4.53	8.40	0.00			131
2945	CM2000/VL170 5.0" HOLE 24' FEED1400CFM A	77,729	18.28		5.15	9.54	0.00			170
	JOY									
2955	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	57,547	13.37		3.81	7.06	0.00			100
2960	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	65,330	15.11		4.32	8.01	0.00			144
2965	MUSTANG VCR280 5" HOLE 23' FEED1200CFM A	79,815	18.60		5.29	9.80	0.00			184
	DRILLS-CORE-AIR-COLUMN MOUNTED *****									
2975	LONGYEAR 24 WOLVERINE AX 700' 450CFM A	13,608	3.31		0.90	1.67	0.00			12
2980	LONGYEAR 65D EX 600' 400CFM A	9,048	2.28		0.60	1.11	0.00			3
2985	65D ROD PULLER 21" STROKE 400CFM A	1,346	0.50		0.09	0.16	0.00			1
	DRILLS-CORE-SKID MOUNTED *****									
	ACKER									
2995	TEREDO MARK-II NX 1000' MAX 44 HP D	21,238	7.46		1.40	2.60	2.17			40
3000	ACE MODEL C NX 725' MAX 20 HP D	14,803	4.56		0.98	1.82	0.99			45
	SPRAGUE AND HENWOOD									
3010	MOD 37-H NX 400' MAX 18 HP G	12,776	4.88		0.84	1.56	1.74			18
3015	MOD 40-CL NX1050' MAX 49 HP D	19,744	7.43		1.30	2.42	2.42			27
	LONGYEAR									
3025	MOD 24 STD AX 675' MAX 12 HP G	13,406	4.36		0.88	1.64	1.16			17
3030	MOD 34 NX 1000' MAX 31 HP G	20,379	8.05		1.35	2.50	2.99			38
3035	MOD 34 NX 1000' MAX 40 HP D	24,297	7.90		1.61	2.98	1.97			39
3040	MOD 38 NX 1800' MAX 54 HP D	27,958	9.58		1.85	3.43	2.66			41

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	DRILLS-CORE-SKID MOUNTED (CONT'D) *****									
	LONGYEAR (CONT'D)									
3045	MOD 44 NX 2500' MAX 60 HP D	33,539	11.21		2.22	4.12	2.96			56
	DRILLS-ROTARY *****									
	INGERSOLL-RAND									
3055	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED 304 HP D	250,009	60.39		14.55	23.81	15.00			550
	JOY-ROBBINS									
3065	RRT 35 TK MOUNTED 6-1/4" TO 8" 225 HP D	216,190	49.87		12.58	20.59	11.10			860
3070	RRT 50 TK MOUNTED 6-3/4" TO 9" 325 HP D	366,194	81.28		21.29	34.80	16.04			860
3075	RRT 60 TK MTD 6-3/4" TO 9-7/8" 335 HP D	389,121	85.65		22.62	37.00	16.53			960
3080	RRT 70 TK MTD 9.00 " TO 10-5/8" 350 HP D	462,455	98.93		26.88	43.95	17.27			1120
3085	RR10HD ON D9 6-3/4" TO 10-5/8" 500 HP D	399,632	96.15		23.33	38.39	24.67			1340
3090	RR11 CRLR MTD 6-3/4" TO 12-1/4" 575 HP E	661,056	113.84		36.04	54.72	28.17			1421
3095	RR12 CRLR MTD 10-5/8" TO 12-1/2" 600 HP E	825,337	133.46		45.00	68.32	29.40			1500
3100	RR16 CRLR MTD 10-5/8" TO 15" 1100 HP E	937,162	182.32		51.09	77.57	53.90			2200
	FORK LIFTS *****									
	HYSTER-CHALLENGER									
3110	H30H 3000# @ 24" LC (LOAD CNTR) 63 HP G	21,311	10.90		1.40	2.58	4.95			71
3115	H60C 6000# @ 24" LC 80 HP G	24,141	13.17		1.58	2.92	6.28			103
3120	H110F 11000# @ 24" LC 116 HP G	36,878	19.49		2.42	4.48	9.11			163
3125	H150H 15000# @ 24" LC 127 HP G	51,748	23.92		3.38	6.21	9.97			234
3130	H200HS20000# @ 24" LC PS 127 HP G	59,201	25.57		3.87	7.13	9.97			256
3135	H250H 25000# @ 24" LC PS 127 HP G	61,605	26.13		4.03	7.40	9.97			295
3140	H300B 30000# @ 24" LC PS 127 HP G	68,533	27.67		4.46	8.26	9.97			360
3145	H460B 46000# @ 48" LC PS 190 HP G	132,189	48.03		8.63	15.90	14.92			590

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	GENERATOR ELECT PLANTS *****									
	CATERPILLAR T = TURBOCHARGED TA = TURBOCHARGED AFTER COOLED									
	SKID MOUNTED									
3160	MOD 3304 -T 240/480V 85 KW 129 HP D	15,953	9.67	12.17	1.06	1.81	5.15	1.93	6.77	37
3165	MOD 3306 -T 240/480V 130 KW 200 HP D	18,794	13.76	17.46	1.25	2.13	7.98	2.27	10.50	46
3170	MOD 3306 -TA 240/480V 150 KW 220 HP D	21,418	15.30	19.38	1.43	2.43	8.78	2.59	11.55	48
3175	MOD 3406 -T 240/480V 175 KW 260 HP D	22,688	17.53	22.29	1.52	2.58	10.37	2.74	13.65	57
3180	MOD 3406 -TA 240/480V 200 KW 295 HP D	25,706	19.87	25.27	1.71	2.91	11.77	3.10	15.49	59
3185	MOD 3408 -T 240/480V 225 KW 330 HP D	30,063	22.51	28.58	2.00	3.41	13.17	3.63	17.32	72
3190	MOD 3408 -TA 240/480V 265 KW 390 HP D	32,623	26.00	33.08	2.17	3.70	15.56	3.94	20.47	81
3195	MOD D353 -TA 240/480V 290 KW 425 HP D	57,877	32.93	41.32	3.85	6.56	16.96	6.99	22.31	114
3200	MOD 3412 -T 240/480V 300 KW 440 HP D	45,128	31.05	39.29	3.01	5.12	17.56	5.45	23.10	91
3205	MOD 3412 -TA 240/480V 440 KW 625 HP D	52,488	41.72	53.07	3.50	5.96	24.94	6.34	32.81	102
3210	MOD D348 -TA 240/480V 510 KW 730 HP D	80,255	52.62	66.46	5.34	9.10	29.13	9.69	38.32	140
3215	MOD D398B-TA 230/460V 565 KW 810 HP D	118,663	64.48	80.74	7.90	13.46	32.32	14.33	42.52	208
3220	MOD D399 -TA 230/460V 820 KW 1155 HP D	154,428	88.90	111.64	10.29	17.52	46.08	18.65	60.64	268
	ONAN									
	SKID MOUNTED									
3235	120/240V 15 KW 27 HP D	5,831	2.54	3.13	0.39	0.66	1.08	0.70	1.42	14
3240	120/240V 30 KW 63 HP D	8,648	4.89	6.14	0.58	0.98	2.51	1.04	3.31	19
3245	120/240V 45 KW 87 HP D	11,435	6.64	8.37	0.76	1.29	3.47	1.38	4.57	25
3250	120/240V 60 KW 102 HP D	13,143	7.75	9.75	0.88	1.49	4.07	1.59	5.35	26
3255	120/240V 75 KW 162 HP D	15,639	11.23	14.22	1.05	1.78	6.46	1.88	8.50	30
3260	120/240V 90 KW 162 HP D	16,385	11.38	14.41	1.10	1.86	6.46	1.98	8.50	30
3265	120/240V 125 KW 210 HP D	18,964	14.29	18.14	1.27	2.15	8.38	2.28	11.02	50
3270	120/240V 150 KW 276 HP D	22,473	18.27	23.28	1.50	2.55	11.01	2.72	14.49	65

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

UNIT NO.	EQUIPMENT					VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
							CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
							AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	GRADERS MOTOR *****													
	AUSTIN WESTERN (CLARK)													
3280	PACER 301	POWER SHIFT	4X4	146 HP	D	92,226	22.93	28.27	5.75	9.69	5.37	10.81	7.05	245
3285	SUPER 301	POWER SHIFT	6X6	146 HP	D	100,127	24.33	29.99	6.24	10.51	5.37	11.72	7.05	273
3290	PACER 501	POWER SHIFT	4X4	187 HP	D	98,064	25.86	31.99	6.11	10.32	6.87	11.51	9.03	280
3295	SUPER 501	POWER SHIFT	6X6	187 HP	D	105,490	27.21	33.68	6.57	11.07	6.87	12.34	9.03	315
	CATERPILLAR													
3305	MOD 120-G	POWER SHIFT ARTIC		125 HP	D	81,211	20.03	24.68	5.05	8.51	4.59	9.49	6.04	275
3310	MOD 130-G	POWER SHIFT ARTIC		135 HP	D	90,731	22.14	27.21	5.65	9.53	4.96	10.62	6.52	295
3315	MOD 12-G	POWER SHIFT ARTIC		135 HP	D	98,628	23.51	28.86	6.14	10.35	4.96	11.55	6.52	313
3320	MOD 140-G	POWER SHIFT ARTIC		150 HP	D	99,741	24.45	30.11	6.20	10.44	5.51	11.64	7.24	319
3325	MOD 14-G	POWER SHIFT ARTIC		180 HP	D	139,774	33.18	41.03	8.65	14.45	6.61	16.09	8.69	433
3330	MOD 16-G	POWER SHIFT ARTIC		250 HP	D	202,286	47.69	59.07	12.49	20.81	9.19	23.17	12.07	581
	FIAT-ALLIS													
3340	MOD-65B	DIRECT DRIVE		68 HP	D	42,145	10.48	12.89	2.63	4.44	2.50	4.95	3.28	143
3345	MOD-100C	CONSTANT MESH		135 HP	D	80,738	20.46	25.26	5.02	8.44	4.96	9.41	6.52	310
3350	MOD-150C	POWER SHIFT		135 HP	D	86,345	21.42	26.39	5.37	9.04	4.96	10.08	6.52	316
3355	MOD-200C	POWER SHIFT		160 HP	D	93,055	23.79	29.39	5.79	9.73	5.88	10.84	7.73	322
	GALION													
3365	MOD 503-L	DIRECT DRIVE		68 HP	G	38,913	12.45	15.42	2.43	4.10	4.94	4.57	6.39	115
3370	MOD T-500C	POWER SHIFT		150 HP	D	80,314	21.06	26.05	5.00	8.41	5.51	9.38	7.24	281
3375	MOD T-600C	POWER SHIFT		200 HP	D	97,482	26.43	32.77	6.06	10.20	7.35	11.37	9.66	321
	WABCO													
3385	MOD 444	POWER SHIFT		135 HP	D	82,995	20.81	25.65	5.17	8.70	4.96	9.69	6.52	302
3390	MOD 555	CONSTANT MESH		160 HP	D	85,259	22.47	27.82	5.30	8.90	5.88	9.91	7.73	321
3395	MOD 777-B	POWER SHIFT		201 HP	D	99,578	26.87	33.34	6.19	10.40	7.39	11.60	9.71	355

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	HOISTS *****									
	BENDIX-SKAGIT									
3405	BU-18 DOUBLE DRUM W/5/8" CABLE 100 HP D	55,714	17.28		3.69	6.88	3.99			85
3410	G-70 DOUBLE DRUM W/7/8" CABLE 100 HP D	75,299	21.60		4.98	9.29	3.99			126
3415	RB-80 DOUBLE DRUM W/1-1/8" CABLE 130 HP D	115,847	32.06		7.66	14.30	5.19			240
3420	RB-90WDOUBLE DRUM W/1-3/8" CABLE 150 HP D	137,465	37.82		9.09	16.96	5.98			300
	GARDNER DENVER									
3430	HML SINGLE DRUM W/1/2" CABLE 350CFM A	6,045	1.53		0.40	0.74	0.00			10
	HYDPAULIC EXCAVATOR-CRAWLER MOUNTED ***** T/B = TELESCOPING BOOM B/H = BACKHOE									
	AMERICAN									
3440	MOD 25A 1.38 CY B/H 185 HP D	163,854	37.22	45.38	9.93	17.21	6.80	19.08	8.94	660
3445	MOD 35A 2.00 CY B/H 250 HP D	214,682	49.10	59.86	13.01	22.55	9.19	24.99	12.07	970
3450	MOD 45A 3.50 CY B/H 420 HP D	365,582	76.47	91.07	20.90	34.10	15.43	36.76	20.29	1700
	BUCYRUS ERIE									
3460	MOD 300-H 1.00 CY B/H 176 HP D	145,556	35.77	44.77	9.31	16.95	6.47	19.35	8.50	530
3465	MOD 325-H 1.75 CY B/H 205 HP D	199,278	44.41	54.03	12.07	20.93	7.53	23.20	9.90	750
3470	MOD 350-H 2.50 CY B/H 248 HP D	252,525	55.75	67.81	15.30	26.52	9.11	29.40	11.98	1020
	CATERPILLAR									
3480	MOD 215 .75 CY B/H 85 HP D	102,459	23.49	29.30	6.55	11.93	3.12	13.62	4.11	387
3485	MOD 225 1.00 CY B/H 125 HP D	134,311	31.38	39.18	8.58	15.63	4.59	17.85	6.04	504
3490	MOD 235 1.50 CY B/H 195 HP D	229,138	49.29	59.82	13.88	24.06	7.17	26.68	9.42	872
3495	MOD 245 2.50 CY B/H 325 HP D	348,390	76.18	92.57	21.11	36.59	11.94	40.56	15.70	1308

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	
	HYDRAULIC EXCAVATOR-CRLLR MNTD CONT'D ***** T/B = TELESCOPING BOOM B/H = BACKHOE									
	DROTT									
3505	MOD 40-D 1.00 CY B/H 157 HP D	95,091	25.19	31.63	6.08	11.07	5.77	12.64	7.58	400
3510	MOD 50-D 1.25 CY B/H 190 HP D	121,434	29.88	36.64	7.36	12.75	6.98	14.14	9.18	510
	GRADALL									
3520	MOD G-660 .50 CY T/B 115 HP D	124,730	29.10	36.31	7.97	14.52	4.23	16.57	5.55	459
3525	MOD G-880 .75 CY T/B 160 HP D	155,577	37.01	46.24	9.94	18.11	5.88	20.67	7.73	549
3530	MOD G-1000 1.25 CY T/B 272 HP D	208,323	48.93	59.78	12.63	21.88	10.00	24.26	13.14	787
	HOPTO									
3540	MOD 211 1.00 CY B/H 160 HP D	119,989	28.32	34.62	7.27	12.60	5.88	13.97	7.73	516
3545	MOD 311 1.88 CY B/H 235 HP D	174,541	41.30	50.49	10.58	18.33	8.64	20.32	11.35	743
3550	MOD 900B 3.25 CY B/H 308 HP D	209,959	46.82	56.11	12.01	19.59	11.32	21.11	14.88	1009
3555	MOD 1900 4.50 CY B/H 616 HP D	455,049	99.22	118.66	26.02	42.44	22.64	45.75	29.75	2049
	INSLEY									
3565	MOD H1500C 1.50 CY B/H 240 HP D	194,583	45.09	55.03	11.79	20.44	8.82	22.65	11.59	767
3570	MOD H2500C 2.00 CY B/H 290 HP D	235,325	54.51	66.55	14.26	24.71	10.66	27.40	14.01	955
3575	MOD H3500C 3.00 CY B/H 390 HP D	304,440	65.42	78.13	17.40	28.39	14.33	30.61	18.84	1275
	KOEHRING									
3585	MOD 866E 2.12 CY B/H 325 HP D	326,189	72.22	87.86	19.77	34.26	11.94	37.98	15.70	1327
3590	MOD 1066D 4.00 CY B/H 380 HP D	409,682	89.49	108.73	24.83	43.03	13.96	47.70	18.35	1640
3595	MOD 1266D 5.50 CY B/H 760 HP D	682,196	141.67	168.59	39.00	63.63	27.93	68.60	36.71	2600
	P & H									
3605	MOD H-750 .75 CY B/H 105 HP D	91,714	22.28	27.87	5.87	10.68	3.86	12.19	5.07	390
3610	MOD H-1250 1.00 CY B/H 190 HP D	127,640	32.91	41.28	8.16	14.86	6.98	16.96	9.18	620

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	
	HYDRAULIC EXCAVATOR-CRLR MNTD CONT'D ***** T/B = TELESCOPING BOOM B/H = BACKHOE SHIELD BANTAM									
3620	MOD C166 .50 CY B/H 108 HP D	76,105	19.39	24.32	4.86	8.86	3.97	10.11	5.22	321
3625	MOD C266 .88 CY B/H 143 HP D	115,248	28.49	35.64	7.37	13.42	5.26	15.31	6.91	463
	UNIT									
3635	MOD H202C SER II .75 CY B/H 152 HP D	108,328	27.54	34.51	6.93	12.61	5.59	14.40	7.34	440
3640	MOD H342 1.25 CY B/H 228 HP D	186,920	43.20	52.73	11.33	19.63	8.38	21.77	11.01	740
3645	MOD H471 1.75 CY B/H 304 HP D	231,186	54.39	66.46	14.02	24.29	11.17	26.92	14.68	1003
	HYDRAULIC EXCAVATOR-TRUCK MOUNTED ***** (HP & FUEL LISTED EQUIP/CARRRIER) T/B = TELESCOPING BOOM B/H = BACKHOE GRADALL									
3655	MOD G-660 .50 CY T/B 115/180 HP D/G	151,951	28.97	34.41	8.80	14.53	6.73	15.77	8.82	430
3660	MOD G-880 .75 CY T/B 160/210 HP D/D	169,020	32.68	38.68	9.77	16.10	7.85	17.48	10.11	530
3665	MOD G-1000 1.25 CY T/B 272/228 HP D/D	222,214	43.78	51.60	12.26	19.16	12.44	20.38	16.13	730
	LAND CLEARING EQUIPMENT ***** (ADD TO TRACTOR)									
3675	FLECO LAND CLEARING RAKE FOR D-6	15,931	3.43	4.32	1.06	1.97	0.00	2.30	0.00	65
3680	FLECO LAND CLEARING RAKE FOR D-7	22,678	4.86	6.11	1.50	2.80	0.00	3.26	0.00	107
3685	FLECO LAND CLEARING RAKE FOR D-8	29,472	6.31	7.94	1.95	3.64	0.00	4.24	0.00	140
3690	FLECO CLAMP RAKE FOR CAT 977 (ADD TO 977 LOADER)	14,240	3.17	3.95	0.94	1.76	0.00	2.04	0.00	58

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	LIGHTING SETS-TRAILER MOUNTED *****									
	ALLMAND METALLIC VAPOR									
3700	30' TOWER 4/1000W LTS 5 KW 11 HP D	10,981	3.02		0.73	1.26	0.65			26
	OVER LOWE METALLIC VAPOR									
3710	38' TOWER 4/1000W LTS 6 KW 12 HP D	10,002	2.90		0.66	1.15	0.71			22
	LOADERS-BELT *****									
	KOLMAN									
3720	101XHD 24"X50' 355 T/HR 28 HP D	24,940	7.30	9.50	1.63	2.74	1.12	3.13	1.47	116
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
3730	PLATE FEEDER DOZER TRAP MODEL 45	4,617	0.98	1.24	0.31	0.53	0.00	0.61	0.00	37
3735	BELT FEEDER DOZER TRAP MODEL 65	6,709	1.43	1.79	0.45	0.77	0.00	0.88	0.00	36
3740	WING WALLS STATIONARY	1,029	0.22	0.27	0.07	0.12	0.00	0.13	0.00	9
3745	TUNNEL EXTENSION W/WING WALLS	5,373	1.15	1.44	0.36	0.62	0.00	0.71	0.00	61
3750	SINGLE DECK SCREEN SB-70 7'X42	4,594	0.98	1.23	0.31	0.53	0.00	0.61	0.00	19
3755	DOUBLE DECK SCREEN DC-70-42 7'X42	5,455	1.15	1.46	0.36	0.62	0.00	0.72	0.00	27
3760	TRIPLE DECK SCREEN TC-70-42 7'X42	7,120	1.52	1.91	0.48	0.82	0.00	0.94	0.00	34
3765	XHD CONVEYOR JACKLEG	813	0.17	0.22	0.05	0.09	0.00	0.11	0.00	9
3770	101XHD 30"X50' 615 T/HR 42 HP D	27,966	8.81	11.48	1.83	3.07	1.68	3.51	2.20	135
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
3780	PLATE FEEDER DOZER TRAP MODEL 45	5,739	1.22	1.53	0.38	0.66	0.00	0.75	0.00	42
3785	BELT FEEDER DOZER TRAP MODEL 65	7,030	1.49	1.88	0.46	0.80	0.00	0.93	0.00	40
3790	WING WALLS STATIONARY	1,029	0.22	0.27	0.07	0.12	0.00	0.13	0.00	9
3795	TUNNEL EXTENSION W/WING WALLS	5,373	1.15	1.44	0.36	0.62	0.00	0.71	0.00	61
3800	SINGLE DECK SCREEN SB-80 8'X48	5,156	1.09	1.38	0.34	0.59	0.00	0.68	0.00	23
3805	DOUBLE DECK SCREEN DC-80-48 8'X48	6,352	1.35	1.70	0.42	0.73	0.00	0.84	0.00	35
3810	TRIPLE DECK SCREEN TC-80-48 8'X48	8,048	1.72	2.15	0.54	0.93	0.00	1.06	0.00	43

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	LOADERS-BELT (CONT'D) *****									
	KOLMAN (CONT'D)									
3815	XHD CONVEYOR JACKLEC	813	0.17	0.22	0.05	0.09	0.00	0.11	0.00	9
3820	101XHD 36"X50' 910 T/HR 56 HP D	32,013	10.59	13.88	2.08	3.47	2.23	3.97	2.94	160
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
3830	PLATE FEEDER DOZER TRAP MODEL 45	6,155	1.31	1.66	0.41	0.71	0.00	0.82	0.00	45
3835	BELT FEEDER DOZER TRAP MODEL 65	7,446	1.59	1.99	0.50	0.86	0.00	0.98	0.00	42
3840	WING WALLS STATIONARY	1,029	0.22	0.27	0.07	0.12	0.00	0.13	0.00	9
3845	TUNNEL EXTENSION W/WING WALLS	5,373	1.15	1.44	0.36	0.62	0.00	0.71	0.00	61
3850	SINGLE DECK SCREEN SB-90 9'X54	5,825	1.24	1.56	0.39	0.67	0.00	0.77	0.00	28
3855	DOUBLE DECK SCREEN DC-90-54 9'X54	7,591	1.61	2.03	0.50	0.87	0.00	1.00	0.00	43
3860	TRIPLE DECK SCREEN TC-90-54 9'X54	10,128	2.15	2.72	0.67	1.16	0.00	1.34	0.00	54
3865	XHD CONVEYOR JACKLEG	813	0.17	0.22	0.05	0.09	0.00	0.11	0.00	9
3870	101XHD 42"X50' 1260 T/HR 84 HP D	39,128	13.91	18.31	2.53	4.22	3.35	4.83	4.41	180
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
3880	PLATE FEEDER DOZER TRAP MODEL 45	6,558	1.39	1.76	0.44	0.75	0.00	0.87	0.00	48
3885	BELT FEEDER DOZER TRAP MODEL 65	8,560	1.82	2.29	0.57	0.98	0.00	1.13	0.00	45
3890	WING WALLS STATIONARY	1,029	0.22	0.27	0.07	0.12	0.00	0.13	0.00	9
3895	TUNNEL EXTENSION W/WING WALLS	5,373	1.15	1.44	0.36	0.62	0.00	0.71	0.00	61
3900	SINGLE DECK SCREEN SB-100 60"X10'	7,268	1.55	1.95	0.49	0.84	0.00	0.96	0.00	37
3905	DOUBLE DECK SCREEN DC-100 60"X10'	9,374	2.00	2.51	0.62	1.08	0.00	1.24	0.00	55
3910	TRIPLE DECK SCREEN TC-100 60"X10'	12,644	2.70	3.39	0.85	1.46	0.00	1.67	0.00	68
3915	XHD CONVEYOR JACKLEG	813	0.17	0.22	0.05	0.09	0.00	0.11	0.00	9
3920	101XHD 48"X50' 1700 T/HR 125 HP D	68,701	22.50	29.31	4.49	7.56	4.99	8.66	6.56	265
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
3930	PLATE FEEDER DOZER TRAP MODEL 45	9,519	2.02	2.55	0.63	1.09	0.00	1.26	0.00	51
3935	WING WALLS STATIONARY	1,029	0.22	0.27	0.07	0.12	0.00	0.13	0.00	9
3940	TUNNEL EXTENSION W/WING WALLS	5,999	1.28	1.60	0.40	0.69	0.00	0.79	0.00	66
3945	SINGLE DECK SCREEN SB-120 60"X12'	8,246	1.76	2.21	0.55	0.95	0.00	1.09	0.00	53

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	LOADERS-BELT (CONT'D) *****									
	KOLMAN (CONT'D)									
3950	DOUBLE DECK SCREEN DC-120 60"X12'	11,393	2.42	3.05	0.76	1.31	0.00	1.50	0.00	77
3955	TRIPLE DECK SCREEN TC-120 60"X12'	14,922	3.17	4.00	0.99	1.71	0.00	1.97	0.00	80
3960	XHD CONVEYOR JACKLEG	813	0.17	0.22	0.05	0.09	0.00	0.11	0.00	9
3965	303 48"X50' 2000 CY/HR 125 HP D	121,359	35.98	47.24	7.88	13.18	4.99	15.06	6.56	627
3970	303 48"X60' 2000 CY/HR 185 HP D	135,000	42.31	55.58	8.77	14.69	7.38	16.79	9.71	662
3975	303 60"X50' 3600 CY/HR 185 HP D	139,491	44.96	59.68	9.01	14.95	7.38	17.06	9.71	682
3980	303 60"X60' 3600 CY/HR 290 HP D	160,692	55.93	74.31	10.38	17.21	11.57	19.64	15.22	737
3990	404 48"X50' 2000 CY/HR 185 HP D	149,911	45.11	58.92	9.78	16.46	7.38	18.83	9.71	616
3995	404 48"X60' 2000 CY/HR 185 HP D	158,416	47.29	61.85	10.33	17.38	7.38	19.88	9.71	650
4000	404 60"X50' 3600 CY/HR 290 HP D	180,005	58.93	77.58	11.70	19.60	11.57	22.41	15.22	671
4005	404 60"X60' 3600 CY/HR 290 HP D	198,939	64.06	84.56	12.92	21.60	11.57	24.69	15.22	724
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4015	SINGLE DECK SCREEN SB-120 72"X12'	9,122	1.94	2.45	0.61	1.05	0.00	1.21	0.00	58
4020	DOUBLE DECK SCREEN DC-120 72"X12'	12,113	2.57	3.24	0.81	1.39	0.00	1.60	0.00	85
4025	TRIPLE DECK SCREEN TC-120 72"X12'	16,385	3.49	4.38	1.10	1.89	0.00	2.16	0.00	90
4030	SINGLE DECK VIBRATING GRIZZLE 72"W	18,789	4.00	5.03	1.25	2.16	0.00	2.48	0.00	80
	LOADERS - F.E. TRACK TYPE *****									
	CASE									
4040	350 B 3/4 CY 39 HP D	31,182	9.80	12.48	2.07	3.71	1.68	4.28	2.21	125
4045	450 B 1 CY 53 HP D	42,438	13.34	16.98	2.82	5.05	2.28	5.83	3.01	160
4050	850B 1-1/2 CY 72 HP D	56,407	17.81	22.69	3.74	6.70	3.10	7.75	4.08	220
4055	1150 C 2 CY 105 HP D	73,517	23.88	30.44	4.88	8.74	4.52	10.10	5.95	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	FUEL	
	LOADERS - F.E. TRACK TYPE (CONT'D) *****												
	CATERPILLAR												
4065	931B	1	CY	65 HP D	38,850	13.18	16.84	2.58	4.62	2.80	5.34	3.69	169
4070	941B	1-1/2	CY	80 HP D	57,692	18.59	23.71	3.83	6.86	3.44	7.93	4.54	251
4075	951C	1-3/4	CY	95 HP D	67,853	21.92	27.97	4.50	8.07	4.09	9.33	5.39	273
4080	955L	2-1/4	CY	130 HP D	91,441	29.67	37.83	6.06	10.87	5.60	12.57	7.37	348
4085	977L	3-1/4	CY	190 HP D	135,972	43.91	55.99	9.02	16.17	8.18	18.69	10.77	512
4090	983B	5	CY	275 HP D	210,195	66.78	85.10	13.95	25.00	11.84	28.89	15.59	803
	FIAT-ALLIS												
4100	FL9	1-5/8	CY	87 HP D	55,728	18.54	23.66	3.70	6.63	3.75	7.66	4.93	272
4105	FL10C	2	CY	122 HP D	71,068	24.30	31.05	4.72	8.45	5.25	9.77	6.92	310
4110	FL14C	2-5/8	CY	150 HP D	93,041	31.23	39.87	6.17	11.06	6.46	12.79	8.50	410
4115	FL20	3-1/2	CY	223 HP D	134,428	45.50	58.10	8.92	15.98	9.60	18.48	12.64	605
	INTERNATIONAL												
4125	100-E	1-1/8	CY	65 HP D	42,820	14.13	18.04	2.84	5.09	2.80	5.88	3.69	161
4130	125-E	1-3/8	CY	78 HP D	50,759	16.82	21.46	3.37	6.04	3.36	6.98	4.42	199
4135	175-C	2	CY	134 HP D	80,408	27.25	34.82	5.33	9.56	5.77	11.06	7.60	317
4140	250-C	2-3/4	CY	190 HP D	114,938	38.87	49.63	7.63	13.67	8.18	15.80	10.77	452
	JOHN DEERE												
4150	JD350-C	3/4	CY	42 HP D	33,998	10.65	13.56	2.26	4.04	1.81	4.67	2.38	128
4155	JD450-C	1-1/4	CY	65 HP D	44,648	14.57	18.59	2.96	5.31	2.80	6.13	3.69	176
	KOMATSU												
4165	D31S-16	1.3	CY	63 HP D	37,816	12.82	16.36	2.51	4.50	2.71	5.19	3.57	156
4170	D53S-16	1.8	CY	110 HP D	65,830	22.34	28.52	4.37	7.83	4.74	9.05	6.24	300
4175	D57S-1	2.1	CY	135 HP D	80,052	27.23	34.78	5.31	9.52	5.81	11.01	7.65	337
4180	D75S-3	3.3	CY	200 HP D	152,582	48.49	61.80	10.13	18.15	8.61	20.97	11.34	503
4185	D155S-1	5.9	CY	350 HP D	226,424	75.12	95.86	15.02	26.92	15.07	31.12	19.84	540

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
						CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
						AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	LOADERS - F.E. WHEEL TYPE *****												
	BOBCAT												
4195	MOD 310	5	C.F. SKID-STEER	16 HP G	5,509	2.82	3.68	0.36	0.63	1.26	0.73	1.64	18
4200	MOD 313	5	C.F. SKID-STEER	13 HP D	6,890	2.17	2.81	0.45	0.79	0.52	0.92	0.68	19
4205	MOD 540	6.5	C.F. SKID-STEER	23 HP G	8,142	4.13	5.39	0.53	0.93	1.81	1.07	2.35	31
4210	MOD 543	6.5	C.F. SKID-STEER	19 HP D	9,766	3.12	4.09	0.64	1.12	0.76	1.29	1.00	32
4215	MOD 610	9	C.F. SKID-STEER	30 HP G	9,927	5.16	6.67	0.66	1.15	2.36	1.32	3.07	39
4220	MOD 630	9	C.F. SKID-STEER	30 HP G	9,567	5.08	6.58	0.63	1.10	2.36	1.27	3.07	37
4225	MOD 641	10	C.F. SKID-STEER	28 HP D	11,468	3.93	5.06	0.76	1.33	1.12	1.53	1.47	39
4230	MOD 642	10	C.F. SKID-STEER	32 HP G	10,244	5.42	7.02	0.67	1.18	2.51	1.37	3.27	38
4235	MOD 742	10	C.F. SKID-STEER	34 HP G	12,219	6.02	7.77	0.80	1.41	2.67	1.63	3.48	45
4240	MOD 743	10	C.F. SKID-STEER	36 HP D	13,268	4.72	6.09	0.87	1.54	1.44	1.78	1.89	46
4245	MOD 825	12.5	C.F. SKID-STEER	42 HP D	16,110	5.70	7.40	1.06	1.85	1.68	2.14	2.20	60
4250	MOD 843	13.5	C.F. SKID-STEER	54 HP D	17,320	6.60	8.57	1.14	1.99	2.15	2.30	2.83	63
4255	MOD 974	33.8	C.F. SKID-STEER	78 HP D	30,656	10.95	14.50	2.00	3.47	3.11	3.99	4.09	121
	CASE												
4265	W-14	1-1/2	CY ARTIC	83 HP D	52,284	15.59	20.25	3.44	6.01	3.31	6.91	4.36	148
4270	W-18	2	CY ARTIC	103 HP D	64,246	19.11	24.72	4.23	7.41	4.11	8.53	5.41	199
4275	W-24 C	2-1/2	CY ARTIC	132 HP D	88,998	25.93	33.57	5.86	10.25	5.27	11.80	6.93	236
4280	W-36	3-1/2	CY ARTIC	185 HP D	106,599	33.13	43.64	6.97	12.11	7.38	13.93	9.71	332
	CATERPILLAR												
4290	910	1-1/4	CY ARTIC	65 HP D	43,225	12.91	17.04	2.82	4.90	2.59	5.63	3.41	134
4295	920	1-3/4	CY ARTIC	80 HP D	56,111	16.32	21.31	3.68	6.42	3.19	7.38	4.20	184
4300	930	2-1/4	CY ARTIC	100 HP D	65,514	19.46	25.47	4.29	7.48	3.99	8.61	5.25	206
4305	950	3	CY ARTIC	130 HP D	91,515	26.97	35.72	5.97	10.36	5.19	11.91	6.82	288
4310	966-C	4	CY ARTIC	170 HP D	121,309	36.05	48.22	7.89	13.62	6.78	15.64	8.92	378
4315	980-C	5-1/4	CY ARTIC	260 HP D	177,591	51.64	69.45	10.79	18.26	10.37	20.38	13.65	577
4320	988-B	7	CY ARTIC	375 HP D	264,486	74.50	99.56	15.97	26.76	14.96	29.82	19.69	892

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	LOADERS - F.E. WHEEL TYPE (CONT'D) *****										
	CATERPILLAR (CONT'D)										
4325	992-C 12-1/2 CY ARTIC 690 HP D	539,005	150.28	204.12	32.32	53.67	27.53	59.75	36.22	1899	
	CLARK										
4335	35C 1-1/4 CY 82 HP D	48,218	14.85	19.51	3.16	5.49	3.27	6.31	4.30	171	
4340	45C 1-1/2 CY 107 HP D	55,364	17.68	23.11	3.63	6.33	4.27	7.28	5.62	187	
4345	55C 2 CY ARTIC 121 HP D	62,524	20.03	26.28	4.09	7.13	4.83	8.20	6.35	247	
4350	75-B 2-1/2 CY ARTIC 142 HP D	87,901	27.16	36.27	5.72	9.87	5.67	11.34	7.45	296	
4355	125B 3-1/2 CY ARTIC 212 HP D	124,907	39.62	53.43	8.10	13.91	8.46	15.96	11.13	419	
4360	175-B 4-1/2 CY ARTIC 273 HP D	157,550	48.59	65.92	9.55	16.08	10.89	17.94	14.33	527	
4365	275-B 6-1/2 CY ARTIC 360 HP D	216,201	63.41	84.37	13.07	21.96	14.36	24.49	18.90	739	
4370	475-B 12 CY ARTIC 632 HP D	455,005	128.56	173.31	27.36	45.62	25.22	50.82	33.18	1544	
	FIAT-ALLIS										
4380	345-B 1-3/4 CY ARTIC 80 HP D	44,950	14.25	18.97	2.93	5.07	3.19	5.82	4.20	175	
4385	FR-10 2 CY ARTIC 102 HP D	58,954	18.26	24.00	3.86	6.71	4.07	7.71	5.35	221	
4390	FR-12 2-1/2 CY ARTIC 108 HP D	65,049	19.81	25.95	4.27	7.43	4.31	8.55	5.67	245	
4395	FR-15 3 CY ARTIC 151 HP D	87,379	27.55	36.81	5.69	9.81	6.02	11.27	7.93	301	
4400	FR-20 4 CY ARTIC 202 HP D	128,035	38.58	50.72	8.38	14.57	8.06	16.76	10.60	425	
4405	345-B 6 CY ARTIC 335 HP D	199,754	59.06	79.02	12.05	20.17	13.37	22.47	17.59	700	
	INTERNATIONAL										
4415	510B 1-3/8 CY 80 HP D	40,381	13.33	17.85	2.62	4.52	3.19	5.20	4.20	157	
4420	515B 1-7/8 CY 100 HP D	49,183	16.40	21.93	3.19	5.51	3.99	6.33	5.25	191	
4425	520B 2-1/2 CY ARTIC 120 HP D	56,187	18.77	24.77	3.67	6.37	4.79	7.33	6.30	232	
4430	530 3-1/2 CY ARTIC 155 HP D	81,929	25.14	33.18	5.01	8.54	6.18	9.54	8.14	279	
4435	540 4-1/4 CY ARTIC 189 HP D	109,609	33.16	44.33	6.67	11.31	7.54	12.63	9.92	360	
4440	550 5-1/4 CY ARTIC 280 HP D	159,500	49.32	66.82	9.67	16.30	11.17	18.17	14.70	544	
4445	560B 7-1/2 CY ARTIC 415 HP D	232,656	69.97	92.22	14.23	24.27	16.56	27.12	21.79	873	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	LOADERS - F.E. WHEEL TYPE (CONT'D) *****									
	INTERNATIONAL (CONT'D)									
4450	570 12 CY ARTIC 590 HP D	423,046	119.90	161.99	25.42	42.33	23.54	47.15	30.97	1327
	TEREX (GM)									
4460	72-31B 3 CY ARTIC 160 HP D	83,776	27.10	36.03	5.46	9.45	6.38	10.86	8.40	309
4465	72-51B 4 CY ARTIC 231 HP D	127,204	38.37	50.47	7.79	13.29	9.22	14.85	12.13	465
4470	72-61 5-1/2 CY ARTIC 307 HP D	168,510	52.40	70.67	10.23	17.28	12.25	19.28	16.12	605
4475	72-71B 7-1/2 CY ARTIC 388 HP D	239,107	69.14	91.33	14.50	24.46	15.48	27.28	20.37	857
4480	72-81 9 CY ARTIC 434 HP D	346,005	93.51	123.64	20.98	35.37	17.32	39.46	22.78	1166
	TROJAN									
4490	1500 1-3/4 CY ARTIC 85 HP D	51,075	15.60	20.44	3.35	5.83	3.39	6.70	4.46	180
4495	1900 2-1/4 CY ARTIC 117 HP G	59,104	24.72	32.35	3.86	6.72	9.19	7.74	11.97	212
4500	2000 3 CY ARTIC 165 HP D	82,906	27.21	36.18	5.41	9.35	6.58	10.74	8.66	306
4505	2500 4 CY ARTIC 182 HP D	105,787	33.61	45.30	6.85	11.78	7.26	13.54	9.55	393
4510	3000 4-1/4 CY ARTIC 230 HP D	114,710	35.98	47.63	7.00	11.92	9.18	13.33	12.07	436
4515	5500 5-1/2 CY ARTIC 288 HP D	160,814	49.98	67.67	9.75	16.44	11.49	18.34	15.12	636
4520	7500 7 CY ARTIC 400 HP D	223,136	66.78	88.64	13.50	22.71	15.96	25.34	21.00	846
	LOADER-BACKHOE IND. TYPE TRACTOR *****									
	CASE									
4530	580C LDR/BHOE 7/8 CY FE BUCKET 55 HP D 24" B/H DIPPER	34,366	10.22	13.06	2.26	3.98	2.19	4.59	2.89	115
4535	680G LDR/BHOE 1-1/4 CY FE BUCKET 80 HP D 30" B/H DIPPER	52,629	15.46	19.74	3.47	6.10	3.19	7.03	4.20	165
	JOHN DEERE									
4545	410 LDR/BHOE 1 CY FE BUCKET 62 HP D 24" B/H DIPPER	35,080	10.88	14.06	2.31	4.03	2.47	4.63	3.25	137
4550	510 LDR/BHOE 1-1/2 CY FE BUCKET 80 HP D 30" B/H DIPPER	53,909	15.91	20.48	3.55	6.20	3.19	7.13	4.20	205

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE	COND.	SEVERE	COND.	
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	LOADER-BACKHOE CRLR TYPE TRACTOR *****									
	CASE									
4560	350 LDR/BHOE 3/4 CY FE BUCKET 39 HP D 24" B/H DIPPER	42,540	12.53	15.92	2.83	5.06	1.68	5.85	2.21	141
4565	450 LDR/BHOE 1 CY FE BUCKET 53 HP D 24" B/H DIP	53,748	16.04	20.41	3.56	6.39	2.28	7.39	3.01	167
	CATERPILLAR									
4575	931BLDR/BHOE 1 CY FE BUCKET 65 HP D 30" B/H DIPPER	50,005	15.86	20.21	3.32	5.95	2.80	6.87	3.69	207
	LOADER-BACKHOE ATTACHMENT'S ***** HYDRAULICLY OPERATED IMPACTOR MOUNTED ON BACKHOE BOOM TO FIT CASE AND JOHN DEERE BACKHOES (ADD TO BASIC LOADER-BACKHOE)									
4585	IMPACTOR WITH TAMPER TOOL	10,796	3.78		0.88	1.91	0.00			12
4590	IMPACTOR WITH CHISEL TOOL	10,184	3.58		0.84	1.81	0.00			11
	PILE EXTRACTORS ***** MKT CORPORATION									
4600	E2 700 FT-LBS 400CFM A	11,507	4.11		0.95	2.04	0.00			27
4605	E4 1000 FT-LBS 550CFM A	17,330	6.17		1.42	3.08	0.00			47
	VULCAN									
4615	400A 500 FT-LBS 450CFM A	13,582	4.84		1.11	2.41	0.00			30
4620	800A 1000 FT-LBS 900CFM A	18,349	6.65		1.51	3.26	0.00			57
4625	1200A 1640 FT-LBS 1350CFM A	21,516	7.96		1.77	3.82	0.00			97

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	PILE HAMMERS-DIESEL ***** (FUEL NOT INCLUDED)									
	MKT CORPORATION									
4635	DE-30B/20B (6-FT) 12,000 FT-LBS	29,787	10.18		2.44	5.28	0.00			74
4640	DE-30B/20B (6-FT) 16,800 FT-LBS	30,907	10.56		2.52	5.47	0.00			82
4645	DE-70B/50B (6-FT) 30,000 FT-LBS	53,276	18.17		4.36	9.44	0.00			138
4650	DE-70B/50B (6-FT) 42,000 FT-LBS	56,598	19.31		4.63	10.04	0.00			158
	PILE HAMMERS-SINGLE ACTING *****									
	VULCAN									
4660	1 15000 FT-LBS 750CFM A	29,604	10.41		2.42	5.25	0.00			101
4665	06 19500 FT-LBS 900CFM A	33,897	11.93		2.77	6.01	0.00			121
4670	08 26000 FT-LBS 1100CFM A	38,969	13.74		3.19	6.91	0.00			175
4675	010 32500 FT-LBS 1350CFM A	42,689	15.11		3.49	7.56	0.00			195
4680	012 39000 FT-LBS 1500CFM A	47,845	16.79		3.91	8.48	0.00			287
4685	014 42000 FT-LBS 1750CFM A	57,188	20.22		4.68	10.14	0.00			283
4690	016 48750 FT-LBS 1750CFM A	67,822	23.83		5.55	12.02	0.00			320
4695	020 60000 FT-LBS 2150CFM A	79,580	28.00		6.51	14.11	0.00			425
4700	030 90000 FT-LBS 2350CFM A	133,542	46.45		10.93	23.68	0.00			575
	PILE HAMMERS-DOUBLE ACTING *****									
	MKT CORPORATION									
4710	9-B-3 8750 FT-LBS 900CFM A	21,767	7.81		1.78	3.86	0.00			74
4715	10-B-3 13100 FT-LBS 1200CFM A	25,789	9.29		2.11	4.57	0.00			114
4720	11-B-3 19150 FT-LBS 1200CFM A	35,096	12.46		2.87	6.22	0.00			141
4725	5 (SELF STOP) 1000 FT-LBS 375CFM A	9,049	3.27		0.74	1.60	0.00			17
4730	6 (SELF STOP) 2500 FT-LBS 600CFM A	11,347	4.13		0.93	2.01	0.00			31
4735	7 (SELF STOP) 4150 FT-LBS 750CFM A	14,599	5.31		1.20	2.59	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	
	PILE HAMMERS-DOUBLE ACTING (CONT'D) *****												
	VULCAN												
4745	50C	15100 FT-LBS	1250CFM	A	37,630	13.34		3.08	6.67	0.00			153
4750	65C	19200 FT-LBS	1450CFM	A	43,126	15.31		3.53	7.65	0.00			153
4755	80C	24450 FT-LBS	1750CFM	A	46,276	16.50		3.78	8.20	0.00			184
4760	100C	32900 FT-LBS	2050CFM	A	55,709	19.83		4.55	9.87	0.00			232
4765	140C	36000 FT-LBS	2150CFM	A	70,191	24.81		5.75	12.45	0.00			287
4770	200C	50200 FT-LBS	2550CFM	A	101,315	35.56		8.29	17.96	0.00			398
	PILE HAMMERS-VIBRATORY *****												
	MKT CORPORATION												
4780	V5	WITH POWER PACK	59 HP	D	52,695	20.94		4.31	9.34	2.35			110
4785	V16	WITH POWER PACK	156 HP	D	102,961	43.00		8.43	18.26	6.22			215
4790	V20	WITH POWER PACK	295 HP	D	140,428	62.85		11.49	24.90	11.77			257
	PIPELAYER *****												
	CATERPILLAR												
4800	561D	15 FT BOOM, 40,000 LB CAP	105 HP	D	90,645	16.00	19.14	5.68	9.69	2.32	10.83	2.98	309
4805	571G	18 FT BOOM, 60,000 LB CAP	200 HP	D	152,032	27.52	32.98	9.52	16.25	4.41	18.15	5.67	500
4810	572G	18 FT BOOM, 90,000 LB CAP	200 HP	D	174,004	30.66	36.68	10.91	18.61	4.41	20.78	5.67	605
4815	583K	20 FT BOOM, 140,000 LB CAP	300 HP	D	222,179	40.45	48.50	13.93	23.76	6.61	26.53	8.50	900
4820	594H	24 FT BOOM, 200,000 LB CAP	410 HP	D	320,263	57.63	69.07	20.06	34.23	9.04	38.24	11.62	1230
	PUMPS-GROUT *****												
	C.M. PHILPOTT GROUT UNITS WITH GARDNER-DENVER PUMPS												
4830	SSF2-10 W/ (2 EA) FG-AG 6" X 3" X 6" PUMPS UNIT INCLUDES (2)-10 C.F. TANKS, AUTO. WATER METER, FITTINGS, HOSES & SKD MOUNTING CAPACITY: 21 GPM @ 252 PSI TO 60 GPM @ 90 PSI			600CFM	A	22,573	6.18	1.63	3.25	0.00			64

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		STAND-BY	ADJUSTABLE ELEMENTS				CWT
			CONDITION			AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	PUMPS-GROUT (CONT'D) ***** G.M. PHILPOTT GROUT UNITS WITH GARDNER-DENVER PUMPS									
4835	SSF2-20 W/ (2 EA) FD-FS 900CFM A 10" X 3" X 10" PUMPS UNIT INCLUDES (2)-20 C.F. TANKS, AUTO. WATER METER, FITTINGS, HOSES & SKID MOUNTING CAPACITY: 32 GPM AT 700 PSI TO 98 GPM @ 252 PSI	35,323	9.62		2.54	5.07	0.00			107
	PUMPS-WATER-FOR CORE DRILLS ***** LONGYEAR									
4845	520 RQG 5.7-20 GPM UP TO 600PSI 10 HP G	5,445	2.58		0.37	0.68	1.08			7
4850	535 RQG 9.9-35 GPM UP TO 800PSI 15 HP G	6,878	3.59		0.45	0.85	1.62			10
	PUMPS-WATER-CENTRIF.-DEWATERING ***** HOMELITE, SKID MOUNTED									
4860	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	361	0.37		0.03	0.05	0.22			1
4865	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	458	0.51		0.03	0.05	0.32			1
4870	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	828	1.32		0.06	0.10	0.87			2
	MARLOW, WHEEL MOUNTED									
4880	MOD 4D2 465 GPM @ 20 ' HEAD 43 HP G	7,201	7.67		0.48	0.89	4.66			14
4885	MOD 4C7 595 GPM @ 20 ' HEAD 30 HP D	4,137	3.17		0.27	0.51	1.67			10
4890	MOD 6E4A 1100 GPM @ 20 ' HEAD 79 HP G	9,551	13.30		0.63	1.18	8.55			15
4895	MOD 6E4A 1100 GPM @ 20 ' HEAD 60 HP D	13,747	7.50		0.91	1.70	3.34			24
4900	MOD 8FA3 2320 GPM @ 20 ' HEAD 70 HP D	17,700	9.10		1.17	2.18	3.90			23
4905	MOD 10FA61 2775 GPM @ 20 ' HEAD 68 HP D	18,786	9.16		1.24	2.31	3.78			30

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	
	PUMPS-WATER-CENTRIF.-TRASH *****									
	HOMELITE, SKID MOUNTED									
4915	MOD 121TP 2" - 11500 GPH @ 20' H 5 HP G	727	0.86		0.05	0.09	0.54			1
4920	MOD 120 3" - 23000 GPH @ 20' H 8 HP G	1,011	1.37		0.07	0.13	0.87			2
4925	MOD 160TF 4" - 36500 GPH @ 20' H 16 HP G	2,027	2.71		0.14	0.25	1.73			4
	PUMPS-WATER-DIAPHRAGM *****									
	HOMELITE, SKID MOUNTED									
4935	MOD 111DP 2" - 1900 GPH @ 10' HD 3 HP G	873	0.61		0.06	0.11	0.32			1
4940	MOD 111DP 3" - 4800 GPH @ 10' HD 3 HP G	1,011	0.64		0.07	0.13	0.32			2
	PUMPS-WATER-SUBMERSIBLE *****									
	HOMELITE									
4950	MOD SP200 2" - 13000 GPH @ 10' HD 2 HP E	1,110	0.37		0.07	0.13	0.13			1
4955	MOD SP300 3" - 19000 GPH @ 15' HD 4 HP E	1,371	0.58		0.09	0.16	0.25			1
	RIPPER & HYDR. BANK SLOPER ***** (DOES NOT INCLUDE COST OF POINT WEAR)									
	ATECO									
4965	VRAR-1 D9H RADIAL LIFT	33,857	8.57	11.53	2.44	4.87	0.00	6.01	0.00	136
4970	D-9H SHANKS EA	2,650	0.66	0.90	0.19	0.38	0.00	0.47	0.00	15
4975	LPAS-D8K PARALLEL LIFT	19,643	4.99	6.72	1.41	2.82	0.00	3.49	0.00	87
4980	D-8K SHANKS EA	3,630	0.91	1.23	0.26	0.52	0.00	0.64	0.00	19
4985	LPAS-D7G PARALLEL LIFT	16,343	4.18	5.60	1.18	2.36	0.00	2.91	0.00	45
4990	D-7G SHANKS EA	2,554	0.63	0.87	0.18	0.36	0.00	0.46	0.00	10
4995	PS D6D RADIAL LIFT	7,453	1.93	2.58	0.54	1.07	0.00	1.32	0.00	24
5000	D-6C SHANKS EA	259	0.06	0.08	0.02	0.03	0.00	0.04	0.00	1
5005	V-LPRF-TD25C PARALLEL LIFT STD SVC	16,888	4.31	5.78	1.22	2.43	0.00	3.00	0.00	89
5010	TD-25C SHANKS EA	1,524	0.38	0.52	0.11	0.22	0.00	0.27	0.00	8

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	RIPPER & HYDR. BANK SLOPER (CONT'D) ***** (DOES NOT INCLUDE COST OF POINT WEAR)									
	ATECO (CONT'D)									
5015	V-LPRF-TD20E PARALLEL LIFT STD SVC	12,358	3.16	4.25	0.89	1.77	0.00	2.20	0.00	51
5020	TD-20E SHANKS EA	1,112	0.28	0.38	0.08	0.16	0.00	0.20	0.00	4
5025	PS-TD15C RADIAL LIFT	6,955	1.81	2.42	0.50	1.00	0.00	1.24	0.00	22
5030	TD-15C SHANKS EA	241	0.06	0.08	0.02	0.03	0.00	0.04	0.00	1
5035	V-LPRF 82-50 PARALLEL LIFT STD SVC	19,062	4.86	6.51	1.38	2.75	0.00	3.38	0.00	96
5040	82-50 SHANKS EA	1,524	0.38	0.52	0.11	0.22	0.00	0.27	0.00	8
5045	LPRS-82-50 PARALLEL LIFT EXT SVC	18,530	4.72	6.35	1.34	2.67	0.00	3.30	0.00	88
5050	82-50 SHANKS EA	3,538	0.89	1.20	0.26	0.51	0.00	0.63	0.00	19
5055	V-LPRF-82-30 PARALLEL LIFT	16,888	4.31	5.78	1.22	2.43	0.00	3.00	0.00	89
5060	82-30 SHANKS EA	1,524	0.38	0.52	0.11	0.22	0.00	0.27	0.00	8
5065	D9,D8;82-30,82-50;TD25 HYDR BANK SLOP	7,242	1.57	1.98	0.48	0.89	0.00	1.04	0.00	28
	CATERPILLAR									
5075	D-10 MULTI-SHANK BEAM	39,722	10.05	13.51	2.86	5.72	0.00	7.05	0.00	150
5080	D-10 SHANKS EA	2,921	0.73	0.99	0.21	0.42	0.00	0.52	0.00	15
5085	D-10 SINGLE-SHANK BEAM	42,446	10.67	14.38	3.06	6.11	0.00	7.54	0.00	165
5090	D-9 MULTI-SHANK BEAM W/HYD-CONTROL	31,209	7.90	10.64	2.25	4.49	0.00	5.55	0.00	132
5095	D-9 SHANKS EA	1,543	0.39	0.53	0.11	0.22	0.00	0.28	0.00	8
5100	D-9 SINGLE-SHANK BEAM HYD-CNTL&SHANK	29,036	7.36	9.90	2.10	4.18	0.00	5.16	0.00	124
5105	D-8 MULTI-SHANK BEAM HYD-CONTROL	22,045	5.60	7.53	1.59	3.17	0.00	3.92	0.00	103
5110	D-8 SHANKS EA	1,474	0.37	0.50	0.11	0.21	0.00	0.26	0.00	7
5115	D-8 SINGLE-SHANK BEAM HYD-CNTL&SHANK	21,402	5.44	7.31	1.54	3.08	0.00	3.80	0.00	100
5120	D-7 MULTI-SHANK BEAM HYD-CONTROL	12,810	3.29	4.41	0.93	1.85	0.00	2.28	0.00	57
5125	D-7 SHANKS EA	769	0.19	0.26	0.06	0.11	0.00	0.14	0.00	4
5130	D-6 MULTI-SHANK BEAM HYD-CONTROL	8,029	2.08	2.78	0.58	1.16	0.00	1.43	0.00	34
5135	D-6 SHANKS EA	396	0.10	0.13	0.03	0.06	0.00	0.07	0.00	2
5140	D-4 MULTI-SHANK BEAM HYD-CONTROL	4,946	1.30	1.74	0.36	0.71	0.00	0.88	0.00	20

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	RIPPER & HYDR. BANK SLOPER (CONT'D) ***** (DOES NOT INCLUDE COST OF POINT WEAR) CATERPILLAR (CONT'D)									
5145	D-4 SHANKS EA	209	0.05	0.07	0.02	0.03	0.00	0.04	0.00	1
5150	D-3 FIVE-SHANK BEAM HYD-CONTROL	2,201	0.62	0.80	0.16	0.32	0.00	0.39	0.00	7
5155	D-3 SHANKS EA	116	0.03	0.04	0.01	0.02	0.00	0.02	0.00	1
	FIAT-ALLIS									
5165	41-R W/HYD-CNTL AND 2 SHANKS	45,109	11.39	15.33	3.25	6.49	0.00	8.01	0.00	195
5170	31-R W/HYD-CNTL AND 2 SHANKS	36,592	9.25	12.45	2.64	5.27	0.00	6.50	0.00	189
5175	30-R W/HYD-CNTL AND 2 SHANKS	23,753	6.02	8.10	1.71	3.42	0.00	4.22	0.00	108
5180	RP20B W/HYD-CNTL AND 2 SHANKS	22,454	5.69	7.66	1.62	3.23	0.00	3.99	0.00	89
	ROLLERS-RUBBER-TIRED-SELF PROPELLED *****									
	INGRAM									
5190	9-2800-P 12 TON 107 HP G	23,983	15.84		1.57	2.88	8.40			77
5195	9-2800-PA 12 TON 76 HP D	29,521	10.41		1.93	3.56	3.03			89
5200	11-2700 15 TON 107 HP G	28,602	16.89		1.87	3.43	8.40			89
5205	11-2700 15 TON 76 HP D	31,460	10.86		2.06	3.78	3.03			91
5210	13-2300 15 TON 107 HP G	29,174	17.03		1.90	3.48	8.40			94
5215	13-2300 15 TON 76 HP D	32,850	11.20		2.15	3.94	3.03			96
5220	9-6000 27 TON 117 HP D	70,119	21.67		4.57	8.36	4.67			208
	ROLLER-RUBBER TIRED-TOWED *****									
	FERGUSON-TOWED									
5235	RT-100S 50 TON	52,255	11.11		3.13	5.12	0.00			200
5240	RT-120S 60 TON	60,958	13.05		3.70	6.20	0.00			233

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.	FUEL	SEVERE COND.	FUEL	
			AVERAGE	SEVERE		OWNER-SHIP		OWNER-SHIP		
	ROLLER-RUBBER TIRED-TOWED (CONT'D)									

	SOUTHWEST-TOWED									
5250	C 75 75 TON	61,664	12.98		3.60	5.69	0.00			347
5255	C 50 50 TON	55,945	11.96		3.37	5.57	0.00			309
	ROLLER-SHEEPS FOOT-DOUBLE DRUM									

	FERGUSON-TOWED									
5265	MOD 112 40"X48"	11,027	2.56		0.73	1.36	0.00			65
5270	MOD 112W-48 48"X48"	13,441	3.09		0.89	1.65	0.00			105
5275	MOD 120 60"X60"	21,622	4.91		1.43	2.66	0.00			157
5280	MOD 120 MODIFIED 60"X60"	33,090	7.47		2.19	4.08	0.00			230
5285	MOD 120-RE 60"X60"	54,417	12.20		3.60	6.70	0.00			327
5290	MOD 22 60"X72"	29,703	6.71		1.97	3.66	0.00			215
5295	MOD 22 MODIFIED 60"X72"	38,622	8.70		2.56	4.76	0.00			269
5300	MOD 144-RE 60"X72"	64,044	14.35		4.24	7.89	0.00			385
	CATERPILLER-SELF PROPELLED									
5310	815 40.5"X38" 170 HP D	104,833	31.71		6.93	12.91	6.78			363
5315	825C 51"X41.5" 310 HP D	185,752	56.63		12.28	22.88	12.37			633
5320	825C W/S BLADE 310 HP D	195,555	58.80		12.93	24.08	12.37			683
	HYSTER-SELF PROPELLED									
5330	C455-B TANDEM 80"X80" ARTIC 330 HP D	209,659	62.93		13.86	25.82	13.17			573
	ROLLER-SMOOTH WHEEL-SELF PROPELLED									

	INGRAM									
5340	8 TON CB 3 WHEEL 3" OVERLAP 107 HP G	35,451	18.30		2.35	4.37	8.40			124
5345	8 TON CB 3 WHEEL 3" OVERLAP 76 HP D	39,128	12.46		2.59	4.82	3.03			126
5350	12 TON EB 3 WHEEL 3" OVERLAP 107 HP G	43,089	20.00		2.85	5.31	8.40			203
5355	12 TON EB 3 WHEEL 3" OVERLAP 86 HP D	46,766	14.64		3.09	5.76	3.43			205

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

UNIT NO.	EQUIPMENT					VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS					CWT
							CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
							AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	ROLLER-SMOOTH WHEEL-S/P (CONT'D) *****													
	INGRAM (CONT'D)													
5360	14	TON	EB 3	WHEEL 3" OVERLAP	107 HP G	45,784	20.60	3.03	5.64	8.40			241	
5365	14	TON	EB 3	WHEEL 3" OVERLAP	86 HP D	49,461	15.24	3.27	6.09	3.43			243	
5370	4-6	TON	FB 2	WHEEL TANDEM	53 HP G	21,758	9.99	1.43	2.67	4.16			82	
5375	6-9	TON	GB 2	WHEEL TANDEM	107 HP G	29,335	16.94	1.94	3.61	8.40			133	
5380	6-9	TON	GB 2	WHEEL TANDEM	76 HP D	33,012	11.09	2.18	4.06	3.03			135	
5385	8-12	TON	HB 2	WHEEL TANDEM	107 HP G	35,512	18.31	2.35	4.37	8.40			171	
5390	8-12	TON	HB 2	WHEEL TANDEM	76 HP D	39,189	12.47	2.60	4.83	3.03			173	
5395	10-14	TON	HB 2	WHEEL TANDEM	107 HP G	38,586	18.99	2.55	4.75	8.40			258	
5400	10-14	TON	HB 2	WHEEL TANDEM	76 HP D	42,275	13.16	2.80	5.21	3.03			262	
	ROLLER-VIBRATORY-SINGLE DRUM ***** TF=ROLLER W/TAMPING FEET													
	FERGUSON-TOWED													
5410	230		66"X78"	20 TON	77 HP D	57,954	23.66	4.16	7.97	4.29			234	
5415	230T		TF 55"X78"	21 TON	77 HP D	63,283	25.33	4.54	8.69	4.29			266	
5420	65		TF 60"X72"	11 TON	49 HP D	38,753	15.63	2.78	5.32	2.73			105	
	HYSTER-TOWED													
5430	C200B		48"X60"	12.5 TON	36 HP D	25,686	10.61	1.84	3.53	2.00			80	
5435	C210A		TF 58"X60"	14 TON	39 HP D	30,611	12.38	2.20	4.21	2.17			100	
	SOUTHWEST-TOWED													
5445	756		TF 66"X78"	20 TON	75 HP D	65,583	25.92	4.71	9.01	4.17			240	
	FERGUSON-SELF PROPELLED													
5455	SP 75D		60"X84"	22.5 TON	120 HP D	68,348	29.95	4.87	9.25	6.68			179	
5460	SP 75DT		TF 60"X84"	22.5 TON	120 HP D	78,481	33.15	5.59	10.64	6.68			217	
5465	SP 230D		66"X78"		148 HP D	77,525	34.78	5.52	10.50	8.24			302	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	ROLLER-VIBRATORY-SINGLE DRUM (CONT' ***** TF=ROLLER W/TAMPING FEET DYNAPAC-SELF PROPELLED									
5475	CA-25 60"X84" 18 TON 125 HP D	55,829	26.33		3.97	7.52	6.96			193
5480	CA-25S 61"X84" 22 TON 125 HP D	59,077	27.36		4.20	7.97	6.96			216
5485	CA-25PD 68"X84" 22 TON 125 HP D	67,692	30.08		4.82	9.15	6.96			240
5490	CA-30 61"X84" 22 TON 125 HP D	62,129	28.34		4.43	8.40	6.96			235
	I-RAND-SELF PROPELLED									
5500	SP-60 60"X100" 210 HP D	110,080	49.41		7.83	14.86	11.69			450
5505	SPF-56 TF 56"X84" 115 HP D	69,620	30.01		4.96	9.42	6.40			222
	RAYGO-SELF PROPELLED									
5515	RASCAL 410A 59"X84" ARTIC 88 HP D	83,598	32.58		5.97	11.35	4.90			358
5520	RASCAL 600A 60"X100" 119 HP D	72,874	31.35		5.15	9.70	6.62			358
	SCRAPERS-SELF PROPELLED ***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	CATERPILLAR									
5530	613-B 13 T 11 CY P.S. 150 HP D	101,943	33.27	42.41	6.56	11.85	6.14	13.74	8.03	311
5535	621-B 24 T 14-20 CY P.S. 330 HP D	200,520	60.95	78.98	12.85	23.12	12.13	26.77	15.94	640
5540	623-B 25 T 22 CY P.S. 330 HP D	223,395	68.66	87.33	14.42	26.15	13.51	30.32	17.67	702
5545	627-B 24 T 14-20 CY P.S. 225/225 HP D/D	234,967	79.94	101.88	15.13	27.37	17.48	31.71	22.68	718
5550	627-B PP 24 T 14-20 CY P.S. 225/225 HP D/D	249,751	82.90	105.52	16.11	29.20	17.48	33.84	22.68	758
5555	631-D 37.5T 21-31 CY P.S. 450 HP D	310,481	91.20	117.95	19.93	35.90	16.54	41.57	21.73	920
5560	633-D 37.5T 34 CY P.S. 450 HP D	354,276	105.92	134.73	22.82	41.30	18.43	47.86	24.10	1024
5565	637-D 37.5T 21-31 CY P.S. 450/255 HP D/D	382,173	127.15	161.82	24.67	44.74	27.39	51.86	35.53	1040
5570	637-D PP 37.5T 21-31 CY P.S. 450/255 HP D/D	398,904	130.49	165.94	25.77	46.80	27.39	54.26	35.53	1073
5575	641-B 47 T 28-38 CY P.S. 550 HP D	383,734	112.34	145.29	24.64	44.39	20.21	51.41	26.56	1162
5580	651-B 52 T 32-44 CY P.S. 550 HP D	399,770	115.53	149.23	25.69	46.36	20.21	53.71	26.56	1186

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	SCRAPERS-SELF PROPELLED (CONT'D) ***** (CAPACITY AS RECOMMENDED BY MFG HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	CATERPILLAR (CONT'D)									
5585	657-B 52 T 32-44 CY P.S. 550/400 HP D/D	493,475	167.19	212.99	31.81	57.61	36.91	66.76	47.88	1415
	CLARK									
5595	110-9 11 T 9.5CY P.S. 160 HP D	92,773	31.41	40.04	5.98	10.82	6.55	12.55	8.57	286
5600	110-11B 13 T 11 CY P.S. 174 HP D	106,555	35.45	45.13	6.87	12.46	7.13	14.44	9.32	345
5605	110-15B 18 T 15 CY P.S. 232 HP D	139,933	44.99	57.42	8.99	16.22	9.50	18.79	12.42	456
5610	110H-TB 19 T 16 CY P.S. 140/140 HP D/D	190,335	60.75	77.26	12.31	22.38	11.47	25.95	14.99	521
5615	210-HB 26.5T 23 CY P.S. 324 HP D	234,005	71.01	90.29	15.10	27.36	13.27	31.70	17.35	710
	FIAT-ALLIS									
5625	161 18.7 T 15 CY P.S. 229 HP D	154,845	47.90	60.98	9.98	18.06	9.38	20.93	12.26	449
5630	260B 25 T 15-21 CY P.S. 325 HP D	218,481	63.91	82.41	14.08	25.46	11.94	29.49	15.70	613
5635	261B 26.5T 23 CY P.S. 325 HP D	260,309	75.98	96.31	16.86	30.70	13.31	35.61	17.40	710
5640	262B 25 T 15-21 CY P.S. 325/171 HP D/D	257,512	86.68	110.32	16.62	30.15	19.27	34.95	25.00	702
5645	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	304,742	98.05	124.59	19.77	36.07	20.31	41.85	26.56	764
	INTERNATIONAL									
5655	412B 13 T 11 CY P.S. 168 HP D	99,069	33.36	42.50	6.39	11.57	6.88	13.41	9.00	335
5660	431B 24 T 14-21 CY P.S. 326 HP D	197,781	60.21	78.06	12.67	22.78	11.98	26.37	15.75	594
5665	433B 24 T 14-21 CY P.S. 326/185 HP D/D	232,211	82.35	105.04	14.95	27.03	19.85	31.31	25.75	690
5670	442B 25 T 22 CY P.S. 326 HP D	221,065	68.89	87.82	14.22	25.66	13.35	29.71	17.46	680
5675	444B 25 T 22 CY P.S. 326/185 HP D/D	260,851	85.05	111.35	16.81	30.44	18.78	35.27	24.68	805
	JOHN DEERE									
5685	JD762 13.7 T 11 CY P.S. 175 HP D	108,445	35.78	45.49	7.01	12.73	7.17	14.75	9.37	355
5690	JD862 20 T 16 CY P.S. 250 HP D	146,000	47.16	60.15	9.40	16.97	10.24	19.66	13.39	492

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	SCRAPERS-SELF PROPELLED (CONT'D) ***** (CAPACITY AS RECOMMENDED BY MFR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	TEREX (QM)									
5700	S-23E 26.5T 23 CY P.S. 310 HP D	216,267	67.09	85.53	13.89	25.06	12.69	29.02	16.60	658
5705	S-24B 40.8T 24-34 CY P.S. 475 HP D	334,569	98.78	128.17	21.41	38.40	17.46	44.44	22.94	955
5710	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	212,372	66.13	84.12	13.69	24.79	11.19	28.73	14.52	544
5715	TS-18 30 T 18-24 CY P.S. 295/225 HP D/D	279,339	93.05	118.41	18.04	32.72	20.20	37.92	26.21	721
5720	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	374,962	121.07	153.97	24.21	43.92	24.05	50.90	31.20	959
5725	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	426,554	139.87	178.11	27.48	49.74	27.86	57.64	36.14	1084
	WABCO									
5735	101G 13 T 11 CY P.S. 161 HP D	99,434	33.51	42.74	6.39	11.52	6.59	13.33	8.62	317
5740	222H 25 T 22 CY P.S. 332 HP D	213,170	67.59	86.22	13.70	24.69	13.60	28.58	17.78	648
5745	229H 25 T 15-21 CY P.S. 332 HP D	184,055	57.75	75.05	11.77	21.09	12.20	24.40	16.04	594
5750	252FT 32 T 27 CY P.S. 327/320 HP D/D	372,827	125.80	160.46	24.05	43.59	26.49	50.51	34.65	1010
5755	259FT 37 T 22-31 CY P.S. 327/328 HP D/D	356,535	122.87	156.88	22.97	41.58	26.82	48.18	35.08	1022
5760	333F 38 T 32 CY P.S. 467 HP D	309,953	97.40	124.23	19.91	35.90	19.12	41.57	25.01	1020
5765	339F 41 T 25-34 CY P.S. 467 HP D	299,172	89.48	115.83	19.20	34.57	17.16	40.03	22.56	937
5770	353FT 43 T 36 CY P.S. 493/473 HP D/D	491,376	175.23	224.21	31.56	56.91	39.56	65.91	51.73	1350
	SCRAPER-TRACTOR DRAWN *****									
	ROME									
5780	ROME 18T 12-17CY HYDR/CONTROL	53,300	10.64	13.08	3.19	5.34	0.00	5.95	0.00	235
5785	ROME 27T 18-26CY HYDR/CONTROL	75,475	15.37	19.07	4.46	7.38	0.00	8.22	0.00	365
	SOUTHWEST									
5795	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	31,633	6.25	7.70	1.89	3.16	0.00	3.53	0.00	137

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	TRACTOR - CRAWLERS *****									
	CATERPILLAR									
5805	D-3B P.S. 65 HP D	32,725	10.65	13.61	2.18	3.78	2.80	4.34	3.69	126
5810	3P POWER ANGLE & POWER TILT	6,461	1.42	1.77	0.43	0.80	0.00	0.93	0.00	24
5815	D-4E P.S. 75 HP D	44,998	13.79	17.61	2.99	5.18	3.23	5.95	4.25	178
5820	4A ANGLE BLADE HYDRAULIC	8,372	1.81	2.27	0.55	1.03	0.00	1.20	0.00	30
5825	4S STRAIGHT BLADE HYDRAULIC	6,515	1.43	1.78	0.44	0.81	0.00	0.93	0.00	25
5830	D-5B P.S. 105 HP D	68,951	20.59	26.25	4.59	7.95	4.52	9.13	5.95	227
5835	5A ANGLE BLADE HYDRAULIC	10,381	2.24	2.81	0.69	1.29	0.00	1.49	0.00	43
5840	5S STRAIGHT BLADE HYDRAULIC	8,018	1.74	2.19	0.53	0.99	0.00	1.16	0.00	32
5845	D-6D P.S. 140 HP D	92,182	27.50	35.06	6.13	10.62	6.03	12.20	7.94	274
5850	6S STRAIGHT BLADE HYDRAULIC	10,493	2.25	2.84	0.69	1.29	0.00	1.51	0.00	49
5855	6A ANGLE BLADE HYDRAULIC	11,873	2.55	3.21	0.79	1.47	0.00	1.71	0.00	53
5860	D-7G P.S. 200 HP D	129,393	38.79	49.49	8.60	14.90	8.61	17.14	11.34	377
5865	7S STRAIGHT BLADE HYDRAULIC	16,881	3.59	4.53	1.11	2.08	0.00	2.43	0.00	77
5870	7U HYD. UNIVERSAL BLADE	18,500	3.94	4.96	1.23	2.29	0.00	2.66	0.00	84
5875	7A ANGLE BLADE HYDRAULIC	14,731	3.15	3.96	0.97	1.82	0.00	2.12	0.00	68
5880	D-8K P.S. 300 HP D	174,981	50.51	62.84	10.96	18.70	12.91	20.89	17.01	622
5885	8S STRAIGHT BLADE HYDRAULIC	24,651	5.23	6.58	1.63	3.05	0.00	3.54	0.00	121
5890	8U HYD. UNIVERSAL BLADE	27,175	5.76	7.26	1.80	3.36	0.00	3.91	0.00	133
5895	8A ANGLE BLADE HYDRAULIC	20,899	4.44	5.59	1.38	2.58	0.00	3.00	0.00	116
5900	PUSH PLATE USE W/8S	634	0.13	0.17	0.04	0.08	0.00	0.09	0.00	4
5905	D-9H P.S. 410 HP D	253,556	71.88	89.31	15.89	27.11	17.65	30.27	23.25	809
5910	9S STRAIGHT BLADE HYDRAULIC	31,766	6.71	8.47	2.10	3.92	0.00	4.57	0.00	173
5915	9A ANGLE BLADE HYDRAULIC	27,055	5.73	7.22	1.79	3.34	0.00	3.89	0.00	152
5920	9U HYD. UNIVERSAL BLADE	34,742	7.34	9.26	2.30	4.29	0.00	5.00	0.00	190
5925	9C CUSHION BLADE	26,198	5.55	7.00	1.73	3.24	0.00	3.77	0.00	142
5930	REAR CUSHION PUSH BLOCK	6,172	1.40	1.75	0.41	0.76	0.00	0.89	0.00	29
5935	FRONT PUSH PLATE	727	0.16	0.20	0.05	0.09	0.00	0.10	0.00	5

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	TRACTOR - CRAWLER (CONT'D) *****									
	CATERPILLAR (CONT'D)									
5940	D-10 P.S. 700 HP D	470,929	125.62	152.96	27.95	47.28	30.13	51.82	39.69	1513
5945	10S STRAIGHT BLADE HYDRAULIC	51,526	10.86	13.71	3.41	6.37	0.00	7.42	0.00	280
5950	10U HYD. UNIVERSAL BLADE	56,667	11.93	15.06	3.75	7.00	0.00	8.15	0.00	289
5955	FRONT PUSH PLATE	753	0.22	0.26	0.06	0.10	0.00	0.11	0.00	7
5960	REAR PUSH BLOCK	16,134	3.45	4.34	1.07	2.00	0.00	2.33	0.00	48
	FIAT-ALLIS									
5970	8-B P.S. 88 HP D	48,472	15.28	19.52	3.23	5.59	3.79	6.42	4.99	189
5975	8-HA ANGLE BLADE HYDRAULIC	7,290	1.59	1.99	0.48	0.90	0.00	1.05	0.00	30
5980	8-HSU SEMI-U BLADE HYDRAULIC	7,108	1.53	1.93	0.47	0.87	0.00	1.02	0.00	30
5985	10-C P.S. 122 HP D	65,031	20.71	26.48	4.33	7.49	5.25	8.61	6.92	256
5990	10-HA ANGLE BLADE HYDRAULIC	8,117	1.76	2.21	0.54	1.00	0.00	1.17	0.00	36
5995	10-HSU SEMI-U BLADE HYDRAULIC	9,696	2.08	2.62	0.65	1.20	0.00	1.40	0.00	38
6000	14-C P.S. 150 HP D	90,819	27.78	35.44	6.05	10.47	6.46	12.02	8.50	306
6005	14-HA ANGLE BLADE HYDRAULIC	12,425	2.66	3.35	0.82	1.53	0.00	1.79	0.00	51
6010	14-HSU SEMI-U BLADE HYDRAULIC	12,114	2.59	3.25	0.80	1.50	0.00	1.74	0.00	51
6015	20 P.S. 223 HP D	115,472	37.14	47.49	7.68	13.30	9.60	15.29	12.64	453
6020	20-HA ANGLE BLADE HYDRAULIC	13,232	2.83	3.57	0.87	1.63	0.00	1.91	0.00	66
6025	20-HS STRAIGHT BLADE HYDRAULIC	13,895	2.96	3.74	0.92	1.71	0.00	2.00	0.00	66
6030	20-HSU SEMI-U BLADE HYDRAULIC	18,456	3.92	4.94	1.22	2.28	0.00	2.66	0.00	79
6035	30-C P.S. 300 HP D	172,425	50.01	62.24	10.80	18.43	12.91	20.59	17.01	636
6040	30HSU HYD. SEMI-UNIVERSAL BLADE	25,653	5.43	6.84	1.69	3.17	0.00	3.69	0.00	127
6045	30-HU FULL-U BLADE HYDRAULIC	26,028	5.50	6.94	1.72	3.21	0.00	3.74	0.00	114
6050	31 P.S. 425 HP D	237,303	69.49	86.51	14.87	25.37	18.30	28.33	24.10	908
6055	31-HSU SEMI-U BLADE HYDRAULIC	38,618	8.14	10.28	2.55	4.77	0.00	5.56	0.00	190
6060	31-HU FULL-U BLADE HYDRAULIC	39,576	8.34	10.53	2.62	4.89	0.00	5.69	0.00	210
6065	31-HC CUSHION BLADE	25,397	5.38	6.78	1.68	3.14	0.00	3.65	0.00	120

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE	COND.	SEVERE	COND.	
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	TRACTOR - CRAWLER (CONT'D) *****									
	FIAT-ALLIS (CONT'D)									
6070	41-B P.S. 524 HP D	343,706	92.36	112.56	20.39	34.50	22.56	37.83	29.71	1128
6075	41-HSU SEMI-U BLADE HYDRAULIC	44,636	9.40	11.88	2.95	5.51	0.00	6.43	0.00	222
6080	41-HU FULL-U BLADE HYDRAULIC	51,122	10.77	13.59	3.38	6.32	0.00	7.36	0.00	254
6085	41-HC CUSHION BLADE	29,118	6.16	7.77	1.93	3.60	0.00	4.19	0.00	120
	INTERNATIONAL									
6095	TD-7-E P. S. W/HYD BLADE 65 HP D	41,813	12.56	16.02	2.78	4.82	2.80	5.53	3.69	139
6100	TD-8-E P.S. W/HYD BLADE 78 HP D	51,925	15.43	19.70	3.45	5.98	3.36	6.88	4.42	172
6105	TD-12 P.S. W/HYD BLADE 110 HP D	72,092	21.53	27.47	4.79	8.30	4.74	9.54	6.24	267
6110	TD-15-C P.S. 140 HP D	86,262	26.24	33.49	5.74	9.94	6.03	11.42	7.94	271
6115	15D-2 HYD. SEMI-UNIVERSAL BLADE	9,897	2.12	2.68	0.65	1.22	0.00	1.43	0.00	46
6120	15G-2 ANGLE BLADE HYDRAULIC	11,160	2.39	3.01	0.74	1.38	0.00	1.61	0.00	50
6125	TD-20-E P.S. 210 HP D	129,233	39.32	50.19	8.60	14.89	9.04	17.11	11.91	414
6130	20D-2 HYD. SEMI-UNIVERSAL BLADE	17,515	3.72	4.69	1.16	2.16	0.00	2.52	0.00	61
6135	20G-2 ANGLE BLADE HYDRAULIC	11,828	2.54	3.18	0.79	1.47	0.00	1.70	0.00	71
6140	TD-25-E P.S. 310 HP D	169,886	50.07	62.35	10.65	18.16	13.35	20.29	17.58	604
6145	25D-2 HYD. SEMI-UNIVERSAL BLADE	21,564	4.56	5.77	1.42	2.66	0.00	3.11	0.00	113
6150	25G-2 ANGLE BLADE HYDRAULIC	17,804	3.78	4.77	1.18	2.20	0.00	2.57	0.00	115
6155	FRONT PUSHER CUSHION	8,370	1.81	2.27	0.55	1.03	0.00	1.20	0.00	29
6160	REAR PUSHER CUSHION	4,451	1.04	1.29	0.30	0.55	0.00	0.64	0.00	23
6165	FRONT PUSH BLOCK /S BLD	693	0.20	0.24	0.04	0.08	0.00	0.10	0.00	12
	JOHN DEERE									
6175	JD350C/6305 D.D. W/HYD BLADE 42 HP D	28,315	8.39	10.69	1.88	3.26	1.81	3.75	2.38	107
6180	JD450C/6405 D.D. W/HYD BLADE 65 HP D	39,435	12.05	15.39	2.62	4.54	2.80	5.22	3.69	143
6185	JD550/6405 P.S. W/HYD BLADE 72 HP D	47,098	14.08	17.95	3.14	5.43	3.10	6.23	4.08	155

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	TRACTOR - CRAWLER (CONT'D) *****									
	KOMATSU									
6195	D31A-16 H.S. 63 HP D	32,118	10.39	13.28	2.13	3.70	2.71	4.26	3.57	128
6200	ANGLE TILTDOZER BLADE	5,207	1.14	1.43	0.34	0.64	0.00	0.75	0.00	20
6205	D45A-1 H.S. 90 HP D	48,229	15.33	19.60	3.20	5.55	3.87	6.39	5.10	200
6210	ANGLE TILTDOZER BLADE	3,722	0.83	1.04	0.24	0.46	0.00	0.54	0.00	24
6215	D53A-16A H.S. 118 HP D	70,668	21.69	27.68	4.70	8.14	5.08	9.36	6.69	246
6220	ANGLE TILTDOZER BLADE	6,198	1.34	1.69	0.41	0.76	0.00	0.89	0.00	42
6225	D65E-6 H.S. 155 HP D	99,970	30.00	38.27	6.65	11.52	6.67	13.24	8.79	377
6230	ANGLE TILTDOZER BLADE	8,092	1.75	2.20	0.54	1.00	0.00	1.17	0.00	61
6235	D85A-18 H.S. 220 HP D	125,647	39.13	49.98	8.36	14.48	9.47	16.64	12.47	437
6240	ANGLE TILTDOZER BLADE	12,664	2.70	3.40	0.83	1.56	0.00	1.82	0.00	99
6245	U-DOZER BLADE	13,512	2.88	3.62	0.89	1.67	0.00	1.94	0.00	104
6250	D155A-1 H.S. 320 HP D	180,547	56.46	72.12	12.01	20.81	13.78	23.91	18.14	690
6255	ANGLE TILTDOZER BLADE	17,381	3.69	4.65	1.15	2.15	0.00	2.50	0.00	140
6260	U-DOZER BLADE	18,365	3.90	4.91	1.21	2.27	0.00	2.64	0.00	142
6265	D355A-3 H.S. 410 HP D	243,234	69.85	86.86	15.24	26.00	17.65	29.04	23.25	945
6270	U-DOZER BLADE	23,625	5.00	6.31	1.56	2.92	0.00	3.40	0.00	196
6275	STRAIGHT DOZER BLADE	21,509	4.56	5.74	1.42	2.66	0.00	3.09	0.00	184
6280	D455A-1 H.S. 620 HP D	430,551	113.80	138.47	25.55	43.23	26.69	47.39	35.15	1445
6285	FULL U-DOZER BLADE	56,874	11.97	15.11	3.76	7.03	0.00	8.18	0.00	229
6290	U-DOZER BLADE	53,453	11.26	14.20	3.54	6.61	0.00	7.69	0.00	211
6295	STRAIGHT DOZER BLADE	50,032	10.53	13.29	3.31	6.18	0.00	7.19	0.00	193
	TEREX (GM)									
6305	82-20B P.S. (W/O BLADE) 205 HP D	134,539	40.16	51.23	8.95	15.50	8.83	17.81	11.62	409
6310	SEMI-U BLADE HYDRAULIC	12,568	2.68	3.37	0.83	1.55	0.00	1.80	0.00	58
6315	ANGLE BLADE HYDRAULIC	14,069	3.00	3.78	0.93	1.74	0.00	2.03	0.00	69
6320	FULL-U BLADE HYDRAULIC	14,406	3.07	3.86	0.96	1.78	0.00	2.07	0.00	68

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	TRACTOR - CRAWLER (CONT'D) *****										
	TEREX (GM) (CONT'D)										
6325	82-30B P.S. (W/O BLADE) 260 HP D	155,390	44.53	55.35	9.74	16.62	11.19	18.55	14.74	555	
6330	SEMI-U BLADE HYDRAULIC	17,770	3.77	4.75	1.17	2.19	0.00	2.55	0.00	91	
6335	ANGLE BLADE HYD. w/DUAL TILT	23,300	4.93	6.22	1.54	2.88	0.00	3.35	0.00	118	
6340	FULL-U BLADE HYDRAULIC	20,166	4.28	5.39	1.34	2.50	0.00	2.90	0.00	107	
6345	REAR CUSHION PUSH BLOCK	5,846	1.32	1.65	0.38	0.72	0.00	0.84	0.00	30	
6350	82-50B P.S. (W/O BLADE) 370 HP D	221,192	63.37	78.78	13.86	23.65	15.93	26.41	20.98	776	
6355	SEMI-U BLADE HYDRAULIC	23,218	4.87	6.15	1.54	2.87	0.00	3.34	0.00	118	
6360	FULL-U BLADE HYDRAULIC	25,447	5.33	6.74	1.68	3.14	0.00	3.66	0.00	129	
6365	ANGLE BLADE HYDRAULIC	24,989	5.24	6.61	1.65	3.09	0.00	3.59	0.00	157	
6370	PUSH PLATE (WELD ON)	939	0.19	0.25	0.06	0.11	0.00	0.14	0.00	6	
6375	PUSH BLOCK (CUSHION REAR)	5,387	1.12	1.43	0.35	0.66	0.00	0.78	0.00	21	
	TRACTOR - WHEEL TYPE DOZERS *****										
	CATERPILLAR										
6385	814 ARTICULATED ST BLADE P.S. 170 HP D	110,687	31.91	44.39	7.16	12.93	6.78	14.98	8.92	366	
6390	824-C ARTICULATED ST BLADE P.S. 300 HP D	190,617	56.48	80.68	12.24	21.92	11.97	25.36	15.75	603	
	CLARK										
6400	280 ARTICULATED ST BLADE P.S. 274 HP D	209,134	59.30	85.30	13.41	24.00	10.93	27.76	14.38	691	
6405	380B ARTICULATED ST BLADE P.S. 473 HP D	340,698	94.23	131.31	21.83	39.01	18.87	45.11	24.83	1233	
	TRACTOR - WHEEL TYPE - FARM TYPE *****										
	JOHN DEERE										
6415	MOD 301 A 43 HP D	12,630	4.75	6.28	0.83	1.50	1.72	1.74	2.26	0	
6420	MOD 302 50 HP D	14,120	5.38	7.08	0.93	1.69	1.99	1.96	2.62	0	
6425	MOD 401 B 62 HP D	19,038	6.94	9.07	1.25	2.28	2.47	2.64	3.25	0	

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	
	TRENCHER-CHAIN-DITCH WITCH *****									
6435	MOD C99 6"X24" TRENCH 9 HP G	2,603	1.56	2.03	0.17	0.30	0.71	0.36	0.92	6
6440	MOD 2200 8"X36" TRENCH 17 HP G	11,523	4.44	5.76	0.76	1.40	1.34	1.62	1.74	30
6445	MOD 2300 10"X36" TRENCH 28 HP G	13,197	5.93	7.69	0.88	1.61	2.20	1.86	2.87	33
6450	MOD 6510 12"X54" TRENCH 64 HP D	29,080	10.04	13.15	1.91	3.50	2.55	4.06	3.36	72
6455	MOD R100 10"X72" TRENCH 105 HP D	62,987	20.36	27.07	4.11	7.48	4.19	8.67	5.51	95
	TRENCHER-WHEEL TYPE *****									
	BARBER-GREENE									
6465	MOD TA 56 16"X5'-10" TRENCH 100 HP D	99,343	27.51	35.07	6.58	12.17	3.99	14.14	5.25	250
6470	MOD TA 65 28"X7'-6" TRENCH 175 HP D	143,383	41.26	52.69	9.48	17.56	6.98	20.42	9.19	431
	CLEVELAND									
6480	MOD 247-HD-1 21"X7' TRENCH 84 HP D	116,129	30.47	38.79	7.68	14.22	3.35	16.54	4.41	277
6485	MOD 400W-HD-1 36"X9' TRENCH 175 HP D	201,790	54.44	69.35	13.35	24.72	6.98	28.73	9.19	659
	TRUCKS - HIGHWAY ***** (CHASSIS ONLY)									
	FORD									
6500	F150 4X2 1/2T PKUP 6100 GVW 157 HP G	6,087	6.49	8.55	0.44	0.84	3.74	1.03	4.86	38
6505	F150 4X4 1/2T PKUP 6250 GVW 157 HP G	7,557	6.86	9.07	0.54	1.05	3.74	1.28	4.86	42
6510	F250 4X2 3/4T PKUP 6900 GVW 157 HP G	6,477	6.63	8.75	0.46	0.88	3.74	1.07	4.86	40
6515	F250 4X4 3/4T PKUP 7400 GVW 157 HP G	7,841	6.98	9.29	0.55	1.06	3.74	1.31	4.86	44
6520	F350 4X2 1T 10000 GVW 157 HP G	7,406	6.91	9.21	0.52	0.98	3.74	1.20	4.86	42
6525	F600 2AX 18500 GVW 154 HP G	13,412	13.45	17.83	0.93	1.78	7.51	2.19	9.71	65
6530	F600 2AX 18500 GVW 162 HP D	18,525	10.57	14.17	1.30	2.51	4.51	3.08	5.83	65
6535	F700 2AX 24500 GVW 177 HP G	15,761	15.52	20.52	1.11	2.12	8.64	2.60	11.16	65
6540	F700 2AX 24500 GVW 162 HP D	20,924	11.16	14.97	1.48	2.85	4.51	3.50	5.83	73
6545	F800 2AX 27000 GVW 177 HP G	17,462	15.99	21.20	1.22	2.34	8.64	2.86	11.16	72
6550	F800 2AX 27000 GVW 162 HP D	22,297	11.77	16.09	1.55	2.93	4.51	3.59	5.83	76

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

UNIT NO.	EQUIPMENT					VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
							CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
							AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	TRUCKS - HIGHWAY (CONT'D) ***** (CHASSIS ONLY)														
	FORD (CONT'D)														
6555	LT800	3AX	43000	GVW 223 HP	G	26,653	28.44	37.75	1.86	3.55	16.19	4.35	20.96	110	
6560	LT8000	3AX	44800	GVW 175 HP	D	36,672	18.73	25.59	2.57	4.92	7.10	6.03	9.34	126	
6565	LTS8000	3AX	46000	GVW 175 HP	D	38,380	19.15	26.19	2.69	5.15	7.10	6.32	9.34	130	
6570	LNT8000	3AX	46000	GVW 175 HP	D	36,290	18.64	25.49	2.54	4.86	7.10	5.95	9.34	124	
6575	CT8000	3AX	46000	GVW 175 HP	D	42,331	20.12	27.50	2.97	5.71	7.10	7.01	9.34	136	
6580	LT9000	3AX	58000	GVW 82000 GCW 239 HP	D	55,677	26.94	36.79	3.91	7.51	9.70	9.21	12.75	172	
6585	LTS9000	3AX	60000	GVW 82000 GCW 239 HP	D	59,132	27.86	38.03	4.15	7.97	9.70	9.77	12.75	180	
6590	LNT9000	3AX	60000	GVW 82000 GCW 239 HP	D	56,076	27.11	37.01	3.93	7.53	9.70	9.23	12.75	175	
6595	CLT9000	3AX	82000	GCW 286 HP	D	55,216	29.19	39.65	3.89	7.49	11.61	9.18	15.26	149	
	GMC AND CHEVROLET														
6605	C10903	4X2	1/2T PKUP	6200	GVW 135 HP	G	6,676	5.96	7.88	0.48	0.92	3.21	1.12	4.18	42
6610	C10906	4X2	WAGON	6400	GVW 175 HP	G	7,782	7.47	9.87	0.55	1.07	4.16	1.31	5.41	47
6615	K10906	4X4	WAGON	6800	GVW 175 HP	G	8,843	7.73	10.25	0.63	1.22	4.16	1.50	5.41	51
6620	C20903	4X2	3/4T PKUP	7100	GVW 175 HP	G	7,374	7.38	9.74	0.52	1.01	4.16	1.24	5.41	48
6625	K20903	4X4	3/4T PKUP	6800	GVW 175 HP	G	8,440	7.65	10.16	0.60	1.16	4.16	1.43	5.41	51
6630	C30903	4X2	1T	9000	GVW 165 HP	G	6,948	7.01	9.25	0.49	0.94	3.93	1.14	5.11	45
6635	C5D042	2AX		14800	GVW 165 HP	G	10,327	13.35	17.56	0.72	1.38	8.05	1.69	10.41	59
6640	C6D042	2AX		21200	GVW 165 HP	G	12,313	13.90	18.38	0.86	1.63	8.05	1.99	10.41	64
6645	C6D042	2AX		21200	GVW 153 HP	D	17,077	9.89	13.26	1.20	2.30	4.26	2.82	5.50	73
6650	C7D042	2AX		23160	GVW 188 HP	G	13,466	15.72	20.80	0.94	1.77	9.17	2.17	11.86	72
6655	C7D042	2AX		27500	GVW 153 HP	D	19,811	10.70	14.49	1.38	2.62	4.26	3.22	5.50	83
6660	C7D064	3AX		44860	GVW 210 HP	G	25,072	26.96	35.97	1.73	3.25	15.24	3.98	19.74	120
6665	C7D064	3AX		44860	GVW 193 HP	D	29,446	17.94	24.55	2.04	3.87	7.84	4.74	10.30	112
6670	J8C042	2AX		35000	GVW 194 HP	D	32,472	18.56	25.12	2.28	4.38	7.88	5.37	10.35	102
6675	J8C064	3AX		44860	GVW 194 HP	D	35,852	19.58	26.75	2.51	4.78	7.88	5.86	10.35	139
6680	J9C042	2AX		29900	GVW 230 HP	D	47,128	20.26	27.33	3.34	6.46	6.40	7.92	8.27	123

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
						CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
						AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	TRUCKS - HIGHWAY (CONT'D) ***** (CHASSIS ONLY)												
	GMC AND CHEVROLET (CONT'D)												
6685	J9C064	3AX	48860 GVW	283 HP D	48,393	27.28	36.99	3.41	6.56	11.49	8.04	15.10	159
6690	N9E064	3AX	53480 GVW	290 HP D	57,496	29.94	40.64	4.05	7.80	11.77	9.57	15.47	163
6695	D9K064	3AX	80000 GVW	280 HP D	58,924	29.70	40.29	4.17	8.05	11.37	9.88	14.94	148
	INTERNATIONAL												
6705	SCOUT	4X4	6200 GVW	97 HP G	6,824	4.79	6.39	0.48	0.93	2.31	1.14	3.00	30
6710	1624	2AX	20000 GVW	147 HP G	10,340	12.19	16.06	0.72	1.38	7.17	1.69	9.27	57
6715	1724	2AX	20000 GVW	147 HP G	10,699	12.27	16.19	0.75	1.43	7.17	1.76	9.27	65
6720	1754	2AX	20000 GVW	165 HP D	14,944	9.73	12.94	1.06	2.04	4.59	2.49	5.93	71
6725	1824	2AX	21000 GVW	189 HP G	11,365	15.14	19.90	0.80	1.53	9.22	1.87	11.92	68
6730	1854	2AX	23000 GVW	180 HP D	17,085	10.85	14.50	1.20	2.30	5.01	2.82	6.47	74
6735	1924	2AX	25000 GVW	190 HP G	13,316	15.76	20.78	0.93	1.77	9.27	2.17	11.98	79
6740	1954	2AX	25000 GVW	210 HP D	22,069	13.16	17.54	1.56	3.01	5.85	3.69	7.55	100
6745	F2554	3AX	43000 GVW	210 HP D	36,640	20.60	28.10	2.56	4.89	8.53	5.99	11.21	123
6750	F2574	3AX	50000 GVW	230 HP D	43,883	23.41	31.88	3.09	5.92	9.34	7.26	12.27	123
6755	F4370	3AX	46000 GVW	290 HP D	46,197	27.09	36.73	3.25	6.24	11.77	7.66	15.47	133
6760	F5050	3AX	52000 GVW	225 HP D	44,688	23.34	31.81	3.14	6.03	9.13	7.40	12.01	138
6765	F5070	3AX	52000 GVW	290 HP D	48,004	27.54	37.34	3.38	6.50	11.77	7.98	15.47	140
	KENWORTH												
6775	K100 3AX	47400 GVW	72800 GCW	290 HP D	47,336	27.42	37.20	3.33	6.39	11.77	7.83	15.47	138
6780	W900 3AX	50000 GVW	76800 GCW	290 HP D	46,260	27.15	36.85	3.25	6.23	11.77	7.65	15.47	140
6785	C500 3AX	56000 GVW	86000 GCW	290 HP D	52,911	28.79	39.05	3.73	7.18	11.77	8.80	15.47	144
6790	BRUTE 3AX	62000 GVW	95300 GCW	290 HP D	56,929	29.77	40.40	4.01	7.74	11.77	9.51	15.47	179

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP		FUEL
	TRUCKS - HIGHWAY (CONT'D) ***** (CHASSIS ONLY)									
	PETERBILT									
6800	MOD 348 3AX 56000 GVW 250 HP D	53,992	27.08	36.85	3.79	7.28	10.15	8.93	13.34	121
6805	MOD 362 3AX 50000 GVW 76800 GCW 350 HP D	59,483	33.52	45.35	4.20	8.11	14.21	9.95	18.68	131
6810	MOD 359 3AX 50000 GVW 76800 GCW 350 HP D	64,243	34.69	46.94	4.54	8.78	14.21	10.79	18.68	134
6815	MOD 353 3AX 73000 GVW 125000 GCW 350 HP D	66,792	35.31	47.78	4.72	9.14	14.21	11.22	18.68	174
6820	MOD 387 3AX 83000 GVW 150000 GCW 350 HP D	89,955	41.00	55.48	6.39	12.42	14.21	15.26	18.68	193
	TRUCK ACCESSORIES ***** (CHASIS NOT INCLUDED)									
	CRANES-HYDRAULIC									
6830	5.3T65'RAD 24000 GVW MIN	22,168	5.38		1.60	3.19	0.00			79
6835	8.0T83'RAD 26500 GVW MIN	27,427	6.63		1.98	3.94	0.00			84
6840	12.5T84'RAD 27000 GVW MIN	41,625	10.01		2.99	5.97	0.00			142
6845	13.5T84'RAD 44000 GVW MIN	51,731	12.43		3.73	7.43	0.00			158
6850	15.0T84'RAD 48000 GVW MIN	58,461	14.03		4.21	8.39	0.00			211
	DUMP BODIES-REAR-W/HOIST									
6860	5CY 24M TO 26M GVW	4,857	1.22	1.63	0.35	0.69	0.00	0.86	0.00	26
6865	AIR GATE 8CY 27M TO 30M GVW	7,673	1.90	2.54	0.55	1.10	0.00	1.36	0.00	44
6870	AIR GATE 10CY 36M AND UP GVW	7,758	1.92	2.57	0.56	1.11	0.00	1.38	0.00	45
6875	AIR GATE 12CY 36M AND UP GVW	7,870	1.95	2.60	0.57	1.13	0.00	1.39	0.00	46
	FLATBEDS									
6885	8'X9.5'	1,637	0.40		0.12	0.24	0.00			11
6890	8'X10.5'	1,688	0.40		0.12	0.24	0.00			12
6895	8'X12.5'	1,844	0.45		0.14	0.27	0.00			14
6900	8'X14.5'	2,192	0.53		0.16	0.32	0.00			16
6905	8'X16.5'	2,401	0.58		0.18	0.35	0.00			18
6910	FLATBED-HOIST	2,286	0.55		0.17	0.33	0.00			10

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	TRUCK ACCESSORIES (CONT'D) ***** (CHASIS NOT INCLUDED)									
	FLATBEDS (CONT'D)									
6915	FLATBED-SIDEBOARDS	643	0.15		0.05	0.09	0.00			3
	HOISTS-ELECTRIC									
6925	1500LB@1.75'	1,726	0.47		0.12	0.24	0.00			4
6930	2400LB@3'	2,223	0.60		0.16	0.32	0.00			6
6935	5000LB@4'	6,063	1.52		0.44	0.87	0.00			15
6940	6000LB@6'	6,748	1.67		0.48	0.96	0.00			14
	TRANSIT MIXERS									
6950	7 CY 40000 - 50000 GVW RQD	21,427	5.23		1.54	3.08	0.00			63
6955	8 CY 50000 70000 GVW RQD	21,759	5.31		1.57	3.13	0.00			66
6960	8.5CY 55000 75000 GVW RQD	21,980	5.36		1.59	3.16	0.00			68
6965	9 CY 61000 80000 GVW RQD	22,292	5.43		1.60	3.20	0.00			73
	WATER TANKS									
6975	2000 GAL 23500-28000 GVW 7 HP G	8,860	2.85		0.64	1.28	0.55			35
6980	2500 GAL 25000-34950 GVW 7 HP G	9,314	2.96		0.67	1.34	0.55			42
6985	3000 GAL 29000-40000 GVW 7 HP G	9,841	3.08		0.71	1.41	0.55			46
	TRUCK TRAILERS *****									
	DUMPS-BELLY									
6995	18CY 27T	23,336	4.97	6.30	1.51	2.60	0.00	2.98	0.00	122
7000	20CY 30T	26,859	5.67	7.22	1.73	3.00	0.00	3.46	0.00	140
7005	30CY 30T	27,297	5.75	7.32	1.76	3.05	0.00	3.51	0.00	160
7010	28CY 42T	33,667	7.05	8.97	2.18	3.78	0.00	4.35	0.00	180
7015	20CY 35T OFF HIGHWAY	35,309	7.66	9.76	2.25	3.83	0.00	4.40	0.00	175
7020	32CY 55T OFF HIGHWAY	74,899	15.94	20.31	4.80	8.25	0.00	9.47	0.00	365
7025	43CY 70T OFF HIGHWAY	83,294	18.25	23.36	5.26	8.87	0.00	10.16	0.00	445

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	TRUCK TRAILERS (CONT'D) *****									
	DUMPS-END									
7035	20CY 24T	27,798	5.83	7.41	1.79	3.12	0.00	3.60	0.00	146
	LOWBOY-RIGID NECK-DROP DECK									
7045	25 TON 2 AXLE	17,354	3.48		1.11	1.84	0.00			89
7050	30 TON 2 AXLE	19,758	3.97		1.28	2.11	0.00			94
7055	35 TON 2 AXLE	23,951	4.75		1.55	2.57	0.00			109
7060	35 TON 3 AXLE	24,397	4.94		1.57	2.58	0.00			134
7065	40 TON 3 AXLE	25,802	5.25		1.65	2.71	0.00			144
7070	50 TON 3 AXLE	28,146	5.72		1.81	2.96	0.00			161
7075	60 TON 3 AXLE	31,013	6.28		1.98	3.25	0.00			188
7080	70 TON 3 AXLE	41,042	8.09		2.66	4.41	0.00			213
7085	75 TON 3 AXLE	41,891	8.25		2.71	4.51	0.00			228
7090	80 TON 4 AXLE	49,178	9.71		3.18	5.28	0.00			266
7095	90 TON 4 AXLE	54,261	10.70		3.50	5.82	0.00			297
7100	110 TON 4 AXLE	59,685	11.68		3.87	6.45	0.00			313
7105	120 TON 4 AXLE	67,782	13.68		4.33	7.09	0.00			351
7110	HELPER DOLLY 60 T TRAILER MAX	14,136	2.98		0.89	1.44	0.00			62
	PLATFORM TRAILERS									
7120	25 TON 2 AXLE	13,064	2.79		0.83	1.32	0.00			110
	PUP TRAILERS									
7130	8 CY LONG TONGUE	16,202	3.37		1.04	1.68	0.00			86
7135	10CY LONG TONGUE	16,329	3.39		1.04	1.69	0.00			86
	TILT TRAILERS									
7145	12 TON 2 AXLE	8,998	1.91		0.57	0.92	0.00			62
7150	16 TON 2 AXLE	9,264	1.99		0.59	0.95	0.00			65
7155	20 TON 2 AXLE	10,516	2.27		0.66	1.05	0.00			67

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 - OFF HIGHWAY *****													
	CATERPILLAR													
7165	769-C	35T 22-30 CY	P.S.	450 HP D	235,952	61.93	79.17	14.40	24.61	11.34	27.50	14.65	689	
7170	773-B	50T 30-45 CY	P.S.	650 HP D	331,924	88.55	113.59	20.19	34.42	16.38	38.47	21.16	890	
7175	777	85T 47-67 CY	P.S.	870 HP D	455,417	118.66	152.09	27.48	46.30	21.92	51.66	28.32	1346	
7180	768C	PRIME MOVER TRACTOR	P.S.	450 HP D	207,995	57.01	73.22	12.65	21.54	11.34	24.08	14.65	506	
7185	772B	PRIME MOVER TRACTOR	P.S.	650 HP D	312,565	87.37	113.26	18.87	31.82	16.38	35.50	21.16	705	
	DJB (ARTICULATED FRAME)													
7195	D275B	27.5T 15-20 CY	P.S.	235 HP D	174,817	41.61	52.61	10.65	18.19	5.92	20.33	7.65	424	
7200	D330B	33T 17-23 CY	P.S.	255 HP D	197,281	46.40	58.51	12.05	20.61	6.43	23.03	8.30	444	
7205	D350B	35T 20-26 CY	P.S.	255 HP D	206,020	49.61	63.23	12.45	21.04	6.43	23.48	8.30	472	
7210	D550	55T 32-43 CY	P.S.	450 HP D	344,954	83.16	105.73	20.91	35.44	11.34	39.58	14.65	834	
	EUCLID													
7220	R25-215FD	25T 14-19 CY	P.S.	214 HP D	147,853	35.29	44.77	9.00	15.36	5.39	17.17	6.97	404	
7225	R35-302TD	35T 22-30 CY	P.S.	430 HP D	225,837	58.98	75.27	13.80	23.62	10.84	26.40	14.00	623	
7230	R50-301LD	50T 31-41 CY	P.S.	576 HP D	302,899	80.98	104.19	18.39	31.25	14.52	34.91	18.75	836	
7235	R75-301ND	75T 46-69 CY	P.S.	646 HP D	404,948	101.31	129.84	24.42	41.14	16.28	45.90	21.03	1123	
7240	R85-306ND	85T 52-67 CY	P.S.	746 HP D	415,048	107.43	138.09	24.97	41.89	18.80	46.70	24.28	1227	
	INTERNATIONAL													
7250	330	36T 24-31 CY	P.S.	394 HP D	198,094	54.79	71.30	12.02	20.41	9.93	22.80	12.82	630	
7255	350B	50T 31-42 CY	P.S.	580 HP D	313,060	82.28	105.77	19.14	32.80	14.62	36.67	18.88	740	
	TEREX													
7270	33-03B	22T 15-18 CY	P.S.	215 HP D	128,434	32.77	41.90	7.83	13.38	5.42	14.95	7.00	400	
7275	33-05B	30T 19-23 CY	P.S.	321 HP D	185,685	48.04	61.59	11.31	19.28	8.09	21.54	10.45	525	
7280	33-07	40T 25-32 CY	P.S.	493 HP D	235,573	65.97	85.53	14.22	23.98	12.42	26.75	16.05	756	
7285	33-09	55T 34-44 CY	P.S.	624 HP D	318,393	87.51	113.38	19.23	32.45	15.72	36.22	20.31	992	

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 - OFF HIGHWAY (CONT'D) *****									
	TEREX (CONT'D)									
7290	33-11C 85T 51-65 CY P.S. 840 HP D	446,587	116.11	148.89	26.93	45.33	21.17	50.57	27.34	1227
	WABCO									
7300	HAULPAK 35D 35T 23-29 CY P.S. 420 HP D	219,993	58.12	74.46	13.40	22.86	10.58	25.54	13.67	571
7305	HAULPAK 50B 50T 31-40 CY P.S. 576 HP D	310,676	82.36	105.85	18.88	32.11	14.52	35.86	18.75	792
7310	HAULPAK 60 60T 34-48 CY P.S. 576 HP D	344,846	90.57	116.95	20.89	35.36	14.52	39.47	18.75	850
7315	75B 75T 44-57 CY P.S. 665 HP D	367,266	97.85	126.24	22.26	37.72	16.76	42.12	21.65	915
7320	85D 85T 47-67 CY P.S. 818 HP D	441,977	114.56	146.96	26.64	44.83	20.61	50.00	26.63	1193
	TRUCKS - WATER *****									
	TRACTOR DRAWN - KLEIN									
7335	KT-50 5000 GAL. CAT 613B P.S. 150 HP D	103,698	27.44	34.81	6.30	10.69	5.98	11.94	7.87	320
7340	KT-60 6000 GAL. CAT 621B P.S. 330 HP D	186,195	53.07	67.77	11.26	19.03	13.17	21.24	17.32	564
7345	KT-80 8000 GAL. CAT 631D P.S. 450 HP D	257,042	73.53	94.15	15.51	26.12	17.95	29.14	23.62	740
7350	KT-100 10000 GAL. CAT 631D P.S. 450 HP D	263,412	74.58	95.40	15.90	26.81	17.95	29.92	23.62	798
7355	KT-100 10000 GAL. CAT 641B P.S. 550 HP D	307,590	88.82	113.85	18.54	31.20	21.94	34.80	28.87	931
7360	KT-120 12000 GAL. CAT 651B P.S. 550 HP D	312,662	89.67	114.85	18.86	31.76	21.94	35.42	28.87	1097
	TRACTOR DRAWN - SOUTHWEST									
7370	STT-60 6000 GAL. CAT 621B P.S. 330 HP D	196,738	54.81	69.83	11.92	20.18	13.17	22.52	17.32	594
7375	STT-80 8000 GAL. CAT 631D P.S. 450 HP D	270,467	75.76	96.79	16.34	27.59	17.95	30.79	23.62	800
7380	STT-100 10000 GAL. CAT 631D P.S. 450 HP D	274,414	76.41	97.56	16.59	28.02	17.95	31.27	23.62	840
7385	STT-120 12000 GAL. CAT 651B P.S. 550 HP D	328,669	92.32	117.98	19.85	33.50	21.94	37.38	28.87	1054
7390	STT-140 14000 GAL. CAT 660B P.S. 550 HP D	331,780	92.84	118.60	20.05	33.85	21.94	37.77	28.87	1089

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	WAGONS - BOTTOM - DUMP *****									
	CATERPILLAR-ATHEY									
7400	621B/PW621B 33T 22-26CY P.S. 330 HP D	197,611	54.95	70.01	11.97	20.27	13.17	22.64	17.32	579
7405	768B/PW768C 63T 42-48CY P.S. 450 HP D	301,169	81.43	103.51	18.15	30.52	17.95	34.03	23.62	935
7410	772B/PW772B 100T 60-67CY P.S. 650 HP D	466,460	125.19	160.64	28.35	48.24	25.93	53.89	34.12	1304
	EUCLID									
7420	B30-303TDT301W 30T 21-27CY P.S. 277 HP D	186,221	50.15	63.82	11.26	19.02	11.05	21.23	14.54	483
7425	B70-203LDT147W 70T 42-56CY P.S. 423 HP D	328,371	79.44	98.72	20.11	34.55	16.88	38.64	22.21	934
	WAGONS - REAR - DUMP *****									
	CATERPILLAR-ATHEY									
7435	621B/PR621B 30T 20-24CY P.S. 330 HP D	208,001	58.60	75.49	12.60	21.35	13.17	23.85	17.32	590
7440	631D/PR631D 40T 27-32CY P.S. 450 HP D	295,833	81.99	105.45	17.95	30.50	17.95	34.07	23.62	833
	WATER BLASTER *****									
7455	1 - NOZZLE 95 HP D	25,719	17.62		2.11	4.56	5.59			47
7460	2 - NOZZLE 140 HP D	34,592	25.13		2.83	6.13	8.23			52
7465	3 - NOZZLE 275 HP D	63,409	47.73		5.19	11.24	16.17			128
7470	4 - NOZZLE 318 HP D	68,310	53.60		5.59	12.11	18.70			145
	WATER TANKS *****									
	SKID MOUNTED									
7480	WST-8 8000 GAL. SOUTHWEST	12,689	2.10		0.79	1.40	0.00			107
7485	WST-10 10000 GAL. SOUTHWEST	14,785	2.43		0.92	1.62	0.00			122
7490	WST-12 12000 GAL. SOUTHWEST	17,203	2.84		1.08	1.90	0.00			142

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP		FUEL
	WATER TANKS (CONT'D) *****									
	PORTABLE (WITH WHEELS)									
7500	EWT-8 8000 GAL. SOUTHWEST	23,107	3.81		1.44	2.54	0.00			130
7505	EWT-10 10000 GAL. SOUTHWEST	26,107	4.30		1.63	2.87	0.00			170
7510	EWT-12 12000 GAL. SOUTHWEST	28,960	4.76		1.80	3.18	0.00			185
	WELDERS *****									
	ELECTRIC DRIVE - AC 3 PHASE 60 HZ									
7520	250 AMP SKID MTD 10 HP E	1,087	0.76		0.08	0.15	0.42			7
7525	300 AMP SKID MTD 20 HP E	1,619	1.39		0.11	0.21	0.84			7
7530	400 AMP SKID MTD 25 HP E	2,056	1.75		0.15	0.28	1.05			8
7535	600 AMP SKID MTD 36 HP E	2,671	2.47		0.20	0.36	1.51			15
	GASOLINE ENGINE DRIVE									
7545	200 AMP W/1 AXLE TRLR 14 HP G	2,147	2.33		0.16	0.31	1.35			11
7550	250 AMP W/1 AXLE TRLR 65 HP G	4,120	9.09		0.33	0.65	6.27			17
7555	300 AMP W/1 AXLE TRLR 65 HP G	4,218	9.12		0.33	0.66	6.27			17
7560	400 AMP W/1 AXLE TRLR 69 HP G	4,933	9.83		0.39	0.77	6.65			21
7565	650 AMP W/2 AXLE TRLR 85 HP G	6,238	12.16		0.49	0.97	8.19			22
	DIESEL ENGINE DRIVE									
7575	250 AMP W/1 AXLE TRLR 38 HP D	5,412	4.08		0.43	0.86	1.88			21
7580	300 AMP W/1 AXLE TRLR 38 HP D	5,461	4.08		0.43	0.86	1.88			21
7585	350 AMP W/2 AXLE TRLR 63 HP D	6,912	6.08		0.55	1.08	3.11			25
7590	400 AMP W/2 AXLE TRLR 64 HP D	6,736	6.08		0.53	1.05	3.16			30
	RECTIFIER									
7600	250 AMP W/SHOP RUNNING GEAR 19 HP E	1,439	1.31		0.10	0.19	0.80			4
7605	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,554	1.60		0.11	0.21	1.01			6
7610	500 AMP W/SHOP RUNNING GEAR 30 HP E	1,976	2.01		0.14	0.26	1.26			7

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND- BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER- SHIP	FUEL	OWNER- SHIP	FUEL	
	WELDERS (CONT'D) *****									
	RECTIFIER (CONT'D)									
7615	750 AMP W/SHOP RUNNING GEAR 42 HP E	3,262	2.90		0.24	0.43	1.76			10
	TRANSFORMER-RECTIFIER									
7625	250 AMP W/SHOP RUNNING GEAR 19 HP E	767	1.18		0.06	0.10	0.80			4
7630	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,269	1.55		0.10	0.17	1.01			6

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

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

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

A. If an equivalent crane owned by a contractor had been purchased new in 1977, the total hourly rate can be determined as follows:

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

B. If an equivalent crane owned by a Contractor had been purchased new in 1968, 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 (.42)	= (+) \$10.50/Hr.
Adjusted Total Hourly Rate	= \$30.50/Hr.

C. If an equivalent crane, manufactured in 1968, had been purchased used in 1976 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 1977, had been purchased used in 1980 by the Contractor, the used crane is not over-age and the rate computation would be identical to Example A.

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
15	AGGREGATE SPREADERS	1.14	1.10	1.00	0.91	0.82	0.76							
30	AIR COMPRESSORS	0.99	0.96	1.00	0.92	0.81	0.76							
45	AIR TOOLS & EQUIP, TAMPERS ETC	0.99	0.96	1.00										
60	ASPHALT DISTRIBUTORS	1.15	1.10	1.00	0.90	0.81	0.75							
65	ASPHALT AND CONCRETE PAVERS	1.14	1.10	1.00	0.91	0.83	0.76							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.21	1.12	1.00	0.87	0.78	0.70							
80	BRUSH CHIPPERS	1.21	1.12	1.00	0.87	0.78	0.70							
90	BUCKETS, CLAMSHELL & DRAGLINE	1.13	1.09	1.00	0.83	0.73	0.67							
95	BUCKETS, CONCRETE	1.13	1.09	1.00	0.83	0.73	0.67							
105	CONCRETE OR GROUT PUMP	1.21	1.12	1.00	0.87	0.77								
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.21	1.12	1.00	0.87	0.78	0.70							
125	CONCRETE MIXERS & BUGGIES	1.21	1.12	1.00	0.87	0.78	0.70							
135	CONCRETE VIBRATORS	0.99	0.96	1.00										
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	0.99	0.96	1.00	0.92									
150	0 THRU 25 TON	1.16	1.09	1.00	0.89	0.81	0.74	0.69	0.63					
165	OVER 25 TON THRU 50 TON	1.16	1.09	1.00	0.89	0.81	0.75	0.70	0.63	0.51				
170	OVER 50 TON THRU 150 TON	1.16	1.09	1.00	0.90	0.82	0.75	0.70	0.64	0.52	0.44	0.42		
180	OVER 150 TON	1.16	1.09	1.00	0.90	0.82	0.76	0.71	0.65	0.52	0.44	0.42	0.41	
	DRAGLINE & CLAMSHELL, CRAWLER													
185	0 THRU 1 CY	1.17	1.09	1.00	0.89	0.81	0.74	0.69	0.62					
190	OVER 1 CY THRU 2-1/2 CY	1.16	1.09	1.00	0.89	0.81	0.75	0.70	0.63	0.51				
195	OVER 2-1/2 CY THRU 5 CY	1.16	1.09	1.00	0.90	0.82	0.75	0.70	0.64	0.52	0.44	0.42		
196	OVER 5 CY	1.16	1.09	1.00	0.90	0.82	0.76	0.71	0.65	0.52	0.44	0.42	0.41	
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.16	1.09	1.00	0.89	0.81	0.74	0.69	0.63	0.50	0.41			
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.16	1.09	1.00	0.89	0.81	0.75	0.70	0.63	0.51				
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.16	1.09	1.00	0.90	0.82	0.75	0.70	0.64	0.52	0.43	0.42		
230	66 THRU 125 T	1.16	1.09	1.00	0.90	0.82	0.76	0.71	0.64	0.52	0.44	0.42	0.41	
240	OVER 125 T	1.16	1.08	1.00	0.90	0.82	0.76	0.71	0.65	0.53	0.45	0.43	0.41	0.39
255	DRILL, AUGER	1.27	1.16	1.00	0.86	0.79	0.71							
270	DRILL, BLAST HOLE	1.27	1.16	1.00	0.86	0.79	0.71							
300	DRILL, CORE	1.27	1.16	1.00	0.86	0.79	0.71							
315	DRILL, ROTARY TO 11" DIA. HOLE	1.25	1.15	1.00	0.87	0.80	0.73	0.70	0.66	0.57				
330	DRILL, ROTARY OVER 11" DIA.	1.24	1.15	1.00	0.87	0.81	0.74	0.71	0.67	0.58	0.53	0.50	0.49	
345	DRILL, POTARY OVER 11" DIA., ELECTRIC	1.24	1.15	1.00	0.87	0.81	0.74	0.71	0.67	0.58	0.53	0.50	0.49	
375	FORK LIFTS	1.21	1.12	1.00	0.87	0.78	0.70							
390	GRADERS	1.21	1.11	1.00	0.88	0.81	0.72	0.66	0.60					
420	GENERATORS	1.31	1.21	1.00	0.81	0.77	0.70							
435	HOIST	1.21	1.12	1.00	0.87	0.78	0.70							
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
440	LIGHT PLANTS	1.22	1.13	1.00	0.86	0.76	0.68							
450	LOADER, BELT	1.22	1.13	1.00	0.86	0.76	0.68							
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.23	1.14	1.00	0.87	0.79	0.72							
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.32	1.20	1.00	0.86	0.77	0.68							
470	OVER 225 HP	1.30	1.19	1.00	0.87	0.78	0.70	0.64	0.60					
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.32	1.20	1.00	0.86	0.77	0.68							
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.21	1.13	1.00	0.86									
485	PIPELAYERS	1.19	1.11	1.00	0.88	0.78	0.69	0.62	0.57					
	PUMP, GROUT (SEE KEY NO. 105)													

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

KEY NO.	TYPE OF EQUIPMENT	1982	1981	1980	1979	1978	YEAR PURCHASED NEW								
							1977	1976	1975	1974	1973	1972	1971	1970	
495	PUMP, WATER, ENGINE DRIVE	1.21	1.12	1.00	0.87	0.78	0.70								
500	PUMP, WATER, ELECTRIC DRIVE	1.21	1.12	1.00	0.87	0.78	0.70								
510	RIPPERS	1.19	1.11	1.00	0.88	0.78									
525	ROLLERS, EXCEPT VIB. ROLLERS	1.22	1.10	1.00	0.81	0.72	0.63								
530	ROLLERS, VIBRATORY	1.24	1.10	1.00	0.80	0.70									
540	SCRAPERS, STANDARD	1.21	1.11	1.00	0.88	0.81	0.72								
542	SCRAPERS, TANDEM POWERED	1.21	1.11	1.00	0.88	0.81	0.72								
	SCRAPERS, ELEVATING														
545	0 THRU 200 HP	1.21	1.11	1.00	0.88	0.81	0.72								
550	OVER 200 HP	1.21	1.11	1.00	0.88	0.81	0.72								
555	SCRAPERS, TRACTOR DRAWN	1.21	1.11	1.00	0.89	0.81	0.72	0.67	0.61						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED														
570	0 THRU 1 CY	1.17	1.09	1.00	0.89	0.81	0.74	0.69							
585	OVER 1 CY THRU 2-1/2 CY	1.16	1.09	1.00	0.89	0.81	0.74	0.69	0.63						
595	OVER 2-1/2 CY THRU 5 CY	1.16	1.09	1.00	0.90	0.81	0.75	0.70	0.64	0.51	0.43				
600	OVER 5 CY	1.16	1.09	1.00	0.90	0.82	0.75	0.70	0.64	0.52	0.44	0.42			
601	OVER 2-1/2 CY ELECTRIC	1.16	1.08	1.00	0.90	0.82	0.76	0.71	0.65	0.53	0.45	0.43	0.41	0.39	
	TRACTOR, CRAWLER TYPE														
615	0 THRU 225 HP	1.20	1.11	1.00	0.88	0.77	0.68								
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.19	1.11	1.00	0.88	0.78	0.69	0.62	0.57						
625	OVER 425 HP	1.18	1.10	1.00	0.89	0.79	0.71	0.64	0.59	0.47					
630	TRACTOR BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.19	1.10	1.00	0.88	0.79	0.70								
645	TRACTOR, WHEEL TYPE	1.26	1.13	1.00	0.86	0.76	0.68								
650	TRENCHER	1.28	1.16	1.00	0.86	0.79	0.69								
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.22	1.13	1.00	0.86	0.77	0.69								
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.23	1.13	1.00	0.86	0.76	0.67								
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING														
670	DUMP BODIES	1.21	1.12	1.00	0.87	0.77									
675	ALL OTHER ACCESSORIES	1.21	1.12	1.00	0.87	0.77									
	TRUCK, HIGHWAY														
690	0 THRU 10,000 GVW	1.34	1.15	1.00	0.89	0.80									
695	OVER 10,000 THRU 30,000 GVW	1.34	1.15	1.00	0.89	0.80									
705	OVER 30,000 GVW	1.34	1.15	1.00	0.89	0.80									
720	TRUCK, OFF-HIGHWAY	1.26	1.15	1.00	0.86	0.77	0.71	0.66	0.62						
765	WAGON, BOTTOM DUMP & WATER	1.26	1.15	1.00	0.86	0.77	0.71	0.66	0.62						
780	WAGON, REAR DUMP	1.26	1.15	1.00	0.86	0.77	0.71	0.66	0.62						
785	WATER BLASTER	1.21	1.13	1.00	0.86										
795	WATER TANKS	1.20	1.12	1.00	0.87	0.78	0.71	0.65	0.60						
810	WELDERS	1.24	1.14	1.00	0.85										
811	WELDERS ELECTRIC POWER	1.23	1.13	1.00	0.86	0.75									

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 1977, the hourly standby rate can be determined as follows:

$$\begin{array}{ll} \text{Hourly Standby Rate} & = \$16.00/\text{Hr.} \\ \text{Standby Adjusted for Age} & \\ \quad (\text{Standby Rate}) \times (\text{Age Adj. Factor}) & \\ = (\$16.00) \times (.79) & = \$12.64/\text{Hr.} \end{array}$$

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW													
		1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	
15	AGGREGATE SPREADERS	1.13	1.08	1.00	0.92	0.85	0.79								
30	AIR COMPRESSORS	0.99	0.96	1.00	0.93	0.83	0.80								
45	AIR TOOLS & EQUIP, TAMPERS ETC	0.99	0.96	1.00											
60	ASPHALT DISTRIBUTORS	1.13	1.08	1.00	0.92	0.85	0.79								
65	ASPHALT AND CONCRETE PAVERS	1.13	1.08	1.00	0.92	0.85	0.79								
	BACKHOE (SEE KEY NO. 570-601)														
75	BROOMS	1.18	1.11	1.00	0.89	0.81	0.74								
80	BRUSH CHIPPERS	1.18	1.11	1.00	0.89	0.81	0.74								
90	BUCKETS, CLAMSHELL & DRAGLINE	1.12	1.08	1.00	0.85	0.77	0.71								
95	BUCKETS, CONCRETE	1.12	1.08	1.00	0.85	0.77	0.71								
105	CONCRETE OR GROUT PUMP	1.18	1.11	1.00	0.88	0.80									
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.18	1.11	1.00	0.89	0.81	0.74								
125	CONCRETE MIXERS & BUGGIES	1.18	1.11	1.00	0.89	0.81	0.74								
135	CONCRETE VIBRATORS	0.99	0.96	1.00											
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	0.99	0.96	1.00	0.93										
150	0 THRU 25 TON	1.14	1.08	1.00	0.91	0.83	0.78	0.73	0.68						
165	OVER 25 TON THRU 50 TON	1.14	1.08	1.00	0.91	0.84	0.78	0.74	0.68	0.57					
170	OVER 50 TON THRU 150 TON	1.14	1.08	1.00	0.91	0.84	0.79	0.74	0.69	0.58	0.51	0.49			
180	OVER 150 TON	1.14	1.08	1.00	0.91	0.84	0.79	0.74	0.69	0.58	0.51	0.50	0.48		
	DRAGLINE & CLAMSHELL, CRAWLER														
185	0 THRU 1 CY	1.14	1.08	1.00	0.91	0.83	0.78	0.73	0.67						
190	OVER 1 CY THRU 2-1/2 CY	1.14	1.08	1.00	0.91	0.84	0.78	0.74	0.68	0.57					
195	OVER 2-1/2 CY THRU 5 CY	1.14	1.08	1.00	0.91	0.84	0.79	0.74	0.69	0.58	0.51	0.49			
196	OVER 5 CY	1.14	1.08	1.00	0.91	0.84	0.79	0.74	0.69	0.58	0.51	0.50	0.48		
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.14	1.08	1.00	0.91	0.84	0.79	0.74	0.69	0.58	0.51				
	CRANES & HYD. EXC. , TRK MTD														
210	UNDER 26 T. (THRU 1 CY)	1.14	1.08	1.00	0.91	0.84	0.78	0.74	0.68	0.57					
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.14	1.08	1.00	0.91	0.84	0.79	0.74	0.69	0.58	0.51	0.49			
230	66 THRU 125 T	1.14	1.07	1.00	0.91	0.84	0.79	0.74	0.69	0.58	0.51	0.50	0.48		
240	OVER 125 T	1.14	1.07	1.00	0.91	0.84	0.79	0.75	0.69	0.59	0.52	0.50	0.49	0.46	
255	DRILL, AUGER	1.23	1.14	1.00	0.88	0.82	0.75								
270	DRILL, BLAST HOLE	1.23	1.14	1.00	0.88	0.82	0.75								
300	DRILL, CORE	1.23	1.14	1.00	0.88	0.82	0.75								
315	DRILL, ROTARY TO 11" DIA. HOLE	1.22	1.13	1.00	0.89	0.83	0.76	0.74	0.71	0.63					
330	DRILL, ROTARY OVER 11" DIA.	1.21	1.13	1.00	0.89	0.84	0.77	0.75	0.72	0.64	0.59	0.56	0.55		
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.21	1.13	1.00	0.89	0.84	0.77	0.75	0.72	0.64	0.59	0.56	0.55		
375	FORK LIFTS	1.18	1.11	1.00	0.89	0.81	0.74								
390	GRADERS	1.18	1.09	1.00	0.90	0.84	0.77	0.72	0.67						
420	GENERATORS	1.25	1.16	1.00	0.85	0.82	0.76								
435	HOIST	1.18	1.11	1.00	0.89	0.81	0.74								
	HYD. EXCAVATOR (SEE KEY NO. 570-601)														
440	LIGHT PLANTS	1.18	1.10	1.00	0.89	0.81	0.74								
450	LOADER, BELT	1.18	1.10	1.00	0.89	0.81	0.74								
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.19	1.12	1.00	0.89	0.82	0.76								
	LOADER, WHEEL TYPE														
465	0 THRU 225 HP	1.26	1.16	1.00	0.89	0.81	0.74								
470	OVER 225 HP	1.25	1.16	1.00	0.89	0.82	0.74	0.69	0.66						
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.26	1.16	1.00	0.89	0.81	0.74								
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.19	1.11	1.00	0.88										
485	PIPELAYERS	1.16	1.09	1.00	0.90	0.82	0.74	0.68	0.64						
	PUMP, GROUT (SEE KEY NO. 105)														

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

KEY NO.	TYPE OF EQUIPMENT	1982	1981	1980	1979	1978	YEAR PURCHASED NEW								
							1977	1976	1975	1974	1973	1972	1971	1970	
495	PUMP, WATER, ENGINE DRIVE	1.18	1.11	1.00	0.89	0.81	0.74								
500	PUMP, WATER, ELECTRIC DRIVE	1.18	1.11	1.00	0.89	0.81	0.74								
510	RIPPERS	1.17	1.09	1.00	0.90	0.81									
525	ROLLERS, EXCEPT VIB. ROLLERS	1.19	1.08	1.00	0.84	0.76	0.68								
530	ROLLERS, VIBRATORY	1.20	1.09	1.00	0.83	0.75									
540	SCRAPERS, STANDARD	1.18	1.09	1.00	0.90	0.84	0.76								
542	SCRAPERS, TANDEM POWERED	1.18	1.09	1.00	0.90	0.84	0.76								
	SCRAPERS, ELEVATING														
545	0 THRU 200 HP	1.18	1.09	1.00	0.90	0.84	0.76								
550	OVER 200 HP	1.18	1.09	1.00	0.90	0.84	0.76								
555	SCRAPERS, TRACTOR DRAWN	1.18	1.09	1.00	0.90	0.84	0.76	0.71	0.67						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED														
570	0 THRU 1 CY	1.15	1.08	1.00	0.91	0.83	0.77	0.73							
585	OVER 1 CY THRU 2-1/2 CY	1.14	1.08	1.00	0.91	0.83	0.78	0.73	0.68						
595	OVER 2-1/2 CY THRU 5 CY	1.14	1.08	1.00	0.91	0.84	0.78	0.74	0.68	0.57	0.50				
600	OVER 5 CY	1.14	1.08	1.00	0.91	0.84	0.79	0.74	0.69	0.58	0.51	0.49			
601	OVER 2-1/2 CY ELECTRIC	1.14	1.07	1.00	0.91	0.84	0.79	0.75	0.69	0.59	0.52	0.50	0.49	0.46	
	TRACTOR, CRAWLER TYPE														
615	0 THRU 225 HP	1.17	1.09	1.00	0.90	0.81	0.74								
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.16	1.09	1.00	0.90	0.82	0.74	0.68	0.64						
625	OVER 425 HP	1.16	1.09	1.00	0.90	0.82	0.75	0.69	0.64	0.54					
630	TRACTOR BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.17	1.09	1.00	0.90	0.81	0.74								
645	TRACTOR, WHEEL TYPE	1.22	1.11	1.00	0.88	0.80	0.73								
650	TRENCHER	1.24	1.14	1.00	0.88	0.82	0.73								
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.18	1.10	1.00	0.89	0.81	0.74								
660	TRAILERS, FLATBED, LO-BOY AND TILT TRUCK ACCESSORIES FOR CHASSIS MOUNTING	1.18	1.10	1.00	0.89	0.81	0.74								
670	DUMP BODIES	1.18	1.11	1.00	0.88	0.80									
675	ALL OTHER ACCESSORIES TRUCK, HIGHWAY	1.18	1.11	1.00	0.88	0.80									
690	0 THRU 10,000 GVW	1.29	1.13	1.00	0.91	0.83									
695	OVER 10,000 THRU 30,000 GVW	1.29	1.13	1.00	0.91	0.83									
705	OVER 30,000 GVW	1.29	1.13	1.00	0.91	0.83									
720	TRUCK, OFF-HIGHWAY	1.22	1.13	1.00	0.88	0.80	0.75	0.71	0.67						
765	WAGON, BOTTOM DUMP & WATER	1.22	1.13	1.00	0.88	0.80	0.75	0.71	0.67						
780	WAGON, REAR DUMP	1.22	1.13	1.00	0.88	0.80	0.75	0.71	0.67						
785	WATER BLASTER	1.19	1.11	1.00	0.88										
795	WATER TANKS	1.17	1.10	1.00	0.89	0.81	0.75	0.70	0.65						
810	WELDERS	1.19	1.11	1.00	0.88										
811	WELDERS ELECTRIC POWER	1.18	1.11	1.00	0.88	0.80									

TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

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

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

Total Hourly Rate (adjusted for age)	= \$38.75/Hr.
Ownership Rate (adjusted for age)	(-) \$18.75/Hr.
Ownership Adjusted for Work Hours	
(Ownership Rate) x (Work Hr Adj. Factor)	
= (\$18.75) x (.83)	= (+) \$15.56/Hr.
Adjusted Total Hourly Rate	= <u>\$35.56/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	0.96	0.94	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
6,000	1.00	0.97	0.95	0.93	0.90	0.89	0.87	0.86	0.84	0.83	0.82	0.81	0.79
8,000	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
9,000	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
10,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.78	0.77	0.75	0.74	0.72
11,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.80	0.77	0.76	0.74	0.73	0.71
12,000	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
13,000	1.00	0.95	0.93	0.88	0.85	0.82	0.80	0.78	0.75	0.73	0.72	0.70	0.68
14,000	1.00	0.95	0.92	0.88	0.85	0.82	0.79	0.77	0.74	0.72	0.71	0.69	0.67
15,000	1.00	0.95	0.92	0.88	0.84	0.81	0.79	0.76	0.73	0.71	0.70	0.68	0.66
16,000	1.00	0.95	0.92	0.87	0.84	0.81	0.78	0.75	0.73	0.70	0.69	0.67	0.65
18,000	1.00	0.94	0.91	0.86	0.83	0.79	0.77	0.74	0.71	0.69	0.67	0.65	0.63
20,000	1.00	0.94	0.91	0.86	0.82	0.78	0.76	0.73	0.70	0.67	0.65	0.64	0.61
22,000	1.00	0.94	0.91	0.85	0.81	0.78	0.75	0.72	0.68	0.66	0.64	0.62	0.59
50,000	1.00	0.92	0.88	0.81	0.75	0.71	0.67	0.63	0.59	0.55	0.53	0.50	0.47

TABLE 3-5. HOURLY RATE ELEMENTS

UNIT NO	AVERAGE CONDITIONS							TOTAL RATE	SEVERE CONDITIONS							TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
1010	3.28	2.04	11.35	2.72	0.24	0.04	3.54	23.21								
1015	3.62	2.24	4.25	1.02	0.24	0.04	3.91	15.32								
1030	0.54	0.34	3.69	1.18	0.02	0.00	0.59	6.36								
1035	0.76	0.49	1.52	0.42	0.02	0.00	0.84	4.05								
1040	0.72	0.46	3.93	1.26	0.02	0.00	0.79	7.18								
1045	0.87	0.55	1.76	0.49	0.02	0.00	0.95	4.64								
1050	0.82	0.52	5.50	1.76	0.02	0.00	0.90	9.52								
1055	0.97	0.61	2.03	0.57	0.02	0.00	1.06	5.26								
1060	1.02	0.65	5.50	1.76	0.02	0.00	1.12	10.07								
1065	1.20	0.76	2.75	0.77	0.02	0.00	1.32	6.82								
1070	1.11	0.71	5.50	1.76	0.02	0.00	1.22	10.32								
1075	1.31	0.83	2.75	0.77	0.02	0.00	1.44	7.12								
1080	2.54	1.62	4.11	1.15	0.05	0.01	2.78	12.26								
1085	3.37	2.14	5.75	1.61	0.05	0.01	3.70	16.63								
1090	4.29	2.72	6.98	1.96	0.05	0.01	4.70	20.71								
1095	5.43	3.44	9.10	2.55	0.06	0.01	5.95	26.54								
1100	5.67	3.59	9.97	2.79	0.06	0.01	6.20	28.29								
1105	5.93	3.75	10.77	3.02	0.06	0.01	6.49	30.03								
1110	7.08	4.50	11.29	3.16	0.11	0.02	7.76	33.92								
1115	7.77	4.93	12.97	3.63	0.11	0.02	8.51	37.94								
1120	10.16	6.44	18.19	5.09	0.11	0.02	11.13	51.14								
1130	0.18	0.05	0.00	0.06	0.00	0.00	0.32	0.61								
1135	0.41	0.11	0.00	0.10	0.00	0.00	0.69	1.31								
1140	0.19	0.05	0.00	0.06	0.00	0.00	0.32	0.62								
1145	0.20	0.05	0.00	0.06	0.00	0.00	0.35	0.66								
1150	0.22	0.06	0.00	0.06	0.00	0.00	0.38	0.72								
1155	0.75	0.20	0.00	0.12	0.00	0.00	1.27	2.34								
1165	0.26	0.07	0.00	0.06	0.00	0.00	0.44	0.83								
1170	0.48	0.13	0.00	0.06	0.00	0.00	0.83	1.50								
1175	0.49	0.13	0.00	0.06	0.00	0.00	0.84	1.52								
1180	0.54	0.14	0.00	0.12	0.00	0.00	0.93	1.73								
1185	0.72	0.19	0.00	0.12	0.00	0.00	1.24	2.27								
1190	2.04	0.56	0.00	0.25	0.05	0.01	3.51	6.42								
1195	2.39	0.67	0.00	0.35	0.11	0.02	4.13	7.67								
1200	3.01	0.83	0.00	0.45	0.11	0.02	5.19	9.61								
1210	0.36	0.10	0.00	0.15	0.00	0.00	1.03	1.64								
1215	0.23	0.06	0.00	0.12	0.00	0.00	0.66	1.07								
1220	0.21	0.05	0.00	0.09	0.00	0.00	0.59	0.94								
1225	0.19	0.05	0.00	0.07	0.00	0.00	0.53	0.84								
1230	0.15	0.04	0.00	0.06	0.00	0.00	0.42	0.67								
1240	1.45	1.10	3.93	1.26	0.00	0.00	1.94	9.68								
1245	1.51	1.14	3.93	1.26	0.00	0.00	2.01	9.85								
1250	1.62	1.22	3.93	1.26	0.00	0.00	2.16	10.19								
1255	1.86	1.41	3.93	1.26	0.00	0.00	2.48	10.94								
1265	5.60	3.51	2.79	0.78	0.98	0.15	6.81	20.62								
1270	8.16	5.11	3.79	1.06	1.26	0.19	9.93	29.50								
1275	9.39	5.86	5.19	1.45	1.42	0.21	11.41	34.93								
1280	11.69	7.05	5.19	1.45	0.00	0.00	14.10	39.48								
1290	0.36	0.23	0.00	0.15	0.02	0.00	0.46	1.22								
1295	0.49	0.30	2.36	0.57	0.02	0.00	0.62	4.36								
1300	0.17	0.10	0.00	0.15	0.00	0.00	0.22	0.64								
1305	0.28	0.17	0.00	0.10	0.00	0.00	0.36	0.91								
1315	0.70	0.44	8.27	2.65	0.02	0.00	0.90	12.98								
1320	0.81	0.50	9.03	2.89	0.02	0.00	1.04	14.29								
1325	0.35	0.22	0.00	0.00	0.00	0.00	0.45	1.02								

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
1335	0.62	0.37	0.00	0.00	0.00	0.00	0.66	1.65	0.78	0.38	0.00	0.00	0.00	0.00	0.93	2.09
1340	0.73	0.44	0.00	0.00	0.00	0.00	0.77	1.94	0.91	0.45	0.00	0.00	0.00	0.00	1.08	2.44
1345	1.07	0.64	0.00	0.00	0.00	0.00	1.13	2.84	1.34	0.66	0.00	0.00	0.00	0.00	1.59	3.59
1350	1.21	0.73	0.00	0.00	0.00	0.00	1.28	3.22	1.51	0.74	0.00	0.00	0.00	0.00	1.80	4.05
1355	1.58	0.95	0.00	0.00	0.00	0.00	1.67	4.20	1.97	0.97	0.00	0.00	0.00	0.00	2.35	5.29
1360	1.67	1.00	0.00	0.00	0.00	0.00	1.77	4.44	2.09	1.03	0.00	0.00	0.00	0.00	2.49	5.61
1365	1.71	1.03	0.00	0.00	0.00	0.00	1.81	4.55	2.13	1.05	0.00	0.00	0.00	0.00	2.55	5.73
1370	1.88	1.13	0.00	0.00	0.00	0.00	1.99	5.00	2.35	1.16	0.00	0.00	0.00	0.00	2.80	6.31
1375	2.03	1.22	0.00	0.00	0.00	0.00	2.16	5.41	2.54	1.25	0.00	0.00	0.00	0.00	3.03	6.82
1380	2.20	1.32	0.00	0.00	0.00	0.00	2.34	5.86	2.75	1.36	0.00	0.00	0.00	0.00	3.28	7.39
1385	2.38	1.43	0.00	0.00	0.00	0.00	2.52	6.33	2.97	1.46	0.00	0.00	0.00	0.00	3.54	7.97
1390	2.46	1.48	0.00	0.00	0.00	0.00	2.61	6.55	3.07	1.51	0.00	0.00	0.00	0.00	3.67	8.25
1395	2.66	1.60	0.00	0.00	0.00	0.00	2.82	7.08	3.32	1.64	0.00	0.00	0.00	0.00	3.97	8.93
1400	2.74	1.65	0.00	0.00	0.00	0.00	2.91	7.30	3.42	1.69	0.00	0.00	0.00	0.00	4.09	9.20
1405	2.84	1.71	0.00	0.00	0.00	0.00	3.02	7.57	3.55	1.75	0.00	0.00	0.00	0.00	4.24	9.54
1415	0.65	0.39	0.00	0.00	0.00	0.00	0.69	1.73	0.81	0.40	0.00	0.00	0.00	0.00	0.97	2.18
1420	0.88	0.53	0.00	0.00	0.00	0.00	0.94	2.35	1.10	0.54	0.00	0.00	0.00	0.00	1.32	2.96
1425	1.28	0.77	0.00	0.00	0.00	0.00	1.36	3.41	1.60	0.79	0.00	0.00	0.00	0.00	1.91	4.30
1430	1.38	0.83	0.00	0.00	0.00	0.00	1.47	3.68	1.73	0.85	0.00	0.00	0.00	0.00	2.06	4.64
1435	1.76	1.06	0.00	0.00	0.00	0.00	1.87	4.69	2.20	1.08	0.00	0.00	0.00	0.00	2.62	5.90
1440	1.92	1.16	0.00	0.00	0.00	0.00	2.04	5.12	2.40	1.18	0.00	0.00	0.00	0.00	2.87	6.45
1445	2.07	1.25	0.00	0.00	0.00	0.00	2.20	5.52	2.59	1.28	0.00	0.00	0.00	0.00	3.09	6.96
1450	2.23	1.34	0.00	0.00	0.00	0.00	2.36	5.93	2.79	1.37	0.00	0.00	0.00	0.00	3.33	7.49
1455	2.39	1.44	0.00	0.00	0.00	0.00	2.54	6.37	2.99	1.47	0.00	0.00	0.00	0.00	3.57	8.03
1460	2.63	1.58	0.00	0.00	0.00	0.00	2.79	7.00	3.29	1.62	0.00	0.00	0.00	0.00	3.93	8.84
1465	2.78	1.67	0.00	0.00	0.00	0.00	2.95	7.40	3.47	1.71	0.00	0.00	0.00	0.00	4.14	9.32
1470	2.94	1.77	0.00	0.00	0.00	0.00	3.12	7.83	3.67	1.81	0.00	0.00	0.00	0.00	4.38	9.86
1475	3.06	1.84	0.00	0.00	0.00	0.00	3.25	8.15	3.83	1.89	0.00	0.00	0.00	0.00	4.57	10.29
1480	3.19	1.92	0.00	0.00	0.00	0.00	3.38	8.49	3.99	1.96	0.00	0.00	0.00	0.00	4.76	10.71
1485	3.32	1.99	0.00	0.00	0.00	0.00	3.52	8.83	4.15	2.04	0.00	0.00	0.00	0.00	4.95	11.14
1495	0.99	0.59	0.00	0.00	0.00	0.00	1.05	2.63	1.24	0.61	0.00	0.00	0.00	0.00	1.47	3.32
1500	1.01	0.61	0.00	0.00	0.00	0.00	1.07	2.69	1.26	0.62	0.00	0.00	0.00	0.00	1.50	3.38
1505	1.50	0.90	0.00	0.00	0.00	0.00	1.59	3.99	1.87	0.92	0.00	0.00	0.00	0.00	2.23	5.02
1510	1.81	1.09	0.00	0.00	0.00	0.00	1.92	4.82	2.26	1.12	0.00	0.00	0.00	0.00	2.70	6.08
1515	2.02	1.21	0.00	0.00	0.00	0.00	2.14	5.37	2.53	1.24	0.00	0.00	0.00	0.00	3.02	6.79
1520	2.20	1.32	0.00	0.00	0.00	0.00	2.33	5.85	2.74	1.35	0.00	0.00	0.00	0.00	3.28	7.37
1525	2.31	1.39	0.00	0.00	0.00	0.00	2.45	6.15	2.88	1.42	0.00	0.00	0.00	0.00	3.44	7.74
1530	2.44	1.47	0.00	0.00	0.00	0.00	2.59	6.50	3.06	1.51	0.00	0.00	0.00	0.00	3.65	8.22
1535	2.56	1.54	0.00	0.00	0.00	0.00	2.72	6.82	3.20	1.58	0.00	0.00	0.00	0.00	3.82	8.60
1540	2.75	1.65	0.00	0.00	0.00	0.00	2.91	7.31	3.43	1.69	0.00	0.00	0.00	0.00	4.10	9.22
1545	2.91	1.75	0.00	0.00	0.00	0.00	3.08	7.74	3.63	1.79	0.00	0.00	0.00	0.00	4.34	9.76
1550	3.06	1.84	0.00	0.00	0.00	0.00	3.24	8.14	3.82	1.88	0.00	0.00	0.00	0.00	4.56	10.26
1555	3.31	1.99	0.00	0.00	0.00	0.00	3.51	8.81	4.14	2.04	0.00	0.00	0.00	0.00	4.94	11.12
1560	3.41	2.05	0.00	0.00	0.00	0.00	3.62	9.08	4.26	2.10	0.00	0.00	0.00	0.00	5.09	11.45
1565	3.57	2.15	0.00	0.00	0.00	0.00	3.79	9.51	4.46	2.20	0.00	0.00	0.00	0.00	5.33	11.99
1575	0.09	0.06	0.00	0.00	0.00	0.00	0.10	0.25								
1580	0.12	0.07	0.00	0.00	0.00	0.00	0.12	0.31								
1585	0.15	0.09	0.00	0.00	0.00	0.00	0.16	0.40								
1590	0.22	0.13	0.00	0.00	0.00	0.00	0.23	0.58								
1595	0.27	0.17	0.00	0.00	0.00	0.00	0.29	0.73								
1605	0.41	0.25	0.00	0.00	0.00	0.00	0.43	1.09								
1610	0.42	0.26	0.00	0.00	0.00	0.00	0.45	1.13								
1615	0.44	0.26	0.00	0.00	0.00	0.00	0.47	1.17								
1620	0.58	0.35	0.00	0.00	0.00	0.00	0.61	1.54								
1625	0.60	0.36	0.00	0.00	0.00	0.00	0.64	1.60								

TABLE 3-5 HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							TOTAL RATE	SEVERE CONDITIONS							TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
1630	0.87	0.52	0.00	0.00	0.00	0.00	0.92	2.31								
1635	1.04	0.62	0.00	0.00	0.00	0.00	1.10	2.76								
1645	0.47	0.28	0.00	0.00	0.00	0.00	0.49	1.24								
1650	0.53	0.32	0.00	0.00	0.00	0.00	0.56	1.41								
1655	0.60	0.36	0.00	0.00	0.00	0.00	0.64	1.60								
1660	0.67	0.40	0.00	0.00	0.00	0.00	0.71	1.78								
1665	0.78	0.47	0.00	0.00	0.00	0.00	0.83	2.08								
1680	0.21	0.13	0.00	0.00	0.00	0.00	0.22	0.56	0.26	0.13	0.00	0.00	0.00	0.00	0.31	0.70
1685	0.25	0.15	0.00	0.00	0.00	0.00	0.26	0.66	0.31	0.15	0.00	0.00	0.00	0.00	0.37	0.83
1690	0.30	0.18	0.00	0.00	0.00	0.00	0.32	0.80	0.38	0.19	0.00	0.00	0.00	0.00	0.45	1.02
1695	0.36	0.21	0.00	0.00	0.00	0.00	0.38	0.95	0.45	0.22	0.00	0.00	0.00	0.00	0.53	1.20
1700	0.42	0.25	0.00	0.00	0.00	0.00	0.45	1.12	0.52	0.26	0.00	0.00	0.00	0.00	0.63	1.41
1705	0.52	0.31	0.00	0.00	0.00	0.00	0.55	1.38	0.65	0.32	0.00	0.00	0.00	0.00	0.77	1.74
1710	0.57	0.34	0.00	0.00	0.00	0.00	0.61	1.52	0.72	0.35	0.00	0.00	0.00	0.00	0.85	1.92
1715	0.70	0.42	0.00	0.00	0.00	0.00	0.74	1.86	0.87	0.43	0.00	0.00	0.00	0.00	1.04	2.34
1720	0.74	0.44	0.00	0.00	0.00	0.00	0.79	1.97	0.93	0.46	0.00	0.00	0.00	0.00	1.10	2.49
1725	0.89	0.54	0.00	0.00	0.00	0.00	0.95	2.38	1.12	0.55	0.00	0.00	0.00	0.00	1.33	3.00
1730	0.97	0.58	0.00	0.00	0.00	0.00	1.03	2.58	1.21	0.60	0.00	0.00	0.00	0.00	1.45	3.26
1735	1.06	0.64	0.00	0.00	0.00	0.00	1.12	2.82	1.32	0.65	0.00	0.00	0.00	0.00	1.58	3.55
1740	1.17	0.71	0.00	0.00	0.00	0.00	1.25	3.13	1.47	0.72	0.00	0.00	0.00	0.00	1.75	3.94
1745	1.36	0.82	0.00	0.00	0.00	0.00	1.44	3.62	1.69	0.83	0.00	0.00	0.00	0.00	2.02	4.54
1750	1.47	0.89	0.00	0.00	0.00	0.00	1.56	3.92	1.84	0.91	0.00	0.00	0.00	0.00	2.20	4.95
1755	1.81	1.09	0.00	0.00	0.00	0.00	1.92	4.82	2.26	1.12	0.00	0.00	0.00	0.00	2.70	6.08
1760	2.08	1.25	0.00	0.00	0.00	0.00	2.21	5.54	2.60	1.28	0.00	0.00	0.00	0.00	3.11	6.99
1770	0.24	0.15	0.00	0.00	0.00	0.00	0.26	0.65	0.30	0.15	0.00	0.00	0.00	0.00	0.36	0.81
1775	0.30	0.18	0.00	0.00	0.00	0.00	0.32	0.80	0.37	0.18	0.00	0.00	0.00	0.00	0.45	1.00
1780	0.37	0.22	0.00	0.00	0.00	0.00	0.39	0.98	0.46	0.23	0.00	0.00	0.00	0.00	0.55	1.24
1785	0.44	0.26	0.00	0.00	0.00	0.00	0.47	1.17	0.55	0.27	0.00	0.00	0.00	0.00	0.66	1.48
1790	0.51	0.30	0.00	0.00	0.00	0.00	0.54	1.35	0.63	0.31	0.00	0.00	0.00	0.00	0.76	1.70
1795	0.61	0.36	0.00	0.00	0.00	0.00	0.64	1.61	0.76	0.37	0.00	0.00	0.00	0.00	0.90	2.03
1800	0.67	0.40	0.00	0.00	0.00	0.00	0.71	1.78	0.84	0.41	0.00	0.00	0.00	0.00	1.00	2.25
1805	0.80	0.48	0.00	0.00	0.00	0.00	0.85	2.13	1.00	0.49	0.00	0.00	0.00	0.00	1.20	2.69
1810	0.86	0.52	0.00	0.00	0.00	0.00	0.91	2.29	1.07	0.53	0.00	0.00	0.00	0.00	1.28	2.88
1815	1.10	0.66	0.00	0.00	0.00	0.00	1.17	2.93	1.38	0.68	0.00	0.00	0.00	0.00	1.64	3.70
1820	1.14	0.68	0.00	0.00	0.00	0.00	1.21	3.03	1.42	0.70	0.00	0.00	0.00	0.00	1.70	3.82
1825	1.30	0.78	0.00	0.00	0.00	0.00	1.38	3.46	1.62	0.80	0.00	0.00	0.00	0.00	1.94	4.36
1830	1.43	0.86	0.00	0.00	0.00	0.00	1.52	3.81	1.79	0.88	0.00	0.00	0.00	0.00	2.14	4.81
1835	1.71	1.03	0.00	0.00	0.00	0.00	1.82	4.56	2.14	1.05	0.00	0.00	0.00	0.00	2.56	5.75
1840	1.82	1.10	0.00	0.00	0.00	0.00	1.94	4.86	2.28	1.12	0.00	0.00	0.00	0.00	2.72	6.12
1845	2.32	1.40	0.00	0.00	0.00	0.00	2.47	6.19	2.91	1.43	0.00	0.00	0.00	0.00	3.47	7.81
1850	2.59	1.56	0.00	0.00	0.00	0.00	2.75	6.90	3.24	1.59	0.00	0.00	0.00	0.00	3.86	8.69
1860	0.97	0.58	0.00	0.00	0.00	0.00	1.03	2.58	1.22	0.60	0.00	0.00	0.00	0.00	1.45	3.27
1865	1.01	0.61	0.00	0.00	0.00	0.00	1.07	2.69	1.26	0.62	0.00	0.00	0.00	0.00	1.51	3.39
1870	1.13	0.68	0.00	0.00	0.00	0.00	1.20	3.01	1.42	0.70	0.00	0.00	0.00	0.00	1.69	3.81
1875	1.52	0.91	0.00	0.00	0.00	0.00	1.61	4.04	1.89	0.93	0.00	0.00	0.00	0.00	2.26	5.08
1880	1.69	1.02	0.00	0.00	0.00	0.00	1.80	4.51	2.12	1.04	0.00	0.00	0.00	0.00	2.53	5.69
1885	1.75	1.05	0.00	0.00	0.00	0.00	1.86	4.66	2.19	1.08	0.00	0.00	0.00	0.00	2.61	5.88
1890	1.87	1.13	0.00	0.00	0.00	0.00	1.99	4.99	2.34	1.15	0.00	0.00	0.00	0.00	2.80	6.29
1895	2.38	1.43	0.00	0.00	0.00	0.00	2.53	6.34	2.98	1.47	0.00	0.00	0.00	0.00	3.55	8.00
1900	2.45	1.47	0.00	0.00	0.00	0.00	2.60	6.52	3.06	1.51	0.00	0.00	0.00	0.00	3.65	8.22
1905	3.11	1.87	0.00	0.00	0.00	0.00	3.31	8.29	3.89	1.92	0.00	0.00	0.00	0.00	4.65	10.46
1910	3.23	1.94	0.00	0.00	0.00	0.00	3.43	8.60	4.04	1.99	0.00	0.00	0.00	0.00	4.83	10.86
1915	3.85	2.31	0.00	0.00	0.00	0.00	4.08	10.24	4.81	2.37	0.00	0.00	0.00	0.00	5.74	12.92
1920	4.10	2.47	0.00	0.00	0.00	0.00	4.35	10.92	5.13	2.53	0.00	0.00	0.00	0.00	6.12	13.78
1930	0.20	0.08	0.32	0.08	0.00	0.00	0.23	0.91								

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
1935	0.16	0.06	0.32	0.08	0.00	0.00	0.18	0.80								
1940	0.22	0.08	0.54	0.13	0.00	0.00	0.25	1.22								
1945	0.28	0.10	0.54	0.13	0.00	0.00	0.32	1.37								
1950	0.37	0.13	0.65	0.16	0.00	0.00	0.42	1.73								
1955	0.14	0.05	0.32	0.08	0.00	0.00	0.16	0.75								
1960	0.23	0.08	0.76	0.18	0.00	0.00	0.26	1.51								
1965	0.42	0.15	0.97	0.23	0.00	0.00	0.47	2.24								
1970	0.44	0.16	0.39	0.09	0.00	0.00	0.50	1.58								
1975	0.71	0.26	0.56	0.13	0.00	0.00	0.81	2.47								
1980	1.46	0.54	0.56	0.13	0.00	0.00	1.66	4.35								
1985	1.40	0.52	0.45	0.11	0.00	0.00	1.60	4.08								
1990	1.58	0.58	0.45	0.11	0.00	0.00	1.81	4.53								
2000	0.17	0.10	0.68	0.22	0.00	0.00	0.19	1.36								
2010	9.39	5.67	5.67	1.59	0.00	0.00	11.33	33.65								
2015	16.81	10.14	8.30	2.32	0.00	0.00	20.27	57.84								
2020	29.63	17.87	9.97	2.79	0.00	0.00	35.72	95.98								
2030	1.73	1.05	3.93	1.26	0.05	0.01	2.09	10.12								
2035	8.05	4.85	3.99	1.12	0.00	0.00	9.71	27.72								
2045	0.78	0.48	0.00	0.17	0.00	0.00	0.88	2.31								
2050	1.42	0.88	0.00	0.17	0.00	0.00	1.62	4.09								
2055	2.04	1.25	0.00	0.17	0.00	0.00	2.32	5.78								
2065	4.52	2.28	7.53	2.11	0.00	0.00	5.79	22.23								
2070	7.25	3.65	14.11	3.95	0.00	0.00	9.28	38.24								
2075	3.29	1.66	0.00	0.23	0.00	0.00	4.21	9.39								
2085	9.05	6.49	2.93	0.53	0.00	0.00	8.69	27.69	10.85	6.60	3.71	0.67	0.00	0.00	11.92	33.75
2090	10.42	9.20	4.06	0.73	0.00	0.00	11.44	35.85	12.02	9.29	5.15	0.93	0.00	0.00	14.85	42.24
2095	10.38	9.17	3.25	0.59	0.00	0.00	8.55	31.94	11.98	9.26	4.20	0.76	0.00	0.00	10.69	36.89
2105	10.95	9.67	3.25	0.59	0.00	0.00	9.02	33.48	12.63	9.76	4.20	0.76	0.00	0.00	11.27	38.62
2115	11.90	10.50	3.25	0.59	0.00	0.00	9.80	36.04	13.73	10.61	4.20	0.76	0.00	0.00	12.25	41.55
2125	13.92	12.29	6.46	1.16	0.00	0.00	15.29	49.12	16.06	12.41	8.18	1.47	0.00	0.00	19.84	57.96
2130	13.71	12.10	5.17	0.93	0.00	0.00	11.29	43.20	15.82	12.23	6.67	1.20	0.00	0.00	14.12	50.04
2140	12.36	12.95	5.17	0.93	0.00	0.00	11.87	43.28	13.90	13.04	6.67	1.20	0.00	0.00	14.31	49.12
2150	15.90	16.66	5.17	0.93	0.00	0.00	15.28	53.94	17.89	16.78	6.67	1.20	0.00	0.00	18.42	60.96
2160	20.80	21.79	7.28	1.31	0.00	0.00	19.98	71.16	23.40	21.94	9.41	1.69	0.00	0.00	24.09	80.53
2170	22.02	23.07	7.28	1.31	0.00	0.00	21.16	74.84	24.78	23.23	9.41	1.69	0.00	0.00	25.51	84.62
2175	21.08	22.08	9.10	1.64	0.00	0.00	26.04	79.94	23.71	22.24	11.53	2.08	0.00	0.00	32.55	92.11
2185	24.14	25.29	7.28	1.31	0.00	0.00	23.20	81.22	27.16	25.47	9.41	1.69	0.00	0.00	27.96	91.69
2195	22.86	26.47	7.28	1.31	0.00	0.00	25.11	83.03	25.40	26.61	9.41	1.69	0.00	0.00	29.64	92.75
2205	26.77	30.99	7.28	1.31	0.00	0.00	29.40	95.75	29.75	31.16	9.41	1.69	0.00	0.00	34.71	106.72
2220	10.41	7.47	3.62	0.65	0.00	0.00	10.00	32.15	12.49	7.60	4.59	0.83	0.00	0.00	13.72	39.23
2225	8.25	7.28	2.90	0.52	0.00	0.00	6.80	25.75	9.52	7.36	3.74	0.67	0.00	0.00	8.49	29.78
2235	13.68	10.58	5.29	0.95	0.00	0.00	16.91	47.41	16.17	10.72	6.96	1.25	0.00	0.00	22.20	57.30
2240	11.37	10.04	4.54	0.82	0.00	0.00	12.49	39.26	13.12	10.14	5.75	1.03	0.00	0.00	16.21	46.25
2245	11.21	9.89	3.63	0.65	0.00	0.00	9.23	34.61	12.93	9.99	4.69	0.84	0.00	0.00	11.54	39.99
2255	19.20	14.84	6.54	1.18	0.00	0.00	23.72	65.48	22.69	15.04	8.60	1.55	0.00	0.00	31.15	79.03
2260	15.70	13.86	5.61	1.01	0.00	0.00	17.24	53.42	18.12	14.00	7.10	1.28	0.00	0.00	22.38	62.88
2270	22.13	20.75	7.53	1.36	0.00	0.00	30.38	82.15	25.30	20.94	9.90	1.78	0.00	0.00	38.20	96.12
2275	21.21	19.89	7.53	1.36	0.00	0.00	29.12	79.11	24.24	20.07	9.90	1.78	0.00	0.00	36.60	92.59
2280	17.90	18.75	6.46	1.16	0.00	0.00	22.11	66.38	20.13	18.88	8.18	1.47	0.00	0.00	27.64	76.30
2285	17.51	18.35	5.17	0.93	0.00	0.00	16.83	58.79	19.70	18.47	6.67	1.20	0.00	0.00	20.26	66.32
2295	20.13	23.30	6.12	1.10	0.00	0.00	22.11	72.76	22.37	23.43	7.91	1.42	0.00	0.00	26.10	81.23
2300	21.06	22.07	7.65	1.38	0.00	0.00	26.02	78.18	23.70	22.22	9.70	1.75	0.00	0.00	32.53	89.90
2310	25.16	23.59	9.04	1.63	0.00	0.00	34.54	93.96	28.75	23.80	11.88	2.14	0.00	0.00	43.42	109.99
2315	23.84	22.36	9.04	1.63	0.00	0.00	32.73	89.60	27.25	22.56	11.88	2.14	0.00	0.00	41.15	104.98
2320	20.07	21.02	7.75	1.39	0.00	0.00	24.79	75.02	22.58	21.17	9.82	1.77	0.00	0.00	30.99	86.33

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
2330	31.38	32.87	13.41	2.41	0.00	0.00	47.38	127.45	35.30	33.10	17.63	3.17	0.00	0.00	58.15	147.35
2335	23.96	27.73	11.50	2.07	0.00	0.00	32.89	98.15	26.62	27.89	14.56	2.62	0.00	0.00	40.20	111.89
2350	8.57	7.57	2.97	0.54	0.00	0.00	7.06	26.71	9.89	7.65	3.84	0.69	0.00	0.00	8.83	30.90
2360	12.33	10.88	4.16	0.75	0.00	0.00	10.15	38.27	14.22	10.99	5.37	0.97	0.00	0.00	12.69	44.24
2370	14.77	17.10	5.24	0.94	0.00	0.00	16.22	54.27	16.41	17.19	6.77	1.22	0.00	0.00	19.15	60.74
2380	21.55	24.94	5.80	1.04	0.00	0.00	23.66	76.99	23.94	25.08	7.49	1.35	0.00	0.00	27.94	85.80
2395	16.61	17.40	10.52	1.89	0.00	0.00	20.52	66.94	18.68	17.52	13.33	2.40	0.00	0.00	25.65	77.58
2400	17.03	17.84	8.42	1.52	0.00	0.00	16.36	61.17	19.16	17.96	10.87	1.96	0.00	0.00	19.72	69.67
2410	19.95	20.90	10.52	1.89	0.00	0.00	24.64	77.90	22.44	21.04	13.33	2.40	0.00	0.00	30.81	90.02
2415	20.32	21.29	8.42	1.52	0.00	0.00	19.52	71.07	22.86	21.43	10.87	1.96	0.00	0.00	23.53	80.65
2425	28.30	29.65	10.87	1.96	0.00	0.00	34.96	105.74	31.84	29.85	13.77	2.48	0.00	0.00	43.70	121.64
2430	25.92	30.00	8.69	1.56	0.00	0.00	28.46	94.63	28.79	30.17	11.23	2.02	0.00	0.00	33.60	105.81
2440	37.20	43.06	17.26	3.11	0.00	0.00	40.85	141.48	41.33	43.30	22.30	4.01	0.00	0.00	48.23	159.17
2445	38.47	44.53	21.58	3.88	0.00	0.00	52.81	161.27	42.74	44.78	27.33	4.92	0.00	0.00	64.54	184.31
2460	7.68	5.51	4.66	0.84	0.00	0.00	7.38	26.07	9.22	5.60	5.91	1.06	0.00	0.00	10.12	31.91
2465	7.03	5.43	3.73	0.67	0.00	0.00	4.82	21.68	8.31	5.51	4.82	0.87	0.00	0.00	6.27	25.78
2475	10.68	7.67	4.66	0.84	0.00	0.00	10.27	34.12	12.82	7.79	5.91	1.06	0.00	0.00	14.08	41.66
2480	9.71	7.50	3.73	0.67	0.00	0.00	6.66	28.27	11.48	7.61	4.82	0.87	0.00	0.00	8.66	33.44
2490	10.96	9.67	8.28	1.49	0.00	0.00	12.03	42.43	12.64	9.77	10.49	1.89	0.00	0.00	15.62	50.41
2495	10.88	9.60	6.63	1.19	0.00	0.00	8.96	37.26	12.55	9.70	8.56	1.54	0.00	0.00	11.20	43.55
2505	21.86	16.90	9.67	1.74	0.00	0.00	27.01	77.18	25.84	17.13	12.70	2.29	0.00	0.00	35.47	93.43
2510	16.58	14.64	8.28	1.49	0.00	0.00	18.21	59.20	19.13	14.79	10.49	1.89	0.00	0.00	23.64	69.94
2515	15.95	14.08	6.63	1.19	0.00	0.00	13.13	50.98	18.40	14.22	8.56	1.54	0.00	0.00	16.42	59.14
2525	16.68	17.48	8.28	1.49	0.00	0.00	20.61	64.54	18.77	17.60	10.49	1.89	0.00	0.00	25.77	74.52
2530	16.27	17.05	6.63	1.19	0.00	0.00	15.64	56.78	18.31	17.17	8.56	1.54	0.00	0.00	18.85	64.43
2540	29.60	27.75	13.16	2.37	0.00	0.00	40.63	113.51	33.82	28.00	17.29	3.11	0.00	0.00	51.07	133.29
2545	23.36	24.47	11.28	2.03	0.00	0.00	28.86	90.00	26.28	24.64	14.28	2.57	0.00	0.00	36.07	103.84
2550	24.00	25.14	9.02	1.62	0.00	0.00	23.06	82.84	27.00	25.32	11.65	2.10	0.00	0.00	27.80	93.87
2560	31.04	32.51	15.80	2.84	0.00	0.00	46.86	129.05	34.92	32.74	20.77	3.74	0.00	0.00	57.52	149.69
2565	22.30	25.82	13.54	2.44	0.00	0.00	30.62	94.72	24.78	25.96	17.16	3.09	0.00	0.00	37.42	108.41
2570	26.01	27.25	10.84	1.95	0.00	0.00	24.99	91.04	29.26	27.44	14.00	2.52	0.00	0.00	30.13	103.35
2585	11.18	9.87	4.98	0.90	0.00	0.00	12.28	39.21	12.90	9.97	6.30	1.13	0.00	0.00	15.94	46.24
2590	10.82	9.56	3.98	0.72	0.00	0.00	8.92	34.00	12.49	9.65	5.14	0.93	0.00	0.00	11.14	39.35
2600	12.41	10.95	4.98	0.90	0.00	0.00	13.63	42.87	14.32	11.07	6.30	1.13	0.00	0.00	17.69	50.51
2605	12.09	10.68	3.98	0.72	0.00	0.00	9.96	37.43	13.95	10.78	5.14	0.93	0.00	0.00	12.45	43.25
2615	14.56	12.85	6.24	1.12	0.00	0.00	15.99	50.76	16.80	12.98	7.90	1.42	0.00	0.00	20.75	59.85
2620	12.39	12.98	4.99	0.90	0.00	0.00	11.91	43.17	13.94	13.07	6.44	1.16	0.00	0.00	14.35	48.96
2635	3.64	4.05	4.47	1.25	0.68	0.10	3.84	18.03								
2640	4.00	4.43	4.59	1.28	0.68	0.10	4.22	19.30								
2645	4.44	5.00	4.59	1.28	1.07	0.16	4.70	21.24								
2650	4.88	5.48	4.59	1.28	1.10	0.16	5.16	22.65								
2655	6.39	7.15	6.22	1.74	0.97	0.14	6.75	29.36								
2660	8.83	10.00	6.78	1.90	2.25	0.34	9.37	39.47								
2670	4.10	4.45	4.79	1.34	0.44	0.07	4.29	19.48								
2675	4.42	4.80	4.79	1.34	0.44	0.07	4.63	20.49								
2680	4.74	5.13	4.79	1.34	0.44	0.07	4.96	21.47								
2690	4.36	4.73	4.79	1.34	0.44	0.07	4.57	20.30								
2695	5.00	5.52	4.79	1.34	0.82	0.12	5.27	22.86								
2700	7.38	8.34	7.50	2.10	1.83	0.27	7.82	35.24								
2705	10.63	11.90	7.50	2.10	2.25	0.34	11.24	45.96								
2715	7.09	7.62	6.65	1.73	0.67	0.10	5.87	29.73	7.97	7.67	8.53	2.22	0.79	0.12	7.16	34.46
2720	12.54	13.40	9.52	2.47	0.92	0.14	10.38	49.37	14.11	13.49	12.28	3.19	1.08	0.16	12.65	56.96
2730	8.08	7.27	6.86	1.78	0.47	0.07	5.57	30.10	9.32	7.34	9.03	2.35	0.55	0.08	7.07	35.74
2735	7.74	8.37	8.10	2.11	0.90	0.13	6.42	33.77	8.71	8.42	10.66	2.77	1.06	0.16	7.83	39.61
2740	9.89	10.61	8.50	2.21	0.88	0.13	8.19	40.41	11.13	10.69	11.18	2.91	1.04	0.16	9.99	47.10

TABLE 3-5 HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
2745	12.58	15.18	9.69	2.52	2.22	0.33	12.20	54.72	13.97	15.26	12.47	3.24	2.64	0.40	14.53	62.51
2755	6.78	7.26	8.62	2.24	0.56	0.08	5.62	31.16	7.63	7.31	11.34	2.95	0.66	0.10	6.85	36.84
2760	7.97	8.53	8.62	2.24	0.64	0.10	6.60	34.70	8.97	8.59	11.34	2.95	0.76	0.11	8.04	40.76
2765	9.72	10.41	9.74	2.53	0.78	0.12	8.05	41.35	10.94	10.48	12.81	3.33	0.92	0.14	9.81	48.43
2775	8.06	7.25	8.38	2.18	0.48	0.07	5.56	31.98	9.30	7.33	11.02	2.87	0.57	0.09	7.05	38.23
2780	9.00	9.67	9.74	2.53	0.85	0.13	7.45	39.37	10.12	9.73	12.81	3.33	1.01	0.15	9.09	46.24
2785	9.86	10.57	9.74	2.53	0.85	0.13	8.17	41.85	11.10	10.65	12.81	3.33	1.01	0.15	9.95	49.00
2790	12.87	15.51	14.56	3.79	2.22	0.33	12.48	61.76	14.30	15.60	19.16	4.98	2.64	0.40	14.86	71.94
2800	11.43	13.65	6.24	1.62	1.48	0.22	11.07	45.71	12.70	13.73	7.97	2.07	1.76	0.26	13.17	51.66
2805	15.96	19.04	10.54	2.74	2.02	0.30	15.44	66.04	17.73	19.15	13.50	3.51	2.41	0.36	18.39	75.05
2815	12.18	13.17	6.32	1.64	1.48	0.22	10.11	45.12	13.70	13.27	8.08	2.10	1.76	0.26	12.32	51.49
2820	13.75	17.89	8.80	2.29	1.81	0.27	15.19	60.00	15.12	17.97	11.24	2.92	1.98	0.30	17.76	67.29
2825	16.51	21.49	9.04	2.35	2.19	0.33	18.24	70.15	18.16	21.59	11.56	3.01	2.41	0.36	21.32	78.41
2835	11.94	12.93	6.30	1.64	1.48	0.22	9.91	44.42	13.44	13.02	8.04	2.09	1.76	0.26	12.08	50.69
2840	12.93	15.38	8.00	2.08	1.48	0.22	12.50	52.59	14.36	15.46	10.23	2.66	1.76	0.26	14.88	59.61
2845	15.90	18.87	10.80	2.81	1.66	0.25	15.37	65.66	17.67	18.98	13.90	3.62	1.98	0.30	18.30	74.75
2850	19.82	25.78	12.36	3.21	2.52	0.38	21.90	85.97	21.80	25.90	15.88	4.13	2.77	0.42	25.59	96.49
2860	9.03	8.14	4.63	1.20	0.61	0.09	6.23	29.93	10.41	8.22	5.90	1.53	0.74	0.11	7.90	34.81
2865	8.43	9.04	5.25	1.37	0.73	0.11	6.98	31.91	9.49	9.10	6.69	1.74	0.87	0.13	8.51	36.53
2870	8.94	9.64	5.43	1.41	0.94	0.14	7.41	33.91	10.06	9.70	6.90	1.79	1.12	0.17	9.04	38.78
2875	12.43	13.44	7.03	1.83	1.48	0.22	10.31	46.74	13.98	13.53	9.00	2.34	1.76	0.26	12.57	53.44
2880	12.00	14.30	7.16	1.86	1.48	0.22	11.61	48.63	13.33	14.38	9.16	2.38	1.76	0.26	13.82	55.09
2885	13.85	16.59	8.82	2.29	2.02	0.30	13.41	57.28	15.38	16.69	11.24	2.92	2.41	0.36	15.97	64.97
2890	17.42	22.65	10.81	2.81	2.19	0.33	19.25	75.46	19.17	22.75	13.87	3.61	2.41	0.36	22.50	84.67
2895	34.82	44.99	17.62	4.58	3.31	0.50	38.41	144.23	38.31	45.20	22.71	5.90	3.64	0.55	44.90	161.21
2905	4.41	2.77	0.00	0.27	0.00	0.00	5.97	13.42								
2910	4.05	2.54	0.00	0.40	0.00	0.00	5.48	12.47								
2915	4.61	2.89	0.00	0.54	0.00	0.00	6.24	14.28								
2920	5.44	3.41	0.00	0.54	0.00	0.00	7.36	16.75								
2925	6.04	3.79	0.00	0.67	0.00	0.00	8.17	18.67								
2935	4.73	2.97	0.00	0.38	0.00	0.00	6.40	14.48								
2940	5.16	3.24	0.00	0.51	0.00	0.00	6.98	15.89								
2945	5.86	3.68	0.00	0.81	0.00	0.00	7.93	18.28								
2955	4.34	2.72	0.00	0.44	0.00	0.00	5.87	13.37								
2960	4.92	3.09	0.00	0.44	0.00	0.00	6.66	15.11								
2965	6.02	3.78	0.00	0.66	0.00	0.00	8.14	18.60								
2975	1.03	0.64	0.00	0.25	0.00	0.00	1.39	3.31								
2980	0.68	0.43	0.00	0.25	0.00	0.00	0.92	2.28								
2985	0.10	0.06	0.00	0.20	0.00	0.00	0.14	0.50								
2995	1.60	1.00	2.17	0.52	0.00	0.00	2.17	7.46								
3000	1.12	0.70	0.99	0.24	0.00	0.00	1.51	4.56								
3010	0.96	0.60	1.74	0.28	0.00	0.00	1.30	4.88								
3015	1.49	0.93	2.42	0.58	0.00	0.00	2.01	7.43								
3025	1.01	0.63	1.16	0.19	0.00	0.00	1.37	4.36								
3030	1.54	0.96	2.99	0.48	0.00	0.00	2.08	8.05								
3035	1.83	1.15	1.97	0.47	0.00	0.00	2.48	7.90								
3040	2.11	1.32	2.66	0.64	0.00	0.00	2.85	9.58								
3045	2.53	1.59	2.96	0.71	0.00	0.00	3.42	11.21								
3055	12.35	11.46	15.00	3.60	1.04	0.16	16.78	60.39								
3065	10.68	9.91	11.10	2.66	0.88	0.13	14.51	49.87								
3070	18.02	16.78	16.04	3.85	1.81	0.27	24.51	81.28								
3075	19.17	17.83	16.53	3.97	1.81	0.27	26.07	85.65								
3080	22.76	21.19	17.27	4.15	2.26	0.34	30.96	98.93								
3085	20.08	18.31	24.67	5.92	0.00	0.00	27.17	96.15								
3090	24.91	29.81	28.17	14.09	0.00	0.00	16.86	113.84								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
3095	31.10	37.22	29.40	14.70	0.00	0.00	21.04	133.46									
3100	35.31	42.26	53.90	26.95	0.00	0.00	23.90	182.32									
3110	1.58	1.00	4.95	1.19	0.12	0.02	2.04	10.90									
3115	1.79	1.13	6.28	1.51	0.13	0.02	2.31	13.17									
3120	2.75	1.73	9.11	2.19	0.15	0.02	3.54	19.49									
3125	3.78	2.43	9.97	2.39	0.40	0.06	4.89	23.92									
3130	4.35	2.78	9.97	2.39	0.40	0.06	5.62	25.57									
3135	4.50	2.90	9.97	2.39	0.48	0.07	5.82	26.13									
3140	5.04	3.22	9.97	2.39	0.47	0.07	6.51	27.67									
3145	9.69	6.21	14.92	3.58	0.96	0.14	12.53	48.03									
3160	1.00	0.81	5.15	1.24	0.00	0.00	1.47	9.67	1.11	0.82	6.77	1.63	0.00	0.00	1.84	12.17	
3165	1.17	0.96	7.98	1.92	0.00	0.00	1.73	13.76	1.30	0.97	10.50	2.52	0.00	0.00	2.17	17.46	
3170	1.34	1.09	8.78	2.11	0.00	0.00	1.98	15.30	1.49	1.10	11.55	2.77	0.00	0.00	2.47	19.38	
3175	1.42	1.16	10.37	2.49	0.00	0.00	2.09	17.53	1.57	1.17	13.65	3.28	0.00	0.00	2.62	22.29	
3180	1.60	1.31	11.77	2.82	0.00	0.00	2.37	19.87	1.78	1.32	15.49	3.72	0.00	0.00	2.96	25.27	
3185	1.88	1.53	13.17	3.16	0.00	0.00	2.77	22.51	2.08	1.55	17.32	4.16	0.00	0.00	3.47	28.58	
3190	2.04	1.66	15.56	3.73	0.00	0.00	3.01	26.00	2.26	1.68	20.47	4.91	0.00	0.00	3.76	33.08	
3195	3.61	2.95	16.96	4.07	0.00	0.00	5.34	32.93	4.01	2.98	22.31	5.35	0.00	0.00	6.67	41.32	
3200	2.82	2.30	17.56	4.21	0.00	0.00	4.16	31.05	3.13	2.32	23.10	5.54	0.00	0.00	5.20	39.29	
3205	3.28	2.68	24.94	5.98	0.00	0.00	4.84	41.72	3.64	2.70	32.81	7.87	0.00	0.00	6.05	53.07	
3210	5.01	4.09	29.13	6.99	0.00	0.00	7.40	52.62	5.56	4.13	38.32	9.20	0.00	0.00	9.25	66.46	
3215	7.41	6.05	32.32	7.76	0.00	0.00	10.94	64.48	8.23	6.10	42.52	10.21	0.00	0.00	13.68	80.74	
3220	9.64	7.88	46.08	11.06	0.00	0.00	14.24	88.90	10.71	7.94	60.64	14.55	0.00	0.00	17.80	111.64	
3235	0.36	0.30	1.08	0.26	0.00	0.00	0.54	2.54	0.40	0.30	1.42	0.34	0.00	0.00	0.67	3.13	
3240	0.54	0.44	2.51	0.60	0.00	0.00	0.80	4.89	0.60	0.44	3.31	0.79	0.00	0.00	1.00	6.14	
3245	0.71	0.58	3.47	0.83	0.00	0.00	1.05	6.64	0.79	0.59	4.57	1.10	0.00	0.00	1.32	8.37	
3250	0.82	0.67	4.07	0.98	0.00	0.00	1.21	7.75	0.91	0.68	5.35	1.29	0.00	0.00	1.52	9.75	
3255	0.98	0.80	6.46	1.55	0.00	0.00	1.44	11.23	1.08	0.80	8.50	2.04	0.00	0.00	1.80	14.22	
3260	1.02	0.84	6.46	1.55	0.00	0.00	1.51	11.38	1.14	0.84	8.50	2.04	0.00	0.00	1.89	14.41	
3265	1.18	0.97	8.38	2.01	0.00	0.00	1.75	14.29	1.31	0.97	11.02	2.65	0.00	0.00	2.19	18.14	
3270	1.40	1.15	11.01	2.64	0.00	0.00	2.07	18.27	1.56	1.16	14.49	3.48	0.00	0.00	2.59	23.28	
3280	5.26	4.43	5.37	1.56	0.48	0.07	5.76	22.93	6.32	4.49	7.05	2.05	0.83	0.12	7.41	28.27	
3285	5.70	4.81	5.37	1.56	0.57	0.08	6.24	24.33	6.84	4.88	7.05	2.05	0.99	0.15	8.03	29.99	
3290	5.61	4.71	6.87	1.99	0.48	0.07	6.13	25.86	6.73	4.78	9.03	2.62	0.83	0.12	7.88	31.99	
3295	6.00	5.07	6.87	1.99	0.62	0.09	6.57	27.21	7.20	5.14	9.03	2.62	1.08	0.16	8.45	33.68	
3305	4.61	3.90	4.59	1.33	0.48	0.07	5.05	20.03	5.53	3.96	6.04	1.75	0.79	0.12	6.49	24.68	
3310	5.17	4.36	4.96	1.44	0.48	0.07	5.66	22.14	6.20	4.42	6.52	1.89	0.79	0.12	7.27	27.21	
3315	5.61	4.74	4.96	1.44	0.53	0.08	6.15	23.51	6.74	4.81	6.52	1.89	0.87	0.13	7.90	28.86	
3320	5.65	4.79	5.51	1.60	0.61	0.09	6.20	24.45	6.78	4.86	7.24	2.10	1.01	0.15	7.97	30.11	
3325	7.73	6.72	6.61	1.92	1.44	0.22	8.54	33.18	9.28	6.81	8.69	2.52	2.39	0.36	10.98	41.03	
3330	11.09	9.72	9.19	2.66	2.38	0.36	12.29	47.69	13.31	9.86	12.07	3.50	3.94	0.59	15.80	59.07	
3340	2.42	2.02	2.50	0.72	0.16	0.02	2.64	10.48	2.90	2.05	3.28	0.95	0.27	0.04	3.40	12.89	
3345	4.56	3.88	4.96	1.44	0.53	0.08	5.01	20.46	5.48	3.93	6.52	1.89	0.87	0.13	6.44	25.26	
3350	4.89	4.15	4.96	1.44	0.53	0.08	5.37	21.42	5.87	4.21	6.52	1.89	0.87	0.13	6.90	26.39	
3355	5.26	4.47	5.88	1.71	0.61	0.09	5.77	23.79	6.31	4.53	7.73	2.24	1.01	0.15	7.42	29.39	
3365	2.23	1.87	4.94	0.79	0.16	0.02	2.44	12.45	2.67	1.90	6.39	1.02	0.27	0.04	3.13	15.42	
3370	4.55	3.86	5.51	1.60	0.48	0.07	4.99	21.06	5.47	3.91	7.24	2.10	0.79	0.12	6.42	26.05	
3375	5.52	4.68	7.35	2.13	0.61	0.09	6.05	26.43	6.62	4.75	9.66	2.80	1.01	0.15	7.78	32.77	
3385	4.71	3.99	4.96	1.44	0.48	0.07	5.16	20.81	5.65	4.04	6.52	1.89	0.79	0.12	6.64	25.65	
3390	4.80	4.10	5.88	1.71	0.61	0.09	5.28	22.47	5.76	4.15	7.73	2.24	1.01	0.15	6.78	27.82	
3395	5.62	4.78	7.39	2.14	0.67	0.10	6.17	26.87	6.75	4.85	9.71	2.82	1.10	0.17	7.94	33.34	
3405	4.26	2.62	3.99	0.96	0.00	0.00	5.45	17.28									
3410	5.75	3.54	3.99	0.96	0.00	0.00	7.36	21.60									
3415	8.85	5.45	5.19	1.24	0.00	0.00	11.33	32.06									
3420	10.50	6.46	5.98	1.44	0.00	0.00	13.44	37.82									

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
3430	0.46	0.28	0.00	0.20	0.00	0.00	0.59	1.53								
3440	9.71	7.50	6.80	1.22	0.00	0.00	11.99	37.22	11.47	7.61	8.94	1.61	0.00	0.00	15.75	45.38
3445	12.72	9.83	9.19	1.65	0.00	0.00	15.71	49.10	15.03	9.96	12.07	2.17	0.00	0.00	20.63	59.86
3450	17.60	16.50	15.43	2.78	0.00	0.00	24.16	76.47	20.11	16.65	20.29	3.65	0.00	0.00	30.37	91.07
3460	10.19	6.76	6.47	1.16	0.00	0.00	11.19	35.77	12.46	6.89	8.50	1.53	0.00	0.00	15.39	44.77
3465	11.81	9.12	7.53	1.36	0.00	0.00	14.59	44.41	13.95	9.25	9.90	1.78	0.00	0.00	19.15	54.03
3470	14.96	11.56	9.11	1.64	0.00	0.00	18.48	55.75	17.68	11.72	11.98	2.16	0.00	0.00	24.27	67.81
3480	7.17	4.76	3.12	0.56	0.00	0.00	7.88	23.49	8.77	4.85	4.11	0.74	0.00	0.00	10.83	29.30
3485	9.40	6.23	4.59	0.83	0.00	0.00	10.33	31.38	11.49	6.36	6.04	1.09	0.00	0.00	14.20	39.18
3490	13.57	10.49	7.17	1.29	0.00	0.00	16.77	49.29	16.04	10.64	9.42	1.70	0.00	0.00	22.02	59.82
3495	20.64	15.95	11.94	2.15	0.00	0.00	25.50	76.18	24.39	16.17	15.70	2.83	0.00	0.00	33.48	92.57
3505	6.66	4.41	5.77	1.04	0.00	0.00	7.31	25.19	8.14	4.50	7.58	1.36	0.00	0.00	10.05	31.63
3510	7.19	5.56	6.98	1.26	0.00	0.00	8.89	29.88	8.50	5.64	9.18	1.65	0.00	0.00	11.67	36.64
3520	8.73	5.79	4.23	0.76	0.00	0.00	9.59	29.10	10.67	5.90	5.55	1.00	0.00	0.00	13.19	36.31
3525	10.69	7.22	5.88	1.06	0.00	0.00	11.96	37.01	13.31	7.36	7.73	1.39	0.00	0.00	16.45	46.24
3530	12.34	9.54	10.00	1.80	0.00	0.00	15.25	48.93	14.59	9.67	13.14	2.36	0.00	0.00	20.02	59.78
3540	7.11	5.49	5.88	1.06	0.00	0.00	8.78	28.32	8.40	5.57	7.73	1.39	0.00	0.00	11.53	34.62
3545	10.34	7.99	8.64	1.55	0.00	0.00	12.78	41.30	12.22	8.10	11.35	2.04	0.00	0.00	16.78	50.49
3550	10.11	9.48	11.32	2.04	0.00	0.00	13.87	46.82	11.55	9.56	14.88	2.68	0.00	0.00	17.44	56.11
3555	21.90	20.54	22.64	4.07	0.00	0.00	30.07	99.22	25.03	20.72	29.75	5.36	0.00	0.00	37.80	118.66
3565	11.53	8.91	8.82	1.59	0.00	0.00	14.24	45.09	13.62	9.03	11.59	2.09	0.00	0.00	18.70	55.03
3570	13.94	10.77	10.66	1.92	0.00	0.00	17.22	54.51	16.48	10.92	14.01	2.52	0.00	0.00	22.62	66.55
3575	14.65	13.74	14.33	2.58	0.00	0.00	20.12	65.42	16.75	13.86	18.84	3.39	0.00	0.00	25.29	78.13
3585	19.32	14.94	11.94	2.15	0.00	0.00	23.87	72.22	22.84	15.14	15.70	2.83	0.00	0.00	31.35	87.86
3590	24.27	18.76	13.96	2.51	0.00	0.00	29.99	89.49	28.68	19.02	18.35	3.30	0.00	0.00	39.38	108.73
3595	32.84	30.79	27.93	5.03	0.00	0.00	45.08	141.67	37.53	31.07	36.71	6.61	0.00	0.00	56.67	168.59
3605	6.42	4.26	3.86	0.69	0.00	0.00	7.05	22.28	7.85	4.34	5.07	0.91	0.00	0.00	9.70	27.87
3610	8.94	5.92	6.98	1.26	0.00	0.00	9.81	32.91	10.92	6.04	9.18	1.65	0.00	0.00	13.49	41.28
3620	5.33	3.53	3.97	0.71	0.00	0.00	5.85	19.39	6.51	3.60	5.22	0.94	0.00	0.00	8.05	24.32
3625	8.07	5.35	5.26	0.95	0.00	0.00	8.86	28.49	9.86	5.45	6.91	1.24	0.00	0.00	12.18	35.64
3635	7.58	5.03	5.59	1.01	0.00	0.00	8.33	27.54	9.27	5.13	7.34	1.32	0.00	0.00	11.45	34.51
3640	11.07	8.56	8.38	1.51	0.00	0.00	13.68	43.20	13.09	8.68	11.01	1.98	0.00	0.00	17.97	52.73
3645	13.70	10.59	11.17	2.01	0.00	0.00	16.92	54.39	16.19	10.73	14.68	2.64	0.00	0.00	22.22	66.46
3655	7.64	6.89	6.73	1.84	0.52	0.08	5.27	28.97	8.81	6.96	8.82	2.41	0.63	0.09	6.69	34.41
3660	8.44	7.66	7.85	2.04	0.75	0.11	5.83	32.68	9.74	7.74	10.11	2.63	0.92	0.14	7.40	38.68
3665	9.20	9.96	12.44	3.23	1.15	0.17	7.63	43.78	10.35	10.03	16.13	4.19	1.38	0.21	9.31	51.60
3675	1.22	0.75	0.00	0.09	0.00	0.00	1.37	3.43	1.53	0.77	0.00	0.09	0.00	0.00	1.93	4.32
3680	1.74	1.06	0.00	0.11	0.00	0.00	1.95	4.86	2.17	1.09	0.00	0.11	0.00	0.00	2.74	6.11
3685	2.26	1.38	0.00	0.14	0.00	0.00	2.53	6.31	2.82	1.42	0.00	0.14	0.00	0.00	3.56	7.94
3690	1.09	0.67	0.00	0.19	0.00	0.00	1.22	3.17	1.36	0.68	0.00	0.19	0.00	0.00	1.72	3.95
3700	0.71	0.55	0.65	0.16	0.00	0.00	0.95	3.02								
3710	0.65	0.50	0.71	0.17	0.00	0.00	0.87	2.90								
3720	1.48	1.26	1.12	0.31	0.71	0.11	2.31	7.30	1.85	1.28	1.47	0.41	1.11	0.17	3.21	9.50
3730	0.30	0.23	0.00	0.00	0.00	0.00	0.45	0.98	0.37	0.24	0.00	0.00	0.00	0.00	0.63	1.24
3735	0.43	0.34	0.00	0.00	0.00	0.00	0.66	1.43	0.54	0.34	0.00	0.00	0.00	0.00	0.91	1.79
3740	0.07	0.05	0.00	0.00	0.00	0.00	0.10	0.22	0.08	0.05	0.00	0.00	0.00	0.00	0.14	0.27
3745	0.35	0.27	0.00	0.00	0.00	0.00	0.53	1.15	0.43	0.28	0.00	0.00	0.00	0.00	0.73	1.44
3750	0.30	0.23	0.00	0.00	0.00	0.00	0.45	0.98	0.37	0.24	0.00	0.00	0.00	0.00	0.62	1.23
3755	0.35	0.27	0.00	0.00	0.00	0.00	0.53	1.15	0.44	0.28	0.00	0.00	0.00	0.00	0.74	1.46
3760	0.46	0.36	0.00	0.00	0.00	0.00	0.70	1.52	0.57	0.37	0.00	0.00	0.00	0.00	0.97	1.91
3765	0.05	0.04	0.00	0.00	0.00	0.00	0.08	0.17	0.07	0.04	0.00	0.00	0.00	0.00	0.11	0.22
3770	1.66	1.41	1.68	0.47	0.87	0.13	2.59	8.81	2.07	1.44	2.20	0.62	1.36	0.20	3.59	11.48
3780	0.37	0.29	0.00	0.00	0.00	0.00	0.56	1.22	0.46	0.29	0.00	0.00	0.00	0.00	0.78	1.53
3785	0.45	0.35	0.00	0.00	0.00	0.00	0.69	1.49	0.57	0.36	0.00	0.00	0.00	0.00	0.95	1.88
3790	0.07	0.05	0.00	0.00	0.00	0.00	0.10	0.22	0.08	0.05	0.00	0.00	0.00	0.00	0.14	0.27

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
3795	0.35	0.27	0.00	0.00	0.00	0.00	0.53	1.15	0.43	0.28	0.00	0.00	0.00	0.00	0.73	1.44
3800	0.33	0.26	0.00	0.00	0.00	0.00	0.50	1.09	0.42	0.26	0.00	0.00	0.00	0.00	0.70	1.38
3805	0.41	0.32	0.00	0.00	0.00	0.00	0.62	1.35	0.51	0.33	0.00	0.00	0.00	0.00	0.86	1.70
3810	0.52	0.41	0.00	0.00	0.00	0.00	0.79	1.72	0.65	0.41	0.00	0.00	0.00	0.00	1.09	2.15
3815	0.05	0.04	0.00	0.00	0.00	0.00	0.08	0.17	0.07	0.04	0.00	0.00	0.00	0.00	0.11	0.22
3820	1.86	1.61	2.23	0.63	1.16	0.17	2.93	10.59	2.33	1.64	2.94	0.82	1.81	0.27	4.07	13.88
3830	0.40	0.31	0.00	0.00	0.00	0.00	0.60	1.31	0.50	0.32	0.00	0.00	0.00	0.00	0.84	1.66
3835	0.48	0.38	0.00	0.00	0.00	0.00	0.73	1.59	0.60	0.38	0.00	0.00	0.00	0.00	1.01	1.99
3840	0.07	0.05	0.00	0.00	0.00	0.00	0.10	0.22	0.08	0.05	0.00	0.00	0.00	0.00	0.14	0.27
3845	0.35	0.27	0.00	0.00	0.00	0.00	0.53	1.15	0.43	0.28	0.00	0.00	0.00	0.00	0.73	1.44
3850	0.38	0.29	0.00	0.00	0.00	0.00	0.57	1.24	0.47	0.30	0.00	0.00	0.00	0.00	0.79	1.56
3855	0.49	0.38	0.00	0.00	0.00	0.00	0.74	1.61	0.61	0.39	0.00	0.00	0.00	0.00	1.03	2.03
3860	0.65	0.51	0.00	0.00	0.00	0.00	0.99	2.15	0.82	0.52	0.00	0.00	0.00	0.00	1.38	2.72
3865	0.05	0.04	0.00	0.00	0.00	0.00	0.08	0.17	0.07	0.04	0.00	0.00	0.00	0.00	0.11	0.22
3870	2.25	1.97	3.35	0.94	1.60	0.24	3.56	13.91	2.82	2.01	4.41	1.23	2.52	0.38	4.94	18.31
3880	0.42	0.33	0.00	0.00	0.00	0.00	0.64	1.39	0.53	0.34	0.00	0.00	0.00	0.00	0.89	1.76
3885	0.55	0.43	0.00	0.00	0.00	0.00	0.84	1.82	0.69	0.44	0.00	0.00	0.00	0.00	1.16	2.29
3890	0.07	0.05	0.00	0.00	0.00	0.00	0.10	0.22	0.08	0.05	0.00	0.00	0.00	0.00	0.14	0.27
3895	0.35	0.27	0.00	0.00	0.00	0.00	0.53	1.15	0.43	0.28	0.00	0.00	0.00	0.00	0.73	1.44
3900	0.47	0.37	0.00	0.00	0.00	0.00	0.71	1.55	0.59	0.37	0.00	0.00	0.00	0.00	0.99	1.95
3905	0.61	0.47	0.00	0.00	0.00	0.00	0.92	2.00	0.76	0.48	0.00	0.00	0.00	0.00	1.27	2.51
3910	0.82	0.64	0.00	0.00	0.00	0.00	1.24	2.70	1.02	0.65	0.00	0.00	0.00	0.00	1.72	3.39
3915	0.05	0.04	0.00	0.00	0.00	0.00	0.08	0.17	0.07	0.04	0.00	0.00	0.00	0.00	0.11	0.22
3920	4.10	3.46	4.99	1.40	1.88	0.28	6.39	22.50	5.13	3.53	6.56	1.84	2.93	0.44	8.88	29.31
3930	0.61	0.48	0.00	0.00	0.00	0.00	0.93	2.02	0.77	0.49	0.00	0.00	0.00	0.00	1.29	2.55
3935	0.07	0.05	0.00	0.00	0.00	0.00	0.10	0.22	0.08	0.05	0.00	0.00	0.00	0.00	0.14	0.27
3940	0.39	0.30	0.00	0.00	0.00	0.00	0.59	1.28	0.48	0.31	0.00	0.00	0.00	0.00	0.81	1.60
3945	0.53	0.42	0.00	0.00	0.00	0.00	0.81	1.76	0.67	0.42	0.00	0.00	0.00	0.00	1.12	2.21
3950	0.74	0.57	0.00	0.00	0.00	0.00	1.11	2.42	0.92	0.58	0.00	0.00	0.00	0.00	1.55	3.05
3955	0.96	0.75	0.00	0.00	0.00	0.00	1.46	3.17	1.20	0.77	0.00	0.00	0.00	0.00	2.03	4.00
3960	0.05	0.04	0.00	0.00	0.00	0.00	0.08	0.17	0.07	0.04	0.00	0.00	0.00	0.00	0.11	0.22
3965	7.07	6.11	4.99	1.40	4.61	0.69	11.11	35.98	8.83	6.23	6.56	1.84	7.26	1.09	15.43	47.24
3970	7.89	6.80	7.38	2.07	5.03	0.75	12.39	42.31	9.86	6.93	9.71	2.72	7.96	1.19	17.21	55.58
3975	7.92	7.03	7.38	2.07	6.95	1.04	12.57	44.96	9.90	7.16	9.71	2.72	11.07	1.66	17.46	59.68
3980	9.11	8.10	11.57	3.24	8.21	1.23	14.47	55.93	11.39	8.25	15.22	4.26	13.12	1.97	20.10	74.31
3990	8.91	7.55	7.38	2.07	4.61	0.69	13.90	45.11	11.14	7.69	9.71	2.72	7.26	1.09	19.31	58.92
3995	9.40	7.98	7.38	2.07	5.03	0.75	14.68	47.29	11.75	8.13	9.71	2.72	7.96	1.19	20.39	61.85
4000	10.53	9.07	11.57	3.24	6.95	1.04	16.53	58.93	13.17	9.24	15.22	4.26	11.07	1.66	22.96	77.58
4005	11.58	10.02	11.57	3.24	8.21	1.23	18.21	64.06	14.48	10.21	15.22	4.26	13.12	1.97	25.30	84.56
4015	0.59	0.46	0.00	0.00	0.00	0.00	0.89	1.94	0.74	0.47	0.00	0.00	0.00	0.00	1.24	2.45
4020	0.78	0.61	0.00	0.00	0.00	0.00	1.18	2.57	0.98	0.62	0.00	0.00	0.00	0.00	1.64	3.24
4025	1.06	0.83	0.00	0.00	0.00	0.00	1.60	3.49	1.32	0.84	0.00	0.00	0.00	0.00	2.22	4.38
4030	1.21	0.95	0.00	0.00	0.00	0.00	1.84	4.00	1.52	0.96	0.00	0.00	0.00	0.00	2.55	5.03
4040	2.19	1.52	1.68	0.64	0.00	0.00	3.77	9.80	2.73	1.55	2.21	0.84	0.00	0.00	5.15	12.48
4045	2.98	2.07	2.28	0.87	0.00	0.00	5.14	13.34	3.72	2.11	3.01	1.14	0.00	0.00	7.00	16.98
4050	3.95	2.75	3.10	1.18	0.00	0.00	6.83	17.81	4.94	2.81	4.08	1.55	0.00	0.00	9.31	22.69
4055	5.15	3.59	4.52	1.72	0.00	0.00	8.90	23.88	6.44	3.66	5.95	2.26	0.00	0.00	12.13	30.44
4065	2.72	1.90	2.80	1.06	0.00	0.00	4.70	13.18	3.40	1.94	3.69	1.40	0.00	0.00	6.41	16.84
4070	4.04	2.82	3.44	1.31	0.00	0.00	6.98	18.59	5.06	2.87	4.54	1.72	0.00	0.00	9.52	23.71
4075	4.76	3.31	4.09	1.55	0.00	0.00	8.21	21.92	5.95	3.38	5.39	2.05	0.00	0.00	11.20	27.97
4080	6.41	4.46	5.60	2.13	0.00	0.00	11.07	29.67	8.01	4.56	7.37	2.80	0.00	0.00	15.09	37.83
4085	9.53	6.64	8.18	3.11	0.00	0.00	16.45	43.91	11.92	6.77	10.77	4.09	0.00	0.00	22.44	55.99
4090	14.74	10.26	11.84	4.50	0.00	0.00	25.44	66.78	18.42	10.47	15.59	5.93	0.00	0.00	34.69	85.10
4100	3.91	2.72	3.75	1.42	0.00	0.00	6.74	18.54	4.88	2.78	4.93	1.87	0.00	0.00	9.20	23.66
4105	4.98	3.47	5.25	2.00	0.00	0.00	8.60	24.30	6.23	3.54	6.92	2.63	0.00	0.00	11.73	31.05

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4110	6.52	4.54	6.46	2.45	0.00	0.00	11.26	31.23	8.15	4.64	8.50	3.23	0.00	0.00	15.35	39.87
4115	9.42	6.56	9.60	3.65	0.00	0.00	16.27	45.50	11.78	6.70	12.64	4.80	0.00	0.00	22.18	58.10
4125	3.00	2.09	2.80	1.06	0.00	0.00	5.18	14.13	3.75	2.13	3.69	1.40	0.00	0.00	7.07	18.04
4130	3.56	2.48	3.36	1.28	0.00	0.00	6.14	16.82	4.45	2.53	4.42	1.68	0.00	0.00	8.38	21.46
4135	5.64	3.92	5.77	2.19	0.00	0.00	9.73	27.25	7.05	4.01	7.60	2.89	0.00	0.00	13.27	34.82
4140	8.06	5.61	8.18	3.11	0.00	0.00	13.91	38.87	10.07	5.73	10.77	4.09	0.00	0.00	18.97	49.63
4150	2.38	1.66	1.81	0.69	0.00	0.00	4.11	10.65	2.98	1.69	2.38	0.90	0.00	0.00	5.61	13.56
4155	3.13	2.18	2.80	1.06	0.00	0.00	5.40	14.57	3.91	2.22	3.69	1.40	0.00	0.00	7.37	18.59
4165	2.65	1.85	2.71	1.03	0.00	0.00	4.58	12.82	3.31	1.88	3.57	1.36	0.00	0.00	6.24	16.36
4170	4.62	3.21	4.74	1.80	0.00	0.00	7.97	22.34	5.77	3.28	6.24	2.37	0.00	0.00	10.86	28.52
4175	5.61	3.91	5.81	2.21	0.00	0.00	9.69	27.23	7.02	3.99	7.65	2.91	0.00	0.00	13.21	34.78
4180	10.70	7.45	8.61	3.27	0.00	0.00	18.46	48.49	13.37	7.60	11.34	4.31	0.00	0.00	25.18	61.80
4185	15.87	11.05	15.07	5.73	0.00	0.00	27.40	75.12	19.84	11.28	19.84	7.54	0.00	0.00	37.36	95.86
4195	0.36	0.27	1.26	0.40	0.09	0.01	0.43	2.82	0.45	0.28	1.64	0.52	0.18	0.03	0.58	3.68
4200	0.45	0.34	0.52	0.21	0.09	0.01	0.55	2.17	0.57	0.35	0.68	0.27	0.18	0.03	0.73	2.81
4205	0.53	0.40	1.81	0.58	0.15	0.02	0.64	4.13	0.66	0.41	2.35	0.75	0.32	0.05	0.85	5.39
4210	0.64	0.48	0.76	0.30	0.15	0.02	0.77	3.12	0.80	0.49	1.00	0.40	0.32	0.05	1.03	4.09
4215	0.66	0.49	2.36	0.75	0.10	0.01	0.79	5.16	0.82	0.50	3.07	0.98	0.21	0.03	1.06	6.67
4220	0.63	0.47	2.36	0.75	0.10	0.01	0.76	5.08	0.79	0.48	3.07	0.98	0.21	0.03	1.02	6.58
4225	0.76	0.57	1.12	0.45	0.10	0.01	0.92	3.93	0.95	0.58	1.47	0.59	0.21	0.03	1.23	5.06
4230	0.68	0.50	2.51	0.80	0.10	0.01	0.82	5.42	0.85	0.52	3.27	1.05	0.21	0.03	1.09	7.02
4235	0.81	0.60	2.67	0.85	0.10	0.01	0.98	6.02	1.02	0.61	3.48	1.11	0.21	0.03	1.31	7.77
4240	0.89	0.65	1.44	0.57	0.10	0.01	1.06	4.72	1.11	0.67	1.89	0.76	0.21	0.03	1.42	6.09
4245	1.06	0.79	1.68	0.67	0.19	0.03	1.28	5.70	1.33	0.81	2.20	0.88	0.41	0.06	1.71	7.40
4250	1.14	0.85	2.15	0.86	0.19	0.03	1.38	6.60	1.43	0.87	2.83	1.13	0.41	0.06	1.84	8.57
4255	1.96	1.51	3.11	1.24	0.65	0.10	2.38	10.95	2.45	1.54	4.09	1.64	1.38	0.21	3.19	14.50
4265	3.43	2.58	3.31	1.32	0.70	0.11	4.14	15.59	4.28	2.63	4.36	1.74	1.48	0.22	5.54	20.25
4270	4.24	3.17	4.11	1.64	0.74	0.11	5.10	19.11	5.30	3.23	5.41	2.16	1.56	0.23	6.83	24.72
4275	5.86	4.39	5.27	2.11	1.08	0.16	7.06	25.93	7.32	4.48	6.93	2.77	2.28	0.34	9.45	33.57
4280	6.86	5.25	7.38	2.95	2.05	0.31	8.33	33.13	8.57	5.36	9.71	3.88	4.32	0.65	11.15	43.64
4290	2.77	2.13	2.59	1.04	0.88	0.13	3.37	12.91	3.46	2.17	3.41	1.36	1.85	0.28	4.51	17.04
4295	3.65	2.77	3.19	1.28	0.88	0.13	4.42	16.32	4.56	2.82	4.20	1.68	1.85	0.28	5.92	21.31
4300	4.25	3.23	3.99	1.60	1.08	0.16	5.15	19.46	5.32	3.29	5.25	2.10	2.28	0.34	6.89	25.47
4305	5.85	4.51	5.19	2.07	1.95	0.29	7.11	26.97	7.31	4.60	6.82	2.73	4.11	0.62	9.53	35.72
4310	7.64	5.98	6.78	2.71	3.13	0.47	9.34	36.05	9.54	6.10	8.92	3.57	6.59	0.99	12.51	48.22
4315	9.96	8.30	10.37	3.11	6.22	0.93	12.75	51.64	11.95	8.43	13.65	4.09	13.10	1.97	16.26	69.45
4320	14.39	12.37	14.96	4.49	8.45	1.27	18.57	74.50	17.26	12.56	19.69	5.91	17.80	2.67	23.67	99.56
4325	28.47	25.20	27.53	8.26	20.67	3.10	37.05	150.28	34.16	25.59	36.22	10.87	43.51	6.53	47.24	204.12
4335	3.11	2.38	3.27	1.31	0.88	0.13	3.77	14.85	3.89	2.42	4.30	1.72	1.85	0.28	5.05	19.51
4340	3.60	2.73	4.27	1.71	0.88	0.13	4.36	17.68	4.50	2.78	5.62	2.25	1.85	0.28	5.83	23.11
4345	4.05	3.08	4.83	1.93	1.08	0.16	4.90	20.03	5.06	3.14	6.35	2.54	2.28	0.34	6.57	26.28
4350	5.54	4.33	5.67	2.27	2.24	0.34	6.77	27.16	6.92	4.42	7.45	2.98	4.72	0.71	9.07	36.27
4355	7.75	6.16	8.46	3.38	3.78	0.57	9.52	39.62	9.68	6.28	11.13	4.45	7.95	1.19	12.75	53.43
4360	8.71	7.37	10.89	3.27	6.22	0.93	11.20	48.59	10.46	7.48	14.33	4.30	13.10	1.97	14.28	65.92
4365	11.85	10.11	14.36	4.31	6.54	0.98	15.26	63.41	14.22	10.27	18.90	5.67	13.78	2.07	19.46	84.37
4370	24.35	21.27	25.22	7.57	16.15	2.42	31.58	128.56	29.22	21.60	33.18	9.95	34.00	5.10	40.26	173.31
4380	2.85	2.22	3.19	1.28	1.08	0.16	3.47	14.25	3.56	2.26	4.20	1.68	2.28	0.34	4.65	18.97
4385	3.80	2.91	4.07	1.63	1.08	0.16	4.61	18.26	4.75	2.96	5.35	2.14	2.28	0.34	6.18	24.00
4390	4.22	3.21	4.31	1.72	1.08	0.16	5.11	19.81	5.28	3.27	5.67	2.27	2.28	0.34	6.84	25.95
4395	5.50	4.31	6.02	2.41	2.24	0.34	6.73	27.55	6.88	4.39	7.93	3.17	4.72	0.71	9.01	36.81
4400	8.26	6.31	8.06	3.22	2.36	0.35	10.02	38.58	10.32	6.44	10.60	4.24	4.96	0.74	13.42	50.72
4405	10.83	9.34	13.37	4.01	6.54	0.98	13.99	59.06	12.99	9.48	17.59	5.28	13.78	2.07	17.83	79.02
4415	2.53	1.99	3.19	1.28	1.08	0.16	3.10	13.33	3.17	2.03	4.20	1.68	2.28	0.34	4.15	17.85
4420	3.09	2.42	3.99	1.60	1.32	0.20	3.78	16.40	3.86	2.47	5.25	2.10	2.77	0.42	5.06	21.93
4425	3.60	2.77	4.79	1.92	1.14	0.17	4.38	18.77	4.50	2.83	6.30	2.52	2.40	0.36	5.86	24.77

TABLE 3-5 HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4430	4.71	3.83	6.18	1.86	2.24	0.34	5.98	25.14	5.65	3.89	8.14	2.44	4.72	0.71	7.63	33.18
4435	6.19	5.12	7.54	2.26	3.60	0.54	7.91	33.16	7.43	5.20	9.92	2.98	7.58	1.14	10.08	44.33
4440	8.84	7.46	11.17	3.35	6.22	0.93	11.35	49.32	10.60	7.57	14.70	4.41	13.10	1.97	14.47	66.82
4445	13.39	10.88	16.56	4.97	6.22	0.93	17.02	69.97	16.07	11.05	21.79	6.54	13.10	1.97	21.70	92.22
4450	22.55	19.78	23.54	7.06	15.39	2.31	29.27	119.90	27.06	20.09	30.97	9.29	32.40	4.86	37.32	161.99
4460	5.32	4.13	6.38	2.55	1.95	0.29	6.48	27.10	6.65	4.21	8.40	3.36	4.11	0.62	8.68	36.03
4465	7.34	5.95	9.22	2.77	3.28	0.49	9.32	38.37	8.81	6.04	12.13	3.64	6.92	1.04	11.89	50.47
4470	9.40	7.88	12.25	3.67	6.22	0.93	12.05	52.40	11.28	8.00	16.12	4.84	13.10	1.97	15.36	70.67
4475	13.28	11.18	15.48	4.64	6.54	0.98	17.04	69.14	15.93	11.35	20.37	6.11	13.78	2.07	21.72	91.33
4480	19.19	16.18	17.32	5.19	9.56	1.43	24.64	93.51	23.03	16.43	22.78	6.84	20.13	3.02	31.41	123.64
4490	3.31	2.52	3.39	1.36	0.88	0.13	4.01	15.60	4.13	2.57	4.46	1.78	1.85	0.28	5.37	20.44
4495	3.81	2.91	9.19	2.94	1.08	0.16	4.63	24.72	4.77	2.97	11.97	3.83	2.28	0.34	6.19	32.35
4500	5.26	4.09	6.58	2.63	1.95	0.29	6.41	27.21	6.57	4.17	8.66	3.46	4.11	0.62	8.59	36.18
4505	6.57	5.21	7.26	2.90	3.13	0.47	8.07	33.61	8.22	5.32	9.55	3.82	6.59	0.99	10.81	45.30
4510	6.56	5.36	9.18	2.75	3.28	0.49	8.36	35.98	7.88	5.45	12.07	3.62	6.92	1.04	10.65	47.63
4515	8.92	7.52	11.49	3.45	6.22	0.93	11.45	49.98	10.70	7.64	15.12	4.54	13.10	1.97	14.60	67.67
4520	12.28	10.43	15.96	4.79	6.54	0.98	15.80	66.78	14.74	10.60	21.00	6.30	13.78	2.07	20.15	88.64
4530	2.29	1.69	2.19	0.61	0.26	0.04	3.14	10.22	2.86	1.73	2.89	0.81	0.52	0.08	4.17	13.06
4535	3.51	2.59	3.19	0.89	0.41	0.06	4.81	15.46	4.38	2.65	4.20	1.18	0.82	0.12	6.39	19.74
4545	2.30	1.73	2.47	0.69	0.45	0.07	3.17	10.88	2.87	1.76	3.25	0.91	0.92	0.14	4.21	14.06
4550	3.54	2.66	3.19	0.89	0.66	0.10	4.87	15.91	4.42	2.71	4.20	1.18	1.30	0.20	6.47	20.48
4560	2.98	2.08	1.68	0.64	0.00	0.00	5.15	12.53	3.73	2.12	2.21	0.84	0.00	0.00	7.02	15.92
4565	3.77	2.62	2.28	0.87	0.00	0.00	6.50	16.04	4.71	2.68	3.01	1.14	0.00	0.00	8.87	20.41
4575	3.51	2.44	2.80	1.06	0.00	0.00	6.05	15.86	4.38	2.49	3.69	1.40	0.00	0.00	8.25	20.21
4585	1.37	0.54	0.00	0.11	0.00	0.00	1.76	3.78								
4590	1.30	0.51	0.00	0.11	0.00	0.00	1.66	3.58								
4600	1.46	0.58	0.00	0.20	0.00	0.00	1.87	4.11								
4605	2.21	0.87	0.00	0.27	0.00	0.00	2.82	6.17								
4615	1.73	0.68	0.00	0.22	0.00	0.00	2.21	4.84								
4620	2.34	0.92	0.00	0.40	0.00	0.00	2.99	6.65								
4625	2.74	1.08	0.00	0.63	0.00	0.00	3.51	7.96								
4635	3.79	1.49	0.00	0.05	0.00	0.00	4.85	10.18								
4640	3.93	1.54	0.00	0.05	0.00	0.00	5.04	10.56								
4645	6.78	2.66	0.00	0.05	0.00	0.00	8.68	18.17								
4650	7.21	2.83	0.00	0.05	0.00	0.00	9.22	19.31								
4660	3.77	1.48	0.00	0.34	0.00	0.00	4.82	10.41								
4665	4.32	1.69	0.00	0.40	0.00	0.00	5.52	11.93								
4670	4.96	1.95	0.00	0.48	0.00	0.00	6.35	13.74								
4675	5.43	2.13	0.00	0.59	0.00	0.00	6.96	15.11								
4680	6.09	2.39	0.00	0.51	0.00	0.00	7.80	16.79								
4685	7.28	2.86	0.00	0.76	0.00	0.00	9.32	20.22								
4690	8.63	3.39	0.00	0.76	0.00	0.00	11.05	23.83								
4695	10.13	3.98	0.00	0.92	0.00	0.00	12.97	28.00								
4700	17.00	6.68	0.00	1.01	0.00	0.00	21.76	46.45								
4710	2.77	1.09	0.00	0.40	0.00	0.00	3.55	7.81								
4715	3.28	1.29	0.00	0.52	0.00	0.00	4.20	9.29								
4720	4.47	1.75	0.00	0.52	0.00	0.00	5.72	12.46								
4725	1.15	0.45	0.00	0.20	0.00	0.00	1.47	3.27								
4730	1.44	0.57	0.00	0.27	0.00	0.00	1.85	4.13								
4735	1.86	0.73	0.00	0.34	0.00	0.00	2.38	5.31								
4745	4.79	1.88	0.00	0.54	0.00	0.00	6.13	13.34								
4750	5.49	2.16	0.00	0.63	0.00	0.00	7.03	15.31								
4755	5.89	2.31	0.00	0.76	0.00	0.00	7.54	16.50								
4760	7.09	2.78	0.00	0.88	0.00	0.00	9.08	19.83								
4765	8.94	3.51	0.00	0.92	0.00	0.00	11.44	24.81								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							TOTAL RATE	SEVERE CONDITIONS							TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
4770	12.90	5.06	0.00	1.09	0.00	0.00	16.51	35.56								
4780	6.71	2.63	2.35	0.66	0.00	0.00	8.59	20.94								
4785	13.11	5.15	6.22	1.74	0.00	0.00	16.78	43.00								
4790	17.88	7.02	11.77	3.30	0.00	0.00	22.88	62.85								
4800	5.35	4.34	2.32	0.74	0.00	0.00	3.25	16.00	6.42	4.41	2.98	0.95	0.00	0.00	4.38	19.14
4805	8.97	7.28	4.41	1.41	0.00	0.00	5.45	27.52	10.76	7.39	5.67	1.81	0.00	0.00	7.35	32.98
4810	10.27	8.34	4.41	1.41	0.00	0.00	6.23	30.66	12.32	8.46	5.67	1.81	0.00	0.00	8.42	36.68
4815	13.11	10.65	6.61	2.12	0.00	0.00	7.96	40.45	15.73	10.80	8.50	2.72	0.00	0.00	10.75	48.50
4820	18.89	15.34	9.04	2.89	0.00	0.00	11.47	57.63	22.67	15.57	11.62	3.72	0.00	0.00	15.49	69.07
4830	2.16	1.09	0.00	0.17	0.00	0.00	2.76	6.18								
4835	3.37	1.70	0.00	0.23	0.00	0.00	4.32	9.62								
4845	0.42	0.26	1.08	0.35	0.00	0.00	0.47	2.58								
4850	0.53	0.32	1.62	0.52	0.00	0.00	0.60	3.59								
4860	0.03	0.02	0.22	0.07	0.00	0.00	0.03	0.37								
4865	0.03	0.02	0.32	0.10	0.00	0.00	0.04	0.51								
4870	0.06	0.04	0.87	0.28	0.00	0.00	0.07	1.32								
4880	0.55	0.34	4.66	1.49	0.00	0.00	0.63	7.67								
4885	0.32	0.19	1.67	0.63	0.00	0.00	0.36	3.17								
4890	0.73	0.45	8.55	2.74	0.00	0.00	0.83	13.30								
4895	1.05	0.65	3.34	1.27	0.00	0.00	1.19	7.50								
4900	1.35	0.83	3.90	1.48	0.00	0.00	1.54	9.10								
4905	1.43	0.88	3.78	1.44	0.00	0.00	1.63	9.16								
4915	0.06	0.03	0.54	0.17	0.00	0.00	0.06	0.86								
4920	0.08	0.05	0.87	0.28	0.00	0.00	0.09	1.37								
4925	0.15	0.10	1.73	0.55	0.00	0.00	0.18	2.71								
4935	0.07	0.04	0.32	0.10	0.00	0.00	0.08	0.61								
4940	0.08	0.05	0.32	0.10	0.00	0.00	0.09	0.64								
4950	0.08	0.05	0.13	0.06	0.00	0.00	0.05	0.37								
4955	0.10	0.06	0.25	0.11	0.00	0.00	0.06	0.58								
4965	3.24	1.63	0.00	0.06	0.00	0.00	3.64	8.57	4.32	1.69	0.00	0.06	0.00	0.00	5.46	11.53
4970	0.25	0.13	0.00	0.00	0.00	0.00	0.28	0.66	0.34	0.13	0.00	0.00	0.00	0.00	0.43	0.90
4975	1.88	0.94	0.00	0.06	0.00	0.00	2.11	4.99	2.51	0.98	0.00	0.06	0.00	0.00	3.17	6.72
4980	0.35	0.17	0.00	0.00	0.00	0.00	0.39	0.91	0.46	0.18	0.00	0.00	0.00	0.00	0.59	1.23
4985	1.57	0.79	0.00	0.06	0.00	0.00	1.76	4.18	2.09	0.82	0.00	0.06	0.00	0.00	2.63	5.60
4990	0.24	0.12	0.00	0.00	0.00	0.00	0.27	0.63	0.33	0.13	0.00	0.00	0.00	0.00	0.41	0.87
4995	0.71	0.36	0.00	0.06	0.00	0.00	0.80	1.93	0.95	0.37	0.00	0.06	0.00	0.00	1.20	2.58
5000	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
5005	1.62	0.81	0.00	0.06	0.00	0.00	1.82	4.31	2.16	0.84	0.00	0.06	0.00	0.00	2.72	5.78
5010	0.15	0.07	0.00	0.00	0.00	0.00	0.16	0.38	0.19	0.08	0.00	0.00	0.00	0.00	0.25	0.52
5015	1.18	0.59	0.00	0.06	0.00	0.00	1.33	3.16	1.58	0.62	0.00	0.06	0.00	0.00	1.99	4.25
5020	0.11	0.05	0.00	0.00	0.00	0.00	0.12	0.28	0.14	0.06	0.00	0.00	0.00	0.00	0.18	0.38
5025	0.67	0.33	0.00	0.06	0.00	0.00	0.75	1.81	0.89	0.35	0.00	0.06	0.00	0.00	1.12	2.42
5030	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
5035	1.83	0.92	0.00	0.06	0.00	0.00	2.05	4.86	2.43	0.95	0.00	0.06	0.00	0.00	3.07	6.51
5040	0.15	0.07	0.00	0.00	0.00	0.00	0.16	0.38	0.19	0.08	0.00	0.00	0.00	0.00	0.25	0.52
5045	1.78	0.89	0.00	0.06	0.00	0.00	1.99	4.72	2.37	0.93	0.00	0.06	0.00	0.00	2.99	6.35
5050	0.34	0.17	0.00	0.00	0.00	0.00	0.38	0.89	0.45	0.18	0.00	0.00	0.00	0.00	0.57	1.20
5055	1.62	0.81	0.00	0.06	0.00	0.00	1.82	4.31	2.16	0.84	0.00	0.06	0.00	0.00	2.72	5.78
5060	0.15	0.07	0.00	0.00	0.00	0.00	0.16	0.38	0.19	0.08	0.00	0.00	0.00	0.00	0.25	0.52
5065	0.55	0.34	0.00	0.06	0.00	0.00	0.62	1.57	0.69	0.35	0.00	0.06	0.00	0.00	0.88	1.98
5075	3.81	1.91	0.00	0.06	0.00	0.00	4.27	10.05	5.07	1.98	0.00	0.06	0.00	0.00	6.40	13.51
5080	0.28	0.14	0.00	0.00	0.00	0.00	0.31	0.73	0.37	0.15	0.00	0.00	0.00	0.00	0.47	0.99
5085	4.07	2.04	0.00	0.00	0.00	0.00	4.56	10.67	5.42	2.12	0.00	0.00	0.00	0.00	6.84	14.38
5090	2.99	1.50	0.00	0.06	0.00	0.00	3.35	7.90	3.99	1.56	0.00	0.06	0.00	0.00	5.03	10.64
5095	0.15	0.07	0.00	0.00	0.00	0.00	0.17	0.39	0.20	0.08	0.00	0.00	0.00	0.00	0.25	0.53

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	REPR	TOTAL RATE
5100	2.78	1.40	0.00	0.06	0.00	0.00	3.12	7.36	3.71	1.45	0.00	0.06	0.00	0.00	4.68	9.90
5105	2.11	1.06	0.00	0.06	0.00	0.00	2.37	5.60	2.82	1.10	0.00	0.06	0.00	0.00	3.55	7.53
5110	0.14	0.07	0.00	0.00	0.00	0.00	0.16	0.37	0.19	0.07	0.00	0.00	0.00	0.00	0.24	0.50
5115	2.05	1.03	0.00	0.06	0.00	0.00	2.30	5.44	2.73	1.07	0.00	0.06	0.00	0.00	3.45	7.31
5120	1.23	0.62	0.00	0.06	0.00	0.00	1.38	3.29	1.64	0.64	0.00	0.06	0.00	0.00	2.07	4.41
5125	0.07	0.04	0.00	0.00	0.00	0.00	0.08	0.19	0.10	0.04	0.00	0.00	0.00	0.00	0.12	0.26
5130	0.77	0.39	0.00	0.06	0.00	0.00	0.86	2.08	1.03	0.40	0.00	0.06	0.00	0.00	1.29	2.78
5135	0.04	0.02	0.00	0.00	0.00	0.00	0.04	0.10	0.05	0.02	0.00	0.00	0.00	0.00	0.06	0.13
5140	0.47	0.24	0.00	0.06	0.00	0.00	0.53	1.30	0.63	0.25	0.00	0.06	0.00	0.00	0.80	1.74
5145	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07
5150	0.21	0.11	0.00	0.06	0.00	0.00	0.24	0.62	0.28	0.11	0.00	0.06	0.00	0.00	0.35	0.80
5155	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.04
5165	4.32	2.17	0.00	0.05	0.00	0.00	4.85	11.39	5.76	2.25	0.00	0.05	0.00	0.00	7.27	15.33
5170	3.51	1.76	0.00	0.05	0.00	0.00	3.93	9.25	4.67	1.83	0.00	0.05	0.00	0.00	5.90	12.45
5175	2.28	1.14	0.00	0.05	0.00	0.00	2.55	6.02	3.03	1.19	0.00	0.05	0.00	0.00	3.83	8.10
5180	2.15	1.08	0.00	0.05	0.00	0.00	2.41	5.69	2.87	1.12	0.00	0.05	0.00	0.00	3.62	7.66
5190	1.75	1.13	8.40	2.02	0.21	0.03	2.30	15.84								
5195	2.17	1.39	3.03	0.73	0.21	0.03	2.85	10.41								
5200	2.08	1.35	8.40	2.02	0.26	0.04	2.74	16.89								
5205	2.30	1.48	3.03	0.73	0.26	0.04	3.02	10.86								
5210	2.11	1.37	8.40	2.02	0.30	0.05	2.78	17.03								
5215	2.39	1.55	3.03	0.73	0.30	0.05	3.15	11.20								
5220	5.06	3.30	4.67	1.12	0.73	0.11	6.68	21.67								
5235	2.66	2.46	0.00	0.05	1.79	0.27	3.88	11.11								
5240	3.33	2.87	0.00	0.05	1.79	0.27	4.74	13.05								
5250	2.79	2.90	0.00	0.08	2.59	0.39	4.23	12.98								
5255	2.94	2.63	0.00	0.08	1.79	0.27	4.25	11.96								
5265	0.84	0.52	0.00	0.11	0.00	0.00	1.09	2.56								
5270	1.02	0.63	0.00	0.11	0.00	0.00	1.33	3.09								
5275	1.64	1.02	0.00	0.11	0.00	0.00	2.14	4.91								
5280	2.52	1.56	0.00	0.11	0.00	0.00	3.28	7.47								
5285	4.14	2.56	0.00	0.11	0.00	0.00	5.39	12.20								
5290	2.26	1.40	0.00	0.11	0.00	0.00	2.94	6.71								
5295	2.94	1.82	0.00	0.11	0.00	0.00	3.83	8.70								
5300	4.87	3.02	0.00	0.11	0.00	0.00	6.35	14.35								
5310	7.97	4.94	6.78	1.63	0.00	0.00	10.39	31.71								
5315	14.13	8.75	12.37	2.97	0.00	0.00	18.41	56.63								
5320	14.87	9.21	12.37	2.97	0.00	0.00	19.38	58.80								
5330	15.95	9.87	13.17	3.16	0.00	0.00	20.78	62.93								
5340	2.70	1.67	8.40	2.02	0.00	0.00	3.51	18.30								
5345	2.98	1.84	3.03	0.73	0.00	0.00	3.88	12.46								
5350	3.28	2.03	8.40	2.02	0.00	0.00	4.27	20.00								
5355	3.56	2.20	3.43	0.82	0.00	0.00	4.63	14.64								
5360	3.48	2.16	8.40	2.02	0.00	0.00	4.54	20.60								
5365	3.76	2.33	3.43	0.82	0.00	0.00	4.90	15.24								
5370	1.65	1.02	4.16	1.00	0.00	0.00	2.16	9.99								
5375	2.23	1.38	8.40	2.02	0.00	0.00	2.91	16.94								
5380	2.51	1.55	3.03	0.73	0.00	0.00	3.27	11.09								
5385	2.70	1.67	8.40	2.02	0.00	0.00	3.52	18.31								
5390	2.98	1.85	3.03	0.73	0.00	0.00	3.88	12.47								
5395	2.93	1.82	8.40	2.02	0.00	0.00	3.82	18.99								
5400	3.22	1.99	3.03	0.73	0.00	0.00	4.19	13.16								
5410	5.08	2.89	4.29	1.03	0.00	0.00	10.37	23.66								
5415	5.54	3.15	4.29	1.03	0.00	0.00	11.32	25.33								
5420	3.39	1.93	2.73	0.65	0.00	0.00	6.93	15.63								

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
5430	2.25	1.28	2.00	0.48	0.00	0.00	4.60	10.61								
5435	2.68	1.53	2.17	0.52	0.00	0.00	5.48	12.38								
5445	5.74	3.27	4.17	1.00	0.00	0.00	11.74	25.92								
5455	5.84	3.41	6.68	1.60	0.35	0.05	12.02	29.95								
5460	6.73	3.91	6.68	1.60	0.35	0.05	13.83	33.15								
5465	6.64	3.86	8.24	1.98	0.35	0.05	13.66	34.78								
5475	4.74	2.78	6.96	1.67	0.35	0.05	9.78	26.33								
5480	5.03	2.94	6.96	1.67	0.35	0.05	10.36	27.36								
5485	5.78	3.37	6.96	1.67	0.35	0.05	11.90	30.08								
5490	5.30	3.10	6.96	1.67	0.35	0.05	10.91	28.34								
5500	9.37	5.49	11.69	2.80	0.65	0.10	19.31	49.41								
5505	5.95	3.47	6.40	1.54	0.35	0.05	12.25	30.01								
5515	7.18	4.17	4.90	1.18	0.35	0.05	14.75	32.58								
5520	6.07	3.63	6.62	1.59	0.74	0.11	12.59	31.35								
5530	7.06	4.79	6.14	2.09	3.83	0.57	8.79	33.27	8.83	4.91	8.03	2.73	5.45	0.82	11.64	42.41
5535	13.69	9.43	12.13	3.27	7.25	1.09	14.09	60.95	17.11	9.66	15.94	4.30	11.39	1.71	18.87	78.98
5540	15.64	10.51	13.51	3.24	7.50	1.12	17.14	68.66	19.56	10.76	17.67	4.24	10.65	1.60	22.85	87.33
5545	16.32	11.05	17.48	4.37	12.17	1.83	16.72	79.94	20.40	11.31	22.68	5.67	16.90	2.53	22.39	101.88
5550	17.45	11.75	17.48	4.37	12.17	1.83	17.85	82.90	21.81	12.03	22.68	5.67	16.90	2.53	23.90	105.52
5555	21.30	14.60	16.54	4.47	10.78	1.62	21.89	91.20	26.62	14.95	21.73	5.87	16.93	2.54	29.31	117.95
5560	24.64	16.66	18.43	4.42	12.82	1.92	27.03	105.92	30.80	17.06	24.10	5.78	18.22	2.73	36.04	134.73
5565	26.76	17.98	27.39	6.85	18.10	2.71	27.36	127.15	33.46	18.40	35.53	8.88	25.14	3.77	36.64	161.82
5570	28.04	18.76	27.39	6.85	18.10	2.71	28.64	130.49	35.05	19.21	35.53	8.88	25.14	3.77	38.36	165.94
5575	26.34	18.05	20.21	5.46	13.23	1.98	27.07	112.34	32.93	18.48	26.56	7.17	20.78	3.12	36.25	145.29
5580	27.56	18.80	20.21	5.46	13.23	1.98	28.29	115.53	34.46	19.25	26.56	7.17	20.78	3.12	37.89	149.23
5585	34.40	23.21	36.91	9.23	24.55	3.68	35.21	167.19	43.00	23.76	47.88	11.97	34.10	5.12	47.16	212.99
5595	6.46	4.36	6.55	2.23	3.28	0.49	8.04	31.41	8.08	4.47	8.57	2.91	4.67	0.70	10.64	40.04
5600	7.45	5.01	7.13	2.42	3.64	0.55	9.25	35.45	9.31	5.13	9.32	3.17	5.17	0.78	12.25	45.13
5605	9.64	6.58	9.50	2.28	5.56	0.83	10.60	44.99	12.05	6.74	12.42	2.98	7.90	1.19	14.14	57.42
5610	13.43	8.95	11.47	2.75	8.23	1.23	14.69	60.75	16.79	9.16	14.99	3.60	11.43	1.71	19.58	77.26
5615	16.35	11.01	13.27	3.18	8.07	1.21	17.92	71.01	20.43	11.27	17.35	4.16	11.47	1.72	23.89	90.29
5625	10.78	7.28	9.38	2.25	5.56	0.83	11.82	47.90	13.47	7.46	12.26	2.94	7.90	1.19	15.76	60.98
5630	15.18	10.28	11.94	3.22	6.73	1.01	15.55	63.91	18.97	10.52	15.70	4.24	10.57	1.59	20.82	82.41
5635	18.46	12.24	13.31	3.19	7.50	1.12	20.16	75.98	23.08	12.53	17.40	4.18	10.65	1.60	26.87	96.31
5640	18.04	12.11	19.27	4.82	12.17	1.83	18.44	86.68	22.55	12.40	25.00	6.25	16.90	2.53	24.69	110.32
5645	21.74	14.33	20.31	4.87	11.39	1.71	23.70	98.05	27.18	14.67	26.56	6.37	15.83	2.37	31.61	124.59
5655	6.91	4.66	6.88	2.34	3.46	0.52	8.59	33.36	8.64	4.77	9.00	3.06	4.92	0.74	11.37	42.50
5660	13.48	9.30	11.98	3.23	7.25	1.09	13.88	60.21	16.85	9.52	15.75	4.25	11.39	1.71	18.59	78.06
5665	16.11	10.92	19.85	4.96	12.17	1.83	16.51	82.35	20.13	11.18	25.75	6.44	16.90	2.53	22.11	105.04
5670	15.26	10.40	13.35	3.20	8.62	1.29	16.77	68.89	19.07	10.64	17.46	4.19	12.25	1.84	22.37	87.82
5675	18.17	12.27	18.78	5.07	10.57	1.59	18.60	85.05	22.71	12.56	24.68	6.66	17.24	2.59	24.91	111.35
5685	7.63	5.10	7.17	2.44	3.46	0.52	9.46	35.78	9.53	5.22	9.37	3.19	4.92	0.74	12.52	45.49
5690	10.10	6.87	10.24	2.46	5.56	0.83	11.10	47.16	12.63	7.03	13.39	3.21	7.90	1.19	14.80	60.15
5700	14.89	10.17	12.69	3.05	8.62	1.29	16.38	67.09	18.61	10.41	16.60	3.98	12.25	1.84	21.84	85.53
5705	22.66	15.74	17.46	4.71	12.90	1.94	23.37	98.78	28.33	16.11	22.94	6.19	20.27	3.04	31.29	128.17
5710	14.80	9.99	11.19	2.80	10.61	1.59	15.15	66.13	18.50	10.23	14.52	3.63	14.74	2.21	20.29	84.12
5715	19.58	13.14	20.20	5.05	13.10	1.97	20.01	93.05	24.47	13.45	26.21	6.55	18.20	2.73	26.80	118.41
5720	26.28	17.64	24.05	6.01	17.59	2.64	26.86	121.07	32.85	18.05	31.20	7.80	24.43	3.66	35.98	153.97
5725	29.68	20.06	27.86	6.96	21.67	3.25	30.39	139.87	37.10	20.54	36.14	9.03	30.09	4.51	40.70	178.11
5735	6.84	4.68	6.59	2.24	4.03	0.60	8.53	33.51	8.54	4.79	8.62	2.93	5.72	0.86	11.28	42.74
5740	14.66	10.03	13.60	3.26	8.62	1.29	16.13	67.59	18.32	10.26	17.78	4.27	12.25	1.84	21.50	86.22
5745	12.43	8.66	12.20	3.29	7.25	1.09	12.83	57.75	15.54	8.86	16.04	4.33	11.39	1.71	17.18	75.05
5750	26.05	17.54	26.49	6.36	18.10	2.71	28.55	125.80	32.56	17.95	34.65	8.32	25.14	3.77	38.07	160.46
5755	24.81	16.77	26.82	6.44	18.10	2.71	27.22	122.87	31.01	17.17	35.08	8.42	25.14	3.77	36.29	156.88
5760	21.32	14.58	19.12	4.59	12.46	1.87	23.46	97.40	26.65	14.92	25.01	6.00	17.71	2.66	31.28	124.23

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
5765	20.50	14.07	17.16	4.63	10.48	1.57	21.07	89.48	25.62	14.41	22.56	6.09	16.46	2.47	28.22	115.83
5770	33.80	23.11	39.56	9.49	27.90	4.18	37.19	175.23	42.25	23.66	51.73	12.42	38.75	5.81	49.59	224.21
5780	2.87	2.47	0.00	0.11	1.91	0.29	2.99	10.64	3.44	2.51	0.00	0.11	2.76	0.41	3.85	13.08
5785	3.89	3.49	0.00	0.11	3.28	0.49	4.11	15.37	4.67	3.55	0.00	0.11	4.74	0.71	5.29	19.07
5795	1.70	1.46	0.00	0.06	1.10	0.16	1.77	6.25	2.04	1.49	0.00	0.06	1.59	0.24	2.28	7.70
5805	2.13	1.65	2.80	0.90	0.00	0.00	3.17	10.65	2.66	1.68	3.69	1.18	0.00	0.00	4.40	13.61
5810	0.50	0.30	0.00	0.06	0.00	0.00	0.56	1.42	0.62	0.31	0.00	0.06	0.00	0.00	0.78	1.77
5815	2.92	2.26	3.23	1.03	0.00	0.00	4.35	13.79	3.65	2.30	4.25	1.36	0.00	0.00	6.05	17.61
5820	0.64	0.39	0.00	0.06	0.00	0.00	0.72	1.81	0.80	0.40	0.00	0.06	0.00	0.00	1.01	2.27
5825	0.50	0.31	0.00	0.06	0.00	0.00	0.56	1.43	0.62	0.31	0.00	0.06	0.00	0.00	0.79	1.78
5830	4.48	3.47	4.52	1.45	0.00	0.00	6.67	20.59	5.60	3.53	5.95	1.91	0.00	0.00	9.26	26.25
5835	0.80	0.49	0.00	0.06	0.00	0.00	0.89	2.24	0.99	0.50	0.00	0.06	0.00	0.00	1.26	2.81
5840	0.61	0.38	0.00	0.06	0.00	0.00	0.69	1.74	0.77	0.39	0.00	0.06	0.00	0.00	0.97	2.19
5845	5.99	4.63	6.03	1.93	0.00	0.00	8.92	27.50	7.48	4.72	7.94	2.54	0.00	0.00	12.38	35.06
5850	0.80	0.49	0.00	0.06	0.00	0.00	0.90	2.25	1.01	0.50	0.00	0.06	0.00	0.00	1.27	2.84
5855	0.91	0.56	0.00	0.06	0.00	0.00	1.02	2.55	1.14	0.57	0.00	0.06	0.00	0.00	1.44	3.21
5860	8.40	6.50	8.61	2.76	0.00	0.00	12.52	38.79	10.51	6.63	11.34	3.63	0.00	0.00	17.38	49.49
5865	1.29	0.79	0.00	0.06	0.00	0.00	1.45	3.59	1.62	0.81	0.00	0.06	0.00	0.00	2.04	4.53
5870	1.42	0.87	0.00	0.06	0.00	0.00	1.59	3.94	1.77	0.89	0.00	0.06	0.00	0.00	2.24	4.96
5875	1.13	0.69	0.00	0.06	0.00	0.00	1.27	3.15	1.41	0.71	0.00	0.06	0.00	0.00	1.78	3.96
5880	10.32	8.38	12.91	3.23	0.00	0.00	15.67	50.51	12.39	8.50	17.01	4.25	0.00	0.00	20.69	62.84
5885	1.89	1.16	0.00	0.06	0.00	0.00	2.12	5.23	2.36	1.18	0.00	0.06	0.00	0.00	2.98	6.58
5890	2.08	1.28	0.00	0.06	0.00	0.00	2.34	5.76	2.60	1.31	0.00	0.06	0.00	0.00	3.29	7.26
5895	1.60	0.98	0.00	0.06	0.00	0.00	1.80	4.44	2.00	1.00	0.00	0.06	0.00	0.00	2.53	5.59
5900	0.05	0.03	0.00	0.00	0.00	0.00	0.05	0.13	0.06	0.03	0.00	0.00	0.00	0.00	0.08	0.17
5905	14.96	12.15	17.65	4.41	0.00	0.00	22.71	71.88	17.95	12.32	23.25	5.81	0.00	0.00	29.98	89.31
5910	2.43	1.49	0.00	0.06	0.00	0.00	2.73	6.71	3.04	1.53	0.00	0.06	0.00	0.00	3.84	8.47
5915	2.07	1.27	0.00	0.06	0.00	0.00	2.33	5.73	2.59	1.30	0.00	0.06	0.00	0.00	3.27	7.22
5920	2.66	1.63	0.00	0.06	0.00	0.00	2.99	7.34	3.33	1.67	0.00	0.06	0.00	0.00	4.20	9.26
5925	2.01	1.23	0.00	0.06	0.00	0.00	2.25	5.55	2.51	1.26	0.00	0.06	0.00	0.00	3.17	7.00
5930	0.47	0.29	0.00	0.11	0.00	0.00	0.53	1.40	0.59	0.30	0.00	0.11	0.00	0.00	0.75	1.75
5935	0.06	0.03	0.00	0.01	0.00	0.00	0.06	0.16	0.07	0.03	0.00	0.01	0.00	0.00	0.09	0.20
5940	25.78	21.50	30.13	6.63	0.00	0.00	41.58	125.62	30.07	21.75	39.69	8.73	0.00	0.00	52.72	152.96
5945	3.95	2.42	0.00	0.06	0.00	0.00	4.43	10.86	4.94	2.48	0.00	0.06	0.00	0.00	6.23	13.71
5950	4.34	2.66	0.00	0.06	0.00	0.00	4.87	11.93	5.43	2.72	0.00	0.06	0.00	0.00	6.85	15.06
5955	0.06	0.04	0.00	0.06	0.00	0.00	0.06	0.22	0.07	0.04	0.00	0.06	0.00	0.00	0.09	0.26
5960	1.24	0.76	0.00	0.06	0.00	0.00	1.39	3.45	1.55	0.78	0.00	0.06	0.00	0.00	1.95	4.34
5970	3.15	2.44	3.79	1.21	0.00	0.00	4.69	15.28	3.94	2.48	4.99	1.60	0.00	0.00	6.51	19.52
5975	0.56	0.34	0.00	0.06	0.00	0.00	0.63	1.59	0.70	0.35	0.00	0.06	0.00	0.00	0.88	1.99
5980	0.54	0.33	0.00	0.05	0.00	0.00	0.61	1.53	0.68	0.34	0.00	0.05	0.00	0.00	0.86	1.93
5985	4.22	3.27	5.25	1.68	0.00	0.00	6.29	20.71	5.28	3.33	6.92	2.21	0.00	0.00	8.74	26.48
5990	0.62	0.38	0.00	0.06	0.00	0.00	0.70	1.76	0.78	0.39	0.00	0.06	0.00	0.00	0.98	2.21
5995	0.74	0.46	0.00	0.05	0.00	0.00	0.83	2.08	0.93	0.47	0.00	0.05	0.00	0.00	1.17	2.62
6000	5.90	4.57	6.46	2.07	0.00	0.00	8.78	27.78	7.37	4.65	8.50	2.72	0.00	0.00	12.20	35.44
6005	0.95	0.58	0.00	0.06	0.00	0.00	1.07	2.66	1.19	0.60	0.00	0.06	0.00	0.00	1.50	3.35
6010	0.93	0.57	0.00	0.05	0.00	0.00	1.04	2.59	1.16	0.58	0.00	0.05	0.00	0.00	1.46	3.25
6015	7.50	5.80	9.60	3.07	0.00	0.00	11.17	37.14	9.38	5.91	12.64	4.05	0.00	0.00	15.51	47.49
6020	1.01	0.62	0.00	0.06	0.00	0.00	1.14	2.83	1.27	0.64	0.00	0.06	0.00	0.00	1.60	3.57
6025	1.06	0.65	0.00	0.06	0.00	0.00	1.19	2.96	1.33	0.67	0.00	0.06	0.00	0.00	1.68	3.74
6030	1.41	0.87	0.00	0.05	0.00	0.00	1.59	3.92	1.77	0.89	0.00	0.05	0.00	0.00	2.23	4.94
6035	10.17	8.26	12.91	3.23	0.00	0.00	15.44	50.01	12.21	8.38	17.01	4.25	0.00	0.00	20.39	62.24
6040	1.97	1.20	0.00	0.05	0.00	0.00	2.21	5.43	2.46	1.23	0.00	0.05	0.00	0.00	3.10	6.84
6045	1.99	1.22	0.00	0.05	0.00	0.00	2.24	5.50	2.49	1.25	0.00	0.05	0.00	0.00	3.15	6.94
6050	14.00	11.37	18.30	4.57	0.00	0.00	21.25	69.49	16.80	11.53	24.10	6.02	0.00	0.00	28.06	86.51
6055	2.96	1.81	0.00	0.05	0.00	0.00	3.32	8.14	3.70	1.86	0.00	0.05	0.00	0.00	4.67	10.28

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
6060	3.03	1.86	0.00	0.05	0.00	0.00	3.40	8.34	3.79	1.90	0.00	0.05	0.00	0.00	4.79	10.53
6065	1.95	1.19	0.00	0.06	0.00	0.00	2.18	5.38	2.43	1.22	0.00	0.06	0.00	0.00	3.07	6.78
6070	18.81	15.69	22.56	4.96	0.00	0.00	30.34	92.36	21.95	15.88	29.71	6.54	0.00	0.00	38.48	112.56
6075	3.42	2.09	0.00	0.05	0.00	0.00	3.84	9.40	4.28	2.15	0.00	0.05	0.00	0.00	5.40	11.88
6080	3.92	2.40	0.00	0.05	0.00	0.00	4.40	10.77	4.90	2.46	0.00	0.05	0.00	0.00	6.18	13.59
6085	2.23	1.37	0.00	0.06	0.00	0.00	2.50	6.16	2.79	1.40	0.00	0.06	0.00	0.00	3.52	7.77
6095	2.72	2.10	2.80	0.90	0.00	0.00	4.04	12.56	3.39	2.14	3.69	1.18	0.00	0.00	5.62	16.02
6100	3.37	2.61	3.36	1.07	0.00	0.00	5.02	15.43	4.22	2.66	4.42	1.42	0.00	0.00	6.98	19.70
6105	4.68	3.62	4.74	1.52	0.00	0.00	6.97	21.53	5.85	3.69	6.24	2.00	0.00	0.00	9.69	27.47
6110	5.60	4.34	6.03	1.93	0.00	0.00	8.34	26.24	7.00	4.42	7.94	2.54	0.00	0.00	11.59	33.49
6115	0.76	0.46	0.00	0.05	0.00	0.00	0.85	2.12	0.95	0.48	0.00	0.05	0.00	0.00	1.20	2.68
6120	0.86	0.52	0.00	0.05	0.00	0.00	0.96	2.39	1.07	0.54	0.00	0.05	0.00	0.00	1.35	3.01
6125	8.39	6.50	9.04	2.89	0.00	0.00	12.50	39.32	10.49	6.62	11.91	3.81	0.00	0.00	17.36	50.19
6130	1.34	0.82	0.00	0.05	0.00	0.00	1.51	3.72	1.68	0.84	0.00	0.05	0.00	0.00	2.12	4.69
6135	0.91	0.56	0.00	0.05	0.00	0.00	1.02	2.54	1.13	0.57	0.00	0.05	0.00	0.00	1.43	3.18
6140	10.02	8.14	13.35	3.34	0.00	0.00	15.22	50.07	12.03	8.26	17.58	4.39	0.00	0.00	20.09	62.35
6145	1.65	1.01	0.00	0.05	0.00	0.00	1.85	4.56	2.07	1.04	0.00	0.05	0.00	0.00	2.61	5.77
6150	1.36	0.84	0.00	0.05	0.00	0.00	1.53	3.78	1.71	0.86	0.00	0.05	0.00	0.00	2.15	4.77
6155	0.64	0.39	0.00	0.06	0.00	0.00	0.72	1.81	0.80	0.40	0.00	0.06	0.00	0.00	1.01	2.27
6160	0.34	0.21	0.00	0.11	0.00	0.00	0.38	1.04	0.43	0.21	0.00	0.11	0.00	0.00	0.54	1.29
6165	0.05	0.03	0.00	0.06	0.00	0.00	0.06	0.20	0.07	0.03	0.00	0.06	0.00	0.00	0.08	0.24
6175	1.84	1.42	1.81	0.58	0.00	0.00	2.74	8.39	2.30	1.45	2.38	0.76	0.00	0.00	3.80	10.69
6180	2.56	1.98	2.80	0.90	0.00	0.00	3.81	12.05	3.20	2.02	3.69	1.18	0.00	0.00	5.30	15.39
6185	3.06	2.37	3.10	0.99	0.00	0.00	4.56	14.08	3.82	2.41	4.08	1.31	0.00	0.00	6.33	17.95
6195	2.09	1.61	2.71	0.87	0.00	0.00	3.11	10.39	2.61	1.65	3.57	1.14	0.00	0.00	4.31	13.28
6200	0.40	0.24	0.00	0.05	0.00	0.00	0.45	1.14	0.50	0.25	0.00	0.05	0.00	0.00	0.63	1.43
6205	3.13	2.42	3.87	1.24	0.00	0.00	4.67	15.33	3.92	2.47	5.10	1.63	0.00	0.00	6.48	19.60
6210	0.29	0.17	0.00	0.05	0.00	0.00	0.32	0.83	0.36	0.18	0.00	0.05	0.00	0.00	0.45	1.04
6215	4.59	3.55	5.08	1.63	0.00	0.00	6.84	21.69	5.74	3.62	6.69	2.14	0.00	0.00	9.49	27.68
6220	0.47	0.29	0.00	0.05	0.00	0.00	0.53	1.34	0.59	0.30	0.00	0.05	0.00	0.00	0.75	1.69
6225	6.49	5.03	6.67	2.14	0.00	0.00	9.67	30.00	8.12	5.12	8.79	2.81	0.00	0.00	13.43	38.27
6230	0.62	0.38	0.00	0.05	0.00	0.00	0.70	1.75	0.78	0.39	0.00	0.05	0.00	0.00	0.98	2.20
6235	8.16	6.32	9.47	3.03	0.00	0.00	12.15	39.13	10.20	6.44	12.47	3.99	0.00	0.00	16.88	49.98
6240	0.97	0.59	0.00	0.05	0.00	0.00	1.09	2.70	1.21	0.61	0.00	0.05	0.00	0.00	1.53	3.40
6245	1.04	0.63	0.00	0.05	0.00	0.00	1.16	2.88	1.29	0.65	0.00	0.05	0.00	0.00	1.63	3.62
6250	11.73	9.08	13.78	4.41	0.00	0.00	17.46	56.46	14.66	9.25	18.14	5.81	0.00	0.00	24.26	72.12
6255	1.33	0.82	0.00	0.05	0.00	0.00	1.49	3.69	1.66	0.84	0.00	0.05	0.00	0.00	2.10	4.65
6260	1.41	0.86	0.00	0.05	0.00	0.00	1.58	3.90	1.76	0.88	0.00	0.05	0.00	0.00	2.22	4.91
6265	14.35	11.65	17.65	4.41	0.00	0.00	21.79	69.85	17.22	11.82	23.25	5.81	0.00	0.00	28.76	86.86
6270	1.81	1.11	0.00	0.05	0.00	0.00	2.03	5.00	2.26	1.14	0.00	0.05	0.00	0.00	2.86	6.31
6275	1.65	1.01	0.00	0.05	0.00	0.00	1.85	4.56	2.06	1.03	0.00	0.05	0.00	0.00	2.60	5.74
6280	23.57	19.66	26.69	5.87	0.00	0.00	38.01	113.80	27.50	19.89	35.15	7.73	0.00	0.00	48.20	138.47
6285	4.36	2.67	0.00	0.05	0.00	0.00	4.89	11.97	5.45	2.73	0.00	0.05	0.00	0.00	6.88	15.11
6290	4.10	2.51	0.00	0.05	0.00	0.00	4.60	11.26	5.12	2.57	0.00	0.05	0.00	0.00	6.46	14.20
6295	3.83	2.35	0.00	0.05	0.00	0.00	4.30	10.53	4.79	2.40	0.00	0.05	0.00	0.00	6.05	13.29
6305	8.74	6.76	8.83	2.82	0.00	0.00	13.01	40.16	10.92	6.89	11.62	3.72	0.00	0.00	18.08	51.23
6310	0.96	0.59	0.00	0.05	0.00	0.00	1.08	2.68	1.20	0.60	0.00	0.05	0.00	0.00	1.52	3.37
6315	1.08	0.66	0.00	0.05	0.00	0.00	1.21	3.00	1.35	0.68	0.00	0.05	0.00	0.00	1.70	3.78
6320	1.10	0.68	0.00	0.05	0.00	0.00	1.24	3.07	1.38	0.69	0.00	0.05	0.00	0.00	1.74	3.86
6325	9.17	7.45	11.19	2.80	0.00	0.00	13.92	44.53	11.00	7.55	14.74	3.69	0.00	0.00	18.37	55.35
6330	1.36	0.83	0.00	0.05	0.00	0.00	1.53	3.77	1.70	0.85	0.00	0.05	0.00	0.00	2.15	4.75
6335	1.79	1.09	0.00	0.05	0.00	0.00	2.00	4.93	2.23	1.12	0.00	0.05	0.00	0.00	2.82	6.22
6340	1.55	0.95	0.00	0.05	0.00	0.00	1.73	4.28	1.93	0.97	0.00	0.05	0.00	0.00	2.44	5.39
6345	0.45	0.27	0.00	0.10	0.00	0.00	0.50	1.32	0.56	0.28	0.00	0.10	0.00	0.00	0.71	1.65
6350	13.05	10.60	15.93	3.98	0.00	0.00	19.81	63.37	15.66	10.75	20.98	5.24	0.00	0.00	26.15	78.78

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							TOTAL RATE	SEVERE CONDITIONS							TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
6355	1.78	1.09	0.00	0.00	0.00	0.00	2.00	4.87	2.22	1.12	0.00	0.00	0.00	0.00	2.81	6.15
6360	1.95	1.19	0.00	0.00	0.00	0.00	2.19	5.33	2.44	1.22	0.00	0.00	0.00	0.00	3.08	6.74
6365	1.92	1.17	0.00	0.00	0.00	0.00	2.15	5.24	2.39	1.20	0.00	0.00	0.00	0.00	3.02	6.61
6370	0.07	0.04	0.00	0.00	0.00	0.00	0.08	0.19	0.09	0.05	0.00	0.00	0.00	0.00	0.11	0.25
6375	0.41	0.25	0.00	0.00	0.00	0.00	0.46	1.12	0.52	0.26	0.00	0.00	0.00	0.00	0.65	1.43
6385	7.70	5.23	6.78	1.90	2.85	0.43	7.02	31.91	9.63	5.35	8.92	2.50	7.37	1.11	9.51	44.39
6390	12.91	9.01	11.97	3.35	6.42	0.96	11.86	56.48	16.14	9.22	15.75	4.41	16.62	2.49	16.05	80.68
6400	14.12	9.88	10.93	3.06	7.24	1.09	12.98	59.30	17.65	10.11	14.38	4.03	18.75	2.81	17.57	85.30
6405	22.91	16.10	18.87	5.28	8.69	1.30	21.08	94.23	28.64	16.47	24.83	6.95	22.50	3.37	28.55	131.31
6415	0.90	0.60	1.72	0.48	0.20	0.03	0.82	4.75	1.13	0.61	2.26	0.63	0.47	0.07	1.11	6.28
6420	1.02	0.67	1.99	0.56	0.19	0.03	0.92	5.38	1.28	0.68	2.62	0.73	0.45	0.07	1.25	7.08
6425	1.38	0.90	2.47	0.69	0.23	0.03	1.24	6.94	1.72	0.92	3.25	0.91	0.51	0.08	1.68	9.07
6435	0.18	0.12	0.71	0.23	0.06	0.01	0.25	1.56	0.23	0.13	0.92	0.29	0.10	0.01	0.35	2.03
6440	0.85	0.55	1.34	0.43	0.09	0.01	1.17	4.44	1.06	0.56	1.74	0.56	0.19	0.03	1.62	5.76
6445	0.98	0.63	2.20	0.70	0.07	0.01	1.34	5.93	1.22	0.64	2.87	0.92	0.15	0.02	1.87	7.69
6450	2.12	1.38	2.55	0.72	0.30	0.04	2.93	10.04	2.65	1.41	3.36	0.94	0.63	0.09	4.07	13.15
6455	4.50	2.98	4.19	1.17	1.11	0.17	6.24	20.36	5.62	3.05	5.51	1.54	2.33	0.35	8.67	27.07
6465	7.46	4.71	3.99	1.12	0.00	0.00	10.23	27.51	9.33	4.81	5.25	1.47	0.00	0.00	14.21	35.07
6470	10.77	6.79	6.98	1.96	0.00	0.00	14.76	41.26	13.47	6.95	9.19	2.57	0.00	0.00	20.51	52.69
6480	8.72	5.50	3.35	0.94	0.00	0.00	11.96	30.47	10.91	5.63	4.41	1.23	0.00	0.00	16.61	38.79
6485	15.16	9.56	6.98	1.96	0.00	0.00	20.78	54.44	18.95	9.78	9.19	2.57	0.00	0.00	28.86	69.35
6500	0.54	0.30	3.74	1.20	0.09	0.01	0.61	6.49	0.72	0.31	4.86	1.55	0.16	0.02	0.93	8.55
6505	0.68	0.37	3.74	1.20	0.10	0.01	0.76	6.86	0.90	0.38	4.86	1.55	0.19	0.03	1.16	9.07
6510	0.56	0.32	3.74	1.20	0.15	0.02	0.64	6.63	0.74	0.33	4.86	1.55	0.26	0.04	0.97	8.75
6515	0.68	0.38	3.74	1.20	0.17	0.03	0.78	6.98	0.91	0.40	4.86	1.55	0.34	0.05	1.18	9.29
6520	0.62	0.36	3.74	1.20	0.24	0.04	0.71	6.91	0.83	0.37	4.86	1.55	0.44	0.07	1.09	9.21
6525	1.13	0.65	7.51	2.40	0.40	0.06	1.30	13.45	1.51	0.68	9.71	3.11	0.73	0.11	1.98	17.83
6530	1.61	0.90	4.51	1.26	0.40	0.06	1.83	10.57	2.14	0.94	5.83	1.63	0.73	0.11	2.79	14.17
6535	1.35	0.77	8.64	2.76	0.40	0.06	1.54	15.52	1.80	0.80	11.16	3.57	0.73	0.11	2.35	20.52
6540	1.83	1.02	4.51	1.26	0.40	0.06	2.08	11.16	2.44	1.06	5.83	1.63	0.73	0.11	3.17	14.97
6545	1.49	0.85	8.64	2.76	0.48	0.07	1.70	15.99	1.98	0.88	11.16	3.57	0.89	0.13	2.59	21.20
6550	1.84	1.09	4.51	1.26	0.82	0.12	2.13	11.77	2.46	1.13	5.83	1.63	1.57	0.23	3.24	16.09
6555	2.25	1.30	16.19	5.18	0.82	0.12	2.58	28.44	3.00	1.35	20.96	6.71	1.57	0.23	3.93	37.75
6560	3.13	1.79	7.10	1.99	0.99	0.15	3.58	18.73	4.18	1.85	9.34	2.61	1.87	0.28	5.46	25.59
6565	3.28	1.87	7.10	1.99	1.01	0.15	3.75	19.15	4.38	1.94	9.34	2.61	1.91	0.29	5.72	26.19
6570	3.09	1.77	7.10	1.99	1.01	0.15	3.53	18.64	4.12	1.83	9.34	2.61	1.91	0.29	5.39	25.49
6575	3.65	2.06	7.10	1.99	1.01	0.15	4.16	20.12	4.87	2.14	9.34	2.61	1.91	0.29	6.34	27.50
6580	4.80	2.71	9.70	2.72	1.34	0.20	5.47	26.94	6.40	2.81	12.75	3.57	2.54	0.38	8.34	36.79
6585	5.09	2.88	9.70	2.72	1.45	0.22	5.80	27.86	6.78	2.99	12.75	3.57	2.70	0.40	8.84	38.03
6590	4.80	2.73	9.70	2.72	1.45	0.22	5.49	27.11	6.40	2.83	12.75	3.57	2.70	0.40	8.36	37.01
6595	4.80	2.69	11.61	3.25	1.20	0.18	5.46	29.19	6.39	2.79	15.26	4.27	2.29	0.34	8.31	39.65
6605	0.59	0.33	3.21	1.03	0.11	0.02	0.67	5.96	0.78	0.34	4.18	1.34	0.20	0.03	1.01	7.88
6610	0.69	0.38	4.16	1.33	0.11	0.02	0.78	7.47	0.92	0.39	5.41	1.73	0.20	0.03	1.19	9.87
6615	0.79	0.43	4.16	1.33	0.11	0.02	0.89	7.73	1.05	0.45	5.41	1.73	0.22	0.03	1.36	10.25
6620	0.65	0.36	4.16	1.33	0.12	0.02	0.74	7.38	0.87	0.37	5.41	1.73	0.21	0.03	1.12	9.74
6625	0.75	0.41	4.16	1.33	0.13	0.02	0.85	7.65	1.00	0.43	5.41	1.73	0.26	0.04	1.29	10.16
6630	0.60	0.34	3.93	1.26	0.17	0.03	0.68	7.01	0.79	0.35	5.11	1.63	0.29	0.04	1.04	9.25
6635	0.88	0.50	8.05	2.58	0.29	0.04	1.01	13.35	1.17	0.52	10.41	3.33	0.52	0.08	1.53	17.56
6640	1.03	0.60	8.05	2.58	0.40	0.06	1.18	13.90	1.37	0.62	10.41	3.33	0.73	0.11	1.81	18.38
6645	1.47	0.83	4.26	1.19	0.40	0.06	1.68	9.89	1.96	0.86	5.50	1.54	0.73	0.11	2.56	13.26
6650	1.11	0.66	9.17	2.94	0.48	0.07	1.29	15.72	1.49	0.68	11.86	3.79	0.89	0.13	1.96	20.80
6655	1.66	0.96	4.26	1.19	0.63	0.09	1.91	10.70	2.22	1.00	5.50	1.54	1.15	0.17	2.91	14.49
6660	2.03	1.22	15.24	4.88	1.07	0.16	2.36	26.96	2.71	1.27	19.74	6.32	2.03	0.31	3.59	35.97
6665	2.44	1.43	7.84	2.19	1.07	0.16	2.81	17.94	3.25	1.49	10.30	2.88	2.03	0.31	4.29	24.55
6670	2.80	1.58	7.88	2.21	0.78	0.12	3.19	18.56	3.73	1.64	10.35	2.90	1.43	0.21	4.86	25.12

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
6675	3.03	1.75	7.88	2.21	1.07	0.16	3.48	19.58	4.05	1.81	10.35	2.90	2.03	0.31	5.30	26.75
6680	4.16	2.30	6.40	1.79	0.78	0.12	4.71	20.26	5.54	2.38	8.27	2.32	1.43	0.21	7.18	27.33
6685	4.20	2.36	11.49	3.22	1.07	0.16	4.78	27.28	5.60	2.44	15.10	4.23	2.03	0.31	7.28	36.99
6690	5.00	2.80	11.77	3.30	1.20	0.18	5.69	29.94	6.67	2.90	15.47	4.33	2.26	0.34	8.67	40.64
6695	5.18	2.87	11.37	3.18	1.07	0.16	5.87	29.70	6.90	2.98	14.94	4.18	2.03	0.31	8.95	40.29
6705	0.60	0.33	2.31	0.74	0.11	0.02	0.68	4.79	0.80	0.34	3.00	0.96	0.22	0.03	1.04	6.39
6710	0.88	0.50	7.17	2.30	0.29	0.04	1.01	12.19	1.17	0.52	9.27	2.97	0.52	0.08	1.53	16.06
6715	0.91	0.52	7.17	2.30	0.29	0.04	1.04	12.27	1.22	0.54	9.27	2.97	0.52	0.08	1.59	16.19
6720	1.31	0.73	4.59	1.29	0.29	0.04	1.48	9.73	1.74	0.75	5.93	1.66	0.52	0.08	2.26	12.94
6725	0.98	0.55	9.22	2.95	0.29	0.04	1.11	15.14	1.30	0.57	11.92	3.81	0.52	0.08	1.70	19.90
6730	1.47	0.83	5.01	1.40	0.40	0.06	1.68	10.85	1.96	0.86	6.47	1.81	0.73	0.11	2.56	14.50
6735	1.12	0.65	9.27	2.97	0.40	0.06	1.29	15.76	1.50	0.67	11.98	3.83	0.73	0.11	1.96	20.78
6740	1.94	1.07	5.85	1.64	0.40	0.06	2.20	13.16	2.58	1.11	7.55	2.11	0.73	0.11	3.35	17.54
6745	3.11	1.78	8.53	2.39	1.07	0.16	3.56	20.60	4.14	1.85	11.21	3.14	2.03	0.31	5.42	28.10
6750	3.78	2.14	9.34	2.61	1.07	0.16	4.31	23.41	5.04	2.22	12.27	3.44	2.03	0.31	6.57	31.88
6755	3.99	2.25	11.77	3.30	1.07	0.16	4.55	27.09	5.33	2.33	15.47	4.33	2.03	0.31	6.93	36.73
6760	3.85	2.18	9.13	2.56	1.07	0.16	4.39	23.34	5.14	2.26	12.01	3.36	2.03	0.31	6.70	31.81
6765	4.16	2.34	11.77	3.30	1.07	0.16	4.74	27.54	5.55	2.43	15.47	4.33	2.03	0.31	7.22	37.34
6775	4.08	2.31	11.77	3.30	1.14	0.17	4.65	27.42	5.44	2.39	15.47	4.33	2.16	0.32	7.09	37.20
6780	3.98	2.25	11.77	3.30	1.14	0.17	4.54	27.15	5.31	2.34	15.47	4.33	2.16	0.32	6.92	36.85
6785	4.60	2.58	11.77	3.30	1.14	0.17	5.23	28.79	6.13	2.67	15.47	4.33	2.16	0.32	7.97	39.05
6790	4.97	2.77	11.77	3.30	1.14	0.17	5.65	29.77	6.63	2.88	15.47	4.33	2.16	0.32	8.61	40.40
6800	4.65	2.63	10.15	2.84	1.31	0.20	5.30	27.08	6.20	2.73	13.34	3.74	2.40	0.36	8.08	36.85
6805	5.21	2.90	14.21	3.98	1.14	0.17	5.91	33.52	6.95	3.00	18.68	5.23	2.16	0.32	9.01	45.35
6810	5.65	3.13	14.21	3.98	1.14	0.17	6.41	34.69	7.54	3.25	18.68	5.23	2.16	0.32	9.76	46.94
6815	5.89	3.25	14.21	3.98	1.14	0.17	6.67	35.31	7.85	3.37	18.68	5.23	2.16	0.32	10.17	47.78
6820	8.04	4.38	14.21	3.98	1.14	0.17	9.08	41.00	10.72	4.54	18.68	5.23	2.16	0.32	13.83	55.48
6830	2.12	1.07	0.00	0.08	0.00	0.00	2.11	5.38								
6835	2.62	1.32	0.00	0.08	0.00	0.00	2.61	6.63								
6840	3.97	2.00	0.00	0.08	0.00	0.00	3.96	10.01								
6845	4.94	2.49	0.00	0.08	0.00	0.00	4.92	12.43								
6850	5.58	2.81	0.00	0.08	0.00	0.00	5.56	14.03								
6860	0.46	0.23	0.00	0.07	0.00	0.00	0.46	1.22	0.62	0.24	0.00	0.07	0.00	0.00	0.70	1.63
6865	0.73	0.37	0.00	0.07	0.00	0.00	0.73	1.90	0.98	0.38	0.00	0.07	0.00	0.00	1.11	2.54
6870	0.74	0.37	0.00	0.07	0.00	0.00	0.74	1.92	0.99	0.39	0.00	0.07	0.00	0.00	1.12	2.57
6875	0.75	0.38	0.00	0.07	0.00	0.00	0.75	1.95	1.00	0.39	0.00	0.07	0.00	0.00	1.14	2.60
6885	0.16	0.08	0.00	0.00	0.00	0.00	0.16	0.40								
6890	0.16	0.08	0.00	0.00	0.00	0.00	0.16	0.40								
6895	0.18	0.09	0.00	0.00	0.00	0.00	0.18	0.45								
6900	0.21	0.11	0.00	0.00	0.00	0.00	0.21	0.53								
6905	0.23	0.12	0.00	0.00	0.00	0.00	0.23	0.58								
6910	0.22	0.11	0.00	0.00	0.00	0.00	0.22	0.55								
6915	0.06	0.03	0.00	0.00	0.00	0.00	0.06	0.15								
6925	0.16	0.08	0.00	0.07	0.00	0.00	0.16	0.47								
6930	0.21	0.11	0.00	0.07	0.00	0.00	0.21	0.60								
6935	0.58	0.29	0.00	0.07	0.00	0.00	0.58	1.52								
6940	0.64	0.32	0.00	0.07	0.00	0.00	0.64	1.67								
6950	2.05	1.03	0.00	0.11	0.00	0.00	2.04	5.23								
6955	2.08	1.05	0.00	0.11	0.00	0.00	2.07	5.31								
6960	2.10	1.06	0.00	0.11	0.00	0.00	2.09	5.36								
6965	2.13	1.07	0.00	0.11	0.00	0.00	2.12	5.43								
6975	0.85	0.43	0.55	0.18	0.00	0.00	0.84	2.85								
6980	0.89	0.45	0.55	0.18	0.00	0.00	0.89	2.96								
6985	0.94	0.47	0.55	0.18	0.00	0.00	0.94	3.08								
6995	1.46	1.14	0.00	0.07	0.58	0.09	1.63	4.97	1.82	1.16	0.00	0.07	0.80	0.12	2.33	6.30

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
7000	1.69	1.31	0.00	0.07	0.62	0.09	1.89	5.67	2.12	1.34	0.00	0.07	0.86	0.13	2.70	7.22
7005	1.72	1.33	0.00	0.07	0.62	0.09	1.92	5.75	2.15	1.36	0.00	0.07	0.86	0.13	2.75	7.32
7010	2.14	1.64	0.00	0.07	0.71	0.11	2.38	7.05	2.68	1.67	0.00	0.07	0.99	0.15	3.41	8.97
7015	2.11	1.72	0.00	0.07	1.18	0.18	2.40	7.66	2.64	1.76	0.00	0.07	1.63	0.24	3.42	9.76
7020	4.60	3.65	0.00	0.07	2.12	0.32	5.18	15.94	5.75	3.72	0.00	0.07	2.94	0.44	7.39	20.31
7025	4.81	4.06	0.00	0.07	3.29	0.49	5.53	18.25	6.02	4.14	0.00	0.07	4.55	0.68	7.90	23.36
7035	1.77	1.35	0.00	0.07	0.58	0.09	1.97	5.83	2.22	1.38	0.00	0.07	0.80	0.12	2.82	7.41
7045	0.97	0.87	0.00	0.07	0.47	0.07	1.03	3.48								
7050	1.11	1.00	0.00	0.07	0.53	0.08	1.18	3.97								
7055	1.36	1.21	0.00	0.07	0.58	0.09	1.44	4.75								
7060	1.35	1.23	0.00	0.11	0.70	0.11	1.44	4.94								
7065	1.41	1.30	0.00	0.11	0.79	0.12	1.52	5.25								
7070	1.54	1.42	0.00	0.11	0.87	0.13	1.65	5.72								
7075	1.69	1.56	0.00	0.11	0.96	0.14	1.82	6.28								
7080	2.34	2.07	0.00	0.11	0.96	0.14	2.47	8.09								
7085	2.40	2.11	0.00	0.11	0.96	0.14	2.53	8.25								
7090	2.80	2.48	0.00	0.14	1.16	0.17	2.96	9.71								
7095	3.09	2.73	0.00	0.14	1.28	0.19	3.27	10.70								
7100	3.44	3.01	0.00	0.14	1.28	0.19	3.62	11.68								
7105	3.68	3.41	0.00	0.14	2.16	0.32	3.97	13.68								
7110	0.73	0.71	0.00	0.07	0.58	0.09	0.80	2.98								
7120	0.66	0.66	0.00	0.07	0.58	0.09	0.73	2.79								
7130	0.86	0.82	0.00	0.09	0.58	0.09	0.93	3.37								
7135	0.87	0.82	0.00	0.09	0.58	0.09	0.94	3.39								
7145	0.47	0.45	0.00	0.08	0.35	0.05	0.51	1.91								
7150	0.48	0.47	0.00	0.08	0.37	0.06	0.53	1.99								
7155	0.52	0.53	0.00	0.08	0.49	0.07	0.58	2.27								
7165	13.62	10.99	11.34	3.74	6.61	0.99	14.64	61.93	16.34	11.16	14.65	4.83	10.53	1.58	20.08	79.17
7170	18.97	15.45	16.38	5.41	10.34	1.55	20.45	88.55	22.77	15.70	21.16	6.98	16.46	2.47	28.05	113.59
7175	25.10	21.20	21.92	7.23	13.82	2.07	27.32	118.66	30.12	21.54	28.32	9.35	22.00	3.30	37.46	152.09
7180	11.86	9.68	11.34	3.74	6.61	0.99	12.79	57.01	14.24	9.84	14.65	4.83	10.53	1.58	17.55	73.22
7185	17.27	14.55	16.38	5.41	13.03	1.95	18.78	87.37	20.72	14.78	21.16	6.98	20.75	3.11	25.76	113.26
7195	10.05	8.14	5.92	1.95	4.11	0.62	10.82	41.61	12.06	8.27	7.65	2.52	6.32	0.95	14.84	52.61
7200	11.42	9.19	6.43	2.12	4.32	0.65	12.27	46.40	13.70	9.33	8.30	2.74	6.63	0.99	16.82	58.51
7205	11.45	9.59	6.43	2.12	6.60	0.99	12.43	49.61	13.74	9.74	8.30	2.74	10.14	1.52	17.05	63.23
7210	19.38	16.06	11.34	3.74	10.14	1.52	20.98	83.16	23.26	16.32	14.65	4.83	15.56	2.33	28.78	105.73
7220	8.48	6.88	5.39	1.78	3.16	0.47	9.13	35.29	10.18	6.99	6.97	2.30	5.04	0.76	12.53	44.77
7225	13.10	10.52	10.84	3.58	5.98	0.90	14.06	58.98	15.72	10.68	14.00	4.62	9.53	1.43	19.29	75.27
7230	17.15	14.10	14.52	4.79	10.34	1.55	18.53	80.98	20.58	14.33	18.75	6.19	16.46	2.47	25.41	104.19
7235	22.29	18.85	16.28	5.37	12.39	1.86	24.27	101.31	26.75	19.15	21.03	6.94	19.73	2.96	33.28	129.84
7240	22.56	19.33	18.80	6.20	13.82	2.07	24.65	107.43	27.07	19.63	24.28	8.01	22.00	3.30	33.80	138.09
7250	11.19	9.22	9.93	3.28	7.89	1.18	12.10	54.79	13.43	9.37	12.82	4.23	12.92	1.94	16.59	71.30
7255	18.22	14.58	14.62	4.82	9.13	1.37	19.54	82.28	21.86	14.81	18.88	6.23	14.95	2.24	26.80	105.77
7270	7.40	5.98	5.42	1.79	3.67	0.55	7.96	32.77	8.88	6.07	7.00	2.31	5.84	0.88	10.92	41.90
7275	10.63	8.65	8.09	2.67	5.70	0.85	11.45	48.04	12.76	8.78	10.45	3.45	9.08	1.36	15.71	61.59
7280	13.01	10.97	12.42	4.10	9.84	1.48	14.15	65.97	15.61	11.14	16.05	5.30	15.67	2.35	19.41	85.53
7285	17.63	14.82	15.72	5.19	13.03	1.95	19.17	87.51	21.16	15.06	20.31	6.70	20.75	3.11	26.29	113.38
7290	24.54	20.79	21.17	6.99	13.82	2.07	26.73	116.11	29.45	21.12	27.34	9.02	22.00	3.30	36.66	148.89
7300	12.62	10.24	10.58	3.49	6.61	0.99	13.59	58.12	15.14	10.40	13.67	4.51	10.53	1.58	18.63	74.46
7305	17.64	14.47	14.52	4.79	10.34	1.55	19.05	82.36	21.17	14.69	18.75	6.19	16.46	2.47	26.12	105.85
7310	19.30	16.06	14.52	4.79	13.03	1.95	20.92	90.57	23.16	16.31	18.75	6.19	20.75	3.11	28.68	116.95
7315	20.62	17.10	16.76	5.53	13.49	2.02	22.33	97.85	24.75	17.37	21.65	7.14	21.48	3.22	30.63	126.24
7320	24.25	20.58	20.61	6.80	13.82	2.07	26.43	114.56	29.10	20.90	26.63	8.79	22.00	3.30	36.24	146.96
7335	5.86	4.83	5.98	1.68	3.18	0.48	5.43	27.44	7.04	4.90	7.87	2.20	4.99	0.75	7.06	34.81
7340	10.36	8.67	13.17	3.69	6.56	0.98	9.64	53.07	12.43	8.81	17.32	4.85	10.29	1.54	12.53	67.77

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							TOTAL RATE	SEVERE CONDITIONS							TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7345	14.15	11.97	17.95	5.03	9.76	1.46	13.21	73.53	16.98	12.16	23.62	6.61	15.31	2.30	17.17	94.15
7350	14.55	12.26	17.95	5.03	9.76	1.46	13.57	74.58	17.46	12.46	23.62	6.61	15.31	2.30	17.64	95.40
7355	16.88	14.32	21.94	6.14	11.98	1.80	15.76	88.82	20.25	14.55	28.87	8.08	18.79	2.82	20.49	113.85
7360	17.20	14.56	21.94	6.14	11.98	1.80	16.05	89.67	20.63	14.79	28.87	8.08	18.79	2.82	20.87	114.85
7370	11.02	9.16	13.17	3.69	6.56	0.98	10.23	54.81	13.22	9.30	17.32	4.85	10.29	1.54	13.31	69.83
7375	15.00	12.59	17.95	5.03	9.76	1.46	13.97	75.76	18.00	12.79	23.62	6.61	15.31	2.30	18.16	96.79
7380	15.24	12.78	17.95	5.03	9.76	1.46	14.19	76.41	18.29	12.98	23.62	6.61	15.31	2.30	18.45	97.56
7385	18.20	15.30	21.94	6.14	11.98	1.80	16.96	92.32	21.84	15.54	28.87	8.08	18.79	2.82	22.04	117.98
7390	18.40	15.45	21.94	6.14	11.98	1.80	17.13	92.84	22.08	15.69	28.87	8.08	18.79	2.82	22.27	118.60
7400	11.07	9.20	13.17	3.69	6.56	0.98	10.28	54.95	13.29	9.35	17.32	4.85	10.29	1.54	13.37	70.01
7405	16.50	14.02	17.95	5.03	10.89	1.63	15.41	81.43	19.79	14.24	23.62	6.61	16.70	2.51	20.04	103.51
7410	26.52	21.72	25.93	7.26	16.71	2.51	24.54	125.19	31.83	22.06	34.12	9.55	27.11	4.07	31.90	160.64
7420	10.35	8.67	11.05	3.09	6.40	0.96	9.63	50.15	12.42	8.81	14.54	4.07	9.96	1.49	12.53	63.82
7425	19.26	15.29	16.88	4.73	4.88	0.73	17.67	79.44	23.11	15.53	22.21	6.22	7.55	1.13	22.97	98.72
7435	11.67	9.68	13.17	3.69	6.74	1.01	12.64	58.60	14.01	9.84	17.32	4.85	10.55	1.58	17.34	75.49
7440	16.73	13.77	17.95	5.03	9.07	1.36	18.08	81.99	20.08	13.99	23.62	6.61	14.22	2.13	24.80	105.45
7455	3.27	1.29	5.59	2.35	0.00	0.00	5.12	17.62								
7460	4.40	1.73	8.23	3.88	0.00	0.00	6.89	25.13								
7465	8.07	3.17	16.17	7.69	0.00	0.00	12.63	47.73								
7470	8.70	3.41	18.70	9.19	0.00	0.00	13.60	53.60								
7480	0.81	0.59	0.00	0.01	0.00	0.00	0.69	2.10								
7485	0.94	0.68	0.00	0.01	0.00	0.00	0.80	2.43								
7490	1.10	0.80	0.00	0.01	0.00	0.00	0.93	2.84								
7500	1.47	1.07	0.00	0.01	0.00	0.00	1.26	3.81								
7505	1.66	1.21	0.00	0.01	0.00	0.00	1.42	4.30								
7510	1.84	1.34	0.00	0.01	0.00	0.00	1.57	4.76								
7520	0.09	0.06	0.42	0.13	0.00	0.00	0.06	0.76								
7525	0.13	0.08	0.84	0.25	0.00	0.00	0.09	1.39								
7530	0.17	0.11	1.05	0.31	0.00	0.00	0.11	1.75								
7535	0.22	0.14	1.51	0.45	0.00	0.00	0.15	2.47								
7545	0.20	0.11	1.35	0.32	0.03	0.00	0.32	2.33								
7550	0.43	0.22	6.27	1.50	0.02	0.00	0.65	9.09								
7555	0.44	0.22	6.27	1.50	0.02	0.00	0.67	9.12								
7560	0.51	0.26	6.65	1.60	0.02	0.00	0.79	9.83								
7565	0.64	0.33	8.19	1.97	0.04	0.01	0.98	12.16								
7575	0.57	0.29	1.88	0.45	0.02	0.00	0.87	4.08								
7580	0.57	0.29	1.88	0.45	0.02	0.00	0.87	4.08								
7585	0.71	0.37	3.11	0.75	0.04	0.01	1.09	6.08								
7590	0.69	0.36	3.16	0.76	0.04	0.01	1.06	6.08								
7600	0.12	0.07	0.80	0.24	0.00	0.00	0.08	1.31								
7605	0.13	0.08	1.01	0.30	0.00	0.00	0.08	1.60								
7610	0.16	0.10	1.26	0.38	0.00	0.00	0.11	2.01								
7615	0.26	0.17	1.76	0.53	0.00	0.00	0.18	2.90								
7625	0.06	0.04	0.80	0.24	0.00	0.00	0.04	1.18								
7630	0.10	0.07	1.01	0.30	0.00	0.00	0.07	1.55								

APPENDIX A

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APPENDIX B

AREA FACTORS

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

State Sales Tax Rate:	4.0 %
Working Hours Per Year:	1,700 Hrs/Yr
Labor Adjustment Factor (LAF):	0.920
Electricity Cost Per Kilowatt-Hour:	\$ 0.070 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.190 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 1.050 /GAL.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.160 /Gal.
Freight Rates:	
0 thru 30,000 lbs.	\$ 5.620 /Cwt.
over 30,000 thru 40,000 lbs.	\$ 5.140 /Cwt.
over 40,000 thru 50,000 lbs.	\$ 4.220 /Cwt.
over 50,000 thru 60,000 lbs.	\$ 3.520 /Cwt.
over 60,000 thru 9999,900 lbs.	\$ 3.420 /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 condi- tions.	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 condi- tion, such as load- ing ripped rock. Overloading. Con- tinuous high total resistance condi- tions. 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 condi- tions. Extreme overloading. Over- sized 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. Extreme overloading.
Depreciation Period	8,000 Hrs.	6,000 Hrs.
Loaders, Front End Wheel Type	Continuous truck loading from stockpile. Low to medium density materials in properly sized bucket. Hopper charging in low to medium rolling resistance. Loading from bank in good digging.	Loading shot rock (large loaders). Handling high density materials with counterweighted machine. Steady loading from very tight banks. Continuous work on rough or very soft surfaces.
Depreciation Period	10,000 - 12,000 Hrs.	8,000 - 10,000 Hrs.
Loaders, Front End Crawler Type	Bank excavation, intermittent ripping, basement digging of natural bed clays, sands, silts, gravels. Some traveling. Steady full throttle operations.	Loading shot rock, cobbles. High density materials in standard bucket. Continuous work on rock surfaces. Large amount of ripping of tight, rocky materials. High impact conditions.
Depreciation Period	10,000 Hrs.	8,000 Hrs.

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

APPENDIX D

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

TABLE LEGEND

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

TABLE LEGEND

FOG-D - DIESEL FOG (%)
E - ELECT. CONSUMPTION (KW/HP/HR)
G - GAS CONSUMPTION (GAL/HP/HR)
D - DIESEL CONSUMPTION (GAL/HP/HR)
F-TIRE - FRONT TIRE WEAR FACTOR(%)
D-TIRE - DRIVE TIRE WEAR FACTOR(%)
T-TIRE - TRAIL TIRE 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	77	73	99	80
30	AIR COMPRESSORS	A	10	25	65	.000	.066	.038	0	.000	.000	.000	0	32	28	0	0	99	90
45	AIR TOOLS & EQUIP, TAMPERS ETC	A	4	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	C	99	150
60	ASPHALT DISTRIBUTORS	A	10	30	65	.000	.066	.038	0	.000	.000	.000	0	32	28	60	44	79	85
65	ASPHALT AND CONCRETE PAVERS	A	10	20	65	.000	.066	.038	0	.000	.000	.000	0	32	28	65	40	70	90
	BACKHOE (SEE KEY NO. 570-601)																		
75	BROOMS	A	10	20	65	.000	.066	.000	0	.000	.000	.000	0	24	0	77	73	99	50
80	BRUSH CHIPPERS	A	10	20	45	.000	.046	.027	0	.000	.000	.000	0	32	28	0	0	99	90
90	BUCKETS, CLAMSHELL & DRAGLINE	A	10	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
90		S	8	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	90
95	BUCKETS, CONCRETE	A	10	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
105	CONCRETE OR GROUT PUMP	A	8	20	95	.000	.097	.056	0	.000	.000	.000	0	32	28	0	0	0	90
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	A	10	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
125	CONCRETE MIXERS & BUGGIES	A	10	20	70	.700	.071	.041	0	.000	.000	.000	50	32	28	0	0	C	80
135	CONCRETE VIBRATORS	A	4	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	250
140	COMPACTORS, MANUALLY OPERATED	A	6	20	90	.000	.091	.053	0	.000	.000	.000	0	24	24	0	0	0	100
	CRANE, CRAWLER TYPE																		
150	0 THRU 25 TON	A	13	20	40	.000	.041	.024	0	.000	.000	.000	0	18	18	0	0	0	50
150		S	11	20	52	.000	.053	.031	0	.000	.000	.000	0	18	18	0	0	0	55
165	OVER 25 TON THRU 50 TON	A	15	20	40	.000	.041	.024	0	.000	.000	.000	0	18	18	0	0	0	60
165		S	13	20	52	.000	.053	.031	0	.000	.000	.000	0	18	18	0	0	0	65
170	OVER 50 TON THRU 150 TON	A	18	20	40	.000	.041	.024	0	.000	.000	.000	0	18	18	0	0	0	70
170		S	16	20	52	.000	.053	.031	0	.000	.000	.000	0	18	18	0	C	0	75
180	OVER 150 TON	A	20	20	40	.000	.041	.024	0	.000	.000	.000	0	18	18	0	0	0	80
180		S	18	20	52	.000	.053	.031	0	.000	.000	.000	0	18	18	0	0	0	85
	DRAGLINE & CLAMSHELL, CRAWLER																		
185	0 THRU 1 CY	A	12	20	50	.000	.051	.030	0	.000	.000	.000	0	18	18	0	0	0	70
185		S	10	20	65	.000	.066	.038	0	.000	.000	.000	0	18	18	0	0	0	80
190	OVER 1 CY THRU 2-1/2 CY	A	15	20	50	.000	.051	.030	0	.000	.000	.000	0	18	18	0	0	0	80
190		S	13	20	65	.000	.066	.038	0	.000	.000	.000	0	18	18	0	0	0	90
195	OVER 2-1/2 CY THRU 5 CY	A	18	20	50	.000	.051	.030	0	.000	.000	.000	0	18	18	0	0	0	90
195		S	16	20	65	.000	.066	.038	0	.000	.000	.000	0	18	18	0	0	0	100
196	OVER 5 CY	A	20	20	50	.000	.051	.030	0	.000	.000	.000	0	18	18	0	0	0	100
196		S	18	20	65	.000	.066	.038	0	.000	.000	.000	0	18	18	0	0	0	110

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	
200	CRANES, HYDRAULIC, SELF-PROPELLED	A	16	25	65	.000	.066	.038	0	.000	.000	.000	0	32	28	95	90	0	70
	CRANES & HYD. EXC. , TRK MTD																		
210	UNDER 26 T. (THRU 1 CY)	A	15	20	65	.000	.066	.038	10	.000	.010	.006	0	30	26	95	90	0	50
210		S	13	20	85	.000	.086	.050	13	.000	.013	.007	0	30	26	86	73	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	95	90	0	60
225		S	16	20	85	.000	.086	.050	13	.000	.013	.007	0	30	26	86	73	0	65
230	66 THRU 125 T	A	20	20	65	.000	.066	.038	10	.000	.010	.006	0	30	26	95	90	0	70
230		S	18	20	85	.000	.086	.050	13	.000	.013	.007	0	30	26	86	73	0	75
240	OVER 125 T	A	22	20	65	.000	.066	.038	10	.000	.010	.006	0	30	26	95	80	0	80
240		S	20	20	85	.000	.086	.050	13	.000	.013	.007	0	30	26	86	73	0	85
255	DRILL, AUOER	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	67	57	0	90
330	DRILL, ROTARY OVER 11" DIA.	A	20	20	80	.000	.081	.047	0	.000	.000	.000	0	24	24	67	57	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	86	77	0	90
390	GRADERS	A	12	25	60	.000	.061	.035	0	.000	.000	.000	0	16	29	86	68	0	70
390		S	10	25	78	.000	.079	.046	0	.000	.000	.000	0	16	29	60	39	0	75
420	GENERATORS	A	10	30	65	.000	.066	.038	0	.000	.000	.000	0	24	24	0	0	0	80
420		S	9	30	85	.000	.086	.050	0	.000	.000	.000	0	24	24	0	0	0	90
435	HOIST	A	10	20	65	.000	.066	.038	0	.000	.000	.000	0	24	24	0	0	0	90
	HYD. EXCAVATOR (SEE KEY NO. 570-601)																		
440	LIGHT PLANTS	A	10	30	95	.000	.097	.056	0	.000	.000	.000	0	24	24	0	0	0	80
450	LOADER, BELT	A	10	30	65	.000	.066	.038	0	.000	.000	.000	0	32	28	26	0	99	90
450		S	8	30	85	.000	.086	.050	0	.000	.000	.000	0	32	28	16	0	99	100
460	LOADER, FRONT END & LOADER F/E	A	10	25	70	.000	.071	.041	0	.000	.000	.000	0	32	38	0	0	0	110
460	WITH BACKHOE, CRAWLER TYPE	S	8	25	91	.000	.092	.054	0	.000	.000	.000	0	32	38	0	0	0	120
	LOADER, WHEEL TYPE																		
465	0 THRU 225 HP	A	10	25	65	.000	.066	.038	0	.000	.000	.000	0	32	40	60	40	0	70
465		S	8	25	85	.000	.086	.050	0	.000	.000	.000	0	32	40	41	19	0	75
470	OVER 225 HP	A	12	20	65	.000	.066	.038	0	.000	.000	.000	0	32	30	60	40	0	80
470		S	10	20	85	.000	.086	.050	0	.000	.000	.000	0	32	30	41	19	0	85

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	LOADFR, FRONT END WITH	A	10	25	65	.000	.066	.038	0	.000	.000	.000	0	32	28	60	40	0	80
475	BACKHCE, WHEEL TYPE	S	8	25	85	.000	.086	.050	0	.000	.000	.000	0	32	28	41	19	0	85
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	A	6	20	65	.000	.066	.038	0	.000	.000	.000	0	32	28	0	0	0	90
485	PIPELAYERS	A	12	25	35	.000	.000	.021	0	.000	.000	.000	0	0	32	0	0	0	40
485		S	10	25	45	.000	.000	.027	0	.000	.000	.000	0	0	32	0	0	0	45
	PUMP, GROUT (SEE KEY NO. 105)																		
495	PUMP, WATER, ENGINE DRIVE	A	10	20	90	.000	.091	.053	0	.000	.000	.000	0	32	38	0	0	0	80
500	PUMP, WATER, ELECTRIC DRIVE	A	10	20	90	.900	.000	.000	0	.000	.000	.000	45	0	0	0	0	0	40
510	RIPPERS	A	8	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
510		S	6	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	90
525	ROLLERS, EXCEPT VIB. ROLLERS	A	10	20	65	.000	.066	.038	65	.000	.066	.038	0	24	24	76	64	99	90
530	ROLLERS, VIBRATORY	A	8	25	90	.000	.091	.053	90	.000	.091	.053	0	24	24	76	64	99	130
540	SCRAPERS, STANDARD	A	10	20	60	.000	.000	.035	60	.000	.000	.035	0	0	27	58	31	65	70
540		S	8	20	78	.000	.000	.046	78	.000	.000	.046	0	0	27	40	19	45	75
542	SCRAPERS, TANDEM POWERED	A	10	20	62	.000	.000	.037	62	.000	.000	.037	0	0	25	58	25	60	70
542		S	8	20	81	.000	.000	.048	81	.000	.000	.048	0	0	25	40	18	40	75
	SCRAPERS, ELEVATING																		
545	0 THRU 200 HP	A	10	20	66	.000	.000	.039	66	.000	.000	.039	0	0	34	0	25	60	85
545		S	8	20	86	.000	.000	.051	86	.000	.000	.051	0	0	34	0	18	40	90
550	OVER 200 HP	A	10	20	66	.000	.000	.039	66	.000	.000	.039	0	0	24	0	25	60	75
550		S	8	20	86	.000	.000	.051	86	.000	.000	.051	0	0	24	0	18	40	80
555	SCRAPERS, TRACTOR DRAWN	A	12	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	58	0	65	70
555		S	10	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	40	0	45	75
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED																		
570	0 THRU 1 CY	A	11	20	60	.000	.061	.035	0	.000	.000	.000	0	18	18	0	0	0	80
570		S	9	20	78	.000	.079	.046	0	.000	.000	.000	0	18	18	0	0	0	90
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	90
585		S	11	20	78	.000	.079	.046	0	.000	.000	.000	0	18	18	0	0	0	100
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	100
595		S	14	20	78	.000	.079	.046	0	.000	.000	.000	0	18	18	0	0	0	110
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	120
601	OVER 2-1/2 CY ELECTRIC	A	22	20	50	.500	.000	.000	0	.000	.000	.000	25	0	0	0	0	0	80
601		S	20	20	65	.650	.000	.000	0	.000	.000	.000	25	0	0	0	0	0	90

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
	TRACTOR, CRAWLER TYPE																		
615	0 THRU 225 HP	A	10	30	70	.000	.000	.041	0	.000	.000	.000	0	0	32	0	0	0	90
615		S	8	30	91	.000	.000	.054	0	.000	.000	.000	0	0	32	0	0	0	100
620	226 HP THRU 425 HP (PER	A	12	25	70	.000	.000	.041	0	.000	.000	.000	0	0	25	0	0	0	100
620	UNIT FOR TANDEM TRACTORS)	S	10	25	91	.000	.000	.054	0	.000	.000	.000	0	0	25	0	0	0	110
625	OVER 425 HP	A	14	20	70	.000	.000	.041	0	.000	.000	.000	0	0	22	0	0	0	115
625		S	12	20	91	.000	.000	.054	0	.000	.000	.000	0	0	22	0	0	0	125
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	20	65	.000	.066	.038	0	.000	.000	.000	0	24	28	60	44	0	60
645		S	8	20	85	.000	.086	.050	0	.000	.000	.000	0	24	28	46	17	0	65
650	TRENCHER	A	10	20	65	.000	.066	.038	0	.000	.000	.000	0	32	28	60	40	0	90
650		S	8	20	85	.000	.086	.050	0	.000	.000	.000	0	32	28	41	19	0	100
655	TRAILERS, BOTTOM DUMP AND	A	10	25	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	61	70
655	END DUMP	S	8	25	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	44	80
660	TRAILERS, FLATBED, LO-BOY	A	10	30	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	61	60
	AND TILT																		
	TRUCK ACCESSORIES FOR																		
	CHASSIS MOUNTING																		
670	DUMP BODIES	A	8	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	70
670		S	6	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
675	ALL OTHER ACCESSORIES	A	8	20	65	.000	.066	.000	0	.000	.000	.000	0	32	0	0	0	0	70
	TRUCK, HIGHWAY																		
690	0 THRU 10,000 GVW	A	8	20	20	.000	.020	.012	0	.000	.000	.000	0	32	28	47	40	0	70
690		S	6	20	26	.000	.026	.015	0	.000	.000	.000	0	32	28	33	20	0	80
695	OVER 10,000 THRU 30,000 GVW	A	8	20	40	.000	.041	.024	0	.000	.000	.000	0	32	28	47	40	0	70
695		S	6	20	52	.000	.053	.031	0	.000	.000	.000	0	32	28	33	20	0	80
705	OVER 30,000 GVW	A	8	20	60	.000	.061	.035	0	.000	.000	.000	0	32	28	47	40	61	70
705		S	6	20	78	.000	.079	.046	0	.000	.000	.000	0	32	28	33	20	44	80
720	TRUCK, OFF-HIGHWAY	A	12	20	40	.000	.000	.024	0	.000	.000	.000	0	0	33	58	36	65	70
720		S	10	20	52	.000	.000	.031	0	.000	.000	.000	0	0	33	40	22	45	80
765	WAGON, BOTTOM DUMP & WATER	A	12	20	65	.000	.066	.038	0	.000	.000	.000	0	24	28	58	36	65	60
765		S	10	20	85	.000	.086	.050	0	.000	.000	.000	0	24	28	40	22	45	65
780	WAGON, REAR DUMP	A	12	20	65	.000	.066	.038	0	.000	.000	.000	0	24	28	58	36	65	70
780		S	10	20	85	.000	.086	.050	0	.000	.000	.000	0	24	28	40	22	45	80

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
785	WATER BLASTER	A	6	20	95	.000	.097	.056	0	.000	.000	.000	0	24	28	0	0	0	110
795	WATER TANKS	A	12	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	60
810	WELDERS	A	6	30	80	.000	.081	.047	0	.000	.000	.000	0	24	24	0	0	99	90
811	WELDERS ELECTRIC POWER	A	8	30	60	.600	.000	.000	0	.000	.000	.000	30	0	0	0	0	0	40

APPENDIX E

SALVAGE AND REPAIR INDEXES FOR CONSTRUCTION EQUIPMENT

CATEGORY	1982	1981	1980	1979	1978	YEAR PURCHASE NEW			1974	1973	1972	1971	1970
	0	1	2	3	4	AGE IN YEARS			8	9	10	11	12
						5	6	7					
Air Equipment	1618	1571	1630	1521	1354	1295	1166	1165	1028	935	920	929	936
Asphalt & Concrete Paving Equipment	2589	2490	2296	2111	1941	1815	1686	1610	1451	1304	1263	1235	1163
Buckets	4341	4195	3879	3280	2963	2738	2520	2175	1838	1430	1370	1316	1188
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3197	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212	1147
Drills	2790	2580	2265	1993	1858	1699	1638	1559	1373	1249	1184	1160	1115
Generators	3530	3289	2817	2390	2301	2128	2053	1839	1456	1316	1283	1243	1188
Graders, Motor	3548	3277	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208	1152
Loaders, Track	3188	2988	2666	2376	2188	2024	1859	1755	1445	1249	1219	1184	1135
Loaders, Wheel	3714	3430	2938	2606	2375	2156	2002	1907	1584	1362	1317	1261	1197
Pile Driving Equipment	3417	3202	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218	1159
Rollers	3810	3453	3183	2653	2396	2139	1983	1872	1556	1328	1279	1230	1178
Scrapers	3548	3277	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208	1152
Shovels, Backhoes & Hydraulic Excavators	3197	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212	1147
Tractors, Crawler & Attachments	3576	3342	3061	2750	2482	2247	2053	1916	1573	1329	1281	1236	1181
Tractors, Wheel	3578	3256	2927	2578	2319	2125	1956	1813	1498	1288	1251	1211	1152
Trenchers	3921	3605	3153	2772	2580	2300	1894	1633	1527	1384	1316	1284	1207
Trucks, Highway	2995	2619	2324	2108	1934	1775	1646	1524	1369	1230	1211	1185	1114
Trucks & Wagons - Off Highway	3650	3360	2964	2588	2364	2196	2081	1965	1568	1315	1293	1245	1190
All Other Equipment	3417	3202	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218	1159

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, 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 in Figure F-1.

No.	Condition	Factor	
		Average	Severe
A	Maintenance	1.0	1.0
B	Speeds	0.8	0.9
C	Curves	1.0	0.85
D	Surface Condition	0.9	0.65
E	Loads	0.9	0.9
		<u>0.648</u>	<u>0.448</u>
F	Wheel Positions		
	Trailing (T-Tire)	1.0	1.0
	Front (F-Tire)	0.9	0.9
	Driver (D-Tire)		
	(Rear Dump)	0.7	0.7
	(Bottom Dump)	0.7	0.7
	(Self-Propelled Scrapers)	0.6	0.6
G	Grades		
	Driver	<u>0.80</u>	<u>0.7</u>
TOTALS			
	Trailing (T-Tire)	0.65	0.45
	Front (F-Tire)	0.58	0.40
	Driver (D-Tire)		
	(Rear Dump)	0.36	0.22
	(Bottom Dump)	0.36	0.22
	(Self-Propelled Scrapers)	0.31	0.19

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

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TABLE F-1. Maximum Tire Life.

Bias Ply Tires:		
Off-highway E4, L4, & L5		7,000 Hours
All other bias ply tires		5,000 Hours
Radial Ply Tires:		
Off-highway RL4		8,300 Hours
All other radial ply tires		6,000 Hours

APPENDIX G

EQUIPMENT EXTRAS

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

(1) Crane, Crawler-Mounted.

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

(2) Dragline and Clamshell, Crawler-Mounted.

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

(3) Backhoe and Shovel, Crawler-Mounted.

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

(4) Truck Crane Less than 25 Ton.

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

(5) Truck Crane 25 Ton and Larger.

- (a) Power load lowering.
- (b) Third drum.
- (c) Hydraulic outriggers w/screw jacks.
- (d) Torque converter when available.
- (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.