

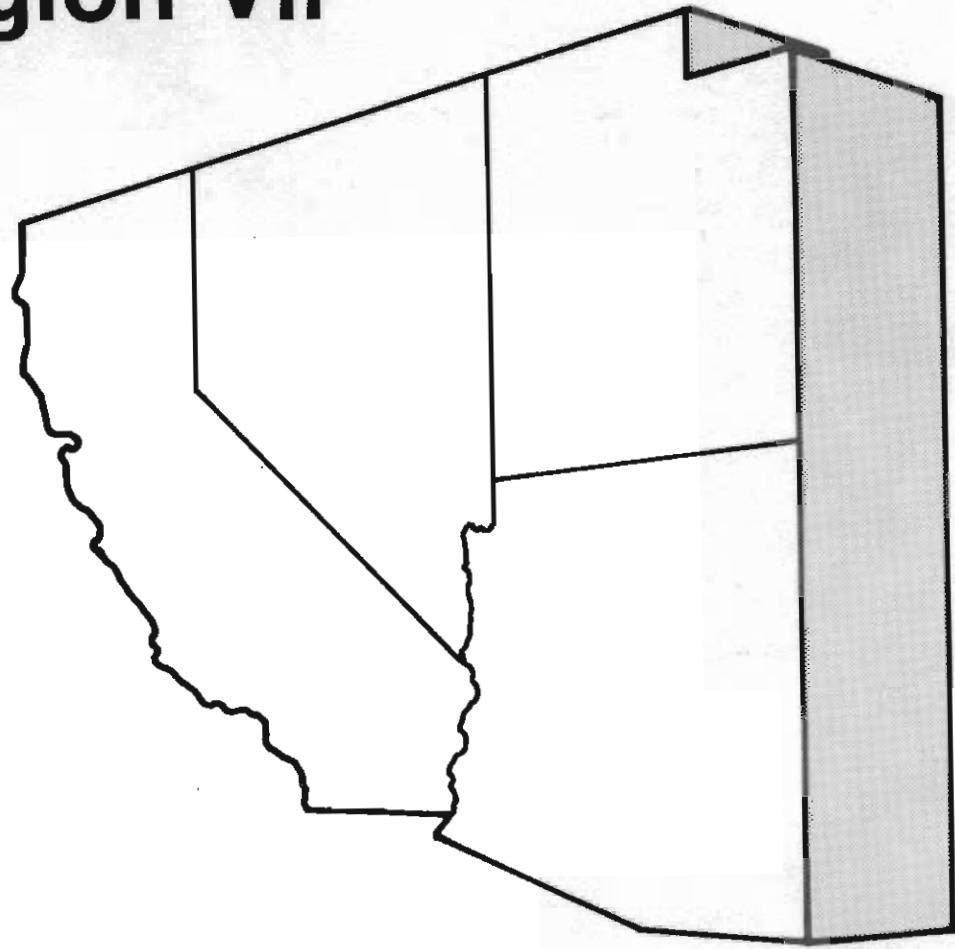


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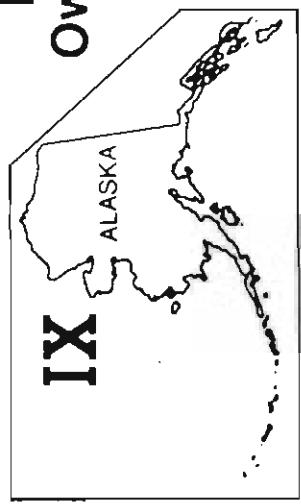
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EP 1110-1-8
Volume 7
June 1985

Construction Equipment Ownership and Operating Expense Schedule

Region VII

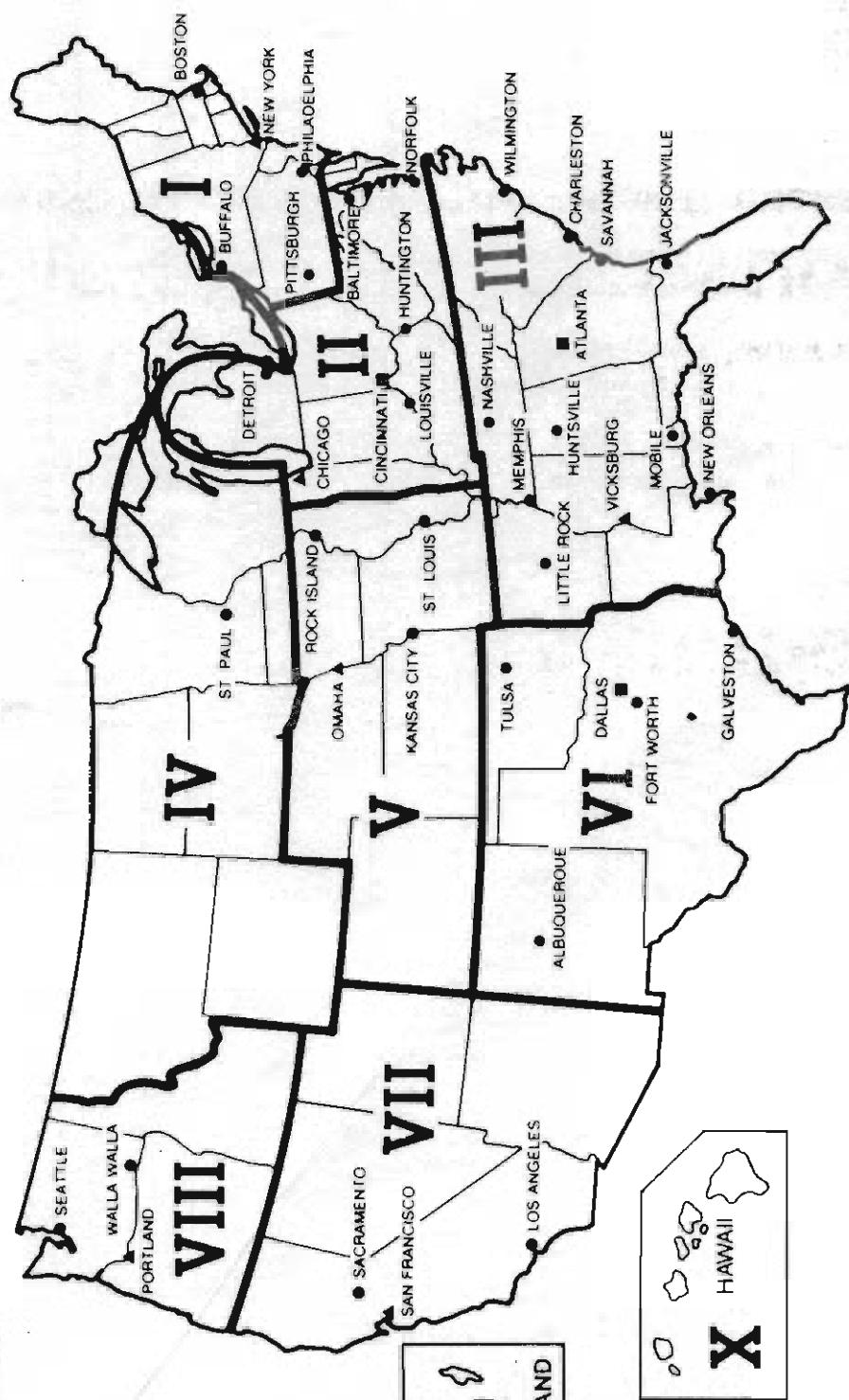


Regions for the Construction Equipment Ownership and Operating Expense Schedule



IX

ALASKA



XII

KWAJALEIN ISLAND



XI

PUERTO RICO

DAEN-ECE-S

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

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Pamphlet
No. 1110-1-8

1 June 1985

Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

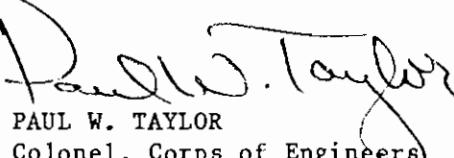
1. Purpose. This pamphlet establishes predetermined equipment ownership and operating expense rates for use in preparation of estimates and in pricing negotiated procurements requiring independent Government estimates.

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

Arizona
California
Nevada
Utah

3. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead, or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 1983. The percentages for marine equipment provide an allowance for ownership expenses only. This pamphlet will be updated annually or more frequently if necessary.

FOR THE COMMANDER:


PAUL W. TAYLOR

Colonel, Corps of Engineers
Chief of Staff

This pamphlet supersedes EP 1110-1-8, Volume 7, dated 1 June 1984.

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US Army Corps of Engineers
DAEN-ECE-S Washington, DC 20314

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Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

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CHAPTER 1

INTRODUCTION

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

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

Arizona
California
Nevada
Utah

1-3. References. See APPENDIX A.

1-4. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead, or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 1983. The percentages for marine equipment provide an allowance for ownership expenses only. This pamphlet will be updated annually or more frequently if necessary.

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

a. Cost or pricing data as defined in FAR 15.8 is not required.

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

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

CHAPTER 2

METHODOLOGY

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

2-2. Construction Equipment.

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

b. Operating Conditions.

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

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

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

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

(1) Depreciation.

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

(b) Salvage value for the used equipment was determined from the "Handbook of New and Used Construction Equipment Values" (Green Guide) and advertisements of used equipment for sale displayed in current engineering and construction magazines. The salvage value percentages used for each type of equipment are listed in APPENDIX D (column "SLV") as a percent of the "equipment cost" and are equal for both "Average Condition" and "Severe Condition." The percentages are adjusted by the economic adjustment factor (EAF) to bring the salvage value up to current price levels. The EAF factor is obtained from APPENDIX E and is equal to the economic index for the current year divided by the economic index for the year the equipment was manufactured. The ownership costs shown in TABLE 3-1 represent the hourly costs for new equipment manufactured and purchased in 1983.

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

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

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

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

(a) The cost of facilities capital (CFC) as defined in FAR 31.205-10 and CAS 414 is included in the use rates. This cost was computed by multiplying the cost of money rate (12.125%) determined by the Secretary of the Treasury pursuant to P.L. 92-41 (85 Stat. 97) by the average value of equipment and prorating the result over the annual operating hours. This cost of money rate was discounted to 9.70% to avoid duplication when applying markups for overhead and profit.

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

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

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

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

d. Operating Cost.

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

(2) Fuel Consumption Cost.

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

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

where:

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

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

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

(4) Gasoline wt = 6.1 lbs per gallon

(5) Diesel wt = 7.1 lbs per gallon

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

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

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

(e) The estimated hourly fuel costs included in TABLE 3-1 are also noted separately for both average and severe conditions. Hourly fuel costs will be adjusted in the event the averaged (weighted) fuel prices (F.O.B. jobsite) vary by more than 10 percent above or below the price assumed in the basic computation. For example, if the price per gallon should increase by 15 percent, then 15 percent of the hourly fuel cost will be added to the total hourly rate. The Contractor will be required to furnish copies of all fuel supply contracts and invoices to the Government. Request for upward adjustment in the rates will be considered only where fuel is to be supplied by recognized distributors. In no event shall the allowance for the hourly "FOG" costs be adjusted in conjunction with any fuel price revisions.

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

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

(4) Maintenance and Repair Costs.

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

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

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

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

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

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

(5) Hourly Tire Cost.

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

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

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

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

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

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

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

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

CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET <i>(EP 1110-1-8)</i>	
1. REQUIRED DATA	(Since this request for information is to less than ten persons, OMB approval under Section 3507, 44 USC, is not required.)
a. Unit Number <u>3260</u>	
(1) Equipment Description <u>P&H Truck Crane</u>	<u>50 ton</u>
(2) Model and Series <u>650A-TC</u>	<u>6150' Boom</u>
(3) Year Purchased <u>1983</u>	<u>1983</u>
(5) Equipment Horsepower <u>135</u>	<u>Carrier Horsepower</u> <u>236</u>
(7) Fuel Type <u>Diesel / Diesel</u>	<u>Shipping Weight</u> <u>122,200 lbs.</u>
(9) Tire Size: Front- <u>14X20 18PR</u> Drive- <u>14X20 18PR</u> Trailing- <u>-----</u>	
b. Key Number from APPENDIX D <u>225</u>	
(1) Condition <u>Average</u>	
(2) Salvage Value <u>15</u>	(3) Life <u>18,000 hrs</u>
(4) Equipment Fuel Factor <u>.038</u>	(5) Carrier Fuel Factor <u>.026</u>
(6) FOG Factor: Gas <u>N/A</u>	Diesel <u>.26</u> Electric <u>.11/A</u>
(7) Tire Wear Factor: Front <u>.97</u>	Drive <u>.78</u> Trailing <u>.11/A</u>
(8) Repairs Cost Factor <u>.60</u>	
2. EQUIPMENT COST	
a. List Price Year of Manufacture (including extras)	<u>\$ 403,894.00</u>
(1) Discount: (List Price) x *7.5% *(17.5% for Highway Trucks)	
<u>= (\$ 403,894) x .075</u>	<u>= (-) \$ 30,292.05</u>
(2) Freight: (Shipping Weight) x (Prep. and Del. Rate) From 1-a-(8) From APPENDIX B	
<u>= (122,200) x (\$ 6.60)</u>	<u>= (+) \$ 8065.20</u>
b. Subtotal: Summation of Part a. (Use actual cost when available)	<u>= \$ 381,667.15</u>
(1) State Sales Tax: (Subtotal) x (Tax Rate) From 2-b	
<u>= (\$ 381,667.15) x (.06)</u>	<u>= (+) \$ 22,900.03</u>
c. Equipment Cost: Summation of Part b. (Use actual cost when available)	<u>= \$ 404,567.18</u>

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Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

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

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

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

$$-(\underline{3437}) + (\underline{3282}) = \underline{1047} \text{ (EAF)}$$

5. SALVAGE VALUE FACTOR (S)

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

$$= (-15) \times (-1047) = 157(s)$$

6. OWNERSHIP COSTS

a. Depreciation:

$$\frac{Equipment}{[Cost From] \times [1.0 - (S From)] - (Tire Cost)] + \frac{Life}{(From 2-c Yr. of Mfg.)} - b-(3)} \\ (\$404,567) \times [1.0 - (.157)] - (\$8,211) + (18,000 \text{ Hr}) = \$18,49/\text{Hr.}$$

b. Cost of Facilities Capital (CPC):

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

$$= [(0.59 \text{ yrs}) - 1.0] \times [(1.57) + 1.0] + 2.0] + [(0.59 \text{ yrs}) \times 2.0] = 6183$$

$$(2) \frac{\text{Equipment Cost}}{2-c} \times \frac{\text{Average Value Factor}}{\text{From 6-b(1)}} \times \frac{\text{CPC Factor}}{\text{From Para. 1 + 2-2.c.(2)}} \times \frac{\text{Hrs Use/ Yr}}{\text{APP. B}} = \$ \frac{404,567}{2-c} \times \frac{.6183}{\text{From 6-b(1)}} \times \frac{.097}{\text{From Para. 1 + 2-2.c.(2)}} \times \frac{1,700 \text{ Hrs/Yr}}{\text{APP. B}} = \$ 14.27/\text{Hr.}$$

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) - \$ 32.76/Hr.

Figure 2-1. (Continued)

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

7. OPERATING COSTS

a. Fuel Costs:

(1) Equipment: (Equip Fuel Factor) x (H.P. From) x (Fuel Cost)
 From 1-b-(4) 1-a-(5) Per Gal.
 $= (.038) \times (135 \text{ HP}) \times (\$.89/\text{Gal}) = \$ 4.57/\text{Hr.}$

(2) Carrier: (Carrier Fuel Factor) x (H.P. From) x (Fuel Cost)
 From 1-b-(5) 1-a-(6) Per Gal.
 $= (.006) \times (236 \text{ HP}) \times (\$ 1.11/\text{Gal}) = \$ 1.57/\text{Hr.}$

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) = \$ 6.14/Hr.

b. FOG Costs:

(1) Equipment: (FOG Factor) x (Hourly Fuel Cost)
 From 1-b-(6) From 7-a-(1)
 $= (.26) \times (\$ 4.57/\text{Hr}) = \$ 1.19/\text{Hrs.}$

(2) Carrier: (FOG Factor) x (Hourly Fuel Cost)
 From 1-b-(6) From 7-a-(2)
 $= (.26) \times (\$ 1.57/\text{Hr}) = \$ 1.41/\text{Hr.}$

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) = \$ 1.60/Hr.

c. Repairs Cost:

(1) Repair Factor:
 (Repairs Cost Factor) x (EAF) x (LAF From)
 From 1-b-(8) From 4 APP. B
 $= (.60) \times (1.047) \times (1.09) = .685$

(2) Hourly Repairs:
 Equipment Life
 [(Cost From) - (Tire Cost)] x (Repair Factor) + (From)
 2-c Yr. of Mfg. From 7-c-(1) 1-b-(3)
 $= [(\$ 404,567) - (\$ 8,211)] \times (.685) + (\$ 18,000/\text{Hr}) = \$ 15,08/\text{Hr.}$

Figure 2-1. (Continued)

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

d. Tire Wear Costs (Current Price Levels):

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

$= 1.5 \times (\underline{\underline{2776}}) + [1.8 \times (\underline{\underline{.97}}) \times (\underline{\underline{5000}} \text{ Hr})] = \underline{\underline{48}} / \text{Hr.}$

$$\begin{array}{l} \text{Drive} \quad \text{D-Tire} \quad \text{Max Tire} \\ (2) \text{ Drive Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Prt Frm}) \times (\text{Life Frm})] \\ \text{Cost} \qquad \qquad \qquad 1-\text{b}-\{7\} \qquad \qquad \text{Tbl P-1} \\ -1.5 \times (\underline{\$ 5552}) + [1.8 \times (\underline{.78}) \times (\underline{5000 \text{ Hr}})] = \$ \underline{119} / \text{Hr.} \end{array}$$

$$(3) \text{ Trailing Tires: } 1.5x(\text{Tires}) + [1.8x(\text{Ptr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad l-b-(7) \quad \text{Tbl F-1}$$

$\rightarrow 1.5x(\underline{\hspace{2cm}}) + [1.8x(\underline{\hspace{2cm}}) \times (\underline{\hspace{2cm}} \text{ Hr})] = \$ \underline{\hspace{2cm}} / \text{Hr.}$

(4) Total Tire Wear Cost: (Sum 7-d-(1) thru (3)) -\$ 1.67/Hr.

$$\text{e. Tire Repair Cost: } (\text{Tire Wear }) \times 0.15 \\ \text{Frm 7-d-(4)} \\ = (\underline{\underline{1,67}}) \times 0.15 \\ = \underline{\underline{25}} / \text{Hr.}$$

f. Total Operating Costs: (Sum 7-a thru 7-e) -\$ 2474/Hr.

8. TOTAL HOURLY RATES

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

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

$$-(\$ 32.76/\text{Hr}) + (\$ 24.74/\text{Hr}) = \$ 57.50/\text{Hr.}$$

b. Hourly Rate for Other Work Shifts:
 (Depreciation) + [(CPC Frm) x 40 + (Work Hrs)] + (Operating Costs)
 From 6-a 6-b-(2) Per Week Frm 7-f
 $= (\$18.49/\text{Hr}) + [(\$14.27/\text{Hr}) \times 40 + (60 \text{ Hr/Wk})] + (\$24.74/\text{Hr}) = \$52.74/\text{Hr}$

c. Hourly Standby Rate:

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

From 6-a 6-b-(2)

$$= (\$ 18.49/\text{Hr}) \times 0.25 + (\$ 14.27/\text{Hr}) = \$ 18.89/\text{Hr.}$$

Figure 2-1. (Continued)

2-3. Marine Equipment.

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

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

(1) Depreciation. Depreciation was computed using the straight-line method. The annual rate is determined by dividing the depreciable value by the expected normal life of the equipment in years. When the actual age of a piece of equipment exceeds the normal life, one year shall be added to the actual age and the depreciation shall be recomputed. The depreciable value is the acquisition cost, plus any capital improvements, less estimated salvage. Costs for drydocking and major repairs, which occur periodically, are considered a part of operating costs and will be allocated on an equal annual basis over the years between such occurrences, in accordance with paragraph 31.205-24 of FAR.

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

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

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

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

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

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

c. Annual Use. Marine equipment is normally operated 24 hours per day, 7 days per week, and costs are usually kept on a monthly basis. This is the preferred basis. However, if an hourly or daily basis is used, the monthly cost should be divided by the actual number of hours or days the contractor is working. If actual time cannot be determined, the monthly cost should be divided by 720 hours or 30 days. The contracting officer shall determine the number of use-months per year for the contract dredge based on the industry average for the same type and size dredge. Use-months includes time spent on all Government and non-Government work, including foreign and domestic. Attendant plant shall be based on the same number of use-months per year as the contract dredge.

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

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

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

CHAPTER 3

RATE SCHEDULE

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

3-2. Hourly Equipment Ownership and Operating Expense.

a. Description.

(1) The following example illustrates how the equipment is listed in TABLE 3-1. The unit number 3175 is the identifying number of this piece of equipment in the input and output computer listings. The number 5530 is the model number of the equipment (American Model 5530 Truck Crane). The crane is rated at 75 tons and is equipped with a 170-foot boom. The crane has a 115-horsepower engine, the carrier has a 238-horsepower engine and both engines are diesel. The cost column reflects the pre-determined "equipment cost," used to compute the rates.

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

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

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

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

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

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

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

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

h. Rate Adjustment Tables. The rate adjustment tables (TABLES 3-2, 3-3 and 3-4) should be used to adjust the hourly rates in TABLE 3-1 when the actual age of the equipment and working hours are to be considered. These tables may be used whenever information is available to indicate that the contractor's equipment is not the same age as the equipment listed in this pamphlet or when the hours worked have exceeded

40 hours per week. The rate adjustment tables have been developed from the equations used to calculate ownership and standby costs and it has been determined that they provide reasonable adjustment factors to allow a short-cut method for computing an hourly use rate when actual conditions are considered. When cost or pricing data is available the rate adjustment tables may be used in lieu of a step-by-step rate computation for each item of equipment, provided that the equipment is equivalent in size, capacity, horsepower, etc. to the item listed in the pamphlet.

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



TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

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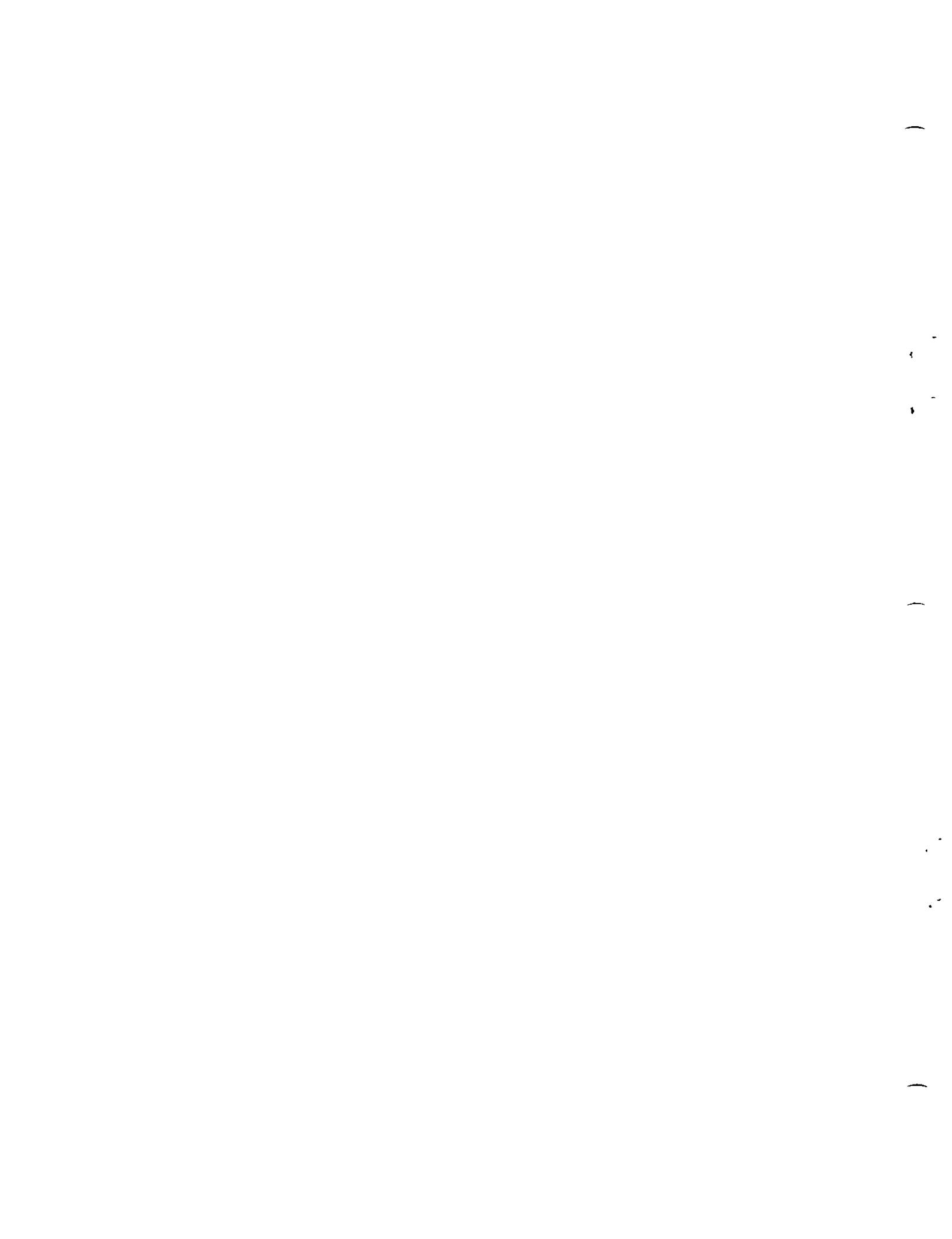


TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
AGGREGATE SPREADER *****														
ETNYRE - SELF-PROPELLED														
1010	SPREAD TO 8" DEPTH & 10' WIDE	184 HP G	57,815	25.72		3.33	6.70	11.54		155				
1015	SPREAD TO 8" DEPTH & 13' WIDE	140 HP D	64,532	17.36		3.73	7.49	3.74		160				
AIR COMPRESSORS, PORTABLE ***** (HOSE NOT INCLUDED)														
ROTARY SCREW														
1030	SIZE 100 CFM QUIET 100 PSI	50 HP G	11,461	7.56		0.66	1.28	4.06		20				
1035	SIZE 100 CFM QUIET 100 PSI	33 HP D	13,765	4.08		0.79	1.54	1.12		26				
1040	SIZE 125 CFM QUIET 100 PSI	70 HP G	14,023	10.20		0.81	1.57	5.68		24				
1045	SIZE 125 CFM QUIET 100 PSI	51 HP D	14,919	5.08		0.86	1.68	1.72		26				
50	SIZE 175 CFM QUIET 100 PSI	70 HP G	15,304	10.46		0.89	1.73	5.68		26				
1055	SIZE 175 CFM QUIET 100 PSI	54 HP D	17,352	5.69		1.01	1.96	1.83		28				
1060	SIZE 185 CFM QUIET 100 PSI	70 HP G	15,801	10.55		0.92	1.78	5.68		27				
1065	SIZE 185 CFM QUIET 100 PSI	69 HP D	18,618	6.58		1.08	2.10	2.33		29				
1070	SIZE 250 CFM QUIET 100 PSI	88 HP D	27,837	9.19		1.61	3.14	2.98		55				
1075	SIZE 375 CFM QUIET 100 PSI	122 HP D	34,595	12.00		1.99	3.86	4.13		79				
1080	SIZE 450 CFM QUIET 100 PSI	152 HP D	44,727	15.24		2.58	5.01	5.14		89				
1085	SIZE 600 CFM QUIET 100 PSI	188 HP D	53,628	18.53		3.09	6.01	6.36		97				
1090	SIZE 750 CFM QUIET 100 PSI	228 HP D	62,316	21.94		3.60	7.00	7.71		128				
1095	SIZE 825 CFM QUIET 100 PSI	260 HP D	70,778	24.94		4.09	7.95	8.79		130				
1100	SIZE 900 CFM QUIET 100 PSI	270 HP D	77,600	26.71		4.49	8.73	9.13		148				
1105	SIZE 1000 CFM QUIET 100 PSI	294 HP D	86,913	29.53		5.03	9.78	9.94		186				
1110	SIZE 1200 CFM QUIET 100 PSI	400 HP D	103,744	37.38		6.00	11.69	13.53		196				
1115	SIZE 1600 CFM QUIET 100 PSI	456 HP D	117,246	42.44		6.78	13.21	15.42		216				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
AIR EQUIPMENT ***** (HOSE NOT INCLUDED)														
CLEMCO - SANDBLASTERS														
1130	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,544	1.10		0.15	0.38	0.00			3				
1135	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,809	1.94		0.26	0.68	0.00			5				
1140	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,836	1.96		0.27	0.69	0.00			6				
1145	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	3,119	2.22		0.30	0.76	0.00			7				
1150	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,213	2.95		0.40	1.02	0.00			9				
1155	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	12,267	8.35		1.13	2.90	0.00			28				
1160	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	15,163	10.26		1.38	3.51	0.00			4				
1165	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	18,479	12.57		1.69	4.31	0.00			53				
GARDNER DENVER - TOOLS														
1175	SPADER SP27E	32CFM A	930	0.68		0.09	0.22	0.00		1				
1180	SINKER DRILL S58	98CFM A	2,032	1.47		0.19	0.49	0.00		1				
1185	PAVING BREAKER B37	41CFM A	955	0.70		0.09	0.23	0.00		1				
1190	PAVING BREAKER B67C	46CFM A	1,023	0.75		0.10	0.25	0.00		1				
1195	PAVING BREAKER B87C	50CFM A	1,112	0.81		0.11	0.27	0.00		1				
1200	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,727	2.62		0.35	0.90	0.00		1				
MASTER - CONCRETE VIBRATORS														
1210	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	2,004	2.07		0.19	0.49	0.00		1				
1215	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,291	1.37		0.13	0.32	0.00		1				
1220	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,160	1.21		0.11	0.28	0.00		1				
1225	CONCRETE VIBR. MOD A-30010 3"	64CFM A	1,047	1.09		0.10	0.26	0.00		1				
1230	CONCRETE VIBR. MOD A-25010 2.5"	40CFM A	823	0.85		0.08	0.20	0.00		1				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND BY	AVERAGE COND.	SEVERE COND.				
			AVERAGE	SEVERE							
ASPHALT DISTRIBUTOR - ROSCO ***** (NO CHASSIS)											
1240	MOD RES 1000 GAL. TRUCK MOUNTED 18,000 TO 24,000 GW REQUIRED	45 HP G	28,469	10.89		1.66	3.35	3.65		72	
1245	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GW REQUIRED	45 HP G	29,154	11.03		1.70	3.43	3.65		75	
1250	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GW REQUIRED	45 HP G	31,235	11.48		1.82	3.68	3.65		87	
1255	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GW REQUIRED	45 HP G	35,122	12.30		2.04	4.13	3.65		109	
ASPHALT FINISHERS ***** SPW=STANDARD PAVING WIDTH											
BARBER-GREENE											
1265	MOD SB111 8' SPW (PNEUMATIC)	70 HP D	92,253	23.30		5.33	10.71	2.37		165	
1270	MOD SB131 10' SPW (PNEUMATIC) W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	95 HP D	146,402	36.37		8.42	16.89	3.21		258	
1275	MOD SB140 10' SPW (PNEUMATIC) OPTIONS SAME AS MOD SB131	130 HP D	162,507	41.44		9.37	18.80	4.40		325	
1280	MOD SA150 10' SPW (CRAWLER) OPTIONS SAME AS MOD SB131	130 HP D	193,416	47.93		11.24	22.75	4.40		375	
BLAW-KNOX											
1290	MOD PF-22 5' SPW (PNEUMATIC)	22 HP D	47,614	11.45		2.73	5.46	0.74		95	
1295	MOD PF-35 6' SPW (PNEUMATIC)	56 HP D	74,631	18.85		4.31	8.65	1.89		104	
1300	MOD PF-115 8' SPW (PNEUMATIC)	58 HP D	103,767	25.34		5.98	12.02	1.96		180	
1305	MOD PF-120H 8' SPW (PNEUMATIC)	87 HP D	129,416	32.30		7.44	14.89	2.94		240	
1310	MOD PF-180H 10' SPW (PNEUMATIC)	88 HP D	151,525	37.24		8.71	17.42	2.98		277	
1315	MOD PF-220 12' SPW (PNEUMATIC)	157 HP D	200,221	51.02		11.50	23.01	5.31		387	
1320	MOD PF-400 8' SPW (CRAWLER)	76 HP D	142,417	34.45		8.28	16.76	2.57		230	
1325	MOD PF-500 10' SPW (CRAWLER)	110 HP D	170,377	42.04		9.90	20.05	3.72		291	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	ASPHALT KETTLES - ROSCO *****										
1335	MOD KB 110 GAL. TRAILER MOUNTED	3,874	1.96		0.24	0.52	0.00			13	
1340	MOD KD 225 GAL. TRAILER MOUNTED	4,507	2.22		0.29	0.61	0.00			16	
	ASPHALT RECYCLER - BOMAG *****										
1350	MOD AR-6 TRAILER MOUNTED	8 HP G	10,552	5.07		0.67	1.44	0.65		21	
	BROOMS - M-B *****										
1360	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER		6,672	1.53		0.38	0.74	0.00		24	
1365	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	21 HP G	8,636	3.87		0.50	0.97	1.70		30	
1370	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		2,921	0.78		0.18	0.34	0.00		10	
1375	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		4,519	1.04		0.26	0.51	0.00		14	
	BRUSH CHIPPERS - FMC *****										
1385	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	12,077	13.86		0.70	1.42	8.49			41	
1390	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	13,217	14.11		0.77	1.53	8.49			45	
	BUCKETS, CLAMSHELL *****										
	ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE										
1400	.75 C.Y.	10,550	2.11	2.70	0.61	1.28	0.00	1.52	0.00	37	
1405	1.0 C.Y.	11,362	2.27	2.90	0.66	1.38	0.00	1.63	0.00	41	
1410	1.5 C.Y.	16,469	3.29	4.22	0.96	2.00	0.00	2.37	0.00	61	
1415	2.0 C.Y.	19,329	3.87	4.95	1.13	2.35	0.00	2.78	0.00	69	
1420	2.5 C.Y.	24,931	4.99	6.38	1.45	3.03	0.00	3.59	0.00	88	
1425	3.0 C.Y.	26,542	5.30	6.80	1.54	3.22	0.00	3.82	0.00	94	
1430	3.5 C.Y.	28,880	5.78	7.39	1.68	3.51	0.00	4.15	0.00	105	

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

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

ESCO - MODEL GPS																			
GEN PURPOSE & SQUARE NOSE (CONT'D)																			
1435	4.0 C.Y.	32,008	6.41	8.19	1.87	3.90	0.00	4.60	0.00	115									
1440	4.5 C.Y.	34,790	6.96	8.90	2.03	4.23	0.00	5.00	0.00	126									
1445	5.0 C.Y.	37,128	7.42	9.50	2.16	4.51	0.00	5.34	0.00	140									
1450	5.5 C.Y.	41,080	8.21	10.50	2.39	4.99	0.00	5.90	0.00	152									
1455	6.0 C.Y.	42,765	8.56	10.94	2.49	5.20	0.00	6.15	0.00	160									
1460	6.5 C.Y.	44,056	8.82	11.28	2.56	5.36	0.00	6.34	0.00	169									
1465	7.0 C.Y.	46,362	9.28	11.86	2.70	5.64	0.00	6.66	0.00	177									
1470	7.5 C.Y.	48,227	9.65	12.35	2.81	5.87	0.00	6.94	0.00	184									
ESCO - MODEL HDS																			
HEAVY DUTY & SQUARE NOSE																			
1480	.75 C.Y.	10,053	2.01	2.57	0.58	1.22	0.00	1.44	0.00	33									
1485	1.0 C.Y.	13,997	2.80	3.58	0.82	1.70	0.00	2.01	0.00	46									
1490	1.5 C.Y.	20,560	4.11	5.25	1.20	2.50	0.00	2.95	0.00	70									
1495	2.0 C.Y.	22,302	4.47	5.71	1.30	2.72	0.00	3.21	0.00	78									
1500	2.5 C.Y.	28,046	5.61	7.17	1.63	3.41	0.00	4.03	0.00	98									
1505	3.0 C.Y.	30,884	6.17	7.90	1.79	3.75	0.00	4.44	0.00	109									
1510	3.5 C.Y.	35,474	7.09	9.08	2.06	4.31	0.00	5.10	0.00	120									
1515	4.0 C.Y.	38,308	7.67	9.80	2.23	4.66	0.00	5.51	0.00	131									
1520	4.5 C.Y.	41,299	8.26	10.57	2.40	5.02	0.00	5.94	0.00	141									
1525	5.0 C.Y.	44,332	8.87	11.35	2.58	5.39	0.00	6.38	0.00	155									
1530	5.5 C.Y.	46,926	9.39	12.01	2.73	5.71	0.00	6.75	0.00	164									
1535	6.0 C.Y.	49,391	9.89	12.64	2.88	6.01	0.00	7.10	0.00	174									
1540	6.5 C.Y.	52,164	10.43	13.35	3.03	6.34	0.00	7.50	0.00	185									
1545	7.0 C.Y.	54,497	10.91	13.94	3.17	6.63	0.00	7.83	0.00	193									
1550	7.5 C.Y.	56,790	11.36	14.53	3.30	6.90	0.00	8.16	0.00	201									

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

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

ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE														
1560	.75 C.Y.	15,901	3.18	4.07	0.93	1.93	0.00	2.29	0.00	50				
1565	1.0 C.Y.	16,261	3.26	4.16	0.95	1.98	0.00	2.34	0.00	55				
1570	1.5 C.Y.	23,500	4.70	6.00	1.37	2.86	0.00	3.37	0.00	81				
1575	2.0 C.Y.	28,953	5.79	7.41	1.68	3.52	0.00	4.16	0.00	99				
1580	2.5 C.Y.	32,624	6.53	8.35	1.90	3.97	0.00	4.69	0.00	115				
1585	3.0 C.Y.	35,593	7.12	9.10	2.07	4.33	0.00	5.11	0.00	127				
1590	3.5 C.Y.	38,455	7.69	9.84	2.23	4.67	0.00	5.53	0.00	141				
1595	4.0 C.Y.	40,954	8.19	10.48	2.39	4.98	0.00	5.89	0.00	150				
1600	4.5 C.Y.	42,727	8.54	10.94	2.48	5.19	0.00	6.15	0.00	160				
1605	5.0 C.Y.	46,456	9.30	11.89	2.70	5.65	0.00	6.68	0.00	173				
1610	5.5 C.Y.	49,411	9.89	12.64	2.88	6.01	0.00	7.10	0.00	185				
1615	6.0 C.Y.	52,124	10.43	13.33	3.03	6.34	0.00	7.49	0.00	195				
1620	6.5 C.Y.	55,115	11.02	14.11	3.21	6.70	0.00	7.93	0.00	208				
1625	7.0 C.Y.	57,327	11.47	14.67	3.33	6.97	0.00	8.24	0.00	218				
1630	7.5 C.Y.	60,243	12.05	15.41	3.50	7.32	0.00	8.66	0.00	229				
BUCKETS, CONCRETE - GAR-BRO														

GENERAL PURPOSE & MANUAL														
1640	433-G 1.0 C.Y.	1,593	0.31		0.09	0.19	0.00			6				
1645	442-G 1.5 C.Y.	1,995	0.40		0.12	0.24	0.00			8				
1650	462-G 2.0 C.Y.	2,587	0.51		0.15	0.31	0.00			11				
1655	493-G 3.0 C.Y.	3,677	0.72		0.21	0.43	0.00			19				
1660	4123-G 4.0 C.Y.	4,605	0.91		0.27	0.55	0.00			23				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	AVERAGE	SEVERE	STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP				
BUCKETS, CONCRETE - GAR-BRO (CONT'D) *****												
LOW SLUMP - AIR OPERATED GATE												
1670	440-A 1.0 C.Y.	6,565	1.29			0.38	0.77	0.00	19			
1675	450-A 1.5 C.Y.	6,834	1.34			0.40	0.80	0.00	21			
1680	460-A 2.0 C.Y.	7,108	1.39			0.41	0.83	0.00	23			
1685	493-A 3.0 C.Y.	9,420	1.85			0.55	1.11	0.00	42			
1690	4139-A 4.0 C.Y.	9,863	1.93			0.58	1.16	0.00	52			
1695	4200-A 6.0 C.Y. DBL. COMPT.	14,223	2.79			0.82	1.67	0.00	72			
1700	4250-A 8.0 C.Y. DBL. COMPT.	16,970	3.33			0.99	2.00	0.00	80			
LAYDOWN - HEAVY DUTY - AIR GATE												
1710	425-A 1.0 C.Y.	7,457	1.47			0.44	0.88	0.00	26			
1715	465-A 2.0 C.Y.	8,342	1.63			0.49	0.98	0.00	31			
1720	495-A 3.0 C.Y.	9,700	1.90			0.56	1.14	0.00	40			
1725	4125-A 4.0 C.Y.	10,831	2.12			0.63	1.27	0.00	49			
1730	4155-A 5.0 C.Y.	12,704	2.50			0.74	1.50	0.00	60			
BUCKETS, DRAGLINE *****												
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED												
1745	.75 C.Y.	3,556	0.71	0.92	0.21	0.43	0.00	0.52	0.00			
1750	1.0 C.Y.	4,221	0.85	1.08	0.25	0.52	0.00	0.61	0.00			
1755	1.5 C.Y.	5,187	1.04	1.33	0.30	0.63	0.00	0.75	0.00			
1760	2.0 C.Y.	6,136	1.23	1.57	0.36	0.75	0.00	0.88	0.00			
1765	2.5 C.Y.	7,203	1.45	1.84	0.42	0.88	0.00	1.03	0.00			
1770	3.0 C.Y.	8,885	1.78	2.28	0.52	1.08	0.00	1.28	0.00			
1775	3.5 C.Y.	9,818	1.96	2.51	0.57	1.19	0.00	1.41	0.00			
1780	4.0 C.Y.	11,995	2.39	3.07	0.69	1.45	0.00	1.73	0.00			
1785	4.5 C.Y.	12,735	2.55	3.26	0.74	1.55	0.00	1.83	0.00			
1790	5.0 C.Y.	15,388	3.08	3.94	0.90	1.87	0.00	2.22	0.00			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
BUCKETS, DRAGLINE (CONT'D) *****													
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED (CONT'D)													
1795	6.0 C.Y.	16,662	3.34	4.26	0.97	2.03	0.00	2.39	0.00	90			
1800	7.0 C.Y.	18,238	3.65	4.66	1.07	2.22	0.00	2.62	0.00	101			
1805	8.0 C.Y.	20,219	4.05	5.18	1.18	2.46	0.00	2.91	0.00	112			
1810	9.0 C.Y.	23,342	4.66	5.98	1.35	2.83	0.00	3.36	0.00	128			
1815	10.0 C.Y.	25,367	5.08	6.49	1.48	3.09	0.00	3.65	0.00	139			
1820	12.0 C.Y.	31,143	6.22	7.97	1.81	3.78	0.00	4.48	0.00	166			
1825	14.0 C.Y.	35,810	7.17	9.16	2.09	4.36	0.00	5.15	0.00	191			
HENDRIX - MODEL TS, MEDIUM WEIGHT													
1835	.75 C.Y.	4,141	0.82	1.06	0.24	0.50	0.00	0.60	0.00	17			
1840	1.0 C.Y.	5,077	1.02	1.30	0.30	0.62	0.00	0.73	0.00	19			
1845	1.5 C.Y.	6,295	1.25	1.62	0.36	0.76	0.00	0.91	0.00	28			
1850	2.0 C.Y.	7,527	1.51	1.93	0.44	0.92	0.00	1.09	0.00	36			
1855	2.5 C.Y.	8,674	1.73	2.22	0.50	1.05	0.00	1.25	0.00	41			
1860	3.0 C.Y.	10,371	2.07	2.65	0.60	1.26	0.00	1.49	0.00	49			
1865	3.5 C.Y.	11,452	2.29	2.93	0.66	1.39	0.00	1.65	0.00	54			
1870	4.0 C.Y.	13,789	2.76	3.53	0.80	1.68	0.00	1.98	0.00	70			
1875	4.5 C.Y.	14,724	2.96	3.77	0.86	1.80	0.00	2.12	0.00	72			
1880	5.0 C.Y.	18,879	3.78	4.84	1.10	2.30	0.00	2.72	0.00	93			
1885	6.0 C.Y.	19,509	3.90	4.99	1.13	2.37	0.00	2.80	0.00	96			
1890	7.0 C.Y.	22,279	4.46	5.71	1.30	2.71	0.00	3.21	0.00	111			
1895	8.0 C.Y.	24,527	4.90	6.27	1.43	2.98	0.00	3.52	0.00	122			
1900	9.0 C.Y.	29,384	5.89	7.52	1.71	3.58	0.00	4.23	0.00	149			
1905	10.0 C.Y.	31,295	6.27	8.01	1.82	3.81	0.00	4.50	0.00	159			
1910	12.0 C.Y.	39,881	7.98	10.21	2.32	4.85	0.00	5.74	0.00	202			
1915	14.0 C.Y.	44,408	8.88	11.36	2.58	5.40	0.00	6.38	0.00	225			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
BUCKETS, DRAGLINE (CONT'D) *****														
HENDRIX - MODEL MH-S, HEAVY WEIGHT														
1925	2.75 C.Y.	16,560	3.31	4.24	0.96	2.01	0.00	2.38	0.00	69				
1930	3.0 C.Y.	17,224	3.45	4.41	1.01	2.10	0.00	2.48	0.00	72				
1935	3.5 C.Y.	19,288	3.85	4.93	1.12	2.34	0.00	2.77	0.00	81				
1940	4.0 C.Y.	25,812	5.17	6.60	1.51	3.14	0.00	3.71	0.00	110				
1945	4.5 C.Y.	28,857	5.77	7.38	1.68	3.51	0.00	4.15	0.00	123				
1950	5.0 C.Y.	29,799	5.96	7.62	1.73	3.62	0.00	4.28	0.00	127				
1955	6.0 C.Y.	31,912	6.38	8.16	1.86	3.88	0.00	4.58	0.00	136				
1960	7.0 C.Y.	40,589	8.11	10.38	2.36	4.93	0.00	5.83	0.00	175				
1965	8.0 C.Y.	41,745	8.36	10.68	2.43	5.08	0.00	6.00	0.00	180				
1970	9.0 C.Y.	53,127	10.63	13.60	3.09	6.46	0.00	7.64	0.00	234				
1975	10.0 C.Y.	54,914	10.98	14.06	3.19	6.67	0.00	7.90	0.00	243				
1980	12.0 C.Y.	65,312	13.06	16.71	3.80	7.94	0.00	9.39	0.00	289				
1985	14.0 C.Y.	69,033	13.82	17.67	4.02	8.40	0.00	9.93	0.00	309				
SAUERMAN - CRESCENT SCRAPER														
WITH DRAGLINE CONVERSION KIT														
1995	SC-1050-K 1.0 C.Y.	9,829	1.96	2.51	0.57	1.19	0.00	1.41	0.00	15				
2000	SC-1060-K 1.5 C.Y.	12,594	2.53	3.22	0.74	1.54	0.00	1.81	0.00	20				
2005	SC-1070-K 2.0 C.Y.	17,244	3.45	4.41	1.01	2.10	0.00	2.48	0.00	25				
2010	SC-1090-K 3.0 C.Y.	22,832	4.57	5.84	1.33	2.78	0.00	3.28	0.00	36				
2015	SC-1100-K 4.0 C.Y.	34,093	6.82	8.72	1.98	4.14	0.00	4.90	0.00	49				
2020	SC-1110-K 5.0 C.Y.	38,890	7.78	9.95	2.26	4.73	0.00	5.59	0.00	58				
2025	SC-1120-K 6.0 C.Y.	47,118	9.42	12.05	2.74	5.72	0.00	6.77	0.00	68				
2030	SC-1130-K 8.0 C.Y.	57,286	11.46	14.66	3.33	6.96	0.00	8.24	0.00	88				
2035	SC-1140-K 10.0 C.Y.	69,500	13.90	17.79	4.04	8.45	0.00	10.00	0.00	106				
2040	SC-1150-K 12.0 C.Y.	80,696	16.14	20.65	4.70	9.81	0.00	11.60	0.00	132				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
COMPACTORS, MANUALLY OPERATED *****											
2050	UR-12 INGERSOLL-RAND RAMMER	3 HP G	1,714	1.11		0.13	0.30	0.34		1	
2055	GVR75Y WACKER RAMMER	3 HP G	1,351	0.97		0.11	0.24	0.34		1	
2060	GVR100 WACKER RAMMER	5 HP G	1,831	1.42		0.13	0.31	0.56		1	
2065	GVR151Y WACKER RAMMER	5 HP G	2,375	1.64		0.18	0.41	0.56		2	
2070	GVR220Y WACKER RAMMER	6 HP G	3,064	2.06		0.23	0.53	0.67		2	
2075	VPG160B WACKER VIBRO PLATE	3 HP G	1,195	0.90		0.09	0.21	0.34		2	
2080	VPG260K WACKER VIBRO PLATE	7 HP G	1,871	1.73		0.14	0.33	0.78		3	
2085	BT-50 BOMAG TAMPING	4 HP G	1,780	1.27		0.13	0.30	0.45		1	
2090	BT-70 BOMAG TAMPING	4 HP G	2,224	1.45		0.16	0.38	0.45		2	
2095	BP-11K BOMAG VIBRO PLATE	4 HP G	1,537	1.17		0.11	0.26	0.45		3	
2100	BP-19/75 BOMAG VIBRO PLATE	5 HP D	3,172	1.57		0.24	0.55	0.24		4	
2105	BP-30 BOMAG VIBRO PLATE	5 HP D	5,428	2.48		0.40	0.94	0.24			
2110	BP-50 BOMAG VIBRO PLATE	5 HP D	9,486	4.10		0.70	1.64	0.24		9	
2115	BW-75E BOMAG WALK BEHIND S/D	5 HP D	7,358	3.25		0.54	1.27	0.24		10	
2120	BW-35 BOMAG WALK BEHIND D/D	4 HP D	9,127	3.89		0.67	1.57	0.19		11	
2125	BW-60SE BOMAG D/D ROLLER	8 HP D	12,680	5.55		0.94	2.19	0.38		20	
2130	BW-90SE BOMAG D/D ROLLER	13 HP D	15,760	7.07		1.16	2.72	0.61		30	
2135	VPG600 WACKER VIBRO PLATE	9 HP G	3,527	2.65		0.26	0.60	1.01		7	
2140	DPS2350 WACKER VIBRO PLATE	7 HP D	3,703	1.89		0.27	0.64	0.33		4	
2145	DPS4570 WACKER VIBRO PLATE	10 HP D	5,956	2.97		0.44	1.03	0.47		8	
2150	DVU4001 WACKER VIBRO PLATE	10 HP D	12,163	5.45		0.90	2.10	0.47		13	
2155	W 55 T WACKER D/D ROLLER	8 HP D	11,735	5.17		0.87	2.03	0.38		17	
2160	W 74 T WACKER D/D ROLLER	8 HP D	13,239	5.78		0.98	2.29	0.38		19	
CONCRETE BUGGIES - AEROIL *****											
2170	5 CF WALK-BEHIND	5 HP G	1,790	1.15		0.14	0.30	0.44		3	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	OWNER-SHIP	
CONCRETE FINISHERS - BOMAG										
2180	MOD F46B4 GYRO TROWEL	7 HP G	1,471	1.27			0.11	0.24	0.61	2
2185	MOD RF2B4 DOUBLTROWEL	16 HP G	5,799	3.68			0.42	0.96	1.40	7
2190	MOD RF3B3 TRIPLTROWEL	16 HP G	7,476	4.21			0.54	1.23	1.40	9
CONCRETE MIXERS										
2200	PORTABLE CONCRETE MIXER 2.5 CF	1 HP E	689	0.31			0.05	0.10	0.07	2
2205	PORTABLE CONCRETE MIXER 3.5 CF	1 HP E	715	0.31			0.05	0.10	0.07	3
2210	PORTABLE CONCRETE MIXER 6.0 CF	7 HP G	2,128	1.48			0.15	0.34	0.61	7
2215	PORTABLE MORTAR MIXER 6.0 CF	7 HP G	1,708	1.33			0.12	0.26	0.61	6
CONCRETE PAVERS										
CMI										
2225	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANES, AND SIDEWALKS	142 HP D	133,701	35.39			7.77	15.73	4.80	263
2230	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP D	235,857	60.59			13.70	27.74	7.03	470
2235	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	415,319	101.67			24.13	48.86	8.45	720
GOMACO										
2245	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP G	27,561	13.01			1.59	3.22	5.28	91
2250	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	121,815	30.98			7.08	14.33	3.38	240
CONCRETE PLACERS, SHOTCRETE										
ALLENTOWN										
2260	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP D	25,464	7.52			1.62	3.48	0.60	45
2265	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP D	28,917	8.96			1.85	3.98	1.00	60

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	CONCRETE PLACERS, SHOTCRETE (CONT'D) *****										
	ALLENTOWN (CONT'D)										
2270	GR600 ROTARY GUN 1-6 CY/HR INCL. HOSE, REQ. 550 CFM COMP.	550CFM A	8,353	2.41		0.53	1.13	0.00		9	
2275	GRL200 ROTARY GUN 4-12 CY/HR INCL. HOSE, REQ. 770 CFM COMP.	770CFM A	16,473	4.69		1.05	2.26	0.00		18	
	CHALLENGE SQUEEZ-CRETE										
2285	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP D	44,867	15.87		2.87	6.19	3.09		70	
	CONCRETE PUMPS *****										
	MORGEN										
2295	MOD 204-305 TRAILER MTD 60 CY/HR 100 HP D	60 CY/HR 100 HP D	57,820	21.72		3.70	7.98	4.98		70	
2300	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	120 CY/HR 210 HP D	145,827	55.45		9.30	20.05	13.05		255	
	SCHWING										
2310	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	60 CY/HR 67 HP D	45,687	16.39		2.92	6.30	3.34		66	
2315	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	60 CY/HR 152 HP D	71,427	28.63		4.55	9.79	7.58		98	
2320	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	135 CY/HR 152 HP D	73,369	29.16		4.68	10.07	7.58		98	
2325	MOD BP 3000 TRAILER MTD 127 CY/HR 177 HP D	127 CY/HR 177 HP D	97,168	37.08		6.21	13.40	8.82		130	
2330	MOD BP 5000 TRAILER MTD 151 CY/HR 300 HP D	151 CY/HR 300 HP D	124,661	52.23		7.97	17.20	14.95		150	
2335	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	72 CY/HR 175 HP D	153,950	54.89		9.78	21.00	10.88		302	
2340	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	107 CY/HR 175 HP D	223,642	73.40		14.24	30.63	10.88		321	
2345	MOD BPL1200 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	147 CY/HR 239 HP D	279,520	93.36		17.80	38.27	14.86		408	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CONCRETE SAWS *****														
PELKER (SAWBLADE WEAR NOT INCLUDED)														
2355	MOD 8KCC	5" DEPTH OF CUT 8 HP G	1,722	1.65		0.11	0.24	0.90		3				
2360	MOD 12WCC	5" DEPTH OF CUT 12 HP G	1,916	2.28		0.13	0.27	1.34		3				
2365	MOD 14TCC	5" DEPTH OF CUT 14 HP G	1,970	2.60		0.13	0.28	1.57		3				
2370	MOD 140MR	8" DEPTH OF CUT 14 HP G	4,189	3.17		0.26	0.57	1.57		6				
2375	MOD 185MR	8" DEPTH OF CUT 18 HP G	5,324	4.07		0.34	0.74	2.01		7				
2380	MOD 250MR	8" DEPTH OF CUT 23 HP G	5,397	4.82		0.34	0.74	2.57		7				
2385	MOD 30MCA	10" DEPTH OF CUT 30 HP G	8,623	6.72		0.55	1.19	3.36		12				
2390	MOD 665MCA	15" DEPTH OF CUT 65 HP G	11,611	12.70		0.75	1.61	7.28		14				
CRANES, SHOVEL, BACKHOE, DRAGLINE *****														
AMERICAN - CRAWLER TYPE														
	MOD 4120 DRAGLINE 1 CY 13'-7" CRAWLERS W/28" SHOES	93 HP D												
2400	DRAGLINE OR CLAMSHELL (LESS BUCKET)		200,604	37.41	46.03	10.87	20.78	2.48	23.55	3.15 648				
	MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES													
2405	DRAGLINE OR CLAMSHELL (LESS BUCKET)		278,308	45.57	53.96	13.98	24.98	3.04	27.34	3.86 814				
2410	CRANE 35-T W/65' BOOM		280,006	41.92	48.51	14.07	25.14	2.44	27.52	3.15 803				
	MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES													
2420	CRANE 50-T W/75' BOOM		305,420	45.46	52.56	15.35	27.42	2.44	30.01	3.15 962				
	MOD 5299-A LIFTING CRANE T/C 114 HP D 17'-6" CRAWLERS W/32" SHOES													
2430	CRANE 60-T W/80' BOOM		321,234	47.66	55.08	16.14	28.84	2.44	31.56	3.15 1088				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	OWNER-SHIP	FUEL	AVERAGE COND.	SEVERE COND.	
			AVERAGE	SEVERE						
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	AMERICAN - CRAWLER TYPE (CONT'D)									
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2440	DRAGLINE OR CLAMSHELL (LESS BUCKET)	381,036	62.79	74.37	19.14	34.20	4.49	37.44	5.68	1278
2445	CRANE 40-T W/75' BOOM	372,987	56.24	65.15	18.74	33.48	3.59	36.65	4.64	1262
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2455	CRANE 60-T W/80' BOOM	395,449	55.05	62.36	18.83	31.86	3.59	34.13	4.64	1421
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES									
2465	CRANE 100T W/200' BOOM	489,458	67.09	75.84	23.31	39.43	3.59	42.24	4.64	1886
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2475	CRANE 110-T W/200' BOOM	642,812	89.83	101.83	30.61	51.78	6.13	55.48	7.92	2792
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2485	CRANE 125T W/270' BOOM	680,924	94.73	107.29	32.43	54.86	6.13	58.77	7.92	3150
2490	DRAGLINE OR CLAMSHELL (LESS BUCKET)	646,295	98.31	113.74	30.78	52.07	7.66	55.78	9.71	2950
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES									
2500	CRANE 150T W/280' BOOM	750,391	103.62	117.26	35.73	60.45	6.13	64.77	7.92	3400
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES									
2510	CRANE 165T W/290' BOOM	788,782	105.78	118.38	36.53	59.91	6.13	63.54	7.92	3580
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES									
2520	CRANE 225T W/280' BOOM	844,043	112.65	125.98	39.08	64.10	6.13	67.99	7.92	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. OWNER-SHIP	SEVERE COND. OWNER-SHIP				
			AVERAGE	SEVERE							
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****										
	BUCYRUS ERIE - CRAWLER TYPE										
	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES										
2535	DRAGLINE OR CLAMSHELL (LESS BUCKET)	212,318	40.18	49.44	11.50	21.99	3.07	24.92	3.89	647	
2540	CRANE 28-T W/50' BOOM	216,953	33.15	38.45	10.90	19.47	2.46	21.32	3.17	651	
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES										
2550	BACKHOE	274,570	62.70	80.26	15.96	32.24	4.49	37.92	5.90	792	
2555	DRAGLINE OR CLAMSHELL (LESS BUCKET)	305,900	50.69	60.07	15.37	27.46	3.84	30.06	4.87	833	
2560	CRANE 35-T W/60' BOOM	307,465	46.50	53.88	15.44	27.59	3.08	30.22	3.97	831	
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES										
2570	SHOVEL	390,882	88.23	112.94	22.72	45.89	5.54	53.99	7.29	1279	
2575	DRAGLINE OR CLAMSHELL (LESS BUCKET)	400,691	66.06	78.26	20.13	35.97	4.75	39.38	6.02	1192	
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES										
2585	SHOVEL	559,274	115.33	141.97	30.19	59.66	6.39	67.89	8.39	1762	
2590	BACKHOE	535,301	110.71	136.32	28.89	57.09	6.39	64.98	8.39	1727	
2595	DRAGLINE OR CLAMSHELL (LESS BUCKET)	553,151	82.79	95.66	26.33	44.55	5.47	47.74	6.93	1570	
2600	CRANE 51-T W/70' BOOM	541,137	74.67	84.49	25.76	43.59	4.38	46.71	5.66	1571	
	MOD 61-B SER-2 110-T 4 CY T/C 243 HP D 20'-6" CRAWLERS W/42" SHOES										
2610	CRANE 110T W/160' BOOM	681,092	93.58	105.82	32.43	54.86	5.19	58.78	6.70	2123	
2615	DRAGLINE OR CLAMSHELL (LESS BUCKET)	650,952	97.51	112.65	31.00	52.44	6.49	56.18	8.22	1973	
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES										
2625	SHOVEL	673,878	138.92	171.01	36.38	71.88	7.66	81.80	10.07	2096	
2630	BACKHOE	637,394	131.90	162.43	34.40	67.98	7.66	77.38	10.07	2000	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	BUCYRUS ERIE - CRAWLER TYPE (CONT'D)									
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2635	DRAGLINE OR CLAMSHELL (LESS BUCKET)	604,455	91.21	105.45	28.78	48.69	6.57	52.18	8.32	1820
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES									
2645	SHOVEL	956,586	191.85	229.75	48.77	91.96	11.37	102.03	14.94	2822
2650	DRAGLINE OR CLAMSHELL (LESS BUCKET)	787,244	116.81	133.64	36.45	59.79	9.75	63.42	12.34	2274
	LINK BELT - CRAWLER TYPE									
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/24" SHOES									
2665	CRANE 40-T W/50' BOOM	203,317	31.14	36.12	10.22	18.26	2.35	19.98	3.03	772
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES									
2675	CRANE 60-T W/80' BOOM	324,870	45.92	52.13	15.47	26.17	3.52	28.04	4.55	1232
	MOD LS-338 LIFTING CRANE T/C 170 HP D 20'-0" CRAWLERS W/38" SHOES									
2685	CRANE 100-T W/200' BOOM	454,573	62.66	70.89	21.64	36.61	3.63	39.23	4.69	1512
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W/44" SHOES									
2695	CRANE 150-T W/250' BOOM	687,743	94.50	106.86	32.75	55.41	5.23	59.36	6.76	2712
	MANITOWOC - CRAWLER TYPE									
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES									
2710	DRAGLINE OR CLAMSHELL (LESS BUCKET)	453,057	71.71	83.28	21.58	36.50	7.66	39.11	9.71	2306
2715	CRANE 100T W/210' BOOM	490,191	70.28	79.95	23.34	39.49	6.13	42.31	7.92	2354

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	MANITOWOC - CRAWLER TYPE (CONT'D)									
	MOD 3900W VICON SER2 4 CY T/C 300 HP D 24'-0" CRAWLERS W/48" SHOES									
2725	DRAGLINE OR CLAMSHELL (LESS BUCKET)	576,514	89.11	103.27	27.45	46.44	8.01	49.76	10.15	2763
2730	CRANE 140T W/250' BOOM	583,944	82.63	93.83	27.80	47.04	6.41	50.40	8.28	2815
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
2740	DRAGLINE OR CLAMSHELL (LESS BUCKET)	767,097	117.29	135.80	36.52	61.79	9.61	66.21	12.18	3788
2745	CRANE 200T W/260' BOOM	776,590	106.19	119.19	35.96	58.98	7.69	62.56	9.93	3929
	MOD 4600 VICON SERIES 3 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
2755	CRANE 240T W/260' BOOM	1,211,587	168.94	190.19	56.10	92.02	14.63	97.60	18.90	5200
2760	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,231,561	186.51	213.85	57.03	93.54	18.29	99.21	23.17	5100
	NORTHWEST - CRAWLER TYPE									
	MOD 50-D 1.5 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES									
2775	DRAGLINE OR CLAMSHELL (LESS BUCKET)	283,754	50.36	59.97	14.26	25.47	6.35	27.89	8.05	954
2780	CRANE 45-T W/60' BOOM	280,587	45.17	52.70	14.10	25.19	5.08	27.57	6.57	947
	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
2790	SHOVEL	478,993	109.80	140.58	27.83	56.23	8.19	66.15	10.77	1510
2795	DRAGLINE OR CLAMSHELL (LESS BUCKET)	406,962	69.73	82.82	20.44	36.53	7.02	39.99	8.89	1274
2800	CRANE 40-T W/50' BOOM	402,790	62.82	73.05	20.24	36.16	5.62	39.58	7.26	1267
	MOD 9570 4.0 CY T/C 263 HP D 19'-0" CRAWLERS W/38" SHOES									
2810	DRAGLINE OR CLAMSHELL (LESS BUCKET)	476,330	74.12	85.95	22.68	38.37	7.02	41.12	8.89	1580
2815	CRANE 60-T W/50' BOOM	472,147	67.36	76.56	22.49	38.04	5.62	40.75	7.26	1565

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****								
	NORTHWEST - CRAWLER TYPE (CONT'D)								
	MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES								
2825	SHOVEL	789,214	165.35	203.77	42.60	84.18	11.15	95.80	14.66
2830	DRAGLINE OR CLAMSHELL (LESS BUCKET)	707,818	109.08	126.36	33.70	57.02	9.56	61.09	12.11
2835	CRANE 97.5-T W/170' BOOM	731,366	103.02	116.92	34.82	58.91	7.65	63.13	9.88
	MOD 190-D WT SERIES 3 T/C 456 HP D 21'-1" CRAWLERS W/54" SHOES								
2845	DRAGLINE 6.5 CY (LESS BUCKET)	722,447	111.20	127.72	33.45	54.87	12.18	58.20	15.42
2850	CRANE 100-T W/170' BOOM	749,084	107.85	122.75	35.67	60.34	9.74	64.65	12.58
	P & H - CRAWLER TYPE								
	MOD 5060 1.75 CY T/C 140 HP D 19'-8" CRAWLERS W/30" SHOES								
2865	DRAGLINE (LESS BUCKET)	311,399	51.40	60.89	15.64	27.95	3.74	30.60	4.73
2870	CRANE 60-T W/80' BOOM	317,334	44.31	50.21	15.12	25.57	2.99	27.39	3.86
	MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES								
2880	DRAGLINE OR CLAMSHELL (LESS BUCKET)	389,036	64.95	77.01	19.55	34.92	5.29	38.23	6.70
2885	CRANE 70-T W/150' BOOM	399,401	56.33	63.93	19.02	32.17	4.23	34.47	5.46
	MOD 5100 3 CY T/C 236 HP D 21'-6" CRAWLERS W/36" SHOES								
2890	DRAGLINE OR CLAMSHELL (LESS BUCKET)	468,689	72.19	83.64	22.32	37.75	6.30	40.46	7.98
2895	CRANE 100-T W/210' BOOM	485,572	68.36	77.56	23.12	39.12	5.04	41.91	6.51
	MOD 5300A LIFTING CRANE T/C 378 HP D 32'-8" CRAWLERS W/48" SHOES								
2900	CRANE 300-T W/320' BOOM	1,454,989	191.10	213.17	67.37	110.50	8.07	117.20	10.43

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			
CRANES, HYDRAULIC SELF-PROPELLED *****												
GROVE												
2910	MOD RT58A	14 TON	112 HP D	113,312	21.19	5.47	9.77	3.79	410			
2915	MOD RT515	15 TON	115 HP D	121,431	22.44	5.86	10.48	3.89	418			
2920	MOD RT518	18 TON	115 HP D	136,122	24.68	6.55	11.69	3.89	452			
2925	MOD RT522	22 TON	115 HP D	148,992	26.50	7.18	12.82	3.89	498			
2930	MOD RT625	25 TON	156 HP D	198,434	34.81	9.57	17.11	5.28	560			
2935	MOD RT740	40 TON	170 HP D	275,032	47.28	13.23	23.57	5.75	758			
2940	MOD RT755	55 TON	170 HP D	327,840	55.13	15.75	28.01	5.75	839			
2945	MOD RT865	65 TON	208 HP D	403,780	67.49	19.43	34.65	7.03	1100			
2950	MOD RT980	80 TON	230 HP D	521,083	85.86	25.03	44.53	7.78	1320			
2955	MOD RT1650	165 TON	512 HP D	983,336	164.57	47.32	84.38	17.32	2400			
LORAIN												
2965	MOD LRT150	15 TON	114 HP D	115,872	21.39	5.61	10.08	3.86	438			
2970	MOD LRT180	18 TON	121 HP D	123,664	22.77	5.99	10.77	4.09	450			
2975	MOD LRT330	33 TON	180 HP D	192,435	35.65	9.26	16.53	6.09	570			
P & H												
2985	MOD OMEGA 15	15 TON	125 HP D	117,122	22.06	5.68	10.20	4.23	364			
2990	MOD OMEGA 18	18 TON	125 HP D	120,406	22.50	5.83	10.48	4.23	370			
2995	MOD OMEGA 20	20 TON	125 HP D	124,603	23.08	6.04	10.85	4.23	380			
3000	MOD OMEGA 23	23 TON	125 HP D	142,226	25.79	6.87	12.31	4.23	425			
3005	MOD OMEGA 25	25 TON	155 HP D	181,126	32.70	8.74	15.65	5.24	540			
3010	MOD OMEGA 30	30 TON	155 HP D	186,454	33.44	9.00	16.12	5.24	550			
3015	MOD OMEGA 35	35 TON	155 HP D	192,751	34.31	9.32	16.68	5.24	560			
3020	MOD OMEGA 40	40 TON	202 HP D	258,066	46.35	12.41	22.08	6.83	760			
3025	MOD OMEGA 45	45 TON	202 HP D	267,097	47.59	12.84	22.87	6.83	770			
3030	MOD OMEGA 50	50 TON	202 HP D	277,020	48.97	13.33	23.75	6.83	780			
3035	MOD OMEGA 65	65 TON	235 HP D	356,663	62.16	17.14	30.49	7.95	980			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP										
			AVERAGE	SEVERE													
CRANES, HYD SELF-PROPELLED (CONT'D) *****																	
PETTIBONE																	
3045	MOD 16 MK P SERIES	8 TON	118 HP D	104,618	19.95		5.07	9.12	3.99	290							
3050	MOD 20 MK P SERIES	10 TON	118 HP D	107,601	20.43		5.21	9.36	3.99	310							
3055	MOD 25 MK P SERIES	12.5 TON	118 HP D	111,637	20.98		5.41	9.71	3.99	465							
3060	MOD 36 MK P SERIES	18 TON	118 HP D	129,237	23.68		6.24	11.16	3.99	500							
3065	MOD 100SC	50 TON	188 HP D	290,205	50.17		13.97	24.91	6.36	1050							
CRANES, HYDRAULIC TRUCK MOUNTED ***** (HP & FUEL LISTED EQUIP/CARRIER)																	
BUCYRUS ERIE																	
3075	30-XC	30 TON W/80' BOOM	130/210 HP D/D	208,964	32.92	38.12	9.76	16.94	5.80	18.20							
3080	60-XC	60 TON W/104' BOOM	197/238 HP D/D	360,984	54.41	62.79	16.90	29.38	8.25	31.56							
GROVE																	
3090	TMS185	18 TON W/106' BOOM	172 HP D	199,308	34.14	40.56	9.88	18.15	5.82	19.94							
3095	TMS300	35 TON W/112' BOOM	203 HP D	240,976	38.25	44.63	11.26	19.52	6.87	20.97							
3100	TMS475	50 TON W/142' BOOM	213 HP D	299,864	45.75	53.11	14.03	24.36	7.20	26.16							
3105	TM875	80 TON W/146' BOOM	196/268 HP D/D	444,535	64.43	73.52	20.11	33.70	8.41	35.81							
3110	TM1150	115 TON W/172' BOOM	196/315 HP D/D	683,591	92.83	104.99	31.01	52.15	8.73	55.45							
3115	TM1400	140 TON W/173' BOOM	318/387 HP D/D	803,108	110.40	124.56	36.15	57.25	13.33	60.21							
LINK BELT (FMC)																	
3125	HTC-25	25 TON W/95' BOOM	216 HP D	197,214	35.96	43.00	9.77	17.93	7.31	19.69							
3130	HTC-35	35 TON W/108' BOOM	216 HP D	231,510	37.50	43.88	10.84	18.83	7.31	20.22							
3135	HTC-50	50 TON W/122' BOOM	244 HP D	281,924	44.82	52.33	13.19	22.92	8.25	24.63							
PETTIBONE																	
3145	50TKLSPC 25 TON W/98' BOOM	210 HP D	204,384	36.55	43.61	10.13	18.62	7.10	20.45	9.34							
3150	80TKLS 40 TON W/112' BOOM	244 HP D	259,742	42.22	49.43	12.14	21.08	8.25	22.64	10.86							
3155	110 TK P 55 TON W/114' BOOM	238 HP D	281,066	44.52	51.97	13.15	22.83	8.05	24.53	10.59							
										830							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	CRANES, HYDRAULIC TRUCK MTD (CONT'D) ***** (HP & FUEL LISTED EQUIP/CARRIER)										
	PETTIBONE (CONT'D)										
3160	160TKLSPC80 TON W/118' BOOM 365 HP D	455,730	70.69	81.83	20.63	34.57	12.34	36.74	16.24	1395	
	CRANES, TRUCK MOUNTED ***** (HP & FUEL LISTED EQUIP/CARRIER)										
	AMERICAN										
3170	5470 65 TON W/170' BOOM 115/238 HP D/D	382,642	54.01	61.76	17.87	30.96	5.47	33.26	6.97	1175	
3175	5530 75 TON W/170' BOOM 115/238 HP D/D	394,390	54.27	61.43	17.88	30.04	5.47	31.92	6.97	1245	
3180	7460 90 TON W/200' BOOM 213/230 HP D/D	484,142	68.89	78.50	21.97	36.96	8.74	39.30	11.27	1503	
3185	7530 125 TON W/220' BOOM 213/350 HP D/D	553,837	78.38	89.12	25.12	42.23	9.53	44.90	12.20	1696	
3190	8460 165 TON W/240' BOOM 268/350 HP D/D	774,575	103.94	116.84	34.92	55.44	11.39	58.31	14.65	2320	
3195	9460 220 TON W/260' BOOM 287/450 HP D/D	1,041,952	137.96	154.72	46.86	74.12	12.70	77.94	16.27	3480	
	LINK BELT (FMC)										
3205	HC108C 50 TON W/150' BOOM 110/238 HP D/D	348,064	49.65	56.81	16.24	28.12	5.31	30.20	6.74	1197	
3210	HC218A 100 TON W/220' BOOM 165/318 HP D/D	531,107	73.23	82.92	24.10	40.55	7.70	43.10	9.81	1688	
3215	HC238A 140 TON W/230' BOOM 171/318 HP D/D	620,774	82.04	91.94	27.96	44.33	7.90	46.63	10.08	2220	
	LORAIN										
3225	MC670A 70 TON W/170' BOOM 150/250 HP D/D	402,287	56.78	64.53	18.24	30.64	6.74	32.57	8.62	1243	
3230	MC790 90 TON W/220' BOOM 210/270 HP D/D	492,250	70.19	79.94	22.33	37.55	8.90	39.91	11.44	1594	
3235	MC1400 140 TON W/230' BOOM 220/290 HP D/D	600,264	81.57	91.80	27.03	42.85	9.37	45.05	12.04	1950	
	P & H										
3245	325TC 25 TON W/110' BOOM 83/190 HP D/D	249,967	38.45	44.90	12.39	22.76	4.07	25.00	5.17	645	
3250	430ATC 35 TON W/150' BOOM 86/210 HP D/D	279,812	39.58	45.23	13.09	22.76	4.31	24.45	5.46	763	
3255	440TC 40 TON W/170' BOOM 90/228 HP D/D	313,836	44.14	50.41	14.68	25.49	4.56	27.39	5.78	964	
3260	650ATC 50 TON W/150' BOOM 135/236 HP D/D	404,567	57.49	65.81	18.89	32.76	6.14	35.19	7.84	1222	
3265	670TC 70 TON W/180' BOOM 135/255 HP D/D	444,209	61.10	69.19	20.15	33.88	6.26	36.02	7.99	1440	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CRANES, TRUCK MOUNTED (CONT'D) ***** (HP & FUEL LISTED EQUIP/CARRIER)														
P & H (CONT'D)														
3270	790BTC 90 TON W/200' BOOM 160/350 HP D/D	497,918	69.57	78.90	22.57	37.91	7.74	40.31	9.84	1606				
3275	9115 125 TON W/220' BOOM 179/350 HP D/D	608,055	83.30	94.23	27.60	46.43	8.38	49.35	10.68	1709				
3280	9150 150 TON W/270' BOOM 210/350 HP D/D	644,553	86.68	97.40	29.03	46.05	9.43	48.44	12.06	1805				
3285	6250TC 300 TON W/320' BOOM 364/450 HP D/D	1,410,961	182.16	203.61	63.62	101.07	15.31	106.32	19.69	3928				
CRANES, TOWER *****														
AMERICAN PECCO														
MODEL SK135-2 FREE STANDING 60 HP E 7500# @ 132' RADIUS (L-2)														
3295	7-S16 TOWER SECTS=103 FT HIGH	280,367	48.85		13.70	21.71	5.29			740				
OPT. 14'9-1/4" S16 TOWER SECT														
3300	ADD TO BASIC CRANE FOR EA SECT	12,248	1.57		0.60	0.95	0.00			51				
3305	TOP CLIMBING OPT. ADD TO BASIC	45,395	5.82		2.22	3.52	0.00			118				
MODEL SK200 FREE STANDING 105 HP E 10600# @ 143' RADIUS (L-2)														
3310	7-S16 TOWER SECTS=103 FT HIGH	352,475	64.05		17.23	27.30	9.26			883				
14'9-1/4" S16 TOWER SECTION														
3315	ADD TO BASIC CRANE FOR EA SECT	12,248	1.57		0.60	0.95	0.00			51				
3320	TOP CLIMBING OPT. ADD TO BASIC	45,395	5.82		2.22	3.52	0.00			118				
MODEL SK400 FREE STANDING 105 HP E 18500# @ 162' RADIUS (L-2)														
3325	6-S35 TOWER SECTS=116 FT HIGH	431,277	74.15		21.08	33.40	9.26			1216				
OPT. 19'4-1/4" S35 TOWER SECT.														
3330	ADD TO BASIC CRANE FOR EA SECT	15,506	1.99		0.76	1.20	0.00			84				
3335	TOP CLIMBING OPT. ADD TO BASIC	47,042	6.03		2.30	3.64	0.00			223				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	
	CRANES, TOWER (CONT'D) *****								
	AMERICAN PECCO (CONT'D)								
	MODEL SK560 FREE STANDING 165 HP E 24500# @ 170' RADIUS (L-2)								
3340	6-S213 TOWER SECTS=116 FT HIGH	499,398	90.83		24.41	38.68	14.55		1547
	OPT. 19'4-1/4" S213 TOWER SECT								
3345	ADD TO BASIC CRANE FOR EA SECT	16,540	2.12		0.81	1.28	0.00		100
3350	TOP CLIMBING OPT. ADD TO BASIC	89,405	11.47		4.37	6.93	0.00		252
	MODEL SN355 FREE STANDING 165 HP E 12300# @ 165' RADIUS (L-2) WITH LUFFING BOOM								
3355	6-SN35 TOWER SECTS=116 FT HIGH	528,358	94.53		25.82	40.92	14.55		2152
	OPT. 19'4-1/4" SN35 TOWER SECT								
3360	ADD TO BASIC CRANE FOR EA SECT	15,506	1.99		0.76	1.20	0.00		84
3365	TOP CLIMBING OPT. ADD TO BASIC	93,497	11.98		4.57	7.24	0.00		159
	DRILLS, BLAST HOLE, CRAWLER MD *****								
	GARDNER DENVER								
3375	AT3100B/PRL23J 3.0" HOLE 12' FEED 600CFM A	72,068	16.42		4.19	8.50	0.00		91
3380	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	67,912	15.52		3.95	8.01	0.00		93
3385	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	74,920	17.04		4.36	8.84	0.00		95
3390	AT3700A/PR66 ANGLE DRILL 4.0" HOLE 12' FEED	900CFM A	91,438	20.68		5.32	10.79	0.00	146
3395	ATD5100/PR80H ANGLE DRILL 4.5" HOLE 20' FEED	1200CFM A	101,881	23.00		5.93	12.03	0.00	200
	INGERSOLL-RAND								
3405	ECM350/VL140 3.5" HOLE 12' FEED 750CFM A	80,312	18.21		4.66	9.47	0.00		129
3410	ECM350/VL671 4.0" HOLE 12' FEED 900CFM A	87,501	19.83		5.09	10.33	0.00		131
3415	ECM 450Y 3.0" HOLE 12' FEED 100 HP D	122,139	31.66		7.10	14.41	4.18		188

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND. FUEL	SEVERE COND. OWNER-SHIP	
					AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	
	DRILLS, BLAST HOLE, CRLR MTD (CONT'D) *****									
	JOY-SULLIVAN									
3425	MAVRICK/VCR350 2.5" HOLE 12' FEED 450CFM A	40,136	9.21		2.33	4.73	0.00			60
3430	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	70,928	16.19		4.13	8.37	0.00			100
3435	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	83,625	18.94		4.86	9.87	0.00			144
3440	MUSTANG VCR280 5.0" HOLE 20' FEED1200CFM A	103,404	23.33		6.01	12.20	0.00			184
3445	STALLION JH-6 5.5" HOLE 20' FEED 165 HP D	221,412	56.57		12.87	26.13	6.90			300
	DRILLS, CORE, AIR, COLUMN MOUNTED *****									
3455	LONGYEAR 24 WOLVERINE AX 700' 450CFM A	18,157	4.24		1.05	2.14	0.00			12
3460	LONGYEAR 65D EX 600' 400CFM A	11,629	2.83		0.67	1.37	0.00			3
3465	65D ROD PULLER 21" STROKE 400CFM A	1,735	0.63		0.11	0.21	0.00			1
	DRILLS, CORE, SKID MOUNTED *****									
	ACKER									
3475	TEREDO MARK-II NX 1000' MAX 44 HP D	30,743	8.94		1.78	3.62	1.84			40
3480	ACE MODEL C NX 725' MAX 20 HP D	21,018	5.60		1.22	2.48	0.84			45
	LONGYEAR									
3490	MOD 24 STD AX 675' MAX 12 HP G	17,332	5.14		1.01	2.04	1.20			17
3495	MOD 34 NX 1000' MAX 31 HP G	26,448	9.31		1.54	3.12	3.09			38
3500	MOD 34 NX 1000' MAX 40 HP D	31,481	8.89		1.83	3.71	1.67			39
3505	MOD 38 NX 1800' MAX 54 HP D	36,192	10.65		2.10	4.27	2.26			41
3510	MOD 44 NX 2500' MAX 60 HP D	43,474	12.54		2.53	5.13	2.51			56
	SPRAGUE AND HENWOOD									
3520	MOD 37-H NX 400' MAX 18 HP G	18,278	6.05		1.07	2.16	1.79			18
3525	MOD 40-CL NX 1050' MAX 49 HP D	28,297	8.68		1.65	3.34	2.05			27

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL									
			AVERAGE	SEVERE													
DRILLS, ROTARY *****																	
INGERSOLL-RAND																	
3535	MOD DM-25 6 3/4" DRILLMASTER CRL. MOUNTED	210 HP D	251,966	51.42		12.64	22.70	8.78	500								
3540	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	331,306	70.22		16.56	29.62	12.72	550								
3545	MOD TH-60 WATER WELL DRILL TRK. MOUNTED	435 HP D	307,512	73.74		15.38	27.54	18.20	460								
JOY-ROBBINS																	
3555	RRT 35 TK MTD 6-1/4" TO 7-7/8"	225 HP D	300,789	60.88		15.04	26.87	9.41	600								
3560	RRT 50 TK MTD 6-3/4" TO 9-0"	335 HP D	458,921	92.23		22.95	41.02	14.01	860								
3565	RRT 60 TK MTD 6-3/4" TO 9-7/8"	350 HP D	488,281	97.67		24.42	43.66	14.64	960								
3570	RR10S MTD ON D9H 6-3/4" - 9-0"	410 HP D	349,836	78.23		17.55	31.51	17.15	1160								
3575	RR10HD ON D9H 6-3/4" - 10-5/8"	410 HP D	386,771	84.00		19.41	34.85	17.15	1340								
3580	RR10XHD ON 41B 9-7/8" - 12-1/4"	524 HP D	584,000	102.26		26.98	44.47	21.92	1830								
3585	RR12E CRLR MTD 9-0" TO 12-1"	725/450 HP E/E	1,078,172	183.33		49.80	82.09	49.73	2605								
FORK LIFTS *****																	
CATERPILLAR																	
LC = LOAD CENTER																	
3605	M20 ELECT 2000# @ 24" LC	18 HP E	16,734	5.60		0.97	1.94	1.59	54								
3610	M25 ELECT 2500# @ 24" LC	18 HP E	16,822	5.62		0.97	1.94	1.59	54								
3615	MC30 ELECT 3000# @ 24" LC	18 HP E	17,805	5.82		1.02	2.05	1.59	85								
3620	M40B ELECT 4000# @ 24" LC	32 HP E	24,492	8.93		1.42	2.84	2.82	95								
3625	M50B ELECT 5000# @ 24" LC	32 HP E	25,015	9.04		1.45	2.90	2.82	102								
3630	MC60B ELECT 6000# @ 24" LC	47 HP E	27,593	11.47		1.60	3.20	4.15	123								
3635	M70B ELECT 7000# @ 24" LC	53 HP E	34,102	13.51		1.97	3.94	4.67	134								
3640	M80B ELECT 8000# @ 24" LC	53 HP E	35,687	13.83		2.06	4.14	4.67	142								
3645	M100B ELECT 10000# @ 24" LC	53 HP E	37,721	14.20		2.18	4.39	4.67	160								
3650	V30D GAS 3000# @ 24" LC	37 HP G	15,996	6.87		0.92	1.86	3.00	37								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.										
			AVERAGE	SEVERE													
FORK LIFTS (CONT'D)																	

CATERPILLAR (CONT'D)																	
3655	V40C GAS 4000# @ 24" LC	48 HP G	21,246	9.05		1.22	2.44	3.90	41								
3660	V50C GAS 5000# @ 24" LC	48 HP G	21,712	9.17		1.24	2.46	3.90	45								
3665	V60E GAS 6000# @ 24" LC	63 HP G	29,973	12.27		1.73	3.46	5.11	52								
3670	V70E GAS 7000# @ 24" LC	63 HP G	30,328	12.34		1.75	3.50	5.11	56								
3675	V80E GAS 8000# @ 24" LC	63 HP G	31,543	12.57		1.82	3.64	5.11	59								
3680	V110 GAS 11000# @ 24" LC	66 HP G	45,373	15.63		2.62	5.24	5.36	82								
3685	V150 DIESEL 15000# @ 24" LC	70 HP D	48,878	12.61		2.82	5.65	2.37	92								
3690	V180B DIESEL 18000# @ 24" LC	125 HP D	64,706	18.10		3.71	7.39	4.23	114								
3695	V200B DIESEL 20000# @ 24" LC	125 HP D	70,488	19.24		4.04	8.07	4.23	124								
3700	V250B DIESEL 25000# @ 24" LC	125 HP D	72,527	19.62		4.17	8.33	4.23	154								
3705	V300B DIESEL 30000# @ 24" LC	125 HP D	81,360	21.42		4.66	9.29	4.23	165								
3710	R40 DIESEL 4000# @ 24" LC	68 HP D	28,646	8.54		1.64	3.27	2.30	107								
3715	R50 DIESEL 5000# @ 24" LC	68 HP D	29,357	8.68		1.68	3.35	2.30	112								
3720	R60 DIESEL 6000# @ 24" LC	68 HP D	35,468	9.88		2.04	4.07	2.30	128								
3725	R80 DIESEL 8000# @ 24" LC	68 HP D	36,859	10.17		2.11	4.21	2.30	138								
HYSTER - CHALLENGER																	
3735	H30XL 3000# @ 24" LC	63 HP G	16,598	9.66		0.96	1.90	5.11	58								
3740	H60XL 6000# @ 24" LC	80 HP G	23,979	12.82		1.38	2.76	6.49	91								
3745	H110F 11000# @ 24" LC	116 HP G	47,120	20.98		2.71	5.45	9.42	163								
3750	H150H 15000# @ 24" LC	127 HP G	64,433	25.60		3.69	7.36	10.31	234								
3755	H200HS20000# @ 24" LC	PS 127 HP G	74,999	27.66		4.30	8.59	10.31	256								
3760	H250H 25000# @ 24" LC	PS 127 HP G	75,480	27.78		4.32	8.61	10.31	295								
3765	H300B 30000# @ 24" LC	PS 127 HP G	81,099	28.87		4.67	9.33	10.31	360								
3770	H460CS46000# @ 36" LC	PS 190 HP G	165,540	51.96		9.51	19.00	15.42	590								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
GENERATOR SETS, ELECTRIC *****														
CATERPILLAR T = TURBOCHARGED TA = TURBOCHARGED AFTER COOLED														
SKID MOUNTED														
3785	MOD 3304B-T	240/480V 100 KW	148 HP D	17,218	10.15	12.87	1.11	2.47	5.01	2.74	6.59	37		
3790	MOD 3306B-T	240/480V 125 KW	187 HP D	22,552	13.01	16.49	1.46	3.24	6.32	3.60	8.32	46		
3795	MOD 3306B-TA	240/480V 150 KW	220 HP D	24,309	14.80	18.78	1.57	3.49	7.44	3.87	9.79	48		
3800	MOD 3406B-T	240/480V 200 KW	290 HP D	26,133	18.15	23.15	1.69	3.75	9.81	4.17	12.90	57		
3805	MOD 3406B-TA	240/480V 250 KW	370 HP D	29,861	22.35	28.58	1.93	4.29	12.51	4.76	16.46	59		
3810	MOD 3408B-T	240/480V 255 KW	370 HP D	35,507	23.64	30.12	2.29	5.09	12.51	5.66	16.46	77		
3815	MOD 3408B-TA	240/480V 310 KW	450 HP D	39,570	27.94	35.65	2.55	5.68	15.22	6.31	20.02	81		
3820	MOD 3412B-T	240/480V 355 KW	500 HP D	47,793	31.92	40.66	3.08	6.86	16.91	7.62	22.25	91		
3825	MOD 3412B-TA	240/480V 455 KW	650 HP D	64,742	42.09	53.56	4.18	9.29	21.98	10.32	28.92	102		
3830	MOD 3508	240/480V 600 KW	845 HP D	86,325	55.22	70.22	5.57	12.39	28.58	13.75	37.60	140		
3835	MOD 3512	240/480V 900 KW	1250 HP D	117,503	79.33	101.08	7.58	16.86	42.27	18.71	55.62	202		
3840	MOD 3516	480V 1100 KW	1450 HP D	154,134	96.12	122.14	9.94	22.12	49.04	24.55	64.52	256		
KOHLER														
3850	2.25MBM25	PORTABLE 2.25 KW	5 HP G	696	0.67	0.85	0.05	0.10	0.41	0.11	0.53	1		
3855	3.5MM65	PORTABLE 3.50 KW	8 HP G	1,101	1.06	1.35	0.07	0.16	0.65	0.17	0.85	2		
3860	5MM65	PORTABLE 5.00 KW	12 HP G	1,424	1.52	1.96	0.09	0.20	0.97	0.23	1.27	2		
ONAN														
SKID MOUNTED														
3875		120/240V 2.5 KW	6 HP G	1,476	0.96	1.19	0.10	0.22	0.49	0.24	0.63	2		
3880		120/240V 6.5 KW	14 HP G	3,311	2.17	2.75	0.22	0.48	1.14	0.53	1.48	3		
3885		120/240V 10.0 KW	20 HP G	3,624	2.84	3.62	0.24	0.52	1.62	0.58	2.12	4		
3890		120/240V 3.0 KW	6 HP D	3,836	1.13	1.38	0.25	0.55	0.20	0.61	0.27	4		
3895		120/240V 6.0 KW	12 HP D	5,089	1.68	2.05	0.33	0.73	0.41	0.81	0.53	5		
3900		120/240V 12.0 KW	22 HP D	7,323	2.60	3.21	0.47	1.05	0.74	1.16	0.98	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															
GENERATOR SETS, ELECTRIC (CONT'D) *****																			
ONAN (CONT'D)																			
3905	120/240V 15 KW	27 HP D	7,565	2.87	3.55	0.49	1.09	0.91	1.20	1.20									
3910	120/240V 30 KW	63 HP D	11,205	5.21	6.54	0.73	1.61	2.13	1.79	2.80									
3915	120/240V 45 KW	87 HP D	14,815	7.04	8.85	0.95	2.12	2.94	2.36	3.87									
3920	120/240V 60 KW	102 HP D	17,005	8.17	10.28	1.10	2.44	3.45	2.71	4.54									
3925	120/240V 75 KW	162 HP D	20,227	11.42	14.48	1.30	2.90	5.48	3.23	7.21									
3930	120/240V 90 KW	162 HP D	21,181	11.64	14.73	1.37	3.04	5.48	3.37	7.21									
3935	120/240V 125 KW	210 HP D	24,639	14.45	18.32	1.59	3.54	7.10	3.93	9.34									
3940	120/240V 150 KW	276 HP D	29,246	18.26	23.23	1.88	4.19	9.33	4.66	12.28									
OVERLOWE																			
3950	KP2250R PORTABLE	2.25 KW	5 HP G	914	0.72	0.91	0.06	0.13	0.41	0.15									
3955	KP3000BC PORTABLE	3.00 KW	7 HP G	1,004	0.95	1.19	0.07	0.15	0.57	0.16									
3960	KP3750BIC PORTABLE	3.75 KW	8 HP G	1,404	1.13	1.43	0.09	0.20	0.65	0.22									
3965	KP5000BIC PORTABLE	5.00 KW	10 HP G	1,771	1.41	1.79	0.12	0.26	0.81	0.28									
3970	KP6500BICB PORTABLE	6.50 KW	16 HP G	1,866	2.04	2.60	0.12	0.27	1.30	0.29									
3975	KP7500BICB PORTABLE	7.50 KW	16 HP G	1,767	2.02	2.58	0.12	0.26	1.30	0.28									
GRADERS, MOTOR *****																			
CATERPILLAR																			
3990	MOD 120-G POWER SHIFT ARTIC	125 HP D	104,009	21.82	27.27	5.61	10.29	3.89	11.60	5.12									
3995	MOD 130-G POWER SHIFT ARTIC	135 HP D	118,262	24.50	30.58	6.39	11.73	4.21	13.22	5.53									
4000	MOD 12-G POWER SHIFT ARTIC	135 HP D	127,180	25.91	32.33	6.86	12.60	4.21	14.21	5.53									
4005	MOD 140-G POWER SHIFT ARTIC	150 HP D	129,443	26.92	33.64	6.98	12.80	4.67	14.43	6.14									
4010	MOD 14-G POWER SHIFT ARTIC	180 HP D	180,822	36.63	45.72	9.71	17.71	5.61	19.96	7.37									
4015	MOD 16-G POWER SHIFT ARTIC	250 HP D	258,931	52.20	65.15	13.90	25.31	7.79	28.51	10.23									
										581									

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

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

CHAMPION														
4025	MOD 710A	ARTICULATED	125 HP D	101,463	21.44	26.81	5.47	10.02	3.89	11.29	5.12	296		
4030	MOD 715A	ARTICULATED	144 HP D	114,352	24.31	30.38	6.17	11.30	4.49	12.73	5.90	306		
4035	MOD 720A	ARTICULATED	148 HP D	121,342	25.60	32.02	6.54	11.97	4.61	13.49	6.06	340		
4040	MOD 740A	ARTICULATED	181 HP D	131,904	28.60	35.81	7.12	13.06	5.64	14.73	7.41	355		
4045	MOD 710	NON-ARTICULATED	125 HP D	95,426	20.48	25.64	5.14	9.41	3.89	10.60	5.12	280		
4050	MOD 715	NON-ARTICULATED	144 HP D	105,491	22.91	28.67	5.69	10.41	4.49	11.72	5.90	285		
4055	MOD 720	NON-ARTICULATED	148 HP D	110,800	23.94	29.98	5.97	10.91	4.61	12.29	6.06	315		
4060	MOD 740	NON-ARTICULATED	181 HP D	120,870	26.91	33.74	6.51	11.92	5.64	13.44	7.41	330		
4065	MOD 760	NON-ARTICULATED	230 HP D	152,096	34.19	42.92	8.16	14.83	7.16	16.70	9.42	390		
FIAT-ALLIS														
4075	MOD-65B	DIRECT DRIVE	68 HP D	55,976	11.72	14.65	3.03	5.57	2.12	6.28	2.78	135		
4080	MOD-FG75	POWER SHIFT	130 HP D	81,465	18.50	23.22	4.38	8.00	4.05	9.02	5.32	300		
4085	MOD-FG85	POWER SHIFT	145 HP D	89,625	20.45	25.69	4.82	8.80	4.52	9.92	5.94	310		
4090	MOD-FG95	POWER SHIFT	160 HP D	94,082	21.91	27.56	5.04	9.16	4.98	10.30	6.55	330		
GALION														
4100	MOD 503-L	CONSTANT MESH	68 HP G	47,636	13.70	17.24	2.58	4.74	5.10	5.33	6.61	115		
4105	MOD T-500C	POWER SHIFT	145 HP D	102,815	22.49	28.15	5.55	10.18	4.52	11.47	5.94	281		
4110	MOD A-600	POWER SHIFT	186 HP D	126,848	28.01	35.11	6.84	12.54	5.79	14.14	7.61	321		
HOISTS														

BEEBE - AIR TUGGERS														
4120	2000P110-24	1.0 T 225 CFM RQD		6,072	1.36		0.35	0.71	0.00		5			
4125	5000P120-24	2.5 T 500 CFM RQD		9,783	2.23		0.57	1.15	0.00		16			
4130	10000P 50-24	5.0 T 500 CFM RQD		11,856	2.76		0.69	1.39	0.00		22			
4135	20000P 50-40	10.0 T 850 CFM RQD		30,687	6.79		1.79	3.61	0.00		55			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
HOISTS (CONT'D)																			
SKAGIT																			
4145	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	71,920	19.15		4.18	8.45	3.38		85									
4150	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	97,291	24.43		5.66	11.44	3.38		126									
4155	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	149,806	36.62		8.71	17.61	4.40		240									
4160	RB-90WDOUBLE DRUM W/1-3/8" CABLE	150 HP D	166,416	40.91		9.67	19.56	5.07		300									
HYDRAULIC EXCAVATOR, CRAWLER MOUNTED																			
AMERICAN																			
4175	MOD 185	1.00 CY B/H	103 HP D	114,974	31.17	42.29	7.30	15.26	3.21	18.97									
4180	MOD 25A	1.38 CY B/H	185 HP D	191,247	46.82	60.06	11.11	22.45	5.76	26.42									
4185	MOD 480	2.00 CY B/H	300 HP D	283,805	70.45	90.39	16.49	33.32	9.34	39.20									
4190	MOD 680	4.00 CY B/H	456 HP D	452,671	104.36	129.40	24.44	48.29	14.20	54.95									
BADGER (HOPTO)																			
4200	MOD 211	1.25 CY B/H	160 HP D	164,114	40.23	51.60	9.53	19.26	4.98	22.67									
4205	MOD 311	1.88 CY B/H	235 HP D	234,510	57.73	74.04	13.63	27.53	7.32	32.39									
4210	MOD 900B	2.00 CY B/H	308 HP D	283,416	66.19	82.13	15.30	30.23	9.59	34.40									
4215	MOD 1900	5.00 CY B/H	616 HP D	591,226	137.09	170.03	31.91	63.06	19.19	71.77									
BUCYRUS ERIE																			
4225	MOD 300-H	1.00 CY B/H	176 HP D	182,781	50.09	67.93	11.62	24.27	5.48	30.16									
4230	MOD 325-H	1.75 CY B/H	205 HP D	251,452	60.15	77.09	14.61	29.52	6.39	34.73									
4235	MOD 350-H	2.50 CY B/H	248 HP D	316,979	75.44	96.67	18.42	37.21	7.73	43.78									
4240	MOD 400-H	4.25 CY B/H	392 HP D	530,569	116.91	144.54	28.64	56.59	12.21	64.40									
CASE																			
4250	MOD 880C "E" BOOM .63 CY	B/H	125 HP D	107,064	30.27	41.01	6.80	14.21	3.89	17.66									
4255	MOD 980B	1.00 CY B/H	165 HP D	132,953	38.02	51.51	8.45	17.65	5.14	21.94									
										6.76									
										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.	OWNER-SHIP	FUEL	OWNER-SHIP											
			AVERAGE	SEVERE																	
HYDRAULIC EXCAVATOR, CRLR MTD (CONT'D)																					
***** T/B = TELESCOPING BOOM B/H = BACKHOE																					
CASE (CONT'D)																					
4260	MOD 1280	1.25 CY	B/H	200 HP	D	155,456	39.93	51.26	9.03	18.25	6.23	21.47	8.19	505							
CATERPILLAR																					
4270	MOD 215	.75 CY	B/H	90 HP	D	129,242	33.94	46.07	8.21	17.16	2.80	21.32	3.68	387							
4275	MOD 225	1.00 CY	B/H	135 HP	D	159,714	42.96	58.29	10.15	21.20	4.21	26.35	5.53	504							
4280	MOD 235	1.50 CY	B/H	195 HP	D	286,759	67.13	86.01	16.66	33.66	6.07	39.61	7.98	891							
4285	MOD 245	2.50 CY	B/H	325 HP	D	446,719	105.38	135.03	25.96	52.45	10.12	61.69	13.31	1385							
GRADALL																					
4300	MOD G-660	.63 CY	T/B	115 HP	D	161,271	42.46	57.65	10.25	21.41	3.58	26.61	4.71	450							
4305	MOD G-880B	.75 CY	T/B	160 HP	D	198,471	53.03	72.00	12.61	26.34	4.98	32.75	6.55	533							
4310	MOD G-1000	1.25 CY	T/B	272 HP	D	271,462	66.82	85.73	15.78	31.87	8.47	37.50	11.14	787							
INSLEY																					
4325	MOD H1000C	1.25 CY	B/H	180 HP	D	152,110	38.48	49.38	8.84	17.86	5.61	21.01	7.37	517							
4330	MOD H2500C	2.25 CY	B/H	290 HP	D	273,184	67.86	87.06	15.87	32.07	9.03	37.74	11.87	931							
4335	MOD H3500C	3.50 CY	B/H	390 HP	D	383,899	88.64	109.90	20.72	40.95	12.15	46.60	15.97	1276							
JOHN DEERE																					
4345	MOD 690 B	.875 CY	B/H	131 HP	D	118,834	33.28	45.10	7.55	15.78	4.08	19.61	5.36	430							
4350	MOD 890 A	.50 CY	B/H	210 HP	D	245,278	59.04	75.70	14.25	28.79	6.54	33.88	8.60	880							
4355	MOD 990	1.875 CY	B/H	260 HP	D	277,079	67.54	86.62	16.10	32.52	8.10	38.27	10.64	910							
KOEHRING																					
4365	MOD 166 BANTAM	.88 CY	B/H	108 HP	D	120,047	32.57	44.18	7.63	15.94	3.36	19.81	4.42	374							
4370	MOD 266 BANTAM	1.13 CY	B/H	143 HP	D	159,134	43.15	58.55	10.11	21.12	4.45	26.26	5.85	514							
4375	MOD 366 BANTAM	1.25 CY	B/H	210 HP	D	190,723	47.66	61.15	11.08	22.39	6.54	26.34	8.60	612							
4380	MOD 566	1.50 CY	B/H	240 HP	D	277,639	66.92	85.80	16.13	32.59	7.48	38.35	9.83	834							

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 MTD (CONT'D)												

	T/B = TELESCOPING BOOM												
	B/H = BACKHOE												
	KOEHRING (CONT'D)												
4385	MOD 666E	2.00 CY	B/H	307 HP D	345,764	83.63	107.24	20.09	40.59	9.56	47.76	12.57	1075
4390	MOD 866E	3.25 CY	B/H	332 HP D	444,297	98.05	121.23	23.98	47.39	10.34	53.93	13.59	1306
4395	MOD 1066E	4.00 CY	B/H	420 HP D	552,202	122.13	151.04	29.81	58.90	13.08	67.04	17.19	1640
4400	MOD 1166E	5.00 CY	B/H	464 HP D	615,269	135.93	168.10	33.22	65.63	14.45	74.69	19.00	1890
4405	MOD 1266	5.50 CY	B/H	664 HP D	895,007	191.96	231.32	45.63	86.05	20.68	95.46	27.18	2600
4410	MOD 1466	9.00 CY	B/H	832 HP D	1,044,573	226.25	272.88	53.25	100.42	25.92	111.41	34.06	2900
	UNIT												
4425	MOD H202CT SER II	1.25 CY	B/H	152 HP D	149,787	41.37	56.10	9.52	19.88	4.73	24.72	6.22	475
4430	MOD H342	1.63 CY	B/H	228 HP D	241,630	58.95	75.61	14.04	28.36	7.10	33.38	9.33	723
4435	MOD H471	1.75 CY	B/H	304 HP D	299,644	73.90	94.81	17.41	35.18	9.47	41.39	12.45	972
	HYDRAULIC EXCAVATOR, TRUCK MOUNTED												

	(HP & FUEL LISTED EQUIP/CARRIER)												
	T/B = TELESCOPING BOOM												
	B/H = BACKHOE												
	GRADALL												
4445	MOD G-660	.63 CY	T/B	123/235 HP D/G	168,060	31.86	38.21	8.33	15.28	7.05	16.77	9.23	422
4450	MOD G-880	.75 CY	T/B	160/210 HP D/D	218,385	38.02	44.99	10.82	19.88	6.81	21.84	8.75	530
4455	MOD G-1000	1.25 CY	T/B	272/312 HP D/D	297,847	50.65	59.25	13.93	24.20	11.28	25.99	14.53	724
	LAND CLEARING EQUIPMENT												

	(ADD TO TRACTOR)												
4465	FLECO LAND CLEARING RAKE FOR	123/235	D/G		19,349	4.11	5.22	1.13	2.28	0.00	2.69	0.00	67
4470	FLECO LAND CLEARING RAKE FOR	160/210	D/D		25,500	5.40	6.86	1.48	3.00	0.00	3.54	0.00	98
4475	FLECO LAND CLEARING RAKE FOR	272/312	D/D		37,773	7.98	10.13	2.19	4.45	0.00	5.24	0.00	138
4480	FLECO CLAMP RAKE FOR CAT 973				19,326	4.24	5.34	1.13	2.28	0.00	2.68	0.00	58
	(ADD TO 977 LOADER)												

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	COND.	SEVERE	COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LIGHTING SETS, TRAILER MOUNTED *****														
ALLMAND METALLIC VAPOR														
4490	MAXI-LITE III 4/1000W	15 HP D	14,004	5.63		0.89	1.83	0.67		29				
OVER-LOWE METALLIC VAPOR														
4500	TM 352 2/1000W	3 KW	6 HP D	11,053	4.11	0.70	1.43	0.27		17				
4505	TM 354 4/1000W	6 KW	12 HP D	14,604	5.66	0.92	1.90	0.53		22				
4510	TM 356 6/1000W	8 KW	15 HP D	17,175	6.72	1.08	2.24	0.67		24				
LOADERS, BELT *****														
KOLMAN														
520	101XHD 24"X50' 355 T/HR	28 HP D	30,648	8.41	11.02	1.74	3.32	0.95	3.88	1.25				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4530	PLATE FEEDER DOZER TRAP MODEL 45		5,708	1.23	1.57	0.34	0.65	0.00	0.76	0.00				
4535	BELT FEEDER DOZER TRAP MODEL 65		6,953	1.49	1.90	0.40	0.78	0.00	0.92	0.00				
4540	WING WALLS STATIONARY		1,323	0.28	0.36	0.08	0.15	0.00	0.17	0.00				
4545	TUNNEL EXTENSION W/WING WALLS		6,634	1.43	1.82	0.38	0.75	0.00	0.88	0.00				
4550	SINGLE DECK SCREEN SB-70 7'X42		5,451	1.17	1.49	0.32	0.62	0.00	0.72	0.00				
4555	DOUBLE DECK SCREEN DC-70-42 7'X42		6,684	1.44	1.83	0.39	0.76	0.00	0.89	0.00				
4560	TRIPLE DECK SCREEN TC-70-42 7'X42		9,657	2.08	2.65	0.56	1.10	0.00	1.28	0.00				
4565	XHD CONVEYOR JACKLEG		926	0.20	0.26	0.06	0.11	0.00	0.13	0.00				
4570	101XHD 30"X50' 615 T/HR	42 HP D	33,250	9.72	12.77	1.88	3.59	1.42	4.19	1.87				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4580	PLATE FEEDER DOZER TRAP MODEL 45		6,748	1.46	1.84	0.40	0.77	0.00	0.89	0.00				
4585	BELT FEEDER DOZER TRAP MODEL 65		7,383	1.59	2.02	0.43	0.84	0.00	0.98	0.00				
4590	WING WALLS STATIONARY		1,323	0.28	0.36	0.08	0.15	0.00	0.17	0.00				
4595	TUNNEL EXTENSION W/WING WALLS		6,634	1.43	1.82	0.38	0.75	0.00	0.88	0.00				
4600	SINGLE DECK SCREEN SB-80 8'X48		6,229	1.34	1.71	0.37	0.71	0.00	0.83	0.00				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, BELT (CONT'D) *****														
KOLMAN (CONT'D)														
4605	DOUBLE DECK SCREEN DC-80-48 8'X48	8,677	1.86	2.38	0.50	0.98	0.00	1.15	0.00	35				
4610	TRIPLE DECK SCREEN TC-80-48 8'X48	10,847	2.33	2.97	0.63	1.23	0.00	1.44	0.00	43				
4615	XHD CONVEYOR JACKLEG	926	0.20	0.26	0.06	0.11	0.00	0.13	0.00	9				
4620	101XHD 36"X50' 910 T/HR	56 HP D	38,274	11.64	15.37	2.16	4.10	1.89	4.79	2.49	160			
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4630	PLATE FEEDER DOZER TRAP MODEL 45	7,148	1.54	1.96	0.41	0.81	0.00	0.95	0.00	45				
4635	BELT FEEDER DOZER TRAP MODEL 65	7,895	1.69	2.17	0.46	0.89	0.00	1.05	0.00	42				
4640	WING WALLS STATIONARY	1,323	0.28	0.36	0.08	0.15	0.00	0.17	0.00	9				
4645	TUNNEL EXTENSION W/WING WALLS	6,634	1.43	1.82	0.38	0.75	0.00	0.88	0.00	61				
4650	SINGLE DECK SCREEN SB-90 9'X54	7,234	1.57	1.98	0.43	0.83	0.00	0.96	0.00	28				
4655	DOUBLE DECK SCREEN DC-90-54 9'X54	10,386	2.24	2.85	0.60	1.18	0.00	1.38	0.00					
4660	TRIPLE DECK SCREEN TC-90-54 9'X54	13,319	2.88	3.65	0.78	1.52	0.00	1.77	0.00	54				
4665	XHD CONVEYOR JACKLEG	926	0.20	0.26	0.06	0.11	0.00	0.13	0.00	9				
4670	101XHD 42"X50' 1260 T/HR	84 HP D	49,200	15.61	20.65	2.77	5.25	2.84	6.13	3.74	180			
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4680	PLATE FEEDER DOZER TRAP MODEL 45	8,318	1.80	2.29	0.49	0.95	0.00	1.11	0.00	48				
4685	BELT FEEDER DOZER TRAP MODEL 65	10,707	2.30	2.93	0.62	1.21	0.00	1.42	0.00	45				
4690	WING WALLS STATIONARY	1,323	0.28	0.36	0.08	0.15	0.00	0.17	0.00	9				
4695	TUNNEL EXTENSION W/WING WALLS	6,634	1.43	1.82	0.38	0.75	0.00	0.88	0.00	61				
4700	SINGLE DECK SCREEN SB-100 60"X10'	9,351	2.01	2.57	0.54	1.06	0.00	1.25	0.00	37				
4705	DOUBLE DECK SCREEN DC-100 60"X10'	12,045	2.60	3.31	0.70	1.37	0.00	1.61	0.00	55				
4710	TRIPLE DECK SCREEN TC-100 60"X10'	18,456	3.98	5.07	1.07	2.10	0.00	2.46	0.00	68				
4715	XHD CONVEYOR JACKLEG	926	0.20	0.26	0.06	0.11	0.00	0.13	0.00	9				
4720	101XHD 48"X50' 1700 T/HR	128 HP D	85,951	25.63	33.55	4.89	9.36	4.33	10.92	5.70	265			
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4730	PLATE FEEDER DOZER TRAP MODEL 45	11,914	2.56	3.26	0.69	1.35	0.00	1.58	0.00	51				
4735	WING WALLS STATIONARY	1,323	0.28	0.36	0.08	0.15	0.00	0.17	0.00	9				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
LOADERS, BELT (CONT'D) *****																			
KOLMAN (CONT'D)																			
4740	TUNNEL EXTENSION W/WING WALLS	7,041	1.52	1.93	0.41	0.80	0.00	0.93	0.00	66									
4745	SINGLE DECK SCREEN SB-120 60"X12"	11,122	2.39	3.05	0.65	1.26	0.00	1.48	0.00	53									
4750	DOUBLE DECK SCREEN DC-120 60"X12"	16,322	3.52	4.48	0.95	1.86	0.00	2.17	0.00	77									
4755	TRIPLE DECK SCREEN TC-120 60"X12"	22,777	4.91	6.25	1.32	2.59	0.00	3.03	0.00	80									
4760	XHD CONVEYOR JACKLEG	926	0.20	0.26	0.06	0.11	0.00	0.13	0.00	9									
4765	303 48"X50' 2000 CY/HR	125 HP D	149,000	41.51	54.85	8.42	15.99	4.23	18.64	5.56									
4770	303 48"X60' 2000 CY/HR	185 HP D	165,570	47.75	62.97	9.37	17.85	6.26	20.83	8.23									
4775	303 60"X50' 3600 CY/HR	185 HP D	171,051	50.62	67.39	9.61	18.17	6.26	21.17	8.23									
4780	303 60"X60' 3600 CY/HR	290 HP D	196,448	61.73	82.25	11.03	20.84	9.81	24.30	12.90									
4785	404 48"X50' 2000 CY/HR	185 HP D	183,604	51.56	67.77	10.43	19.92	6.26	23.25	8.23									
790	404 48"X60' 2000 CY/HR	185 HP D	193,998	53.87	70.77	11.02	21.08	6.26	24.61	8.23									
4795	404 60"X50' 3600 CY/HR	290 HP D	219,920	65.70	86.76	12.45	23.72	9.81	27.67	12.90									
4800	404 60"X60' 3600 CY/HR	290 HP D	242,926	71.75	95.00	13.73	26.13	9.81	30.48	12.90									
OPTIONAL EQUIPMENT SELECT AS NEEDED																			
4810	SINGLE DECK SCREEN SB-120 72"X12"		14,392	3.10	3.94	0.84	1.64	0.00	1.91	0.00									
4815	DOUBLE DECK SCREEN DC-120 72"X12"		19,007	4.09	5.22	1.10	2.16	0.00	2.53	0.00									
4820	TRIPLE DECK SCREEN TC-120 72"X12"		21,684	4.68	5.96	1.26	2.47	0.00	2.89	0.00									
4825	SINGLE DECK VIBRATING GRIZZLE 72"W		21,751	4.68	5.96	1.26	2.47	0.00	2.89	0.00									
LOADERS, FRONT END, CRAWLER TYPE *****																			
CASE																			
4835	350 B 3/4 CY	39 HP D	41,116	12.51	15.71	2.39	4.84	1.42	5.70	1.87									
4840	450 B 1 CY	53 HP D	51,461	15.88	19.96	3.00	6.07	1.93	7.14	2.55									
4845	850C 1-1/2 CY	78 HP D	69,404	21.74	27.34	4.03	8.17	2.85	9.63	3.75									
4850	1150 C 1-3/4 CY	105 HP D	93,799	29.37	36.91	5.45	11.05	3.83	13.00	5.05									
4855	1450 B 2-1/4 CY	140 HP D	110,489	35.42	44.57	6.42	13.02	5.11	15.32	6.73									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT		
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP			
	LOADERS, F.E., CRAWLER TYPE (CONT'D)											

	CATERPILLAR											
4865	931B	1 CY	65 HP D	46,493	15.21	19.16	2.71	5.48	2.37	6.45	3.12	171
4870	943	1-1/2 CY	80 HP D	82,225	25.14	31.55	4.78	9.69	2.92	11.40	3.84	255
4875	953	2 CY	110 HP D	102,059	31.74	39.89	5.93	12.02	4.01	14.16	5.29	300
4880	963	2-1/2 CY	150 HP D	134,401	42.06	52.87	7.82	15.84	5.47	18.64	7.21	394
4885	973	3-3/4 CY	210 HP D	199,806	61.87	77.73	11.61	23.54	7.66	27.71	10.09	534
	FIAT-ALLIS											
4895	FL5	1 CY	63 HP D	43,760	14.40	18.14	2.54	5.15	2.30	6.06	3.03	165
4900	FL7	1-1/4 CY	78 HP D	51,715	17.22	21.69	3.01	6.10	2.85	7.18	3.75	198
4905	FL9	1-5/8 CY	87 HP D	62,416	20.40	25.70	3.62	7.35	3.17	8.66	4.18	272
4910	FL10C	2 CY	122 HP D	79,585	26.58	33.51	4.63	9.38	4.45	11.04	5.86	310
4915	FL14C	2-5/8 CY	150 HP D	104,641	34.42	43.36	6.08	12.33	5.47	14.51	7.21	41
4920	FL20	3-1/2 CY	223 HP D	148,730	49.42	62.28	8.64	17.52	8.14	20.63	10.72	605
	INTERNATIONAL											
4930	100-E	1-1/8 CY	65 HP D	53,409	16.98	21.36	3.10	6.29	2.37	7.40	3.12	161
4935	125-E	1-3/8 CY	78 HP D	63,991	20.36	25.61	3.72	7.54	2.85	8.88	3.75	199
4940	175-C	2 CY	130 HP D	101,224	32.53	40.94	5.89	11.93	4.74	14.04	6.25	338
4945	250-C	2-3/4 CY	190 HP D	146,675	47.22	59.43	8.52	17.28	6.93	20.34	9.13	452
	JOHN DEERE											
4955	JD350-C	3/4 CY	42 HP D	39,635	12.29	15.44	2.30	4.67	1.53	5.49	2.02	119
4960	JD455-D	1-1/4 CY	67 HP D	52,574	16.87	21.23	3.06	6.20	2.44	7.29	3.22	172
4965	JD555-A	1-3/8 CY	78 HP D	64,721	20.54	25.84	3.76	7.62	2.85	8.98	3.75	188
	KOMATSU											
4975	D31S-17	1.3 CY	66 HP D	46,735	15.33	19.30	2.72	5.51	2.41	6.48	3.17	156
4980	D41S-3	1.6 CY	90 HP D	64,568	21.11	26.58	3.76	7.61	3.28	8.95	4.33	262
4985	D53S-16	1.8 CY	110 HP D	82,904	26.83	33.77	4.82	9.77	4.01	11.50	5.29	300

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL							
					AVERAGE	SEVERE											
LOADERS, F.E., CRAWLER TYPE (CONT'D) *****																	
KOMATSU (CONT'D)																	
4990	D57S-1	2.1 CY	135 HP D	101,182	32.78	41.27	5.88	11.92	4.93	14.03	6.49	337					
4995	D75S-3	3.3 CY	200 HP D	145,403	47.40	59.69	8.45	17.13	7.30	20.17	9.61	485					
5000	D155S-1	5.9 CY	350 HP D	289,557	91.96	115.66	16.82	34.11	12.77	40.15	16.82	950					
LOADERS, FRONT END, WHEEL TYPE ***** (ARTIC = ARTICULATED)																	
BOBCAT																	
5010	MOD 310	5 CWT. SKID STEER	16 HP G	8,477	3.42	4.40	0.49	0.94	1.30	1.09	1.69	18					
5015	MOD 313	5 CWT. SKID STEER	13 HP D	9,879	2.59	3.33	0.57	1.10	0.44	1.28	0.58	19					
5020	MOD 540	8 CWT. SKID STEER	23 HP G	12,113	4.86	6.24	0.70	1.35	1.87	1.58	2.43	31					
5025	MOD 543	8 CWT. SKID STEER	22 HP D	13,493	3.71	4.76	0.78	1.51	0.74	1.77	0.98	33					
5030	MOD 641	10 CWT. SKID STEER	28 HP D	15,917	4.48	5.74	0.92	1.78	0.95	2.08	1.25	39					
5035	MOD 642	10 CWT. SKID STEER	32 HP G	14,809	6.36	8.17	0.86	1.66	2.60	1.94	3.38	38					
5040	MOD 742	13 CWT. SKID STEER	34 HP G	17,064	7.01	8.99	0.99	1.92	2.76	2.23	3.60	45					
5045	MOD 743	13 CWT. SKID STEER	36 HP D	18,280	5.32	6.81	1.05	2.05	1.22	2.40	1.60	46					
5050	MOD 843	17 CWT. SKID STEER	54 HP D	23,562	7.34	9.49	1.35	2.60	1.83	3.04	2.40	63					
5055	MOD 974	37 CWT. SKID STEER	78 HP D	43,345	12.82	16.89	2.46	4.68	2.64	5.45	3.47	121					
CASE																	
5065	W-11	3/4 CY ARTIC	55 HP D	46,970	11.95	15.26	2.71	5.25	1.86	6.14	2.45	89					
5070	W-14	1-1/4 CY ARTIC	83 HP D	62,014	16.43	21.17	3.55	6.86	2.81	8.03	3.69	137					
5075	W-18 B	1-3/4 CY ARTIC	103 HP D	80,111	20.90	26.82	4.61	8.91	3.48	10.42	4.58	194					
5080	W-20 C	2 CY ARTIC	110 HP D	84,013	22.23	28.71	4.82	9.28	3.72	10.84	4.89	212					
5085	W-24 C	2-1/2 CY ARTIC	132 HP D	103,227	27.00	34.71	5.93	11.46	4.46	13.39	5.87	216					
5090	W-36	3-1/2 CY ARTIC	185 HP D	140,909	36.66	46.68	8.13	15.79	6.26	18.46	8.23	340					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
LOADERS, F.E., WHEEL TYPE (CONT'D) *****													
CATERPILLAR													
5100	910	1-1/4 CY ARTIC	65 HP D	54,017	14.08	18.24	3.09	5.94	2.20	6.94	2.89	145	
5105	920	1-3/4 CY ARTIC	80 HP D	69,590	17.82	22.96	3.99	7.70	2.71	9.01	3.56	186	
5110	930	2-1/4 CY ARTIC	100 HP D	79,473	20.88	26.99	4.56	8.77	3.38	10.24	4.45	212	
5115	950-B	3 CY ARTIC	155 HP D	126,962	32.52	41.46	7.33	14.21	5.24	16.62	6.90	328	
5120	966-D	4 CY ARTIC	200 HP D	173,216	44.96	58.47	9.89	18.98	6.76	22.16	8.90	426	
5125	980-C	5-1/4 CY ARTIC	270 HP D	232,889	55.97	72.19	12.32	23.84	9.13	27.07	12.01	598	
5130	988-B	7 CY ARTIC	375 HP D	335,611	79.37	102.85	17.57	33.61	12.68	38.12	16.69	892	
5135	992-C	13 CY ARTIC	690 HP D	683,196	160.29	209.87	35.54	67.53	23.34	76.53	30.70	1916	
CLARK													
5145	35C	1-1/4 CY	82 HP D	60,754	16.19	20.94	3.49	6.71	2.77	7.84	3.65	177	
5150	45C	1-1/2 CY	107 HP D	71,130	19.41	25.02	4.09	7.88	3.62	9.21	4.76	199	
5155	55C	2 CY ARTIC	121 HP D	82,817	22.53	29.11	4.75	9.14	4.09	10.68	5.38	247	
5160	75C	2-1/2 CY ARTIC	154 HP D	120,186	31.98	41.66	6.86	13.15	5.21	15.36	6.85	313	
5165	125C	3-1/2 CY ARTIC	210 HP D	163,008	43.74	57.29	9.27	17.72	7.10	20.69	9.34	437	
5170	175C	4-1/2 CY ARTIC	273 HP D	221,703	54.15	70.06	11.71	22.64	9.23	25.72	12.15	565	
5175	275C	6-1/2 CY ARTIC	360 HP D	316,220	74.29	95.33	16.65	32.04	12.18	36.35	16.02	864	
5180	475C	12 CY ARTIC	612 HP D	597,314	139.45	181.35	31.21	59.54	20.70	67.50	27.23	1689	
FIAT-ALLIS													
5190	345-B	1-1/2 CY ARTIC	80 HP D	55,658	15.09	19.50	3.19	6.14	2.71	7.17	3.56	151	
5195	FR-10	2-1/4 CY ARTIC	102 HP D	70,728	19.05	24.51	4.06	7.85	3.45	9.17	4.54	212	
5200	FR-12	2-1/2 CY ARTIC	120 HP D	77,802	21.51	27.85	4.45	8.57	4.06	10.02	5.34	230	
5205	FR-15	3 CY ARTIC	155 HP D	109,360	30.00	39.27	6.22	11.90	5.24	13.89	6.90	296	
5210	FR-20	4-1/2 CY ARTIC	215 HP D	172,209	45.77	59.83	9.81	18.77	7.27	21.91	9.57	445	
5215	945-B	6 CY ARTIC	335 HP D	260,742	63.57	82.39	13.66	26.12	11.33	29.62	14.91	666	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.E., WHEEL TYPE (CONT'D) *****														
FORD														
5225	445	3/4 CY	48 HP D	25,518	7.51	9.81	1.45	2.78	1.62	3.24	2.14	73		
5230	555	1 CY	55 HP D	31,212	8.97	11.63	1.79	3.43	1.86	4.00	2.45	78		
5235	A-62	1-1/2 CY	88 HP D	64,179	17.15	22.14	3.68	7.09	2.98	8.29	3.92	173		
5240	A-64	2 CY ARTIC	107 HP D	77,381	20.80	26.93	4.43	8.52	3.62	9.96	4.76	228		
5245	A-66	2-1/2 CY ARTIC	136 HP D	109,745	28.27	36.11	6.32	12.25	4.60	14.33	6.05	256		
INTERNATIONAL														
5255	510B	1-3/8 CY	80 HP D	52,216	15.00	20.01	2.94	5.55	2.71	6.46	3.56	140		
5260	515B	1-5/8 CY	100 HP D	64,432	17.97	23.38	3.68	7.06	3.38	8.24	4.45	167		
5265	520B	2-1/4 CY ARTIC	120 HP D	76,262	21.25	27.58	4.36	8.39	4.06	9.80	5.34	232		
5270	530	2-3/4 CY ARTIC	155 HP D	111,435	29.52	37.73	6.42	12.45	5.24	14.56	6.90	291		
5275	540	3-3/4 CY ARTIC	189 HP D	154,980	41.08	53.81	8.82	16.85	6.39	19.66	8.41	360		
5280	550	5-1/4 CY ARTIC	209 HP D	217,298	55.44	73.13	12.31	23.44	7.07	27.35	9.30	544		
5285	560B	7-1/2 CY ARTIC	415 HP D	318,127	77.04	98.90	16.75	32.24	14.04	36.58	18.47	830		
5290	570	12 CY ARTIC	590 HP D	612,794	139.32	178.71	32.25	62.05	19.95	70.41	26.25	1350		
JOHN DEERE														
5300	300B	3/4 CY	43 HP D	24,026	6.87	8.85	1.38	2.65	1.45	3.10	1.91	69		
5305	444C	1-1/2 CY	85 HP D	64,461	17.05	22.02	3.69	7.12	2.87	8.33	3.78	179		
5310	544C	2 CY ARTIC	105 HP D	77,979	20.54	26.30	4.49	8.70	3.55	10.17	4.67	197		
5315	644C	3 CY ARTIC	145 HP D	111,858	29.64	38.42	6.40	12.31	4.90	14.38	6.45	260		
5320	844	4-1/2 CY ARTIC	260 HP D	205,499	50.77	65.94	10.84	20.91	8.79	23.74	11.57	490		
KAWASAKI														
5330	KSS-652	2.2 CY	104 HP D	65,445	18.36	23.88	3.74	7.17	3.52	8.38	4.63	220		
5335	KSS-70	3.0 CY	158 HP D	92,330	25.97	33.32	5.32	10.29	5.34	12.02	7.03	305		
5340	KSS-80	4.0 CY	187 HP D	121,158	34.19	44.96	6.88	13.11	6.32	15.29	8.32	390		
5345	KSS-95Z11	5.5 CY	305 HP D	183,053	49.04	64.25	9.63	18.49	10.32	20.97	13.57	615		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	ADJUSTABLE ELEMENTS								
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.E., WHEEL TYPE (CONT'D)														

TEREX (GM)														
5355	33C	2 CY	103 HP D	67,360	18.67	24.27	3.85	7.39	3.48	8.63	4.58	216		
5360	44C	2-1/2 CY	113 HP D	77,151	21.05	27.25	4.41	8.50	3.82	9.93	5.03	250		
5365	55C	3-1/4 CY	144 HP D	108,525	28.43	36.33	6.26	12.12	4.87	14.17	6.41	280		
5370	66C	4 CY	210 HP D	146,965	40.32	52.71	8.37	16.02	7.10	18.70	9.34	425		
5375	80C	5-1/2 CY	307 HP D	221,434	55.61	71.97	11.71	22.62	10.38	25.68	13.66	590		
5380	90B	7-1/2 CY	388 HP D	322,589	76.63	98.28	16.99	32.72	13.12	37.13	17.27	845		
TROJAN														
5390	1500	1-3/4 CY ARTIC	85 HP D	69,293	18.00	23.20	3.97	7.67	2.87	8.97	3.78	180		
5395	1900	2-1/4 CY ARTIC	117 HP G	79,471	28.62	37.01	4.56	8.77	9.50	10.24	12.38	212		
5400	2000	3 CY ARTIC	149 HP D	112,661	29.47	37.63	6.49	12.59	5.04	14.72	6.63	306		
5405	2500	4 CY ARTIC	182 HP D	139,687	37.54	49.08	7.95	15.21	6.16	17.75	8.10	393		
5410	4000	4-1/4 CY ARTIC	203 HP D	152,964	41.48	54.44	8.69	16.59	6.87	19.35	9.03	410		
5415	5500	5-1/2 CY ARTIC	285 HP D	223,571	55.86	73.01	11.76	22.62	9.64	25.67	12.68	616		
5420	7500	7 CY ARTIC	400 HP D	294,278	72.25	93.10	15.47	29.70	13.53	33.69	17.80	846		
LOADER/BACKHOE, WHEEL TYPE TRACTOR														

CASE														
5430	480D LDR/BHOE	7/8 CY FE BUCKET 24" B/H DIPPER	47 HP D	41,115	10.64	13.38	2.37	4.60	1.59	5.37	2.09	100		
5435	580D LDR/BHOE	1.0 CY FE BUCKET 24" B/H DIPPER	55 HP D	47,954	12.39	15.59	2.77	5.37	1.86	6.28	2.45	115		
5440	680H LDR/BHOE	1-1/4 CY FE BUCKET 30" B/H DIPPER	80 HP D	73,918	18.93	23.80	4.26	8.26	2.71	9.66	3.56	165		
5445	780B LDR/BHOE	1-3/4 CY FE BUCKET 30" B/H DIPPER	111 HP D	87,350	23.04	29.03	5.04	9.79	3.75	11.45	4.94	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		
	LOADER/BH, WHL. TYPE TRACTOR (CONT'D) *****										
	JOHN DEERE										
5455	410B LDR/BH 1 CY FE BUCKET 24" B/H DIPPER	62 HP D 48,885	13.12	16.58	2.80	5.37	2.10	6.26	2.76	138	
5460	510 LDR/BHOE 1-1/8 CY FE BUCKET 24" B/H DIPPER	80 HP D 70,721	18.35	23.12	4.06	7.84	2.71	9.16	3.56	205	
5465	710B LDR/BHOE 1-1/2 CY FE BUCKET 30" B/H DIPPER	100 HP D 78,050	20.66	26.04	4.50	8.71	3.38	10.18	4.45	220	
	LOADER/BACKHOE, CRLR TYPE TRACTOR *****										
	CASE										
5475	350B LDR/BHOE 3/4 CY FE BUCKET 24" B/H DIPPER	39 HP D 56,044	16.35	20.48	3.26	6.60	1.42	7.78	1.87	141	
5480	450B LDR/BHOE 1 CY FE BUCKET 24" B/H DIPPER	53 HP D 66,731	19.79	24.82	3.88	7.86	1.93	9.25	2.55	167	
	CATERPILLAR										
5490	931BLDR/BHOE 1 CY FE BUCKET 30" B/H DIPPER	65 HP D 59,379	18.52	23.28	3.45	7.00	2.37	8.24	3.12	207	
	LOADER/BACKHOE ATTACHMENTS *****										
	HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE OR HYDRAULIC EXCAVATOR (ADD TO THE BASIC LOADER-BACKHOE OR EXCAVATOR)										
5500	KENT RAM 555 W/NARROW CHISEL		5,042	2.15		0.37	0.80	0.00		6	
5505	KENT RAM 999 W/NARROW CHISEL		10,473	4.45		0.75	1.65	0.00		10	
5510	KENT RAM 2000 W/CHISEL-MIN 3/4CY B/H		20,295	8.57		1.45	3.20	0.00		22	
5515	KENT KHP-12 HYDRA-PAK TAMPER		5,300	1.99		0.38	0.84	0.00		9	
5520	KENT KHP-25 HYDRA-PAK MIN 3/4CY B/H		8,313	3.07		0.60	1.31	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							
	PILE EXTRACTORS *****										
	MKT CORPORATION										
5530	E2 700 FT-LBS	400CFM A	14,501	4.99		1.04	2.28	0.00		27	
5535	E4 1000 FT-LBS	550CFM A	21,895	7.49		1.57	3.45	0.00		47	
	VULCAN										
5545	400A 500 FT-LBS	450CFM A	18,610	6.37		1.34	2.94	0.00		30	
5550	800A 1000 FT-LBS	900CFM A	24,426	8.47		1.75	3.85	0.00		57	
5555	1200A 1640 FT-LBS	1350CFM A	28,976	10.27		2.08	4.58	0.00		97	
	PILE HAMMERS, DIESEL ***** (FUEL NOT INCLUDED)										
	MKT CORPORATION										
5565	DE-30B/20B (6-FT) 12,000 FT-LBS		36,626	12.04		2.62	5.77	0.00		7	
5570	DE-30B/20B (6-FT) 16,800 FT-LBS		40,928	13.46		2.94	6.46	0.00		82	
5575	DE-70B/50B (6-FT) 30,000 FT-LBS		67,250	22.08		4.82	10.61	0.00		138	
5580	DE-70B/50B (6-FT) 42,000 FT-LBS		71,538	23.48		5.12	11.28	0.00		158	
	PILE HAMMERS, SINGLE ACTING *****										
	VULCAN										
5590	1 15000 FT-LBS	750CFM A	37,574	12.71		2.69	5.92	0.00		101	
5595	06 19500 FT-LBS	900CFM A	43,068	14.58		3.09	6.79	0.00		121	
5600	08 26000 FT-LBS	1100CFM A	49,814	16.89		3.57	7.86	0.00		175	
5605	010 32500 FT-LBS	1350CFM A	54,598	18.60		3.92	8.62	0.00		195	
5610	012 39000 FT-LBS	1500CFM A	61,465	20.75		4.41	9.70	0.00		287	
5615	014 42000 FT-LBS	1750CFM A	73,027	24.83		5.24	11.52	0.00		283	
5620	016 48750 FT-LBS	1750CFM A	85,856	29.03		6.16	13.55	0.00		320	
5625	020 60000 FT-LBS	2150CFM A	114,929	38.75		8.24	18.13	0.00		425	
5630	030 90000 FT-LBS	2350CFM A	168,554	56.41		12.08	26.59	0.00		575	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP												
			AVERAGE	SEVERE															
PILE HAMMERS, DOUBLE ACTING *****																			
MKT CORPORATION																			
5640	9-B-3	8750 FT-LBS	900CFM A	29,439	10.12		2.12	4.65	0.00	74									
5645	10-B-3	13100 FT-LBS	1200CFM A	33,596	11.63		2.41	5.30	0.00	114									
5650	11-B-3	19150 FT-LBS	1200CFM A	44,725	15.27		3.20	7.05	0.00	141									
5655	5 (SELF STOP)	1000 FT-LBS	375CFM A	11,101	3.88		0.80	1.75	0.00	17									
5660	6 (SELF STOP)	2500 FT-LBS	600CFM A	14,115	4.95		1.02	2.23	0.00	31									
5665	7 (SELF STOP)	4150 FT-LBS	750CFM A	17,747	6.23		1.27	2.80	0.00	50									
VULCAN																			
5675	50C	15100 FT-LBS	1250CFM A	47,969	16.36		3.44	7.57	0.00	153									
5680	65C	19200 FT-LBS	1450CFM A	54,786	18.70		3.92	8.64	0.00	153									
5685	80C	24450 FT-LBS	1750CFM A	58,955	20.22		4.22	9.30	0.00	184									
5690	100C	32900 FT-LBS	2050CFM A	72,276	24.74		5.19	11.41	0.00	232									
5695	140C	36000 FT-LBS	2150CFM A	89,184	30.32		6.39	14.07	0.00	287									
5700	200C	50200 FT-LBS	2550CFM A	128,331	43.35		9.20	20.25	0.00	398									
PILE HAMMERS, VIBRATORY *****																			
MKT CORPORATION																			
5710	V5	WITH POWER PACK	59 HP D	64,036	23.60		4.59	10.10	2.00	110									
5715	V16	WITH POWER PACK	156 HP D	120,371	46.38		8.63	18.99	5.28	215									
5720	V20	WITH POWER PACK	295 HP D	176,088	70.82		12.62	27.78	9.98	257									
5725	V30	WITH POWER PACK	550 HP D	189,525	86.61		13.59	29.91	18.60	350									
5730	V36	WITH POWER PACK	650 HP D	239,637	107.47		17.18	37.81	21.98	450									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	PIPELAYER *****										
	CATERPILLAR										
5740	561D 15 FT BOOM, 40,000 LB CAP 105 HP D	118,395	22.20	27.28	6.48	11.23	1.96	12.56	2.52	357	
5745	571G 18 FT BOOM, 60,000 LB CAP 200 HP D	189,957	36.47	44.85	10.40	18.03	3.74	20.17	4.81	502	
5750	572G 18 FT BOOM, 90,000 LB CAP 200 HP D	216,614	40.85	50.19	11.85	20.56	3.74	22.99	4.81	605	
5755	583K 20 FT BOOM, 140,000 LB CAP 300 HP D	272,324	52.61	64.72	14.90	25.84	5.61	28.90	7.21	905	
5760	594H 24 FT BOOM, 200,000 LB CAP 410 HP D	380,230	73.24	90.08	20.81	36.09	7.66	40.36	9.85	1229	
	PUMPS, GROUT *****										
	CHEMGROUT										
5770	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,594	3.49		0.80	1.74	0.00			11	
5775	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,656	1.33		0.30	0.64	0.00			5	
5780	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	18,596	5.25		1.19	2.57	0.00			18	
5785	CG-620 COLLOIDAL ADD-ON TO CG-500	8,056	2.19		0.52	1.12	0.00			11	
	PUMPS, WATER (FOR CORE DRILLS) *****										
	LONGYEAR										
5795	520 RQG 5.7-20 GPM UP TO 600PSI 10 HP G	6,813	2.87		0.40	0.77	1.12			7	
5800	535 RQG 9.9-35 GPM UP TO 800PSI 15 HP G	8,616	3.98		0.50	0.98	1.68			10	
	PUMPS, WATER, CENTRIFUGAL, DEWATERING *****										
	HOMELITE - SKID MOUNTED										
5810	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	477	0.39		0.03	0.06	0.22			1	
5815	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	612	0.58		0.03	0.07	0.34			1	
5820	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	1,136	1.41		0.06	0.12	0.90			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			
PUMPS, WATER, CENTRIF, DEWATER (CONT'D) *****												
MARLOW - WHEEL MOUNTED												
5830	MOD 4D2 465 GPM @ 20' HEAD	43 HP G	9,050	8.20		0.53	1.03	4.81		14		
5835	MOD 4C7 595 GPM @ 20' HEAD	30 HP D	5,216	3.03		0.31	0.60	1.42		10		
5840	MOD 6E4A 1100 GPM @ 20' HEAD	79 HP G	11,973	14.11		0.69	1.36	8.84		15		
5845	MOD 6E4A 1100 GPM @ 20' HEAD	60 HP D	17,255	7.43		1.00	1.96	2.83		24		
5850	MOD 8FA3 2320 GPM @ 20' HEAD	70 HP D	22,149	9.07		1.29	2.52	3.30		23		
5855	MOD 10FA61 2775 GPM @ 20' HEAD	68 HP D	23,556	9.23		1.37	2.67	3.21		30		
PUMPS, WATER, CENTRIFUGAL, TRASH *****												
HOMELITE - SKID MOUNTED												
5865	MOD 121TP 2" - 11500 GPH @ 20' H	5 HP G	980	0.94		0.06	0.11	0.56		1		
5870	MOD 120 3" - 23000 GPH @ 20' H	8 HP G	1,342	1.46		0.08	0.15	0.90		2		
5875	MOD 160TP 4" - 36500 GPH @ 20' H	16 HP G	2,751	2.92		0.16	0.31	1.79		4		
PUMPS, WATER, DIAPHRAGM *****												
HOMELITE - SKID MOUNTED												
5885	MOD 111DP 2" - 1900 GPH @ 10' HD	3 HP G	1,224	0.70		0.07	0.14	0.34		1		
5890	MOD 111DP 3" - 4800 GPH @ 10' HD	3 HP G	1,371	0.72		0.08	0.15	0.34		2		
PUMPS, WATER, SUBMERSIBLE *****												
GORMAN-RUPP												
5900	MOD S2A1 2" - 138 GPM @ 20' HD	2 HP E	1,662	0.53		0.10	0.19	0.18		2		
5905	MOD S3A1 3" - 278GPM @ 20' HD	5 HP E	2,375	1.02		0.14	0.27	0.44		3		
5910	MOD S4A1 4" - 860 GPM @ 40' HD	25 HP E	8,442	4.53		0.49	0.96	2.20		12		
5915	MOD S6A1 6" - 1950 GPM @ 40' HD	60 HP E	10,995	9.41		0.63	1.24	5.29		14		

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

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

HOMELITE												
5925	MOD SP200 2" - 13000 GPH @ 10' HD	2 HP E	1,344	0.47		0.08	0.15	0.18		1		
5930	MOD SP300 3" - 19000 GPH @ 15' HD	4 HP E	1,662	0.78		0.10	0.19	0.35		1		
RIPPER & HYDRAULIC BANK SLOPER												

(DOES NOT INCLUDE COST OF POINT WEAR)												
ATECO												
5940	LPAF-D8K	PARALLEL LIFT	25,901	6.57	8.92	1.66	3.59	0.00	4.50	0.00	101	
5945	D-8K	SHANKS EA	2,058	0.51	0.69	0.13	0.28	0.00	0.35	0.00	11	
5950	LPAF-D7G	PARALLEL LIFT	19,217	4.88	6.61	1.23	2.66	0.00	3.33	0.00	57	
5955	D-7G	SHANKS EA	902	0.23	0.31	0.06	0.13	0.00	0.16	0.00	5	
5960	V-LPRF-TD25E	PARALLEL LIFT STD SVC	22,330	5.67	7.69	1.43	3.09	0.00	3.87	0.00	97	
5965	TD-25C	SHANKS EA	2,011	0.50	0.69	0.13	0.28	0.00	0.35	0.00	8	
5970	V-LPRF-TD20E	PARALLEL LIFT STD SVC	16,004	4.08	5.52	1.03	2.22	0.00	2.77	0.00	51	
5975	TD-20E	SHANKS EA	1,277	0.32	0.43	0.08	0.18	0.00	0.22	0.00	4	
5980	PS-TD15C	RADIAL LIFT	9,302	2.40	3.24	0.59	1.29	0.00	1.61	0.00	22	
5985	TD-15C	SHANKS EA	503	0.13	0.17	0.03	0.07	0.00	0.09	0.00	1	
5990	V-LPRF 82-50	PARALLEL LIFT STD SVC	24,892	6.31	8.55	1.60	3.46	0.00	4.32	0.00	105	
5995	82-50	SHANKS EA	2,011	0.50	0.69	0.13	0.28	0.00	0.35	0.00	8	
6000	V-LPRF-82-30B	PARALLEL LIFT	22,092	5.61	7.59	1.42	3.07	0.00	3.83	0.00	89	
6005	82-30	SHANKS EA	2,699	0.68	0.92	0.18	0.38	0.00	0.47	0.00	8	
6010	HBS-HYDR	BANK SLOPER 260-475 HP	9,646	2.08	2.63	0.56	1.14	0.00	1.34	0.00	28	
CATERPILLAR												
6020	D-10 MULTI-SHANK BEAM		51,076	12.98	17.60	3.27	7.08	0.00	8.86	0.00	218	
6025	D-10 SHANKS EA		3,716	0.93	1.26	0.24	0.52	0.00	0.64	0.00	15	
6030	D-10 SINGLE-SHANK BEAM		54,177	13.74	18.64	3.47	7.51	0.00	9.40	0.00	209	
6035	D-9L MULTI-SHANK BEAM W/HYD-CONTROL		43,098	10.93	14.83	2.76	5.98	0.00	7.48	0.00	162	
6040	D-9L SHANKS EA		3,344	0.83	1.14	0.21	0.46	0.00	0.58	0.00	14	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	SEVERE COND.	
	RIPPER & HYDR BANK SLOPER (CONT'D) ***** (DOES NOT INCLUDE COST OF POINT WEAR)									
	CATERPILLAR (CONT'D)									
6045	D-9L SINGLE-SHANK BEAM HYD-CNIL&SHANK	40,162	10.19	13.83	2.57	5.57	0.00	6.97	0.00	156
6050	D-8L MULTI-SHANK BEAM HYD-CONTROL	28,979	7.34	9.95	1.86	4.02	0.00	5.02	0.00	98
6055	D-8L SHANKS EA	1,873	0.47	0.64	0.12	0.26	0.00	0.33	0.00	7
6060	D-8L SINGLE-SHANK BEAM HYD-CNIL&SHANK	28,226	7.16	9.70	1.81	3.92	0.00	4.89	0.00	101
6065	D-7G MULTI-SHANK BEAM HYD-CONTROL	16,216	4.13	5.59	1.04	2.25	0.00	2.81	0.00	57
6070	D-7G SHANKS EA	961	0.25	0.33	0.07	0.14	0.00	0.17	0.00	3
6075	D-6D MULTI-SHANK BEAM HYD-CONTROL	10,133	2.62	3.52	0.65	1.41	0.00	1.75	0.00	34
6080	D-6D SHANKS EA	487	0.12	0.16	0.03	0.07	0.00	0.08	0.00	1
6085	D-4E MULTI-SHANK BEAM HYD-CONTROL	6,263	1.65	2.21	0.41	0.87	0.00	1.09	0.00	22
6090	D-4E SHANKS EA	266	0.07	0.09	0.02	0.04	0.00	0.05	0.00	1
6095	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,757	0.77	1.02	0.18	0.38	0.00	0.48	0.00	7
6100	D-3B SHANKS EA	150	0.04	0.06	0.01	0.02	0.00	0.03	0.00	1
	FIAT-ALLIS									
6110	FD-50 W/HYD-CNIL AND 1 SHANK	56,886	14.49	19.63	3.65	7.89	0.00	9.87	0.00	280
6115	FD-40 W/HYD-CNIL AND 2 SHANKS	44,338	11.28	15.28	2.84	6.15	0.00	7.69	0.00	200
6120	FD-30 W/HYD-CNIL AND 2 SHANKS	32,889	8.32	11.28	2.11	4.56	0.00	5.70	0.00	108
6125	RP20B W/HYD-CNIL AND 3 SHANKS	19,686	5.01	6.78	1.26	2.73	0.00	3.41	0.00	88
	ROLLER, RUBBER TIRED, SELF-PROPELLED *****									
	FERGUSON									
6135	MOD SP-912	12 TON	85 HP D	39,017	11.86		2.24	4.46	2.87	
6140	MOD SP-915	15 TON	85 HP D	43,308	12.76		2.49	4.96	2.87	
6145	MOD SP-1118	18 TON	85 HP D	50,005	14.19		2.87	5.72	2.87	
6150	MOD SP-1130	30 TON	125 HP D	80,316	22.39		4.60	9.14	4.23	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP												
			AVERAGE	SEVERE															
ROLLER, R/T, SELF-PROPELLED (CONT'D) *****																			
INGRAM																			
6160	9-2800-P	12 TON	76 HP D	34,011	10.44	1.95	3.88	2.57		73									
6165	9-2800-PA	12 TON	76 HP D	36,637	11.00	2.11	4.19	2.57		86									
6170	9-3400-P	15 TON	78 HP D	37,566	11.26	2.15	4.29	2.64		97									
6175	11-2700	15 TON	107 HP G	36,170	18.50	2.07	4.11	8.69		89									
6180	11-2700	15 TON	76 HP D	40,210	11.77	2.31	4.58	2.57		91									
6185	13-2300	15 TON	107 HP G	37,754	18.85	2.16	4.27	8.69		86									
6190	13-2300	15 TON	76 HP D	41,826	12.13	2.40	4.75	2.57		90									
6195	9-6000	27 TON	117 HP D	91,589	24.46	5.24	10.40	3.96		205									
TAMPO																			
6205	SP-312	12 TON	68 HP D	36,981	10.72	2.12	4.22	2.30		66									
6210	SP-518	15 TON	68 HP D	45,946	12.60	2.65	5.29	2.30		95									
6215	SP-950	27 TON	130 HP D	94,793	25.64	5.43	10.81	4.40		198									
6220	SP-1070 M	35 TON	130 HP D	114,110	30.25	6.44	12.59	4.40		258									
ROLLER, RUBBER TIRED, TOWED *****																			
FERGUSON																			
6230	RT-100S	50 TON		63,450	13.17	3.36	6.12	0.00		200									
6235	RT-120S	60 TON		74,678	16.19	4.16	8.01	0.00		218									
SOUTHWEST																			
6245	C 50	50 TON		76,627	16.12	4.15	7.73	0.00		344									
6250	C 75	75 TON		86,094	18.05	4.59	8.43	0.00		408									
6255	C 100XL	100 TON		116,687	24.68	6.37	12.01	0.00		601									
TAMPO																			
6265	R-13	14 TON		9,540	2.12	0.52	0.97	0.00		35									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED *****												
FERGUSON												
6275	MOD 112	40"X48"	3-7 TON	13,615	2.99	0.79	1.59	0.00	65			
6280	MOD 112W	40"X48"	4.5-8 TON	17,379	3.79	1.01	2.04	0.00	91			
6285	MOD 112W-48	48"X48"	5-10 TON	18,002	3.92	1.05	2.11	0.00	105			
6290	MOD 120	60"X60"	8-18 TON	26,955	5.80	1.57	3.16	0.00	157			
6295	MOD 120 MOD	60"X60"	8-18 TON	41,153	8.79	2.39	4.82	0.00	230			
6300	MOD 120-RE	60"X60"	16-20 TON	61,142	12.99	3.55	7.16	0.00	327			
6305	MOD 22	60"X72"	16-20 TON	40,572	8.67	2.36	4.75	0.00	215			
6310	MOD 22 MOD	60"X72"	16-20 TON	47,199	10.05	2.74	5.52	0.00	269			
6315	MOD 144-RE	60"X72"	19-24 TON	71,970	15.27	4.19	8.43	0.00	385			
TAMPO												
6325	H-1 TF	40"X48"	2.6TON	6,047	1.41	0.35	0.71	0.00	32			
6330	H-2 TF	40"X48"	5 TON	12,214	2.71	0.71	1.43	0.00	63			
ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED *****												
CATERPILLAR												
6340	815 B	40.5"X38"	210 HP D	154,083	41.19	8.95	18.03	7.10	419			
6345	825C	51"X44"	310 HP D	231,274	61.63	13.44	27.07	10.48	633			
6350	825C	W/S BLADE	310 HP D	244,573	64.43	14.21	28.63	10.48	684			
HYSTER												
6360	C455-B TANDEM	80"X80"	ARTIC	330 HP D	251,112	66.64	14.59	29.39	11.16	573		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	
	ROLLER, SMOOTH WHEEL, SELF-PROPELLED *****									
	FERGUSON									
6370	3-5 TON	TANDEM	52 HP D	26,325	7.71		1.53	3.08	1.76	77
6375	4-6 TON	TANDEM	52 HP D	31,444	8.79		1.83	3.68	1.76	96
6380	5-8 TON	TANDEM	85 HP D	47,948	13.64		2.78	5.61	2.87	136
6385	8-10 TON	TANDEM	85 HP D	50,379	14.16		2.93	5.90	2.87	174
6390	8-12 TON	TANDEM	85 HP D	52,581	14.61		3.05	6.15	2.87	176
6395	10-14 TON	TANDEM	85 HP D	55,090	15.14		3.20	6.45	2.87	219
	INGRAM									
6405	12 TON EB 3 WHEEL 3" OVERLAP	107 HP G	52,801	21.87		3.07	6.18	8.69		194
6410	12 TON EB 3 WHEEL 3" OVERLAP	85 HP D	56,558	15.45		3.28	6.62	2.87		196
6415	14 TON EB 3 WHEEL 3" OVERLAP	107 HP G	56,132	22.57		3.26	6.57	8.69		221
6420	14 TON EB 3 WHEEL 3" OVERLAP	85 HP D	59,889	16.15		3.48	7.01	2.87		223
6425	4-6 TON FB 2 WHEEL	TANDEM	54 HP G	25,818	10.86		1.50	3.02	4.38	82
6430	6-9 TON GB 2 WHEEL	TANDEM	107 HP G	35,206	18.17		2.04	4.12	8.69	133
6435	6-9 TON GB 2 WHEEL	TANDEM	85 HP D	38,963	11.75		2.27	4.56	2.87	135
6440	8-12 TON HB 2 WHEEL	TANDEM	107 HP G	42,783	19.76		2.48	5.00	8.69	171
6445	8-12 TON HB 2 WHEEL	TANDEM	85 HP D	46,540	13.35		2.71	5.45	2.87	173
6450	10-14 TON HB 2 WHEEL	TANDEM	107 HP G	46,305	20.51		2.69	5.42	8.69	203
6455	10-14 TON HB 2 WHEEL	TANDEM	85 HP D	50,062	14.09		2.91	5.86	2.87	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, VIBRATORY, SINGLE DRUM, TOWED *****												
TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS												
DYNAPAC												
6465	CK-11	40HZ	30"X55"	5 TON	18 HP	G	12,880	6.31	0.83	1.78	2.01	31
6470	CF-11	40HZ	TF 30"X55"	5 TON	18 HP	G	15,719	7.10	1.01	2.16	2.01	32
6475	CH-47	27HZ	47"X74"	13 TON	43 HP	D	37,975	13.44	2.43	5.23	2.03	130
6480	CF-47	27HZ	TF 47"X74"	13 TON	43 HP	D	36,926	13.14	2.36	5.08	2.03	135
6485	CK-51	25HZ	59"X83"	24 TON	95 HP	D	51,855	20.60	3.32	7.14	4.48	221
6490	CF-51	25HZ	TF 59"X83"	24 TON	95 HP	D	54,630	21.39	3.49	7.52	4.48	226
FERGUSON												
6500	65	25HZ	TF 60"X72"	11 TON	49 HP	D	36,097	13.28	2.31	4.97	2.31	110
6505	65T	30HZ	TF 44"X72"	11 TON	49 HP	D	39,307	14.18	2.52	5.41	2.31	127
6510	230	25HZ	66"X78"	20 TON	77 HP	D	63,519	22.78	4.06	8.74	3.63	237
6515	230T	25HZ	TF 66"X78"	21 TON	77 HP	D	69,100	24.36	4.42	9.51	3.63	268
HYSSTER												
6525	C200B	30HZ	48"X60"	9 TON	39 HP	D	31,150	11.26	2.00	4.29	1.84	80
6530	C210A	30HZ	TF 58"X60"	9 TON	39 HP	D	36,852	12.87	2.36	5.07	1.84	100
RAYGO												
6540	SF-54A	TF	38HZ 30"X54"	7.5TON	30 HP	D	18,608	7.14	1.19	2.56	1.42	48
6545	SM-54A		38HZ 30"X54"	7.5TON	30 HP	D	16,917	6.66	1.09	2.33	1.42	48
SOUTHWEST												
6555	756	25HZ	TF 66"X78"	23.5TON	75 HP	D	78,274	26.84	5.00	10.77	3.54	240
6560	566	33HZ	TF 56"X72"	25.5TON	50 HP	D	59,722	20.03	3.82	8.22	2.36	165

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
	ROLLER,VIB,SINGLE DRUM,SELF-PROPELLED ***** TF-ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS										
	DYNAPAC										
6575	CA-15 29HZ 48"X66" 11 TON 73 HP D	59,796	21.51		3.81	8.17	3.44			132	
6580	CA-15A 42HZ 48"X66" 12 TON 85 HP D	68,751	24.88		4.33	9.19	4.01			144	
6585	CA-15PD 29HZ TF 53"X66" 13 TON 85 HP D	76,849	27.09		4.90	10.52	4.01			157	
6590	CA-25A 40HZ 60"X84" 18 TON 125 HP D	89,618	33.29		5.67	12.10	5.90			200	
6595	CA-25 28HZ 60"X84" 18 TON 125 HP D	82,328	31.20		5.21	11.12	5.90			200	
6600	CA-25S 28HZ 61"X84" 22 TON 125 HP D	87,132	32.56		5.52	11.78	5.90			225	
6605	CA-25PD 28HZ 68"X84" 22 TON 125 HP D	99,045	35.94		6.28	13.42	5.90			248	
6610	CA-30 28HZ 61"X84" 22 TON 125 HP D	91,260	33.75		5.79	12.36	5.90			242	
6615	CA-30D 28HZ 61"X84" 22 TON 125 HP D	98,760	35.86		6.26	13.38	5.90			252	
	FERGUSON										
6625	SP 266A 42HZ 48"X66" 15 TON 125 HP D	84,521	31.74		5.41	11.64	5.90			225	
6630	SP 75 30HZ 60"X84" 22.5 TON 85 HP D	69,755	25.14		4.41	9.39	4.01			191	
6635	SP 75D 30HZ 60"X84" 22.5 TON 120 HP D	73,959	28.52		4.68	9.97	5.66			193	
6640	SP 75DT 30HZ TF 60"X84" 22.5 TON 120 HP D	84,196	31.42		5.34	11.38	5.66			236	
	INGERSOLL RAND										
6650	SPF-56 30HZ TF 56"X84" 21 TON 115 HP D	89,473	32.59		5.67	12.10	5.42			222	
6655	SP-60DD 25HZ 60"X100" 30 TON 203 HP D	132,001	50.18		8.36	17.84	9.58			377	
	RAYGO										
6665	RASCAL 220A 30HZ TF38"X48" 6 TON 70 HP D	56,906	20.49		3.63	7.80	3.30			97	
6670	RASCAL 303A 38HZ 48"X66" 8 TON 70 HP D	57,106	20.56		3.64	7.79	3.30			137	
6675	RASCAL 320A 25HZ TF48"X60" 8 TON 80 HP D	75,897	26.50		4.84	10.39	3.77			151	
6680	RASCAL 320S 25HZ 48"X60" 8 TON 80 HP D	63,908	23.11		4.07	8.73	3.77			144	
6685	RUSTLER 304A 28HZ 48"X66" 8 TON 70 HP D	62,512	22.18		3.93	8.33	3.30			130	
6690	RUSTLER 404B 28HZ 59"X84"13.5TON 88 HP D	85,753	29.85		5.44	11.63	4.15			175	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
ROLLER, VIBRATORY, SD, S/P (CONT'D)														

TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
RAYGO (CONT'D)														
6695	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	94,775	34.34		6.01	12.86	5.61			225				
6700	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	79,978	30.54		5.06	10.80	5.90			224				
6705	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	111,354	39.07		7.07	15.09	5.61			358				
6710	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	96,857	34.96		6.14	13.10	5.61			316				
6715	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	87,533	32.73		5.52	11.74	5.90			263				
TAMPO														
6725	RS-16A 26HZ 48'X24" 7.5TON 68 HP D	61,147	21.67		3.84	8.14	3.21			124				
6730	RS-16 26HZ 48"X24" 8 TON 68 HP D	53,560	19.44		3.41	7.31	3.21			115				
6735	RS-16D 26HZ 48"X24" 8 TON 80 HP D	64,980	23.41		4.14	8.88	3.77			123				
6740	RH-16A 26HZ 48"X24" 9 TON 75 HP D	71,476	25.04		4.51	9.57	3.54			153				
6745	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	71,440	25.24		4.55	9.76	3.77			127				
6750	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	93,526	33.44		5.93	12.66	5.19			212				
6755	RS-28C 25HZ 60"X84" 15 TON 107 HP D	77,967	28.85		4.93	10.52	5.05			202				
6760	RS-28D 25HZ 60"X84" 15 TON 107 HP D	84,212	30.63		5.34	11.39	5.05			208				
6765	RH-28D 28HZ 60"X84"22.5TON 110 HP D	107,111	37.29		6.80	14.54	5.19			259				
ROLLER,VIB,DOUBLE DRUM,SELF-PROPELLED														

TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
DYNAPAC														
6775	LR-50 60HZ TANDEM 2 TON 16 HP D	11,028	4.11		0.70	1.51	0.75			25				
6780	CC-10 50HZ TANDEM 2 TON 34 HP D	29,014	10.33		1.85	3.99	1.60			50				
6785	CC-21 50HZ TANDEM 4 TON 71 HP D	68,583	23.85		4.39	9.44	3.35			137				
6790	CC-42II 42HZ TANDEM 12 TON 125 HP D	92,229	33.91		5.90	12.69	5.90			200				
6795	CC-50A 40HZ TANDEM 18 TON 155 HP D	111,290	41.18		7.12	15.32	7.31			310				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT						
			CONDITION		STAND-BY	AVERAGE OWNERSHIP	SEVERE OWNERSHIP	COND.								
			AVERAGE	SEVERE				FUEL	SEVERE FUEL							
ROLLER, VIBRATORY, DD, S/P (CONT'D)																

TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS																

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	OWNER-SHIP	
	SCRAPERS, SELF-PROPELLED (CONT'D) ***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	CATERPILLAR (CONT'D)									
6905	631-D 37.5T 21-31 CY P.S. 450 HP D	390,833	99.53	129.55	22.11	44.95	14.02	52.97	18.42	934
6910	633-D 37.5T 34 CY P.S. 450 HP D	445,105	114.33	148.00	25.27	51.55	15.62	60.76	20.43	1042
6915	637-D 37.5T 21-31 CY P.S. 450/250 HP D/D	479,479	133.09	174.20	27.27	55.72	23.05	65.70	29.90	1053
6920	637-D PP 37.5T 21-31 CY P.S. 450/250 HP D/D	500,140	137.13	179.21	28.47	58.23	23.05	68.66	29.90	1077
6925	639-D 37.5T 24-34 CY P.S. 450/250 HP D/D	550,863	149.92	197.08	31.25	63.70	23.05	75.07	29.90	1223
6930	651-B 52 T 32-44 CY P.S. 550 HP D	502,175	127.21	165.86	28.36	57.58	17.13	67.84	22.52	1230
6935	657-B 52 T 32-44 CY P.S. 550/400 HP D/D	618,649	174.36	228.59	35.14	71.73	31.28	84.56	40.58	1516
	FIAT-ALLIS									
950	161 18.7 T 15 CY P.S. 229 HP D	178,901	48.37	62.77	10.13	20.64	7.95	24.33	10.39	466
6955	260B 25.0 T 15-21 CY P.S. 325 HP D	241,226	63.42	82.60	13.65	27.74	10.12	32.67	13.31	585
6960	261B 26.5 T 23 CY P.S. 325 HP D	270,696	74.03	97.16	15.17	30.55	11.28	35.96	14.75	635
6965	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	285,651	83.36	109.55	16.19	33.00	16.33	38.90	21.19	679
6970	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	340,601	93.65	122.06	19.42	39.78	16.33	46.92	21.19	742
	INTERNATIONAL									
6980	412B 13 T 11 CY P.S. 125 HP D	127,507	33.53	43.13	7.26	14.37	4.34	16.86	5.67	335
6985	431B 24 T 14-21 CY P.S. 326 HP D	253,023	66.02	86.06	14.30	29.04	10.15	34.21	13.35	609
6990	433B 24 T 14-21 CY P.S. 326/185 HP D/D	296,726	86.16	113.05	16.84	34.35	16.83	40.49	21.83	700
6995	442B 25 T 22 CY P.S. 326 HP D	282,810	74.73	96.92	16.03	32.66	11.32	38.50	14.80	680
	JOHN DEERE									
7005	JD762A 13.7 T 11 CY P.S. 175 HP D	134,961	37.45	48.18	7.69	15.24	6.07	17.88	7.94	355
7010	JD862 20.0 T 16 CY P.S. 250 HP D	182,868	50.11	64.98	10.37	21.12	8.68	24.89	11.35	492

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
			AVERAGE	SEVERE							
	SCRAPERS, SELF-PROPELLED (CONT'D) ***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH/PULL ATTACHMENT)										
	TEREX (GM)										
7020	S-23E 26.5T 23 CY P.S. 310 HP D	265,725	70.64	91.79	15.03	30.58	10.76	36.04	14.07	660	
7025	S-24B 40.8T 24-34 CY P.S. 475 HP D	422,129	107.55	140.26	23.84	48.38	14.80	56.99	19.45	955	
7030	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	271,709	71.13	93.25	15.44	31.53	9.48	37.16	12.30	544	
7035	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	459,241	125.48	164.34	26.11	53.33	20.38	62.88	26.44	960	
7040	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	540,436	147.29	192.97	30.72	62.74	23.61	73.98	30.63	1084	
	SCRAPER, TRACTOR DRAWN *****										
	ROME										
7055	ROME 18T 12-17CY HYDR/CONTROL	77,783	14.39	17.31	4.07	7.79	0.00	8.83	0.00	23 ^c	
7060	ROME 27T 18-26CY HYDR/CONTROL	102,561	19.29	23.30	5.30	10.02	0.00	11.35	0.00	3 ^c	
	SOUTHWEST-HUME										
7070	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	39,840	7.48	9.02	2.07	3.91	0.00	4.43	0.00	137	
	SOIL STABILIZER *****										
	BOMAG										
7080	MOD MPH-50 12"DEEP BY 82"WIDE 152 HP D	97,023	27.02	35.08	5.60	11.23	5.28	13.20	6.90	208	
7085	MOD MPH-100 14.5"DEEP X 79"WIDE 304 HP D	152,039	45.52	59.29	8.75	17.52	10.55	20.58	13.80	300	
	BROS										
7095	MOD LSPRM-8A 19"DEEP X 99.75"WIDE 318 HP D	137,666	42.32	54.66	7.97	16.05	11.04	18.88	14.43	300	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) *****														
CATERPILLAR														
7105	D-3B P.S.	65 HP D	40,632	12.82	16.43	2.36	4.63	2.37	5.42	3.12	130			
7110	3P POWER ANGLE & POWER TILT		8,181	1.77	2.23	0.47	0.96	0.00	1.13	0.00	24			
7115	D-4E P.S.	80 HP D	56,666	17.35	22.23	3.29	6.45	2.92	7.56	3.84	184			
7120	4A ANGLE BLADE HYDRAULIC		10,823	2.31	2.93	0.63	1.27	0.00	1.50	0.00	28			
7125	4S STRAIGHT BLADE HYDRAULIC		8,246	1.79	2.25	0.49	0.98	0.00	1.14	0.00	25			
7130	D-5B P.S.	105 HP D	83,365	24.90	31.89	4.84	9.50	3.83	11.12	5.05	234			
7135	5A ANGLE BLADE HYDRAULIC		13,549	2.88	3.65	0.79	1.60	0.00	1.88	0.00	43			
7140	5S STRAIGHT BLADE HYDRAULIC		10,684	2.29	2.90	0.62	1.26	0.00	1.48	0.00	36			
7145	D-6D P.S.	140 HP D	112,683	33.57	42.97	6.54	12.84	5.11	15.03	6.73	283			
7150	6S STRAIGHT BLADE HYDRAULIC		13,849	2.94	3.73	0.81	1.63	0.00	1.92	0.00	49			
7155	6A ANGLE BLADE HYDRAULIC		15,578	3.31	4.19	0.91	1.84	0.00	2.16	0.00	53			
7160	D-7G P.S.	200 HP D	163,520	48.55	62.15	9.50	18.63	7.30	21.82	9.61	378			
7165	7S STRAIGHT BLADE HYDRAULIC		21,465	4.52	5.74	1.25	2.53	0.00	2.98	0.00	77			
7170	7U HYD. UNIVERSAL BLADE		23,516	4.94	6.28	1.37	2.77	0.00	3.26	0.00	84			
7175	7A ANGLE BLADE HYDRAULIC		18,735	3.96	5.01	1.09	2.21	0.00	2.59	0.00	68			
7180	D-8L P.S.	335 HP D	255,144	72.21	92.77	14.84	31.05	12.22	36.71	16.10	735			
7185	8S STRAIGHT BLADE HYDRAULIC		31,396	6.61	8.40	1.83	3.70	0.00	4.35	0.00	120			
7190	8U HYD. UNIVERSAL BLADE		34,610	7.29	9.26	2.01	4.08	0.00	4.80	0.00	133			
7195	8A ANGLE BLADE HYDRAULIC		31,600	6.67	8.46	1.84	3.73	0.00	4.38	0.00	133			
7200	PUSH PLATE USE W/8S		937	0.24	0.30	0.06	0.11	0.00	0.13	0.00	6			
7205	D-9L P.S.	460 HP D	341,101	85.73	106.85	18.41	36.47	16.79	41.51	22.11	1004			
7210	9S STRAIGHT BLADE HYDRAULIC		43,558	9.18	11.67	2.53	5.13	0.00	6.04	0.00	184			
7215	9U HYD. UNIVERSAL BLADE		46,034	9.70	12.33	2.68	5.42	0.00	6.38	0.00	195			
7220	9C CUSHION BLADE		38,347	8.09	10.28	2.23	4.52	0.00	5.32	0.00	160			
7225	REAR CUSHION PUSH BLOCK		11,282	2.45	3.09	0.66	1.33	0.00	1.56	0.00	41			
7230	FRONT PUSH PLATE		1,264	0.34	0.42	0.08	0.15	0.00	0.18	0.00	9			
7235	D-10 P.S.	700 HP D	571,395	140.39	174.76	30.83	61.08	25.54	69.54	33.64	1526			

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

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

CATERPILLAR (CONT'D)														
7240	10S	STRAIGHT BLADE HYDRAULIC	65,985	13.92	17.68	3.83	7.77	0.00	9.15	0.00				
7245	10U	HYD. UNIVERSAL BLADE	72,348	15.24	19.37	4.20	8.52	0.00	10.03	0.00				
7250		FRONT PUSH PLATE	1,439	0.37	0.46	0.08	0.16	0.00	0.20	0.00				
7255	10C	CUSHION BLADE	48,945	10.32	13.11	2.85	5.77	0.00	6.79	0.00				
FIAT-ALLIS														
7265	FD5 P.S. W/HYD. ANGLE TILT BLADE	63 HP D	46,079	14.01	17.95	2.68	5.25	2.30	6.15	3.03				
7270	FD7 P.S. W/POW. ANGLE TILT BLADE	78 HP D	54,423	16.72	21.43	3.16	6.20	2.85	7.26	3.75				
7275	8-B P.S.	88 HP D	61,137	18.82	24.10	3.55	6.97	3.21	8.16	4.23				
7280	8-HA ANGLE BLADE HYDRAULIC		9,466	2.03	2.57	0.55	1.11	0.00	1.31	0.00				
7285	8-HSU SEMI-U BLADE HYDRAULIC		9,453	2.00	2.54	0.55	1.11	0.00	1.31	0.00				
7290	10-C P.S.	122 HP D	84,513	26.01	33.34	4.91	9.63	4.45	11.28	5.86				
7295	10-HA ANGLE BLADE HYDRAULIC		10,561	2.26	2.86	0.61	1.24	0.00	1.46	0.00				
7300	10-HSU SEMI-U BLADE HYDRAULIC		12,869	2.70	3.44	0.75	1.51	0.00	1.78	0.00				
7305	14-C P.S.	150 HP D	109,255	33.25	42.62	6.35	12.45	5.47	14.59	7.21				
7310	14-HA ANGLE BLADE HYDRAULIC		16,133	3.41	4.34	0.94	1.90	0.00	2.24	0.00				
7315	14-HSU SEMI-U BLADE HYDRAULIC		16,109	3.38	4.29	0.94	1.90	0.00	2.23	0.00				
7320	FD 20 P.S.	223 HP D	164,900	50.02	64.08	9.57	18.79	8.14	22.01	10.72				
7325	20-HA ANGLE BLADE HYDRAULIC		17,277	3.66	4.64	1.01	2.04	0.00	2.40	0.00				
7330	20-HS STRAIGHT BLADE HYDRAULIC		18,116	3.82	4.86	1.05	2.13	0.00	2.51	0.00				
7335	20-HSU SEMI-U BLADE HYDRAULIC		24,497	5.12	6.51	1.43	2.89	0.00	3.40	0.00				
7340	FD 30 P.S.	300 HP D	252,795	70.07	89.96	14.70	30.76	10.95	36.38	14.42				
7345	30HSU HYD. SEMI-UNIVERSAL BLADE		34,266	7.21	9.15	1.99	4.04	0.00	4.75	0.00				
7350	30-HU FULL-U BLADE HYDRAULIC		34,646	7.26	9.24	2.01	4.08	0.00	4.81	0.00				
7355	FD40 P.S.	455 HP D	364,651	89.96	112.03	19.68	38.98	16.60	44.38	21.87				
7360	40-HSU SEMI-U BLADE HYDRAULIC		52,076	10.99	13.95	3.03	6.14	0.00	7.22	0.00				
7365	40-HU FULL-U BLADE HYDRAULIC		53,398	11.29	14.33	3.10	6.29	0.00	7.40	0.00				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION		STAND BY	OWNER-SHIP	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE			FUEL	OWNER-SHIP	FUEL						
TRACTOR, CRAWLER (DOZER) (CONT'D) *****															
FIAT-ALLIS (CONT'D)															
7370	40-HC	CUSHION BLADE	33,107	6.96	8.85	1.92	3.90	0.00	4.59	0.00	120				
7375	FD 50	P.S. 525 HP D	489,400	116.87	145.25	26.41	52.31	19.16	59.56	25.23	1280				
7380	50-HSU	SEMI-U BLADE HYDRAULIC	59,804	12.63	16.03	3.48	7.05	0.00	8.29	0.00	250				
7385	50-HU	FULL-U BLADE HYDRAULIC	68,404	14.39	18.29	3.97	8.06	0.00	9.49	0.00	280				
7390	50-HC	CUSHION BLADE	38,125	8.00	10.17	2.22	4.49	0.00	5.28	0.00	140				
INTERNATIONAL															
7400	TD-7-E	P.S. W/HYD BLADE	65 HP D	50,785	15.21	19.49	2.95	5.78	2.37	6.78	3.12	139			
7405	TD-8-E	P.S. W/HYD BLADE	78 HP D	63,668	18.90	24.22	3.70	7.25	2.85	8.50	3.75	172			
7410	TD-12	P.S. W/HYD BLADE	110 HP D	93,042	27.44	35.12	5.40	10.60	4.01	12.42	5.29	267			
7415	TD-15-C	P.S.	140 HP D	120,575	35.42	45.34	7.00	13.73	5.11	16.09	6.73	271			
7420	15D-2	HYD. SEMI-UNIVERSAL BLADE		13,196	2.77	3.53	0.76	1.55	0.00	1.83	0.00	46			
7425	15G-2	ANGLE BLADE HYDRAULIC		14,864	3.12	3.97	0.87	1.75	0.00	2.06	0.00	50			
7430	TD-20-E	P.S.	210 HP D	185,505	54.23	69.41	10.77	21.13	7.66	24.76	10.09	476			
7435	20D-2	HYD. SEMI-UNIVERSAL BLADE		23,186	4.85	6.17	1.35	2.74	0.00	3.22	0.00	61			
7440	20G-2	ANGLE BLADE HYDRAULIC		15,900	3.34	4.24	0.93	1.88	0.00	2.20	0.00	71			
7445	TD-25-E	P.S.	310 HP D	238,418	67.34	86.51	13.87	29.01	11.31	34.31	14.90	700			
7450	25D-2	HYD. SEMI-UNIVERSAL BLADE		28,854	6.07	7.71	1.68	3.40	0.00	4.00	0.00	113			
7455	25G-2	ANGLE BLADE HYDRAULIC		24,000	5.08	6.45	1.40	2.83	0.00	3.33	0.00	115			
7460	FRONT PUSHER CUSHION			9,931	2.13	2.70	0.58	1.17	0.00	1.38	0.00	29			
7465	REAR PUSHER CUSHION			5,818	1.33	1.67	0.34	0.68	0.00	0.81	0.00	23			
7470	FRONT PUSH BLK FOR S/BLD			976	0.29	0.34	0.06	0.12	0.00	0.14	0.00	12			
JOHN DEERE															
7480	JD350C/6305	D.D. W/HYD BLADE	42 HP D	35,274	10.41	13.34	2.05	4.02	1.53	4.71	2.02	107			
7485	JD450C/6405	D.D. W/HYD BLADE	65 HP D	49,838	14.98	19.20	2.89	5.67	2.37	6.65	3.12	143			
7490	JD550/6405	P.S. W/HYD BLADE	72 HP D	59,600	17.66	22.60	3.46	6.79	2.63	7.95	3.46	156			
7495	JD750 LPG	H.S. W/STR BLADE	110 HP D	110,308	31.52	40.30	6.41	12.57	4.01	14.72	5.29	336			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	TRACTOR, CRAWLER (DOZER) (CONT'D) *****										
	JOHN DEERE (CONT'D)										
7500	JD850 LPG H.S. W/STR BLADE	145 HP D	145,537	41.57	53.17	8.45	16.58	5.29	19.42	6.97	449
	KOMATSU										
7510	D31A-17 H.S.	66 HP D	41,821	13.16	16.86	2.43	4.77	2.41	5.58	3.17	132
7515	ANGLE TILTDOZER BLADE		6,764	1.45	1.83	0.40	0.80	0.00	0.93	0.00	20
7520	D45A-1 H.S.	90 HP D	62,769	19.28	24.74	3.64	7.15	3.28	8.38	4.33	200
7525	ANGLE TILTDOZER BLADE		4,914	1.07	1.34	0.29	0.58	0.00	0.68	0.00	24
7530	D53A-16A H.S.	118 HP D	91,323	27.43	35.13	5.30	10.40	4.31	12.19	5.67	246
7535	ANGLE TILTDOZER BLADE		8,202	1.74	2.22	0.47	0.96	0.00	1.14	0.00	42
7540	D65E-6 H.S.	155 HP D	128,658	38.09	48.75	7.47	14.66	5.66	17.17	7.45	377
7545	ANGLE TILTDOZER BLADE		10,759	2.28	2.89	0.63	1.27	0.00	1.49	0.00	61
7550	D85A-18 H.S.	220 HP D	162,041	49.19	63.02	9.41	18.46	8.03	21.62	10.57	437
7555	ANGLE TILTDOZER BLADE		16,867	3.56	4.53	0.98	1.98	0.00	2.34	0.00	99
7560	U-DOZER BLADE		17,983	3.82	4.84	1.05	2.12	0.00	2.49	0.00	104
7565	D155A-1 H.S.	320 HP D	231,082	66.19	85.06	13.44	28.12	11.68	33.26	15.38	690
7570	ANGLE TILTDOZER BLADE		23,183	4.94	6.26	1.35	2.74	0.00	3.22	0.00	140
7575	U-DOZER BLADE		24,437	5.19	6.59	1.42	2.88	0.00	3.39	0.00	142
7580	D355A-3 H.S.	410 HP D	310,564	88.02	113.06	18.07	37.80	14.96	44.69	19.70	945
7585	U-DOZER BLADE		31,559	6.73	8.53	1.84	3.72	0.00	4.38	0.00	196
7590	STRAIGHT DOZER BLADE		28,780	6.13	7.77	1.67	3.39	0.00	3.99	0.00	184
7595	D455A-1 H.S.	620 HP D	549,166	132.53	164.83	29.63	58.70	22.62	66.84	29.80	1445
7600	FULL U-DOZER BLADE		73,963	15.54	19.75	4.30	8.72	0.00	10.26	0.00	229
7605	U-DOZER BLADE		69,480	14.57	18.53	4.03	8.18	0.00	9.63	0.00	211
7610	STRAIGHT DOZER BLADE		64,995	13.62	17.34	3.77	7.65	0.00	9.02	0.00	193

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) (CONT'D) *****														
TEREX (GM)														
7620	D700A P.S. (W/O BLADE)	205 HP D	165,071	49.16	62.95	9.59	18.81	7.48	22.03	9.85	409			
7625	SEMI-U BLADE HYDRAULIC		16,382	3.44	4.37	0.96	1.93	0.00	2.27	0.00	58			
7630	ANGLE BLADE HYDRAULIC		18,378	3.84	4.90	1.07	2.16	0.00	2.55	0.00	69			
7635	FULL-U BLADE HYDRAULIC		18,794	3.94	5.01	1.10	2.22	0.00	2.61	0.00	68			
7640	D750 P.S. (W/O BLADE)	260 HP D	192,237	54.77	70.37	11.18	23.39	9.49	27.66	12.50	555			
7645	SEMI-U BLADE HYDRAULIC		23,234	4.86	6.18	1.35	2.74	0.00	3.22	0.00	91			
7650	ANGLE BLADE HYD. W/DUAL TILT		30,467	6.35	8.08	1.77	3.59	0.00	4.22	0.00	118			
7655	FULL-U BLADE HYDRAULIC		25,421	5.30	6.76	1.48	2.99	0.00	3.53	0.00	107			
7660	D800 P.S. (W/O BLADE)	350 HP D	256,595	73.24	94.11	14.92	31.22	12.77	36.93	16.82	787			
7665	SEMI-U BLADE HYDRAULIC		30,349	6.40	8.13	1.77	3.58	0.00	4.21	0.00	118			
7670	FULL-U BLADE HYDRAULIC		33,267	7.01	8.90	1.93	3.92	0.00	4.61	0.00	129			
7675	CUSHIONED PUSH BLADE		29,075	6.12	7.78	1.69	3.42	0.00	4.03	0.00	113			
7680	PUSH PLATE (WELD ON)		1,236	0.31	0.37	0.08	0.15	0.00	0.17	0.00	6			
7685	PUSH BLOCK (CUSHION REAR)		7,713	1.70	2.14	0.44	0.90	0.00	1.07	0.00	21			
TRACTOR, WHEEL TYPE (DOZER) *****														
CATERPILLAR														
7695	814-B ARTICULATED ST BLADE P.S. 210 HP D		163,132	41.13	54.07	9.33	18.52	7.10	21.74	9.34	494			
7700	824-C ARTICULATED ST BLADE P.S. 300 HP D		239,246	61.47	82.69	13.53	26.62	10.15	31.21	13.35	624			
7705	834-B ARTICULATED ST BLADE P.S. 450 HP D		343,285	87.15	116.50	19.29	37.67	15.22	44.13	20.02	892			
CLARK														
7715	280B ARTICULATED ST BLADE P.S. 302 HP D		261,031	65.79	88.31	14.79	29.11	10.21	34.13	13.44	749			
7720	380B ARTICULATED ST BLADE P.S. 572 HP D		441,961	112.17	150.37	24.80	48.33	19.35	56.59	25.45	1253			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
TRACTOR, WHEEL TYPE (FARM) *****													
JOHN DEERE													
7730	MOD 301 A	43 HP D	14,159	4.64	6.12	0.81	1.60	1.45	1.88	1.91			
7735	MOD 302	50 HP D	15,942	5.27	6.91	0.91	1.81	1.69	2.12	2.22			
7740	MOD 401 B	62 HP D	18,010	6.21	8.13	1.03	2.03	2.10	2.38	2.76			
TRENCHER, CHAIN *****													
DITCH WITCH													
7750	MOD C99 6"x24" TRENCH	9 HP G	3,375	1.68	2.17	0.19	0.38	0.73	0.44	0.95			
7755	MOD 2200 8"x36" TRENCH	18 HP G	13,769	4.92	6.31	0.80	1.60	1.46	1.87	1.90			
7760	MOD 2300 10"x36" TRENCH	28 HP G	19,088	7.12	9.16	1.10	2.22	2.27	2.61	2.96			
7765	MOD 6510 12"x54" TRENCH	64 HP D	35,172	10.55	13.59	2.03	4.06	2.16	4.77	2.85			
7770	MOD R100 10"x72" TRENCH	105 HP D	71,700	20.38	26.20	4.14	8.30	3.55	9.75	4.67			
VERMEER													
7785	MOD V-430 10"x40" TRENCH	24 HP D	23,373	6.18	7.94	1.35	2.72	0.81	3.20	1.07			
7790	MOD M-455 18"x72" TRENCH	44 HP D	45,991	12.06	15.48	2.65	5.33	1.49	6.27	1.96			
7795	MOD M-475 18"x72" TRENCH	55 HP D	50,820	13.59	17.45	2.94	5.90	1.86	6.93	2.45			
7800	MOD T-600024"x96" TRENCH	113 HP D	80,831	22.61	29.04	4.69	9.50	3.82	11.18	5.03			
7805	MOD T-800B36"x96" TRENCH	175 HP D	158,367	42.30	54.25	9.20	18.61	5.92	21.91	7.79			
TRENCHER, WHEEL TYPE *****													
BARBER-GREENE													
7815	MOD TA 56 16"x5'-10" TRENCH	100 HP D	130,832	33.02	42.28	7.60	15.38	3.38	18.10	4.45			
7820	MOD TA 65 28"x7'-6" TRENCH	160 HP D	190,584	48.72	62.39	11.08	22.41	5.41	26.36	7.12			
7825	MOD TA 77 32"x8'-6" TRENCH	160 HP D	242,551	60.12	76.92	14.10	28.52	5.41	33.55	7.12			

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, WHEEL TYPE (CONT'D)														
CLEVELAND														
7835	MOD 236 17"X72" TRENCH	67 HP D	105,031	25.93	33.18	6.10	12.35	2.27	14.53	2.98	180			
7840	MOD 236HD 21"X72" TRENCH	67 HP D	114,375	27.98	35.79	6.65	13.45	2.27	15.82	2.98	200			
7845	MOD 246 25"X72" TRENCH	67 HP D	117,833	28.73	36.75	6.85	13.85	2.27	16.30	2.98	206			
7850	MOD 350 30"X90" TRENCH	150 HP D	221,840	55.12	70.56	12.89	26.07	5.07	30.69	6.67	455			
7855	MOD 400WHD36"X114" TRENCH	175 HP D	275,483	67.99	86.99	16.01	32.39	5.92	38.11	7.79	659			
TRUCKS, HIGHWAY														
(CHASSIS ONLY)														
FORD														
7870	F150 4X2 1/2T PKUP	6100 GVW 157 HP G	7,763	6.11	7.94	0.56	1.24	2.90	1.43	3.86	38			
7875	F150 4X4 1/2T PKUP	6250 GVW 157 HP G	9,593	6.67	8.67	0.68	1.53	2.90	1.77	3.86	42			
7880	F250 4X2 3/4T PKUP	6900 GVW 157 HP G	8,258	6.30	8.17	0.59	1.30	2.90	1.50	3.86	40			
7885	F250 4X4 3/4T PKUP	7400 GVW 157 HP G	9,958	6.83	8.87	0.71	1.57	2.90	1.82	3.86	44			
7890	F350 2AX	10000 GVW 157 HP G	9,408	6.71	8.70	0.67	1.46	2.90	1.68	3.86	42			
7895	F600 2AX	18500 GVW 154 HP G	16,941	12.57	16.43	1.05	2.12	6.63	2.62	8.52	65			
7900	F600 2AX	18500 GVW 162 HP D	23,278	9.89	13.16	1.45	2.96	3.60	3.67	4.68	65			
7905	F700 2AX	24500 GVW 177 HP G	19,536	14.43	18.87	1.21	2.46	7.62	3.05	9.80	65			
7910	F700 2AX	24500 GVW 162 HP D	26,295	10.55	14.07	1.64	3.36	3.60	4.17	4.68	73			
7915	F800 2AX	27000 GVW 177 HP G	21,534	14.93	19.53	1.33	2.70	7.62	3.35	9.80	72			
7920	F800 2AX	27000 GVW 162 HP D	27,561	11.10	14.76	1.69	3.40	3.60	4.21	4.68	76			
7925	LT800 3AX	43000 GVW 223 HP G	33,578	26.90	35.23	2.09	4.38	14.26	5.46	18.38	110			
7930	LT8000 3AX	44800 GVW 175 HP D	45,899	18.42	24.58	2.87	6.03	5.83	7.51	7.58	126			
7935	LTS8000 3AX	46000 GVW 175 HP D	48,029	18.91	25.24	3.00	6.31	5.83	7.87	7.58	130			
7940	LNT8000 3AX	46000 GVW 175 HP D	45,418	18.33	24.42	2.83	5.96	5.83	7.41	7.58	124			
7945	CT8000 3AX	46000 GVW 175 HP D	52,891	20.00	26.72	3.31	6.98	5.83	8.70	7.58	136			
7950	LT9000 3AX 58000 GVW	82000 GCW 239 HP D	69,602	26.70	35.68	4.35	9.19	7.96	11.45	10.35	172			
7955	LTS9000 3AX 60000 GVW	82000 GCW 239 HP D	73,923	27.72	37.07	4.62	9.75	7.96	12.15	10.35	180			

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

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

(CHASSIS ONLY)														
FORD (CONT'D)														
7960	LNT9000	3AX 60000 GVW 82000 GCW 239 HP D	70,151	26.87	35.90	4.38	9.23	7.96	11.49	10.35				
7965	CLT9000	3AX 82000 GCW 286 HP D	68,743	28.43	37.92	4.31	9.12	9.52	11.36	12.38				
GMC AND CHEVROLET														
7975	C10903	4X2 1/2T PKUP 6100 GVW 165 HP G	8,641	6.56	8.55	0.61	1.37	3.04	1.58	4.06				
7980	C10906	4X2 SUBURBAN 6800 GVW 160 HP G	10,993	7.15	9.28	0.78	1.75	2.95	2.03	3.94				
7985	K10906	4X4 SUBURBAN 7000 GVW 165 HP G	11,950	7.56	9.83	0.85	1.91	3.04	2.22	4.06				
7990	C20903	4X2 3/4T PKUP 8600 GVW 165 HP G	11,258	7.34	9.54	0.80	1.79	3.04	2.08	4.06				
7995	K20903	4X4 3/4T PKUP 6600 GVW 165 HP G	12,005	7.60	9.88	0.85	1.91	3.04	2.22	4.06				
8000	C30903	2AX 9000 GVW 160 HP G	11,150	7.30	9.45	0.79	1.74	2.95	2.00	3.94				
8005	C5D042	2AX 18500 GVW 161 HP G	15,617	12.67	16.54	0.96	1.94	6.93	2.41	8.91				
8010	C6D042	2AX 19200 GVW 161 HP G	16,946	12.96	16.93	1.05	2.12	6.93	2.62	8.91				
8015	C6D042	2AX 23160 GVW 165 HP D	23,894	10.09	13.44	1.49	3.04	3.66	3.77	4.76				
8020	C7D042	2AX 23160 GVW 179 HP G	18,068	14.27	18.62	1.11	2.24	7.71	2.77	9.91				
8025	C7D042	2AX 29900 GVW 225 HP D	35,565	14.47	19.29	2.21	4.51	4.99	5.60	6.49				
8030	C7D064	3AX 44860 GVW 207 HP G	32,292	25.43	33.28	1.99	4.13	13.24	5.13	17.06				
8035	C7D064	3AX 44500 GVW 205 HP D	38,632	18.12	24.06	2.39	5.00	6.83	6.22	8.87				
8040	J8C042	2AX 33200 GVW 235 HP D	43,994	20.38	27.11	2.75	5.82	7.83	7.26	10.17				
8045	J8C064	3AX 48860 GVW 210 HP D	49,612	20.79	27.72	3.09	6.51	6.99	8.11	9.09				
8050	J9C042	2AX 53911 GVW 230 HP D	48,780	17.62	23.52	3.04	6.22	5.11	7.70	6.64				
8055	J9C064	3AX 48860 GVW 300 HP D	57,607	26.44	35.18	3.61	7.62	9.99	9.49	12.99				
8060	N9E064	3AX 52000 GVW 307 HP D	59,570	27.28	36.26	3.72	7.82	10.22	9.73	13.29				
8065	N9E064	3AX 62000 GVW 307 HP D	69,645	29.68	39.53	4.34	9.15	10.22	11.39	13.29				
INTERNATIONAL														
8075	1654	2AX 16000 GVW 155 HP D	17,827	8.41	11.16	1.11	2.27	3.44	2.81	4.47				
8080	1724	2AX 16000 GVW 147 HP G	16,019	11.92	15.57	1.00	2.03	6.33	2.51	8.14				

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

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

(CHASSIS ONLY)														
INTERNATIONAL (CONT'D)														
8085	1754	2AX	16000 GVW 165 HP D	22,892	9.81	13.05	1.43	2.94	3.66	3.64	4.76	71		
8090	1954	2AX	21700 GVW 180 HP D	28,964	11.64	15.50	1.82	3.72	4.00	4.60	5.19	100		
8095	F2554	3AX	43000 GVW 210 HP D	46,032	19.99	26.64	2.86	6.02	6.99	7.51	9.09	123		
8100	F2574	3AX	50000 GVW 230 HP D	60,588	24.12	32.21	3.80	8.03	7.66	10.00	9.96	123		
8105	F4370	3AX	48860 GVW 300 HP D	63,623	27.80	37.03	4.00	8.45	9.99	10.53	12.99	133		
8110	F5050	3AX	54000 GVW 210 HP D	62,012	23.58	31.54	3.89	8.22	6.99	10.25	9.09	138		
8115	F5070	3AX	54000 GVW 230 HP D	64,781	25.07	33.50	4.07	8.61	7.66	10.72	9.96	140		
KENWORTH														
8125	K100	3AX	48000 GVW 85000 GOW 300 HP D	68,080	28.82	38.44	4.27	9.04	9.99	11.27	12.99	138		
30	W900	3AX	48000 GVW 85000 GOW 300 HP D	68,609	28.94	38.60	4.30	9.11	9.99	11.36	12.99	140		
8135	C500	3AX	56000 GVW 85000 GOW 270 HP D	73,720	28.81	38.50	4.63	9.82	8.99	12.24	11.69	144		
PETERBILT														
8145	MOD 348	3AX	50000 GW 85000 GOW 245 HP D	75,438	28.36	37.96	4.73	9.99	8.16	12.45	10.61	121		
8150	MOD 362	3AX	46000 GVW 85000 GOW 300 HP D	66,389	28.44	37.92	4.16	8.81	9.99	10.98	12.99	131		
8155	MOD 359	3AX	46000 GVW 85000 GOW 300 HP D	64,074	27.92	37.22	4.01	8.49	9.99	10.59	12.99	134		
8160	MOD 353	3AX	56000 GVW 130000 GOW 350 HP D	71,658	31.74	42.30	4.50	9.53	11.65	11.89	15.15	174		
TRUCK ACCESSORIES														

(CHASIS NOT INCLUDED)														
CRANES, HYDRAULIC														
8170	5.3T@5'RAD	24000 GVW MIN		26,566	6.40		1.70	3.67	0.00		79			
8175	8.0T@3'RAD	26500 GVW MIN		31,855	7.66		2.04	4.41	0.00		84			
8180	12.5T@4'RAD	27000 GVW MIN		49,414	11.83		3.17	6.84	0.00		142			
8185	13.5T@4'RAD	44000 GVW MIN		60,990	14.57		3.90	8.43	0.00		158			
8190	15.0T@4'RAD	48000 GVW MIN		67,724	16.17		4.34	9.37	0.00		211			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRUCK ACCESSORIES (CONT'D)														
***** (CHASIS NOT INCLUDED)														
DUMP BODY, REAR, W/HOIST														
8200	5CY 24000 TO 26000 GVW	6,417	1.61	2.17	0.41	0.89	0.00	1.11	0.00	26				
8205	AIR GATE 8CY 27000 TO 30000 GVW	10,164	2.51	3.38	0.65	1.41	0.00	1.76	0.00	44				
8210	AIR GATE 10CY 36000 AND UP GVW	10,281	2.53	3.42	0.66	1.42	0.00	1.78	0.00	45				
8215	AIR GATE 12CY 36000 AND UP GVW	10,431	2.56	3.47	0.67	1.44	0.00	1.81	0.00	46				
FLATBEDS W/CONT. SIDES														
8225	8'X9.5'	2,086	0.50		0.13	0.29	0.00			11				
8230	8'X10.5'	2,156	0.50		0.13	0.29	0.00			12				
8235	8'X12.5'	2,363	0.55		0.15	0.32	0.00			14				
8240	8'X14.5'	2,803	0.67		0.18	0.39	0.00			16				
8245	8'X16.5'	3,075	0.72		0.20	0.42	0.00							
8250	FLATBED-HOIST	2,867	0.67		0.18	0.39	0.00			10				
HOISTS, ELECTRIC														
8260	1500LB@1.75'	2,411	0.66		0.15	0.33	0.00			4				
8265	2400LB@3'	2,813	0.76		0.18	0.39	0.00			6				
8270	5000LB@4'	7,763	1.93		0.49	1.07	0.00			15				
8275	6000LB@6'	8,737	2.16		0.56	1.21	0.00			14				
TRANSIT MIXERS														
8285	7 CY 40000 - 50000 GVW RQD	27,437	6.64		1.76	3.80	0.00			63				
8290	8 CY 50000 - 70000 GVW RQD	27,878	6.74		1.78	3.85	0.00			66				
8295	8.5CY 55000 - 75000 GVW RQD	28,174	6.82		1.81	3.90	0.00			68				
8300	9 CY 61000 - 80000 GVW RQD	28,607	6.91		1.83	3.95	0.00			73				
WATER TANKS														
8310	2000 GAL 23500-28000 GVW	12,272	2.91		0.79	1.70	0.00			35				
8315	2500 GAL 25000-34950 GVW	12,944	3.07		0.83	1.79	0.00			39				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	
	TRUCK ACCESSORIES (CONT'D) ***** (CHASIS NOT INCLUDED)									
	WATER TANKS (CONT'D)									
8320	3000 GAL 29000-40000 GVW	13,775	3.26		0.88	1.90	0.00			44
	TRUCK TRAILERS *****									
	BOTTOM DUMP									
8330	18CY 27T	27,254	5.52	6.97	1.54	3.11	0.00	3.66	0.00	122
8335	20CY 30T	32,299	6.48	8.20	1.83	3.73	0.00	4.39	0.00	140
8340	30CY 30T	32,737	6.55	8.30	1.85	3.77	0.00	4.45	0.00	160
8345	28CY 42T	38,942	7.80	9.88	2.20	4.47	0.00	5.26	0.00	180
8350	20CY 35T OFF-HIGHWAY	45,710	9.08	11.52	2.59	5.29	0.00	6.24	0.00	175
8355	32CY 55T OFF-HIGHWAY	95,802	19.38	24.52	5.35	10.76	0.00	12.67	0.00	365
360	43CY 70T OFF-HIGHWAY	106,197	21.60	27.29	5.92	11.85	0.00	13.92	0.00	445
	END DUMP									
8370	20CY 24T	36,055	7.19	9.10	2.05	4.18	0.00	4.92	0.00	146
	LOWBOY, RIGID NECK, DROP DECK									
8380	25 TON 2 AXLE	21,389	3.87		1.20	2.18	0.00			89
8385	30 TON 2 AXLE	23,683	4.30		1.33	2.42	0.00			94
8390	35 TON 2 AXLE	25,879	4.68		1.45	2.63	0.00			109
8395	35 TON 3 AXLE	29,850	5.45		1.67	3.03	0.00			134
8400	40 TON 3 AXLE	31,184	5.71		1.74	3.14	0.00			144
8405	50 TON 3 AXLE	35,863	6.53		2.00	3.63	0.00			161
8410	60 TON 3 AXLE	38,836	7.11		2.16	3.88	0.00			188
8415	70 TON 3 AXLE	47,072	8.49		2.64	4.79	0.00			213
8420	75 TON 3 AXLE	48,582	8.74		2.72	4.95	0.00			228
8425	80 TON 4 AXLE	55,465	9.97		3.12	5.68	0.00			266
8430	90 TON 4 AXLE	59,841	10.77		3.36	6.11	0.00			297

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

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

LOWBOY (CONT'D)														
8435	100 TON 4 AXLE	66,224	11.88		3.72	6.76	0.00			313				
8440	120 TON 4 AXLE	76,878	14.00		4.27	7.68	0.00			351				
8445	HELPER DOLLY 60 T TRAILER MAX	18,272	3.42		1.01	1.80	0.00			62				
PLATFORM TRAILERS														
8455	25 TON 2 AXLE	17,593	3.31		0.97	1.73	0.00			110				
PUP TRAILERS														
8465	8 CY LONG TONGUE	21,404	3.96		1.19	2.14	0.00			86				
8470	10CY LONG TONGUE	21,566	3.99		1.20	2.16	0.00			86				
TILT TRAILERS														
8480	12 TON 2 AXLE	11,494	2.19		0.64	1.14	0.00							
8485	16 TON 2 AXLE	13,134	2.51		0.73	1.29	0.00			65				
8490	20 TON 2 AXLE	14,262	2.71		0.78	1.39	0.00			67				
WATER TANKER TRAILERS														
8500	4000 GAL	63 HP D	32,547	7.74		1.75	3.30	2.13		120				
8505	5000 GAL	63 HP D	34,524	8.11		1.83	3.41	2.13		150				
8510	6000 GAL	63 HP D	36,080	8.34		1.91	3.57	2.13		160				
TRUCKS, OFF-HIGHWAY														

CATERPILLAR														
8520	769-C 35T 22-30 CY	P.S. 450 HP D	294,848	65.46	83.96	15.63	30.35	9.61	34.48	12.42				
8525	773-B 50T 30-45 CY	P.S. 650 HP D	414,132	93.88	121.19	21.86	42.27	13.88	47.99	17.93				
8530	777 85T 47-67 CY	P.S. 870 HP D	576,748	127.55	164.42	30.21	57.92	18.58	65.70	24.00				
8535	768C PRIME MOVER TRACTOR	P.S. 450 HP D	263,937	60.42	77.77	13.96	27.05	9.61	30.72	12.42				
8540	772B PRIME MOVER TRACTOR	P.S. 650 HP D	394,204	92.65	120.91	20.65	39.62	13.88	44.95	17.93				
										707				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP						
					AVERAGE	SEVERE									
TRUCKS, OFF-HIGHWAY (CONT'D) *****															
DJB (ARTICULATED FRAME)															
8550	D275B	27.5T 15-20 CY	P.S. 235 HP D	194,588	40.99	52.21	10.29	19.91	5.02	22.60	6.48	424			
8555	D330B	33T 17-23 CY	P.S. 255 HP D	232,962	47.94	60.86	12.34	23.96	5.45	27.21	7.04	444			
8560	D350B	35T 20-26 CY	P.S. 255 HP D	243,261	51.44	66.21	12.74	24.42	5.45	27.70	7.04	472			
8565	D550	55T 32-43 CY	P.S. 450 HP D	405,975	85.94	110.32	21.31	40.96	9.61	46.49	12.42	834			
EUCLID															
8575	R25-215FD	25T 14-19 CY	P.S. 214 HP D	194,139	39.66	50.46	10.28	19.93	4.57	22.63	5.90	404			
8580	R35-302TD	35T 22-30 CY	P.S. 450 HP D	306,902	67.00	85.57	16.31	31.75	9.61	36.07	12.42	623			
8585	R50-301LD	50T 31-41 CY	P.S. 608 HP D	403,908	91.02	117.59	21.31	41.18	12.99	46.75	16.77	836			
8590	R75-301ND	75T 46-69 CY	P.S. 646 HP D	539,745	114.23	147.01	28.31	54.36	13.80	61.66	17.82	1123			
8595	R85-306ND	85T 52-67 CY	P.S. 755 HP D	555,829	120.85	156.00	29.08	55.69	16.13	63.17	20.83	1227			
INTERNATIONAL															
8605	350B	50T 31-42 CY	P.S. 580 HP D	391,461	87.01	112.15	20.78	40.43	12.39	45.94	16.00	740			
TEREX															
8615	33-03B	22T 15-18 CY	P.S. 215 HP D	171,732	36.78	47.19	9.10	17.67	4.59	20.08	5.93	400			
8620	33-05B	30T 19-23 CY	P.S. 321 HP D	246,965	53.33	68.46	13.08	25.39	6.86	28.85	8.86	525			
8625	33-07	40T 25-32 CY	P.S. 493 HP D	305,083	71.23	92.87	16.00	30.71	10.53	34.85	13.60	756			
8630	33-09	55T 34-44 CY	P.S. 624 HP D	411,744	94.78	123.47	21.60	41.50	13.33	47.09	17.22	992			
8635	33-11C	85T 51-65 CY	P.S. 840 HP D	579,499	127.14	163.89	30.36	58.22	17.94	66.05	23.18	1350			
WABCO															
8645	HAULPAK35D	35T 23-29 CY	P.S. 420 HP D	304,583	66.18	84.80	16.15	31.39	8.97	35.66	11.59	630			
8650	HAULPAK50B	50T 31-40 CY	P.S. 576 HP D	423,538	93.29	120.34	22.37	43.27	12.30	49.14	15.89	792			
8655	HAULPAK60B	60T 34-48 CY	P.S. 642 HP D	457,829	102.81	133.36	24.10	46.43	13.71	52.69	17.71	900			
8660	75C	75T 44-57 CY	P.S. 679 HP D	514,297	110.48	142.12	26.99	51.86	14.50	58.84	18.73	950			
8665	85D	85T 47-67 CY	P.S. 818 HP D	572,649	125.39	161.69	29.99	57.48	17.47	65.21	22.57	1240			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRUCKS, WATER														

TRACTOR DRAWN - KLEIN														
8675	KT-50 5000 GAL. CAT 613B P.S. 150 HP D	137,079	29.37	36.09	7.30	13.19	5.07	14.84	6.67	320				
8680	KT-60 6000 GAL. CAT 621B P.S. 330 HP D	240,427	55.11	68.09	12.72	22.82	11.16	25.65	14.68	564				
8685	KT-80 8000 GAL. CAT 631D P.S. 450 HP D	329,376	75.72	93.61	17.38	31.10	15.22	34.95	20.02	740				
8690	KT-100 10000 GAL. CAT 631D P.S. 450 HP D	337,892	77.05	95.20	17.84	31.95	15.22	35.91	20.02	798				
8695	KT-100 10000 GAL. CAT 641B P.S. 550 HP D	380,153	89.04	110.27	20.02	35.73	18.60	40.15	24.47	931				
8700	KT-120 12000 GAL. CAT 651B P.S. 550 HP D	400,793	92.29	114.13	21.15	37.82	18.60	42.50	24.47	1097				
TRACTOR DRAWN - SOUTHWEST														
8710	STT-60 6000 GAL. CAT 621B P.S. 330 HP D	238,498	54.80	67.74	12.61	22.62	11.16	25.44	14.68	594				
8715	STT-80 8000 GAL. CAT 631D P.S. 450 HP D	327,585	75.43	93.27	17.28	30.91	15.22	34.74	20.02	800				
8720	STT-100 10000 GAL. CAT 631D P.S. 450 HP D	331,895	76.11	94.09	17.52	31.35	15.22	35.24	20.02	840				
8725	STT-120 12000 GAL. CAT 651B P.S. 550 HP D	404,316	92.83	114.77	21.33	38.16	18.60	42.89	24.47	10:				
8730	STT-140 14000 GAL. CAT 651B P.S. 550 HP D	410,426	93.80	115.93	21.67	38.78	18.60	43.60	24.47	1089				
WAGONS, BOTTOM DUMP														

CATERPILLAR-ATHEY														
8740	621B/PW621B 33T 22-26CY P.S. 330 HP D	254,305	60.54	78.52	13.38	25.76	11.16	29.23	14.68	579				
8745	768B/PW768C 63T 42-48CY P.S. 450 HP D	387,667	89.88	116.14	20.32	38.99	15.22	44.22	20.02	935				
8750	772B/PW772B 100T 60-67CY P.S. 650 HP D	617,801	145.20	191.19	32.13	61.14	21.98	69.31	28.92	1350				
EUCLID														
8760	B30-303TDT301W 30T 21-27CY P.S. 277 HP D	231,280	54.38	70.61	12.12	23.25	9.37	26.38	12.33	483				
8765	B70-203LDT147W 70T 47-62CY P.S. 423 HP D	393,090	85.37	108.32	20.89	40.67	14.31	46.22	18.82	934				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.				
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
WAGONS, REAR DUMP *****												
CATERPILLAR-ATHEY												
8775	621B/PR621B	33T 22-26CY P.S. 330 HP D	266,393	62.62	81.13	14.02	27.00	11.16	30.64	14.68	630	
8780	631D/PR631D	40T 27-32CY P.S. 450 HP D	377,919	87.71	113.48	19.91	38.42	15.22	43.62	20.02	833	
WATER BLASTER *****												
AMERICAN AERO												
8790	WBD 90 10000 PSI @ 10 GPM W/2 NOZ	91 HP D TRAILER MOUNTED	34,062	18.74		2.51	5.86	4.54		42		
8795	WBDI50 10000 PSI @ 20 GPM W/2 NOZ	160 HP D TRAILER MOUNTED	51,617	29.81		3.81	8.90	7.97		70		
WATER TANKS *****												
SKID MOUNTED												
8805	WST-8	8000 GAL. SOUTHWEST	16,351	2.48		0.89	1.70	0.00		107		
8810	WST-10	10000 GAL. SOUTHWEST	19,031	2.89		1.04	1.98	0.00		122		
8815	WST-12	12000 GAL. SOUTHWEST	22,143	3.34		1.20	2.29	0.00		142		
PORTABLE (WITH WHEELS)												
8825	EWT-8	8000 GAL. SOUTHWEST	8 HP G	29,221	5.30		1.56	2.95	0.65	130		
8830	EWT-10	10000 GAL. SOUTHWEST	8 HP G	33,212	5.91		1.78	3.37	0.65	170		
8835	EWT-12	12000 GAL. SOUTHWEST	8 HP G	36,812	6.45		1.98	3.74	0.65	185		
WELDERS *****												
ELECTRIC DRIVE - AC 3 PHASE 60 HZ												
8845	300 AMP	SKID MTD	20 HP E	2,462	2.00		0.16	0.33	1.18	7		
8850	400 AMP	SKID MTD	25 HP E	2,947	2.47		0.19	0.39	1.47	9		

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

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

GASOLINE ENGINE DRIVE														
8860	200 AMP	W/1 AXLE TRLR	39 HP G	4,914	6.23		0.35	0.75	3.89	11				
8865	250 AMP	W/1 AXLE TRLR	39 HP G	5,211	6.31		0.37	0.80	3.89	17				
8870	300 AMP	W/1 AXLE TRLR	65 HP G	5,654	9.65		0.40	0.87	6.48	17				
8875	400 AMP	W/1 AXLE TRLR	69 HP G	7,193	10.59		0.51	1.12	6.87	21				
DIESEL ENGINE DRIVE														
8885	250 AMP	W/1 AXLE TRLR	27 HP D	6,738	3.33		0.48	1.04	1.13	21				
8890	300 AMP	W/1 AXLE TRLR	38 HP D	7,195	4.04		0.51	1.12	1.59	21				
8895	350 AMP	W/2 AXLE TRLR	38 HP D	8,102	4.31		0.57	1.24	1.59	25				
8900	400 AMP	W/2 AXLE TRLR	64 HP D	8,785	5.86		0.62	1.35	2.68	30				
MIG														
8910	300AMP W/WIRE FEED AND SHOP GEAR	10 HP E	2,491	1.24		0.16	0.33	0.59		5				
8915	450AMP W/WIRE FEED AND SHOP GEAR	20 HP E	2,562	2.01		0.16	0.34	1.18		5				
RECTIFIER														
8925	200 AMP	W/SHOP RUNNING GEAR	19 HP E	1,139	1.68		0.08	0.16	1.12	4				
8930	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,467	2.11		0.10	0.20	1.41	6				
8935	750 AMP	W/SHOP RUNNING GEAR	30 HP E	3,951	3.04		0.25	0.53	1.76	7				
8940	1000AMP	W/SHOP RUNNING GEAR	42 HP E	6,905	4.52		0.44	0.92	2.47	10				
TRANSFORMER-RECTIFIER														
8950	250 AMP	W/SHOP RUNNING GEAR	19 HP E	538	1.56		0.03	0.07	1.12	4				
8955	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,746	2.16		0.11	0.23	1.41	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 \$55.00 per hour and an ownership rate of \$30.00 per hour.

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

Total Hourly Rate	= \$55.00/Hr.
Ownership Rate	(-) \$30.00/Hr.
Ownership adjusted for Age: (Ownership Rate) x (Age Adj. Factor)	
= (\$30.00) x (.84)	= (+) \$25.20/Hr.
Adjusted Total Hourly Rate	= \$50.20/Hr.

B. If an equivalent crane owned by a Contractor had been purchased new in 1970, this crane is over-age and the total hourly rate can be determined as follows:

Total Hourly Rate	= \$55.00/Hr.
Ownership Rate	(-) \$30.00/Hr.
Ownership adjusted for Age: (Ownership Rate) x (Oldest Age Adj. Factor)	
= (\$30.00) x (.54)	= (+) \$16.20/Hr.
Adjusted Total Hourly Rate	= \$41.20/Hr.

C. If an equivalent crane, manufactured in 1970, had been purchased used in 1978 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 1980, had been purchased used in 1982 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	<u>YEAR PURCHASED NEW</u>											
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	
15	AGGREGATE SPREADERS	1.03	1.01	1.00	1.02	0.95	0.87						
30	AIR COMPRESSORS	1.05	1.00	1.00	0.98	0.91	0.95						
45	AIR TOOLS, SANDBLASTERS, ETC	1.05	1.00	1.00									
60	ASPHALT DISTRIBUTORS	1.03	1.01	1.00	1.02	0.95	0.87						
65	ASPHALT AND CONCRETE PAVERS	1.03	1.01	1.00	1.02	0.95	0.87						
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.02	1.00	0.97	0.90							
	BACKHOE (SEE KEY NO. 570-601)												
75	BROOMS	1.04	1.02	1.00	0.97	0.90	0.79						
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.97	0.90	0.80						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	1.02	0.96	0.85						
95	BUCKETS, CONCRETE	1.03	1.01	1.00	1.02	0.96	0.85						
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.97	0.90							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.97	0.90							
125	CONCRETE FINISHERS & BUGGIES	1.05	1.02	1.00	0.97								
130	CONCRETE SAWS	1.04	1.02	1.00	0.97	0.90							
135	CONCRETE VIBRATORS	1.05	1.00	1.00									
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.05	1.00	1.00	0.98								
150	0 THRU 25 TON	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67				
165	OVER 25 TON THRU 50 TON	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.62			
170	OVER 50 TON THRU 150 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.62	0.58	0.53	
180	OVER 150 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.53	0.43
	DRAGLINE & CLAMSHELL, CRAWLER												
185	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67				
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.62			
195	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.62	0.58	0.53	
196	OVER 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.53	0.43
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59		
205	CRANES, TOWER	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.61	0.57	0.51	
	CRANES & HYD. EXC., TRK MTD												
210	UNDER 26 T. (THRU 1 CY)	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.54	
230	66 THRU 125 T	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.69	0.63	0.59	0.54	0.44
240	OVER 125 T	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.54	0.43
255	DRILL, AUGER	1.01	0.99	1.00	0.99	0.91	0.77						
270	DRILL, BLAST HOLE	1.01	0.99	1.00	0.99	0.91	0.77						
300	DRILL, CORE	1.01	0.99	1.00	0.99	0.91	0.77						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.01	0.99	1.00	0.99	0.91	0.78	0.67	0.62	0.56			
330	DRILL, ROTARY OVER 11" DIA.	1.01	0.99	1.00	0.99	0.91	0.79	0.68	0.63	0.57	0.55	0.52	0.45
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.01	0.99	1.00	0.99	0.91	0.79	0.68	0.63	0.57	0.55	0.52	0.45
375	FORK LIFTS	1.04	1.02	1.00	0.97	0.90	0.80						
390	GRADERS	1.05	1.03	1.00	0.97	0.88	0.79	0.70	0.63				
420	GENERATORS	1.05	1.03	1.00	0.97	0.95							
435	HOIST	1.04	1.02	1.00	0.97	0.90	0.80						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)												
440	LIGHT PLANTS	1.05	1.02	1.00	0.97	0.89							
450	LOADER, BELT	1.04	1.02	1.00	0.97	0.90	0.79						
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.02	1.00	1.00	0.96	0.87	0.78						
	LOADER, WHEEL TYPE												
465	0 THRU 225 HP	1.06	1.03	1.00	0.97	0.87	0.71						
470	OVER 225 HP	1.05	1.03	1.00	0.98	0.88	0.74	0.64	0.58				
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.06	1.03	1.00	0.97	0.87	0.71						

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.02	1.00	0.97									
485	PIPELAYERS	1.02	1.00	1.00	0.96	0.86	0.76	0.66	0.58					
	PUMP, GROUT (SEE KEY NO. 105)	1.04	1.02	1.00	0.97	0.90	0.79							
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.97	0.90	0.79							
500	PUMP, WATER, ELECTRIC DRIVE	1.02	1.00	1.00	0.96	0.87								
510	RIPPERS	1.08	1.05	1.00	0.90	0.83	0.75							
525	ROLLERS, EXCEPT VIB. ROLLERS	1.08	1.06	1.00	0.90	0.83	0.75							
530	ROLLERS, VIBRATORY	1.05	1.03	1.00	0.98	0.89	0.80							
540	SCRAPERS, STANDARD	1.05	1.03	1.00	0.98	0.89	0.80							
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.05	1.03	1.00	0.98	0.89	0.80							
545	0 THRU 200 HP	1.05	1.03	1.00	0.97	0.88	0.80							
550	OVER 200 HP	1.05	1.03	1.00	0.98	0.89	0.80							
555	SCRAPERS, TRACTOR DRAWN	1.05	1.03	1.00	0.98	0.89	0.80	0.71	0.65					
560	SOIL STABILIZERS	1.05	1.03	1.00	0.97	0.88	0.80							
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.06	1.03	1.00	0.97	0.90								
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.91	0.83							
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.75	0.68					
600	OVER 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63				
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.62	0.58	0.53		
615	0 THRU 225 HP	1.02	1.00	1.00	0.96	0.86	0.77							
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.02	1.00	1.00	0.96	0.87	0.79							
625	OVER 425 HP	1.02	1.00	1.00	0.96	0.87	0.79	0.70	0.63					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.02	1.00	1.00	0.96	0.87	0.78							
645	TRACTOR, WHEEL TYPE	1.06	1.03	1.00	0.99	0.90	0.80							
650	TRENCHER	1.04	1.02	1.00	0.93	0.81	0.69							
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.97	0.90	0.80							
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.05	1.02	1.00	0.97	0.89	0.78							
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.04	1.02	1.00	0.97	0.90								
675	ALL OTHER ACCESSORIES	1.04	1.02	1.00	0.97	0.90								
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.08	1.06	1.00	0.95									
695	OVER 10,000 THRU 30,000 GVW	1.08	1.06	1.00	0.95	0.88								
705	OVER 30,000 GVW	1.08	1.05	1.00	0.96	0.88								
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.98	0.89	0.77	0.66	0.60					
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.98	0.89	0.77	0.66	0.60					
780	WAGON, WATER	1.04	1.01	1.00	0.97	0.88	0.76	0.64	0.57					
785	WATER BLASTER	1.04	1.02	1.00	0.97									
795	WATER TANKS	1.04	1.02	1.00	0.97	0.90	0.80	0.70	0.62					
810	WELDERS	1.05	1.02	1.00	0.97									
811	WELDERS ELECTRIC POWER	1.05	1.02	1.00	0.97	0.89								



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

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

Example: Assume that a two-year old 50-ton truck crane listed in TABLE 3-1 has an hourly standby rate of \$18.00 per hour. If an equivalent crane owned by a Contractor had been purchased new in 1980, the hourly standby rate can be determined as follows:

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

$$\begin{aligned} \text{Standby Adjusted for Age} \\ (\text{Standby Rate}) \times (\text{Age Adj. Factor}) \\ = (\$18.00) \times (.85) \end{aligned} = \$15.30/\text{Hr.}$$

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
15	AGGREGATE SPREADERS	1.03	1.01	1.00	1.01	0.95	0.89							
30	AIR COMPRESSORS	1.05	1.00	1.00	0.98	0.92	0.96							
45	AIR TOOLS, SANDBLASTERS, ETC	1.05	1.00	1.00										
60	ASPHALT DISTRIBUTORS	1.03	1.01	1.00	1.01	0.95	0.89							
65	ASPHALT AND CONCRETE PAVERS	1.03	1.01	1.00	1.01	0.95	0.89							
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.02	1.00	0.98	0.91								
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.04	1.02	1.00	0.98	0.91	0.82							
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.98	0.91	0.82							
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	1.02	0.96	0.87							
95	BUCKETS, CONCRETE	1.03	1.01	1.00	1.02	0.96	0.87							
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.98	0.91								
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.98	0.91								
125	CONCRETE FINISHERS & BUGGIES	1.04	1.02	1.00	0.98									
130	CONCRETE SAWS	1.04	1.02	1.00	0.98	0.91								
135	CONCRETE VIBRATORS	1.05	1.00	1.00										
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.05	1.00	1.00	0.98									
150	0 THRU 25 TON	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71					
165	OVER 25 TON THRU 50 TON	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66				
170	OVER 50 TON THRU 150 TON	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.58		
180	OVER 150 TON DRAGLINE & CLAMSHELL, CRAWLER	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.64	0.59	0.50	
185	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71					
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66				
195	OVER 2-1/2 CY THRU 5 CY	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.58		
196	OVER 5 CY	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.64	0.59	0.50	
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66	0.62			
205	CRANES, TOWER CRANES & HYD. EXC., TRK MTD	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.72	0.68	0.64	0.60		
210	UNDER 26 T. (THRU 1 CY)	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66				
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.67	0.63	0.58		
230	66 THRU 125 T	1.05	1.03	1.00	0.98	0.92	0.85	0.78	0.72	0.67	0.63	0.58	0.49	
240	OVER 125 T	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.72	0.68	0.64	0.59	0.50	0.44
255	DRILL, AUGER	1.01	0.99	1.00	0.99	0.92	0.80							
270	DRILL, BLAST HOLE	1.01	0.99	1.00	0.99	0.92	0.80							
300	DRILL, CORE	1.01	0.99	1.00	0.99	0.92	0.80							
315	DRILL, ROTARY TO 11" DIA. HOLE	1.01	0.99	1.00	0.99	0.92	0.81	0.71	0.67	0.61				
330	DRILL, ROTARY OVER 11" DIA.	1.01	0.99	1.00	0.99	0.92	0.81	0.72	0.68	0.62	0.60	0.58	0.51	
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.01	0.99	1.00	0.99	0.92	0.81	0.72	0.68	0.62	0.60	0.58	0.51	
375	FORK LIFTS	1.04	1.02	1.00	0.98	0.91	0.82							
390	GRADERS	1.04	1.02	1.00	0.98	0.90	0.82	0.74	0.69					
420	GENERATORS	1.05	1.03	1.00	0.98	0.95								
435	HOLST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.04	1.02	1.00	0.98	0.91	0.82							
440	LIGHT PLANTS	1.04	1.02	1.00	0.98	0.91								
450	LOADER, BELT	1.04	1.02	1.00	0.98	0.91	0.82							
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE LOADER, WHEEL TYPE	1.02	1.00	1.00	0.96	0.88	0.81							
465	0 THRU 225 HP	1.05	1.03	1.00	0.98	0.89	0.76							
470	OVER 225 HP	1.05	1.03	1.00	0.98	0.89	0.76	0.68	0.62					
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.05	1.03	1.00	0.98	0.89	0.76							

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

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

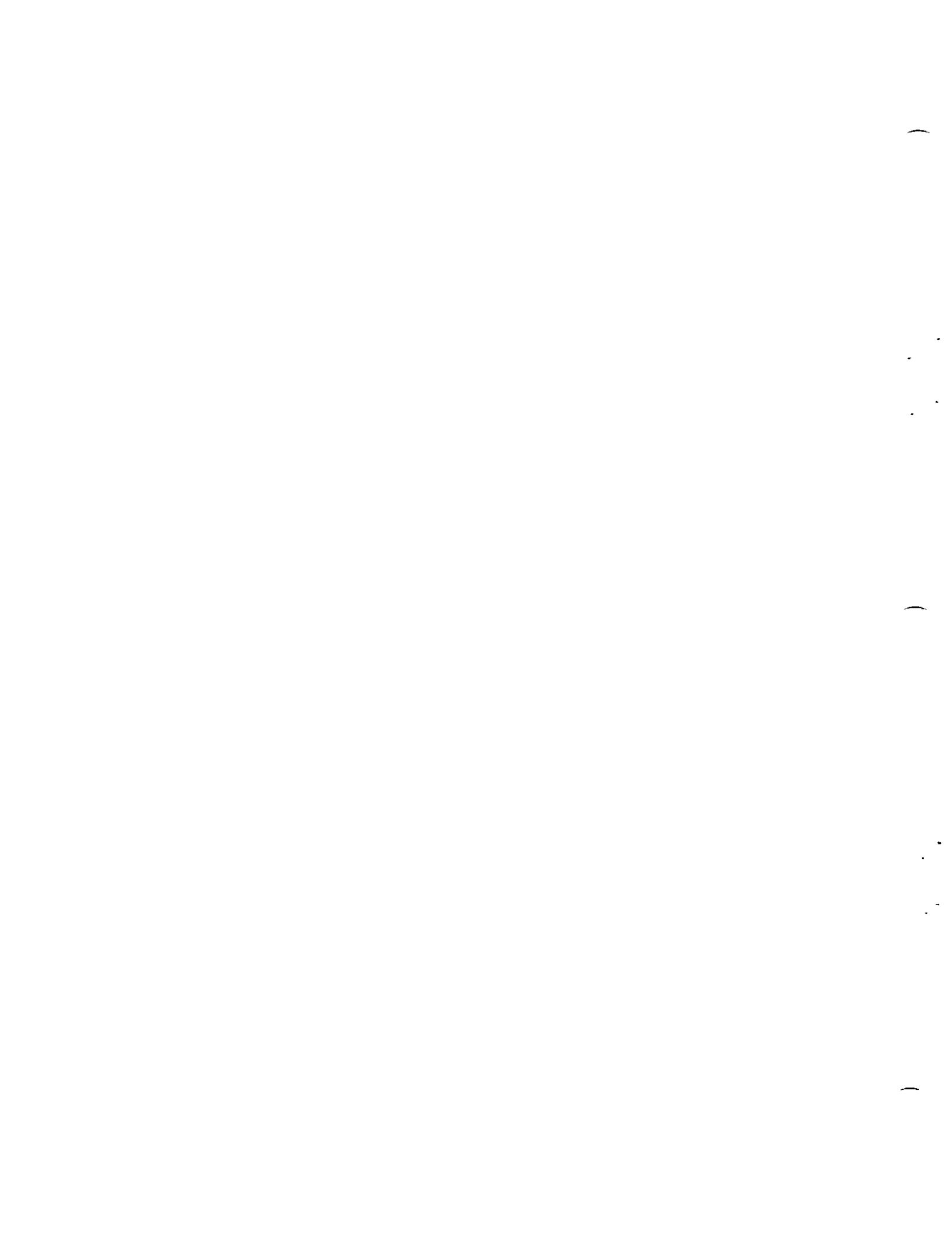


TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

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 (Service Life = 18,000 Hrs.) can be determined as follows:

Total Hourly Rate (adjusted for age)	= \$50.20/Hr.
Ownership Rate (adjusted for age)	(-) \$25.20/Hr.
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adj. Factor)	
= (\$25.20) x (.85)	= (+) \$21.42/Hr.
Adjusted Total Hourly Rate	= <u>\$46.42/Hr.</u>

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

Service Life From APP. D	Equipment Usage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.98	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.87
6,000	1.00	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.84	0.83
8,000	1.00	0.97	0.95	0.93	0.91	0.89	0.88	0.86	0.84	0.83	0.82	0.81	0.80
9,000	1.00	0.97	0.95	0.92	0.90	0.88	0.87	0.85	0.83	0.82	0.81	0.80	0.78
10,000	1.00	0.96	0.95	0.92	0.89	0.87	0.86	0.84	0.82	0.81	0.79	0.78	0.77
11,000	1.00	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.81	0.79	0.78	0.77	0.76
12,000	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
13,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.79	0.77	0.76	0.75	0.73
14,000	1.00	0.96	0.93	0.90	0.87	0.85	0.83	0.80	0.78	0.76	0.75	0.74	0.72
15,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.80	0.77	0.75	0.74	0.73	0.71
16,000	1.00	0.95	0.93	0.89	0.86	0.83	0.81	0.79	0.76	0.75	0.73	0.72	0.70
18,000	1.00	0.95	0.92	0.88	0.85	0.82	0.80	0.77	0.75	0.73	0.71	0.70	0.68
20,000	1.00	0.95	0.92	0.88	0.84	0.81	0.79	0.76	0.74	0.72	0.70	0.68	0.66
22,000	1.00	0.94	0.92	0.87	0.83	0.80	0.78	0.75	0.72	0.70	0.68	0.67	0.64
50,000	1.00	0.92	0.89	0.82	0.77	0.73	0.69	0.66	0.62	0.59	0.56	0.54	0.51

TABLE 3-5. HOURLY RATE ELEMENT

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1010	4.49	2.21	11.54	2.77	0.21	0.03	4.47	25.72								
1015	5.02	2.47	3.74	0.90	0.21	0.03	4.99	17.36								
1030	0.83	0.45	4.06	1.30	0.02	0.00	0.90	7.56								
1035	1.00	0.54	1.12	0.31	0.02	0.00	1.09	4.08								
1040	1.02	0.55	5.68	1.82	0.02	0.00	1.11	10.20								
1045	1.09	0.59	1.72	0.48	0.02	0.00	1.18	5.08								
1050	1.12	0.61	5.68	1.82	0.02	0.00	1.21	10.46								
1055	1.27	0.69	1.83	0.51	0.02	0.00	1.37	5.69								
1060	1.15	0.63	5.68	1.82	0.02	0.00	1.25	10.55								
1065	1.36	0.74	2.33	0.65	0.02	0.00	1.48	6.58								
1070	2.04	1.10	2.98	0.83	0.03	0.00	2.21	9.19								
1075	2.49	1.37	4.13	1.16	0.12	0.02	2.71	12.00								
1080	3.24	1.77	5.14	1.44	0.12	0.02	3.51	15.24								
1085	3.89	2.12	6.36	1.78	0.14	0.02	4.22	18.53								
1090	4.53	2.47	7.71	2.16	0.14	0.02	4.91	21.94								
1095	5.15	2.80	8.79	2.46	0.14	0.02	5.58	24.94								
1100	5.66	3.07	9.13	2.56	0.14	0.02	6.13	26.71								
1105	6.34	3.44	9.94	2.78	0.14	0.02	6.87	29.53								
1110	7.59	4.10	13.53	3.79	0.14	0.02	8.21	37.38								
1115	8.57	4.64	15.42	4.32	0.18	0.03	9.28	42.44								
1130	0.31	0.07	0.00	0.06	0.00	0.00	0.66	1.10								
1135	0.56	0.12	0.00	0.06	0.00	0.00	1.20	1.94								
1140	0.56	0.13	0.00	0.06	0.00	0.00	1.21	1.96								
1145	0.62	0.14	0.00	0.13	0.00	0.00	1.33	2.22								
1150	0.83	0.19	0.00	0.13	0.00	0.00	1.80	2.95								
1155	2.36	0.54	0.00	0.27	0.05	0.01	5.12	8.35								
1160	2.84	0.67	0.00	0.40	0.12	0.02	6.21	10.26								
1165	3.50	0.81	0.00	0.50	0.12	0.02	7.62	12.57								
1175	0.18	0.04	0.00	0.06	0.00	0.00	0.40	0.68								
1180	0.40	0.09	0.00	0.11	0.00	0.00	0.87	1.47								
1185	0.19	0.04	0.00	0.06	0.00	0.00	0.41	0.70								
1190	0.20	0.05	0.00	0.06	0.00	0.00	0.44	0.75								
1195	0.22	0.05	0.00	0.06	0.00	0.00	0.48	0.81								
1200	0.74	0.16	0.00	0.13	0.00	0.00	1.59	2.62								
1210	0.40	0.09	0.00	0.15	0.00	0.00	1.43	2.07								
1215	0.26	0.06	0.00	0.13	0.00	0.00	0.92	1.37								
1220	0.23	0.05	0.00	0.10	0.00	0.00	0.83	1.21								
1225	0.21	0.05	0.00	0.08	0.00	0.00	0.75	1.09								
1230	0.16	0.04	0.00	0.06	0.00	0.00	0.59	0.85								
1240	2.26	1.09	3.65	1.17	0.00	0.00	2.72	10.89								
1245	2.31	1.12	3.65	1.17	0.00	0.00	2.78	11.03								
1250	2.48	1.20	3.65	1.17	0.00	0.00	2.98	11.48								
1255	2.79	1.34	3.65	1.17	0.00	0.00	3.35	12.30								
1265	7.18	3.53	2.37	0.66	0.32	0.05	9.19	23.30								
1270	11.29	5.60	3.21	0.90	0.79	0.12	14.46	36.37								
1275	12.58	6.22	4.40	1.23	0.79	0.12	16.10	41.44								
1280	15.35	7.40	4.40	1.23	0.00	0.00	19.55	47.93								
1290	3.64	1.82	0.74	0.21	0.32	0.05	4.67	11.45								
1295	5.79	2.86	1.09	0.53	0.32	0.05	7.41	18.85								
1300	8.05	3.97	1.96	0.55	0.44	0.07	10.30	25.34								
1305	9.94	4.95	2.94	0.82	0.79	0.12	12.74	32.30								
1310	11.62	5.80	2.98	0.83	0.96	0.14	14.91	37.24								
1315	15.35	7.66	5.31	1.49	1.32	0.20	19.69	51.02								
1320	11.31	5.45	2.57	0.72	0.00	0.00	14.40	34.45								
1325	13.53	6.52	3.72	1.04	0.00	0.00	17.23	42.04								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
1335	0.37	0.15	0.00	0.99	0.02	0.00	0.43	1.96									
1340	0.43	0.18	0.00	1.09	0.02	0.00	0.50	2.22									
1350	1.03	0.41	0.65	1.78	0.02	0.00	1.18	5.07									
1360	0.48	0.26	0.00	0.18	0.02	0.00	0.59	1.53									
1365	0.63	0.34	1.70	0.41	0.02	0.00	0.77	3.87									
1370	0.22	0.12	0.00	0.18	0.00	0.00	0.26	0.78									
1375	0.33	0.18	0.00	0.12	0.00	0.00	0.41	1.04									
1385	0.96	0.46	8.49	2.72	0.00	0.00	1.23	13.86									
1390	1.02	0.51	8.49	2.72	0.04	0.01	1.32	14.11									
1400	0.89	0.39	0.00	0.00	0.00	0.00	0.83	2.11	1.12	0.40	0.00	0.00	0.00	0.00	1.18	2.70	
1405	0.96	0.42	0.00	0.00	0.00	0.00	0.89	2.27	1.20	0.43	0.00	0.00	0.00	0.00	1.27	2.90	
1410	1.39	0.61	0.00	0.00	0.00	0.00	1.29	3.29	1.74	0.63	0.00	0.00	0.00	0.00	1.85	4.22	
1415	1.63	0.72	0.00	0.00	0.00	0.00	1.52	3.87	2.04	0.74	0.00	0.00	0.00	0.00	2.17	4.95	
1420	2.11	0.92	0.00	0.00	0.00	0.00	1.96	4.99	2.64	0.95	0.00	0.00	0.00	0.00	2.79	6.38	
1425	2.24	0.98	0.00	0.00	0.00	0.00	2.08	5.30	2.81	1.01	0.00	0.00	0.00	0.00	2.98	6.80	
1430	2.44	1.07	0.00	0.00	0.00	0.00	2.27	5.78	3.05	1.10	0.00	0.00	0.00	0.00	3.24	7.39	
1435	2.71	1.19	0.00	0.00	0.00	0.00	2.51	6.41	3.38	1.22	0.00	0.00	0.00	0.00	3.59	8.19	
1440	2.94	1.29	0.00	0.00	0.00	0.00	2.73	6.96	3.68	1.32	0.00	0.00	0.00	0.00	3.90	8.90	
1445	3.14	1.37	0.00	0.00	0.00	0.00	2.91	7.42	3.93	1.41	0.00	0.00	0.00	0.00	4.16	9.50	
1450	3.47	1.52	0.00	0.00	0.00	0.00	3.22	8.21	4.34	1.56	0.00	0.00	0.00	0.00	4.60	10.50	
1455	3.62	1.58	0.00	0.00	0.00	0.00	3.36	8.56	4.52	1.63	0.00	0.00	0.00	0.00	4.79	10.94	
1460	3.73	1.63	0.00	0.00	0.00	0.00	3.46	8.82	4.66	1.68	0.00	0.00	0.00	0.00	4.94	11.28	
1465	3.92	1.72	0.00	0.00	0.00	0.00	3.64	9.28	4.90	1.76	0.00	0.00	0.00	0.00	5.20	11.86	
1470	4.08	1.79	0.00	0.00	0.00	0.00	3.78	9.65	5.10	1.84	0.00	0.00	0.00	0.00	5.41	12.35	
1480	0.85	0.37	0.00	0.00	0.00	0.00	0.79	2.01	1.06	0.38	0.00	0.00	0.00	0.00	1.13	2.57	
1485	1.18	0.52	0.00	0.00	0.00	0.00	1.10	2.80	1.48	0.53	0.00	0.00	0.00	0.00	1.57	3.58	
1490	1.74	0.76	0.00	0.00	0.00	0.00	1.61	4.11	2.17	0.78	0.00	0.00	0.00	0.00	2.30	5.25	
1495	1.89	0.83	0.00	0.00	0.00	0.00	1.75	4.47	2.36	0.85	0.00	0.00	0.00	0.00	2.50	5.71	
1500	2.37	1.04	0.00	0.00	0.00	0.00	2.20	5.61	2.96	1.07	0.00	0.00	0.00	0.00	3.14	7.17	
1505	2.61	1.14	0.00	0.00	0.00	0.00	2.42	6.17	3.26	1.18	0.00	0.00	0.00	0.00	3.46	7.90	
1510	3.00	1.31	0.00	0.00	0.00	0.00	2.78	7.09	3.75	1.35	0.00	0.00	0.00	0.00	3.98	9.08	
1515	3.24	1.42	0.00	0.00	0.00	0.00	3.01	7.67	4.05	1.46	0.00	0.00	0.00	0.00	4.29	9.80	
1520	3.49	1.53	0.00	0.00	0.00	0.00	3.24	8.26	4.37	1.57	0.00	0.00	0.00	0.00	4.63	10.57	
1525	3.75	1.64	0.00	0.00	0.00	0.00	3.48	8.87	4.69	1.69	0.00	0.00	0.00	0.00	4.97	11.35	
1530	3.97	1.74	0.00	0.00	0.00	0.00	3.68	9.39	4.96	1.79	0.00	0.00	0.00	0.00	5.26	12.01	
1535	4.18	1.83	0.00	0.00	0.00	0.00	3.88	9.89	5.22	1.88	0.00	0.00	0.00	0.00	5.54	12.64	
1540	4.41	1.93	0.00	0.00	0.00	0.00	4.09	10.43	5.51	1.99	0.00	0.00	0.00	0.00	5.85	13.35	
1545	4.61	2.02	0.00	0.00	0.00	0.00	4.28	10.91	5.76	2.07	0.00	0.00	0.00	0.00	6.11	13.94	
1550	4.80	2.10	0.00	0.00	0.00	0.00	4.46	11.36	6.00	2.16	0.00	0.00	0.00	0.00	6.37	14.53	
1560	1.34	0.59	0.00	0.00	0.00	0.00	1.25	3.18	1.68	0.61	0.00	0.00	0.00	0.00	1.78	4.07	
1565	1.38	0.60	0.00	0.00	0.00	0.00	1.28	3.26	1.72	0.62	0.00	0.00	0.00	0.00	1.82	4.16	
1570	1.99	0.87	0.00	0.00	0.00	0.00	1.84	4.70	2.48	0.89	0.00	0.00	0.00	0.00	2.63	6.00	
1575	2.45	1.07	0.00	0.00	0.00	0.00	2.27	5.79	3.06	1.10	0.00	0.00	0.00	0.00	3.25	7.41	
1580	2.76	1.21	0.00	0.00	0.00	0.00	2.56	6.53	3.45	1.24	0.00	0.00	0.00	0.00	3.66	8.35	
1585	3.01	1.32	0.00	0.00	0.00	0.00	2.79	7.12	3.76	1.35	0.00	0.00	0.00	0.00	3.99	9.10	
1590	3.25	1.42	0.00	0.00	0.00	0.00	3.02	7.69	4.07	1.46	0.00	0.00	0.00	0.00	4.31	9.84	
1595	3.46	1.52	0.00	0.00	0.00	0.00	3.21	8.19	4.33	1.56	0.00	0.00	0.00	0.00	4.59	10.48	
1600	3.61	1.58	0.00	0.00	0.00	0.00	3.35	8.54	4.52	1.63	0.00	0.00	0.00	0.00	4.79	10.94	
1605	3.93	1.72	0.00	0.00	0.00	0.00	3.65	9.30	4.91	1.77	0.00	0.00	0.00	0.00	5.21	11.89	
1610	4.18	1.83	0.00	0.00	0.00	0.00	3.88	9.89	5.22	1.88	0.00	0.00	0.00	0.00	5.54	12.64	
1615	4.41	1.93	0.00	0.00	0.00	0.00	4.09	10.43	5.51	1.98	0.00	0.00	0.00	0.00	5.84	13.33	
1620	4.66	2.04	0.00	0.00	0.00	0.00	4.32	11.02	5.83	2.10	0.00	0.00	0.00	0.00	6.18	14.11	
1625	4.85	2.12	0.00	0.00	0.00	0.00	4.50	11.47	6.06	2.18	0.00	0.00	0.00	0.00	6.43	14.67	
1630	5.09	2.23	0.00	0.00	0.00	0.00	4.73	12.05	6.37	2.29	0.00	0.00	0.00	0.00	6.75	15.41	
1640	0.13	0.06	0.00	0.00	0.00	0.00	0.12	0.31									

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1645	0.16	0.08	0.00	0.00	0.00	0.00	0.16	0.40								
1650	0.21	0.10	0.00	0.00	0.00	0.00	0.20	0.51								
1655	0.29	0.14	0.00	0.00	0.00	0.00	0.29	0.72								
1660	0.37	0.18	0.00	0.00	0.00	0.00	0.36	0.91								
1670	0.52	0.25	0.00	0.00	0.00	0.00	0.52	1.29								
1675	0.54	0.26	0.00	0.00	0.00	0.00	0.54	1.34								
1680	0.56	0.27	0.00	0.00	0.00	0.00	0.56	1.39								
1685	0.75	0.36	0.00	0.00	0.00	0.00	0.74	1.85								
1690	0.78	0.38	0.00	0.00	0.00	0.00	0.77	1.93								
1695	1.13	0.54	0.00	0.00	0.00	0.00	1.12	2.79								
1700	1.35	0.65	0.00	0.00	0.00	0.00	1.33	3.33								
1710	0.59	0.29	0.00	0.00	0.00	0.00	0.59	1.47								
1715	0.66	0.32	0.00	0.00	0.00	0.00	0.65	1.63								
1720	0.77	0.37	0.00	0.00	0.00	0.00	0.76	1.90								
1725	0.86	0.41	0.00	0.00	0.00	0.00	0.85	2.12								
1730	1.01	0.49	0.00	0.00	0.00	0.00	1.00	2.50								
1745	0.30	0.13	0.00	0.00	0.00	0.00	0.28	0.71	0.38	0.14	0.00	0.00	0.00	0.00	0.40	0.92
1750	0.36	0.16	0.00	0.00	0.00	0.00	0.33	0.85	0.45	0.16	0.00	0.00	0.00	0.00	0.47	1.08
1755	0.44	0.19	0.00	0.00	0.00	0.00	0.41	1.04	0.55	0.20	0.00	0.00	0.00	0.00	0.58	1.33
1760	0.52	0.23	0.00	0.00	0.00	0.00	0.48	1.23	0.65	0.23	0.00	0.00	0.00	0.00	0.69	1.57
1765	0.61	0.27	0.00	0.00	0.00	0.00	0.57	1.45	0.76	0.27	0.00	0.00	0.00	0.00	0.81	1.84
1770	0.75	0.33	0.00	0.00	0.00	0.00	0.70	1.78	0.94	0.34	0.00	0.00	0.00	0.00	1.00	2.28
1775	0.83	0.36	0.00	0.00	0.00	0.00	0.77	1.96	1.04	0.37	0.00	0.00	0.00	0.00	1.10	2.51
1780	1.01	0.44	0.00	0.00	0.00	0.00	0.94	2.39	1.27	0.46	0.00	0.00	0.00	0.00	1.34	3.07
1785	1.08	0.47	0.00	0.00	0.00	0.00	1.00	2.55	1.35	0.48	0.00	0.00	0.00	0.00	1.43	3.26
1790	1.30	0.57	0.00	0.00	0.00	0.00	1.21	3.08	1.63	0.59	0.00	0.00	0.00	0.00	1.72	3.94
1795	1.41	0.62	0.00	0.00	0.00	0.00	1.31	3.34	1.76	0.63	0.00	0.00	0.00	0.00	1.87	4.26
1800	1.54	0.68	0.00	0.00	0.00	0.00	1.43	3.65	1.93	0.69	0.00	0.00	0.00	0.00	2.04	4.66
1805	1.71	0.75	0.00	0.00	0.00	0.00	1.59	4.05	2.14	0.77	0.00	0.00	0.00	0.00	2.27	5.18
1810	1.97	0.86	0.00	0.00	0.00	0.00	1.83	4.66	2.47	0.89	0.00	0.00	0.00	0.00	2.62	5.98
1815	2.15	0.94	0.00	0.00	0.00	0.00	1.99	5.08	2.68	0.97	0.00	0.00	0.00	0.00	2.84	6.49
1820	2.63	1.15	0.00	0.00	0.00	0.00	2.44	6.22	3.29	1.19	0.00	0.00	0.00	0.00	3.49	7.97
1825	3.03	1.33	0.00	0.00	0.00	0.00	2.81	7.17	3.79	1.36	0.00	0.00	0.00	0.00	4.01	9.16
1835	0.35	0.15	0.00	0.00	0.00	0.00	0.32	0.82	0.44	0.16	0.00	0.00	0.00	0.00	0.46	1.06
1840	0.43	0.19	0.00	0.00	0.00	0.00	0.40	1.02	0.54	0.19	0.00	0.00	0.00	0.00	0.57	1.30
1845	0.53	0.23	0.00	0.00	0.00	0.00	0.49	1.25	0.67	0.24	0.00	0.00	0.00	0.00	0.71	1.62
1850	0.64	0.28	0.00	0.00	0.00	0.00	0.59	1.51	0.80	0.29	0.00	0.00	0.00	0.00	0.84	1.93
1855	0.73	0.32	0.00	0.00	0.00	0.00	0.68	1.73	0.92	0.33	0.00	0.00	0.00	0.00	0.97	2.22
1860	0.88	0.38	0.00	0.00	0.00	0.00	0.81	2.07	1.10	0.39	0.00	0.00	0.00	0.00	1.16	2.65
1865	0.97	0.42	0.00	0.00	0.00	0.00	0.90	2.29	1.21	0.44	0.00	0.00	0.00	0.00	1.28	2.93
1870	1.17	0.51	0.00	0.00	0.00	0.00	1.08	2.76	1.46	0.52	0.00	0.00	0.00	0.00	1.55	3.53
1875	1.25	0.55	0.00	0.00	0.00	0.00	1.16	2.96	1.56	0.56	0.00	0.00	0.00	0.00	1.65	3.77
1880	1.60	0.70	0.00	0.00	0.00	0.00	1.48	3.78	2.00	0.72	0.00	0.00	0.00	0.00	2.12	4.84
1885	1.65	0.72	0.00	0.00	0.00	0.00	1.53	3.90	2.06	0.74	0.00	0.00	0.00	0.00	2.19	4.99
1890	1.88	0.83	0.00	0.00	0.00	0.00	1.75	4.46	2.36	0.85	0.00	0.00	0.00	0.00	2.50	5.71
1895	2.07	0.91	0.00	0.00	0.00	0.00	1.92	4.90	2.59	0.93	0.00	0.00	0.00	0.00	2.75	6.27
1900	2.49	1.09	0.00	0.00	0.00	0.00	2.31	5.89	3.11	1.12	0.00	0.00	0.00	0.00	3.29	7.52
1905	2.65	1.16	0.00	0.00	0.00	0.00	2.46	6.27	3.31	1.19	0.00	0.00	0.00	0.00	3.51	8.01
1910	3.37	1.48	0.00	0.00	0.00	0.00	3.13	7.98	4.22	1.52	0.00	0.00	0.00	0.00	4.47	10.21
1915	3.76	1.64	0.00	0.00	0.00	0.00	3.48	8.88	4.69	1.69	0.00	0.00	0.00	0.00	4.98	11.36
1925	1.40	0.61	0.00	0.00	0.00	0.00	1.30	3.31	1.75	0.63	0.00	0.00	0.00	0.00	1.86	4.24
1930	1.46	0.64	0.00	0.00	0.00	0.00	1.35	3.45	1.82	0.66	0.00	0.00	0.00	0.00	1.93	4.41
1935	1.63	0.71	0.00	0.00	0.00	0.00	1.51	3.85	2.04	0.73	0.00	0.00	0.00	0.00	2.16	4.93
1940	2.18	0.96	0.00	0.00	0.00	0.00	2.03	5.17	2.73	0.98	0.00	0.00	0.00	0.00	2.89	6.60
1945	2.44	1.07	0.00	0.00	0.00	0.00	2.26	5.77	3.05	1.10	0.00	0.00	0.00	0.00	3.23	7.38

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	
1950	2.52	1.10	0.00	0.00	0.00	0.00	2.34	5.96	3.15	1.13	0.00	0.00	0.00	0.00	3.34	7.62
1955	2.70	1.18	0.00	0.00	0.00	0.00	2.50	6.38	3.37	1.21	0.00	0.00	0.00	0.00	3.58	8.16
1960	3.43	1.50	0.00	0.00	0.00	0.00	3.18	8.11	4.29	1.54	0.00	0.00	0.00	0.00	4.55	10.38
1965	3.53	1.55	0.00	0.00	0.00	0.00	3.28	8.36	4.41	1.59	0.00	0.00	0.00	0.00	4.68	10.68
1970	4.49	1.97	0.00	0.00	0.00	0.00	4.17	10.63	5.62	2.02	0.00	0.00	0.00	0.00	5.96	13.60
1975	4.64	2.03	0.00	0.00	0.00	0.00	4.31	10.98	5.81	2.09	0.00	0.00	0.00	0.00	6.16	14.06
1980	5.52	2.42	0.00	0.00	0.00	0.00	5.12	13.06	6.90	2.49	0.00	0.00	0.00	0.00	7.32	16.71
1985	5.84	2.56	0.00	0.00	0.00	0.00	5.42	13.82	7.30	2.63	0.00	0.00	0.00	0.00	7.74	17.67
1995	0.83	0.36	0.00	0.00	0.00	0.00	0.77	1.96	1.04	0.37	0.00	0.00	0.00	0.00	1.10	2.51
2000	1.07	0.47	0.00	0.00	0.00	0.00	0.99	2.53	1.33	0.48	0.00	0.00	0.00	0.00	1.41	3.22
2005	1.46	0.64	0.00	0.00	0.00	0.00	1.35	3.45	1.82	0.66	0.00	0.00	0.00	0.00	1.93	4.41
2010	1.93	0.85	0.00	0.00	0.00	0.00	1.79	4.57	2.41	0.87	0.00	0.00	0.00	0.00	2.56	5.84
2015	2.88	1.26	0.00	0.00	0.00	0.00	2.68	6.82	3.60	1.30	0.00	0.00	0.00	0.00	3.82	8.72
2020	3.29	1.44	0.00	0.00	0.00	0.00	3.05	7.78	4.11	1.48	0.00	0.00	0.00	0.00	4.36	9.95
2025	3.98	1.74	0.00	0.00	0.00	0.00	3.70	9.42	4.98	1.79	0.00	0.00	0.00	0.00	5.28	12.05
2030	4.84	2.12	0.00	0.00	0.00	0.00	4.50	11.46	6.06	2.18	0.00	0.00	0.00	0.00	6.42	14.66
2035	5.88	2.57	0.00	0.00	0.00	0.00	5.45	13.90	7.35	2.65	0.00	0.00	0.00	0.00	7.79	17.79
2040	6.82	2.99	0.00	0.00	0.00	0.00	6.33	16.14	8.53	3.07	0.00	0.00	0.00	0.00	9.05	20.65
2050	0.23	0.07	0.34	0.08	0.00	0.00	0.39	1.11								
2055	0.18	0.06	0.34	0.08	0.00	0.00	0.31	0.97								
2060	0.24	0.07	0.56	0.13	0.00	0.00	0.42	1.42								
2065	0.31	0.10	0.56	0.13	0.00	0.00	0.54	1.64								
2070	0.40	0.13	0.67	0.16	0.00	0.00	0.70	2.06								
2075	0.16	0.05	0.34	0.08	0.00	0.00	0.27	0.90								
2080	0.25	0.08	0.78	0.19	0.00	0.00	0.43	1.73								
2085	0.23	0.07	0.45	0.11	0.00	0.00	0.41	1.27								
2090	0.29	0.09	0.45	0.11	0.00	0.00	0.51	1.45								
2095	0.20	0.06	0.45	0.11	0.00	0.00	0.35	1.17								
2100	0.42	0.13	0.24	0.06	0.00	0.00	0.72	1.57								
2105	0.72	0.22	0.24	0.06	0.00	0.00	1.24	2.48								
2110	1.25	0.39	0.24	0.06	0.00	0.00	2.16	4.10								
2115	0.97	0.30	0.24	0.06	0.00	0.00	1.68	3.25								
2120	1.20	0.37	0.19	0.05	0.00	0.00	2.08	3.89								
2125	1.67	0.52	0.38	0.09	0.00	0.00	2.89	5.55								
2130	2.08	0.64	0.61	0.15	0.00	0.00	3.59	7.07								
2135	0.46	0.14	1.01	0.24	0.00	0.00	0.80	2.65								
2140	0.49	0.15	0.33	0.08	0.00	0.00	0.84	1.89								
2145	0.79	0.24	0.47	0.11	0.00	0.00	1.36	2.97								
2150	1.60	0.50	0.47	0.11	0.00	0.00	2.77	5.45								
2155	1.55	0.48	0.38	0.09	0.00	0.00	2.67	5.17								
2160	1.75	0.54	0.38	0.09	0.00	0.00	3.02	5.78								
2170	0.22	0.08	0.44	0.14	0.00	0.00	0.27	1.15								
2180	0.18	0.06	0.61	0.20	0.00	0.00	0.22	1.27								
2185	0.72	0.24	1.40	0.45	0.00	0.00	0.87	3.68								
2190	0.92	0.31	1.40	0.45	0.00	0.00	1.13	4.21								
2200	0.07	0.03	0.07	0.03	0.02	0.00	0.09	0.31								
2205	0.07	0.03	0.07	0.03	0.02	0.00	0.09	0.31								
2210	0.25	0.09	0.61	0.20	0.02	0.00	0.31	1.48								
2215	0.19	0.07	0.61	0.20	0.02	0.00	0.24	1.33								
2225	10.61	5.12	4.80	1.34	0.00	0.00	13.52	35.39								
2230	18.72	9.02	7.03	1.97	0.00	0.00	23.85	60.59								
2235	32.97	15.89	8.45	2.37	0.00	0.00	41.99	101.67								
2245	2.17	1.05	5.28	1.69	0.04	0.01	2.77	13.01								
2250	9.67	4.66	3.38	0.95	0.00	0.00	12.32	30.98								
2260	2.48	1.00	0.60	0.17	0.06	0.01	3.20	7.52								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
2265	2.84	1.14	1.00	0.28	0.04	0.01	3.65	8.96								
2270	0.80	0.33	0.00	0.19	0.04	0.01	1.04	2.41								
2275	1.61	0.65	0.00	0.31	0.04	0.01	2.07	4.69								
2285	4.43	1.76	3.09	0.87	0.02	0.00	5.70	15.87								
2295	5.71	2.27	4.98	1.40	0.02	0.00	7.34	21.72								
2300	14.33	5.72	13.05	3.66	0.23	0.03	18.43	55.45								
2310	4.51	1.79	3.34	0.93	0.02	0.00	5.80	16.39								
2315	6.99	2.80	7.58	2.12	0.12	0.02	9.00	28.63								
2320	7.19	2.88	7.58	2.12	0.12	0.02	9.25	29.16								
2325	9.59	3.81	8.82	2.47	0.06	0.01	12.32	37.08								
2330	12.31	4.89	14.95	4.19	0.06	0.01	15.82	52.23								
2335	14.96	6.04	10.88	3.05	0.58	0.09	19.29	54.89								
2340	21.85	8.78	10.88	3.05	0.60	0.09	28.15	73.40								
2345	27.30	10.97	14.86	4.16	0.79	0.12	35.16	93.36								
2355	0.17	0.07	0.90	0.29	0.00	0.00	0.22	1.65								
2360	0.19	0.08	1.34	0.43	0.00	0.00	0.24	2.28								
2365	0.20	0.08	1.57	0.50	0.00	0.00	0.25	2.60								
2370	0.41	0.16	1.57	0.50	0.00	0.00	0.53	3.17								
2375	0.53	0.21	2.01	0.64	0.00	0.00	0.68	4.07								
2380	0.53	0.21	2.57	0.82	0.00	0.00	0.69	4.82								
2385	0.85	0.34	3.36	1.07	0.00	0.00	1.10	6.72								
2390	1.15	0.46	7.28	2.33	0.00	0.00	1.48	12.70								
2400	13.22	7.56	2.48	0.79	0.00	0.00	13.36	37.41	15.86	7.69	3.15	1.01	0.00	0.00	18.32	46.03
2405	14.67	10.31	3.04	0.61	0.00	0.00	16.94	45.57	16.92	10.42	3.86	0.77	0.00	0.00	21.99	53.96
2410	14.76	10.38	2.44	0.49	0.00	0.00	13.85	41.92	17.03	10.49	3.15	0.63	0.00	0.00	17.21	48.51
2420	16.10	11.32	2.44	0.49	0.00	0.00	15.11	45.46	18.57	11.44	3.15	0.63	0.00	0.00	18.77	52.56
2430	16.93	11.91	2.44	0.49	0.00	0.00	15.89	47.66	19.53	12.03	3.15	0.63	0.00	0.00	19.74	55.08
2440	20.08	14.12	4.49	0.90	0.00	0.00	23.20	62.79	23.17	14.27	5.68	1.14	0.00	0.00	30.11	74.37
2445	19.66	13.82	3.59	0.72	0.00	0.00	18.45	56.24	22.68	13.97	4.64	0.93	0.00	0.00	22.93	65.15
2455	17.37	14.49	3.59	0.79	0.00	0.00	18.81	55.05	19.54	14.59	4.64	1.02	0.00	0.00	22.57	62.36
2465	21.50	17.93	3.59	0.79	0.00	0.00	23.28	67.09	24.18	18.06	4.64	1.02	0.00	0.00	27.94	75.84
2475	28.23	23.55	6.13	1.35	0.00	0.00	30.57	89.83	31.76	23.72	7.92	1.74	0.00	0.00	36.69	101.83
2485	29.91	24.95	6.13	1.35	0.00	0.00	32.39	94.73	33.64	25.13	7.92	1.74	0.00	0.00	38.86	107.29
2490	28.39	23.68	7.66	1.69	0.00	0.00	36.89	98.31	31.93	23.85	9.71	2.14	0.00	0.00	46.11	113.74
2500	32.96	27.49	6.13	1.35	0.00	0.00	35.69	103.62	37.08	27.69	7.92	1.74	0.00	0.00	42.83	117.26
2510	31.18	28.73	6.13	1.47	0.00	0.00	38.27	105.78	34.64	28.90	7.92	1.90	0.00	0.00	45.02	118.38
2520	33.36	30.74	6.13	1.47	0.00	0.00	40.95	112.65	37.07	30.92	7.92	1.90	0.00	0.00	48.17	125.98
2535	13.99	8.00	3.07	0.98	0.00	0.00	14.14	40.18	16.78	8.14	3.89	1.24	0.00	0.00	19.39	49.44
2540	11.43	8.04	2.46	0.49	0.00	0.00	10.73	33.15	13.19	8.13	3.17	0.63	0.00	0.00	13.33	38.45
2550	21.71	10.53	4.49	0.90	0.00	0.00	25.07	62.70	27.13	10.79	5.90	1.18	0.00	0.00	35.26	80.26
2555	16.12	11.34	3.84	0.77	0.00	0.00	18.62	50.69	18.60	11.46	4.87	0.97	0.00	0.00	24.17	60.07
2560	16.20	11.39	3.08	0.62	0.00	0.00	15.21	46.50	18.70	11.52	3.97	0.79	0.00	0.00	18.90	53.88
2570	30.90	14.99	5.54	1.11	0.00	0.00	35.69	88.23	38.63	15.36	7.29	1.46	0.00	0.00	50.20	112.94
2575	21.12	14.85	4.75	0.95	0.00	0.00	24.39	66.06	24.37	15.01	6.02	1.20	0.00	0.00	31.66	78.26
2585	39.29	20.37	6.39	1.40	0.00	0.00	47.88	115.33	47.14	20.75	8.39	1.85	0.00	0.00	63.84	141.97
2590	37.60	19.49	6.39	1.40	0.00	0.00	45.83	110.71	45.12	19.86	8.39	1.85	0.00	0.00	61.10	136.32
2595	24.29	20.26	5.47	1.20	0.00	0.00	31.57	82.79	27.33	20.41	6.93	1.53	0.00	0.00	39.46	95.66
2600	23.77	19.82	4.38	0.96	0.00	0.00	25.74	74.67	26.74	19.97	5.66	1.24	0.00	0.00	30.88	84.49
2610	29.91	24.95	5.19	1.14	0.00	0.00	32.39	93.58	33.65	25.13	6.70	1.47	0.00	0.00	38.87	105.82
2615	28.59	23.85	6.49	1.43	0.00	0.00	37.15	97.51	32.16	24.02	8.22	1.81	0.00	0.00	46.44	112.65
2625	47.34	24.54	7.66	1.69	0.00	0.00	57.69	138.92	56.80	25.00	10.07	2.22	0.00	0.00	76.92	171.01
2630	44.77	23.21	7.66	1.69	0.00	0.00	54.57	131.90	53.73	23.65	10.07	2.22	0.00	0.00	72.76	162.43
2635	26.55	22.14	6.57	1.45	0.00	0.00	34.50	91.21	29.87	22.31	8.32	1.83	0.00	0.00	43.12	105.45
2645	57.59	34.37	11.37	2.73	0.00	0.00	85.79	191.85	67.19	34.84	14.94	3.59	0.00	0.00	109.19	229.75
2650	31.12	28.67	9.75	2.34	0.00	0.00	44.93	116.81	34.58	28.84	12.34	2.96	0.00	0.00	54.92	133.64

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
2665	10.72	7.54	2.35	0.47	0.00	0.00	10.06	31.14	12.36	7.62	3.03	0.61	0.00	0.00	12.50	36.12
2675	14.27	11.90	3.52	0.78	0.00	0.00	15.45	45.92	16.05	11.99	4.55	1.00	0.00	0.00	18.54	52.13
2685	19.96	16.65	3.63	0.80	0.00	0.00	21.62	62.66	22.46	16.77	4.69	1.03	0.00	0.00	25.94	70.89
2695	30.21	25.20	5.23	1.15	0.00	0.00	32.71	94.50	33.98	25.38	6.76	1.49	0.00	0.00	39.25	106.86
2710	19.90	16.60	7.66	1.69	0.00	0.00	25.86	71.71	22.39	16.72	9.71	2.14	0.00	0.00	32.32	83.28
2715	21.53	17.96	6.13	1.35	0.00	0.00	23.31	70.28	24.22	18.09	7.92	1.74	0.00	0.00	27.98	79.95
2725	25.32	21.12	8.01	1.76	0.00	0.00	32.90	89.11	28.49	21.27	10.15	2.23	0.00	0.00	41.13	103.27
2730	25.65	21.39	6.41	1.41	0.00	0.00	27.77	82.63	28.85	21.55	8.28	1.82	0.00	0.00	33.33	93.83
2740	33.69	28.10	9.61	2.11	0.00	0.00	43.78	117.29	37.90	28.31	12.18	2.68	0.00	0.00	54.73	135.80
2745	30.70	28.28	7.69	1.85	0.00	0.00	37.67	106.19	34.11	28.45	9.93	2.38	0.00	0.00	44.32	119.19
2755	47.89	44.13	14.63	3.51	0.00	0.00	58.78	168.94	53.21	44.39	18.90	4.54	0.00	0.00	69.15	190.19
2760	48.68	44.86	18.29	4.39	0.00	0.00	70.29	186.51	54.09	45.12	23.17	5.56	0.00	0.00	85.91	213.85
2775	14.95	10.52	6.35	1.27	0.00	0.00	17.27	50.36	17.26	10.63	8.05	1.61	0.00	0.00	22.42	59.97
2780	14.79	10.40	5.08	1.02	0.00	0.00	13.88	45.17	17.06	10.51	6.57	1.31	0.00	0.00	17.25	52.70
2790	37.87	18.36	8.19	1.64	0.00	0.00	43.74	109.80	47.33	18.82	10.77	2.15	0.00	0.00	61.51	140.58
2795	21.45	15.08	7.02	1.40	0.00	0.00	24.78	69.73	24.75	15.24	8.89	1.78	0.00	0.00	32.16	82.82
2800	21.23	14.93	5.62	1.12	0.00	0.00	19.92	62.82	24.49	15.09	7.26	1.45	0.00	0.00	24.76	73.05
2810	20.92	17.45	7.02	1.54	0.00	0.00	27.19	74.12	23.54	17.58	8.89	1.96	0.00	0.00	33.98	85.95
2815	20.74	17.30	5.62	1.24	0.00	0.00	22.46	67.36	23.33	17.42	7.26	1.60	0.00	0.00	26.95	76.56
2825	55.44	28.74	11.15	2.45	0.00	0.00	67.57	165.35	66.52	29.28	14.66	3.22	0.00	0.00	90.09	203.77
2830	31.09	25.93	9.56	2.10	0.00	0.00	40.40	109.08	34.97	26.12	12.11	2.66	0.00	0.00	50.50	126.36
2835	32.12	26.79	7.65	1.68	0.00	0.00	34.78	103.02	36.14	26.99	9.88	2.17	0.00	0.00	41.74	116.92
2845	28.56	26.31	12.18	2.92	0.00	0.00	41.23	111.20	31.73	26.47	15.42	3.70	0.00	0.00	50.40	127.72
2850	32.90	27.44	9.74	2.14	0.00	0.00	35.63	107.85	37.01	27.64	12.58	2.77	0.00	0.00	42.75	122.75
2865	16.41	11.54	3.74	0.75	0.00	0.00	18.96	51.40	18.94	11.66	4.73	0.95	0.00	0.00	24.61	60.89
2870	13.94	11.63	2.99	0.66	0.00	0.00	15.09	44.31	15.68	11.71	3.86	0.85	0.00	0.00	18.11	50.21
2880	20.50	14.42	5.29	1.06	0.00	0.00	23.68	64.95	23.66	14.57	6.70	1.34	0.00	0.00	30.74	77.01
2885	17.54	14.63	4.23	0.93	0.00	0.00	19.00	56.33	19.73	14.74	5.46	1.20	0.00	0.00	22.80	63.93
2890	20.58	17.17	6.30	1.39	0.00	0.00	26.75	72.19	23.16	17.30	7.98	1.76	0.00	0.00	33.44	83.64
2895	21.33	17.79	5.04	1.11	0.00	0.00	23.09	68.36	23.99	17.92	6.51	1.43	0.00	0.00	27.71	77.56
2900	57.51	52.99	8.07	1.94	0.00	0.00	70.59	191.10	63.90	53.30	10.43	2.50	0.00	0.00	83.04	213.17
2910	5.74	4.03	3.79	1.14	0.89	0.13	5.47	21.19								
2915	6.16	4.32	3.89	1.17	0.89	0.13	5.88	22.44								
2920	6.85	4.84	3.89	1.17	1.21	0.18	6.54	24.68								
2925	7.52	5.30	3.89	1.17	1.25	0.19	7.18	26.50								
2930	10.05	7.06	5.28	1.58	1.09	0.16	9.59	34.81								
2935	13.79	9.78	5.75	1.72	2.66	0.40	13.18	47.28								
2940	16.35	11.66	5.75	1.72	3.49	0.52	15.64	55.13								
2945	20.29	14.36	7.03	2.11	3.76	0.56	19.38	67.49								
2950	26.00	18.53	7.78	2.33	5.53	0.83	24.86	85.86								
2955	49.41	34.97	17.32	5.19	9.11	1.37	47.20	164.57								
2965	5.96	4.12	3.86	1.16	0.54	0.08	5.67	21.39								
2970	6.37	4.40	4.09	1.23	0.54	0.08	6.06	22.77								
2975	9.69	6.84	6.09	1.83	1.70	0.25	9.25	35.65								
2985	6.03	4.17	4.23	1.27	0.54	0.08	5.74	22.06								
2990	6.20	4.28	4.23	1.27	0.54	0.08	5.90	22.50								
2995	6.42	4.43	4.23	1.27	0.54	0.08	6.11	23.08								
3000	7.25	5.06	4.23	1.27	0.93	0.14	6.91	25.79								
3005	9.21	6.44	5.24	1.57	1.27	0.19	8.78	32.70								
3010	9.49	6.63	5.24	1.57	1.27	0.19	9.05	33.44								
3015	9.82	6.86	5.24	1.57	1.27	0.19	9.36	34.31								
3020	12.90	9.18	6.83	2.05	2.66	0.40	12.33	46.35								
3025	13.37	9.50	6.83	2.05	2.66	0.40	12.78	47.59								
3030	13.90	9.85	6.83	2.05	2.66	0.40	13.28	48.97								
3035	17.80	12.69	7.95	2.38	3.76	0.56	17.02	62.16								

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
3045	5.40	3.72	3.99	1.20	0.44	0.07	5.13	19.95								
3050	5.53	3.83	3.99	1.20	0.54	0.08	5.26	20.43								
3055	5.74	3.97	3.99	1.20	0.54	0.08	5.46	20.98								
3060	6.56	4.60	3.99	1.20	0.93	0.14	6.26	23.68								
3065	14.59	10.32	6.36	1.91	2.66	0.40	13.93	50.17								
3075	9.57	7.37	5.80	1.51	0.76	0.11	7.80	32.92	10.77	7.43	7.42	1.93	0.92	0.14	9.51	38.12
3080	16.64	12.74	8.25	2.14	0.95	0.14	13.55	54.41	18.72	12.84	10.62	2.76	1.16	0.17	16.52	62.79
3090	11.03	7.12	5.82	2.09	0.51	0.08	7.49	34.14	12.73	7.21	7.65	2.76	0.62	0.09	9.50	40.56
3095	11.02	8.50	6.87	1.79	0.94	0.14	8.99	38.25	12.40	8.57	9.03	2.35	1.15	0.17	10.96	44.63
3100	13.78	10.58	7.20	1.87	0.95	0.14	11.23	45.75	15.50	10.66	9.48	2.46	1.16	0.17	13.68	53.11
3105	18.12	15.58	8.41	2.19	2.49	0.37	17.27	64.43	20.13	15.68	10.80	2.81	3.08	0.46	20.56	73.52
3110	28.19	23.96	8.73	2.27	2.49	0.37	26.82	92.83	31.33	24.12	11.17	2.90	3.08	0.46	31.93	104.99
3115	28.14	29.11	13.33	3.47	3.19	0.48	32.68	110.40	30.96	29.25	17.16	4.46	3.94	0.59	38.20	124.56
3125	10.88	7.05	7.31	2.63	0.61	0.09	7.39	35.96	12.56	7.13	9.61	3.46	0.75	0.11	9.38	43.00
3130	10.66	8.17	7.31	1.90	0.68	0.10	8.68	37.50	11.99	8.23	9.61	2.50	0.84	0.13	10.58	43.88
3135	12.97	9.95	8.25	2.15	0.81	0.12	10.57	44.82	14.60	10.03	10.86	2.82	0.99	0.15	12.88	52.33
3145	11.32	7.30	7.10	2.56	0.51	0.08	7.68	36.55	13.06	7.39	9.34	3.36	0.62	0.09	9.75	43.61
3150	11.92	9.16	8.25	2.15	0.90	0.13	9.71	42.22	13.40	9.24	10.86	2.82	1.10	0.17	11.84	49.43
3155	12.91	9.92	8.05	2.09	0.90	0.13	10.52	44.52	14.53	10.00	10.59	2.75	1.10	0.17	12.83	51.97
3160	18.59	15.98	12.34	3.21	2.49	0.37	17.71	70.69	20.66	16.08	16.24	4.22	3.08	0.46	21.09	81.83
3170	17.46	13.50	5.47	1.42	1.66	0.25	14.25	54.01	19.65	13.61	6.97	1.81	2.05	0.31	17.36	61.76
3175	16.21	13.83	5.47	1.42	1.66	0.25	15.43	54.27	18.01	13.91	6.97	1.81	2.05	0.31	18.37	61.43
3180	19.99	16.97	8.74	2.27	1.66	0.25	19.01	68.89	22.22	17.08	11.27	2.93	2.05	0.31	22.64	78.50
3185	22.82	19.41	9.53	2.48	2.11	0.32	21.71	78.38	25.36	19.54	12.20	3.17	2.61	0.39	25.85	89.12
3190	27.36	28.08	11.39	2.96	2.11	0.32	31.72	103.94	30.10	28.21	14.65	3.81	2.61	0.39	37.07	116.84
3195	36.35	37.77	12.70	3.30	4.86	0.73	42.25	137.96	39.99	37.95	16.27	4.23	6.00	0.90	49.38	154.72
3205	15.84	12.28	5.31	1.38	1.66	0.25	12.93	49.65	17.82	12.38	6.74	1.75	2.05	0.31	15.76	56.81
3210	21.93	18.62	7.70	2.00	1.85	0.28	20.85	73.23	24.36	18.74	9.81	2.55	2.29	0.34	24.83	82.92
3215	21.83	22.50	7.90	2.05	2.11	0.32	25.33	82.04	24.02	22.61	10.08	2.62	2.61	0.39	29.61	91.94
3225	16.54	14.10	6.74	1.75	1.66	0.25	15.74	56.78	18.38	14.19	8.62	2.24	2.05	0.31	18.74	64.53
3230	20.29	17.26	8.90	2.31	1.85	0.28	19.30	70.19	22.54	17.37	11.44	2.98	2.29	0.34	22.98	79.94
3235	21.09	21.76	9.37	2.44	2.12	0.32	24.47	81.57	23.19	21.86	12.04	3.13	2.59	0.39	28.60	91.80
3245	13.83	8.93	4.07	1.47	0.66	0.10	9.39	38.45	15.96	9.04	5.17	1.86	0.83	0.12	11.92	44.90
3250	12.89	9.87	4.31	1.12	0.77	0.12	10.50	39.58	14.50	9.95	5.46	1.42	0.96	0.14	12.80	45.23
3255	14.42	11.07	4.56	1.19	1.00	0.15	11.75	44.14	16.23	11.16	5.78	1.50	1.23	0.19	14.32	50.41
3260	18.49	14.27	6.14	1.60	1.66	0.25	15.08	57.49	20.80	14.39	7.84	2.04	2.05	0.31	18.38	65.81
3265	18.31	15.57	6.26	1.63	1.66	0.25	17.42	61.10	20.35	15.67	7.99	2.08	2.05	0.31	20.74	69.19
3270	20.46	17.45	7.74	2.01	2.11	0.32	19.48	69.57	22.74	17.57	9.84	2.56	2.61	0.39	23.19	78.90
3275	25.11	21.32	8.38	2.18	2.11	0.32	23.88	83.30	27.90	21.45	10.68	2.78	2.61	0.39	28.42	94.23
3280	22.69	23.36	9.43	2.45	2.11	0.32	26.32	86.68	24.96	23.48	12.06	3.14	2.61	0.39	30.76	97.40
3285	49.93	51.14	15.31	3.98	3.42	0.51	57.87	182.16	54.93	51.39	19.69	5.12	4.22	0.63	67.63	203.61
3295	10.68	11.03	5.29	7.63	0.00	0.00	14.22	48.85								
3300	0.47	0.48	0.00	0.00	0.00	0.00	0.62	1.57								
3305	1.73	1.79	0.00	0.00	0.00	0.00	2.30	5.82								
3310	13.43	13.87	9.26	9.61	0.00	0.00	17.88	64.05								
3315	0.47	0.48	0.00	0.00	0.00	0.00	0.62	1.57								
3320	1.73	1.79	0.00	0.00	0.00	0.00	2.30	5.82								
3325	16.43	16.97	9.26	9.61	0.00	0.00	21.88	74.15								
3330	0.59	0.61	0.00	0.00	0.00	0.00	0.79	1.99								
3335	1.79	1.85	0.00	0.00	0.00	0.00	2.39	6.03								
3340	19.03	19.65	14.55	12.26	0.00	0.00	25.34	90.83								
3345	0.63	0.65	0.00	0.00	0.00	0.00	0.84	2.12								
3350	3.41	3.52	0.00	0.00	0.00	0.00	4.54	11.47								
3355	20.13	20.79	14.55	12.26	0.00	0.00	26.80	94.53								
3360	0.59	0.61	0.00	0.00	0.00	0.00	0.79	1.99								

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	
3365	3.56	3.68	0.00	0.00	0.00	0.00	4.74	11.98								
3375	5.75	2.75	0.00	0.80	0.00	0.00	7.12	16.42								
3380	5.42	2.59	0.00	0.80	0.00	0.00	6.71	15.52								
3385	5.98	2.86	0.00	0.80	0.00	0.00	7.40	17.04								
3390	7.30	3.49	0.00	0.85	0.00	0.00	9.04	20.68								
3395	8.14	3.89	0.00	0.90	0.00	0.00	10.07	23.00								
3405	6.41	3.06	0.00	0.80	0.00	0.00	7.94	18.21								
3410	6.99	3.34	0.00	0.85	0.00	0.00	8.65	19.83								
3415	9.75	4.66	4.18	1.00	0.00	0.00	12.07	31.66								
3425	3.20	1.53	0.00	0.51	0.00	0.00	3.97	9.21								
3430	5.66	2.71	0.00	0.81	0.00	0.00	7.01	16.19								
3435	6.68	3.19	0.00	0.81	0.00	0.00	8.26	18.94								
3440	8.26	3.94	0.00	0.91	0.00	0.00	10.22	23.33								
3445	17.68	8.45	6.90	1.66	0.00	0.00	21.88	56.57								
3455	1.45	0.69	0.00	0.31	0.00	0.00	1.79	4.24								
3460	0.93	0.44	0.00	0.31	0.00	0.00	1.15	2.83								
3465	0.14	0.07	0.00	0.25	0.00	0.00	0.17	0.63								
3475	2.45	1.17	1.84	0.44	0.00	0.00	3.04	8.94								
3480	1.68	0.80	0.84	0.20	0.00	0.00	2.08	5.60								
3490	1.38	0.66	1.20	0.19	0.00	0.00	1.71	5.14								
3495	2.11	1.01	3.09	0.49	0.00	0.00	2.61	9.31								
3500	2.51	1.20	1.67	0.40	0.00	0.00	3.11	8.89								
3505	2.89	1.38	2.26	0.54	0.00	0.00	3.58	10.65								
3510	3.47	1.66	2.51	0.60	0.00	0.00	4.30	12.54								
3520	1.46	0.70	1.79	0.29	0.00	0.00	1.81	6.05								
3525	2.26	1.08	2.05	0.49	0.00	0.00	2.80	8.68								
3535	13.41	9.29	8.78	3.34	0.00	0.00	16.60	51.42								
3540	17.41	12.21	12.72	4.83	1.26	0.19	21.60	70.22								
3545	16.21	11.33	18.20	6.91	0.86	0.13	20.10	73.74								
3555	15.78	11.09	9.41	3.58	1.25	0.19	19.58	60.88								
3560	24.10	16.92	14.01	5.32	1.71	0.26	29.91	92.23								
3565	25.66	18.00	14.64	5.56	1.71	0.26	31.84	97.67								
3570	18.62	12.89	17.15	6.52	0.00	0.00	23.05	78.23								
3575	20.59	14.26	17.15	6.52	0.00	0.00	25.48	84.00								
3580	23.32	21.15	21.92	7.01	0.00	0.00	28.86	102.26								
3585	43.05	39.04	49.73	24.87	0.00	0.00	26.64	183.33								
3605	1.30	0.64	1.59	0.71	0.05	0.01	1.30	5.60								
3610	1.30	0.64	1.59	0.71	0.06	0.01	1.31	5.62								
3615	1.37	0.68	1.59	0.71	0.08	0.01	1.38	5.82								
3620	1.90	0.94	2.82	1.27	0.09	0.01	1.90	8.93								
3625	1.94	0.96	2.82	1.27	0.09	0.01	1.95	9.04								
3630	2.14	1.06	4.15	1.87	0.09	0.01	2.15	11.47								
3635	2.63	1.31	4.67	2.10	0.14	0.02	2.64	13.51								
3640	2.77	1.37	4.67	2.10	0.12	0.02	2.78	13.83								
3645	2.95	1.44	4.67	2.10	0.08	0.01	2.95	14.20								
3650	1.25	0.61	3.00	0.72	0.03	0.00	1.26	6.87								
3655	1.63	0.81	3.90	0.94	0.11	0.02	1.64	9.05								
3660	1.63	0.83	3.90	0.94	0.19	0.03	1.65	9.17								
3665	2.31	1.15	5.11	1.23	0.13	0.02	2.32	12.27								
3670	2.34	1.16	5.11	1.23	0.13	0.02	2.35	12.34								
3675	2.43	1.21	5.11	1.23	0.13	0.02	2.44	12.57								
3680	3.50	1.74	5.36	1.29	0.19	0.03	3.52	15.63								
3685	3.78	1.87	2.37	0.57	0.19	0.03	3.80	12.61								
3690	4.91	2.48	4.23	1.01	0.45	0.07	4.95	18.10								
3695	5.37	2.70	4.23	1.01	0.45	0.07	5.41	19.24								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3700	5.55	2.78	4.23	1.01	0.40	0.06	5.59	19.62								
3705	6.17	3.12	4.23	1.01	0.58	0.09	6.22	21.42								
3710	2.17	1.10	2.30	0.55	0.20	0.03	2.19	8.54								
3715	2.23	1.12	2.30	0.55	0.20	0.03	2.25	8.68								
3720	2.71	1.36	2.30	0.55	0.20	0.03	2.73	9.88								
3725	2.80	1.41	2.30	0.55	0.25	0.04	2.82	10.17								
3735	1.26	0.64	5.11	1.23	0.13	0.02	1.27	9.66								
3740	1.84	0.92	6.49	1.56	0.14	0.02	1.85	12.82								
3745	3.65	1.80	9.42	2.26	0.16	0.02	3.67	20.98								
3750	4.89	2.47	10.31	2.47	0.46	0.07	4.93	25.60								
3755	5.72	2.87	10.31	2.47	0.46	0.07	5.76	27.66								
3760	5.72	2.89	10.31	2.47	0.54	0.08	5.77	27.78								
3765	6.22	3.11	10.31	2.47	0.44	0.07	6.25	28.87								
3770	12.66	6.34	15.42	3.70	0.96	0.14	12.74	51.96								
3785	1.81	0.66	5.01	1.20	0.00	0.00	1.47	10.15	2.07	0.67	6.59	1.58	0.00	0.00	1.96	12.87
3790	2.38	0.86	6.32	1.52	0.00	0.00	1.93	13.01	2.72	0.88	8.32	2.00	0.00	0.00	2.57	16.49
3795	2.56	0.93	7.44	1.79	0.00	0.00	2.08	14.80	2.93	0.94	9.79	2.35	0.00	0.00	2.77	18.78
3800	2.75	1.00	9.81	2.35	0.00	0.00	2.24	18.15	3.15	1.02	12.90	3.10	0.00	0.00	2.98	23.15
3805	3.15	1.14	12.51	3.00	0.00	0.00	2.55	22.35	3.60	1.16	16.46	3.95	0.00	0.00	3.41	28.58
3810	3.74	1.35	12.51	3.00	0.00	0.00	3.04	23.64	4.28	1.38	16.46	3.95	0.00	0.00	4.05	30.12
3815	4.17	1.51	15.22	3.65	0.00	0.00	3.39	27.94	4.77	1.54	20.02	4.81	0.00	0.00	4.51	35.65
3820	5.04	1.82	16.91	4.06	0.00	0.00	4.09	31.92	5.76	1.86	22.25	5.34	0.00	0.00	5.45	40.66
3825	6.82	2.47	21.98	5.28	0.00	0.00	5.54	42.09	7.80	2.52	28.92	6.94	0.00	0.00	7.38	53.56
3830	9.10	3.29	28.58	6.86	0.00	0.00	7.39	55.22	10.40	3.35	37.60	9.02	0.00	0.00	9.85	70.22
3835	12.38	4.48	42.27	10.15	0.00	0.00	10.05	79.33	14.15	4.56	55.62	13.35	0.00	0.00	13.40	101.08
3840	16.24	5.88	49.04	11.77	0.00	0.00	13.19	96.12	18.56	5.99	64.52	15.49	0.00	0.00	17.58	122.14
3850	0.07	0.03	0.41	0.10	0.00	0.00	0.06	0.67	0.08	0.03	0.53	0.13	0.00	0.00	0.08	0.85
3855	0.12	0.04	0.65	0.16	0.00	0.00	0.09	1.06	0.13	0.04	0.85	0.20	0.00	0.00	0.13	1.35
3860	0.15	0.05	0.97	0.23	0.00	0.00	0.12	1.52	0.17	0.06	1.27	0.30	0.00	0.00	0.16	1.96
3875	0.16	0.06	0.49	0.12	0.00	0.00	0.13	0.96	0.18	0.06	0.63	0.15	0.00	0.00	0.17	1.19
3880	0.35	0.13	1.14	0.27	0.00	0.00	0.28	2.17	0.40	0.13	1.48	0.36	0.00	0.00	0.38	2.75
3885	0.38	0.14	1.62	0.39	0.00	0.00	0.31	2.84	0.44	0.14	2.12	0.51	0.00	0.00	0.41	3.62
3890	0.40	0.15	0.20	0.05	0.00	0.00	0.33	1.13	0.46	0.15	0.27	0.06	0.00	0.00	0.44	1.38
3895	0.54	0.19	0.41	0.10	0.00	0.00	0.44	1.68	0.61	0.20	0.53	0.13	0.00	0.00	0.58	2.05
3900	0.77	0.28	0.74	0.18	0.00	0.00	0.63	2.60	0.88	0.28	0.98	0.23	0.00	0.00	0.84	3.21
3905	0.80	0.29	0.91	0.22	0.00	0.00	0.65	2.87	0.91	0.29	1.20	0.29	0.00	0.00	0.86	3.55
3910	1.18	0.43	2.13	0.51	0.00	0.00	0.96	5.21	1.35	0.44	2.80	0.67	0.00	0.00	1.28	6.54
3915	1.56	0.56	2.94	0.71	0.00	0.00	1.27	7.04	1.78	0.58	3.87	0.93	0.00	0.00	1.69	8.85
3920	1.79	0.65	3.45	0.83	0.00	0.00	1.45	8.17	2.05	0.66	4.54	1.09	0.00	0.00	1.94	10.28
3925	2.13	0.77	5.48	1.31	0.00	0.00	1.73	11.42	2.44	0.79	7.21	1.73	0.00	0.00	2.31	14.48
3930	2.23	0.81	5.48	1.31	0.00	0.00	1.81	11.64	2.55	0.82	7.21	1.73	0.00	0.00	2.42	14.73
3935	2.60	0.94	7.10	1.70	0.00	0.00	2.11	14.45	2.97	0.96	9.34	2.24	0.00	0.00	2.81	18.32
3940	3.08	1.11	9.33	2.24	0.00	0.00	2.50	18.26	3.52	1.14	12.28	2.95	0.00	0.00	3.34	23.23
3950	0.10	0.03	0.41	0.10	0.00	0.00	0.08	0.72	0.11	0.04	0.53	0.13	0.00	0.00	0.10	0.91
3955	0.11	0.04	0.57	0.14	0.00	0.00	0.09	0.95	0.12	0.04	0.74	0.18	0.00	0.00	0.11	1.19
3960	0.15	0.05	0.65	0.16	0.00	0.00	0.12	1.13	0.17	0.05	0.85	0.20	0.00	0.00	0.16	1.43
3965	0.19	0.07	0.81	0.19	0.00	0.00	0.15	1.41	0.21	0.07	1.06	0.25	0.00	0.00	0.20	1.79
3970	0.20	0.07	1.30	0.31	0.00	0.00	0.16	2.04	0.22	0.07	1.69	0.41	0.00	0.00	0.21	2.60
3975	0.19	0.07	1.30	0.31	0.00	0.00	0.15	2.02	0.21	0.07	1.69	0.41	0.00	0.00	0.20	2.58
3990	6.24	4.05	3.89	1.32	0.45	0.07	5.80	21.82	7.49	4.11	5.12	1.74	0.60	0.09	8.12	27.27
3995	7.12	4.61	4.21	1.43	0.45	0.07	6.61	24.50	8.54	4.68	5.53	1.88	0.60	0.09	9.26	30.58
4000	7.65	4.95	4.21	1.43	0.49	0.07	7.11	25.91	9.18	5.03	5.53	1.88	0.66	0.10	9.95	32.33
4005	7.76	5.04	4.67	1.59	0.56	0.08	7.22	26.92	9.31	5.12	6.14	2.09	0.76	0.11	10.11	33.64
4010	10.67	7.04	5.61	1.91	1.24	0.19	9.97	36.63	12.81	7.15	7.37	2.51	1.68	0.25	13.95	45.72
4015	15.22	10.09	7.79	2.65	1.93	0.29	14.23	52.20	18.27	10.24	10.23	3.48	2.62	0.39	19.92	65.15

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	
4025	6.07	3.95	3.89	1.32	0.49	0.07	5.65	21.44	7.28	4.01	5.12	1.74	0.66	0.10	7.90	26.81
4030	6.84	4.46	4.49	1.53	0.54	0.08	6.37	24.31	8.21	4.52	5.90	2.00	0.73	0.11	8.91	30.38
4035	7.24	4.73	4.61	1.57	0.62	0.09	6.74	25.60	8.69	4.80	6.06	2.06	0.84	0.13	9.44	32.02
4040	7.92	5.14	5.64	1.92	0.54	0.08	7.36	28.60	9.51	5.22	7.41	2.52	0.73	0.11	10.31	35.81
4045	5.69	3.72	3.89	1.32	0.49	0.07	5.30	20.48	6.83	3.77	5.12	1.74	0.66	0.10	7.42	25.64
4050	6.30	4.11	4.49	1.53	0.54	0.08	5.86	22.91	7.55	4.17	5.90	2.00	0.73	0.11	8.21	28.67
4055	6.59	4.32	4.61	1.57	0.62	0.09	6.14	23.94	7.91	4.38	6.06	2.06	0.84	0.13	8.60	29.98
4060	7.21	4.71	5.64	1.92	0.62	0.09	6.72	26.91	8.66	4.78	7.41	2.52	0.84	0.13	9.40	33.74
4065	8.90	5.93	7.16	2.44	1.24	0.19	8.33	34.19	10.68	6.02	9.42	3.20	1.68	0.25	11.67	42.92
4075	3.39	2.18	2.12	0.72	0.15	0.02	3.14	11.72	4.07	2.21	2.78	0.95	0.21	0.03	4.40	14.65
4080	4.83	3.17	4.05	1.38	0.49	0.07	4.51	18.50	5.80	3.22	5.32	1.81	0.66	0.10	6.31	23.22
4085	5.31	3.49	4.52	1.54	0.56	0.08	4.95	20.45	6.37	3.55	5.94	2.02	0.76	0.11	6.94	25.69
4090	5.49	3.67	4.98	1.69	0.82	0.12	5.14	21.91	6.58	3.72	6.55	2.23	1.11	0.17	7.20	27.56
4100	2.88	1.86	5.10	1.02	0.15	0.02	2.67	13.70	3.45	1.88	6.61	1.32	0.21	0.03	3.74	17.24
4105	6.17	4.01	4.52	1.54	0.45	0.07	5.73	22.49	7.40	4.07	5.94	2.02	0.60	0.09	8.03	28.15
4110	7.60	4.94	5.79	1.97	0.56	0.08	7.07	28.01	9.12	5.02	7.61	2.59	0.76	0.11	9.90	35.11
4120	0.48	0.23	0.00	0.10	0.00	0.00	0.55	1.36								
4125	0.78	0.37	0.00	0.19	0.00	0.00	0.89	2.23								
4130	0.94	0.45	0.00	0.30	0.00	0.00	1.07	2.76								
4135	2.43	1.18	0.00	0.40	0.00	0.00	2.78	6.79								
4145	5.70	2.75	3.38	0.81	0.00	0.00	6.51	19.15								
4150	7.71	3.73	3.38	0.81	0.00	0.00	8.80	24.43								
4155	11.87	5.74	4.40	1.06	0.00	0.00	13.55	36.62								
4160	13.19	6.37	5.07	1.22	0.00	0.00	15.06	40.91								
4175	10.61	4.65	3.21	1.22	0.00	0.00	11.48	31.17	14.15	4.82	4.22	1.60	0.00	0.00	17.50	42.29
4180	15.12	7.33	5.76	1.15	0.00	0.00	17.46	46.82	18.90	7.52	7.57	1.51	0.00	0.00	24.56	60.06
4185	22.44	10.88	9.34	1.87	0.00	0.00	25.92	70.45	28.05	11.15	12.28	2.46	0.00	0.00	36.45	90.39
4190	31.80	16.49	14.20	3.12	0.00	0.00	38.75	104.36	38.16	16.79	18.67	4.11	0.00	0.00	51.67	129.40
4200	12.97	6.29	4.98	1.00	0.00	0.00	14.99	40.23	16.22	6.45	6.55	1.31	0.00	0.00	21.07	51.60
4205	18.54	8.99	7.32	1.46	0.00	0.00	21.42	57.73	23.17	9.22	9.62	1.92	0.00	0.00	30.11	74.04
4210	19.91	10.32	9.59	2.11	0.00	0.00	24.26	66.19	23.89	10.51	12.61	2.77	0.00	0.00	32.35	82.13
4215	41.53	21.53	19.19	4.22	0.00	0.00	50.62	137.09	49.84	21.93	25.22	5.55	0.00	0.00	67.49	170.03
4225	16.87	7.40	5.48	2.08	0.00	0.00	18.26	50.09	22.49	7.67	7.21	2.74	0.00	0.00	27.82	67.93
4230	19.88	9.64	6.39	1.28	0.00	0.00	22.96	60.15	24.85	9.88	8.39	1.68	0.00	0.00	32.29	77.09
4235	25.06	12.15	7.73	1.55	0.00	0.00	28.95	75.44	31.32	12.46	10.15	2.03	0.00	0.00	40.71	96.67
4240	37.27	19.32	12.21	2.69	0.00	0.00	45.42	116.91	44.72	19.68	16.05	3.53	0.00	0.00	60.56	144.54
4250	9.88	4.33	3.89	1.48	0.00	0.00	10.69	30.27	13.17	4.49	5.12	1.94	0.00	0.00	16.29	41.01
4255	12.27	5.38	5.14	1.95	0.00	0.00	13.28	38.02	16.36	5.58	6.76	2.57	0.00	0.00	20.24	51.51
4260	12.29	5.96	6.23	1.25	0.00	0.00	14.20	39.93	15.36	6.11	8.19	1.64	0.00	0.00	19.96	51.26
4270	11.93	5.23	2.80	1.07	0.00	0.00	12.91	33.94	15.90	5.42	3.68	1.40	0.00	0.00	19.67	46.07
4275	14.74	6.46	4.21	1.60	0.00	0.00	15.95	42.96	19.65	6.70	5.53	2.10	0.00	0.00	24.31	58.29
4280	22.67	10.99	6.07	1.21	0.00	0.00	26.19	67.13	28.34	11.27	7.98	1.60	0.00	0.00	36.82	86.01
4285	35.32	17.13	10.12	2.02	0.00	0.00	40.79	105.38	44.14	17.55	13.31	2.66	0.00	0.00	57.37	135.03
4300	14.88	6.53	3.58	1.36	0.00	0.00	16.11	42.46	19.84	6.77	4.71	1.79	0.00	0.00	24.54	57.65
4305	18.31	8.03	4.98	1.89	0.00	0.00	19.82	53.03	24.42	8.33	6.55	2.49	0.00	0.00	30.21	72.00
4310	21.46	10.41	8.47	1.69	0.00	0.00	24.79	66.82	26.83	10.67	11.14	2.23	0.00	0.00	34.86	85.73
4325	12.03	5.83	5.61	1.12	0.00	0.00	13.89	38.48	15.03	5.98	7.37	1.47	0.00	0.00	19.53	49.38
4330	21.60	10.47	9.03	1.81	0.00	0.00	24.95	67.86	27.00	10.74	11.87	2.37	0.00	0.00	35.08	87.06
4335	26.97	13.98	12.15	2.67	0.00	0.00	32.87	88.64	32.36	14.24	15.97	3.51	0.00	0.00	43.82	109.90
4345	10.97	4.81	4.08	1.55	0.00	0.00	11.87	33.28	14.62	4.99	5.36	2.04	0.00	0.00	18.09	45.10
4350	19.39	9.40	6.54	1.31	0.00	0.00	22.40	59.04	24.24	9.64	8.60	1.72	0.00	0.00	31.50	75.70
4355	21.90	10.62	8.10	1.62	0.00	0.00	25.30	67.54	27.38	10.89	10.64	2.13	0.00	0.00	35.58	86.62
4365	11.08	4.86	3.36	1.28	0.00	0.00	11.99	32.57	14.77	5.04	4.42	1.68	0.00	0.00	18.27	44.18
4370	14.68	6.44	4.45	1.69	0.00	0.00	15.89	43.15	19.58	6.68	5.85	2.22	0.00	0.00	24.22	58.55
4375	15.08	7.31	6.54	1.31	0.00	0.00	17.42	47.66	18.85	7.49	8.60	1.72	0.00	0.00	24.49	61.15

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	
4380	21.95	10.64	7.48	1.50	0.00	0.00	25.35	66.92	27.44	10.91	9.83	1.97	0.00	0.00	35.65	85.80
4385	27.33	13.26	9.56	1.91	0.00	0.00	31.57	83.63	34.17	13.59	12.57	2.51	0.00	0.00	44.40	107.24
4390	31.21	16.18	10.34	2.28	0.00	0.00	38.04	98.05	37.45	16.48	13.59	2.99	0.00	0.00	50.72	121.23
4395	38.79	20.11	13.08	2.88	0.00	0.00	47.27	122.13	46.55	20.49	17.19	3.78	0.00	0.00	63.03	151.04
4400	43.22	22.41	14.45	3.18	0.00	0.00	52.67	135.93	51.86	22.83	19.00	4.18	0.00	0.00	70.23	168.10
4405	53.89	32.16	20.68	4.96	0.00	0.00	80.27	191.96	62.87	32.59	27.18	6.52	0.00	0.00	102.16	231.32
4410	62.89	37.53	25.92	6.22	0.00	0.00	93.69	226.25	73.37	38.04	34.06	8.17	0.00	0.00	119.24	272.88
4425	13.82	6.06	4.73	1.80	0.00	0.00	14.96	41.37	18.43	6.29	6.22	2.36	0.00	0.00	22.80	56.10
4430	19.10	9.26	7.10	1.42	0.00	0.00	22.07	58.95	23.88	9.50	9.33	1.87	0.00	0.00	31.03	75.61
4435	23.69	11.49	9.47	1.89	0.00	0.00	27.36	73.90	29.61	11.78	12.45	2.49	0.00	0.00	38.48	94.81
4445	9.27	6.01	7.05	2.60	0.56	0.08	6.29	31.86	10.69	6.08	9.23	3.40	0.71	0.11	7.99	38.21
4450	12.08	7.80	6.81	2.45	0.59	0.09	8.20	38.02	13.94	7.90	8.75	3.15	0.73	0.11	10.41	44.99
4455	13.69	10.51	11.28	2.93	0.94	0.14	11.16	50.65	15.40	10.59	14.53	3.78	1.17	0.18	13.60	59.25
4465	1.54	0.74	0.00	0.11	0.00	0.00	1.72	4.11	1.93	0.76	0.00	0.11	0.00	0.00	2.42	5.22
4470	2.03	0.97	0.00	0.13	0.00	0.00	2.27	5.40	2.54	1.00	0.00	0.13	0.00	0.00	3.19	6.86
4475	3.01	1.44	0.00	0.17	0.00	0.00	3.36	7.98	3.76	1.48	0.00	0.17	0.00	0.00	4.72	10.13
4480	1.54	0.74	0.00	0.24	0.00	0.00	1.72	4.24	1.92	0.76	0.00	0.24	0.00	0.00	2.42	5.34
4490	1.26	0.57	0.67	0.16	0.06	0.01	2.90	5.63								
4500	0.98	0.45	0.27	0.06	0.06	0.01	2.28	4.11								
4505	1.31	0.59	0.53	0.13	0.06	0.01	3.03	5.66								
4510	1.55	0.69	0.67	0.16	0.06	0.01	3.58	6.72								
4520	2.11	1.21	0.95	0.27	0.79	0.12	2.96	8.41	2.64	1.24	1.25	0.35	1.24	0.19	4.11	11.02
4530	0.42	0.23	0.00	0.00	0.00	0.00	0.58	1.23	0.53	0.23	0.00	0.00	0.00	0.00	0.81	1.57
4535	0.51	0.27	0.00	0.00	0.00	0.00	0.71	1.49	0.64	0.28	0.00	0.00	0.00	0.00	0.98	1.90
4540	0.10	0.05	0.00	0.00	0.00	0.00	0.13	0.28	0.12	0.05	0.00	0.00	0.00	0.00	0.19	0.36
4545	0.49	0.26	0.00	0.00	0.00	0.00	0.68	1.43	0.61	0.27	0.00	0.00	0.00	0.00	0.94	1.82
4550	0.40	0.22	0.00	0.00	0.00	0.00	0.55	1.17	0.50	0.22	0.00	0.00	0.00	0.00	0.77	1.49
4555	0.50	0.26	0.00	0.00	0.00	0.00	0.68	1.44	0.62	0.27	0.00	0.00	0.00	0.00	0.94	1.83
4560	0.72	0.38	0.00	0.00	0.00	0.00	0.98	2.08	0.89	0.39	0.00	0.00	0.00	0.00	1.37	2.65
4565	0.07	0.04	0.00	0.00	0.00	0.00	0.09	0.20	0.09	0.04	0.00	0.00	0.00	0.00	0.13	0.26
4570	2.28	1.31	1.42	0.40	0.97	0.14	3.20	9.72	2.85	1.34	1.87	0.52	1.52	0.23	4.44	12.77
4580	0.50	0.27	0.00	0.00	0.00	0.00	0.69	1.46	0.62	0.27	0.00	0.00	0.00	0.00	0.95	1.84
4585	0.55	0.29	0.00	0.00	0.00	0.00	0.75	1.59	0.68	0.30	0.00	0.00	0.00	0.00	1.04	2.02
4590	0.10	0.05	0.00	0.00	0.00	0.00	0.13	0.28	0.12	0.05	0.00	0.00	0.00	0.00	0.19	0.36
4595	0.49	0.26	0.00	0.00	0.00	0.00	0.68	1.43	0.61	0.27	0.00	0.00	0.00	0.00	0.94	1.82
4600	0.46	0.25	0.00	0.00	0.00	0.00	0.63	1.34	0.58	0.25	0.00	0.00	0.00	0.00	0.88	1.71
4605	0.64	0.34	0.00	0.00	0.00	0.00	0.88	1.86	0.80	0.35	0.00	0.00	0.00	0.00	1.23	2.38
4610	0.80	0.43	0.00	0.00	0.00	0.00	1.10	2.33	1.00	0.44	0.00	0.00	0.00	0.00	1.53	2.97
4615	0.07	0.04	0.00	0.00	0.00	0.00	0.09	0.20	0.09	0.04	0.00	0.00	0.00	0.00	0.13	0.26
4620	2.59	1.51	1.89	0.53	1.28	0.19	3.65	11.64	3.24	1.55	2.49	0.70	2.02	0.30	5.07	15.37
4630	0.53	0.28	0.00	0.00	0.00	0.00	0.73	1.54	0.66	0.29	0.00	0.00	0.00	0.00	1.01	1.96
4635	0.58	0.31	0.00	0.00	0.00	0.00	0.80	1.69	0.73	0.32	0.00	0.00	0.00	0.00	1.12	2.17
4640	0.10	0.05	0.00	0.00	0.00	0.00	0.13	0.28	0.12	0.05	0.00	0.00	0.00	0.00	0.19	0.36
4645	0.49	0.26	0.00	0.00	0.00	0.00	0.68	1.43	0.61	0.27	0.00	0.00	0.00	0.00	0.94	1.82
4650	0.54	0.29	0.00	0.00	0.00	0.00	0.74	1.57	0.67	0.29	0.00	0.00	0.00	0.00	1.02	1.98
4655	0.77	0.41	0.00	0.00	0.00	0.00	1.06	2.24	0.96	0.42	0.00	0.00	0.00	0.00	1.47	2.85
4660	0.99	0.53	0.00	0.00	0.00	0.00	1.36	2.88	1.23	0.54	0.00	0.00	0.00	0.00	1.88	3.65
4665	0.07	0.04	0.00	0.00	0.00	0.00	0.09	0.20	0.09	0.04	0.00	0.00	0.00	0.00	0.13	0.26
4670	3.31	1.94	2.84	0.80	1.78	0.27	4.67	15.61	4.14	1.99	3.74	1.05	2.82	0.42	6.49	20.65
4680	0.62	0.33	0.00	0.00	0.00	0.00	0.85	1.80	0.77	0.34	0.00	0.00	0.00	0.00	1.18	2.29
4685	0.79	0.42	0.00	0.00	0.00	0.00	1.09	2.30	0.99	0.43	0.00	0.00	0.00	0.00	1.51	2.93
4690	0.10	0.05	0.00	0.00	0.00	0.00	0.13	0.28	0.12	0.05	0.00	0.00	0.00	0.00	0.19	0.36
4695	0.49	0.26	0.00	0.00	0.00	0.00	0.68	1.43	0.61	0.27	0.00	0.00	0.00	0.00	0.94	1.82
4700	0.69	0.37	0.00	0.00	0.00	0.00	0.95	2.01	0.87	0.38	0.00	0.00	0.00	0.00	1.32	2.57
4705	0.89	0.48	0.00	0.00	0.00	0.00	1.23	2.60	1.12	0.49	0.00	0.00	0.00	0.00	1.70	3.31

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
4710	1.37	0.73	0.00	0.00	0.00	0.00	1.88	3.98	1.71	0.75	0.00	0.00	0.00	0.00	2.61	5.07
4715	0.07	0.04	0.00	0.00	0.00	0.00	0.09	0.20	0.09	0.04	0.00	0.00	0.00	0.00	0.13	0.26
4720	5.96	3.40	4.33	1.21	2.08	0.31	8.34	25.63	7.45	3.47	5.70	1.59	3.27	0.49	11.58	33.55
4730	0.88	0.47	0.00	0.00	0.00	0.00	1.21	2.56	1.10	0.48	0.00	0.00	0.00	0.00	1.68	3.26
4735	0.10	0.05	0.00	0.00	0.00	0.00	0.13	0.28	0.12	0.05	0.00	0.00	0.00	0.00	0.19	0.36
4740	0.52	0.28	0.00	0.00	0.00	0.00	0.72	1.52	0.65	0.28	0.00	0.00	0.00	0.00	1.00	1.93
4745	0.82	0.44	0.00	0.00	0.00	0.00	1.13	2.39	1.03	0.45	0.00	0.00	0.00	0.00	1.57	3.05
4750	1.21	0.65	0.00	0.00	0.00	0.00	1.66	3.52	1.51	0.66	0.00	0.00	0.00	0.00	2.31	4.48
4755	1.69	0.90	0.00	0.00	0.00	0.00	2.32	4.91	2.11	0.92	0.00	0.00	0.00	0.00	3.22	6.25
4760	0.07	0.04	0.00	0.00	0.00	0.00	0.09	0.20	0.09	0.04	0.00	0.00	0.00	0.00	0.13	0.26
4765	10.10	5.89	4.23	1.18	5.13	0.77	14.21	41.51	12.62	6.02	5.56	1.56	8.13	1.22	19.74	54.85
4770	11.31	6.54	6.26	1.75	5.23	0.78	15.88	47.75	14.14	6.69	8.23	2.31	8.30	1.24	22.06	62.97
4775	11.41	6.76	6.26	1.75	7.23	1.09	16.12	50.62	14.26	6.91	8.23	2.31	11.55	1.73	22.40	67.39
4780	13.08	7.76	9.81	2.75	8.55	1.28	18.50	61.73	16.36	7.94	12.90	3.61	13.69	2.05	25.70	82.25
4785	12.66	7.26	6.26	1.75	5.13	0.77	17.73	51.56	15.83	7.42	8.23	2.31	8.13	1.22	24.63	67.77
4790	13.41	7.67	6.26	1.75	5.23	0.78	18.77	53.87	16.77	7.84	8.23	2.31	8.30	1.24	26.08	70.77
4795	15.03	8.69	9.81	2.75	7.23	1.09	21.10	65.70	18.78	8.89	12.90	3.61	11.55	1.73	29.30	86.76
4800	16.53	9.60	9.81	2.75	8.55	1.28	23.23	71.75	20.66	9.82	12.90	3.61	13.69	2.05	32.27	95.00
4810	1.07	0.57	0.00	0.00	0.00	0.00	1.46	3.10	1.33	0.58	0.00	0.00	0.00	0.00	2.03	3.94
4815	1.41	0.75	0.00	0.00	0.00	0.00	1.93	4.09	1.76	0.77	0.00	0.00	0.00	0.00	2.69	5.22
4820	1.61	0.86	0.00	0.00	0.00	0.00	2.21	4.68	2.01	0.88	0.00	0.00	0.00	0.00	3.07	5.96
4825	1.61	0.86	0.00	0.00	0.00	0.00	2.21	4.68	2.01	0.88	0.00	0.00	0.00	0.00	3.07	5.96
4835	3.27	1.57	1.42	0.54	0.00	0.00	5.71	12.51	4.09	1.61	1.87	0.71	0.00	0.00	7.43	15.71
4840	4.10	1.97	1.93	0.73	0.00	0.00	7.15	15.88	5.12	2.02	2.55	0.97	0.00	0.00	9.30	19.96
4845	5.52	2.65	2.85	1.08	0.00	0.00	9.64	21.74	6.91	2.72	3.75	1.42	0.00	0.00	12.54	27.34
4850	7.47	3.58	3.83	1.46	0.00	0.00	13.03	29.37	9.33	3.67	5.05	1.92	0.00	0.00	16.94	36.91
4855	8.80	4.22	5.11	1.94	0.00	0.00	15.35	35.42	10.99	4.33	6.73	2.56	0.00	0.00	19.96	44.57
4865	3.70	1.78	2.37	0.90	0.00	0.00	6.46	15.21	4.63	1.82	3.12	1.19	0.00	0.00	8.40	19.16
4870	6.55	3.14	2.92	1.11	0.00	0.00	11.42	25.14	8.18	3.22	3.84	1.46	0.00	0.00	14.85	31.55
4875	8.12	3.90	4.01	1.53	0.00	0.00	14.18	31.74	10.16	4.00	5.29	2.01	0.00	0.00	18.43	39.89
4880	10.70	5.14	5.47	2.08	0.00	0.00	18.67	42.06	13.37	5.27	7.21	2.74	0.00	0.00	24.28	52.87
4885	15.91	7.63	7.66	2.91	0.00	0.00	27.76	61.87	19.88	7.83	10.09	3.84	0.00	0.00	36.09	77.73
4895	3.48	1.67	2.30	0.87	0.00	0.00	6.08	14.40	4.35	1.71	3.03	1.15	0.00	0.00	7.90	18.14
4900	4.12	1.98	2.85	1.08	0.00	0.00	7.19	17.22	5.15	2.03	3.75	1.42	0.00	0.00	9.34	21.69
4905	4.97	2.38	3.17	1.21	0.00	0.00	8.67	20.40	6.21	2.45	4.18	1.59	0.00	0.00	11.27	25.70
4910	6.34	3.04	4.45	1.69	0.00	0.00	11.06	26.58	7.92	3.12	5.86	2.23	0.00	0.00	14.38	33.51
4915	8.33	4.00	5.47	2.08	0.00	0.00	14.54	34.42	10.41	4.10	7.21	2.74	0.00	0.00	18.90	43.36
4920	11.84	5.68	8.14	3.09	0.00	0.00	20.67	49.42	14.80	5.83	10.72	4.07	0.00	0.00	26.86	62.28
4930	4.25	2.04	2.37	0.90	0.00	0.00	7.42	16.98	5.31	2.09	3.12	1.19	0.00	0.00	9.65	21.36
4935	5.09	2.45	2.85	1.08	0.00	0.00	8.89	20.36	6.37	2.51	3.75	1.42	0.00	0.00	11.56	25.61
4940	8.06	3.87	4.74	1.80	0.00	0.00	14.06	32.53	10.07	3.97	6.25	2.37	0.00	0.00	18.28	40.94
4945	11.68	5.60	6.93	2.63	0.00	0.00	20.38	47.22	14.59	5.75	9.13	3.47	0.00	0.00	26.49	59.43
4955	3.16	1.51	1.53	0.58	0.00	0.00	5.51	12.29	3.94	1.55	2.02	0.77	0.00	0.00	7.16	15.44
4960	4.19	2.01	2.44	0.93	0.00	0.00	7.30	16.87	5.23	2.06	3.22	1.22	0.00	0.00	9.50	21.23
4965	5.15	2.47	2.85	1.08	0.00	0.00	8.99	20.54	6.44	2.54	3.75	1.42	0.00	0.00	11.69	25.84
4975	3.72	1.79	2.41	0.92	0.00	0.00	6.49	15.33	4.65	1.83	3.17	1.21	0.00	0.00	8.44	19.30
4980	5.14	2.47	3.28	1.25	0.00	0.00	8.97	21.11	6.42	2.53	4.33	1.64	0.00	0.00	11.66	26.58
4985	6.60	3.17	4.01	1.53	0.00	0.00	11.52	26.83	8.25	3.25	5.29	2.01	0.00	0.00	14.97	33.77
4990	8.05	3.87	4.93	1.87	0.00	0.00	14.06	32.78	10.07	3.96	6.49	2.47	0.00	0.00	18.28	41.27
4995	11.57	5.56	7.30	2.77	0.00	0.00	20.20	47.40	14.47	5.70	9.61	3.65	0.00	0.00	26.26	59.69
5000	23.05	11.06	12.77	4.85	0.00	0.00	40.23	91.96	28.81	11.34	16.82	6.39	0.00	0.00	52.30	115.66
5010	0.60	0.34	1.30	0.42	0.09	0.01	0.66	3.42	0.75	0.34	1.69	0.54	0.17	0.03	0.88	4.40
5015	0.71	0.39	0.44	0.18	0.09	0.01	0.77	2.59	0.88	0.40	0.58	0.24	0.17	0.03	1.03	3.33
5020	0.87	0.48	1.87	0.60	0.08	0.01	0.95	4.86	1.09	0.49	2.43	0.78	0.15	0.02	1.28	6.24
5025	0.98	0.53	0.74	0.31	0.08	0.01	1.06	3.71	1.22	0.55	0.98	0.41	0.15	0.02	1.43	4.76

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
5030	1.15	0.63	0.95	0.40	0.09	0.01	1.25	4.48	1.44	0.64	1.25	0.52	0.18	0.03	1.68	5.74	
5035	1.07	0.59	2.60	0.83	0.09	0.01	1.17	6.36	1.34	0.60	3.38	1.08	0.18	0.03	1.56	8.17	
5040	1.24	0.68	2.76	0.88	0.09	0.01	1.35	7.01	1.54	0.69	3.60	1.15	0.18	0.03	1.80	8.99	
5045	1.33	0.72	1.22	0.51	0.09	0.01	1.44	5.32	1.66	0.74	1.60	0.67	0.18	0.03	1.93	6.81	
5050	1.67	0.93	1.83	0.77	0.27	0.04	1.83	7.34	2.09	0.95	2.40	1.01	0.51	0.08	2.45	9.49	
5055	2.96	1.72	2.64	1.11	0.97	0.14	3.28	12.82	3.70	1.75	3.47	1.46	1.84	0.28	4.39	16.89	
5065	3.39	1.86	1.86	0.78	0.31	0.05	3.70	11.95	4.24	1.90	2.45	1.03	0.60	0.09	4.95	15.26	
5070	4.41	2.45	2.81	1.18	0.65	0.10	4.83	16.43	5.52	2.51	3.69	1.55	1.24	0.19	6.47	21.17	
5075	5.74	3.17	3.48	1.46	0.68	0.10	6.27	20.90	7.18	3.24	4.58	1.93	1.30	0.19	8.40	26.82	
5080	5.95	3.33	3.72	1.56	1.00	0.15	6.52	22.23	7.44	3.40	4.89	2.06	1.90	0.28	8.74	28.71	
5085	7.37	4.09	4.46	1.87	1.00	0.15	8.06	27.00	9.21	4.18	5.87	2.47	1.90	0.28	10.80	34.71	
5090	10.21	5.58	6.26	2.63	0.75	0.11	11.12	36.66	12.76	5.70	8.23	3.46	1.42	0.21	14.90	46.68	
5100	3.80	2.14	2.20	0.92	0.73	0.11	4.18	14.08	4.75	2.19	2.89	1.21	1.40	0.21	5.59	18.24	
5105	4.95	2.75	2.71	1.14	0.74	0.11	5.42	17.82	6.19	2.82	3.56	1.50	1.42	0.21	7.26	22.96	
5110	5.62	3.15	3.38	1.42	1.00	0.15	6.16	20.88	7.02	3.22	4.45	1.87	1.90	0.28	8.25	26.99	
5115	9.18	5.03	5.24	2.20	0.75	0.11	10.01	32.52	11.48	5.14	6.90	2.90	1.42	0.21	13.41	41.46	
5120	12.12	6.86	6.76	2.84	2.65	0.40	13.33	44.96	15.15	7.01	8.90	3.74	5.06	0.76	17.85	58.47	
5125	15.36	8.48	9.13	2.74	4.81	0.72	14.73	55.97	18.43	8.64	12.01	3.60	9.19	1.38	18.94	72.19	
5130	21.39	12.22	12.68	3.80	7.52	1.13	20.63	79.37	25.67	12.45	16.69	5.01	14.35	2.15	26.53	102.85	
5135	42.65	24.88	23.34	7.00	18.38	2.76	41.28	160.29	51.18	25.35	30.70	9.21	35.09	5.26	53.08	209.87	
5145	4.30	2.41	2.77	1.16	0.73	0.11	4.71	16.19	5.38	2.46	3.65	1.53	1.40	0.21	6.31	20.94	
5150	5.06	2.82	3.62	1.52	0.74	0.11	5.54	19.41	6.33	2.88	4.76	2.00	1.42	0.21	7.42	25.02	
5155	5.86	3.28	4.09	1.72	1.00	0.15	6.43	22.53	7.33	3.35	5.38	2.26	1.90	0.28	8.61	29.11	
5160	8.39	4.76	5.21	2.19	1.91	0.29	9.23	31.98	10.49	4.87	6.85	2.88	3.65	0.55	12.37	41.66	
5165	11.27	6.45	7.10	2.98	3.05	0.46	12.43	43.74	14.09	6.60	9.34	3.92	5.82	0.87	16.65	57.29	
5170	14.57	8.07	9.23	2.77	4.81	0.72	13.98	54.15	17.49	8.23	12.15	3.64	9.19	1.38	17.98	70.06	
5175	20.52	11.52	12.18	3.65	5.82	0.87	19.73	74.29	24.62	11.73	16.02	4.81	11.11	1.67	25.37	95.33	
5180	37.78	21.76	20.70	6.21	14.36	2.15	36.49	139.45	45.34	22.16	27.23	8.17	27.42	4.11	46.92	181.35	
5190	3.94	2.20	2.71	1.14	0.68	0.10	4.32	15.09	4.92	2.25	3.56	1.50	1.30	0.19	5.78	19.50	
5195	5.05	2.80	3.45	1.45	0.68	0.10	5.52	19.05	6.31	2.86	4.54	1.91	1.30	0.19	7.40	24.51	
5200	5.49	3.08	4.06	1.70	1.00	0.15	6.03	21.51	6.87	3.15	5.34	2.24	1.90	0.28	8.07	27.85	
5205	7.57	4.33	5.24	2.20	2.01	0.30	8.35	30.00	9.46	4.43	6.90	2.90	3.83	0.57	11.18	39.27	
5210	11.95	6.82	7.27	3.05	3.05	0.46	13.17	45.77	14.94	6.97	9.57	4.02	5.82	0.87	17.64	59.83	
5215	16.62	9.50	11.33	3.40	5.82	0.87	16.03	63.57	19.95	9.67	14.91	4.47	11.11	1.67	20.61	82.39	
5225	1.77	1.01	1.62	0.68	0.42	0.06	1.95	7.51	2.21	1.03	2.14	0.90	0.79	0.12	2.62	9.81	
5230	2.19	1.24	1.86	0.78	0.43	0.06	2.41	8.97	2.74	1.26	2.45	1.03	0.81	0.12	3.22	11.63	
5235	4.55	2.54	2.98	1.25	0.73	0.11	4.99	17.15	5.69	2.60	3.92	1.64	1.40	0.21	6.68	22.14	
5240	5.46	3.06	3.62	1.52	1.00	0.15	5.99	20.80	6.83	3.13	4.76	2.00	1.90	0.28	8.03	26.93	
5245	7.91	4.34	4.60	1.93	0.75	0.11	8.63	28.27	9.89	4.44	6.05	2.54	1.42	0.21	11.56	36.11	
5255	3.48	2.07	2.71	1.14	1.50	0.22	3.88	15.00	4.35	2.11	3.56	1.50	2.86	0.43	5.20	20.01	
5260	4.51	2.55	3.38	1.42	1.00	0.15	4.96	17.97	5.63	2.61	4.45	1.87	1.90	0.28	6.64	23.38	
5265	5.37	3.02	4.06	1.70	1.05	0.16	5.89	21.25	6.71	3.09	5.34	2.24	2.01	0.30	7.89	27.58	
5270	8.04	4.41	5.24	2.20	0.75	0.11	8.77	29.52	10.05	4.51	6.90	2.90	1.42	0.21	11.74	37.73	
5275	10.71	6.14	6.39	2.68	2.90	0.44	11.82	41.08	13.39	6.27	8.41	3.53	5.55	0.83	15.83	53.81	
5280	14.84	8.60	7.07	2.97	4.81	0.72	16.43	55.44	18.55	8.80	9.30	3.91	9.19	1.38	22.00	73.13	
5285	20.65	11.59	14.04	4.21	5.82	0.87	19.86	77.04	24.78	11.80	18.47	5.54	11.11	1.67	25.53	98.90	
5290	39.73	22.32	19.95	5.99	11.41	1.71	38.21	139.32	47.67	22.74	26.25	7.88	21.78	3.27	49.12	178.71	
5300	1.70	0.95	1.45	0.61	0.25	0.04	1.87	6.87	2.13	0.97	1.91	0.80	0.47	0.07	2.50	8.85	
5305	4.57	2.55	2.87	1.21	0.73	0.11	5.01	17.05	5.72	2.61	3.78	1.59	1.40	0.21	6.71	22.02	
5310	5.61	3.09	3.55	1.49	0.59	0.09	6.12	20.54	7.01	3.16	4.67	1.96	1.13	0.17	8.20	26.30	
5315	7.88	4.43	4.90	2.06	1.50	0.22	8.65	29.64	9.85	4.53	6.45	2.71	2.86	0.43	11.59	38.42	
5320	13.43	7.48	8.79	2.64	4.81	0.72	12.90	50.77	16.12	7.62	11.57	3.47	9.19	1.38	16.59	65.94	
5330	4.58	2.59	3.52	1.48	1.00	0.15	5.04	18.36	5.73	2.65	4.63	1.94	1.90	0.28	6.75	23.88	
5335	6.63	3.66	5.34	2.24	0.75	0.11	7.24	25.97	8.28	3.74	7.03	2.95	1.42	0.21	9.69	33.32	
5340	8.31	4.80	6.32	2.66	2.53	0.38	9.19	34.19	10.39	4.90	8.32	3.50	4.82	0.72	12.31	44.96	

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5345	11.82	6.67	10.32	3.09	5.02	0.75	11.37	49.04	14.18	6.79	13.57	4.07	9.58	1.44	14.62	64.25
5355	4.72	2.67	3.48	1.46	1.00	0.15	5.19	18.67	5.90	2.73	4.58	1.93	1.90	0.28	6.95	24.27
5360	5.45	3.05	3.82	1.61	1.00	0.15	5.97	21.05	6.81	3.12	5.03	2.11	1.90	0.28	8.00	27.25
5365	7.82	4.30	4.87	2.05	0.75	0.11	8.53	28.43	9.78	4.39	6.41	2.69	1.42	0.21	11.43	36.33
5370	10.20	5.82	7.10	2.98	2.59	0.39	11.24	40.32	12.75	5.95	9.34	3.92	4.95	0.74	15.06	52.71
5375	14.55	8.07	10.38	3.11	4.81	0.72	13.97	55.61	17.46	8.22	13.66	4.10	9.19	1.38	17.96	71.97
5380	20.97	11.75	13.12	3.94	5.82	0.87	20.16	76.63	25.16	11.97	17.27	5.18	11.11	1.67	25.92	98.28
5390	4.93	2.74	2.87	1.21	0.74	0.11	5.40	18.00	6.16	2.81	3.78	1.59	1.42	0.21	7.23	23.20
5395	5.62	3.15	9.50	3.04	1.00	0.15	6.16	28.62	7.02	3.22	12.38	3.96	1.90	0.28	8.25	37.01
5400	8.13	4.46	5.04	2.12	0.75	0.11	8.86	29.47	10.16	4.56	6.63	2.78	1.42	0.21	11.87	37.63
5405	9.68	5.53	6.16	2.59	2.53	0.38	10.67	37.54	12.10	5.65	8.10	3.40	4.82	0.72	14.29	49.08
5410	10.53	6.06	6.87	2.88	3.05	0.46	11.63	41.48	13.16	6.19	9.03	3.79	5.82	0.87	15.58	54.44
5415	14.48	8.14	9.64	2.89	5.90	0.88	13.93	55.86	17.37	8.30	12.68	3.80	11.26	1.69	17.91	73.01
5420	18.98	10.72	13.53	4.06	5.82	0.87	18.27	72.25	22.77	10.92	17.80	5.34	11.11	1.67	23.49	93.10
5430	2.97	1.63	1.59	0.51	0.21	0.03	3.70	10.64	3.71	1.66	2.09	0.67	0.30	0.04	4.91	13.38
5435	3.47	1.90	1.86	0.60	0.21	0.03	4.32	12.39	4.34	1.94	2.45	0.78	0.30	0.04	5.74	15.59
5440	5.33	2.93	2.71	0.87	0.38	0.06	6.65	18.93	6.67	2.99	3.56	1.14	0.53	0.08	8.83	23.80
5445	6.33	3.46	3.75	1.20	0.37	0.05	7.88	23.04	7.91	3.54	4.94	1.58	0.51	0.08	10.47	29.03
5455	3.43	1.94	2.10	0.67	0.59	0.09	4.30	13.12	4.28	1.98	2.76	0.88	0.83	0.13	5.72	16.58
5460	5.04	2.80	2.71	0.87	0.55	0.08	6.30	18.35	6.30	2.86	3.56	1.14	0.77	0.12	8.37	23.12
5465	5.62	3.09	3.38	1.08	0.42	0.06	7.01	20.66	7.02	3.16	4.45	1.42	0.59	0.09	9.31	26.04
5475	4.46	2.14	1.42	0.54	0.00	0.00	7.79	16.35	5.58	2.20	1.87	0.71	0.00	0.00	10.12	20.48
5480	5.31	2.55	1.93	0.73	0.00	0.00	9.27	19.79	6.64	2.61	2.55	0.97	0.00	0.00	12.05	24.82
5490	4.73	2.27	2.37	0.90	0.00	0.00	8.25	18.52	5.91	2.33	3.12	1.19	0.00	0.00	10.73	23.28
5500	0.58	0.22	0.00	0.49	0.00	0.00	0.86	2.15								
5505	1.20	0.45	0.00	1.02	0.00	0.00	1.78	4.45								
5510	2.33	0.87	0.00	1.93	0.00	0.00	3.44	8.57								
5515	0.61	0.23	0.00	0.25	0.00	0.00	0.90	1.99								
5520	0.95	0.36	0.00	0.35	0.00	0.00	1.41	3.07								
5530	1.66	0.62	0.00	0.25	0.00	0.00	2.46	4.99								
5535	2.51	0.94	0.00	0.33	0.00	0.00	3.71	7.49								
5545	2.14	0.80	0.00	0.27	0.00	0.00	3.16	6.37								
5550	2.80	1.05	0.00	0.48	0.00	0.00	4.14	8.47								
5555	3.33	1.25	0.00	0.77	0.00	0.00	4.92	10.27								
5565	4.20	1.57	0.00	0.06	0.00	0.00	6.21	12.04								
5570	4.70	1.76	0.00	0.06	0.00	0.00	6.94	13.46								
5575	7.72	2.89	0.00	0.06	0.00	0.00	11.41	22.08								
5580	8.21	3.07	0.00	0.06	0.00	0.00	12.14	23.48								
5590	4.31	1.61	0.00	0.42	0.00	0.00	6.37	12.71								
5595	4.94	1.85	0.00	0.48	0.00	0.00	7.31	14.58								
5600	5.72	2.14	0.00	0.58	0.00	0.00	8.45	16.89								
5605	6.27	2.35	0.00	0.72	0.00	0.00	9.26	18.60								
5610	7.06	2.64	0.00	0.62	0.00	0.00	10.43	20.75								
5615	8.38	3.14	0.00	0.92	0.00	0.00	12.39	24.83								
5620	9.86	3.69	0.00	0.92	0.00	0.00	14.56	29.03								
5625	13.19	4.94	0.00	1.12	0.00	0.00	19.50	38.75								
5630	19.35	7.24	0.00	1.23	0.00	0.00	28.59	56.41								
5640	3.38	1.27	0.00	0.48	0.00	0.00	4.99	10.12								
5645	3.86	1.44	0.00	0.63	0.00	0.00	5.70	11.63								
5650	5.13	1.92	0.00	0.63	0.00	0.00	7.59	15.27								
5655	1.27	0.48	0.00	0.25	0.00	0.00	1.88	3.88								
5660	1.62	0.61	0.00	0.33	0.00	0.00	2.39	4.95								
5665	2.04	0.76	0.00	0.42	0.00	0.00	3.01	6.23								
5675	5.51	2.06	0.00	0.65	0.00	0.00	8.14	16.36								
5680	6.29	2.35	0.00	0.77	0.00	0.00	9.29	18.70								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5685	6.77	2.53	0.00	0.92	0.00	0.00	10.00	20.22								
5690	8.30	3.11	0.00	1.07	0.00	0.00	12.26	24.74								
5695	10.24	3.83	0.00	1.12	0.00	0.00	15.13	30.32								
5700	14.73	5.52	0.00	1.33	0.00	0.00	21.77	43.35								
5710	7.35	2.75	2.00	0.64	0.00	0.00	10.86	23.60								
5715	13.82	5.17	5.28	1.69	0.00	0.00	20.42	46.38								
5720	20.21	7.57	9.98	3.19	0.00	0.00	29.87	70.82								
5725	21.76	8.15	18.60	5.95	0.00	0.00	32.15	86.61								
5730	27.51	10.30	21.98	7.03	0.00	0.00	40.65	107.47								
5740	6.34	4.89	1.96	0.78	0.00	0.00	8.23	22.20	7.61	4.95	2.52	1.01	0.00	0.00	11.19	27.28
5745	10.18	7.85	3.74	1.50	0.00	0.00	13.20	36.47	12.22	7.95	4.81	1.92	0.00	0.00	17.95	44.85
5750	11.61	8.95	3.74	1.50	0.00	0.00	15.05	40.85	13.93	9.06	4.81	1.92	0.00	0.00	20.47	50.19
5755	14.59	11.25	5.61	2.24	0.00	0.00	18.92	52.61	17.51	11.39	7.21	2.88	0.00	0.00	25.73	64.72
5760	20.38	15.71	7.66	3.07	0.00	0.00	26.42	73.24	24.45	15.91	9.85	3.94	0.00	0.00	35.93	90.08
5770	1.25	0.49	0.00	0.15	0.00	0.00	1.60	3.49								
5775	0.46	0.18	0.00	0.10	0.00	0.00	0.59	1.33								
5780	1.84	0.73	0.00	0.31	0.00	0.00	2.37	5.25								
5785	0.80	0.32	0.00	0.05	0.00	0.00	1.02	2.19								
5795	0.50	0.27	1.12	0.36	0.00	0.00	0.62	2.87								
5800	0.64	0.34	1.68	0.54	0.00	0.00	0.78	3.98								
5810	0.04	0.02	0.22	0.07	0.00	0.00	0.04	0.39								
5815	0.05	0.02	0.34	0.11	0.00	0.00	0.06	0.58								
5820	0.08	0.04	0.90	0.29	0.00	0.00	0.10	1.41								
5830	0.67	0.36	4.81	1.54	0.00	0.00	0.82	8.20								
5835	0.39	0.21	1.42	0.54	0.00	0.00	0.47	3.03								
5840	0.89	0.47	8.84	2.83	0.00	0.00	1.08	14.11								
5845	1.28	0.68	2.83	1.08	0.00	0.00	1.56	7.43								
5850	1.64	0.88	3.30	1.25	0.00	0.00	2.00	9.07								
5855	1.74	0.93	3.21	1.22	0.00	0.00	2.13	9.23								
5865	0.07	0.04	0.56	0.18	0.00	0.00	0.09	0.94								
5870	0.10	0.05	0.90	0.29	0.00	0.00	0.12	1.46								
5875	0.20	0.11	1.79	0.57	0.00	0.00	0.25	2.92								
5885	0.09	0.05	0.34	0.11	0.00	0.00	0.11	0.70								
5890	0.10	0.05	0.34	0.11	0.00	0.00	0.12	0.72								
5900	0.12	0.07	0.18	0.08	0.00	0.00	0.08	0.53								
5905	0.18	0.09	0.44	0.20	0.00	0.00	0.11	1.02								
5910	0.63	0.33	2.20	0.99	0.00	0.00	0.38	4.53								
5915	0.81	0.43	5.29	2.38	0.00	0.00	0.50	9.41								
5925	0.10	0.05	0.18	0.08	0.00	0.00	0.06	0.47								
5930	0.12	0.07	0.35	0.16	0.00	0.00	0.08	0.78								
5940	2.58	1.01	0.00	0.10	0.00	0.00	2.88	6.57	3.44	1.06	0.00	0.10	0.00	0.00	4.32	8.92
5945	0.20	0.08	0.00	0.00	0.00	0.00	0.23	0.51	0.27	0.08	0.00	0.00	0.00	0.00	0.34	0.69
5950	1.91	0.75	0.00	0.08	0.00	0.00	2.14	4.88	2.55	0.78	0.00	0.08	0.00	0.00	3.20	6.61
5955	0.09	0.04	0.00	0.00	0.00	0.00	0.10	0.23	0.12	0.04	0.00	0.00	0.00	0.00	0.15	0.31
5960	2.22	0.87	0.00	0.10	0.00	0.00	2.48	5.67	2.96	0.91	0.00	0.10	0.00	0.00	3.72	7.69
5965	0.20	0.08	0.00	0.00	0.00	0.00	0.22	0.50	0.27	0.08	0.00	0.00	0.00	0.00	0.34	0.69
5970	1.59	0.63	0.00	0.08	0.00	0.00	1.78	4.08	2.12	0.65	0.00	0.08	0.00	0.00	2.67	5.52
5975	0.13	0.05	0.00	0.00	0.00	0.00	0.14	0.32	0.17	0.05	0.00	0.00	0.00	0.00	0.21	0.43
5980	0.93	0.36	0.00	0.08	0.00	0.00	1.03	2.40	1.23	0.38	0.00	0.08	0.00	0.00	1.55	3.24
5985	0.05	0.02	0.00	0.00	0.00	0.00	0.06	0.13	0.07	0.02	0.00	0.00	0.00	0.00	0.08	0.17
5990	2.48	0.98	0.00	0.08	0.00	0.00	2.77	6.31	3.30	1.02	0.00	0.08	0.00	0.00	4.15	8.55
5995	0.20	0.08	0.00	0.00	0.00	0.00	0.22	0.50	0.27	0.08	0.00	0.00	0.00	0.00	0.34	0.69
6000	2.20	0.87	0.00	0.08	0.00	0.00	2.46	5.61	2.93	0.90	0.00	0.08	0.00	0.00	3.68	7.59
6005	0.27	0.11	0.00	0.00	0.00	0.00	0.30	0.68	0.36	0.11	0.00	0.00	0.00	0.00	0.45	0.92
6010	0.77	0.37	0.00	0.08	0.00	0.00	0.86	2.08	0.96	0.38	0.00	0.08	0.00	0.00	1.21	2.63

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	
6020	5.08	2.00	0.00	0.22	0.00	0.00	5.68	12.98	6.78	2.08	0.00	0.22	0.00	0.00	8.52	17.60
6025	0.37	0.15	0.00	0.00	0.00	0.00	0.41	0.93	0.49	0.15	0.00	0.00	0.00	0.00	0.62	1.26
6030	5.39	2.12	0.00	0.21	0.00	0.00	6.02	13.74	7.19	2.21	0.00	0.21	0.00	0.00	9.03	18.64
6035	4.29	1.69	0.00	0.16	0.00	0.00	4.79	10.93	5.72	1.76	0.00	0.16	0.00	0.00	7.19	14.83
6040	0.33	0.13	0.00	0.00	0.00	0.00	0.37	0.83	0.44	0.14	0.00	0.00	0.00	0.00	0.56	1.14
6045	4.00	1.57	0.00	0.16	0.00	0.00	4.46	10.19	5.33	1.64	0.00	0.16	0.00	0.00	6.70	13.83
6050	2.88	1.14	0.00	0.10	0.00	0.00	3.22	7.34	3.84	1.18	0.00	0.10	0.00	0.00	4.83	9.95
6055	0.19	0.07	0.00	0.00	0.00	0.00	0.21	0.47	0.25	0.08	0.00	0.00	0.00	0.00	0.31	0.64
6060	2.81	1.11	0.00	0.10	0.00	0.00	3.14	7.16	3.74	1.15	0.00	0.10	0.00	0.00	4.71	9.70
6065	1.61	0.64	0.00	0.08	0.00	0.00	1.80	4.13	2.15	0.66	0.00	0.08	0.00	0.00	2.70	5.59
6070	0.10	0.04	0.00	0.00	0.00	0.00	0.11	0.25	0.13	0.04	0.00	0.00	0.00	0.00	0.16	0.33
6075	1.01	0.40	0.00	0.08	0.00	0.00	1.13	2.62	1.34	0.41	0.00	0.08	0.00	0.00	1.69	3.52
6080	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.06	0.02	0.00	0.00	0.00	0.00	0.08	0.16
6085	0.62	0.25	0.00	0.08	0.00	0.00	0.70	1.65	0.83	0.26	0.00	0.08	0.00	0.00	1.04	2.21
6090	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.09
6095	0.27	0.11	0.00	0.08	0.00	0.00	0.31	0.77	0.37	0.11	0.00	0.08	0.00	0.00	0.46	1.02
6100	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.03	0.06
6110	5.66	2.23	0.00	0.28	0.00	0.00	6.32	14.49	7.55	2.32	0.00	0.28	0.00	0.00	9.48	19.63
6115	4.41	1.74	0.00	0.20	0.00	0.00	4.93	11.28	5.88	1.81	0.00	0.20	0.00	0.00	7.39	15.28
6120	3.27	1.29	0.00	0.10	0.00	0.00	3.66	8.32	4.36	1.34	0.00	0.10	0.00	0.00	5.48	11.28
6125	1.96	0.77	0.00	0.09	0.00	0.00	2.19	5.01	2.61	0.80	0.00	0.09	0.00	0.00	3.28	6.78
6135	2.96	1.50	2.87	0.69	0.26	0.04	3.54	11.86								
6140	3.30	1.66	2.87	0.69	0.26	0.04	3.94	12.76								
6145	3.80	1.92	2.87	0.69	0.32	0.05	4.54	14.19								
6150	6.05	3.09	4.23	1.01	0.67	0.10	7.24	22.39								
6160	2.57	1.31	2.57	0.62	0.26	0.04	3.07	10.44								
6165	2.78	1.41	2.57	0.62	0.26	0.04	3.32	11.00								
6170	2.85	1.44	2.64	0.63	0.26	0.04	3.40	11.26								
6175	2.72	1.39	8.69	2.08	0.32	0.05	3.25	18.50								
6180	3.03	1.55	2.57	0.62	0.32	0.05	3.63	11.77								
6185	2.82	1.45	8.69	2.08	0.37	0.06	3.38	18.85								
6190	3.14	1.61	2.57	0.62	0.37	0.06	3.76	12.13								
6195	6.88	3.52	3.96	0.95	0.79	0.12	8.24	24.46								
6205	2.80	1.42	2.30	0.55	0.26	0.04	3.35	10.72								
6210	3.52	1.77	2.30	0.55	0.23	0.03	4.20	12.60								
6215	7.17	3.64	4.40	1.06	0.70	0.10	8.57	25.64								
6220	8.20	4.39	4.40	1.06	1.98	0.30	9.92	30.25								
6230	3.68	2.44	0.00	0.19	1.88	0.28	4.70	13.17								
6235	5.14	2.87	0.00	0.21	1.47	0.22	6.28	16.19								
6245	4.78	2.95	0.00	0.35	1.79	0.27	5.98	16.12								
6250	5.12	3.31	0.00	0.40	2.37	0.36	6.49	18.05								
6255	7.52	4.49	0.00	0.60	2.37	0.36	9.34	24.68								
6265	0.60	0.37	0.00	0.05	0.30	0.05	0.75	2.12								
6275	1.07	0.52	0.00	0.13	0.00	0.00	1.27	2.99								
6280	1.37	0.67	0.00	0.13	0.00	0.00	1.62	3.79								
6285	1.42	0.69	0.00	0.13	0.00	0.00	1.68	3.92								
6290	2.12	1.04	0.00	0.13	0.00	0.00	2.51	5.80								
6295	3.24	1.58	0.00	0.13	0.00	0.00	3.84	8.79								
6300	4.81	2.35	0.00	0.13	0.00	0.00	5.70	12.99								
6305	3.19	1.56	0.00	0.14	0.00	0.00	3.78	8.67								
6310	3.71	1.81	0.00	0.13	0.00	0.00	4.40	10.05								
6315	5.66	2.77	0.00	0.13	0.00	0.00	6.71	15.27								
6325	0.48	0.23	0.00	0.14	0.00	0.00	0.56	1.41								
6330	0.96	0.47	0.00	0.14	0.00	0.00	1.14	2.71								
6340	12.11	5.92	7.10	1.70	0.00	0.00	14.36	41.19								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE
6345	18.18	8.89	10.48	2.52	0.00	0.00	21.56	61.63							
6350	19.23	9.40	10.48	2.52	0.00	0.00	22.80	64.43							
6360	19.74	9.65	11.16	2.68	0.00	0.00	23.41	66.64							
6370	2.07	1.01	1.76	0.42	0.00	0.00	2.45	7.71							
6375	2.47	1.21	1.76	0.42	0.00	0.00	2.93	8.79							
6380	3.77	1.84	2.87	0.69	0.00	0.00	4.47	13.64							
6385	3.96	1.94	2.87	0.69	0.00	0.00	4.70	14.16							
6390	4.13	2.02	2.87	0.69	0.00	0.00	4.90	14.61							
6395	4.33	2.12	2.87	0.69	0.00	0.00	5.13	15.14							
6405	4.15	2.03	8.69	2.08	0.00	0.00	4.92	21.87							
6410	4.45	2.17	2.87	0.69	0.00	0.00	5.27	15.45							
6415	4.41	2.16	8.69	2.08	0.00	0.00	5.23	22.57							
6420	4.71	2.30	2.87	0.69	0.00	0.00	5.58	16.15							
6425	2.03	0.99	4.38	1.05	0.00	0.00	2.41	10.86							
6430	2.77	1.35	8.69	2.08	0.00	0.00	3.28	18.17							
6435	3.06	1.50	2.87	0.69	0.00	0.00	3.63	11.75							
6440	3.36	1.64	8.69	2.08	0.00	0.00	3.99	19.76							
6445	3.66	1.79	2.87	0.69	0.00	0.00	4.34	13.35							
6450	3.64	1.78	8.69	2.08	0.00	0.00	4.32	20.51							
6455	3.94	1.92	2.87	0.69	0.00	0.00	4.67	14.09							
6465	1.27	0.51	2.01	0.64	0.00	0.00	1.88	6.31							
6470	1.54	0.62	2.01	0.64	0.00	0.00	2.29	7.10							
6475	3.73	1.50	2.03	0.65	0.00	0.00	5.53	13.44							
6480	3.63	1.45	2.03	0.65	0.00	0.00	5.38	13.14							
6485	5.10	2.04	4.48	1.43	0.00	0.00	7.55	20.60							
6490	5.37	2.15	4.48	1.43	0.00	0.00	7.96	21.39							
6500	3.55	1.42	2.31	0.74	0.00	0.00	5.26	13.28							
6505	3.86	1.55	2.31	0.74	0.00	0.00	5.72	14.18							
6510	6.24	2.50	3.63	1.16	0.00	0.00	9.25	22.78							
6515	6.79	2.72	3.63	1.16	0.00	0.00	10.06	24.36							
6525	3.06	1.23	1.84	0.59	0.00	0.00	4.54	11.26							
6530	3.62	1.45	1.84	0.59	0.00	0.00	5.37	12.87							
6540	1.83	0.73	1.42	0.45	0.00	0.00	2.71	7.14							
6545	1.66	0.67	1.42	0.45	0.00	0.00	2.46	6.66							
6555	7.69	3.08	3.54	1.13	0.00	0.00	11.40	26.84							
6560	5.87	2.35	2.36	0.75	0.00	0.00	8.70	20.03							
6575	5.81	2.36	3.44	1.10	0.15	0.02	8.63	21.51							
6580	6.48	2.71	4.01	1.28	0.62	0.09	9.69	24.88							
6585	7.49	3.03	4.01	1.28	0.14	0.02	11.12	27.09							
6590	8.57	3.53	5.90	1.89	0.55	0.08	12.77	33.29							
6595	7.88	3.24	5.90	1.89	0.48	0.07	11.74	31.20							
6600	8.35	3.43	5.90	1.89	0.48	0.07	12.44	32.56							
6605	9.52	3.90	5.90	1.89	0.48	0.07	14.18	35.94							
6610	8.76	3.60	5.90	1.89	0.48	0.07	13.05	33.75							
6615	9.49	3.89	5.90	1.89	0.48	0.07	14.14	35.86							
6625	8.31	3.33	5.90	1.89	0.00	0.00	12.31	31.74							
6630	6.64	2.75	4.01	1.28	0.48	0.07	9.91	25.14							
6635	7.06	2.91	5.66	1.81	0.48	0.07	10.53	28.52							
6640	8.06	3.32	5.66	1.81	0.48	0.07	12.02	31.42							
6650	8.58	3.52	5.42	1.74	0.48	0.07	12.78	32.59							
6655	12.64	5.20	9.58	3.06	0.75	0.11	18.84	50.18							
6665	5.56	2.24	3.30	1.06	0.08	0.01	8.24	20.49							
6670	5.54	2.25	3.30	1.06	0.16	0.02	8.23	20.56							
6675	7.40	2.99	3.77	1.21	0.13	0.02	10.98	26.50							
6680	6.21	2.52	3.77	1.21	0.16	0.02	9.22	23.11							

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		
6685	5.87	2.46	3.30	1.06	0.62	0.09	8.78	22.18								
6690	8.25	3.38	4.15	1.33	0.40	0.06	12.28	29.85								
6695	9.13	3.73	5.61	1.80	0.42	0.06	13.59	34.34								
6700	7.65	3.15	5.90	1.89	0.48	0.07	11.40	30.54								
6705	10.70	4.39	5.61	1.80	0.55	0.08	15.94	39.07								
6710	9.28	3.82	5.61	1.80	0.55	0.08	13.82	34.96								
6715	8.29	3.45	5.90	1.89	0.70	0.11	12.39	32.73								
6725	5.73	2.41	3.21	1.03	0.62	0.09	8.58	21.67								
6730	5.20	2.11	3.21	1.03	0.15	0.02	7.72	19.44								
6735	6.32	2.56	3.77	1.21	0.15	0.02	9.38	23.41								
6740	6.75	2.82	3.54	1.13	0.62	0.09	10.09	25.04								
6745	6.95	2.81	3.77	1.21	0.15	0.02	10.33	25.24								
6750	8.98	3.68	5.19	1.66	0.48	0.07	13.38	33.44								
6755	7.45	3.07	5.05	1.62	0.48	0.07	11.11	28.85								
6760	8.07	3.32	5.05	1.62	0.48	0.07	12.02	30.63								
6765	10.32	4.22	5.19	1.66	0.48	0.07	15.35	37.29								
6775	1.08	0.43	0.75	0.24	0.00	0.00	1.61	4.11								
6780	2.85	1.14	1.60	0.51	0.00	0.00	4.23	10.33								
6785	6.74	2.70	3.35	1.07	0.00	0.00	9.99	23.85								
6790	9.06	3.63	5.90	1.89	0.00	0.00	13.43	33.91								
6795	10.94	4.38	7.31	2.34	0.00	0.00	16.21	41.18								
6800	13.20	5.29	8.54	2.73	0.00	0.00	19.56	49.32								
6805	15.02	6.02	8.54	2.73	0.00	0.00	22.26	54.57								
6815	1.09	0.44	0.75	0.24	0.00	0.00	1.62	4.14								
6820	2.42	0.97	1.65	0.53	0.00	0.00	3.59	9.16								
6825	6.51	2.61	3.30	1.06	0.00	0.00	9.64	23.12								
6830	8.67	3.48	5.42	1.74	0.00	0.00	12.85	32.16								
6835	10.99	4.41	5.61	1.80	0.00	0.00	16.29	39.10								
6845	1.07	0.43	1.57	0.50	0.00	0.00	1.58	5.15								
6850	5.52	2.21	2.45	0.78	0.00	0.00	8.17	19.13								
6855	8.66	3.47	3.77	1.21	0.00	0.00	12.83	29.94								
6860	10.74	4.30	7.36	2.35	0.00	0.00	15.91	40.66								
6865	18.96	7.60	12.36	3.95	0.00	0.00	28.10	70.97								
6875	9.50	4.94	5.21	2.08	2.72	0.41	10.40	35.26	11.88	5.07	6.81	2.72	4.52	0.68	13.87	45.55
6880	15.97	7.67	8.68	2.78	5.66	0.85	14.20	55.81	19.96	7.88	11.35	3.63	9.40	1.41	19.12	72.75
6885	19.68	9.47	10.28	3.29	7.14	1.07	16.16	67.09	24.60	9.73	13.51	4.32	11.86	1.78	21.89	87.69
6890	22.04	10.50	11.45	3.67	7.14	1.07	19.57	75.44	27.55	10.79	14.98	4.79	11.86	1.78	26.35	98.10
6895	23.41	11.03	14.82	3.85	8.61	1.29	20.76	83.77	29.27	11.34	19.22	5.00	14.95	2.24	27.94	109.96
6900	24.96	11.71	14.82	3.85	8.61	1.29	22.11	87.35	31.20	12.04	19.22	5.00	14.95	2.24	29.77	114.42
6905	30.46	14.49	14.02	4.49	9.65	1.45	24.97	99.53	38.08	14.89	18.42	5.90	16.04	2.41	33.81	129.55
6910	35.04	16.51	15.62	5.00	9.65	1.45	31.06	114.33	43.80	16.96	20.43	6.54	16.04	2.41	41.82	148.00
6915	37.94	17.78	23.05	5.99	12.81	1.92	33.60	133.09	47.43	18.27	29.90	7.78	22.24	3.34	45.24	174.20
6920	39.68	18.55	23.05	5.99	12.81	1.92	35.13	137.13	49.60	19.06	29.90	7.78	22.24	3.34	47.29	179.21
6925	43.27	20.43	23.05	5.99	16.36	2.45	38.37	149.92	54.08	20.99	29.90	7.78	28.42	4.26	51.65	197.08
6930	38.96	18.62	17.13	5.48	13.10	1.96	31.96	127.21	48.70	19.14	22.52	7.21	21.75	3.26	43.28	165.86
6935	48.79	22.94	31.28	8.13	17.37	2.61	43.24	174.36	60.98	23.58	40.58	10.55	30.17	4.53	58.20	228.59
6950	14.01	6.63	7.95	2.54	4.18	0.63	12.43	48.37	17.51	6.82	10.39	3.33	6.95	1.04	16.73	62.77
6955	18.79	8.95	10.12	3.24	6.02	0.90	15.40	63.42	23.48	9.19	13.31	4.26	10.01	1.50	20.85	82.60
6960	20.51	10.04	11.28	3.61	8.95	1.34	18.30	74.03	25.64	10.32	14.75	4.72	14.86	2.23	24.64	97.16
6965	22.41	10.59	16.33	4.25	8.61	1.29	19.88	83.36	28.01	10.89	21.19	5.51	14.95	2.24	26.76	109.55
6970	27.15	12.63	16.33	4.25	8.06	1.21	24.02	93.65	33.94	12.98	21.19	5.51	14.00	2.10	32.34	122.06
6980	9.48	4.89	4.34	1.74	2.37	0.35	10.36	33.53	11.85	5.01	5.67	2.27	3.93	0.59	13.81	43.13
6985	19.66	9.38	10.15	3.25	6.49	0.97	16.12	66.02	24.57	9.64	13.35	4.27	10.78	1.62	21.83	86.06
6990	23.35	11.00	16.83	4.38	8.61	1.29	20.70	86.16	29.18	11.31	21.83	5.68	14.95	2.24	27.86	113.05
6995	22.17	10.49	11.32	3.62	6.49	0.97	19.67	74.73	27.72	10.78	14.80	4.74	10.78	1.62	26.48	96.92

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	
7005	10.07	5.17	6.07	2.43	2.37	0.35	10.99	37.45	12.58	5.30	7.94	3.18	3.93	0.59	14.66	48.18
7010	14.34	6.78	8.68	2.78	4.18	0.63	12.72	50.11	17.92	6.97	11.35	3.63	6.95	1.04	17.12	64.98
7020	20.73	9.85	10.76	3.44	6.49	0.97	18.40	70.64	25.91	10.13	14.07	4.50	10.78	1.62	24.78	91.79
7025	32.72	15.66	14.80	4.73	11.12	1.67	26.85	107.55	40.90	16.09	19.45	6.22	18.48	2.77	36.35	140.26
7030	21.45	10.08	9.48	2.47	7.51	1.13	19.01	71.13	26.81	10.35	12.30	3.20	13.04	1.96	25.59	93.25
7035	36.30	17.03	20.38	5.30	12.44	1.87	32.16	125.48	45.38	17.50	26.44	6.88	21.61	3.24	43.29	164.34
7040	42.70	20.04	23.61	6.14	14.76	2.21	37.83	147.29	53.38	20.60	30.63	7.96	25.63	3.84	50.93	192.97
7055	4.96	2.83	0.00	0.13	1.49	0.22	4.76	14.39	5.95	2.88	0.00	0.13	1.94	0.29	6.12	17.31
7060	6.29	3.73	0.00	0.13	2.67	0.40	6.07	19.29	7.55	3.80	0.00	0.13	3.49	0.52	7.81	23.30
7070	2.46	1.45	0.00	0.08	0.97	0.15	2.37	7.48	2.95	1.48	0.00	0.08	1.27	0.19	3.05	9.02
7080	7.51	3.72	5.28	1.48	0.77	0.12	8.14	27.02	9.39	3.81	6.90	1.93	1.32	0.20	11.53	35.08
7085	11.69	5.83	10.55	2.95	1.58	0.24	12.68	45.52	14.61	5.97	13.80	3.86	2.69	0.40	17.96	59.29
7095	10.77	5.28	11.04	3.09	0.43	0.07	11.64	42.32	13.47	5.41	14.43	4.04	0.71	0.11	16.49	54.66
7105	3.03	1.60	2.37	0.85	0.00	0.00	4.97	12.82	3.78	1.64	3.12	1.12	0.00	0.00	6.77	16.43
7110	0.65	0.31	0.00	0.08	0.00	0.00	0.73	1.77	0.81	0.32	0.00	0.08	0.00	0.00	1.02	2.23
7115	4.22	2.23	2.92	1.05	0.00	0.00	6.93	17.35	5.28	2.28	3.84	1.38	0.00	0.00	9.45	22.23
7120	0.86	0.41	0.00	0.08	0.00	0.00	0.96	2.31	1.08	0.42	0.00	0.08	0.00	0.00	1.35	2.93
7125	0.66	0.32	0.00	0.08	0.00	0.00	0.73	1.79	0.82	0.32	0.00	0.08	0.00	0.00	1.03	2.25
7130	6.21	3.29	3.83	1.38	0.00	0.00	10.19	24.90	7.76	3.36	5.05	1.82	0.00	0.00	13.90	31.89
7135	1.08	0.52	0.00	0.08	0.00	0.00	1.20	2.88	1.35	0.53	0.00	0.08	0.00	0.00	1.69	3.65
7140	0.85	0.41	0.00	0.08	0.00	0.00	0.95	2.29	1.06	0.42	0.00	0.08	0.00	0.00	1.34	2.90
7145	8.40	4.44	5.11	1.84	0.00	0.00	13.78	33.57	10.49	4.54	6.73	2.42	0.00	0.00	18.79	42.97
7150	1.10	0.53	0.00	0.08	0.00	0.00	1.23	2.94	1.38	0.54	0.00	0.08	0.00	0.00	1.73	3.73
7155	1.24	0.60	0.00	0.08	0.00	0.00	1.39	3.31	1.55	0.61	0.00	0.08	0.00	0.00	1.95	4.19
7160	12.18	6.45	7.30	2.63	0.00	0.00	19.99	48.55	15.23	6.59	9.61	3.46	0.00	0.00	27.26	62.15
7165	1.71	0.82	0.00	0.08	0.00	0.00	1.91	4.52	2.14	0.84	0.00	0.08	0.00	0.00	2.68	5.74
7170	1.87	0.90	0.00	0.08	0.00	0.00	2.09	4.94	2.34	0.92	0.00	0.08	0.00	0.00	2.94	6.28
7175	1.49	0.72	0.00	0.08	0.00	0.00	1.67	3.96	1.86	0.73	0.00	0.08	0.00	0.00	2.34	5.01
7180	21.61	9.44	12.22	3.42	0.00	0.00	25.52	72.21	27.01	9.70	16.10	4.51	0.00	0.00	35.45	92.77
7185	2.50	1.20	0.00	0.12	0.00	0.00	2.79	6.61	3.12	1.23	0.00	0.12	0.00	0.00	3.93	8.40
7190	2.76	1.32	0.00	0.13	0.00	0.00	3.08	7.29	3.44	1.36	0.00	0.13	0.00	0.00	4.33	9.26
7195	2.52	1.21	0.00	0.13	0.00	0.00	2.81	6.67	3.14	1.24	0.00	0.13	0.00	0.00	3.95	8.46
7200	0.07	0.04	0.00	0.05	0.00	0.00	0.08	0.24	0.09	0.04	0.00	0.05	0.00	0.00	0.12	0.30
7205	24.08	12.39	16.79	4.03	0.00	0.00	28.44	85.73	28.89	12.62	22.11	5.31	0.00	0.00	37.92	106.85
7210	3.47	1.66	0.00	0.18	0.00	0.00	3.87	9.18	4.33	1.71	0.00	0.18	0.00	0.00	5.45	11.67
7215	3.66	1.76	0.00	0.19	0.00	0.00	4.09	9.70	4.58	1.80	0.00	0.19	0.00	0.00	5.76	12.33
7220	3.05	1.47	0.00	0.16	0.00	0.00	3.41	8.09	3.82	1.50	0.00	0.16	0.00	0.00	4.80	10.28
7225	0.90	0.43	0.00	0.12	0.00	0.00	1.00	2.45	1.12	0.44	0.00	0.12	0.00	0.00	1.41	3.09
7230	0.10	0.05	0.00	0.08	0.00	0.00	0.11	0.34	0.13	0.05	0.00	0.08	0.00	0.00	0.16	0.42
7235	40.33	20.75	25.54	6.13	0.00	0.00	47.64	140.39	48.40	21.14	33.64	8.07	0.00	0.00	63.51	174.76
7240	5.25	2.52	0.00	0.28	0.00	0.00	5.87	13.92	6.57	2.58	0.00	0.28	0.00	0.00	8.25	17.68
7245	5.76	2.76	0.00	0.29	0.00	0.00	6.43	15.24	7.20	2.83	0.00	0.29	0.00	0.00	9.05	19.37
7250	0.11	0.05	0.00	0.08	0.00	0.00	0.13	0.37	0.14	0.06	0.00	0.08	0.00	0.00	0.18	0.46
7255	3.90	1.87	0.00	0.20	0.00	0.00	4.35	10.32	4.87	1.92	0.00	0.20	0.00	0.00	6.12	13.11
7265	3.43	1.82	2.30	0.83	0.00	0.00	5.63	14.01	4.29	1.86	3.03	1.09	0.00	0.00	7.68	17.95
7270	4.05	2.15	2.85	1.02	0.00	0.00	6.65	16.72	5.07	2.19	3.75	1.35	0.00	0.00	9.07	21.43
7275	4.56	2.41	3.21	1.16	0.00	0.00	7.48	18.82	5.69	2.47	4.23	1.52	0.00	0.00	10.19	24.10
7280	0.75	0.36	0.00	0.08	0.00	0.00	0.84	2.03	0.94	0.37	0.00	0.08	0.00	0.00	1.18	2.57
7285	0.75	0.36	0.00	0.05	0.00	0.00	0.84	2.00	0.94	0.37	0.00	0.05	0.00	0.00	1.18	2.54
7290	6.30	3.33	4.45	1.60	0.00	0.00	10.33	26.01	7.87	3.41	5.86	2.11	0.00	0.00	14.09	33.34
7295	0.84	0.40	0.00	0.08	0.00	0.00	0.94	2.26	1.05	0.41	0.00	0.08	0.00	0.00	1.32	2.86
7300	1.02	0.49	0.00	0.05	0.00	0.00	1.14	2.70	1.28	0.50	0.00	0.05	0.00	0.00	1.61	3.44
7305	8.14	4.31	5.47	1.97	0.00	0.00	13.36	33.25	10.18	4.41	7.21	2.60	0.00	0.00	18.22	42.62
7310	1.28	0.62	0.00	0.08	0.00	0.00	1.43	3.41	1.61	0.63	0.00	0.08	0.00	0.00	2.02	4.34
7315	1.28	0.62	0.00	0.05	0.00	0.00	1.43	3.38	1.60	0.63	0.00	0.05	0.00	0.00	2.01	4.29

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	
7320	12.29	6.50	8.14	2.93	0.00	0.00	20.16	50.02	15.36	6.65	10.72	3.86	0.00	0.00	27.49	64.08
7325	1.38	0.66	0.00	0.08	0.00	0.00	1.54	3.66	1.72	0.68	0.00	0.08	0.00	0.00	2.16	4.64
7330	1.44	0.69	0.00	0.08	0.00	0.00	1.61	3.82	1.80	0.71	0.00	0.08	0.00	0.00	2.27	4.86
7335	1.95	0.94	0.00	0.05	0.00	0.00	2.18	5.12	2.44	0.96	0.00	0.05	0.00	0.00	3.06	6.51
7340	21.41	9.35	10.95	3.07	0.00	0.00	25.29	70.07	26.77	9.61	14.42	4.04	0.00	0.00	35.12	89.96
7345	2.73	1.31	0.00	0.12	0.00	0.00	3.05	7.21	3.41	1.34	0.00	0.12	0.00	0.00	4.28	9.15
7350	2.76	1.32	0.00	0.10	0.00	0.00	3.08	7.26	3.45	1.36	0.00	0.10	0.00	0.00	4.33	9.24
7355	25.74	13.24	16.60	3.98	0.00	0.00	30.40	89.95	30.89	13.49	21.87	5.25	0.00	0.00	40.53	112.03
7360	4.15	1.99	0.00	0.22	0.00	0.00	4.63	10.99	5.18	2.04	0.00	0.22	0.00	0.00	6.51	13.95
7365	4.25	2.04	0.00	0.25	0.00	0.00	4.75	11.29	5.31	2.09	0.00	0.25	0.00	0.00	6.68	14.33
7370	2.64	1.26	0.00	0.12	0.00	0.00	2.94	6.96	3.29	1.30	0.00	0.12	0.00	0.00	4.14	8.85
7375	34.54	17.77	19.16	4.60	0.00	0.00	40.80	116.87	41.45	18.11	25.23	6.06	0.00	0.00	54.40	145.25
7380	4.76	2.29	0.00	0.26	0.00	0.00	5.32	12.63	5.95	2.34	0.00	0.26	0.00	0.00	7.48	16.03
7385	5.45	2.61	0.00	0.25	0.00	0.00	6.08	14.39	6.81	2.68	0.00	0.25	0.00	0.00	8.55	18.29
7390	3.03	1.46	0.00	0.12	0.00	0.00	3.39	8.00	3.79	1.49	0.00	0.12	0.00	0.00	4.77	10.17
7400	3.78	2.00	2.37	0.85	0.00	0.00	6.21	15.21	4.73	2.05	3.12	1.12	0.00	0.00	8.47	19.49
7405	4.74	2.51	2.85	1.02	0.00	0.00	7.78	18.90	5.93	2.57	3.75	1.35	0.00	0.00	10.62	24.22
7410	6.93	3.67	4.01	1.45	0.00	0.00	11.38	27.44	8.67	3.75	5.29	1.90	0.00	0.00	15.51	35.12
7415	8.98	4.75	5.11	1.84	0.00	0.00	14.74	35.42	11.23	4.86	6.73	2.42	0.00	0.00	20.10	45.34
7420	1.05	0.50	0.00	0.05	0.00	0.00	1.17	2.77	1.31	0.52	0.00	0.05	0.00	0.00	1.65	3.53
7425	1.18	0.57	0.00	0.05	0.00	0.00	1.32	3.12	1.48	0.58	0.00	0.05	0.00	0.00	1.86	3.97
7430	13.82	7.31	7.66	2.76	0.00	0.00	22.68	54.23	17.28	7.48	10.09	3.63	0.00	0.00	30.93	69.41
7435	1.85	0.89	0.00	0.05	0.00	0.00	2.06	4.85	2.31	0.91	0.00	0.05	0.00	0.00	2.90	6.17
7440	1.27	0.61	0.00	0.05	0.00	0.00	1.41	3.34	1.58	0.62	0.00	0.05	0.00	0.00	1.99	4.24
7445	20.19	8.82	11.31	3.17	0.00	0.00	23.85	67.34	25.24	9.07	14.90	4.17	0.00	0.00	33.13	86.51
7450	2.30	1.10	0.00	0.10	0.00	0.00	2.57	6.07	2.87	1.13	0.00	0.10	0.00	0.00	3.61	7.71
7455	1.91	0.92	0.00	0.12	0.00	0.00	2.13	5.08	2.39	0.94	0.00	0.12	0.00	0.00	3.00	6.45
7460	0.79	0.38	0.00	0.08	0.00	0.00	0.88	2.13	0.99	0.39	0.00	0.08	0.00	0.00	1.24	2.70
7465	0.46	0.22	0.00	0.13	0.00	0.00	0.52	1.33	0.58	0.23	0.00	0.13	0.00	0.00	0.73	1.67
7470	0.08	0.04	0.00	0.08	0.00	0.00	0.09	0.29	0.10	0.04	0.00	0.08	0.00	0.00	0.12	0.34
7480	2.63	1.39	1.53	0.55	0.00	0.00	4.31	10.41	3.29	1.42	2.02	0.73	0.00	0.00	5.88	13.34
7485	3.71	1.96	2.37	0.85	0.00	0.00	6.09	14.98	4.64	2.01	3.12	1.12	0.00	0.00	8.31	19.20
7490	4.44	2.35	2.63	0.95	0.00	0.00	7.29	17.66	5.55	2.40	3.46	1.25	0.00	0.00	9.94	22.60
7495	8.22	4.35	4.01	1.45	0.00	0.00	13.49	31.52	10.27	4.45	5.29	1.90	0.00	0.00	18.39	40.30
7500	10.84	5.74	5.29	1.90	0.00	0.00	17.80	41.57	13.55	5.87	6.97	2.51	0.00	0.00	24.27	53.17
7510	3.12	1.65	2.41	0.87	0.00	0.00	5.11	13.16	3.89	1.69	3.17	1.14	0.00	0.00	6.97	16.86
7515	0.54	0.26	0.00	0.05	0.00	0.00	0.60	1.45	0.67	0.26	0.00	0.05	0.00	0.00	0.85	1.83
7520	4.68	2.47	3.28	1.18	0.00	0.00	7.67	19.28	5.85	2.53	4.33	1.56	0.00	0.00	10.47	24.74
7525	0.39	0.19	0.00	0.05	0.00	0.00	0.44	1.07	0.49	0.19	0.00	0.05	0.00	0.00	0.61	1.34
7530	6.80	3.60	4.31	1.55	0.00	0.00	11.17	27.43	8.51	3.68	5.67	2.04	0.00	0.00	15.23	35.13
7535	0.65	0.31	0.00	0.05	0.00	0.00	0.73	1.74	0.82	0.32	0.00	0.05	0.00	0.00	1.03	2.22
7540	9.59	5.07	5.66	2.04	0.00	0.00	15.73	38.09	11.98	5.19	7.45	2.68	0.00	0.00	21.45	48.75
7545	0.86	0.41	0.00	0.05	0.00	0.00	0.96	2.28	1.07	0.42	0.00	0.05	0.00	0.00	1.35	2.89
7550	12.07	6.39	8.03	2.89	0.00	0.00	19.81	49.19	15.09	6.53	10.57	3.81	0.00	0.00	27.02	63.02
7555	1.34	0.64	0.00	0.08	0.00	0.00	1.50	3.56	1.68	0.66	0.00	0.08	0.00	0.00	2.11	4.53
7560	1.43	0.69	0.00	0.10	0.00	0.00	1.60	3.82	1.79	0.70	0.00	0.10	0.00	0.00	2.25	4.84
7565	19.57	8.55	11.68	3.27	0.00	0.00	23.12	66.19	24.47	8.79	15.38	4.31	0.00	0.00	32.11	85.06
7570	1.85	0.89	0.00	0.14	0.00	0.00	2.06	4.94	2.31	0.91	0.00	0.14	0.00	0.00	2.90	6.26
7575	1.95	0.93	0.00	0.14	0.00	0.00	2.17	5.19	2.43	0.96	0.00	0.14	0.00	0.00	3.06	6.59
7580	26.31	11.49	14.96	4.19	0.00	0.00	31.07	88.02	32.88	11.81	19.70	5.52	0.00	0.00	43.15	113.06
7585	2.51	1.21	0.00	0.20	0.00	0.00	2.81	6.73	3.14	1.24	0.00	0.20	0.00	0.00	3.95	8.53
7590	2.29	1.10	0.00	0.18	0.00	0.00	2.56	6.13	2.86	1.13	0.00	0.18	0.00	0.00	3.60	7.77
7595	38.76	19.94	22.62	5.43	0.00	0.00	45.78	132.53	46.52	20.32	29.80	7.15	0.00	0.00	61.04	164.83
7600	5.89	2.83	0.00	0.24	0.00	0.00	6.58	15.54	7.36	2.90	0.00	0.24	0.00	0.00	9.25	19.75
7605	5.53	2.65	0.00	0.21	0.00	0.00	6.18	14.57	6.91	2.72	0.00	0.21	0.00	0.00	8.69	18.53

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	
7610	5.17	2.48	0.00	0.19	0.00	0.00	5.78	13.62	6.47	2.55	0.00	0.19	0.00	0.00	8.13	17.34
7620	12.30	6.51	7.48	2.69	0.00	0.00	20.18	49.16	15.37	6.66	9.85	3.55	0.00	0.00	27.52	62.95
7625	1.30	0.63	0.00	0.05	0.00	0.00	1.46	3.44	1.63	0.64	0.00	0.05	0.00	0.00	2.05	4.37
7630	1.46	0.70	0.00	0.05	0.00	0.00	1.63	3.84	1.83	0.72	0.00	0.05	0.00	0.00	2.30	4.90
7635	1.50	0.72	0.00	0.05	0.00	0.00	1.67	3.94	1.87	0.74	0.00	0.05	0.00	0.00	2.35	5.01
7640	16.28	7.11	9.49	2.66	0.00	0.00	19.23	54.77	20.35	7.31	12.50	3.50	0.00	0.00	26.71	70.37
7645	1.85	0.89	0.00	0.05	0.00	0.00	2.07	4.86	2.31	0.91	0.00	0.05	0.00	0.00	2.91	6.18
7650	2.43	1.16	0.00	0.05	0.00	0.00	2.71	6.35	3.03	1.19	0.00	0.05	0.00	0.00	3.81	8.08
7655	2.02	0.97	0.00	0.05	0.00	0.00	2.26	5.30	2.53	1.00	0.00	0.05	0.00	0.00	3.18	6.76
7660	21.73	9.49	12.77	3.58	0.00	0.00	25.67	73.24	27.17	9.76	16.82	4.71	0.00	0.00	35.65	94.11
7665	2.42	1.16	0.00	0.12	0.00	0.00	2.70	6.40	3.02	1.19	0.00	0.12	0.00	0.00	3.80	8.13
7670	2.65	1.27	0.00	0.13	0.00	0.00	2.96	7.01	3.31	1.30	0.00	0.13	0.00	0.00	4.16	8.90
7675	2.31	1.11	0.00	0.11	0.00	0.00	2.59	6.12	2.89	1.14	0.00	0.11	0.00	0.00	3.64	7.78
7680	0.10	0.05	0.00	0.05	0.00	0.00	0.11	0.31	0.12	0.05	0.00	0.05	0.00	0.00	0.15	0.37
7685	0.61	0.29	0.00	0.11	0.00	0.00	0.69	1.70	0.77	0.30	0.00	0.11	0.00	0.00	0.96	2.14
7695	12.26	6.26	7.10	1.99	2.41	0.36	10.75	41.13	15.33	6.41	9.34	2.62	5.05	0.76	14.56	54.07
7700	17.45	9.17	10.15	2.84	5.62	0.84	15.40	61.47	21.81	9.40	13.35	3.74	11.77	1.76	20.86	82.69
7705	24.51	13.16	15.22	4.26	7.18	1.08	21.74	87.15	30.64	13.49	20.02	5.61	15.04	2.26	29.44	116.50
7715	19.10	10.01	10.21	2.86	5.88	0.88	16.85	65.79	23.87	10.26	13.44	3.76	12.32	1.85	22.81	88.31
7720	31.38	16.95	19.35	5.42	9.74	1.46	27.87	112.17	39.22	17.37	25.45	7.13	20.40	3.06	37.74	150.37
7730	1.06	0.54	1.45	0.41	0.22	0.03	0.93	4.64	1.32	0.56	1.91	0.54	0.46	0.07	1.26	6.12
7735	1.20	0.61	1.69	0.47	0.22	0.03	1.05	5.27	1.49	0.63	2.22	0.62	0.46	0.07	1.42	6.91
7740	1.34	0.69	2.10	0.59	0.27	0.04	1.18	6.21	1.67	0.71	2.76	0.77	0.55	0.08	1.59	8.13
7750	0.25	0.13	0.73	0.20	0.03	0.01	0.33	1.68	0.31	0.13	0.95	0.27	0.05	0.01	0.45	2.17
7755	1.07	0.53	1.46	0.41	0.06	0.01	1.38	4.92	1.33	0.54	1.90	0.53	0.09	0.01	1.91	6.31
7760	1.49	0.73	2.27	0.64	0.06	0.01	1.92	7.12	1.86	0.75	2.96	0.83	0.09	0.01	2.66	9.16
7765	2.71	1.35	2.16	0.61	0.19	0.03	3.50	10.55	3.39	1.38	2.85	0.80	0.27	0.04	4.86	13.59
7770	5.55	2.75	3.55	0.99	0.33	0.05	7.16	20.38	6.94	2.81	4.67	1.31	0.46	0.07	9.94	26.20
7785	1.83	0.89	0.81	0.23	0.06	0.01	2.35	6.18	2.28	0.92	1.07	0.30	0.09	0.01	3.27	7.94
7790	3.57	1.76	1.49	0.42	0.19	0.03	4.60	12.06	4.46	1.81	1.96	0.55	0.27	0.04	6.39	15.48
7795	3.95	1.95	1.86	0.52	0.19	0.03	5.09	13.59	4.94	1.99	2.45	0.69	0.27	0.04	7.07	17.45
7800	6.41	3.09	3.82	1.07	0.00	0.00	8.22	22.61	8.01	3.17	5.03	1.41	0.00	0.00	11.42	29.04
7805	12.55	6.06	5.92	1.66	0.00	0.00	16.11	42.30	15.69	6.22	7.79	2.18	0.00	0.00	22.37	54.25
7815	10.37	5.01	3.38	0.95	0.00	0.00	13.31	33.02	12.96	5.14	4.45	1.25	0.00	0.00	18.48	42.28
7820	15.11	7.30	5.41	1.52	0.00	0.00	19.38	48.72	18.88	7.48	7.12	1.99	0.00	0.00	26.92	62.39
7825	19.23	9.29	5.41	1.52	0.00	0.00	24.67	60.12	24.03	9.52	7.12	1.99	0.00	0.00	34.26	76.92
7835	8.33	4.02	2.27	0.63	0.00	0.00	10.68	25.93	10.41	4.12	2.98	0.83	0.00	0.00	14.84	33.18
7840	9.07	4.38	2.27	0.63	0.00	0.00	11.63	27.98	11.33	4.49	2.98	0.83	0.00	0.00	16.16	35.79
7845	9.34	4.51	2.27	0.63	0.00	0.00	11.98	28.73	11.68	4.62	2.98	0.83	0.00	0.00	16.64	36.75
7850	17.58	8.49	5.07	1.42	0.00	0.00	22.56	55.12	21.98	8.71	6.67	1.87	0.00	0.00	31.33	70.56
7855	21.84	10.55	5.92	1.66	0.00	0.00	28.02	67.99	27.30	10.81	7.79	2.18	0.00	0.00	38.91	86.99
7870	0.91	0.33	2.90	0.81	0.12	0.02	1.02	6.11	1.09	0.34	3.86	1.08	0.15	0.02	1.40	7.94
7875	1.13	0.40	2.90	0.81	0.14	0.02	1.27	6.67	1.36	0.41	3.86	1.08	0.19	0.03	1.74	8.67
7880	0.95	0.35	2.90	0.81	0.19	0.03	1.07	6.30	1.14	0.36	3.86	1.08	0.23	0.03	1.47	8.17
7885	1.15	0.42	2.90	0.81	0.22	0.03	1.30	6.83	1.39	0.43	3.86	1.08	0.29	0.04	1.78	8.87
7890	1.06	0.40	2.90	0.81	0.30	0.04	1.20	6.71	1.27	0.41	3.86	1.08	0.38	0.06	1.64	8.70
7895	1.43	0.69	6.63	1.99	0.38	0.06	1.39	12.57	1.91	0.71	8.52	2.56	0.49	0.07	2.17	16.43
7900	2.02	0.94	3.60	0.94	0.38	0.06	1.95	9.89	2.69	0.98	4.68	1.22	0.49	0.07	3.03	13.16
7905	1.67	0.79	7.62	2.29	0.38	0.06	1.62	14.43	2.23	0.82	9.80	2.94	0.49	0.07	2.52	18.87
7910	2.29	1.07	3.60	0.94	0.38	0.06	2.21	10.55	3.06	1.11	4.68	1.22	0.49	0.07	3.44	14.07
7915	1.83	0.87	7.62	2.29	0.47	0.07	1.78	14.93	2.44	0.91	9.80	2.94	0.59	0.09	2.76	19.53
7920	2.28	1.12	3.60	0.94	0.81	0.12	2.23	11.10	3.05	1.16	4.68	1.22	1.03	0.15	3.47	14.76
7925	3.06	1.32	14.26	4.56	0.82	0.12	2.76	26.90	4.08	1.38	18.38	5.88	1.06	0.16	4.29	35.23
7930	4.22	1.81	5.83	1.63	0.98	0.15	3.80	18.42	5.63	1.88	7.58	2.12	1.27	0.19	5.91	24.58
7935	4.42	1.89	5.83	1.63	1.01	0.15	3.98	18.91	5.90	1.97	7.58	2.12	1.29	0.19	6.19	25.24

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	
7940	4.17	1.79	5.83	1.63	1.01	0.15	3.75	18.33	5.55	1.86	7.58	2.12	1.29	0.19	5.83	24.42
7945	4.90	2.08	5.83	1.63	1.01	0.15	4.40	20.00	6.53	2.17	7.58	2.12	1.29	0.19	6.84	26.72
7950	6.45	2.74	7.96	2.23	1.33	0.20	5.79	26.70	8.60	2.85	10.35	2.90	1.71	0.26	9.01	35.68
7955	6.84	2.91	7.96	2.23	1.43	0.21	6.14	27.72	9.12	3.03	10.35	2.90	1.84	0.28	9.55	37.07
7960	6.47	2.76	7.96	2.23	1.43	0.21	5.81	26.87	8.62	2.87	10.35	2.90	1.84	0.28	9.04	35.90
7965	6.41	2.71	9.52	2.67	1.20	0.18	5.74	28.43	8.54	2.82	12.38	3.47	1.55	0.23	8.93	37.92
7975	1.01	0.36	3.04	0.85	0.15	0.02	1.13	6.56	1.21	0.37	4.06	1.14	0.19	0.03	1.55	8.55
7980	1.29	0.46	2.95	0.83	0.15	0.02	1.45	7.15	1.55	0.48	3.94	1.10	0.19	0.03	1.99	9.28
7985	1.41	0.50	3.04	0.85	0.16	0.02	1.58	7.56	1.70	0.52	4.06	1.14	0.21	0.03	2.17	9.83
7990	1.32	0.47	3.04	0.85	0.16	0.02	1.48	7.34	1.59	0.49	4.06	1.14	0.20	0.03	2.03	9.54
7995	1.41	0.50	3.04	0.85	0.19	0.03	1.58	7.60	1.70	0.52	4.06	1.14	0.25	0.04	2.17	9.88
8000	1.27	0.47	2.95	0.83	0.30	0.04	1.44	7.30	1.52	0.48	3.94	1.10	0.38	0.06	1.97	9.45
8005	1.31	0.63	6.93	2.08	0.38	0.06	1.28	12.67	1.75	0.66	8.91	2.67	0.49	0.07	1.99	16.54
8010	1.43	0.69	6.93	2.08	0.38	0.06	1.39	12.96	1.91	0.71	8.91	2.67	0.49	0.07	2.17	16.93
8015	2.07	0.97	3.66	0.95	0.38	0.06	2.00	10.09	2.76	1.01	4.76	1.24	0.49	0.07	3.11	13.44
8020	1.51	0.73	7.71	2.31	0.47	0.07	1.47	14.27	2.01	0.76	9.91	2.97	0.59	0.09	2.29	18.62
8025	3.07	1.44	4.99	1.30	0.61	0.09	2.97	14.47	4.10	1.50	6.49	1.69	0.77	0.12	4.62	19.29
8030	2.86	1.27	13.24	4.24	1.07	0.16	2.59	25.43	3.81	1.32	17.06	5.46	1.38	0.21	4.04	33.28
8035	3.48	1.52	6.83	1.91	1.07	0.16	3.15	18.12	4.64	1.58	8.87	2.48	1.38	0.21	4.90	24.06
8040	4.09	1.73	7.83	2.19	0.76	0.11	3.67	20.38	5.46	1.80	10.17	2.85	0.97	0.15	5.71	27.11
8045	4.56	1.95	6.99	1.96	1.07	0.16	4.10	20.79	6.08	2.03	9.09	2.55	1.38	0.21	6.38	27.72
8050	4.24	1.98	5.11	1.33	0.76	0.11	4.09	17.62	5.65	2.05	6.64	1.73	0.95	0.14	6.36	23.52
8055	5.35	2.27	9.99	2.80	1.07	0.16	4.80	26.44	7.13	2.36	12.99	3.64	1.38	0.21	7.47	35.18
8060	5.47	2.35	10.22	2.86	1.27	0.19	4.92	27.28	7.29	2.44	13.29	3.72	1.62	0.24	7.66	36.26
8065	6.41	2.74	10.22	2.86	1.47	0.22	5.76	29.68	8.54	2.85	13.29	3.72	1.89	0.28	8.96	39.53
8075	1.55	0.72	3.44	0.89	0.28	0.04	1.49	8.41	2.06	0.75	4.47	1.16	0.35	0.05	2.32	11.16
8080	1.38	0.65	6.33	1.90	0.28	0.04	1.34	11.92	1.84	0.67	8.14	2.44	0.35	0.05	2.08	15.57
8085	2.01	0.93	3.66	0.95	0.28	0.04	1.94	9.81	2.68	0.96	4.76	1.24	0.35	0.05	3.01	13.05
8090	2.54	1.18	4.00	1.04	0.38	0.06	2.44	11.64	3.38	1.22	5.19	1.35	0.49	0.07	3.80	15.50
8095	4.21	1.81	6.99	1.96	1.07	0.16	3.79	19.99	5.62	1.89	9.09	2.55	1.38	0.21	5.90	26.64
8100	5.64	2.39	7.66	2.14	1.07	0.16	5.06	24.12	7.52	2.48	9.96	2.79	1.38	0.21	7.87	32.21
8105	5.94	2.51	9.99	2.80	1.07	0.16	5.33	27.80	7.92	2.61	12.99	3.64	1.38	0.21	8.28	37.03
8110	5.78	2.44	6.99	1.96	1.07	0.16	5.18	23.58	7.71	2.54	9.09	2.55	1.38	0.21	8.06	31.54
8115	6.06	2.55	7.66	2.14	1.07	0.16	5.43	25.07	8.07	2.65	9.96	2.79	1.38	0.21	8.44	33.50
8125	6.36	2.68	9.99	2.80	1.12	0.17	5.70	28.82	8.48	2.79	12.99	3.64	1.45	0.22	8.87	38.44
8130	6.41	2.70	9.99	2.80	1.12	0.17	5.75	28.94	8.55	2.81	12.99	3.64	1.45	0.22	8.94	38.60
8135	6.92	2.90	8.99	2.52	1.12	0.17	6.19	28.81	9.22	3.02	11.69	3.27	1.45	0.22	9.63	38.50
8145	7.02	2.97	8.16	2.28	1.42	0.21	6.30	28.36	9.36	3.09	10.61	2.97	1.86	0.28	9.79	37.96
8150	6.20	2.61	9.99	2.80	1.12	0.17	5.55	28.44	8.26	2.72	12.99	3.64	1.45	0.22	8.64	37.92
8155	5.97	2.52	9.99	2.80	1.12	0.17	5.35	27.92	7.96	2.63	12.99	3.64	1.45	0.22	8.33	37.22
8160	6.71	2.82	11.65	3.26	1.12	0.17	6.01	31.74	8.95	2.94	15.15	4.24	1.45	0.22	9.35	42.30
8170	2.63	1.04	0.00	0.10	0.00	0.00	2.63	6.40								
8175	3.16	1.25	0.00	0.10	0.00	0.00	3.15	7.66								
8180	4.90	1.94	0.00	0.10	0.00	0.00	4.89	11.83								
8185	6.04	2.39	0.00	0.10	0.00	0.00	6.04	14.57								
8190	6.71	2.66	0.00	0.10	0.00	0.00	6.70	16.17								
8200	0.64	0.25	0.00	0.09	0.00	0.00	0.63	1.61	0.85	0.26	0.00	0.09	0.00	0.00	0.97	2.17
8205	1.01	0.40	0.00	0.09	0.00	0.00	1.01	2.51	1.34	0.42	0.00	0.09	0.00	0.00	1.53	3.38
8210	1.02	0.40	0.00	0.09	0.00	0.00	1.02	2.53	1.36	0.42	0.00	0.09	0.00	0.00	1.55	3.42
8215	1.03	0.41	0.00	0.09	0.00	0.00	1.03	2.56	1.38	0.43	0.00	0.09	0.00	0.00	1.57	3.47
8225	0.21	0.08	0.00	0.00	0.00	0.00	0.21	0.50								
8230	0.21	0.08	0.00	0.00	0.00	0.00	0.21	0.50								
8235	0.23	0.09	0.00	0.00	0.00	0.00	0.23	0.55								
8240	0.28	0.11	0.00	0.00	0.00	0.00	0.28	0.67								
8245	0.30	0.12	0.00	0.00	0.00	0.00	0.30	0.72								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
8250	0.28	0.11	0.00	0.00	0.00	0.00	0.28	0.67								
8260	0.24	0.09	0.00	0.09	0.00	0.00	0.24	0.66								
8265	0.28	0.11	0.00	0.09	0.00	0.00	0.28	0.76								
8270	0.77	0.30	0.00	0.09	0.00	0.00	0.77	1.93								
8275	0.87	0.34	0.00	0.09	0.00	0.00	0.86	2.16								
8285	2.72	1.08	0.00	0.13	0.00	0.00	2.71	6.64								
8290	2.76	1.09	0.00	0.13	0.00	0.00	2.76	6.74								
8295	2.79	1.11	0.00	0.13	0.00	0.00	2.79	6.82								
8300	2.83	1.12	0.00	0.13	0.00	0.00	2.83	6.91								
8310	1.22	0.48	0.00	0.00	0.00	0.00	1.21	2.91								
8315	1.28	0.51	0.00	0.00	0.00	0.00	1.28	3.07								
8320	1.36	0.54	0.00	0.00	0.00	0.00	1.36	3.26								
8330	2.10	1.01	0.00	0.09	0.53	0.08	1.71	5.52	2.62	1.04	0.00	0.09	0.63	0.09	2.50	6.97
8335	2.53	1.20	0.00	0.09	0.53	0.08	2.05	6.48	3.16	1.23	0.00	0.09	0.63	0.09	3.00	8.20
8340	2.56	1.21	0.00	0.09	0.53	0.08	2.08	6.55	3.20	1.25	0.00	0.09	0.63	0.09	3.04	8.30
8345	3.03	1.44	0.00	0.09	0.68	0.10	2.46	7.80	3.78	1.48	0.00	0.09	0.82	0.12	3.59	9.88
8350	3.60	1.69	0.00	0.09	0.67	0.10	2.93	9.08	4.50	1.74	0.00	0.09	0.80	0.12	4.27	11.52
8355	7.21	3.55	0.00	0.09	2.28	0.34	5.91	19.38	9.02	3.65	0.00	0.09	2.74	0.41	8.61	24.52
8360	7.91	3.94	0.00	0.09	2.76	0.41	6.49	21.60	9.88	4.04	0.00	0.09	3.32	0.50	9.46	27.29
8370	2.84	1.34	0.00	0.09	0.53	0.08	2.31	7.19	3.55	1.37	0.00	0.09	0.63	0.09	3.37	9.10
8380	1.31	0.87	0.00	0.09	0.42	0.06	1.12	3.87								
8385	1.45	0.97	0.00	0.09	0.48	0.07	1.24	4.30								
8390	1.58	1.05	0.00	0.09	0.53	0.08	1.35	4.68								
8395	1.81	1.22	0.00	0.13	0.64	0.10	1.55	5.45								
8400	1.87	1.27	0.00	0.13	0.72	0.11	1.61	5.71								
8405	2.17	1.46	0.00	0.13	0.79	0.12	1.86	6.53								
8410	2.30	1.58	0.00	0.13	0.97	0.15	1.98	7.11								
8415	2.87	1.92	0.00	0.13	0.97	0.15	2.45	8.49								
8420	2.97	1.98	0.00	0.13	0.97	0.15	2.54	8.74								
8425	3.42	2.26	0.00	0.17	1.05	0.16	2.91	9.97								
8430	3.67	2.44	0.00	0.17	1.18	0.18	3.13	10.77								
8435	4.06	2.70	0.00	0.17	1.30	0.19	3.46	11.88								
8440	4.55	3.13	0.00	0.17	1.94	0.29	3.92	14.00								
8445	1.06	0.74	0.00	0.09	0.53	0.08	0.92	3.42								
8455	1.01	0.72	0.00	0.09	0.53	0.08	0.88	3.31								
8465	1.27	0.87	0.00	0.11	0.53	0.08	1.10	3.96								
8470	1.28	0.88	0.00	0.11	0.53	0.08	1.11	3.99								
8480	0.67	0.47	0.00	0.10	0.32	0.05	0.58	2.19								
8485	0.75	0.54	0.00	0.10	0.40	0.06	0.66	2.51								
8490	0.81	0.58	0.00	0.10	0.44	0.07	0.71	2.71								
8500	2.07	1.23	2.13	0.60	0.19	0.03	1.49	7.74								
8505	2.11	1.30	2.13	0.60	0.38	0.06	1.53	8.11								
8510	2.21	1.36	2.13	0.60	0.38	0.06	1.60	8.34								
8520	19.63	10.72	9.61	3.27	5.58	0.84	15.81	65.46	23.56	10.92	12.42	4.22	9.31	1.40	22.13	83.96
8525	27.21	15.06	13.88	4.72	9.61	1.44	21.96	93.88	32.65	15.34	17.93	6.10	16.03	2.40	30.74	121.19
8530	36.95	20.97	18.58	6.32	12.85	1.93	29.95	127.55	44.34	21.36	24.00	8.16	21.43	3.21	41.92	164.42
8535	17.45	9.60	9.61	3.27	5.58	0.84	14.07	60.42	20.94	9.78	12.42	4.22	9.31	1.40	19.70	77.77
8540	25.29	14.33	13.88	4.72	12.12	1.82	20.49	92.65	30.35	14.60	17.93	6.10	20.21	3.03	28.69	120.91
8550	12.83	7.08	5.02	1.71	3.49	0.52	10.34	40.99	15.39	7.21	6.48	2.20	5.61	0.84	14.48	52.21
8555	15.49	8.47	5.45	1.85	3.66	0.55	12.47	47.94	18.58	8.63	7.04	2.39	5.88	0.88	17.46	60.86
8560	15.58	8.84	5.45	1.85	6.17	0.93	12.62	51.44	18.69	9.01	7.04	2.39	9.92	1.49	17.67	66.21
8565	26.20	14.76	9.61	3.27	9.47	1.42	21.21	85.94	31.45	15.04	12.42	4.22	15.22	2.28	29.69	110.32
8575	12.87	7.06	4.57	1.55	2.82	0.42	10.37	39.66	15.44	7.19	5.90	2.01	4.70	0.70	14.52	50.46
8580	20.59	11.16	9.61	3.27	5.05	0.76	16.56	67.00	24.70	11.37	12.42	4.22	8.42	1.26	23.18	85.57
8585	26.49	14.69	12.99	4.42	9.61	1.44	21.38	91.02	31.79	14.96	16.77	5.70	16.03	2.40	29.94	117.59

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8590	34.73	19.63	13.80	4.69	11.53	1.73	28.12	114.23	41.67	19.99	17.82	6.06	19.22	2.88	39.37	147.01
8595	35.48	20.21	16.13	5.48	12.85	1.93	28.77	120.85	42.58	20.59	20.83	7.08	21.43	3.21	40.28	156.00
8605	26.20	14.23	12.39	4.21	7.74	1.16	21.08	87.01	31.44	14.50	16.00	5.44	13.27	1.99	29.51	112.15
8615	11.43	6.24	4.59	1.56	3.27	0.49	9.20	36.78	13.72	6.36	5.93	2.02	5.45	0.82	12.89	47.19
8620	16.41	8.98	6.86	2.33	4.81	0.72	13.22	53.33	19.70	9.15	8.86	3.01	8.03	1.20	18.51	68.46
8625	19.62	11.09	10.53	3.58	9.15	1.37	15.89	71.23	23.55	11.30	13.60	4.62	15.26	2.29	22.25	92.87
8630	26.53	14.97	13.33	4.53	12.12	1.82	21.48	94.78	31.84	15.25	17.22	5.85	20.21	3.03	30.07	123.47
8635	37.15	21.07	17.94	6.10	12.85	1.93	30.10	127.14	44.58	21.47	23.18	7.88	21.43	3.21	42.14	163.89
8645	20.32	11.07	8.97	3.05	5.58	0.84	16.35	66.18	24.38	11.28	11.59	3.94	9.31	1.40	22.90	84.80
8650	27.87	15.40	12.30	4.18	9.61	1.44	22.49	93.29	33.45	15.69	15.89	5.40	16.03	2.40	31.48	120.34
8655	29.78	16.65	13.71	4.66	12.12	1.82	24.07	102.81	35.73	16.96	17.71	6.02	20.21	3.03	33.70	133.36
8660	33.16	18.70	14.50	4.93	10.74	1.61	26.84	110.48	39.79	19.05	18.73	6.37	17.91	2.69	37.58	142.12
8665	36.66	20.82	17.47	5.94	12.85	1.93	29.72	125.39	44.00	21.21	22.57	7.67	21.43	3.21	41.60	161.69
8675	7.86	5.33	5.07	1.62	1.91	0.29	7.29	29.37	9.43	5.41	6.67	2.14	2.57	0.39	9.48	36.09
8680	13.47	9.35	11.16	3.57	4.34	0.65	12.57	55.11	16.16	9.49	14.68	4.70	5.84	0.88	16.34	68.09
8685	18.29	12.81	15.22	4.87	6.45	0.97	17.11	75.72	21.94	13.01	20.02	6.41	8.69	1.30	22.24	93.61
8690	18.81	13.14	15.22	4.87	6.45	0.97	17.59	77.05	22.57	13.34	20.02	6.41	8.69	1.30	22.87	95.20
8695	20.95	14.78	18.60	5.95	7.93	1.19	19.64	89.04	25.14	15.01	24.47	7.83	10.68	1.60	25.54	110.27
8700	22.23	15.59	18.60	5.95	7.93	1.19	20.80	92.29	26.67	15.83	24.47	7.83	10.68	1.60	27.05	114.13
8710	13.35	9.27	11.16	3.57	4.34	0.65	12.46	54.80	16.02	9.42	14.68	4.70	5.84	0.88	16.20	67.74
8715	18.17	12.74	15.22	4.87	6.45	0.97	17.01	75.43	21.81	12.93	20.02	6.41	8.69	1.30	22.11	93.27
8720	18.44	12.91	15.22	4.87	6.45	0.97	17.25	76.11	22.13	13.11	20.02	6.41	8.69	1.30	22.43	94.09
8725	22.44	15.72	18.60	5.95	7.93	1.19	21.00	92.83	26.93	15.96	24.47	7.83	10.68	1.60	27.30	114.77
8730	22.82	15.96	18.60	5.95	7.93	1.19	21.35	93.80	27.39	16.21	24.47	7.83	10.68	1.60	27.75	115.93
8740	16.51	9.25	11.16	3.57	5.83	0.87	13.35	60.54	19.81	9.42	14.68	4.70	9.76	1.46	18.69	78.52
8745	24.89	14.10	15.22	4.87	9.25	1.39	20.16	89.88	29.86	14.36	20.02	6.41	15.01	2.25	28.23	116.14
8750	38.68	22.46	21.98	7.03	20.50	3.08	31.47	145.20	46.42	22.89	28.92	9.26	34.47	5.17	44.06	191.19
8760	14.84	8.41	9.37	3.00	5.86	0.88	12.02	54.38	17.81	8.57	12.33	3.94	9.68	1.45	16.83	70.61
8765	26.38	14.29	14.31	4.58	4.00	0.60	21.21	85.37	31.66	14.56	18.82	6.02	6.57	0.99	29.70	108.32
8775	17.31	9.69	11.16	3.57	6.00	0.90	13.99	62.62	20.77	9.87	14.68	4.70	10.02	1.50	19.59	81.13
8780	24.68	13.74	15.22	4.87	8.05	1.21	19.94	87.71	29.62	14.00	20.02	6.41	13.49	2.02	27.92	113.48
8790	4.47	1.39	4.54	1.27	0.04	0.01	7.02	18.74								
8795	6.79	2.11	7.97	2.23	0.04	0.01	10.66	29.81								
8805	1.08	0.62	0.00	0.01	0.00	0.00	0.77	2.48								
8810	1.26	0.72	0.00	0.01	0.00	0.00	0.90	2.89								
8815	1.46	0.83	0.00	0.01	0.00	0.00	1.04	3.34								
8825	1.85	1.10	0.65	0.17	0.17	0.03	1.33	5.30								
8830	2.12	1.25	0.65	0.17	0.17	0.03	1.52	5.91								
8835	2.35	1.39	0.65	0.17	0.17	0.03	1.69	6.45								
8845	0.23	0.10	1.18	0.35	0.00	0.00	0.14	2.00								
8850	0.27	0.12	1.47	0.44	0.00	0.00	0.17	2.47								
8860	0.54	0.21	3.89	0.93	0.03	0.00	0.63	6.23								
8865	0.58	0.22	3.89	0.93	0.02	0.00	0.67	6.31								
8870	0.63	0.24	6.48	1.55	0.02	0.00	0.73	9.65								
8875	0.81	0.31	6.87	1.65	0.02	0.00	0.93	10.59								
8885	0.75	0.29	1.13	0.27	0.02	0.00	0.87	3.33								
8890	0.81	0.31	1.59	0.38	0.02	0.00	0.93	4.04								
8895	0.89	0.35	1.59	0.38	0.05	0.01	1.04	4.31								
8900	0.97	0.38	2.68	0.64	0.05	0.01	1.13	5.86								
8910	0.23	0.10	0.59	0.18	0.00	0.00	0.14	1.24								
8915	0.24	0.10	1.18	0.35	0.00	0.00	0.14	2.01								
8925	0.11	0.05	1.12	0.34	0.00	0.00	0.06	1.68								
8930	0.14	0.06	1.41	0.42	0.00	0.00	0.08	2.11								
8935	0.37	0.16	1.76	0.53	0.00	0.00	0.22	3.04								
8940	0.64	0.28	2.47	0.74	0.00	0.00	0.39	4.52								

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
8950	0.05	0.02	1.12	0.34	0.00	0.00	0.03	1.56								
8955	0.16	0.07	1.41	0.42	0.00	0.00	0.10	2.16								

APPENDIX A

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APPENDIX B

AREA FACTORS

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

Sales or Import Tax Rate:	6.00 %
Working Hours Per Year:	1,700 Hrs/Yr
Labor Adjustment Factor (LAF):	1.090
Electricity Cost Per Kilowatt-Hour:	\$ 0.098 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.230 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 0.890 /Gal.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.110 /Gal.
Freight Rates:	0 thru 24,000 lbs. \$14.800 /Cwt. over 24,000 thru 30,000 lbs. \$13.800 /Cwt. over 30,000 thru 44,000 lbs. \$11.350 /Cwt. over 44,000 thru 60,000 lbs. \$ 9.050 /Cwt. over 60,000 thru 70,000 lbs. \$ 7.400 /Cwt. over 70,000 thru 80,000 lbs. \$ 6.950 /Cwt. over 80,000 thru 9999,900 lbs. \$ 6.600 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

APPENDIX D
EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

TABLE LEGEND

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

TABLE LEGEND

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
15	AGGREGATE SPREADERS	A	10	20	50 .000 .051 .030	0 .000 .000 .000	0	24	24	97	69	99	70						
30	AIR COMPRESSORS	A	10	25	65 .000 .066 .038	0 .000 .000 .000	45	32	28	0	0	90	70						
45	AIR TOOLS, SANDBLASTERS, ETC	A	4	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	90	150						
60	ASPHALT DISTRIBUTORS	A	10	20	65 .000 .066 .038	0 .000 .000 .000	0	32	28	71	57	79	85						
65	ASPHALT AND CONCRETE PAVERS	A	10	20	65 .000 .066 .038	0 .000 .000 .000	0	32	28	83	66	92	90						
70	ASPHALT KETTLES AND RECYCLERS	A	8	20	65 .000 .066 .038	0 .000 .000 .000	0	32	28	76	60	84	80						
	BACKHOE (SEE KEY NO. 570-601)																		
75	BROOMS	A	10	25	65 .000 .066 .000	0 .000 .000 .000	0	24	28	81	65	90	80						
80	BRUSH CHIPPERS	A	10	20	45 .000 .046 .027	0 .000 .000 .000	0	32	28	0	0	90	90						
90	BUCKETS, CLAMSHELL & DRAGLINE	A	10	15	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	0	70						
90		S	8	15	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	0	80						
95	BUCKETS, CONCRETE	A	10	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	0	70						
105	CONCRETE OR GROUT PUMP	A	8	20	95 .000 .097 .056	0 .000 .000 .000	45	32	28	81	65	90	90						
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	A	8	20	0 .000 .000 .000	0 .000 .000 .000	45	32	28	0	0	90	80						
125	CONCRETE FINISHERS & BUGGIES	A	6	25	70 .700 .071 .041	0 .000 .000 .000	50	32	28	0	0	90	80						
130	CONCRETE SAWS	A	8	20	90 .900 .091 .053	0 .000 .000 .000	45	32	38	0	0	90	90						
135	CONCRETE VIBRATORS	A	4	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	0	250						
140	COMPACTORS, MANUALLY OPERATED	A	6	20	90 .000 .091 .053	0 .000 .000 .000	0	24	24	0	0	85	120						
	CRANE, CRAWLER TYPE																		
150	0 THRU 25 TON	A	13	20	40 .000 .041 .024	0 .000 .000 .000	0	32	32	0	0	0	55						
150		S	11	20	52 .000 .053 .031	0 .000 .000 .000	0	32	32	0	0	0	60						
165	OVER 25 TON THRU 50 TON	A	15	20	40 .000 .041 .024	0 .000 .000 .000	0	20	20	0	0	0	65						
165		S	13	20	52 .000 .053 .031	0 .000 .000 .000	0	20	20	0	0	0	70						
170	OVER 50 TON THRU 150 TON	A	18	20	40 .000 .041 .024	0 .000 .000 .000	0	22	22	0	0	0	75						
170		S	16	20	52 .000 .053 .031	0 .000 .000 .000	0	22	22	0	0	0	80						
180	OVER 150 TON	A	20	20	40 .000 .041 .024	0 .000 .000 .000	0	24	24	0	0	0	85						
180		S	18	20	52 .000 .053 .031	0 .000 .000 .000	0	24	24	0	0	0	90						
	DRAGLINE & CLAMSHELL, CRAWLER																		
185	0 THRU 1 CY	A	12	20	50 .000 .051 .030	0 .000 .000 .000	0	32	32	0	0	0	70						
185		S	10	20	65 .000 .066 .038	0 .000 .000 .000	0	32	32	0	0	0	80						
190	OVER 1 CY THRU 2-1/2 CY	A	15	20	50 .000 .051 .030	0 .000 .000 .000	0	20	20	0	0	0	80						
190		S	13	20	65 .000 .066 .038	0 .000 .000 .000	0	20	20	0	0	0	90						
195	OVER 2-1/2 CY THRU 5 CY	A	18	20	50 .000 .051 .030	0 .000 .000 .000	0	22	22	0	0	0	90						
195		S	16	20	65 .000 .066 .038	0 .000 .000 .000	0	22	22	0	0	0	100						

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
196	OVER 5 CY	A	20	20	50 .000 .051 .030	0 .000 .000 .000	0	24	24	0	0	0	0	0	0	0	0	0	100
196		S	18	20	65 .000 .066 .038	0 .000 .000 .000	0	24	24	0	0	0	0	0	0	0	0	0	110
200	CRANES, HYDRAULIC, SELF-PROPELLED	A	16	15	65 .000 .066 .038	0 .000 .000 .000	0	32	30	89	71	90	0	0	0	0	0	0	70
205	CRANES, TOWER	A	18	30	65 .900 .066 .038	10 .900 .010 .006	50	30	26	0	0	0	0	0	0	0	0	0	80
	CRANES & HYD. EXC., TRK MTD																		
210	UNDER 26 T. (THRU 1 CY)	A	15	15	65 .000 .066 .038	10 .000 .010 .006	0	38	36	97	78	0	0	0	0	0	0	0	50
210		S	13	15	85 .000 .086 .050	13 .000 .013 .007	0	38	36	86	61	0	0	0	0	0	0	0	55
225	26 THRU 65 T (1 TH 2-1/2 CY)	A	18	15	65 .000 .066 .038	10 .000 .010 .006	0	30	26	97	78	0	0	0	0	0	0	0	60
225		S	16	15	85 .000 .086 .050	13 .000 .013 .007	0	30	26	86	61	0	0	0	0	0	0	0	65
230	66 THRU 125 T	A	20	15	65 .000 .066 .038	10 .000 .010 .006	0	30	26	97	78	0	0	0	0	0	0	0	70
230		S	18	15	85 .000 .086 .050	13 .000 .013 .007	0	30	26	86	61	0	0	0	0	0	0	0	75
240	OVER 125 T	A	22	20	65 .000 .066 .038	10 .000 .010 .006	0	30	26	97	78	0	0	0	0	0	0	0	80
240		S	20	20	85 .000 .086 .050	13 .000 .013 .007	0	30	26	86	61	0	0	0	0	0	0	0	85
255	DRILL, AUGER	A	10	20	50 .000 .051 .030	0 .000 .000 .000	0	32	28	67	57	0	0	0	0	0	0	0	90
270	DRILL, BLAST HOLE	A	10	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	0	0	0	0	0	0	0	90
300	DRILL, CORE	A	10	20	80 .000 .081 .047	0 .000 .000 .000	0	16	24	0	0	0	0	0	0	0	0	0	90
315	DRILL, ROTARY TO 11" DIA. HOLE	A	15	20	80 .000 .081 .047	10 .000 .010 .006	0	38	38	62	44	0	0	0	0	0	0	0	90
330	DRILL, ROTARY OVER 11" DIA.	A	20	20	80 .000 .081 .047	0 .000 .000 .000	0	32	32	62	44	0	0	0	0	0	0	0	90
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	A	20	20	70 .700 .000 .000	0 .000 .000 .000	50	0	0	0	0	0	0	0	0	0	0	0	45
375	FORK LIFTS	A	10	20	65 .900 .066 .038	0 .000 .000 .000	45	24	24	87	78	90	0	0	0	0	0	0	70
390	GRADERS	A	12	25	60 .000 .061 .035	0 .000 .000 .000	0	20	34	89	71	0	0	0	0	0	0	0	60
390		S	10	25	78 .000 .079 .046	0 .000 .000 .000	0	20	34	71	51	0	0	0	0	0	0	0	70
420	GENERATORS	A	8	15	65 .000 .066 .038	0 .000 .000 .000	0	24	24	0	0	0	0	0	0	0	0	0	60
420		S	7	15	85 .000 .086 .050	0 .000 .000 .000	0	24	24	0	0	0	0	0	0	0	0	0	70
435	HOIST	A	10	20	65 .000 .066 .038	0 .000 .000 .000	0	24	24	0	0	0	0	0	0	0	0	0	80
	HYD. EXCAVATOR (SEE KEY NO. 570-601)																		
440	LIGHT PLANTS	A	8	25	85 .000 .086 .050	0 .000 .000 .000	0	24	24	0	0	0	0	0	0	0	0	0	150
450	LOADER, BELT	A	10	25	65 .000 .066 .038	0 .000 .000 .000	0	28	28	26	0	0	99	0	0	0	0	0	90
450		S	8	25	85 .000 .086 .050	0 .000 .000 .000	0	28	28	16	0	0	96	0	0	0	0	0	100
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	A	10	20	70 .000 .071 .041	0 .000 .000 .000	0	32	38	0	0	0	0	0	0	0	0	0	125
460	LOADER, WHEEL TYPE	S	8	20	91 .000 .092 .054	0 .000 .000 .000	0	32	38	0	0	0	0	0	0	0	0	0	130
465	0 THRU 225 HP	A	10	25	65 .000 .066 .038	0 .000 .000 .000	0	32	42	70	42	0	0	0	0	0	0	0	70
465		S	8	25	85 .000 .086 .050	0 .000 .000 .000	0	32	42	41	22	0	0	0	0	0	0	0	75

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
600	OVER 5 CY	A	14	15	60 .000	.061	.035		0 .000	.000	.000		0	24	24	0	0	0	110
600		S	12	15	78 .000	.079	.046		0 .000	.000	.000		0	24	24	0	0	0	120
601	OVER 2-1/2 CY ELECTRIC	A	18	20	50 .500	.000	.000		0 .000	.000	.000		25	0	0	0	0	0	70
601		S	16	20	65 .650	.000	.000		0 .000	.000	.000		25	0	0	0	0	0	80
TRACTOR, CRAWLER TYPE																			
615	0 THRU 225 HP	A	10	25	70 .000	.000	.041		0 .000	.000	.000		0	0	36	0	0	0	110
615		S	8	25	91 .000	.000	.054		0 .000	.000	.000		0	0	36	0	0	0	120
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	A	10	15	70 .000	.000	.041		0 .000	.000	.000		0	0	28	0	0	0	90
620		S	8	15	91 .000	.000	.054		0 .000	.000	.000		0	0	28	0	0	0	100
625	OVER 425 HP	A	12	15	70 .000	.000	.041		0 .000	.000	.000		0	0	24	0	0	0	90
625		S	10	15	91 .000	.000	.054		0 .000	.000	.000		0	0	24	0	0	0	100
630	TRACTOR, BLADES, PUSH BLOCKS,	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	73	44	0	60
645		S	8	20	85 .000	.086	.050		0 .000	.000	.000		0	24	28	38	21	0	65
650	TRENCHER	A	10	20	65 .000	.066	.038		0 .000	.000	.000		0	28	28	91	68	0	90
650		S	8	20	85 .000	.086	.050		0 .000	.000	.000		0	28	28	77	48	0	100
655	TRAILERS, BOTTOM DUMP AND END DUMP	A	10	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	65
655		S	8	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
660	TRAILERS, FLATBED, LO-BOY AND TILT	A	10	30	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	65
TRUCK ACCESSORIES FOR CHASSIS MOUNTING																			
670	DUMP BODIES	A	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
670		S	6	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
675	ALL OTHER ACCESSORIES	A	8	20	65 .000	.066	.000		0 .000	.000	.000		0	32	32	0	0	0	70
TRUCK, HIGHWAY																			
690	0 THRU 10,000 GVW	A	6	25	15 .000	.015	.009		0 .000	.000	.000		0	28	24	41	29	0	70
690		S	5	25	20 .000	.020	.012		0 .000	.000	.000		0	28	24	36	22	0	80
695	OVER 10,000 THRU 30,000 GVW	A	8	25	35 .000	.035	.020		0 .000	.000	.000		0	30	26	49	39	0	60
695		S	6	25	46 .000	.045	.026		0 .000	.000	.000		0	30	26	42	30	0	70
705	OVER 30,000 GVW	A	8	20	50 .000	.052	.030		0 .000	.000	.000		0	32	28	51	38	57	60
705		S	6	20	65 .000	.067	.039		0 .000	.000	.000		0	32	28	43	29	48	70
720	TRUCK, OFF-HIGHWAY	A	12	15	40 .000	.000	.024		0 .000	.000	.000		0	0	34	59	36	65	60
720		S	10	15	52 .000	.000	.031		0 .000	.000	.000		0	0	34	39	21	43	70
765	WAGON, BOTTOM & REAR DUMP	A	12	15	65 .000	.066	.038		0 .000	.000	.000		0	24	32	59	39	65	60
765		S	10	15	85 .000	.086	.050		0 .000	.000	.000		0	24	32	39	22	43	70
780	WAGON, WATER	A	12	25	65 .000	.066	.038		0 .000	.000	.000		0	24	32	73	55	81	60
780		S	10	25	85 .000	.086	.050		0 .000	.000	.000		0	24	32	56	40	62	65

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

1967 = 1000

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

APPENDIX F

TIRE LIFE AND TIRE WEAR FACTORS

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

No.	Condition	Factor	
		Average	Severe
A	Maintenance	1.00	1.00
B	Speeds	0.80	0.85
C	Curves	1.00	0.90
D	Surface Condition	0.90	0.70
E	Loads	0.90	0.80
		0.648	0.428
F	Wheel Positions		
	Trailing (T-Tire)	1.00	1.00
	Front (F-Tire)	0.90	0.90
	Driver (D-Tire)		
	(Rear Dump)	0.70	0.70
	(Bottom Dump)	0.70	0.70
	(Self-Propelled Scrapers)	0.60	0.60
G	Grades		
	(Drive Tire Only)	0.85	0.75

FINAL TIRE WEAR FACTORS

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

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

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TABLE F-1. Maximum Tire Life.

Bias Ply Tires:

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

Radial Ply Tires:

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

APPENDIX G
EQUIPMENT EXTRAS

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

(1) Crane, Crawler-Mounted.

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

(2) Dragline and Clamshell, Crawler-Mounted.

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

(3) Backhoe and Shovel, Crawler-Mounted.

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

(4) Truck Crane Less than 25 Ton.

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

(5) Truck Crane 25 Ton and Larger.

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

(6) Excavators, Hydraulic.

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

(7) Grader.

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

(8) Belt Loader.

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

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

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

(10) Scraper.

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

(11) Tractor, Crawler.

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

(12) Tractor, Wheel Dozer.

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

(13) Trucks, Off-Highway.

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