

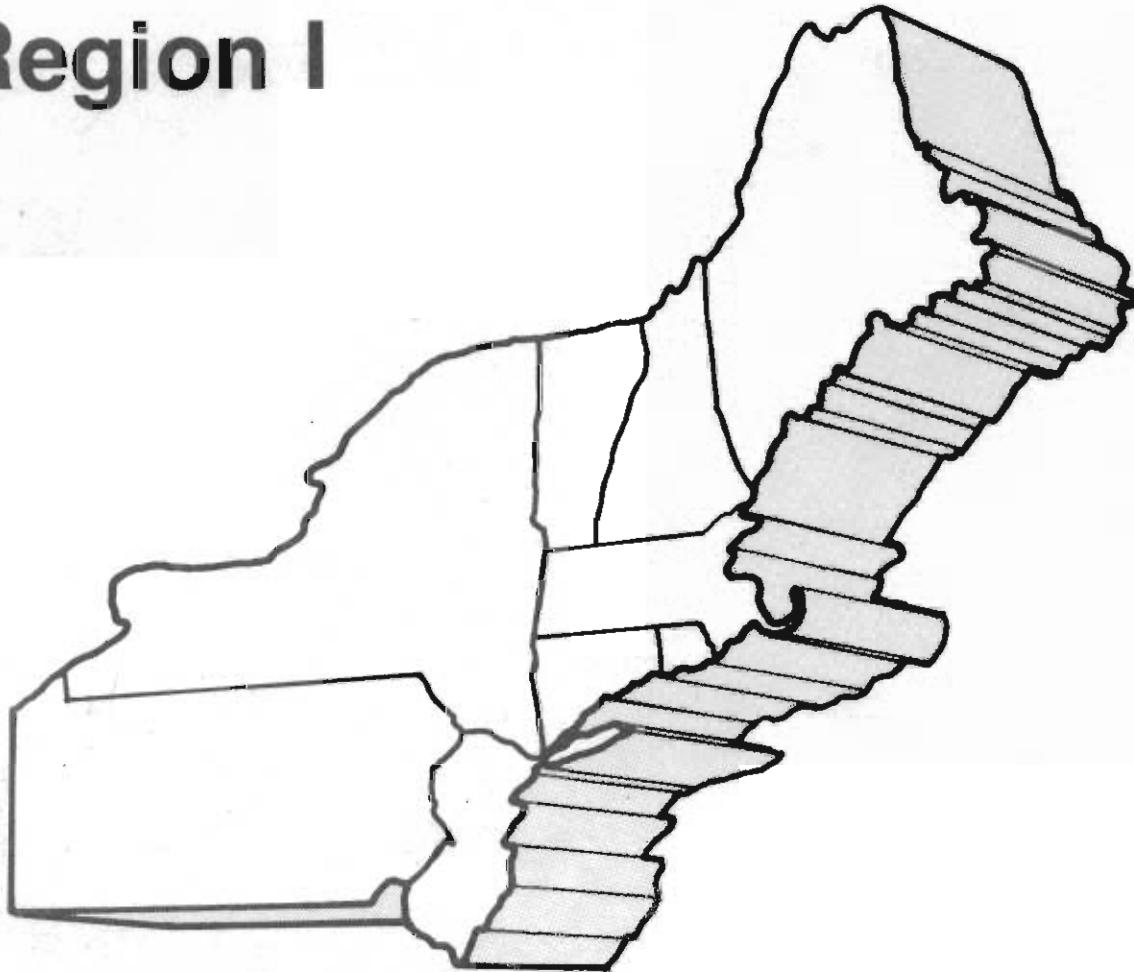


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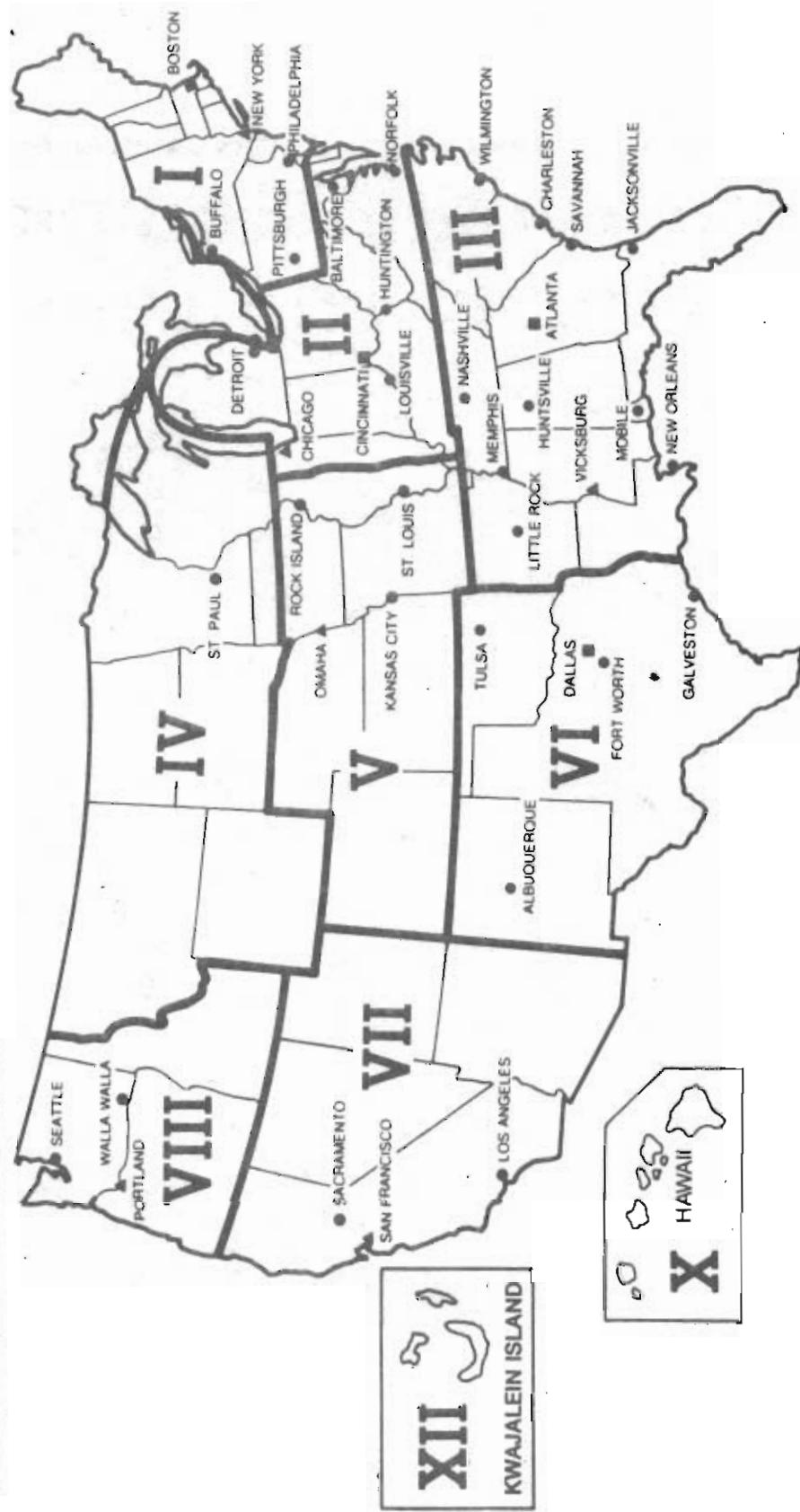
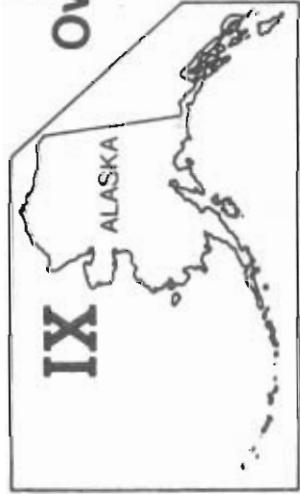
EP 1110-1-8
Volume 1
June 1985

Construction Equipment Ownership and Operating Expense Schedule

Region I



Regions for the Construction Equipment Ownership and Operating Expense Schedule



DAEN-ECE-S

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

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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 I which includes the following states:

Connecticut
Maine
Massachusetts
New Hampshire
New Jersey

New York
Pennsylvania
Rhode Island
Vermont

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

PAUL W. TAYLOR
Colonel, Corps of Engineers
Chief of Staff

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DEPARTMENT OF THE ARMY
US Army Corps of Engineers
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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 I, which includes the following states:

Connecticut	New York
Maine	Pennsylvania
Massachusetts	Rhode Island
New Hampshire	Vermont
New Jersey	

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.

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:

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

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

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

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

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

(5) Hourly Tire Cost.

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

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

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

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

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

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

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

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

CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET <small>(EP 1110-1-8)</small>	
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, 50-ton</u>	
(2) Model and Series <u>650A-TC</u>	w/ <u>150'</u> Boom
(3) Year Purchased <u>1983</u>	(4) Year Manufactured <u>1983</u>
(5) Equipment Horsepower <u>135</u>	(6) Carrier Horsepower <u>236</u>
(7) Fuel Type <u>Diesel / Diesel</u>	(8) Shipping Weight <u>122,200 lbs.</u>
(9) Tire Size: Front- <u>14X20 18PR</u> Drive- <u>14X20 18PR</u> Trailing- <u>N/A</u>	
b. Key Number from APPENDIX D <u>225</u>	
(1) Condition <u>Average</u>	
(2) Salvage Value % <u>15 %</u>	(3) Life <u>18,000 Hrs</u>
(4) Equipment Fuel Factor <u>.038</u>	(5) Carrier Fuel Factor <u>.006</u>
(6) FOG Factor: Gas <u>N/A</u>	Diesel <u>.25</u> Electric <u>N/A</u>
(7) Tire Wear Factor: Front <u>.97</u>	Drive <u>.78</u> Trailing <u>N/A</u>
(8) Repairs Cost Factor <u>.60</u>	
2. EQUIPMENT COST	
a. List Price Year of Manufacture (including extras)	<u>\$ 403,894.00</u>
(1) Discount: (List Price) x *.75% *(17.5% for Highway Trucks)	
$= (\$ 403,894.00) \times .075$	<u>= (-)\$ 30,292.05</u>
(2) Freight: (Shipping Weight) x (Prep. and Del. Rate) From 1-a-(8) From APPENDIX B	
$= (122 \text{ cwt}) \times (\$ 4.00)$	<u>= (+)\$ 4,888.00</u>
b. Subtotal: Summation of Part a. (Use actual cost when available)	<u>= \$ 378,489.95</u>
(1) State Sales Tax: (Subtotal) x (Tax Rate) From 2-b	
$= (\$ 378,489.95) \times (.055)$	<u>= (+)\$ 20,816.95</u>
c. Equipment Cost: Summation of Part b. (Use actual cost when available)	<u>= \$ 399,306.90</u>

Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

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

$$= (\underline{18,000} \text{ Hrs}) + (\underline{1450} \text{ Hrs/Yr}) \quad \underline{12.41} \text{ Yrs.}$$

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 (EAF))
From 1-b-(2) From 4

$$= \underline{15} \times \underline{1047} = \underline{157}(s)$$

6. OWNERSHIP COSTS

a. Depreciation:

$$(\$399,307) \times (1.0 - (.157)) - (\$821) + (18,000 \text{ Hr}) = \$18,24/\text{Hr.}$$

b. Cost of Facilities Capital (CPC):

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

$$= [(\underline{12.4/Yrs}) - 1.0] \times [(\underline{.157}) + 1.0] + 2.0] + \frac{[(\underline{12.4/Yrs}) \times 2.0]}{3} = \underline{.6125}$$

$$(2) \frac{\text{Equipment Cost}}{2-c} \times \frac{\text{Average Value Factor}}{\text{From 6-b-(1)}} \times \frac{\text{CPC Factor}}{\text{From Para. 2-2.c.(2)}} + \frac{\text{Hrs Use/ Yr}}{\text{From 2-APP. B}} = \$ \underline{399,307} \times \underline{.6125} \times \underline{.097} + \underline{1450 \text{ Hrs/Yr}} = \$ \underline{16,36} / \text{Hr.}$$

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) **-\$ 34.60/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.

$$= (.038) \times (135 \text{ HP}) \times (\$.94/\text{Gal}) = \$ 4.82/\text{Hr.}$$

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

$$= (.006) \times (236 \text{ HP}) \times (\$ 1.16/\text{Gal}) = \$ 1.64/\text{Hr.}$$

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) = \\$ 6.46/Hr.

b. FOG Costs:

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

$$= (.26) \times (\$ 4.82/\text{Hr}) = \$ 1.25/\text{Hrs.}$$

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

$$= (.26) \times (\$ 1.64/\text{Hr}) = \$.43/\text{Hr.}$$

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) = \\$ 1.68/Hr.

c. Repairs Cost:

(1) Repair Factor:

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

$$= (.60) \times (1.047) \times (1.02) = .641$$

(2) Hourly Repairs:

Equipment
 [(Cost From) - (Tire Cost)] x (Repair Factor) + (From)
 2-c Yr. of Mfg. From 7-c-(1) 1-b-(3)

$$=[(\$ 399307) - (\$ 8211)] \times (.641) + (18,000\text{Hr}) = \$ 13.93/\text{Hr.}$$

Figure 2-1. (Continued)

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

d. Tire Wear Costs (Current Price Levels):

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

$$= 1.5 \times (\underline{\underline{\underline{2776}}}) + [1.8 \times (\underline{\underline{\underline{.97}}}) \times (\underline{\underline{\underline{5000}}})] = \$ \underline{\underline{\underline{148}}} / \text{Hr.}$$

$$(2) \text{Drive Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Ptr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad \text{Drive} \quad \text{D-Tire} \quad \text{Max Tire} \\ 1-b-(7) \quad \text{Tbl F-1}$$

$$= 1.5 \times (\underline{\underline{\underline{5552}}}) + [1.8 \times (\underline{\underline{\underline{.78}}}) \times (\underline{\underline{\underline{5000}}})] = \$ \underline{\underline{\underline{119}}} / \text{Hr.}$$

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

$$= 1.5 \times (\underline{\underline{\underline{1}}}) + [1.8 \times (\underline{\underline{\underline{}}}) \times (\underline{\underline{\underline{}}})] = \$ \underline{\underline{\underline{}} / \text{Hr.}}$$

$$(4) \text{Total Tire Wear Cost: } (\text{Sum 7-d-(1) thru (3)}) = \$ \underline{\underline{\underline{167}}} / \text{Hr.}$$

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

$$= (\underline{\underline{\underline{167}}}) \times 0.15 = \$ \underline{\underline{\underline{25}}} / \text{Hr.}$$

$$\text{f. Total Operating Costs: } (\text{Sum 7-a thru 7-e}) = \$ \underline{\underline{\underline{23.99}}} / \text{Hr.}$$

g. TOTAL HOURLY RATES

$$\text{a. Single Shift Hourly Rate: } (40 \text{ Hours per Week})$$

(Ownership Costs Frm 6-c) + (Operating Costs Frm 7-f)

$$= (\underline{\underline{\underline{34.60}}}) + (\underline{\underline{\underline{23.99}}}) = \$ \underline{\underline{\underline{58.59}}} / \text{Hr.}$$

b. Hourly Rate for Other Work Shifts:

(Depreciation) + [(CPC Frm) x 40 + (Work Hrs)] + (Operating Costs)

Frm 6-a 6-b-(2) Per Week Frm 7-f

$$= (\underline{\underline{\underline{18.24}}}) + [(\underline{\underline{\underline{16.36}}}) \times 40 + (\underline{\underline{\underline{60}}})] + (\underline{\underline{\underline{23.99}}}) = \$ \underline{\underline{\underline{53.14}}} / \text{Hr.}$$

c. Hourly Standby Rate:

(Depreciation) x 0.25 + (CPC Frm)

Frm 6-a 6-b-(2)

$$= (\underline{\underline{\underline{18.24}}}) \times 0.25 + (\underline{\underline{\underline{16.36}}}) = \$ \underline{\underline{\underline{20.92}}} / \text{Hr.}$$

Figure 2-1. (Continued)

2-3. Marine Equipment.

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

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

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

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

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

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

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

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

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

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

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

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

<u>TYPE OF EQUIPMENT</u>	LIFE (YRS)	SALVAGE VALUE FACTOR	PERCENT <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:					
Pontoons	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).

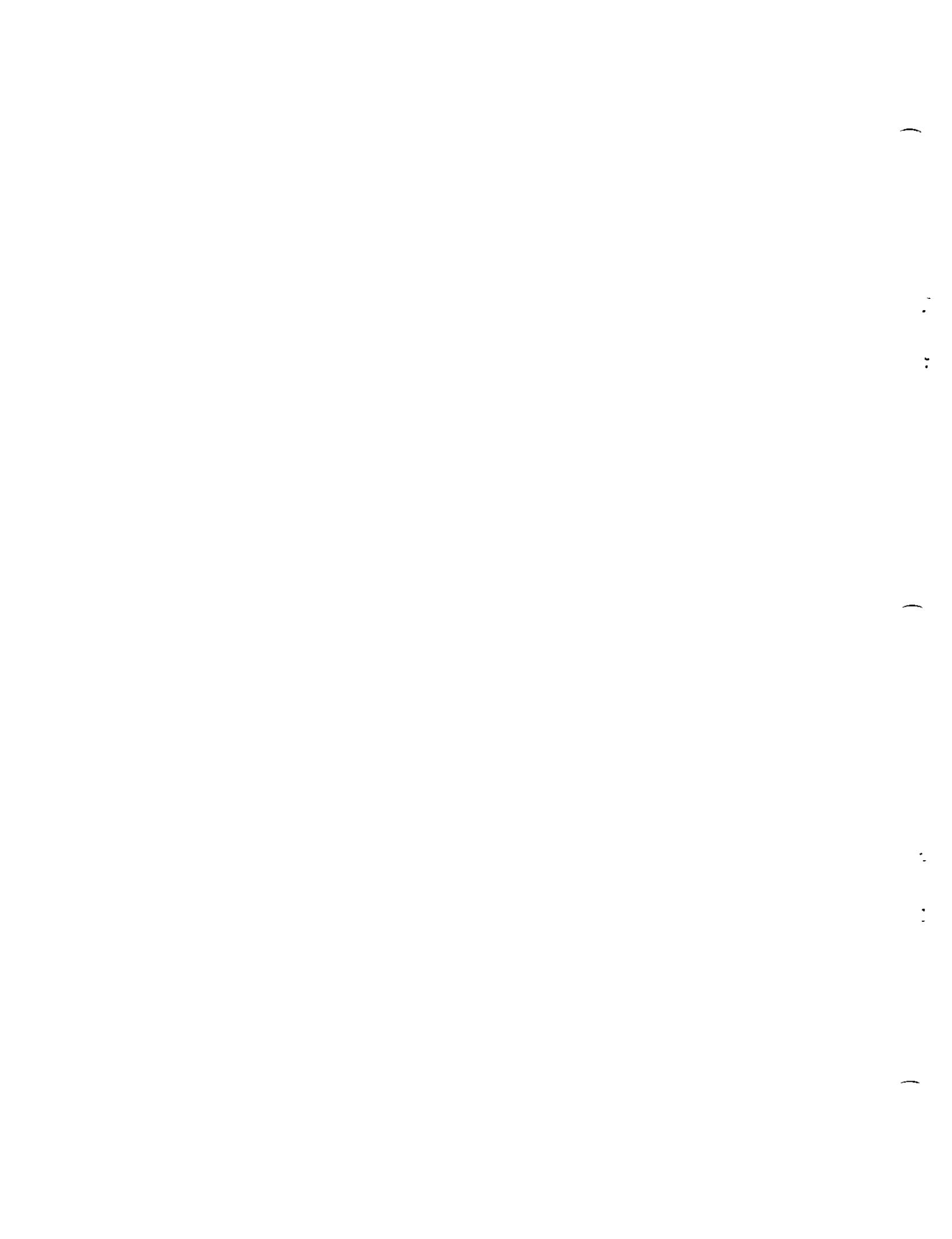


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TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	FUEL OWNER-SHIP	SEVERE OWNER-SHIP									
			AVERAGE	SEVERE													
AGGREGATE SPREADER *****																	
ETNYRE - SELF-PROPELLED																	
1010	SPREAD TO 8" DEPTH & 10' WIDE	184 HP G	56,300	24.67		3.58	6.86	10.89	155								
1015	SPREAD TO 8" DEPTH & 13' WIDE	140 HP D	62,944	17.38		4.01	7.68	3.95	160								
AIR COMPRESSORS, PORTABLE ***** (HOSE NOT INCLUDED)																	
ROTARY SCREW																	
1030	SIZE 100 CFM QUIET 100 PSI	50 HP G	11,247	7.23		0.72	1.33	3.83	20								
1035	SIZE 100 CFM QUIET 100 PSI	33 HP D	13,492	4.13		0.87	1.60	1.18	26								
1040	SIZE 125 CFM QUIET 100 PSI	70 HP G	13,765	9.74		0.88	1.63	5.36	24								
1045	SIZE 125 CFM QUIET 100 PSI	51 HP D	14,640	5.17		0.94	1.74	1.82	26								
1050	SIZE 175 CFM QUIET 100 PSI	70 HP G	15,023	9.99		0.97	1.79	5.36	26								
1055	SIZE 175 CFM QUIET 100 PSI	54 HP D	17,046	5.78		1.09	2.03	1.93	28								
1060	SIZE 185 CFM QUIET 100 PSI	70 HP G	15,510	10.08		0.99	1.84	5.36	27								
1065	SIZE 185 CFM QUIET 100 PSI	69 HP D	18,297	6.71		1.18	2.18	2.46	29								
1070	SIZE 250 CFM QUIET 100 PSI	88 HP D	27,265	9.32		1.75	3.25	3.14	55								
1075	SIZE 375 CFM QUIET 100 PSI	122 HP D	33,798	12.17		2.16	3.98	4.36	79								
1080	SIZE 450 CFM QUIET 100 PSI	152 HP D	43,803	15.48		2.79	5.17	5.43	89								
1085	SIZE 600 CFM QUIET 100 PSI	188 HP D	52,598	18.85		3.36	6.22	6.72	97								
1090	SIZE 750 CFM QUIET 100 PSI	228 HP D	60,995	22.30		3.90	7.22	8.14	128								
1095	SIZE 825 CFM QUIET 100 PSI	260 HP D	69,402	25.40		4.44	8.23	9.29	130								
1100	SIZE 900 CFM QUIET 100 PSI	270 HP D	76,047	27.14		4.87	9.02	9.64	148								
1105	SIZE 1000 CFM QUIET 100 PSI	294 HP D	85,012	29.98		5.44	10.09	10.50	186								
1110	SIZE 1200 CFM QUIET 100 PSI	400 HP D	101,683	38.06		6.51	12.08	14.29	196								
1115	SIZE 1600 CFM QUIET 100 PSI	456 HP D	114,961	43.23		7.36	13.66	16.29	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					
AIR EQUIPMENT ***** (HOSE NOT INCLUDED)													
CLEMCO - SANDBLASTERS													
1130	SOW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,513	1.05		0.16	0.38	0.00		3				
1135	SOW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,756	1.84		0.28	0.68	0.00		5				
1140	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,774	1.86		0.28	0.69	0.00		6				
1145	SOWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	3,048	2.10		0.30	0.75	0.00		7				
1150	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,121	2.80		0.41	1.02	0.00		9				
1155	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	11,985	7.91		1.18	2.90	0.00		28				
1160	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	14,731	9.67		1.43	3.49	0.00		45				
1165	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	17,967	11.86		1.75	4.29	0.00		53				
GARDNER DENVER - TOOLS													
1175	SPADER SP27E	32CFM A	918	0.66		0.10	0.23	0.00	1				
1180	SINKER DRILL S58	98CFM A	2,014	1.42		0.20	0.50	0.00	1				
1185	PAVING BREAKER B37	41CFM A	942	0.68		0.10	0.24	0.00	1				
1190	PAVING BREAKER B67C	46CFM A	1,010	0.71		0.10	0.25	0.00	1				
1195	PAVING BREAKER B87C	50CFM A	1,099	0.77		0.11	0.27	0.00	1				
1200	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,701	2.53		0.37	0.92	0.00	1				
MASTER - CONCRETE VIBRATORS													
1210	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	1,987	1.96		0.20	0.49	0.00	1				
1215	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,277	1.29		0.12	0.31	0.00	1				
1220	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,146	1.15		0.12	0.29	0.00	1				
1225	CONCRETE VIBR. MOD A-30010 3"	64CFM A	1,034	1.02		0.10	0.25	0.00	1				
1230	CONCRETE VIBR. MOD A-25010 2.5"	40CFM A	811	0.80		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	AVERAGE	SEVERE	STAND-BY	AVERAGE OWNER-SHIP	FUEL				
ASPHALT DISTRIBUTOR - ROSCO												
***** ***** (NO CHASSIS)												
1240	MOD RES 1000 GAL. TRUCK MOUNTED 18,000 TO 24,000 GVW REQUIRED	45 HP G	27,757	10.46		1.78	3.43	3.45	72			
1245	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GVW REQUIRED	45 HP G	28,415	10.61		1.83	3.52	3.45	75			
1250	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GVW REQUIRED	45 HP G	30,390	11.02		1.94	3.75	3.45	87			
1255	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GVW REQUIRED	45 HP G	34,082	11.82		2.19	4.22	3.45	109			
ASPHALT FINISHERS												
***** *****												
SPW=STANDARD PAVING WIDTH												
BARBER-GREENE												
1265	MOD SBL11 8' SPW (PNEUMATIC)	70 HP D	90,495	23.04		5.76	11.04	2.50	165			
1270	MOD SBL31 10' SPW (PNEUMATIC) W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	95 HP D	143,766	35.96		9.12	17.43	3.39	258			
1275	MOD SBL40 10' SPW (PNEUMATIC) OPTIONS SAME AS MOD SBL31	130 HP D	160,129	41.16		10.18	19.47	4.64	325			
1280	MOD SAI50 10' SPW (CRAWLER) OPTIONS SAME AS MOD SBL31	130 HP D	190,644	47.54		12.21	23.56	4.64	375			
BLAW-KNOX												
1290	MOD PF-22 5' SPW (PNEUMATIC)	22 HP D	46,628	11.28		2.95	5.62	0.79	95			
1295	MOD PF-35 6' SPW (PNEUMATIC)	56 HP D	73,445	18.69		4.67	8.94	2.00	104			
1300	MOD PF-115 8' SPW (PNEUMATIC)	58 HP D	101,835	25.02		6.48	12.40	2.07	180			
1305	MOD PF-120H 8' SPW (PNEUMATIC)	87 HP D	126,995	31.95		8.05	15.36	3.11	240			
1310	MOD PF-180H 10' SPW (PNEUMATIC)	88 HP D	148,721	36.78		9.42	17.97	3.14	277			
1315	MOD PF-220 12' SPW (PNEUMATIC)	157 HP D	197,357	50.69		12.50	23.84	5.61	387			
1320	MOD PF-400 8' SPW (CRAWLER)	76 HP D	139,901	34.00		8.96	17.29	2.71	230			
1325	MOD PF-500 10' SPW (CRAWLER)	110 HP D	167,378	41.56		10.72	20.69	3.93	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 OWNER-SHIP	COND. FUEL	SEVERE OWNER-SHIP		
			AVERAGE	SEVERE						
ASPHALT KETTLES - ROSCO *****										
1335	MOD KB 110 GAL. TRAILER MOUNTED	3,751	1.93		0.26	0.53	0.00		13	
1340	MOD KD 225 GAL. TRAILER MOUNTED	4,358	2.18		0.31	0.62	0.00		16	
ASPHALT RECYCLER - BOMAG *****										
1350	MOD AR-6 TRAILER MOUNTED	8 HP G	10,334	4.96		0.72	1.48	0.61	21	
BROOMS - M-B *****										
1360	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER		6,448	1.50		0.41	0.76	0.00	24	
1365	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	21 HP G	8,355	3.71		0.53	0.99	1.61	30	
1370	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		2,827	0.76		0.18	0.34	0.00	10	
1375	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		4,386	1.01		0.28	0.52	0.00	14	
BRUSH CHIPPERS - FMC *****										
1385	MOD C-16S SKID-MTD	16" DIA.LOG 150 HP G	11,691	13.12		0.75	1.45	8.00	41	
1390	MOD C-16T TRAILER-MTD	16" DIA.LOG 150 HP G	12,794	13.37		0.82	1.56	8.00	45	
BUCKETS, CLAMSHELL *****										
ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE										
1400	.75 C.Y.		10,204	2.05	2.60	0.66	1.30	0.00	1.53	
1405	1.0 C.Y.		10,980	2.21	2.79	0.70	1.40	0.00	1.64	
1410	1.5 C.Y.		15,903	3.19	4.05	1.02	2.02	0.00	2.38	
1415	2.0 C.Y.		18,684	3.75	4.76	1.20	2.38	0.00	2.80	
1420	2.5 C.Y.		24,108	4.84	6.13	1.54	3.07	0.00	3.60	
1425	3.0 C.Y.		25,663	5.15	6.52	1.64	3.27	0.00	3.83	
1430	3.5 C.Y.		27,902	5.60	7.10	1.78	3.55	0.00	4.17	
									105	

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 OWNER-SHIP	FUEL	SEVERE OWNER-SHIP				
BUCKETS, CLAMSHELL (CONT'D) *****													
ESCO - MODEL GPS GEN PURPOSE & SQUARE NOSE (CONT'D)													
1435	4.0 C.Y.	30,935	6.21	7.86	1.98	3.94	0.00	4.62	0.00	115			
1440	4.5 C.Y.	33,616	6.75	8.55	2.15	4.28	0.00	5.02	0.00	126			
1445	5.0 C.Y.	35,830	7.19	9.12	2.29	4.56	0.00	5.36	0.00	140			
1450	5.5 C.Y.	39,667	7.95	10.08	2.53	5.04	0.00	5.92	0.00	152			
1455	6.0 C.Y.	41,281	8.28	10.50	2.63	5.25	0.00	6.17	0.00	160			
1460	6.5 C.Y.	42,493	8.52	10.81	2.71	5.40	0.00	6.35	0.00	169			
1465	7.0 C.Y.	44,724	8.97	11.38	2.86	5.69	0.00	6.69	0.00	177			
1470	7.5 C.Y.	46,524	9.34	11.83	2.97	5.92	0.00	6.95	0.00	184			
ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE													
1480	.75 C.Y.	9,741	1.96	2.48	0.63	1.24	0.00	1.46	0.00	33			
1485	1.0 C.Y.	13,562	2.73	3.44	0.87	1.73	0.00	2.02	0.00	46			
1490	1.5 C.Y.	19,902	3.99	5.06	1.27	2.53	0.00	2.97	0.00	70			
1495	2.0 C.Y.	21,572	4.32	5.48	1.38	2.74	0.00	3.22	0.00	78			
1500	2.5 C.Y.	27,128	5.44	6.91	1.73	3.45	0.00	4.06	0.00	98			
1505	3.0 C.Y.	29,864	6.00	7.60	1.91	3.81	0.00	4.47	0.00	109			
1510	3.5 C.Y.	34,344	6.89	8.73	2.20	4.37	0.00	5.13	0.00	120			
1515	4.0 C.Y.	37,077	7.44	9.43	2.37	4.72	0.00	5.54	0.00	131			
1520	4.5 C.Y.	39,973	8.03	10.17	2.56	5.09	0.00	5.98	0.00	141			
1525	5.0 C.Y.	42,880	8.61	10.91	2.74	5.46	0.00	6.41	0.00	155			
1530	5.5 C.Y.	45,389	9.11	11.55	2.90	5.78	0.00	6.79	0.00	164			
1535	6.0 C.Y.	47,763	9.59	12.15	3.05	6.08	0.00	7.14	0.00	174			
1540	6.5 C.Y.	50,434	10.12	12.83	3.22	6.42	0.00	7.54	0.00	185			
1545	7.0 C.Y.	52,693	10.58	13.40	3.37	6.71	0.00	7.87	0.00	193			
1550	7.5 C.Y.	54,910	11.02	13.96	3.51	6.99	0.00	8.20	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.	15,425	3.09	3.92	0.99	1.96	0.00	2.30	0.00	50				
1565	1.0 C.Y.	15,743	3.16	4.00	1.00	2.00	0.00	2.35	0.00	55				
1570	1.5 C.Y.	22,739	4.56	5.78	1.45	2.89	0.00	3.39	0.00	81				
1575	2.0 C.Y.	28,023	5.63	7.13	1.79	3.57	0.00	4.19	0.00	99				
1580	2.5 C.Y.	31,548	6.34	8.03	2.02	4.02	0.00	4.72	0.00	115				
1585	3.0 C.Y.	34,407	6.91	8.75	2.20	4.38	0.00	5.14	0.00	127				
1590	3.5 C.Y.	37,143	7.46	9.45	2.38	4.73	0.00	5.55	0.00	141				
1595	4.0 C.Y.	39,558	7.94	10.06	2.53	5.04	0.00	5.91	0.00	150				
1600	4.5 C.Y.	41,243	8.28	10.49	2.63	5.25	0.00	6.16	0.00	160				
1605	5.0 C.Y.	44,850	9.00	11.40	2.87	5.71	0.00	6.70	0.00	173				
1610	5.5 C.Y.	47,695	9.57	12.13	3.05	6.07	0.00	7.13	0.00	185				
1615	6.0 C.Y.	50,315	10.10	12.80	3.22	6.41	0.00	7.52	0.00	195				
1620	6.5 C.Y.	53,187	10.68	13.53	3.40	6.77	0.00	7.95	0.00	208				
1625	7.0 C.Y.	55,309	11.10	14.07	3.53	7.04	0.00	8.27	0.00	218				
1630	7.5 C.Y.	58,123	11.67	14.78	3.71	7.40	0.00	8.68	0.00	229				
BUCKETS, CONCRETE - GAR-BRO														

GENERAL PURPOSE & MANUAL														
1640	433-G 1.0 C.Y.	1,538	0.30		0.10	0.19	0.00			6				
1645	442-G 1.5 C.Y.	1,922	0.37		0.12	0.23	0.00			8				
1650	462-G 2.0 C.Y.	2,486	0.49		0.16	0.31	0.00			11				
1655	493-G 3.0 C.Y.	3,507	0.69		0.22	0.43	0.00			19				
1660	4123-G 4.0 C.Y.	4,399	0.86		0.28	0.54	0.00			23				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	COND.	SEVERE OWNER-SHIP	COND.				
BUCKETS, CONCRETE - GAR-BRO (CONT'D) *****												
LOW SLUMP - AIR OPERATED GATE												
1670	440-A 1.0 C.Y.	6,382	1.26		0.41	0.79	0.00		19			
1675	450-A 1.5 C.Y.	6,633	1.31		0.42	0.82	0.00		21			
1680	460-A 2.0 C.Y.	6,890	1.36		0.44	0.85	0.00		23			
1685	493-A 3.0 C.Y.	9,038	1.78		0.58	1.12	0.00		42			
1690	4139-A 4.0 C.Y.	9,399	1.86		0.61	1.17	0.00		52			
1695	4200-A 6.0 C.Y. DBL. COMPT.	13,579	2.68		0.87	1.68	0.00		72			
1700	4250-A 8.0 C.Y. DBL. COMPT.	16,249	3.20		1.04	2.01	0.00		80			
LAYDOWN - HEAVY DUTY - AIR GATE												
1710	425-A 1.0 C.Y.	7,213	1.42		0.46	0.89	0.00		26			
1715	465-A 2.0 C.Y.	8,054	1.59		0.52	1.00	0.00		31			
1720	495-A 3.0 C.Y.	9,334	1.84		0.60	1.15	0.00		40			
1725	4125-A 4.0 C.Y.	10,387	2.05		0.67	1.29	0.00		49			
1730	4155-A 5.0 C.Y.	12,163	2.40		0.78	1.51	0.00		60			
BUCKETS, DRAGLINE *****												
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED												
1745	.75 C.Y.	3,419	0.69	0.87	0.22	0.44	0.00	0.51	0.00			
1750	1.0 C.Y.	4,057	0.81	1.04	0.26	0.51	0.00	0.61	0.00			
1755	1.5 C.Y.	4,954	0.99	1.26	0.32	0.63	0.00	0.74	0.00			
1760	2.0 C.Y.	5,850	1.17	1.49	0.37	0.74	0.00	0.88	0.00			
1765	2.5 C.Y.	6,872	1.37	1.75	0.44	0.87	0.00	1.03	0.00			
1770	3.0 C.Y.	8,475	1.70	2.16	0.54	1.08	0.00	1.27	0.00			
1775	3.5 C.Y.	9,371	1.88	2.38	0.60	1.19	0.00	1.40	0.00			
1780	4.0 C.Y.	11,418	2.30	2.91	0.73	1.46	0.00	1.71	0.00			
1785	4.5 C.Y.	12,121	2.44	3.08	0.78	1.55	0.00	1.81	0.00			
1790	5.0 C.Y.	14,634	2.94	3.73	0.94	1.87	0.00	2.19	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.	15,861	3.18	4.03	1.02	2.02	0.00	2.37	0.00	90
1800	7.0 C.Y.	17,342	3.48	4.41	1.11	2.21	0.00	2.59	0.00	101
1805	8.0 C.Y.	19,226	3.86	4.89	1.23	2.45	0.00	2.87	0.00	112
1810	9.0 C.Y.	22,205	4.46	5.65	1.42	2.83	0.00	3.32	0.00	128
1815	10.0 C.Y.	24,133	4.84	6.14	1.54	3.07	0.00	3.61	0.00	139
1820	12.0 C.Y.	29,665	5.96	7.55	1.90	3.78	0.00	4.44	0.00	166
1825	14.0 C.Y.	34,109	6.84	8.68	2.18	4.34	0.00	5.10	0.00	191
	HENDRIX - MODEL TS, MEDIUM WEIGHT									
1835	.75 C.Y.	3,985	0.80	1.01	0.26	0.51	0.00	0.59	0.00	17
1840	1.0 C.Y.	4,901	0.98	1.24	0.31	0.62	0.00	0.73	0.00	19
1845	1.5 C.Y.	6,041	1.21	1.53	0.39	0.77	0.00	0.90	0.00	28
1850	2.0 C.Y.	7,203	1.45	1.84	0.46	0.92	0.00	1.08	0.00	36
1855	2.5 C.Y.	8,304	1.66	2.11	0.53	1.05	0.00	1.24	0.00	41
1860	3.0 C.Y.	9,929	1.99	2.52	0.63	1.26	0.00	1.48	0.00	49
1865	3.5 C.Y.	10,965	2.21	2.79	0.70	1.40	0.00	1.64	0.00	54
1870	4.0 C.Y.	13,162	2.64	3.35	0.84	1.67	0.00	1.97	0.00	70
1875	4.5 C.Y.	14,077	2.82	3.59	0.90	1.79	0.00	2.11	0.00	72
1880	5.0 C.Y.	18,044	3.62	4.59	1.15	2.30	0.00	2.70	0.00	93
1885	6.0 C.Y.	18,647	3.75	4.75	1.20	2.38	0.00	2.79	0.00	96
1890	7.0 C.Y.	21,284	4.27	5.41	1.36	2.71	0.00	3.18	0.00	111
1895	8.0 C.Y.	23,433	4.70	5.96	1.50	2.98	0.00	3.50	0.00	122
1900	9.0 C.Y.	28,050	5.63	7.14	1.79	3.57	0.00	4.20	0.00	149
1905	10.0 C.Y.	29,872	6.00	7.60	1.91	3.81	0.00	4.47	0.00	159
1910	12.0 C.Y.	38,073	7.65	9.68	2.44	4.85	0.00	5.69	0.00	202
1915	14.0 C.Y.	42,394	8.51	10.78	2.71	5.40	0.00	6.33	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.	15,928	3.20	4.05	1.02	2.03	0.00	2.38	0.00	69				
1930	3.0 C.Y.	16,566	3.33	4.21	1.06	2.11	0.00	2.47	0.00	72				
1935	3.5 C.Y.	18,548	3.72	4.72	1.18	2.36	0.00	2.77	0.00	81				
1940	4.0 C.Y.	24,808	4.98	6.30	1.59	3.16	0.00	3.70	0.00	110				
1945	4.5 C.Y.	27,735	5.57	7.05	1.77	3.53	0.00	4.14	0.00	123				
1950	5.0 C.Y.	28,641	5.74	7.28	1.83	3.64	0.00	4.28	0.00	127				
1955	6.0 C.Y.	30,671	6.15	7.80	1.96	3.90	0.00	4.58	0.00	136				
1960	7.0 C.Y.	38,994	7.83	9.92	2.50	4.97	0.00	5.83	0.00	175				
1965	8.0 C.Y.	40,105	8.04	10.20	2.56	5.10	0.00	5.99	0.00	180				
1970	9.0 C.Y.	51,001	10.23	12.97	3.26	6.49	0.00	7.62	0.00	234				
1975	10.0 C.Y.	52,822	10.61	13.43	3.38	6.73	0.00	7.89	0.00	243				
1980	12.0 C.Y.	62,824	12.60	15.98	4.01	7.99	0.00	9.39	0.00	289				
1985	14.0 C.Y.	67,175	13.48	17.09	4.29	8.55	0.00	10.04	0.00	309				
SAUERMAN - CRESCENT SCRAPER														
WITH DRAGLINE CONVERSION KIT														
1995	SC-1050-K 1.0 C.Y.	9,662	1.94	2.45	0.62	1.23	0.00	1.44	0.00	15				
2000	SC-1060-K 1.5 C.Y.	12,374	2.49	3.15	0.79	1.58	0.00	1.85	0.00	20				
2005	SC-1070-K 2.0 C.Y.	16,962	3.40	4.31	1.08	2.15	0.00	2.53	0.00	25				
2010	SC-1090-K 3.0 C.Y.	22,436	4.51	5.70	1.44	2.86	0.00	3.35	0.00	36				
2015	SC-1100-K 4.0 C.Y.	33,539	6.73	8.54	2.14	4.27	0.00	5.02	0.00	49				
2020	SC-1110-K 5.0 C.Y.	38,241	7.67	9.72	2.44	4.86	0.00	5.71	0.00	58				
2025	SC-1120-K 6.0 C.Y.	46,350	9.30	11.79	2.96	5.90	0.00	6.93	0.00	68				
2030	SC-1130-K 8.0 C.Y.	56,310	11.29	14.32	3.59	7.16	0.00	8.41	0.00	88				
2035	SC-1140-K 10.0 C.Y.	68,322	13.72	17.38	4.37	8.70	0.00	10.21	0.00	106				
2040	SC-1150-K 12.0 C.Y.	79,257	15.91	20.16	5.07	10.09	0.00	11.85	0.00	132				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				OWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.	
COMPACTORS, MANUALLY OPERATED *****										
2050	UR-12 INGERSOLL-RAND RAMMER	3 HP G	1,698	1.06			0.14	0.30	0.32	1
2055	GVR75Y WACKER RAMMER	3 HP G	1,337	0.93			0.11	0.24	0.32	1
2060	GVR100 WACKER RAMMER	5 HP G	1,814	1.37			0.14	0.32	0.53	1
2065	GVR151Y WACKER RAMMER	5 HP G	2,348	1.58			0.19	0.42	0.53	2
2070	GVR220Y WACKER RAMMER	6 HP G	3,034	1.97			0.24	0.54	0.63	2
2075	VPG160B WACKER VIBRO PLATE	3 HP G	1,174	0.85			0.09	0.20	0.32	2
2080	VPG260K WACKER VIBRO PLATE	7 HP G	1,838	1.64			0.15	0.33	0.74	3
2085	BT-50 BOMAG TAMPING	4 HP G	1,763	1.21			0.14	0.31	0.42	1
2090	BT-70 BOMAG TAMPING	4 HP G	2,197	1.38			0.17	0.39	0.42	2
2095	BP-11K BOMAG VIBRO PLATE	4 HP G	1,506	1.11			0.12	0.27	0.42	3
2100	BP-19/75 BOMAG VIBRO PLATE	5 HP D	3,125	1.54			0.25	0.56	0.25	4
2105	BP-30 BOMAG VIBRO PLATE	5 HP D	5,362	2.41			0.43	0.96	0.25	5
2110	BP-50 BOMAG VIBRO PLATE	5 HP D	9,369	3.99			0.75	1.68	0.25	9
2115	BW-75E BOMAG WALK BEHIND S/D	5 HP D	7,243	3.14			0.58	1.29	0.25	10
2120	BW-35 BOMAG WALK BEHIND D/D	4 HP D	8,996	3.78			0.72	1.61	0.20	11
2125	BW-60SE BOMAG D/D ROLLER	8 HP D	12,460	5.38			0.99	2.22	0.40	20
2130	BW-90SE BOMAG D/D ROLLER	13 HP D	15,445	6.86			1.23	2.76	0.65	30
2135	VPG600 WACKER VIBRO PLATE	9 HP G	3,454	2.54			0.28	0.62	0.95	7
2140	DPS2350 WACKER VIBRO PLATE	7 HP D	3,654	1.86			0.29	0.65	0.35	4
2145	DPS4570 WACKER VIBRO PLATE	10 HP D	5,863	2.91			0.46	1.04	0.50	8
2150	DVU4001 WACKER VIBRO PLATE	10 HP D	12,001	5.32			0.96	2.14	0.50	13
2155	W 55 T WACKER D/D ROLLER	8 HP D	11,543	5.02			0.92	2.06	0.40	17
2160	W 74 T WACKER D/D ROLLER	8 HP D	13,024	5.61			1.04	2.33	0.40	19
CONCRETE BUGGIES - AEROIL *****										
2170	5 CF WALK-BEHIND	5 HP G	1,758	1.09			0.14	0.30	0.41	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. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL			
			AVERAGE	SEVERE							
CONCRETE FINISHERS - BOMAG *****											
2180	MOD F46B4 GYRO TROWEL	7 HP G	1,448	1.21		0.12	0.25	0.58		2	
2185	MOD RF2B4 DOUBL TROWEL	16 HP G	5,715	3.53		0.45	0.98	1.32		7	
2190	MOD RF3B3 TRIPLTROWEL	16 HP G	7,369	4.04		0.58	1.26	1.32		9	
CONCRETE MIXERS *****											
2200	PORTABLE CONCRETE MIXER 2.5 CF	1 HP E	670	0.30		0.05	0.10	0.07		2	
2205	PORTABLE CONCRETE MIXER 3.5 CF	1 HP E	687	0.30		0.05	0.10	0.07		3	
2210	PORTABLE CONCRETE MIXER 6.0 CF	7 HP G	2,062	1.40		0.16	0.34	0.58		7	
2215	PORTABLE MORTAR MIXER 6.0 CF	7 HP G	1,652	1.27		0.13	0.27	0.58		6	
CONCRETE PAVERS *****											
CMI											
2225	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIAN, AND SIDEWALKS	142 HP D	131,086	35.09		8.39	16.20	5.07		263	
2230	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP D	233,554	60.47		14.96	28.86	7.43		470	
2235	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	411,689	101.25		26.36	50.87	8.93		720	
GOMACO											
2245	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP G	26,701	12.41		1.71	3.28	4.98		91	
2250	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	119,430	30.63		7.65	14.76	3.57		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	24,983	7.37		1.74	3.56	0.63		45	
2265	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP D	28,299	8.80		1.98	4.06	1.05		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.	OWNERSHIP	FUEL	
	CONCRETE PLACERS, SHOTCRETE (CONT'D) *****								
	ALLEN TOWN (CONT'D)								
2270	GR600 ROTARY GUN 1-6 CY/HR INCL. HOSE, REQ. 550 CFM COMP.	550CFM A	8,241	2.36	0.57	1.16	0.00		9
2275	GR1200 ROTARY GUN 4-12 CY/HR INCL. HOSE, REQ. 770 CFM COMP.	770CFM A	16,251	4.58	1.13	2.31	0.00		18
	CHALLENGE SQUEEZ-CRETE								
2285	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP D	44,094	15.78	3.08	6.35	3.26		70
	CONCRETE PUMPS *****								
	MORGEN								
2295	MOD 204-305 TRAILER MTD 60 CY/HR 100 HP D	100 HP D	56,986	21.73	3.99	8.21	5.26		70
2300	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	120 CY/HR 210 HP D	143,216	55.20	9.99	20.54	13.64		255
	SCHWING								
2310	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	67 HP D	44,943	16.35	3.14	6.47	3.53		66
2315	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	152 HP D	70,305	28.73	4.90	10.06	8.00		98
2320	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	152 HP D	72,237	29.23	5.03	10.33	8.00		98
2325	MOD BP 3000 TRAILER MTD 127 CY/HR 177 HP D	177 HP D	95,667	37.11	6.68	13.76	9.32		130
2330	MOD BP 5000 TRAILER MTD 151 CY/HR 300 HP D	300 HP D	122,870	52.55	8.58	17.68	15.79		150
2335	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	175 HP D	151,726	54.60	10.55	21.60	11.37		302
2340	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	175 HP D	220,995	72.84	15.39	31.58	11.37		321
2345	MOD BPL1200 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	239 HP D	276,179	92.75	19.22	39.45	15.53		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 COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CONCRETE SAWS *****														
FELKER (SAWBLADE WEAR NOT INCLUDED)														
2355	MOD 8KCC	5" DEPTH OF CUT 8 HP G	1,690	1.56		0.12	0.25	0.84		3				
2360	MOD 12WCC	5" DEPTH OF CUT 12 HP G	1,883	2.18		0.14	0.28	1.27		3				
2365	MOD 14TOC	5" DEPTH OF CUT 14 HP G	1,936	2.46		0.14	0.28	1.48		3				
2370	MOD 140MR	8" DEPTH OF CUT 14 HP G	4,121	3.04		0.29	0.60	1.48		6				
2375	MOD 185MR	8" DEPTH OF CUT 18 HP G	5,243	3.89		0.37	0.76	1.90		7				
2380	MOD 250MR	8" DEPTH OF CUT 23 HP G	5,315	4.61		0.37	0.77	2.43		7				
2385	MOD 30MCA	10" DEPTH OF CUT 30 HP G	8,486	6.41		0.59	1.22	3.17		12				
2390	MOD 665MCA	15" DEPTH OF CUT 65 HP G	11,444	12.07		0.80	1.65	6.86		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)		197,847	37.46	45.69	11.90	21.67	2.62	24.40	3.32				
	MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES													
2405	DRAGLINE OR CLAMSHELL (LESS BUCKET)		274,762	45.80	53.84	15.44	26.30	3.21	28.64	4.07				
2410	CRANE 35-T W/65' BOOM		276,482	42.34	48.69	15.53	26.46	2.57	28.81	3.32				
	MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES													
2420	CRANE 50-T W/75' BOOM		301,340	45.87	52.72	16.93	28.84	2.57	31.41	3.32				
	MOD 5299-A LIFTING CRANE T/C 114 HP D 17'-6" CRAWLERS W/32" SHOES													
2430	CRANE 60-T W/80' BOOM		316,735	48.05	55.21	17.79	30.31	2.57	33.01	3.32				
										1088				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****												
AMERICAN - CRAWLER TYPE (CONT'D)												
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES											
2440	DRAGLINE OR CLAMSHELL (LESS BUCKET)	375,733	63.06	74.15	21.11	35.96	4.74	39.16	6.00 1278			
2445	CRANE 40-T W/75' BOOM	367,766	56.77	65.35	20.67	35.20	3.79	38.32	4.90 1262			
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES											
2455	CRANE 60-T W/80' BOOM	389,686	55.66	62.74	20.87	33.70	3.79	35.95	4.90 1421			
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES											
2465	CRANE 100T W/200' BOOM	481,976	67.76	76.18	25.81	41.69	3.79	44.46	4.90 1886			
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES											
2475	CRANE 110-T W/200' BOOM	632,122	90.70	102.28	33.86	54.68	6.47	58.32	8.36 2792			
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES											
2485	CRANE 125T W/270' BOOM	669,071	95.55	107.66	35.84	57.88	6.47	61.73	8.36 3150			
2490	DRAGLINE OR CLAMSHELL (LESS BUCKET)	635,155	98.74	113.51	34.03	54.95	8.09	58.60	10.25 2950			
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES											
2500	CRANE 150T W/280' BOOM	737,525	104.52	117.63	39.51	63.80	6.47	68.04	8.36 3400			
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES											
2510	CRANE 165T W/290' BOOM	775,241	106.70	118.83	40.51	63.49	6.47	67.06	8.36 3580			
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES											
2520	CRANE 225T W/280' BOOM	829,117	113.56	126.37	43.32	67.90	6.47	71.72	8.36 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	SEVERE	OWNER-SHIP	FUEL	
			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)	209,508	40.27	49.16	12.59	22.94	3.24	25.84	4.11	647
2540	CRANE 28-T W/50' BOOM	214,110	33.51	38.64	12.03	20.49	2.59	22.31	3.35	651
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES									
2550	BACKHOE	271,437	62.37	79.20	17.39	33.48	4.74	39.10	6.23	792
2555	DRAGLINE OR CLAMSHELL (LESS BUCKET)	302,172	51.01	60.02	16.98	28.93	4.06	31.50	5.14	833
2560	CRANE 35-T W/60' BOOM	303,735	47.03	54.16	17.06	29.07	3.25	31.65	4.20	831
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES									
2570	SHOVEL	385,530	87.52	111.11	24.69	47.55	5.86	55.54	7.70	1279
2575	DRAGLINE OR CLAMSHELL (LESS BUCKET)	395,532	66.41	78.10	22.22	37.86	5.02	41.22	6.36	1192
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES									
2585	SHOVEL	551,803	114.43	139.87	32.93	62.00	6.74	70.12	8.86	1762
2590	BACKHOE	528,039	109.85	134.32	31.51	59.33	6.74	67.11	8.86	1727
2595	DRAGLINE OR CLAMSHELL (LESS BUCKET)	546,235	83.47	95.80	29.26	47.25	5.78	50.40	7.32	1570
2600	CRANE 51-T W/70' BOOM	534,275	75.64	85.10	28.62	46.22	4.62	49.29	5.97	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	672,056	94.74	106.54	36.00	58.14	5.48	62.01	7.08	2123
2615	DRAGLINE OR CLAMSHELL (LESS BUCKET)	642,469	98.25	112.75	34.42	55.58	6.85	59.27	8.68	1973
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2625	SHOVEL	664,950	137.85	168.51	39.68	74.71	8.09	84.50	10.64	2096
2630	BACKHOE	628,901	130.91	160.08	37.53	70.66	8.09	79.92	10.64	2000

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	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)	596,611	91.94	105.59	31.96	51.61	6.94	55.04	8.79	1820	
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES										
2645	SHOVEL	944,333	190.32	226.54	53.53	96.17	12.01	106.10	15.78	2822	
2650	DRAGLINE OR CLAMSHELL (LESS BUCKET)	777,293	117.92	134.15	40.61	63.65	10.29	67.24	13.04	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	200,566	31.46	36.30	11.27	19.20	2.48	20.91	3.21	772	
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES										
2675	CRANE 60-T W/80' BOOM	319,958	46.46	52.48	17.14	27.68	3.72	29.52	4.81	1232	
	MOD LS-338 LIFTING CRANE T/C 170 HP D 20'-0" CRAWLERS W/38" SHOES										
2685	CRANE 100-T W/200' BOOM	448,281	63.41	71.34	24.01	38.78	3.84	41.36	4.95	1512	
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W/44" SHOES										
2695	CRANE 150-T W/250' BOOM	677,060	95.45	107.33	36.27	58.57	5.53	62.46	7.14	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)	444,595	72.08	83.21	23.81	38.46	8.09	41.02	10.25	2306	
2715	CRANE 100T W/210' BOOM	481,422	70.96	80.33	25.79	41.64	6.47	44.42	8.36	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 OWNER-SHIP	SEVERE OWNER-SHIP	FUEL		
			AVERAGE	SEVERE						
	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)	566,215	89.54	103.12	30.33	48.98	8.46	52.24	10.72	2763
2730	CRANE 140T W/250' BOOM	573,468	83.39	94.19	30.72	49.61	6.77	52.90	8.74	2815
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
2740	DRAGLINE OR CLAMSHELL (LESS BUCKET)	753,088	117.75	135.45	40.34	65.15	10.15	69.48	12.86	3788
2745	CRANE 200T W/260' BOOM	762,150	107.09	119.65	39.82	62.42	8.12	65.93	10.49	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	1,191,608	170.85	191.47	62.27	97.59	15.45	103.08	19.96	5200
2760	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,211,763	187.92	214.26	63.32	99.24	19.32	104.82	24.47	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)	279,798	50.77	60.05	15.72	26.78	6.71	29.16	8.50	954
2780	CRANE 45-T W/60' BOOM	276,666	45.73	53.07	15.55	26.48	5.37	28.83	6.94	947
	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
2790	SHOVEL	472,592	109.05	138.51	30.27	58.29	8.65	68.08	11.37	1510
2795	DRAGLINE OR CLAMSHELL (LESS BUCKET)	401,547	70.21	82.81	22.56	38.43	7.42	41.85	9.39	1274
2800	CRANE 40-T W/50' BOOM	397,414	63.56	73.47	22.33	38.04	5.93	41.42	7.66	1267
	MOD 9570 4.0 CY T/C 263 HP D 19'-0" CRAWLERS W/38" SHOES									
2810	DRAGLINE OR CLAMSHELL (LESS BUCKET)	469,750	74.77	86.16	25.16	40.63	7.42	43.34	9.39	1580
2815	CRANE 60-T W/50' BOOM	465,627	68.24	77.18	24.94	40.28	5.93	42.96	7.66	1565

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	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	778,439	164.19	200.97	46.45	87.46	11.78	98.93	15.48	2571
2830	DRAGLINE OR CLAMSHELL (LESS BUCKET)	697,992	109.98	126.60	37.39	60.38	10.10	64.40	12.79	2365
2835	CRANE 97.5-T W/170' BOOM	721,157	104.34	117.78	38.63	62.38	8.08	66.53	10.43	2464
	MOD 190-D WT SERIES 3 T/C 456 HP D 21'-1" CRAWLERS W/54" SHOES									
2845	DRAGLINE 6.5 CY (LESS BUCKET)	711,524	112.22	128.20	37.18	58.27	12.86	61.55	16.29	2740
2850	CRANE 100-T W/170' BOOM	737,673	109.19	123.67	39.51	63.81	10.29	68.06	13.29	2872
	P & H - CRAWLER TYPE									
	MOD 5060 1.75 CY T/C 140 HP D 19'-8" CRAWLERS W/30" SHOES									
2865	DRAGLINE (LESS BUCKET)	307,217	51.64	60.73	17.26	29.40	3.95	32.01	5.00	989
2870	CRANE 60-T W/80' BOOM	312,664	44.81	50.53	16.74	27.04	3.16	28.85	4.08	1157
	MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES									
2880	DRAGLINE OR CLAMSHELL (LESS BUCKET)	383,514	65.25	76.81	21.54	36.70	5.58	39.97	7.07	1344
2885	CRANE 70-T W/150' BOOM	393,496	57.00	64.36	21.08	34.04	4.47	36.30	5.77	1466
	MOD 5100 3 CY T/C 236 HP D 21'-6" CRAWLERS W/36" SHOES									
2890	DRAGLINE OR CLAMSHELL (LESS BUCKET)	461,609	72.70	83.69	24.73	39.93	6.66	42.59	8.43	1775
2895	CRANE 100-T W/210' BOOM	478,207	69.13	78.05	25.61	41.36	5.32	44.12	6.88	1850
	MOD 5300A LIFTING CRANE T/C 378 HP D 32'-8" CRAWLERS W/48" SHOES									
2900	CRANE 300-T W/320' BOOM	1,432,798	192.98	214.11	74.87	117.35	8.53	123.94	11.01	5588

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.	SEVERE COND.	OWNERSHIP				
CRANES, HYDRAULIC SELF-PROPELLED *****													
GROVE													
2910	MOD RT58A	14 TON	112 HP D	110,745	21.39		5.97	10.17	4.00	410			
2915	MOD RT515	15 TON	115 HP D	118,786	22.66		6.41	10.92	4.11	418			
2920	MOD RT518	18 TON	115 HP D	134,336	25.07		7.23	12.30	4.11	452			
2925	MOD RT522	22 TON	115 HP D	147,028	26.90		7.93	13.49	4.11	498			
2930	MOD RT625	25 TON	156 HP D	195,549	35.30		10.55	17.97	5.57	560			
2935	MOD RT740	40 TON	170 HP D	271,976	47.99		14.63	24.85	6.07	758			
2940	MOD RT755	55 TON	170 HP D	323,993	55.88		17.41	29.52	6.07	839			
2945	MOD RT865	65 TON	208 HP D	398,858	68.37		21.47	36.49	7.43	1100			
2950	MOD RT980	80 TON	230 HP D	515,004	86.95		27.67	46.93	8.22	1320			
2955	MOD RT1650	165 TON	512 HP D	972,114	166.83		52.32	88.93	18.29	2400			
LORAIN													
2965	MOD LRT150	15 TON	114 HP D	113,154	21.58		6.13	10.49	4.07	438			
2970	MOD LRT180	18 TON	121 HP D	121,942	23.14		6.60	11.31	4.32	450			
2975	MOD LRT330	33 TON	180 HP D	189,542	36.19		10.21	17.36	6.43	570			
P & H													
2985	MOD OMEGA 15	15 TON	125 HP D	114,765	22.32		6.21	10.64	4.46	364			
2990	MOD OMEGA 18	18 TON	125 HP D	118,004	22.78		6.39	10.95	4.46	370			
2995	MOD OMEGA 20	20 TON	125 HP D	122,131	23.35		6.61	11.33	4.46	380			
3000	MOD OMEGA 23	23 TON	125 HP D	139,448	26.05		7.53	12.85	4.46	425			
3005	MOD OMEGA 25	25 TON	155 HP D	178,392	33.17		9.63	16.42	5.54	540			
3010	MOD OMEGA 30	30 TON	155 HP D	183,660	33.91		9.92	16.92	5.54	550			
3015	MOD OMEGA 35	35 TON	155 HP D	189,892	34.78		10.25	17.50	5.54	560			
3020	MOD OMEGA 40	40 TON	202 HP D	255,085	47.10		13.71	23.26	7.22	760			
3025	MOD OMEGA 45	45 TON	202 HP D	264,050	48.36		14.19	24.10	7.22	770			
3030	MOD OMEGA 50	50 TON	202 HP D	273,903	49.75		14.73	25.03	7.22	780			
3035	MOD OMEGA 65	65 TON	235 HP D	352,293	63.06		18.92	32.10	8.39	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	SEVERE	OWNER-SHIP	AVERAGE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	SEVERE COND.					
CRANES, HYD SELF-PROPELLED (CONT'D) *****														
PETTIBONE														
3045	MOD 16 MK P SERIES	8 TON	118 HP D	101,937	20.12		5.52	9.46	4.21	290				
3050	MOD 20 MK P SERIES	10 TON	118 HP D	105,556	20.69		5.71	9.77	4.21	310				
3055	MOD 25 MK P SERIES	12.5 TON	118 HP D	109,933	21.31		5.95	10.19	4.21	465				
3060	MOD 36 MK P SERIES	18 TON	118 HP D	126,886	23.97		6.85	11.68	4.21	500				
3065	MOD 100SC	50 TON	188 HP D	285,956	50.80		15.39	26.17	6.72	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	206,056	33.64	38.79	10.80	17.87	6.11	19.11				
3080	60-XC	60 TON W/104' BOOM	197/238 HP D/D	357,464	55.72	64.02	18.77	31.12	8.69	33.28				
GROVE														
3090	TMS185	18 TON W/106' BOOM	172 HP D	197,248	34.96	41.34	10.90	19.09	6.14	20.84				
3095	TMS300	35 TON W/112' BOOM	203 HP D	238,203	39.18	45.56	12.48	20.65	7.25	22.09				
3100	TMS475	50 TON W/142' BOOM	213 HP D	296,648	46.85	54.18	15.56	25.78	7.61	27.57				
3105	TM875	80 TON W/146' BOOM	196/268 HP D/D	439,147	65.78	74.76	22.36	35.78	8.87	37.87				
3110	TM1150	115 TON W/172' BOOM	196/315 HP D/D	675,978	94.66	106.58	34.51	55.41	9.19	58.67				
3115	TM1400	140 TON W/173' BOOM	318/387 HP D/D	794,163	112.94	126.91	40.47	61.33	14.05	64.25				
LINK BELT (FMC)														
3125	HTC-25	25 TON W/95' BOOM	216 HP D	195,114	36.88	43.92	10.77	18.84	7.72	20.58				
3130	HTC-35	35 TON W/108' BOOM	216 HP D	228,662	38.42	44.81	12.00	19.89	7.72	21.27				
3135	HTC-50	50 TON W/122' BOOM	244 HP D	278,907	45.96	53.46	14.64	24.26	8.72	25.95				
PETTIBONE														
3145	50TKLSPC 25 TON W/98' BOOM	210 HP D	201,609	37.39	44.45	11.14	19.51	7.50	21.32	9.87				
3150	80TKLS 40 TON W/112' BOOM	244 HP D	256,800	43.30	50.51	13.47	22.30	8.72	23.84	11.47				
3155	110 TK P 55 TON W/114' BOOM	238 HP D	277,464	45.58	53.01	14.56	24.12	8.50	25.79	11.19				
										830				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT				
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL	SEVERE OWNER-SHIP	COND. FUEL					
CRANES, HYDRAULIC TRUCK MTD (CONT'D)													
***** (HP & FUEL LISTED EQUIP/CARRIER)													
PETTIBONE (CONT'D)													
3160	160TKLSPC80 TON W/118' BOOM	365 HP D	449,754	72.31	83.43	22.92	36.67	13.04	38.81	17.15	1395		
CRANES, TRUCK MOUNTED													
***** (HP & FUEL LISTED EQUIP/CARRIER)													
AMERICAN													
3170	5470 65 TON W/170' BOOM	115/238 HP D/D	377,614	55.02	62.60	19.78	32.70	5.76	34.96	7.34	1175		
3175	5530 75 TON W/170' BOOM	115/238 HP D/D	389,114	55.26	62.27	19.86	31.85	5.76	33.71	7.34	1245		
3180	7460 90 TON W/200' BOOM	213/230 HP D/D	477,735	70.25	79.72	24.40	39.19	9.21	41.49	11.88	1503		
3185	7530 125 TON W/220' BOOM	213/350 HP D/D	546,572	79.90	90.47	27.90	44.78	10.04	47.42	12.85	1696		
3190	8460 165 TON W/240' BOOM	268/350 HP D/D	764,557	106.11	118.79	39.01	59.26	12.01	62.10	15.44	2320		
3195	9460 220 TON W/260' BOOM	287/450 HP D/D	1,027,492	140.62	157.01	52.32	79.19	13.38	82.95	17.14	3480		
LINK BELT (PMC)													
3205	HC108C 50 TON W/150' BOOM	110/238 HP D/D	343,138	50.55	57.56	17.96	29.67	5.59	31.72	7.10	1197		
3210	HC218A 100 TON W/220' BOOM	165/318 HP D/D	523,971	74.58	84.07	26.76	42.98	8.11	45.50	10.34	1688		
3215	HC238A 140 TON W/230' BOOM	171/318 HP D/D	611,757	83.59	93.26	31.19	47.32	8.32	49.58	10.62	2220		
LORAIN													
3225	MC670A 70 TON W/170' BOOM	150/250 HP D/D	396,980	57.89	65.50	20.26	32.50	7.10	34.40	9.08	1243		
3230	MC790 90 TON W/220' BOOM	210/270 HP D/D	485,555	71.55	81.15	24.78	39.79	9.38	42.12	12.06	1594		
3235	MC1400 140 TON W/230' BOOM	220/290 HP D/D	592,083	83.24	93.33	30.18	45.77	9.88	47.96	12.69	1950		
P & H													
3245	325TC 25 TON W/110' BOOM	83/190 HP D/D	246,984	39.17	45.48	13.65	23.90	4.29	26.11	5.44	645		
3250	430ATC 35 TON W/150' BOOM	86/210 HP D/D	276,721	40.41	45.94	14.53	24.09	4.53	25.76	5.75	763		
3255	440TC 40 TON W/170' BOOM	90/228 HP D/D	309,711	44.97	51.10	16.25	26.92	4.80	28.79	6.08	964		
3260	650ATC 50 TON W/150' BOOM	135/236 HP D/D	399,307	58.58	66.73	20.92	34.60	6.46	36.99	8.26	1222		
3265	670TC 70 TON W/180' BOOM	135/255 HP D/D	438,164	62.21	70.12	22.37	35.91	6.60	38.01	8.42	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	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
CRANES, TRUCK MOUNTED (CONT'D)													
(HP & FUEL LISTED EQUIP/CARRIER)													
P & H (CONT'D)													
3270	790BTC	90 TON W/200' BOOM	160/350 HP D/D	491,164	70.86	79.99	25.06	40.19	8.15	42.54	10.36	1606	
3275	9115	125 TON W/220' BOOM	179/350 HP D/D	600,499	84.88	95.58	30.67	49.26	8.83	52.14	11.25	1709	
3280	9150	150 TON W/270' BOOM	210/350 HP D/D	636,562	88.53	99.05	32.46	49.26	9.94	51.61	12.71	1805	
3285	6250TC	300 TON W/320' BOOM	364/450 HP D/D	1,393,531	185.83	206.80	71.13	108.11	16.13	113.29	20.76	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		277,327	49.11			15.34	23.27	5.13		740		
OPT. 14'9-1/4" S16 TOWER SECT													
3300	ADD TO BASIC CRANE FOR EA SECT		11,782	1.55			0.65	0.99	0.00		51		
3305	TOP CLIMBING OPT. ADD TO BASIC		44,235	5.82			2.45	3.72	0.00		118		
MODEL SK200 FREE STANDING				105 HP E									
10600# @ 143' RADIUS (L-2)													
3310	7-S16 TOWER SECTS=103 FT HIGH		348,391	64.22			19.28	29.23	8.98		883		
14'9-1/4" S16 TOWER SECTION													
3315	ADD TO BASIC CRANE FOR EA SECT		11,782	1.55			0.65	0.99	0.00		51		
3320	TOP CLIMBING OPT. ADD TO BASIC		44,235	5.82			2.45	3.72	0.00		118		
MODEL SK400 FREE STANDING				105 HP E									
18500# @ 162' RADIUS (L-2)													
3325	6-S35 TOWER SECTS=116 FT HIGH		425,907	74.41			23.57	35.74	8.98		1216		
OPT. 19'4-1/4" S35 TOWER SECT.													
3330	ADD TO BASIC CRANE FOR EA SECT		14,759	1.94			0.82	1.24	0.00		84		
3335	TOP CLIMBING OPT. ADD TO BASIC		45,033	5.92			2.49	3.78	0.00		223		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL OWNER-SHIP	SEVERE COND. 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	492,799	90.89		27.27	41.35	14.11		1547			
	OPT. 19'4-1/4" S213 TOWER SECT											
3345	ADD TO BASIC CRANE FOR EA SECT	15,660	2.06		0.87	1.32	0.00		100			
3350	TOP CLIMBING OPT. ADD TO BASIC	87,082	11.44		4.82	7.31	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	519,963	94.45		28.77	43.63	14.11		2152			
	OPT. 19'4-1/4" SN35 TOWER SECT											
3360	ADD TO BASIC CRANE FOR EA SECT	14,759	1.94		0.82	1.24	0.00		84			
3365	TOP CLIMBING OPT. ADD TO BASIC	91,781	12.06		5.08	7.70	0.00		159			
DRILLS, BLAST HOLE, CRAWLER MID												

GARDNER DENVER												
3375	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	70,998	16.17		4.55	8.80	0.00		91			
3380	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	66,846	15.27		4.29	8.29	0.00		93			
3385	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	73,805	16.77		4.72	9.14	0.00		95			
3390	AT3700A/PR66 ANGLE DRILL 4.0" HOLE 12' FEED	900CFM A	89,837	20.29		5.75	11.13	0.00	146			
3395	ATD5100/PR80H ANGLE DRILL 4.5" HOLE 20' FEED	1200CFM A	99,797	22.50		6.39	12.37	0.00	200			
INGERSOLL-RAND												
3405	ECM350/VL140 3.5" HOLE 12' FEED 750CFM A	78,899	17.88		5.06	9.78	0.00		129			
3410	ECM350/VL671 4.0" HOLE 12' FEED 900CFM A	86,038	19.47		5.51	10.66	0.00		131			
3415	ECM 450Y 3.0" HOLE 12' FEED 100 HP D	120,055	31.46		7.69	14.88	4.42		188			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE	COND.	SEVERE	COND.	
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	DRILLS, BLAST HOLE, CRLR MTD (CONT'D)									

	JOY-SULLIVAN									
3425	MAVRICK/VCR350 2.5" HOLE 12' FEED 450CFM A	39,465	9.05			2.53	4.89	0.00		60
3430	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	69,792	15.91			4.47	8.65	0.00		100
3435	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	82,076	18.57			5.26	10.17	0.00		144
3440	MUSTANG VCR280 5.0" HOLE 20' FEED1200CFM A	101,440	22.86			6.50	12.57	0.00		184
3445	STALLION JH-6 5.5" HOLE 20' FEED 165 HP D	218,880	56.40			14.01	27.12	7.29		300
	DRILLS, CORE, AIR, COLUMN MOUNTED									

3455	LONGYEAR 24 WOLVERINE AX 700' 450CFM A	17,975	4.20			1.15	2.23	0.00		12
3460	LONGYEAR 65D EX 600' 400CFM A	11,550	2.81			0.74	1.43	0.00		3
3465	65D ROD PULLER 21" STROKE 400CFM A	1,718	0.63			0.12	0.22	0.00		1
	DRILLS, CORE, SKID MOUNTED									

	ACKER									
3475	TEREDO MARK-II NX 1000' MAX 44 HP D	30,277	8.96			1.94	3.75	1.94		40
3480	ACE MODEL C NX 725' MAX 20 HP D	20,558	5.54			1.32	2.55	0.88		45
	LONGYEAR									
3490	MOD 24 STD AX 675' MAX 12 HP G	17,114	5.01			1.09	2.12	1.13		17
3495	MOD 34 NX 1000' MAX 31 HP G	26,019	9.02			1.67	3.23	2.91		38
3500	MOD 34 NX 1000' MAX 40 HP D	31,020	8.91			1.99	3.85	1.77		39
3505	MOD 38 NX 1800' MAX 54 HP D	35,693	10.68			2.28	4.42	2.39		41
3510	MOD 44 NX 2500' MAX 60 HP D	42,820	12.56			2.75	5.31	2.65		56
	SPRAGUE AND HENWOOD									
3520	MOD 37-H NX 400' MAX 18 HP G	18,047	5.87			1.16	2.24	1.69		18
3525	MOD 40-CL NX 1050' MAX 49 HP D	27,947	8.72			1.79	3.46	2.16		27

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															
DRILLS, ROTARY																			

INGERSOLL-RAND																			
3535	MOD DM-25 6 3/4" DRILLMASTER CRWL. MOUNTED	210 HP D	249,037	52.07		13.97	23.91	9.28		500									
3540	MOD T4-EH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	327,829	71.22		18.33	31.24	13.43		550									
3545	MOD TH-60 WATER WELL DRILL TRK. MOUNTED	435 HP D	304,897	75.27		17.06	29.11	19.22		460									
JOY-ROBBINS																			
3555	RRT 35 TK MTD 6-1/4" TO 7-7/8"	225 HP D	297,693	61.64		16.63	28.34	9.94		600									
3560	RRT 50 TK MTD 6-3/4" TO 9-0"	335 HP D	454,398	93.39		25.40	43.29	14.80		860									
3565	RRT 60 TK MTD 6-3/4" TO 9-7/8"	350 HP D	483,344	98.88		27.02	46.07	15.46		960									
3570	RR10S MTD ON D9H 6-3/4" - 9-0"	410 HP D	345,004	79.39		19.35	33.13	18.11		1160									
3575	RR10HD ON D9H 6-3/4" - 10-5/8"	410 HP D	381,271	85.11		21.39	36.61	18.11		1340									
3580	RR10XHD ON 41B 9-7/8" - 12-1/4"	524 HP D	576,225	104.48		30.02	47.28	23.15		1830									
3585	RR12E CRLR MTD 9-0" TO 12-1"	725/450 HP E/E	1,065,940	184.42		55.54	87.46	48.21		2605									
FORK LIFTS																			

CATERPILLAR																			
LC = LOAD CENTER																			
3605	M20 ELECT 2000# @ 24" LC	18 HP E	16,222	5.45		1.04	1.98	1.54		54									
3610	M25 ELECT 2500# @ 24" LC	18 HP E	16,310	5.47		1.04	1.98	1.54		54									
3615	MC30 ELECT 3000# @ 24" LC	18 HP E	17,039	5.61		1.08	2.06	1.54		85									
3620	M40B ELECT 4000# @ 24" LC	32 HP E	23,615	8.66		1.50	2.87	2.74		95									
3625	M50B ELECT 5000# @ 24" LC	32 HP E	24,080	8.75		1.54	2.93	2.74		102									
3630	MC60B ELECT 6000# @ 24" LC	47 HP E	26,477	11.08		1.68	3.22	4.02		123									
3635	M70B ELECT 7000# @ 24" LC	53 HP E	32,867	13.09		2.08	3.98	4.53		134									
3640	M80B ELECT 8000# @ 24" LC	53 HP E	34,380	13.40		2.19	4.19	4.53		142									
3645	M100B ELECT 10000# @ 24" LC	53 HP E	36,260	13.75		2.31	4.43	4.53		160									
3650	V30D GAS 3000# @ 24" LC	37 HP G	15,624	6.60		1.00	1.91	2.83		37									

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

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

CATERPILLAR (CONT'D)													
3655	V40C GAS	4000# @ 24" LC	48 HP G	20,817	8.69		1.32	2.51	3.67	41			
3660	V50C GAS	5000# @ 24" LC	48 HP G	21,249	8.81		1.34	2.53	3.67	45			
3665	V60E GAS	6000# @ 24" LC	63 HP G	29,415	11.82		1.87	3.56	4.82	52			
3670	V70E GAS	7000# @ 24" LC	63 HP G	29,736	11.89		1.89	3.61	4.82	56			
3675	V80E GAS	8000# @ 24" LC	63 HP G	30,921	12.12		1.97	3.75	4.82	59			
3680	V110 GAS	11000# @ 24" LC	66 HP G	44,501	15.11		2.83	5.40	5.05	82			
3685	V150 DIESEL	15000# @ 24" LC	70 HP D	47,910	12.62		3.05	5.82	2.50	92			
3690	V180B DIESEL	18000# @ 24" LC	125 HP D	63,487	18.21		4.01	7.62	4.46	114			
3695	V200B DIESEL	20000# @ 24" LC	125 HP D	69,161	19.33		4.38	8.32	4.46	124			
3700	V250B DIESEL	25000# @ 24" LC	125 HP D	70,950	19.67		4.50	8.57	4.46	154			
3705	V300B DIESEL	30000# @ 24" LC	125 HP D	79,653	21.44		5.03	9.55	4.46	165			
3710	R40 DIESEL	4000# @ 24" LC	68 HP D	27,653	8.53		1.74	3.31	2.43	107			
3715	R50 DIESEL	5000# @ 24" LC	68 HP D	28,321	8.67		1.79	3.40	2.43	112			
3720	R60 DIESEL	6000# @ 24" LC	68 HP D	34,274	9.85		2.18	4.14	2.43	128			
3725	R80 DIESEL	8000# @ 24" LC	68 HP D	35,579	10.12		2.25	4.27	2.43	138			
HYSTER - CHALLENGER													
3735	H30XL 3000# @ 24" LC		63 HP G	16,055	9.20		1.01	1.92	4.82	58			
3740	H60XL 6000# @ 24" LC		80 HP G	23,136	12.21		1.46	2.79	6.12	91			
3745	H110F 11000# @ 24" LC		116 HP G	45,591	20.06		2.90	5.55	8.88	163			
3750	H150H 15000# @ 24" LC		127 HP G	62,252	24.49		3.93	7.46	9.72	234			
3755	H200HS20000# @ 24" LC		PS 127 HP G	72,714	26.56		4.61	8.76	9.72	256			
3760	H250H 25000# @ 24" LC		PS 127 HP G	72,899	26.62		4.60	8.74	9.72	295			
3765	H300B 30000# @ 24" LC		PS 127 HP G	78,932	27.78		5.00	9.53	9.72	360			
3770	H460CS46000# @ 36" LC		PS 190 HP G	162,705	50.49		10.31	19.64	14.55	590			

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				
GENERATOR SETS, ELECTRIC												

CATERPILLAR												
T = TURBOCHARGED												
TA = TURBOCHARGED AFTER COOLED												
SKID MOUNTED												
3785	MOD 3304B-T	240/480V 100 KW	148 HP D	16,840	10.42	13.21	1.18	2.51	5.29	2.78	6.96	37
3790	MOD 3306B-T	240/480V 125 KW	187 HP D	22,076	13.35	16.90	1.55	3.30	6.68	3.64	8.79	46
3795	MOD 3306B-TA	240/480V 150 KW	220 HP D	23,809	15.21	19.29	1.67	3.55	7.86	3.93	10.34	48
3800	MOD 3406B-T	240/480V 200 KW	290 HP D	25,553	18.71	23.85	1.79	3.81	10.36	4.22	13.63	57
3805	MOD 3406B-TA	240/480V 250 KW	370 HP D	29,247	23.09	29.50	2.05	4.36	13.22	4.82	17.39	59
3810	MOD 3408B-T	240/480V 255 KW	370 HP D	34,722	24.35	31.00	2.44	5.18	13.22	5.73	17.39	77
3815	MOD 3408B-TA	240/480V 310 KW	450 HP D	38,734	28.81	36.75	2.72	5.78	16.07	6.39	21.15	81
3820	MOD 3412B-T	240/480V 355 KW	500 HP D	46,838	32.89	41.87	3.29	6.99	17.86	7.73	23.50	91
3825	MOD 3412B-TA	240/480V 455 KW	650 HP D	63,619	43.37	55.16	4.47	9.49	23.22	10.49	30.55	102
3830	MOD 3508	240/480V 600 KW	845 HP D	84,795	56.86	72.28	5.95	12.65	30.18	13.99	39.71	140
3835	MOD 3512	240/480V 900 KW	1250 HP D	115,329	81.80	104.19	8.09	17.20	44.65	19.03	58.75	202
3840	MOD 3516	480V 1100 KW	1450 HP D	151,476	98.95	125.67	10.63	22.60	51.79	24.99	68.15	256
KOHLER												
3850	2.25MMB25	PORTABLE 2.25 KW	5 HP G	685	0.62	0.80	0.05	0.10	0.38	0.11	0.50	1
3855	3.5MM65	PORTABLE 3.50 KW	8 HP G	1,080	1.01	1.29	0.08	0.16	0.61	0.18	0.80	2
3860	5MM65	PORTABLE 5.00 KW	12 HP G	1,401	1.46	1.87	0.10	0.21	0.92	0.23	1.20	2
ONAN												
SKID MOUNTED												
3875		120/240V 2.5 KW	6 HP G	1,453	0.90	1.13	0.10	0.21	0.46	0.23	0.60	2
3880		120/240V 6.5 KW	14 HP G	3,271	2.07	2.63	0.23	0.48	1.07	0.54	1.40	3
3885		120/240V 10.0 KW	20 HP G	3,575	2.73	3.45	0.26	0.54	1.53	0.59	2.00	4
3890		120/240V 3.0 KW	6 HP D	3,786	1.13	1.38	0.27	0.57	0.21	0.63	0.28	4
3895		120/240V 6.0 KW	12 HP D	5,025	1.68	2.07	0.35	0.75	0.43	0.83	0.56	5
3900		120/240V 12.0 KW	22 HP D	7,233	2.64	3.24	0.51	1.08	0.79	1.19	1.03	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	SEVERE	AVERAGE COND.	SEVERE COND.								
					OWNER-SHIP	FUEL		OWNER-SHIP								
GENERATOR SETS, ELECTRIC (CONT'D) *****																
ONAN (CONT'D)																
3905	120/240V 15 KW	27 HP D	7,417	2.88	3.58	0.52	1.10	0.96	1.22	1.27						
3910	120/240V 30 KW	63 HP D	11,000	5.31	6.65	0.77	1.64	2.25	1.81	2.96						
3915	120/240V 45 KW	87 HP D	14,545	7.19	9.02	1.02	2.17	3.11	2.40	4.09						
3920	120/240V 60 KW	102 HP D	16,716	8.34	10.47	1.17	2.49	3.64	2.75	4.79						
3925	120/240V 75 KW	162 HP D	19,891	11.74	14.85	1.40	2.97	5.79	3.29	7.61						
3930	120/240V 90 KW	162 HP D	20,840	11.96	15.10	1.46	3.11	5.79	3.44	7.61						
3935	120/240V 125 KW	210 HP D	24,122	14.83	18.79	1.70	3.60	7.50	3.98	9.87						
3940	120/240V 150 KW	276 HP D	28,587	18.78	23.84	2.00	4.26	9.86	4.71	12.97						
OVERLOAD																
3950	KP2250R PORTABLE	2.25 KW	5 HP G	901	0.67	0.87	0.06	0.13	0.38	0.15						
3955	KP3000BC PORTABLE	3.00 KW	7 HP G	983	0.89	1.13	0.07	0.14	0.54	0.16						
3960	KP3750BIC PORTABLE	3.75 KW	8 HP G	1,381	1.08	1.37	0.10	0.21	0.61	0.23						
3965	KP5000BIC PORTABLE	5.00 KW	10 HP G	1,746	1.35	1.72	0.13	0.26	0.77	0.29						
3970	KP6500BICB PORTABLE	6.50 KW	16 HP G	1,833	1.93	2.48	0.13	0.27	1.22	0.30						
3975	KP7500BICB PORTABLE	7.50 KW	16 HP G	1,734	1.91	2.46	0.13	0.26	1.22	0.29						
GRADERS, MOTOR *****																
CATERPILLAR																
3990	MOD 120-G POWER SHIFT ARTIC	125 HP D	101,467	21.98	27.28	6.10	10.66	4.11	11.94	5.40						
3995	MOD 130-G POWER SHIFT ARTIC	135 HP D	115,494	24.68	30.59	6.96	12.17	4.44	13.62	5.84						
4000	MOD 12-G POWER SHIFT ARTIC	135 HP D	125,013	26.22	32.47	7.53	13.17	4.44	14.74	5.84						
4005	MOD 140-G POWER SHIFT ARTIC	150 HP D	127,255	27.27	33.83	7.66	13.38	4.93	14.97	6.49						
4010	MOD 14-G POWER SHIFT ARTIC	180 HP D	178,852	37.21	46.11	10.72	18.63	5.92	20.84	7.78						
4015	MOD 16-G POWER SHIFT ARTIC	250 HP D	255,687	52.96	65.63	15.31	26.57	8.22	29.73	10.81						

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 OWNERSHIP	FUEL	SEVERE OWNERSHIP				
GRADERS, MOTOR (CONT'D) *****													
CHAMPION													
4025	MOD 710A	ARTICULATED	125 HP D	98,752	21.57	26.79	5.94	10.36	4.11	11.60	5.40	296	
4030	MOD 715A	ARTICULATED	144 HP D	112,296	24.60	30.58	6.75	11.78	4.74	13.20	6.23	306	
4035	MOD 720A	ARTICULATED	148 HP D	119,083	25.91	32.19	7.16	12.48	4.87	13.97	6.40	340	
4040	MOD 740A	ARTICULATED	181 HP D	129,521	28.99	36.06	7.80	13.63	5.95	15.26	7.83	355	
4045	MOD 710	NON-ARTICULATED	125 HP D	92,864	20.63	25.65	5.58	9.73	4.11	10.89	5.40	280	
4050	MOD 715	NON-ARTICULATED	144 HP D	102,843	23.09	28.74	6.17	10.77	4.74	12.07	6.23	285	
4055	MOD 720	NON-ARTICULATED	148 HP D	108,715	24.25	30.17	6.53	11.37	4.87	12.73	6.40	315	
4060	MOD 740	NON-ARTICULATED	181 HP D	118,664	27.29	34.02	7.13	12.44	5.95	13.92	7.83	330	
4065	MOD 760	NON-ARTICULATED	230 HP D	149,444	34.72	43.31	8.94	15.49	7.57	17.33	9.95	390	
FIAT-ALLIS													
4075	MOD-65B	DIRECT DRIVE	68 HP D	54,629	11.82	14.67	3.30	5.78	2.24	6.47	2.94	135	
4080	MOD-FG75	POWER SHIFT	130 HP D	79,593	18.72	23.36	4.77	8.31	4.28	9.30	5.62	300	
4085	MOD-FG85	POWER SHIFT	145 HP D	87,665	20.71	25.85	5.26	9.15	4.77	10.24	6.27	310	
4090	MOD-FG95	POWER SHIFT	160 HP D	92,002	22.21	27.77	5.50	9.52	5.26	10.64	6.92	330	
GALION													
4100	MOD 503-L	CONSTANT MESH	68 HP G	46,489	13.29	16.63	2.80	4.91	4.81	5.50	6.23	115	
4105	MOD T-500C	POWER SHIFT	145 HP D	100,211	22.67	28.21	6.03	10.53	4.77	11.80	6.27	281	
4110	MOD A-600	POWER SHIFT	186 HP D	124,658	28.44	35.40	7.50	13.10	6.12	14.66	8.04	321	
HOISTS *****													
BEEBE - AIR TUGGERS													
4120	2000P110-24	1.0 T 225 CFM RQD		6,004	1.36		0.39	0.75	0.00		5		
4125	5000P120-24	2.5 T 500 CFM RQD		9,609	2.19		0.62	1.19	0.00		16		
4130	10000P 50-24	5.0 T 500 CFM RQD		11,624	2.71		0.74	1.43	0.00		22		
4135	20000P 50-40	10.0 T 850 CFM RQD		30,101	6.67		1.93	3.72	0.00		55		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
HOISTS (CONT'D) *****													
SKAGIT													
4145	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	70,899	19.19			4.55	8.76	3.57	85			
4150	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	95,822	24.37			6.14	11.83	3.57	126			
4155	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	147,289	36.40			9.43	18.18	4.64	240			
4160	RB-90WDOUBLE DRUM W/1-3/8" CABLE	150 HP D	164,144	40.82			10.51	20.27	5.36	300			
HYDRAULIC EXCAVATOR, CRAWLER MOUNTED *****													
T/B = TELESCOPING BOOM B/H = BACKHOE													
AMERICAN													
4175	MOD 185	1.00 CY B/H 103 HP D	112,399	30.81	41.39	7.84	15.62	3.39	19.24	4.45			
4180	MOD 25A	1.38 CY B/H 185 HP D	188,499	46.67	59.41	12.08	23.25	6.09	27.16	8.00			
4185	MOD 480	2.00 CY B/H 300 HP D	279,792	70.26	89.49	17.92	34.51	9.87	40.31	12.97			
4190	MOD 680	4.00 CY B/H 456 HP D	446,018	104.14	128.39	26.61	50.11	15.00	56.69	19.72			
BADGER (HOPTO)													
4200	MOD 211	1.25 CY B/H 160 HP D	161,494	40.03	50.98	10.34	19.92	5.26	23.27	6.92			
4205	MOD 311	1.88 CY B/H 235 HP D	231,674	57.66	73.40	14.84	28.58	7.73	33.37	10.16			
4210	MOD 900B	2.00 CY B/H 308 HP D	279,295	66.12	81.57	16.67	31.38	10.13	35.49	13.32			
4215	MOD 1900	5.00 CY B/H 616 HP D	582,814	136.90	168.82	34.78	65.48	20.27	74.07	26.64			
BUCYRUS ERIE													
4225	MOD 300-H	1.00 CY B/H 176 HP D	180,018	49.83	66.96	12.55	25.01	5.79	30.82	7.61			
4230	MOD 325-H	1.75 CY B/H 205 HP D	248,469	59.96	76.28	15.91	30.64	6.74	35.79	8.86			
4235	MOD 350-H	2.50 CY B/H 248 HP D	312,741	75.08	95.49	20.03	38.57	8.16	45.05	10.72			
4240	MOD 400-H	4.25 CY B/H 392 HP D	523,746	116.54	143.19	31.25	58.84	12.90	66.56	16.95			
CASE													
4250	MOD 880C "E" BOOM .63 CY	B/H 125 HP D	105,021	30.08	40.39	7.32	14.59	4.11	17.98	5.40			
4255	MOD 980B	1.00 CY B/H 165 HP D	131,199	37.98	50.99	9.15	18.23	5.43	22.46	7.13			
										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				
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	152,965	39.83	50.80	9.79	18.86	6.58	22.04	8.65	505		
CATERPILLAR													
4270	MOD 215	.75 CY B/H 90 HP D	126,714	33.54	45.11	8.84	17.61	2.96	21.69	3.89	387		
4275	MOD 225	1.00 CY B/H 135 HP D	157,206	42.67	57.36	10.97	21.85	4.44	26.91	5.84	504		
4280	MOD 235	1.50 CY B/H 195 HP D	282,963	66.78	84.88	18.12	34.90	6.42	40.76	8.43	891		
4285	MOD 245	2.50 CY B/H 325 HP D	440,813	104.87	133.34	28.23	54.37	10.69	63.51	14.05	1385		
GRADALL													
4300	MOD G-660	.63 CY T/B 115 HP D	159,371	42.27	56.85	11.12	22.15	3.78	27.29	4.97	450		
4305	MOD G-880B	.75 CY T/B 160 HP D	195,679	52.74	70.92	13.65	27.19	5.26	33.50	6.92	533		
4310	MOD G-1000	1.25 CY T/B 272 HP D	268,355	66.76	85.02	17.18	33.09	8.95	38.66	11.76	787		
INSLEY													
4325	MOD H1000C	1.25 CY B/H 180 HP D	149,593	38.34	48.87	9.59	18.46	5.92	21.55	7.78	517		
4330	MOD H2500C	2.25 CY B/H 290 HP D	269,341	67.69	86.23	17.25	33.22	9.54	38.81	12.54	931		
4335	MOD H3500C	3.50 CY B/H 390 HP D	378,588	88.51	109.12	22.59	42.53	12.83	48.11	16.86	1276		
JOHN DEERE													
4345	MOD 690 B	.875 CY B/H 131 HP D	116,141	32.95	44.23	8.10	16.14	4.31	19.88	5.66	430		
4350	MOD 890 A	.50 CY B/H 210 HP D	241,707	58.75	74.78	15.48	29.81	6.91	34.83	9.08	880		
4355	MOD 990	1.875 CY B/H 260 HP D	273,276	67.31	85.69	17.50	33.70	8.55	39.36	11.24	910		
KOEHRING													
4365	MOD 166 BANTAM	.88 CY B/H 108 HP D	117,626	32.23	43.33	8.20	16.34	3.55	20.14	4.67	374		
4370	MOD 266 BANTAM	1.13 CY B/H 143 HP D	156,594	42.89	57.64	10.92	21.76	4.70	26.81	6.18	514		
4375	MOD 366 BANTAM	1.25 CY B/H 210 HP D	188,112	47.56	60.61	12.05	23.20	6.91	27.10	9.08	612		
4380	MOD 566	1.50 CY B/H 240 HP D	274,042	66.70	84.87	17.56	33.80	7.90	39.48	10.38	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	341,184	83.36	106.08	21.85	42.08	10.10	49.16	13.27	1075		
4390	MOD 866E	3.25 CY	B/H	332 HP D	438,619	97.74	120.11	26.17	49.28	10.92	55.74	14.36	1306		
4395	MOD 1066E	4.00 CY	B/H	420 HP D	545,098	121.77	149.67	32.52	61.24	13.82	69.28	18.16	1640		
4400	MOD 1166E	5.00 CY	B/H	464 HP D	607,183	135.49	166.49	36.23	68.22	15.27	77.16	20.06	1890		
4405	MOD 1266	5.50 CY	B/H	664 HP D	883,653	191.23	229.27	50.08	89.98	21.85	99.28	28.71	2600		
4410	MOD 1466	9.00 CY	B/H	832 HP D	1,031,691	225.59	270.72	58.47	105.06	27.37	115.91	35.98	2900		
UNIT															
4425	MOD H202CT SER II	1.25 CY	B/H	152 HP D	147,878	41.27	55.44	10.31	20.55	5.00	25.31	6.57	475		
4430	MOD H342	1.63 CY	B/H	228 HP D	238,812	58.87	74.94	15.30	29.46	7.50	34.41	9.86	723		
4435	MOD H471	1.75 CY	B/H	304 HP D	295,564	73.72	93.87	18.93	36.46	10.00	42.58	13.14	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	165,174	32.11	38.32	9.12	15.94	7.12	17.41	9.32	422		
4450	MOD G-880	.75 CY	T/B	160/210 HP D/D	215,510	38.86	45.78	11.91	20.85	7.18	22.78	9.23	530		
4455	MOD G-1000	1.25 CY	T/B	272/312 HP D/D	294,762	52.02	60.64	15.47	25.63	11.89	27.40	15.32	724		
LAND CLEARING EQUIPMENT															
***** (ADD TO TRACTOR)															
4465	FLECO LAND CLEARING RAKE FOR	123/235	D/G		18,721	3.99	5.00	1.20	2.32	0.00	2.70	0.00	67		
4470	FLECO LAND CLEARING RAKE FOR	160/210	D/D		24,594	5.23	6.57	1.58	3.05	0.00	3.56	0.00	98		
4475	FLECO LAND CLEARING RAKE FOR	272/312	D/D		36,488	7.72	9.72	2.34	4.51	0.00	5.28	0.00	138		
4480	FLECO CLAMP RAKE FOR CAT 973 (ADD TO 977 LOADER)				18,769	4.12	5.16	1.20	2.32	0.00	2.72	0.00	58		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	FUEL	SEVERE OWNER-SHIP	FUEL				
LIGHTING SETS, TRAILER MOUNTED *****												
ALLMAND METALLIC VAPOR												
4490	MAXI-LITE III 4/1000W	15 HP D	13,705	5.47		0.95	1.87	0.70	29			
OVER-LOWE METALLIC VAPOR												
4500	TM 352 2/1000W	3 KW	6 HP D	10,865	3.99	0.75	1.48	0.28	17			
4505	TM 354 4/1000W	6 KW	12 HP D	14,358	5.52	0.99	1.96	0.56	22			
4510	TM 356 6/1000W	8 KW	15 HP D	16,902	6.55	1.17	2.32	0.70	24			
LOADERS, BELT *****												
KOLMAN												
4520	101XHD 24"X50' 355 T/HR	28 HP D	29,574	8.25	10.75	1.86	3.39	1.00	3.92	1.32	116	
OPTIONAL EQUIPMENT SELECT AS NEEDED												
4530	PLATE FEEDER DOZER TRAP MODEL 45		5,385	1.16	1.46	0.35	0.65	0.00	0.75	0.00	37	
4535	BELT FEEDER DOZER TRAP MODEL 65		6,631	1.42	1.80	0.42	0.79	0.00	0.92	0.00	36	
4540	WING WALLS STATIONARY		1,244	0.27	0.34	0.08	0.15	0.00	0.18	0.00	9	
4545	TUNNEL EXTENSION W/WING WALLS		6,114	1.31	1.66	0.39	0.73	0.00	0.85	0.00	61	
4550	SINGLE DECK SCREEN SB-70 7'X42		5,273	1.13	1.44	0.34	0.63	0.00	0.74	0.00	19	
4555	DOUBLE DECK SCREEN DC-70-42 7'X42		6,436	1.38	1.75	0.41	0.77	0.00	0.90	0.00	27	
4560	TRIPLE DECK SCREEN TC-70-42 7'X42		9,339	2.01	2.54	0.60	1.12	0.00	1.30	0.00	34	
4565	XHD CONVEYOR JACKLEG		849	0.18	0.23	0.06	0.10	0.00	0.12	0.00	9	
4570	101XHD 30"X50' 615 T/HR	42 HP D	32,010	9.56	12.49	2.01	3.65	1.50	4.23	1.97	135	
OPTIONAL EQUIPMENT SELECT AS NEEDED												
4580	PLATE FEEDER DOZER TRAP MODEL 45		6,379	1.37	1.73	0.41	0.76	0.00	0.89	0.00	42	
4585	BELT FEEDER DOZER TRAP MODEL 65		7,028	1.51	1.91	0.45	0.84	0.00	0.98	0.00	40	
4590	WING WALLS STATIONARY		1,244	0.27	0.34	0.08	0.15	0.00	0.18	0.00	9	
4595	TUNNEL EXTENSION W/WING WALLS		6,114	1.31	1.66	0.39	0.73	0.00	0.85	0.00	61	
4600	SINGLE DECK SCREEN SB-80 8'X48		6,015	1.29	1.64	0.38	0.72	0.00	0.84	0.00	23	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL				
LOADERS, BELT (CONT'D) *****												
KOLMAN (CONT'D)												
4605	DOUBLE DECK SCREEN DC-80-48 8'X48	8,356	1.80	2.27	0.54	1.00	0.00	1.16	0.00	35		
4610	TRIPLE DECK SCREEN TC-80-48 8'X48	10,451	2.25	2.84	0.67	1.25	0.00	1.46	0.00	43		
4615	XHD CONVEYOR JACKLEG	849	0.18	0.23	0.06	0.10	0.00	0.12	0.00	9		
4620	101XHD 36"X50' 910 T/HR 56 HP D	36,810	11.46	15.06	2.30	4.16	2.00	4.82	2.63	160		
OPTIONAL EQUIPMENT SELECT AS NEEDED												
4630	PLATE FEEDER DOZER TRAP MODEL 45	6,753	1.45	1.83	0.44	0.81	0.00	0.94	0.00	45		
4635	BELT FEEDER DOZER TRAP MODEL 65	7,521	1.62	2.04	0.48	0.90	0.00	1.05	0.00	42		
4640	WING WALLS STATIONARY	1,244	0.27	0.34	0.08	0.15	0.00	0.18	0.00	9		
4645	TUNNEL EXTENSION W/WING WALLS	6,114	1.31	1.66	0.39	0.73	0.00	0.85	0.00	61		
4650	SINGLE DECK SCREEN SB-90 9'X54	6,976	1.50	1.90	0.45	0.84	0.00	0.98	0.00	28		
4655	DOUBLE DECK SCREEN DC-90-54 9'X54	9,993	2.15	2.72	0.65	1.20	0.00	1.40	0.00	43		
4660	TRIPLE DECK SCREEN TC-90-54 9'X54	12,823	2.76	3.49	0.83	1.54	0.00	1.79	0.00	54		
4665	XHD CONVEYOR JACKLEG	849	0.18	0.23	0.06	0.10	0.00	0.12	0.00	9		
4670	101XHD 42"X50' 1260 T/HR 84 HP D	47,524	15.46	20.36	2.97	5.36	3.00	6.21	3.95	180		
OPTIONAL EQUIPMENT SELECT AS NEEDED												
4680	PLATE FEEDER DOZER TRAP MODEL 45	7,893	1.69	2.14	0.51	0.94	0.00	1.10	0.00	48		
4685	BELT FEEDER DOZER TRAP MODEL 65	10,296	2.21	2.79	0.66	1.23	0.00	1.43	0.00	45		
4690	WING WALLS STATIONARY	1,244	0.27	0.34	0.08	0.15	0.00	0.18	0.00	9		
4695	TUNNEL EXTENSION W/WING WALLS	6,114	1.31	1.66	0.39	0.73	0.00	0.85	0.00	61		
4700	SINGLE DECK SCREEN SB-100 60"X10'	9,010	1.94	2.44	0.58	1.08	0.00	1.25	0.00	37		
4705	DOUBLE DECK SCREEN DC-100 60"X10'	11,548	2.49	3.14	0.75	1.39	0.00	1.61	0.00	55		
4710	TRIPLE DECK SCREEN TC-100 60"X10'	17,824	3.83	4.84	1.14	2.13	0.00	2.48	0.00	68		
4715	XHD CONVEYOR JACKLEG	849	0.18	0.23	0.06	0.10	0.00	0.12	0.00	9		
4720	101XHD 48"X50' 1700 T/HR 128 HP D	83,547	25.41	33.10	5.27	9.60	4.57	11.12	6.02	265		
OPTIONAL EQUIPMENT SELECT AS NEEDED												
4730	PLATE FEEDER DOZER TRAP MODEL 45	11,449	2.46	3.10	0.73	1.37	0.00	1.59	0.00	51		
4735	WING WALLS STATIONARY	1,244	0.27	0.34	0.08	0.15	0.00	0.18	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	AVERAGE OWNER-SHIP	FUEL	OWNER-SHIP									
			AVERAGE	SEVERE													
LOADERS, BELT (CONT'D) *****																	
KOLMAN (CONT'D)																	
4740	TUNNEL EXTENSION W/WING WALLS	6,479	1.40	1.76	0.42	0.78	0.00	0.90	0.00	66							
4745	SINGLE DECK SCREEN SB-120 60"X12"	10,644	2.29	2.90	0.69	1.28	0.00	1.49	0.00	53							
4750	DOUBLE DECK SCREEN DC-120 60"X12"	15,628	3.36	4.25	1.00	1.87	0.00	2.18	0.00	77							
4755	TRIPLE DECK SCREEN TC-120 60"X12"	22,028	4.74	5.98	1.42	2.64	0.00	3.07	0.00	80							
4760	XHD CONVEYOR JACKLEG	849	0.18	0.23	0.06	0.10	0.00	0.12	0.00	9							
4765	303 48"X50' 2000 CY/HR	125 HP D	146,544	41.29	54.22	9.18	16.62	4.46	19.22	5.87	627						
4770	303 48"X60' 2000 CY/HR	185 HP D	162,938	47.64	62.44	10.23	18.56	6.61	21.49	8.69	662						
4775	303 60"X50' 3600 CY/HR	185 HP D	168,338	50.52	66.86	10.50	18.91	6.61	21.86	8.69	682						
4780	303 60"X60' 3600 CY/HR	290 HP D	193,810	61.90	82.03	12.08	21.75	10.36	25.14	13.63	737						
4785	404 48"X50' 2000 CY/HR	185 HP D	181,015	51.46	67.20	11.40	20.75	6.61	24.03	8.69	616						
4790	404 48"X60' 2000 CY/HR	185 HP D	191,265	53.73	70.13	12.04	21.95	6.61	25.43	8.69	650						
4795	404 60"X50' 3600 CY/HR	290 HP D	217,007	65.78	86.40	13.62	24.73	10.36	28.63	13.63	671						
4800	404 60"X60' 3600 CY/HR	290 HP D	240,099	71.86	94.60	15.06	27.30	10.36	31.59	13.63	724						
OPTIONAL EQUIPMENT SELECT AS NEEDED																	
4810	SINGLE DECK SCREEN SB-120 72"X12"		13,859	2.98	3.76	0.89	1.66	0.00	1.93	0.00	58						
4815	DOUBLE DECK SCREEN DC-120 72"X12"		18,236	3.92	4.95	1.17	2.18	0.00	2.54	0.00	85						
4820	TRIPLE DECK SCREEN TC-120 72"X12"		20,860	4.48	5.66	1.34	2.49	0.00	2.90	0.00	90						
4825	SINGLE DECK VIBRATING GRIZZLE 72"W		20,935	4.50	5.69	1.35	2.51	0.00	2.92	0.00	89						
LOADERS, FRONT END, CRAWLER TYPE *****																	
CASE																	
4835	350 B 3/4 CY	39 HP D	40,080	12.24	15.30	2.57	4.96	1.50	5.80	1.98	105						
4840	450 B 1 CY	53 HP D	50,111	15.54	19.43	3.21	6.20	2.04	7.25	2.69	138						
4845	850C 1-1/2 CY	78 HP D	67,385	21.24	26.60	4.31	8.33	3.01	9.75	3.96	211						
4850	1150 C 1-3/4 CY	105 HP D	91,471	28.80	36.05	5.86	11.32	4.05	13.23	5.33	250						
4855	1450 B 2-1/4 CY	140 HP D	108,431	34.97	43.82	6.95	13.42	5.40	15.68	7.11	310						

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL				
LOADERS, F.E., CRAWLER TYPE (CONT'D) *****												
CATERPILLAR												
4865	931B	1 CY	65 HP D	44,903	14.85	18.63	2.87	5.55	2.51	6.49	3.30	171
4870	943	1-1/2 CY	80 HP D	79,914	24.53	30.66	5.12	9.89	3.08	11.55	4.06	255
4875	953	2 CY	110 HP D	100,090	31.25	39.09	6.41	12.39	4.24	14.47	5.58	300
4880	963	2-1/2 CY	150 HP D	131,813	41.43	51.84	8.44	16.31	5.78	19.06	7.61	394
4885	973	3-3/4 CY	210 HP D	197,004	61.15	76.49	12.61	24.37	8.09	28.48	10.66	534
FIAT-ALLIS												
4895	FL5	1 CY	63 HP D	42,230	14.06	17.66	2.70	5.22	2.43	6.10	3.20	165
4900	FL7	1-1/4 CY	78 HP D	49,883	16.81	21.10	3.19	6.17	3.01	7.21	3.96	198
4905	FL9	1-5/8 CY	87 HP D	60,069	19.86	24.94	3.85	7.43	3.35	8.69	4.42	272
4910	FL10C	2 CY	122 HP D	77,672	26.20	32.90	4.98	9.61	4.70	11.23	6.19	310
4915	FL14C	2-5/8 CY	150 HP D	102,114	33.90	42.52	6.54	12.64	5.78	14.76	7.61	410
4920	FL20	3-1/2 CY	223 HP D	146,337	49.00	61.52	9.37	18.11	8.59	21.16	11.32	605
INTERNATIONAL												
4930	100-E	1-1/8 CY	65 HP D	51,866	16.62	20.82	3.32	6.42	2.51	7.50	3.30	161
4935	125-E	1-3/8 CY	78 HP D	62,094	19.90	24.94	3.98	7.68	3.01	8.98	3.96	199
4940	175-C	2 CY	130 HP D	99,071	32.05	40.19	6.34	12.26	5.01	14.33	6.60	338
4945	250-C	2-3/4 CY	190 HP D	144,839	46.85	58.72	9.27	17.92	7.32	20.94	9.64	452
JOHN DEERE												
4955	JD350-C	3/4 CY	42 HP D	38,494	12.01	15.02	2.47	4.76	1.62	5.57	2.13	119
4960	JD455-D	1-1/4 CY	67 HP D	50,947	16.49	20.67	3.27	6.31	2.58	7.37	3.40	172
4965	JD555-A	1-3/8 CY	78 HP D	62,908	20.12	25.19	4.03	7.79	3.01	9.10	3.96	188
KOMATSU												
4975	D31S-17	1.3 CY	66 HP D	45,263	15.00	18.81	2.90	5.60	2.54	6.54	3.35	156
4980	D41S-3	1.6 CY	90 HP D	62,287	20.60	25.85	3.99	7.71	3.47	9.01	4.57	262
4985	D53S-16	1.8 CY	110 HP D	81,026	26.42	33.11	5.19	10.03	4.24	11.71	5.58	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. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL											
			AVERAGE	SEVERE															
LOADERS, P.E., CRAWLER TYPE (CONT'D) *****																			
KOMATSU (CONT'D)																			
4990	D57S-1	2.1 CY	135 HP D	99,034	32.31	40.51	6.34	12.25	5.20	14.32	6.85	337							
4995	D75S-3	3.3 CY	200 HP D	143,489	47.05	59.01	9.19	17.75	7.71	20.75	10.15	485							
5000	D155S-1	5.9 CY	350 HP D	285,585	91.08	114.09	18.28	35.33	13.49	41.30	17.77	950							
LOADERS, FRONT END, WHEEL TYPE *****																			
(ARTIC = ARTICULATED)																			
BOBCAT																			
5010	MOD 310	5 CWT. SKID STEER	16 HP G	8,293	3.28	4.25	0.53	0.97	1.22	1.13	1.60	18							
5015	MOD 313	5 CWT. SKID STEER	13 HP D	9,680	2.60	3.33	0.61	1.13	0.46	1.31	0.61	19							
5020	MOD 540	8 CWT. SKID STEER	23 HP G	11,807	4.67	5.96	0.75	1.39	1.76	1.61	2.29	31							
5025	MOD 543	8 CWT. SKID STEER	22 HP D	13,164	3.73	4.73	0.84	1.55	0.79	1.80	1.03	33							
5030	MOD 641	10 CWT. SKID STEER	28 HP D	15,530	4.50	5.74	0.99	1.83	1.00	2.13	1.32	39							
5035	MOD 642	10 CWT. SKID STEER	32 HP G	14,435	6.09	7.81	0.92	1.70	2.45	1.97	3.19	38							
5040	MOD 742	13 CWT. SKID STEER	34 HP G	16,622	6.72	8.61	1.06	1.96	2.60	2.28	3.39	45							
5045	MOD 743	13 CWT. SKID STEER	36 HP D	17,825	5.36	6.81	1.14	2.11	1.29	2.44	1.69	46							
5050	MOD 843	17 CWT. SKID STEER	54 HP D	22,946	7.40	9.53	1.46	2.68	1.93	3.10	2.54	63							
5055	MOD 974	37 CWT. SKID STEER	78 HP D	42,170	12.85	16.88	2.65	4.80	2.79	5.56	3.67	121							
CASE																			
5065	W-11	3/4 CY ARTIC	55 HP D	46,035	11.97	15.20	2.94	5.43	1.96	6.30	2.58	89							
5070	W-14	1-1/4 CY ARTIC	83 HP D	60,623	16.47	21.11	3.86	7.09	2.96	8.22	3.90	137							
5075	W-18 B	1-3/4 CY ARTIC	103 HP D	78,177	20.92	26.68	4.98	9.18	3.68	10.65	4.84	194							
5080	W-20 C	2 CY ARTIC	110 HP D	81,917	22.23	28.56	5.20	9.55	3.93	11.07	5.17	212							
5085	W-24 C	2-1/2 CY ARTIC	132 HP D	101,008	27.07	34.60	6.43	11.84	4.72	13.73	6.20	216							
5090	W-36	3-1/2 CY ARTIC	185 HP D	138,558	36.87	46.70	8.86	16.39	6.61	19.02	8.69	340							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F. E., WHEEL TYPE (CONT'D) *****														
CATERPILLAR														
5100	910	1-1/4 CY ARTIC	65 HP D	52,599	14.05	18.11	3.34	6.11	2.32	7.08	3.05	145		
5105	920	1-3/4 CY ARTIC	80 HP D	67,770	17.77	22.76	4.31	7.92	2.86	9.18	3.76	186		
5110	930	2-1/4 CY ARTIC	100 HP D	77,399	20.83	26.80	4.91	9.00	3.57	10.44	4.70	212		
5115	950-B	3 CY ARTIC	155 HP D	124,736	32.66	41.38	7.97	14.73	5.54	17.09	7.28	328		
5120	966-D	4 CY ARTIC	200 HP D	170,287	45.16	58.41	10.78	19.71	7.14	22.83	9.40	426		
5125	980-C	5-1/4 CY ARTIC	270 HP D	229,709	56.44	72.53	13.45	24.80	9.64	27.99	12.69	598		
5130	988-B	7 CY ARTIC	375 HP D	331,581	80.18	103.43	19.24	35.07	13.39	39.52	17.62	892		
5135	992-C	13 CY ARTIC	690 HP D	674,717	161.75	210.84	38.93	70.47	24.65	79.34	32.43	1916		
CLARK														
5145	35C	1-1/4 CY	82 HP D	59,048	16.15	20.80	3.74	6.87	2.93	7.98	3.85	177		
5150	45C	1-1/2 CY	107 HP D	69,199	19.41	24.90	4.40	8.09	3.82	9.38	5.03	199		
5155	55C	2 CY ARTIC	121 HP D	80,563	22.53	28.97	5.12	9.39	4.32	10.88	5.69	247		
5160	75C	2-1/2 CY ARTIC	154 HP D	118,067	32.14	41.65	7.47	13.65	5.50	15.81	7.24	313		
5165	125C	3-1/2 CY ARTIC	210 HP D	160,072	43.96	57.29	10.09	18.38	7.50	21.29	9.87	437		
5170	175C	4-1/2 CY ARTIC	273 HP D	218,690	54.68	70.42	12.80	23.57	9.75	26.59	12.83	565		
5175	275C	6-1/2 CY ARTIC	360 HP D	312,358	75.03	95.88	18.21	33.40	12.86	37.67	16.92	864		
5180	475C	12 CY ARTIC	612 HP D	589,864	140.71	182.18	34.16	62.10	21.86	69.95	28.76	1689		
FIAT-ALLIS														
5190	345-B	1-1/2 CY ARTIC	80 HP D	54,185	15.08	19.41	3.44	6.31	2.86	7.32	3.76	151		
5195	FR-10	2-1/4 CY ARTIC	102 HP D	68,695	19.02	24.34	4.38	8.05	3.64	9.33	4.79	212		
5200	FR-12	2-1/2 CY ARTIC	120 HP D	75,591	21.50	27.71	4.79	8.79	4.29	10.19	5.64	230		
5205	FR-15	3 CY ARTIC	155 HP D	106,611	30.04	39.12	6.72	12.25	5.54	14.19	7.28	296		
5210	FR-20	4-1/2 CY ARTIC	215 HP D	170,270	46.21	60.05	10.75	19.61	7.68	22.71	10.10	445		
5215	945-B	6 CY ARTIC	335 HP D	257,651	64.32	83.00	14.95	27.26	11.97	30.72	15.74	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													
LOADERS, F.E., WHEEL TYPE (CONT'D)																	

FORD																	
5225	445	3/4 CY	48 HP D	24,812	7.54	9.81	1.57	2.86	1.71	3.31	2.26	73					
5230	555	1 CY	55 HP D	30,440	8.99	11.62	1.92	3.52	1.96	4.08	2.58	78					
5235	A-62	1-1/2 CY	88 HP D	62,489	17.13	22.03	3.97	7.29	3.14	8.46	4.14	173					
5240	A-64	2 CY ARTIC	107 HP D	75,188	20.76	26.75	4.77	8.74	3.82	10.14	5.03	228					
5245	A-66	2-1/2 CY ARTIC	136 HP D	107,296	28.29	35.94	6.84	12.64	4.86	14.67	6.39	256					
INTERNATIONAL																	
5255	510B	1-3/8 CY	80 HP D	50,847	15.02	19.94	3.18	5.71	2.86	6.59	3.76	140					
5260	515B	1-5/8 CY	100 HP D	62,789	18.01	23.31	3.98	7.27	3.57	8.41	4.70	167					
5265	520B	2-1/4 CY ARTIC	120 HP D	74,042	21.24	27.44	4.69	8.59	4.29	9.96	5.64	232					
5270	530	2-3/4 CY ARTIC	155 HP D	108,714	29.55	37.56	6.94	12.82	5.54	14.88	7.28	291					
5275	540	3-3/4 CY ARTIC	189 HP D	152,464	41.31	53.83	9.61	17.51	6.75	20.28	8.88	360					
5280	550	5-1/4 CY ARTIC	209 HP D	214,379	55.73	73.11	13.48	24.44	7.47	28.29	9.82	544					
5285	560B	7-1/2 CY ARTIC	415 HP D	314,350	77.94	99.64	18.34	33.63	14.82	37.92	19.50	830					
5290	570	12 CY ARTIC	590 HP D	606,201	140.64	179.60	35.35	64.79	21.07	73.06	27.73	1350					
JOHN DEERE																	
5300	300B	3/4 CY	43 HP D	23,360	6.90	8.84	1.48	2.72	1.54	3.16	2.02	69					
5305	444C	1-1/2 CY	85 HP D	62,722	17.04	21.88	3.98	7.32	3.04	8.49	3.99	179					
5310	544C	2 CY ARTIC	105 HP D	76,032	20.53	26.16	4.85	8.94	3.75	10.38	4.93	197					
5315	644C	3 CY ARTIC	145 HP D	109,369	29.70	38.28	6.94	12.71	5.18	14.73	6.81	260					
5320	844	4-1/2 CY ARTIC	260 HP D	203,289	51.39	66.44	11.88	21.84	9.29	24.63	12.22	490					
KAWASAKI																	
5330	KSS-65Z	2.2 CY	104 HP D	63,373	18.31	23.73	4.01	7.33	3.71	8.50	4.89	220					
5335	KSS-70	3.0 CY	158 HP D	90,382	26.12	33.38	5.76	10.62	5.64	12.32	7.43	305					
5340	KSS-80	4.0 CY	187 HP D	118,653	34.37	44.99	7.46	13.56	6.68	15.70	8.79	390					
5345	KSS-95Z11	5.5 CY	305 HP D	180,471	49.64	64.81	10.51	19.23	10.89	21.68	14.33	615					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.E., WHEEL TYPE (CONT'D)														
TEREX (GM)														
5355	33C	2 CY	103 HP D	65,311	18.64	24.11	4.13	7.56	3.68	8.76	4.84	216		
5360	44C	2-1/2 CY	113 HP D	74,902	21.02	27.08	4.75	8.71	4.04	10.10	5.31	250		
5365	55C	3-1/4 CY	144 HP D	105,901	28.43	36.15	6.76	12.48	5.14	14.48	6.77	280		
5370	66C	4 CY	210 HP D	144,164	40.53	52.74	9.10	16.59	7.50	19.22	9.87	425		
5375	80C	5-1/2 CY	307 HP D	218,335	56.20	72.42	12.79	23.54	10.97	26.54	14.43	590		
5380	90B	7-1/2 CY	388 HP D	318,749	77.45	98.91	18.60	34.12	13.86	38.48	18.24	845		
TROJAN														
5390	1500	1-3/4 CY ARTIC	85 HP D	67,523	17.98	23.04	4.29	7.89	3.04	9.15	3.99	180		
5395	1900	2-1/4 CY ARTIC	117 HP G	77,396	27.59	35.54	4.91	9.00	8.96	10.44	11.67	212		
5400	2000	3 CY ARTIC	149 HP D	110,612	29.61	37.60	7.07	13.05	5.32	15.13	7.00	306		
5405	2500	4 CY ARTIC	182 HP D	137,080	37.70	49.05	8.65	15.77	6.50	18.26	8.55	393		
5410	4000	4-1/4 CY ARTIC	203 HP D	150,209	41.70	54.46	9.46	17.21	7.25	19.92	9.54	410		
5415	5500	5-1/2 CY ARTIC	285 HP D	220,794	56.45	73.48	12.87	23.58	10.18	26.59	13.39	616		
5420	7500	7 CY ARTIC	400 HP D	290,569	73.09	93.80	16.92	30.96	14.29	34.90	18.80	846		
LOADER/BACKHOE, WHEEL TYPE TRACTOR														
CASE														
5430	480D LDR/BHOE	7/8 CY FE BUCKET 24" B/H DIPPER	47 HP D	40,120	10.56	13.23	2.56	4.73	1.68	5.49	2.21	100		
5435	580D LDR/BHOE	1.0 CY FE BUCKET 24" B/H DIPPER	55 HP D	46,806	12.31	15.41	2.99	5.53	1.96	6.42	2.58	115		
5440	680H LDR/BHOE	1-1/4 CY FE BUCKET 30" B/H DIPPER	80 HP D	72,246	18.81	23.52	4.61	8.52	2.86	9.88	3.76	165		
5445	780B LDR/BHOE	1-3/4 CY FE BUCKET 30" B/H DIPPER	111 HP D	85,334	22.94	28.76	5.46	10.09	3.96	11.71	5.22	200		

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															
LOADER/BH, WHL. TYPE TRACTOR (CONT'D) *****																			
JOHN DEERE																			
5455	410B LDR/BH 1 CY FE BUCKET 24" B/H DIPPER	62 HP D	47,548	13.02	16.38	3.01	5.51	2.21	6.38	2.91	138								
5460	510 LDR/BHOE 1-1/8 CY FE BUCKET 24" B/H DIPPER	80 HP D	68,743	18.17	22.79	4.37	8.04	2.86	9.33	3.76	205								
5465	710B LDR/BHOE 1-1/2 CY FE BUCKET 30" B/H DIPPER	100 HP D	75,918	20.51	25.72	4.85	8.94	3.57	10.37	4.70	220								
LOADER/BACKHOE, CRLR TYPE TRACTOR *****																			
CASE																			
5475	350B LDR/BHOE 3/4 CY FE BUCKET 24" B/H DIPPER	39 HP D	54,650	15.94	19.87	3.50	6.76	1.50	7.90	1.98	141								
5480	450B LDR/BHOE 1 CY FE BUCKET 24" B/H DIPPER	53 HP D	65,077	19.33	24.12	4.17	8.05	2.04	9.41	2.69	167								
CATERPILLAR																			
5490	931BLDR/BHOE 1 CY FE BUCKET 30" B/H DIPPER	65 HP D	57,439	18.03	22.57	3.67	7.10	2.51	8.31	3.30	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		4,970	2.10		0.39	0.82	0.00		6									
5505	KENT RAM 999 W/NARROW CHISEL		10,343	4.36		0.81	1.70	0.00		10									
5510	KENT RAM 2000 W/CHISEL-MIN 3/4CY B/H		20,023	8.40		1.57	3.29	0.00		22									
5515	KENT KHP-12 HYDRA-PAK TAMPER		5,202	1.94		0.41	0.86	0.00		9									
5520	KENT KHP-25 HYDRA-PAK MIN 3/4CY B/H		8,153	2.98		0.64	1.34	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	SEVERE	OWNER-SHIP	AVERAGE FUEL	SEVERE COND.	
	PILE EXTRACTORS *****									
	MKT CORPORATION									
5530	E2 700 FT-LBS	400CFM A	14,216	4.84			1.11	2.33	0.00	27
5535	E4 1000 FT-LBS	550CFM A	21,414	7.25			1.68	3.52	0.00	47
	VULCAN									
5545	400A 500 FT-LBS	450CFM A	18,282	6.17			1.43	3.00	0.00	30
5550	800A 1000 FT-LBS	900CFM A	23,854	8.19			1.87	3.92	0.00	57
5555	1200A 1640 FT-LBS	1350CFM A	28,061	9.83			2.20	4.61	0.00	97
	PILE HAMMERS, DIESEL ***** (FUEL NOT INCLUDED)									
	MKT CORPORATION									
5565	DE-30B/20B (6-FT) 12,000 FT-LBS		35,860	11.64			2.80	5.89	0.00	74
5570	DE-30B/20B (6-FT) 16,800 FT-LBS		40,077	13.00			3.13	6.58	0.00	82
5575	DE-70B/50B (6-FT) 30,000 FT-LBS		65,826	21.32			5.14	10.81	0.00	138
5580	DE-70B/50B (6-FT) 42,000 FT-LBS		69,934	22.65			5.47	11.49	0.00	158
	PILE HAMMERS, SINGLE ACTING *****									
	VULCAN									
5590	1 15000 FT-LBS	750CFM A	36,587	12.24			2.86	6.01	0.00	101
5595	06 19500 FT-LBS	900CFM A	41,895	14.01			3.27	6.88	0.00	121
5600	08 26000 FT-LBS	1100CFM A	48,176	16.14			3.76	7.91	0.00	175
5605	010 32500 FT-LBS	1350CFM A	52,777	17.77			4.13	8.67	0.00	195
5610	012 39000 FT-LBS	1500CFM A	59,010	19.68			4.61	9.69	0.00	287
5615	014 42000 FT-LBS	1750CFM A	70,548	23.71			5.52	11.59	0.00	283
5620	016 48750 FT-LBS	1750CFM A	83,864	28.01			6.56	13.78	0.00	320
5625	020 60000 FT-LBS	2150CFM A	112,280	37.38			8.77	18.44	0.00	425
5630	030 90000 FT-LBS	2350CFM A	165,757	54.76			12.95	27.22	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 OWNER-SHIP	FUEL	OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
FILE HAMMERS, DOUBLE ACTING *****																			
MKT CORPORATION																			
5640	9-B-3	8750 FT-LBS	900CFM A	28,706	9.76		2.25	4.72	0.00	74									
5645	10-B-3	13100 FT-LBS	1200CFM A	32,523	11.13		2.54	5.34	0.00	114									
5650	11-B-3	19150 FT-LBS	1200CFM A	43,383	14.64		3.39	7.12	0.00	141									
5655	5 (SELF STOP)	1000 FT-LBS	375CFM A	10,913	3.77		0.85	1.79	0.00	17									
5660	6 (SELF STOP)	2500 FT-LBS	600CFM A	13,800	4.78		1.08	2.26	0.00	31									
5665	7 (SELF STOP)	4150 FT-LBS	750CFM A	17,262	5.99		1.35	2.83	0.00	50									
VULCAN																			
5675	50C	15100 FT-LBS	1250CFM A	46,516	15.67		3.64	7.64	0.00	153									
5680	65C	19200 FT-LBS	1450CFM A	53,301	17.98		4.16	8.75	0.00	153									
5685	80C	24450 FT-LBS	1750CFM A	57,201	19.40		4.47	9.40	0.00	184									
5690	100C	32900 FT-LBS	2050CFM A	70,074	23.69		5.47	11.50	0.00	232									
5695	140C	36000 FT-LBS	2150CFM A	86,598	29.09		6.77	14.22	0.00	287									
5700	200C	50200 FT-LBS	2550CFM A	125,753	41.95		9.83	20.66	0.00	398									
PILE HAMMERS, VIBRATORY *****																			
MKT CORPORATION																			
5710	V5	WITH POWER PACK	59 HP D	62,852	23.08		4.91	10.32	2.11	110									
5715	V16	WITH POWER PACK	156 HP D	118,079	45.48		9.23	19.39	5.57	215									
5720	V20	WITH POWER PACK	295 HP D	173,319	69.89		13.55	28.47	10.54	257									
5725	V30	WITH POWER PACK	550 HP D	186,896	86.30		14.60	30.69	19.65	350									
5730	V36	WITH POWER PACK	650 HP D	237,367	107.31		18.54	38.98	23.22	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	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	
	PIPELAYER *****									
	CATERPILLAR									
5740	561D 15 FT BOOM, 40,000 LB CAP 105 HP D	116,066	22.24	27.08	7.13	11.79	2.07	13.09	2.66	357
5745	571G 18 FT BOOM, 60,000 LB CAP 200 HP D	187,313	36.74	44.81	11.50	19.03	3.95	21.14	5.08	502
5750	572G 18 FT BOOM, 90,000 LB CAP 200 HP D	213,901	41.16	50.16	13.13	21.72	3.95	24.14	5.08	605
5755	583K 20 FT BOOM, 140,000 LB CAP 300 HP D	268,557	53.03	64.70	16.49	27.28	5.92	30.30	7.61	905
5760	594H 24 FT BOOM, 200,000 LB CAP 410 HP D	375,065	73.81	90.04	23.03	38.10	8.09	42.31	10.41	1229
	PUMPS, GROUT *****									
	CHEMGROUT									
5770	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,446	3.42		0.87	1.79	0.00			11
5775	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,594	1.32		0.33	0.67	0.00			5
5780	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	18,364	5.15		1.29	2.65	0.00			18
5785	CG-620 COLLOIDAL ADD-ON TO CG-500	7,930	2.14		0.56	1.15	0.00			11
	PUMPS, WATER (FOR CORE DRILLS) *****									
	LONGYEAR									
5795	520 RQG 5.7-20 GPM UP TO 600PSI 10 HP G	6,725	2.78		0.44	0.81	1.06			7
5800	535 RQG 9.9-35 GPM UP TO 800PSI 15 HP G	8,495	3.83		0.55	1.02	1.58			10
	PUMPS, WATER, CENTRIFUGAL, DEWATERING *****									
	HOMELITE - SKID MOUNTED									
5810	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	466	0.37		0.03	0.05	0.21			1
5815	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	601	0.54		0.04	0.07	0.32			1
5820	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	1,115	1.33		0.07	0.13	0.84			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 OWNERSHIP	SEVERE OWNERSHIP	COND. FUEL									
			AVERAGE	SEVERE													
PUMPS, WATER, CENTRIF, DEWATER (CONT'D) *****																	
MARLOW - WHEEL MOUNTED																	
5830	MOD 4D2 465 GPM @ 20' HEAD	43 HP G	8,895	7.81		0.58	1.07	4.54	14								
5835	MOD 4C7 595 GPM @ 20' HEAD	30 HP D	5,111	3.10		0.33	0.61	1.49	10								
5840	MOD 6E4A 1100 GPM @ 20' HEAD	79 HP G	11,796	13.42		0.76	1.41	8.34	15								
5845	MOD 6E4A 1100 GPM @ 20' HEAD	60 HP D	16,981	7.61		1.10	2.04	2.99	24								
5850	MOD 8PA3 2320 GPM @ 20' HEAD	70 HP D	21,860	9.29		1.41	2.62	3.49	23								
5855	MOD 10PA61 2775 GPM @ 20' HEAD	68 HP D	23,204	9.42		1.49	2.78	3.39	30								
PUMPS, WATER, CENTRIFUGAL, TRASH *****																	
HOMELITE - SKID MOUNTED																	
5865	MOD 121TP 2" - 11500 GPH @ 20' H	5 HP G	967	0.89		0.06	0.11	0.53	1								
5870	MOD 120 3" - 23000 GPH @ 20' H	8 HP G	1,320	1.38		0.09	0.16	0.84	2								
5875	MOD 160TP 4" - 36500 GPH @ 20' H	16 HP G	2,706	2.78		0.17	0.32	1.69	4								
PUMPS, WATER, DIAPHRAGM *****																	
HOMELITE - SKID MOUNTED																	
5885	MOD 111DP 2" - 1900 GPH @ 10' HD	3 HP G	1,210	0.67		0.08	0.15	0.32	1								
5890	MOD 111DP 3" - 4800 GPH @ 10' HD	3 HP G	1,348	0.69		0.09	0.16	0.32	2								
PUMPS, WATER, SUBMERSIBLE *****																	
GORMAN-RUPP																	
5900	MOD S2A1 2" - 138 GPM @ 20' HD	2 HP E	1,638	0.51		0.10	0.19	0.17	2								
5905	MOD S3A1 3" - 278GPM @ 20' HD	5 HP E	2,340	1.00		0.15	0.28	0.43	3								
5910	MOD S4A1 4" - 860 GPM @ 40' HD	25 HP E	8,306	4.45		0.54	1.00	2.14	12								
5915	MOD S6A1 6" - 1950 GPM @ 40' HD	60 HP E	10,831	9.20		0.70	1.30	5.13	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.	OWNERSHIP	FUEL						
		AVERAGE	SEVERE											
PUMPS, WATER, SUBMERSIBLE (CONT'D) *****														
HOMELITE														
5925	MOD SP200 2" - 13000 GPH @ 10' HD	2 HP E	1,330	0.47			0.09	0.16	0.17	1				
5930	MOD SP300 3" - 19000 GPH @ 15' HD	4 HP E	1,646	0.76			0.11	0.20	0.34	1				
RIPPER & HYDRAULIC BANK SLOPER *****														
(DOES NOT INCLUDE COST OF POINT WEAR)														
ATECO														
5940	LPAF-D8K	PARALLEL LIFT	24,969	6.31	8.48	1.75	3.61	0.00	4.48	0.00	101			
5945	D-8K	SHANKS EA		1,960	0.49	0.66	0.14	0.29	0.00	0.35	0.00	11		
5950	LPAF-D7G	PARALLEL LIFT		18,669	4.72	6.34	1.31	2.70	0.00	3.35	0.00	57		
5955	D-7G	SHANKS EA			858	0.22	0.28	0.06	0.13	0.00	0.15	0.00	5	
5960	V-LPRF-TD25E	PARALLEL LIFT STD SVC		21,447	5.43	7.30	1.50	3.10	0.00	3.85	0.00	97		
5965	TD-25C	SHANKS EA			1,937	0.48	0.65	0.14	0.28	0.00	0.35	0.00	8	
5970	V-LPRF-TD20E	PARALLEL LIFT STD SVC			15,519	3.93	5.28	1.09	2.24	0.00	2.78	0.00	51	
5975	TD-20E	SHANKS EA			1,239	0.31	0.41	0.09	0.18	0.00	0.22	0.00	4	
5980	PS-TD15C	RADIAL LIFT			9,082	2.33	3.12	0.64	1.31	0.00	1.62	0.00	22	
5985	TD-15C	SHANKS EA				493	0.12	0.17	0.03	0.07	0.00	0.09	0.00	1
5990	V-LPRF 82-50	PARALLEL LIFT STD SVC			23,933	6.03	8.11	1.68	3.46	0.00	4.30	0.00	105	
5995	82-50	SHANKS EA				1,937	0.48	0.65	0.14	0.28	0.00	0.35	0.00	8
6000	V-LPRF-82-30B	PARALLEL LIFT				21,274	5.37	7.21	1.49	3.08	0.00	3.81	0.00	89
6005	82-30	SHANKS EA				2,622	0.65	0.88	0.19	0.38	0.00	0.47	0.00	8
6010	HBS-HYDR	BANK SLOPER 260-475 HP				9,376	2.02	2.53	0.60	1.16	0.00	1.35	0.00	28
CATERPILLAR														
6020	D-10 MULTI-SHANK BEAM				49,087	12.42	16.68	3.43	7.09	0.00	8.80	0.00	218	
6025	D-10 SHANKS EA					3,578	0.89	1.20	0.25	0.52	0.00	0.64	0.00	15
6030	D-10 SINGLE-SHANK BEAM					52,245	13.20	17.73	3.66	7.56	0.00	9.37	0.00	209
6035	D-9L MULTI-SHANK BEAM	W/HYD-CONTROL				41,596	10.51	14.11	2.92	6.02	0.00	7.46	0.00	162
6040	D-9L SHANKS EA					3,216	0.80	1.08	0.23	0.47	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 COND		SEVERE COND						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
RIPPER & HYDR BANK SLOPER (CONT'D) ***** (DOES NOT INCLUDE COST OF POINT WEAR)														
CATERPIL'AR (CONT'D)														
6045	D-9L SINGLE-SHANK BEAM HYD-CNVL&SHANK	38,722	9.79	13.15	2.71	5.60	0.00	6.95	0.00	156				
6050	D-8L MULTI-SHANK BEAM HYD-CONTROL	28,056	7.08	9.51	1.97	4.06	0.00	5.03	0.00	98				
6055	D-8L SHANKS EA	1,808	0.45	0.60	0.13	0.26	0.00	0.32	0.00	7				
6060	D-8L SINGLE-SHANK BEAM HYD-CNVL&SHANK	27,283	6.88	9.25	1.91	3.94	0.00	4.89	0.00	101				
6065	D-7G MULTI-SHANK BEAM HYD-CONTROL	15,683	3.98	5.34	1.10	2.27	0.00	2.81	0.00	57				
6070	D-7G SHANKS EA	932	0.23	0.31	0.06	0.13	0.00	0.16	0.00	3				
6075	D-6D MULTI-SHANK BEAM HYD-CONTROL	9,813	2.52	3.37	0.69	1.42	0.00	1.76	0.00	34				
6080	D-6D SHANKS EA	477	0.12	0.15	0.03	0.07	0.00	0.08	0.00	1				
6085	D-4E MULTI-SHANK BEAM HYD-CONTROL	6,057	1.58	2.11	0.42	0.87	0.00	1.08	0.00	22				
6090	D-4E SHANKS EA	256	0.07	0.08	0.02	0.04	0.00	0.04	0.00	1				
6095	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,688	0.75	0.99	0.19	0.39	0.00	0.49	0.00	7				
6100	D-3B SHANKS EA	141	0.03	0.05	0.01	0.02	0.00	0.03	0.00	1				
FIAT-ALLIS														
6110	FD-50 W/HYD-CNVL AND 1 SHANK	54,506	13.83	18.56	3.82	7.88	0.00	9.78	0.00	280				
6115	FD-40 W/HYD-CNVL AND 2 SHANKS	42,525	10.77	14.47	2.98	6.15	0.00	7.63	0.00	200				
6120	FD-30 W/HYD-CNVL AND 2 SHANKS	31,868	8.02	10.79	2.23	4.61	0.00	5.72	0.00	108				
6125	RP20B W/HYD-CNVL AND 3 SHANKS	18,888	4.78	6.43	1.32	2.73	0.00	3.39	0.00	88				
ROLLER, RUBBER TIRED, SELF-PROPELLED *****														
FERGUSON														
6135	MOD SP-912	12 TON	85 HP D	38,039	11.88		2.41	4.58	3.04					
6140	MOD SP-915	15 TON	85 HP D	42,021	12.71		2.67	5.07	3.04					
6145	MOD SP-1118	18 TON	85 HP D	48,774	14.16		3.10	5.88	3.04					
6150	MOD SP-1130	30 TON	125 HP D	78,112	22.23		4.94	9.35	4.46					

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, R/T, SELF-PROPELLED (CONT'D) *****														
INGRAM														
6160	9-2800-P	12 TON	76 HP D	33,265	10.46	2.11	3.99	2.71		73				
6165	9-2800-PA	12 TON	76 HP D	35,775	10.99	2.27	4.30	2.71		86				
6170	9-3400-P	15 TON	78 HP D	36,611	11.26	2.32	4.40	2.79		97				
6175	11-2700	15 TON	107 HP G	35,285	17.72	2.23	4.22	8.19		89				
6180	11-2700	15 TON	76 HP D	39,291	11.75	2.48	4.70	2.71		91				
6185	13-2300	15 TON	107 HP G	36,887	18.07	2.33	4.39	8.19		86				
6190	13-2300	15 TON	76 HP D	40,907	12.12	2.59	4.89	2.71		90				
6195	9-6000	27 TON	117 HP D	89,513	24.32	5.66	10.70	4.18		205				
TAMPO														
6205	SP-312	12 TON	68 HP D	36,277	10.74	2.30	4.36	2.43		66				
6210	SP-518	15 TON	68 HP D	44,968	12.55	2.86	5.44	2.43		95				
6215	SP-950	27 TON	130 HP D	92,758	25.53	5.87	11.13	4.64		198				
6220	SP-1070 M	35 TON	130 HP D	111,625	30.05	6.96	12.96	4.64		258				
ROLLER, RUBBER TIRED, TOWED *****														
FERGUSON														
6230	RT-100S	50 TON		61,547	12.84	3.61	6.26	0.00		200				
6235	RT-120S	60 TON		72,578	15.79	4.47	8.20	0.00		218				
SOUTHWEST														
6245	C 50	50 TON		74,560	15.76	4.47	7.93	0.00		344				
6250	C 75	75 TON		83,665	17.64	4.95	8.65	0.00		408				
6255	C 100XL	100 TON		114,457	24.30	6.92	12.43	0.00		601				
TAMPO														
6265	R-13	14 TON		9,215	2.05	0.55	0.98	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 OWNER-SHIP	SEVERE OWNER-SHIP	AVERAGE FUEL	SEVERE FUEL				
ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED *****												
FERGUSON												
6275	MOD 112	40"X48" 3-7 TON	13,030	2.87	0.84	1.60	0.00		65			
6280	MOD 112W	40"X48" 4.5-8 TON	16,568	3.62	1.07	2.04	0.00		91			
6285	MOD 112W-48	48"X48" 5-10 TON	17,075	3.72	1.10	2.10	0.00		105			
6290	MOD 120	60"X60" 8-18 TON	25,569	5.51	1.64	3.15	0.00		157			
6295	MOD 120 MOD	60"X60" 8-18 TON	39,114	8.36	2.51	4.82	0.00		230			
6300	MOD 120-RE	60"X60" 16-20 TON	59,233	12.59	3.80	7.29	0.00		327			
6305	MOD 22	60"X72" 16-20 TON	38,657	8.27	2.48	4.76	0.00		215			
6310	MOD 22 MOD	60"X72" 16-20 TON	44,948	9.58	2.88	5.53	0.00		269			
6315	MOD 144-RE	60"X72" 19-24 TON	69,721	14.79	4.47	8.58	0.00		385			
 TAMPO												
6325	H-1 TF	40"X48" 2.6TON	5,762	1.35	0.37	0.71	0.00		32			
6330	H-2 TF	40"X48" 5 TON	11,651	2.60	0.75	1.44	0.00		63			
 ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED												
CATERPILLAR												
6340	815 B	40.5"X38" 210 HP D	151,278	41.10	9.69	18.61	7.50		419			
6345	825C	51"X44" 310 HP D	228,414	61.75	14.63	28.10	11.07		633			
6350	825C	W/S BLADE 310 HP D	241,507	64.51	15.48	29.72	11.07		684			
 HYSTER												
6360	C455-B TANDEM	80"X80" ARTIC 330 HP D	247,933	66.75	15.88	30.50	11.79		573			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.				
			AVERAGE	SEVERE							
	ROLLER, SMOOTH WHEEL, SELF-PROPELLED *****										
	FERGUSON										
6370	3-5 TON	TANDEM	52 HP D	25,584	7.69	1.64	3.15	1.86		77	
6375	4-6 TON	TANDEM	52 HP D	30,526	8.73	1.96	3.76	1.86		96	
6380	5-8 TON	TANDEM	85 HP D	46,632	13.58	2.99	5.74	3.04		136	
6385	8-10 TON	TANDEM	85 HP D	48,746	14.01	3.12	5.99	3.04		174	
6390	8-12 TON	TANDEM	85 HP D	50,922	14.47	3.26	6.26	3.04		176	
6395	10-14 TON	TANDEM	85 HP D	53,075	14.93	3.40	6.53	3.04		219	
	INGRAM										
6405	12 TON EB 3 WHEEL 3" OVERLAP	107 HP G	50,996	20.88	3.26	6.27	8.19			194	
6410	12 TON EB 3 WHEEL 3" OVERLAP	85 HP D	54,720	15.27	3.51	6.73	3.04			196	
6415	14 TON EB 3 WHEEL 3" OVERLAP	107 HP G	54,095	21.53	3.46	6.65	8.19			221	
6420	14 TON EB 3 WHEEL 3" OVERLAP	85 HP D	57,818	15.93	3.71	7.12	3.04			223	
6425	4-6 TON FB 2 WHEEL	TANDEM	54 HP G	25,038	10.38	1.60	3.08	4.13		82	
6430	6-9 TON GB 2 WHEEL	TANDEM	107 HP G	33,973	17.30	2.18	4.18	8.19		133	
6435	6-9 TON GB 2 WHEEL	TANDEM	85 HP D	37,697	11.69	2.41	4.63	3.04		135	
6440	8-12 TON HB 2 WHEEL	TANDEM	107 HP G	41,210	18.82	2.64	5.07	8.19		171	
6445	8-12 TON HB 2 WHEEL	TANDEM	85 HP D	44,934	13.22	2.88	5.53	3.04		173	
6450	10-14 TON HB 2 WHEEL	TANDEM	107 HP G	44,459	19.51	2.85	5.47	8.19		203	
6455	10-14 TON HB 2 WHEEL	TANDEM	85 HP D	48,183	13.90	3.09	5.93	3.04		205	

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	FUEL	SEVERE COND. OWNER-SHIP	
	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	12,571	6.03			0.88	1.81	1.90		31
6470	CF-11 40HZ TF 30"X55" 5 TON 18 HP G	15,389	6.82			1.08	2.21	1.90		32
6475	CH-47 27HZ 47"X74" 13 TON 43 HP D	36,753	13.12			2.57	5.28	2.14		130
6480	CF-47 27HZ TF 47"X74" 13 TON 43 HP D	35,669	12.82			2.50	5.13	2.14		135
6485	CK-51 25HZ 59"X83" 24 TON 95 HP D	49,838	20.19			3.49	7.16	4.73		221
6490	CF-51 25HZ TF 59"X83" 24 TON 95 HP D	52,560	20.95			3.67	7.55	4.73		226
	PERGUSON									
6500	65 25HZ TF 60"X72" 11 TON 49 HP D	35,045	13.03			2.45	5.03	2.44		110
6505	65T 30HZ TF 44"X72" 11 TON 49 HP D	38,104	13.88			2.67	5.47	2.44		127
6510	230 25HZ 66"X78" 20 TON 77 HP D	61,319	22.24			4.29	8.81	3.84		237
6515	230T 25HZ TF 66"X78" 21 TON 77 HP D	66,752	23.76			4.67	9.59	3.84		268
	HYSSTER									
6525	C200B 30HZ 48"X60" 9 TON 39 HP D	30,362	11.06			2.13	4.36	1.94		80
6530	C210A 30HZ TF 58"X60" 9 TON 39 HP D	35,876	12.61			2.51	5.16	1.94		100
	RAYGO									
6540	SF-54A TF 38HZ 30"X54" 7.5TON 30 HP D	18,135	7.04			1.27	2.60	1.49		48
6545	SM-54A 38HZ 30"X54" 7.5TON 30 HP D	16,452	6.58			1.16	2.37	1.49		48
	SOUTHWEST									
6555	756 25HZ TF 66"X78"23.5TON 75 HP D	76,094	26.24			5.32	10.93	3.74		240
6560	566 33HZ TF 56"X72"25.5TON 50 HP D	58,118	19.56			4.07	8.35	2.49		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	58,455	21.19	4.07	8.33	3.64				
6580	CA-15A 42HZ	48"X66"	12 TON	85 HP	D	67,272	24.56	4.64	9.39	4.23				
6585	CA-15PD 29HZ	TF 53"X66"	13 TON	85 HP	D	75,227	26.68	5.24	10.74	4.23				
6590	CA-25A 40HZ	60"X84"	18 TON	125 HP	D	87,591	32.86	6.06	12.34	6.23				
6595	CA-25 28HZ	60"X84"	18 TON	125 HP	D	80,336	30.81	5.56	11.32	6.23				
6600	CA-25S 28HZ	61"X84"	22 TON	125 HP	D	84,917	32.09	5.88	11.98	6.23				
6605	CA-25PD 28HZ	68"X84"	22 TON	125 HP	D	96,707	35.40	6.71	13.68	6.23				
6610	CA-30 28HZ	61"X84"	22 TON	125 HP	D	89,004	33.25	6.18	12.58	6.23				
6615	CA-30D 28HZ	61"X84"	22 TON	125 HP	D	96,394	35.31	6.69	13.63	6.23				
FERGUSON														
6625	SP 266A 42HZ	48"X66"	15 TON	125 HP	D	82,318	31.26	5.75	11.82	6.23				
6630	SP 75 30HZ	60"X84"	22.5 TON	85 HP	D	67,894	24.70	4.70	9.54	4.23				
6635	SP 75D 30HZ	60"X84"	22.5 TON	120 HP	D	72,063	28.17	4.99	10.14	5.98				
6640	SP 75DT 30HZ	TF 60"X84"	22.5 TON	120 HP	D	81,906	30.93	5.68	11.56	5.98				
INGERSOLL RAND														
6650	SPF-56 30HZ	TF 56"X84"	21 TON	115 HP	D	87,271	32.10	6.05	12.33	5.73				
6655	SP-60DD 25HZ	60"X100"	30 TON	203 HP	D	129,509	49.78	8.98	18.28	10.11				
RAYGO														
6665	RASCAL 220A 30HZ	TF38"X48"	6 TON	70 HP	D	55,860	20.25	3.89	7.98	3.49				
6670	RASCAL 303A 38HZ	48"X66"	8 TON	70 HP	D	55,738	20.25	3.88	7.94	3.49				
6675	RASCAL 320A 25HZ	TF48"X60"	8 TON	80 HP	D	74,328	26.11	5.18	10.62	3.99				
6680	RASCAL 320S 25HZ	48"X60"	8 TON	80 HP	D	62,452	22.78	4.35	8.90	3.99				
6685	RUSTLER 304A 28HZ	48"X66"	8 TON	70 HP	D	61,175	21.88	4.22	8.52	3.49				
6690	RUSTLER 404B 28HZ	59"X84"	13.5TON	88 HP	D	83,945	29.37	5.83	11.88	4.38				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNERSHIP	AVERAGE COND.	SEVERE COND.						
					AVERAGE	SEVERE	OWNERSHIP	AVERAGE COND.	SEVERE COND.						
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	92,524	33.83		6.43	13.11	5.93			225					
6700	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	77,805	30.11		5.39	10.97	6.23			224					
6705	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	109,054	38.49		7.57	15.43	5.93			358					
6710	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	94,833	34.50		6.57	13.38	5.93			316					
6715	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	85,136	32.21		5.88	11.92	6.23			263					
TAMPO															
6725	RS-16A 26HZ 48"X24" 7.5TON 68 HP D	59,864	21.37		4.12	8.33	3.39			124					
6730	RS-16 26HZ 48"X24" 8 TON 68 HP D	52,385	19.17		3.65	7.46	3.39			115					
6735	RS-16D 26HZ 48"X24" 8 TON 80 HP D	63,687	23.13		4.44	9.08	3.99			123					
6740	RH-16A 26HZ 48"X24" 9 TON 75 HP D	69,913	24.64		4.82	9.76	3.74			153					
6745	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	70,085	24.92		4.89	10.00	3.99			127					
6750	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	91,385	32.92		6.34	12.92	5.48			212					
6755	RS-28C 25HZ 60"X84" 15 TON 107 HP D	75,980	28.42		5.27	10.71	5.33			202					
6760	RS-28D 25HZ 60"X84" 15 TON 107 HP D	82,147	30.15		5.70	11.59	5.33			208					
6765	RH-28D 28HZ 60"X84"22.5TON 110 HP D	104,652	36.63		7.27	14.82	5.48			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	10,775	4.08		0.76	1.55	0.80			25					
6780	CC-10 50HZ TANDEM 2 TON 34 HP D	28,476	10.20		1.99	4.09	1.69			50					
6785	CC-21 50HZ TANDEM 4 TON 71 HP D	67,161	23.47		4.70	9.65	3.54			137					
6790	CC-42II 42HZ TANDEM 12 TON 125 HP D	90,190	33.46		6.31	12.95	6.23			200					
6795	CC-50A 40HZ TANDEM 18 TON 155 HP D	109,228	40.77		7.64	15.69	7.72			310					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	COND.	SEVERE	COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
ROLLER, VIBRATORY, DD, S/P (CONT'D)														
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
DYNAPAC (CONT'D)														
6800	CC-50S 28HZ TANDEM 22 TON 181 HP D	131,958	48.85			9.23	18.96	9.02		342				
6805	CC-50PD 28HZ TF TANDEM 22 TON 181 HP D	150,063	53.92			10.50	21.56	9.02		419				
RAYGO														
6815	REBEL 1-36 40HZ TANDEM 2 TON 16 HP D	10,856	4.10			0.76	1.56	0.80		23				
6820	ROMPER 2-36 40HZ TANDEM 4 TON 35 HP D	24,236	9.08			1.70	3.48	1.74		40				
6825	RUSTLER 5604A 50HZ TANDEM 5.5TON 70 HP D	64,848	22.76			4.53	9.31	3.49		132				
6830	RUSTLER 7204A 38HZ TANDEM 8 TON 115 HP D	85,943	31.62			6.01	12.35	5.73		250				
6835	RANGER 2-66 38HZ TANDEM 8 TON 119 HP D	109,602	38.51			7.66	15.74	5.93		215				
TAMPO														
6845	RS-03 60HZ 36"X24" 2 TON 14 HP G	10,636	4.93			0.74	1.53	1.48		23				
6850	RS-144A 50HZ 42"X48" 8 TON 52 HP D	55,064	18.83			3.85	7.91	2.59		100				
6855	RS-166A 36HZ 48"X66" 16 TON 80 HP D	86,049	29.36			6.02	12.36	3.99		200				
6860	RS-188A 36HZ 60"X84" 30 TON 156 HP D	107,142	40.25			7.49	15.39	7.77		320				
6865	RH-199 25HZ 60"X96" 45 TON 262 HP D	190,813	70.65			13.35	27.41	13.05		491				
SCRAPERS, SELF-PROPELLED														
***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH FULL ATTACHMENT)														
CATERPILLAR														
6875	613-B 13 T 11 CY P.S. 150 HP D	126,855	35.35	45.43		7.95	14.95	5.50	17.41	7.19				
6880	615 19 T 14-16 CY P.S. 250 HP D	203,931	56.15	72.86		12.65	24.45	9.16	28.60	11.98				
6885	621-B 24 T 14-20 CY P.S. 330 HP D	252,243	67.69	88.03		15.65	30.22	10.86	35.33	14.27				
6890	623-B 25 T 22 CY P.S. 330 HP D	280,219	76.07	98.40		17.44	33.78	12.10	39.50	15.82				
6895	627-B 24 T 14-20 CY P.S. 225/225 HP D/D	294,415	84.57	110.46		18.38	35.74	15.65	41.83	20.30				
6900	627-B PP 24 T 14-20 CY P.S. 225/225 HP D/D	312,566	88.13	114.86		19.54	38.05	15.65	44.54	20.30				
										772				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE OWNERSHIP	FUEL	SEVERE OWNERSHIP	FUEL										
			AVERAGE	SEVERE															
SCRAPERS, SELF-PROPELLED (CONT'D)																			
***** (CAPACITY AS RECOMMENDED BY MPGR 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	386,428	100.34	129.94	24.05	46.62	14.80	54.54	19.46	934							
6910	633-D	37.5T 34 CY P.S.	450 HP D	440,147	115.05	148.15	27.49	53.45	16.50	62.56	21.57	1042							
6915	637-D	37.5T 21-31 CY P.S.	450/250 HP D/D	474,329	134.30	174.87	29.67	57.80	24.35	67.65	31.58	1053							
6920	637-D PP	37.5T 21-31 CY P.S.	450/250 HP D/D	494,826	138.33	179.84	30.98	60.41	24.35	70.71	31.58	1077							
6925	639-D	37.5T 24-34 CY P.S.	450/250 HP D/D	544,910	151.05	197.58	34.00	66.07	24.35	77.33	31.58	1223							
6930	651-B	52 T 32-44 CY P.S.	550 HP D	496,432	128.20	166.24	30.86	59.72	18.09	69.84	23.78	1230							
6935	657-B	52 T 32-44 CY P.S.	550/400 HP D/D	611,573	175.93	229.54	38.21	74.35	33.04	87.03	42.86	1516							
FIAT-ALLIS																			
6950	161	18.7 T 15 CY P.S.	229 HP D	176,878	48.79	62.99	11.03	21.40	8.40	25.04	10.98	466							
6955	260B	25.0 T 15-21 CY P.S.	325 HP D	238,052	63.94	82.88	14.81	28.70	10.69	33.58	14.05	585							
6960	261B	26.5 T 23 CY P.S.	325 HP D	267,644	74.64	97.47	16.52	31.71	11.91	37.04	15.58	635							
6965	262B	25.0 T 15-21 CY P.S.	325/171 HP D/D	282,405	84.24	110.17	17.62	34.22	17.25	40.04	22.38	679							
6970	263-B	26.5 T 23 CY P.S.	325/171 HP D/D	337,272	94.56	122.61	21.15	41.30	17.25	48.36	22.38	742							
INTERNATIONAL																			
6980	412B	13 T 11 CY P.S.	125 HP D	125,244	33.48	42.87	7.87	14.84	4.58	17.28	5.99	335							
6985	431B	24 T 14-21 CY P.S.	326 HP D	250,127	66.64	86.42	15.56	30.12	10.73	35.23	14.10	609							
6990	433B	24 T 14-21 CY P.S.	326/185 HP D/D	293,702	87.10	113.75	18.33	35.65	17.77	41.72	23.06	700							
6995	442B	25 T 22 CY P.S.	326 HP D	279,574	75.27	97.11	17.44	33.86	11.95	39.61	15.63	680							
JOHN DEERE																			
7005	JD762A	13.7 T 11 CY P.S.	175 HP D	132,564	37.55	48.08	8.34	15.75	6.42	18.35	8.39	355							
7010	JD862	20.0 T 16 CY P.S.	250 HP D	180,759	50.55	65.26	11.27	21.89	9.16	25.62	11.98	492							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
SCRAPERS, SELF-PROPELLED (CONT'D)													
(CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)													
TEREX (GM)													
7020	S-23E 26.5T 23 CY P.S. 310 HP D	262,627	71.17	92.01	16.35	31.70	11.36	37.09	14.86	660			
7025	S-24B 40.8T 24-34 CY P.S. 475 HP D	417,518	108.44	140.69	25.94	50.19	15.63	58.71	20.54	955			
7030	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	268,533	71.50	93.26	16.79	32.67	10.02	38.24	12.99	544			
7035	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	454,442	126.54	164.88	28.42	55.34	21.53	64.77	27.93	960			
7040	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	534,914	148.53	193.59	33.44	65.12	24.94	76.22	32.35	1084			
SCRAPER, TRACTOR DRAWN													

ROME													
7055	ROME 18T 12-17CY HYDR/CONTROL	75,532	14.13	16.90	4.38	7.98	0.00	8.99	0.00	235			
7060	ROME 27T 18-26CY HYDR/CONTROL	100,267	19.09	22.91	5.75	10.35	0.00	11.64	0.00	365			
SOUTHWEST-HUME													
7070	SOUTHWEST DSL8 DRAG SCRAPER 8.8 CY	38,553	7.33	8.78	2.21	3.99	0.00	4.49	0.00	137			
SOIL STABILIZER													

BOMAG													
7080	BOMAG MPH-50 12"DEEP BY 82"WIDE 152 HP D	94,898	27.00	34.86	6.04	11.54	5.57	13.47	7.29	208			
7085	BOMAG MPH-100 14.5"DEEP X 79"WIDE 304 HP D	149,835	45.92	59.47	9.51	18.15	11.14	21.17	14.57	300			
BROS													
7095	BROS LSPRM-8A 19"DEEP X 99.75"WIDE 318 HP D	135,529	42.74	54.90	8.65	16.60	11.66	19.38	15.24	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	39,398	12.66	16.14	2.54	4.74	2.51	5.50	3.30				
7110	3P POWER ANGLE & POWER TILT		7,950	1.72	2.16	0.51	0.98	0.00	1.15	0.00				
7115	D-4E P.S.	80 HP D	54,923	17.06	21.76	3.52	6.59	3.08	7.67	4.06				
7120	4A ANGLE BLADE HYDRAULIC		10,547	2.27	2.84	0.68	1.31	0.00	1.53	0.00				
7125	4S STRAIGHT BLADE HYDRAULIC		8,007	1.74	2.18	0.51	0.99	0.00	1.16	0.00				
7130	D-5B P.S.	105 HP D	81,096	24.53	31.22	5.21	9.74	4.05	11.32	5.33				
7135	5A ANGLE BLADE HYDRAULIC		13,140	2.80	3.52	0.84	1.63	0.00	1.90	0.00				
7140	5S STRAIGHT BLADE HYDRAULIC		10,344	2.22	2.79	0.67	1.28	0.00	1.50	0.00				
7145	D-6D P.S.	140 HP D	110,017	33.15	42.20	7.07	13.22	5.40	15.36	7.11				
7150	6S STRAIGHT BLADE HYDRAULIC		13,390	2.85	3.58	0.86	1.66	0.00	1.93	0.00				
7155	6A ANGLE BLADE HYDRAULIC		15,080	3.20	4.02	0.97	1.87	0.00	2.18	0.00				
7160	D-7G P.S.	200 HP D	160,874	48.21	61.36	10.33	19.32	7.71	22.46	10.15				
7165	7S STRAIGHT BLADE HYDRAULIC		20,746	4.38	5.51	1.33	2.57	0.00	3.00	0.00				
7170	7U HYD. UNIVERSAL BLADE		22,732	4.78	6.03	1.45	2.81	0.00	3.29	0.00				
7175	7A ANGLE BLADE HYDRAULIC		18,102	3.83	4.82	1.16	2.24	0.00	2.62	0.00				
7180	D-8L P.S.	335 HP D	252,235	72.27	92.29	16.10	32.13	12.91	37.73	17.00				
7185	8S STRAIGHT BLADE HYDRAULIC		30,285	6.39	8.04	1.94	3.75	0.00	4.38	0.00				
7190	8U HYD. UNIVERSAL BLADE		33,380	7.04	8.87	2.14	4.13	0.00	4.83	0.00				
7195	8A ANGLE BLADE HYDRAULIC		30,384	6.42	8.08	1.95	3.76	0.00	4.39	0.00				
7200	PUSH PLATE USE W/8S		885	0.23	0.28	0.06	0.11	0.00	0.13	0.00				
7205	D-9L P.S.	460 HP D	336,738	86.16	106.87	20.08	37.91	17.73	42.89	23.35				
7210	9S STRAIGHT BLADE HYDRAULIC		41,877	8.84	11.14	2.68	5.18	0.00	6.06	0.00				
7215	9U HYD. UNIVERSAL BLADE		44,254	9.34	11.77	2.83	5.47	0.00	6.40	0.00				
7220	9C CUSHION BLADE		36,884	7.80	9.81	2.37	4.57	0.00	5.33	0.00				
7225	REAR CUSHION PUSH BLOCK		10,900	2.38	2.97	0.70	1.35	0.00	1.57	0.00				
7230	FRONT PUSH PLATE		1,186	0.32	0.39	0.07	0.14	0.00	0.17	0.00				
7235	D-10 P.S.	700 HP D	564,514	141.04	174.69	33.66	63.55	26.98	71.91	35.53				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) (CONT'D) *****														
CATERPILLAR (CONT'D)														
7240	10S	STRAIGHT BLADE HYDRAULIC	63,562	13.44	16.91	4.08	7.87	0.00	9.19	0.00	280			
7245	10U	HYD. UNIVERSAL BLADE	69,849	14.74	18.56	4.47	8.64	0.00	10.10	0.00	286			
7250		FRONT PUSH PLATE	1,368	0.36	0.44	0.09	0.17	0.00	0.20	0.00	8			
7255	10C	CUSHION BLADE	47,126	9.95	12.53	3.02	5.83	0.00	6.82	0.00	198			
FIAT-ALLIS														
7265	FD5 P.S. W/HYD. ANGLE TILT BLADE	63 HP D	44,739	13.79	17.58	2.87	5.37	2.43	6.25	3.20	140			
7270	FD7 P.S. W/POW. ANGLE TILT BLADE	78 HP D	52,763	16.47	20.98	3.39	6.34	3.01	7.36	3.96	175			
7275	8-B P.S.	88 HP D	59,125	18.49	23.57	3.80	7.11	3.39	8.26	4.47	215			
7280	8-HA ANGLE BLADE HYDRAULIC		9,181	1.98	2.47	0.59	1.14	0.00	1.32	0.00	30			
7285	8-HSU SEMI-U BLADE HYDRAULIC		9,168	1.94	2.44	0.58	1.13	0.00	1.32	0.00	30			
7290	10-C P.S.	122 HP D	82,002	25.62	32.66	5.27	9.85	4.70	11.45	6.19	280			
7295	10-HA ANGLE BLADE HYDRAULIC		10,223	2.19	2.76	0.65	1.26	0.00	1.48	0.00	36			
7300	10-HSU SEMI-U BLADE HYDRAULIC		12,504	2.64	3.31	0.80	1.55	0.00	1.80	0.00	38			
7305	14-C P.S.	150 HP D	107,078	32.97	42.01	6.88	12.86	5.78	14.95	7.61	335			
7310	14-HA ANGLE BLADE HYDRAULIC		15,648	3.32	4.18	1.00	1.94	0.00	2.27	0.00	51			
7315	14-HSU SEMI-U BLADE HYDRAULIC		15,624	3.28	4.13	1.00	1.93	0.00	2.25	0.00	51			
7320	FD 20 P.S.	223 HP D	162,259	49.74	63.37	10.42	19.49	8.59	22.65	11.32	535			
7325	20-HA ANGLE BLADE HYDRAULIC		16,667	3.54	4.44	1.07	2.07	0.00	2.41	0.00	66			
7330	20-HS STRAIGHT BLADE HYDRAULIC		17,501	3.70	4.66	1.12	2.16	0.00	2.53	0.00	66			
7335	20-HSU SEMI-U BLADE HYDRAULIC		23,748	4.97	6.26	1.52	2.94	0.00	3.43	0.00	79			
7340	FD 30 P.S.	300 HP D	249,804	70.01	89.34	15.95	31.82	11.56	37.37	15.23	775			
7345	30HSU HYD. SEMI-UNIVERSAL BLADE		33,086	6.96	8.77	2.12	4.09	0.00	4.78	0.00	127			
7350	30-HU FULL-U BLADE HYDRAULIC		33,568	7.04	8.88	2.15	4.15	0.00	4.85	0.00	114			
7355	FD40 P.S.	455 HP D	359,837	90.33	111.91	21.46	40.51	17.54	45.84	23.10	1128			
7360	40-HSU SEMI-U BLADE HYDRAULIC		50,051	10.57	13.32	3.21	6.19	0.00	7.24	0.00	222			
7365	40-HU FULL-U BLADE HYDRAULIC		51,231	10.85	13.66	3.28	6.34	0.00	7.41	0.00	254			

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

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

FIAT-ALLIS (CONT'D)													
7370	40-HC	CUSHION BLADE	31,988	6.74	8.48	2.05	3.96	0.00	4.62	0.00	120		
7375	FD 50	P.S. 525 HP D	483,580	117.25	144.95	28.83	54.43	20.23	61.60	26.65	1280		
7380	50-HSU	SEMI-U BLADE HYDRAULIC	57,636	12.19	15.34	3.69	7.13	0.00	8.34	0.00	250		
7385	50-HU	FULL-U BLADE HYDRAULIC	65,969	13.90	17.50	4.22	8.16	0.00	9.53	0.00	280		
7390	50-HC	CUSHION BLADE	36,822	7.73	9.75	2.35	4.55	0.00	5.32	0.00	140		
INTERNATIONAL													
7400	TD-7-E	P.S. W/HYD BLADE 65 HP D	49,431	15.00	19.10	3.17	5.93	2.51	6.90	3.30	139		
7405	TD-8-E	P.S. W/HYD BLADE 78 HP D	61,988	18.63	23.71	3.99	7.45	3.01	8.65	3.96	172		
7410	TD-12	P.S. W/HYD BLADE 110 HP D	90,589	27.02	34.37	5.82	10.88	4.24	12.65	5.58	267		
7415	TD-15-C	P.S. 140 HP D	117,962	35.01	44.55	7.58	14.17	5.40	16.47	7.11	271		
7420	15D-2	HYD. SEMI-UNIVERSAL BLADE	12,764	2.69	3.39	0.82	1.58	0.00	1.85	0.00	46		
7425	15G-2	ANGLE BLADE HYDRAULIC	14,393	3.04	3.81	0.93	1.79	0.00	2.08	0.00	50		
7430	TD-20-E	P.S. 210 HP D	183,425	54.02	68.73	11.78	22.03	8.09	25.61	10.66	476		
7435	20D-2	HYD. SEMI-UNIVERSAL BLADE	22,587	4.73	5.96	1.45	2.80	0.00	3.27	0.00	61		
7440	20G-2	ANGLE BLADE HYDRAULIC	15,256	3.20	4.05	0.97	1.88	0.00	2.21	0.00	71		
7445	TD-25-E	P.S. 310 HP D	235,669	67.38	86.04	15.05	30.02	11.95	35.25	15.74	700		
7450	25D-2	HYD. SEMI-UNIVERSAL BLADE	27,812	5.85	7.37	1.78	3.44	0.00	4.02	0.00	113		
7455	25G-2	ANGLE BLADE HYDRAULIC	22,964	4.87	6.14	1.47	2.84	0.00	3.33	0.00	115		
7460	FRONT PUSHER CUSHION		9,652	2.08	2.61	0.62	1.20	0.00	1.40	0.00	29		
7465	REAR PUSHER CUSHION		5,606	1.30	1.60	0.36	0.70	0.00	0.81	0.00	23		
7470	FRONT PUSH BLK FOR S/BLD		875	0.26	0.31	0.06	0.11	0.00	0.13	0.00	12		
JOHN DEERE													
7480	JD350C/6305	D.D. W/HYD BLADE 42 HP D	34,250	10.23	13.02	2.20	4.11	1.62	4.78	2.13	107		
7485	JD450C/6405	D.D. W/HYD BLADE 65 HP D	48,456	14.77	18.81	3.11	5.82	2.51	6.76	3.30	143		
7490	JD550/6405	P.S. W/HYD BLADE 72 HP D	58,068	17.39	22.14	3.73	6.98	2.77	8.11	3.65	156		
7495	JD750 LPG	H.S. W/STR BLADE 110 HP D	108,122	31.13	39.56	6.95	12.99	4.24	15.10	5.58	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	143,714	41.30	52.49	9.23	17.26	5.59	20.06	7.36 449				
KOMATSU														
7510	D31A-17 H.S.	66 HP D	40,566	12.97	16.56	2.61	4.87	2.54	5.67	3.35 132				
7515	ANGLE TILTDOZER BLADE		6,572	1.41	1.77	0.42	0.81	0.00	0.95	0.00 20				
7520	D45A-1 H.S.	90 HP D	60,869	18.99	24.21	3.91	7.31	3.47	8.50	4.57 200				
7525	ANGLE TILTDOZER BLADE		4,699	1.02	1.28	0.30	0.58	0.00	0.68	0.00 24				
7530	D53A-16A H.S.	118 HP D	89,036	27.07	34.47	5.72	10.69	4.55	12.43	5.99 246				
7535	ANGLE TILTDOZER BLADE		7,826	1.67	2.10	0.51	0.97	0.00	1.13	0.00 42				
7540	D65E-6 H.S.	155 HP D	126,182	37.71	48.01	8.10	15.15	5.97	17.62	7.87 377				
7545	ANGLE TILTDOZER BLADE		10,219	2.16	2.73	0.65	1.26	0.00	1.48	0.00 61				
7550	D85A-18 H.S.	220 HP D	159,110	48.84	62.24	10.21	19.10	8.48	22.22	11.17 437				
7555	ANGLE TILTDOZER BLADE		15,993	3.39	4.26	1.03	1.98	0.00	2.31	0.00 99				
7560	U-DOZER BLADE		17,065	3.63	4.57	1.09	2.11	0.00	2.47	0.00 104				
7565	D155A-1 H.S.	320 HP D	228,063	66.18	84.56	14.56	29.05	12.33	34.12	16.24 690				
7570	ANGLE TILTDOZER BLADE		21,951	4.69	5.88	1.41	2.72	0.00	3.17	0.00 140				
7575	U-DOZER BLADE		23,183	4.94	6.21	1.48	2.87	0.00	3.36	0.00 142				
7580	D355A-3 H.S.	410 HP D	306,507	87.95	112.33	19.57	39.04	15.80	45.84	20.81 945				
7585	U-DOZER BLADE		29,839	6.38	8.01	1.92	3.70	0.00	4.32	0.00 196				
7590	STRAIGHT DOZER BLADE		27,169	5.80	7.29	1.74	3.36	0.00	3.93	0.00 184				
7595	D455A-1 H.S.	620 HP D	542,612	133.03	164.57	32.36	61.08	23.89	69.11	31.47 1445				
7600	FULL U-DOZER BLADE		71,778	15.09	19.02	4.60	8.88	0.00	10.38	0.00 229				
7605	U-DOZER BLADE		67,461	14.17	17.85	4.32	8.35	0.00	9.75	0.00 211				
7610	STRAIGHT DOZER BLADE		63,141	13.26	16.71	4.05	7.82	0.00	9.13	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.	OWNER-SHIP	FUEL	OWNER-SHIP				
TRACTOR, CRAWLER (DOZER) (CONT'D) *****													
TEREX (GM)													
7620	D700A P.S. (W/O BLADE)	205 HP D	162,264	48.80	62.13	10.42	19.49	7.90	22.65	10.41	409		
7625	SEMI-U BLADE HYDRAULIC		15,840	3.33	4.19	1.02	1.96	0.00	2.29	0.00	58		
7630	ANGLE BLADE HYDRAULIC		17,739	3.72	4.70	1.13	2.19	0.00	2.57	0.00	69		
7635	FULL-U BLADE HYDRAULIC		18,160	3.81	4.81	1.16	2.25	0.00	2.63	0.00	68		
7640	D750 P.S. (W/O BLADE)	260 HP D	189,398	54.68	69.86	12.09	24.12	10.02	28.33	13.20	555		
7645	SEMI-U BLADE HYDRAULIC		22,395	4.68	5.91	1.44	2.77	0.00	3.24	0.00	91		
7650	ANGLE BLADE HYD. W/DUAL TILT		29,377	6.13	7.73	1.89	3.64	0.00	4.24	0.00	118		
7655	FULL-U BLADE HYDRAULIC		24,444	5.11	6.44	1.57	3.03	0.00	3.53	0.00	107		
7660	D800 P.S. (W/O BLADE)	350 HP D	253,558	73.31	93.64	16.19	32.30	13.49	37.93	17.77	787		
7665	SEMI-U BLADE HYDRAULIC		29,260	6.17	7.77	1.87	3.62	0.00	4.23	0.00	118		
7670	FULL-U BLADE HYDRAULIC		32,076	6.77	8.52	2.06	3.97	0.00	4.64	0.00	129		
7675	CUSHIONED PUSH BLADE		28,032	5.91	7.44	1.80	3.47	0.00	4.05	0.00	113		
7680	PUSH PLATE (WELD ON)		1,182	0.29	0.36	0.07	0.14	0.00	0.17	0.00	6		
7685	PUSH BLOCK (CUSHION REAR)		7,508	1.66	2.08	0.48	0.93	0.00	1.09	0.00	21		
TRACTOR, WHEEL TYPE (DOZER) *****													
CATERPILLAR													
7695	814-B ARTICULATED ST BLADE P.S. 210 HP D		161,112	41.55	54.31	10.17	19.25	7.50	22.42	9.87	494		
7700	824-C ARTICULATED ST BLADE P.S. 300 HP D		236,373	62.10	83.07	14.78	27.69	10.72	32.22	14.10	624		
7705	834-B ARTICULATED ST BLADE P.S. 450 HP D		339,219	88.14	117.16	21.08	39.22	16.07	45.59	21.15	892		
CLARK													
7715	280B ARTICULATED ST BLADE P.S. 302 HP D		258,062	66.43	88.68	16.15	30.29	10.79	35.26	14.19	749		
7720	380B ARTICULATED ST BLADE P.S. 572 HP D		436,439	113.34	151.13	27.07	50.27	20.43	58.43	26.88	1253		

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, WHEEL TYPE (FARM) *****															
JOHN DEERE															
7730	MOD 301 A	43 HP D	13,788	4.70	6.16	0.87	1.64	1.54	1.90	2.02	38				
7735	MOD 302	50 HP D	15,530	5.35	6.98	0.98	1.85	1.79	2.15	2.35	42				
7740	MOD 401 B	62 HP D	17,564	6.29	8.23	1.11	2.08	2.21	2.42	2.91	45				
TRENCHER, CHAIN *****															
DITCH WITCH															
7750	MOD C99 6"x24" TRENCH	9 HP G	3,311	1.62	2.09	0.21	0.40	0.69	0.46	0.90	6				
7755	MOD 2200 8"x36" TRENCH	18 HP G	13,464	4.74	6.06	0.86	1.64	1.38	1.91	1.80	30				
7760	MOD 2300 10"x36" TRENCH	28 HP G	18,734	6.86	8.78	1.20	2.29	2.14	2.67	2.79	33				
7765	MOD 6510 12"x54" TRENCH	64 HP D	34,157	10.47	13.41	2.17	4.14	2.29	4.83	3.01	106				
7770	MOD R100 10"x72" TRENCH	105 HP D	69,951	20.21	25.84	4.44	8.50	3.75	9.93	4.93	176				
VERMEER															
7785	MOD V-430 10"x40" TRENCH	24 HP D	22,966	6.14	7.83	1.47	2.81	0.86	3.28	1.13	37				
7790	MOD M-455 18"x72" TRENCH	44 HP D	45,117	11.95	15.24	2.88	5.50	1.57	6.42	2.07	82				
7795	MOD M-475 18"x72" TRENCH	55 HP D	49,867	13.49	17.20	3.18	6.09	1.96	7.10	2.58	89				
7800	MOD T-6000 24"x96" TRENCH	113 HP D	78,831	22.41	28.59	5.05	9.74	4.04	11.37	5.31	202				
7805	MOD T-800B 36"x96" TRENCH	175 HP D	155,542	42.01	53.52	9.96	19.21	6.25	22.44	8.22	419				
TRENCHER, WHEEL TYPE *****															
BARBER-GREENE															
7815	MOD TA 56 16"x5'-10" TRENCH	100 HP D	128,299	32.62	41.49	8.21	15.84	3.57	18.51	4.70	254				
7820	MOD TA 65 28"x7'-6" TRENCH	160 HP D	187,548	48.33	61.48	12.01	23.16	5.72	27.06	7.52	431				
7825	MOD TA 77 32"x8'-6" TRENCH	160 HP D	239,716	59.73	75.90	15.35	29.60	5.72	34.58	7.52	605				

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

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

CLEVELAND													
7835	MOD 236 17"X72" TRENCH	67 HP D	103,092	25.60	32.53	6.60	12.73	2.39	14.87	3.15 180			
7840	MOD 236HD 21"X72" TRENCH	67 HP D	112,232	27.60	35.05	7.19	13.86	2.39	16.19	3.15 200			
7845	MOD 246 25"X72" TRENCH	67 HP D	115,625	28.34	35.99	7.40	14.28	2.39	16.68	3.15 206			
7850	MOD 350 30"X90" TRENCH	150 HP D	219,641	54.88	69.74	14.06	27.12	5.36	31.69	7.05 455			
7855	MOD 400WHD36"X114" TRENCH	175 HP D	272,341	67.56	85.81	17.45	33.64	6.25	39.29	8.22 659			
TRUCKS, HIGHWAY													

(CHASSIS ONLY)													
FORD													
7870	F150 4X2 1/2T PKUP	6100 GVW 157 HP G	7,421	5.77	7.49	0.58	1.23	2.73	1.41	3.64 38			
7875	F150 4X4 1/2T PKUP	6250 GVW 157 HP G	9,211	6.32	8.20	0.71	1.53	2.73	1.76	3.64 42			
7880	F250 4X2 3/4T PKUP	6900 GVW 157 HP G	7,898	5.94	7.70	0.61	1.28	2.73	1.47	3.64 40			
7885	F250 4X4 3/4T PKUP	7400 GVW 157 HP G	9,558	6.48	8.39	0.74	1.57	2.73	1.80	3.64 44			
7890	F350 2AX	10000 GVW 157 HP G	9,026	6.35	8.23	0.69	1.45	2.73	1.66	3.64 42			
7895	F600 2AX	18500 GVW 154 HP G	16,340	11.96	15.59	1.11	2.14	6.25	2.63	8.04 65			
7900	F600 2AX	18500 GVW 162 HP D	22,647	9.97	13.17	1.55	3.02	3.76	3.70	4.89 65			
7905	F700 2AX	24500 GVW 177 HP G	18,923	13.77	17.91	1.30	2.51	7.19	3.06	9.24 65			
7910	F700 2AX	24500 GVW 162 HP D	25,585	10.62	14.06	1.76	3.43	3.76	4.21	4.89 73			
7915	F800 2AX	27000 GVW 177 HP G	20,855	14.25	18.56	1.42	2.75	7.19	3.37	9.24 72			
7920	F800 2AX	27000 GVW 162 HP D	26,821	11.18	14.75	1.82	3.48	3.76	4.25	4.89 76			
7925	LT800 3AX	43000 GVW 223 HP G	32,538	25.63	33.45	2.22	4.44	13.45	5.47	17.33 110			
7930	LT8000 3AX	44800 GVW 175 HP D	44,673	18.51	24.54	3.06	6.13	6.09	7.57	7.92 126			
7935	LTS8000 3AX	46000 GVW 175 HP D	46,760	19.00	25.17	3.20	6.42	6.09	7.92	7.92 130			
7940	LNT8000 3AX	46000 GVW 175 HP D	44,210	18.42	24.40	3.01	6.05	6.09	7.48	7.92 124			
7945	CT8000 3AX	46000 GVW 175 HP D	51,551	20.08	26.63	3.53	7.11	6.09	8.78	7.92 136			
7950	LT9000 3AX 58000 GVW	82000 GVW 239 HP D	67,895	26.82	35.59	4.65	9.36	8.32	11.57	10.81 172			
7955	LTS9000 3AX 60000 GVW	82000 GVW 239 HP D	72,131	27.82	36.94	4.94	9.93	8.32	12.27	10.81 180			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE OWNERSHIP	SEVERE OWNERSHIP	COND. FUEL	SEVERE COND. FUEL										
			AVERAGE	SEVERE															
TRUCKS, HIGHWAY (CONT'D)																			
(CHASSIS ONLY)																			
FORD (CONT'D)																			
7960	LNT9000	3AX 60000 GVW 82000 GOW 239 HP D	68,417	26.99	35.80	4.68	9.40	8.32	11.60	10.81	175								
7965	CLT9000	3AX 82000 GOW 286 HP D	67,224	28.68	38.01	4.62	9.31	9.95	11.50	12.94	149								
GMC AND CHEVROLET																			
7975	C10903	4X2 1/2T PKUP 6100 GVW 165 HP G	8,232	6.21	8.06	0.64	1.36	2.87	1.56	3.83	46								
7980	C10906	4X2 SUBURBAN 6800 GVW 160 HP G	10,524	6.78	8.75	0.82	1.75	2.78	2.00	3.71	52								
7985	K10906	4X4 SUBURBAN 7000 GVW 165 HP G	11,445	7.17	9.27	0.89	1.90	2.87	2.19	3.83	56								
7990	C20903	4X2 3/4T PKUP 8600 GVW 165 HP G	10,812	6.97	9.00	0.84	1.79	2.87	2.05	3.83	49								
7995	K20903	4X4 3/4T PKUP 6600 GVW 165 HP G	11,515	7.22	9.33	0.90	1.91	2.87	2.19	3.83	54								
8000	C30903	2AX 9000 GVW 160 HP G	10,600	6.88	8.90	0.81	1.71	2.78	1.96	3.71	62								
8005	C5D042	2AX 18500 GVW 161 HP G	15,070	12.06	15.68	1.03	1.97	6.54	2.41	8.40	59								
8010	C6D042	2AX 19200 GVW 161 HP G	16,360	12.35	16.06	1.12	2.15	6.54	2.63	8.40	63								
8015	C6D042	2AX 23160 GVW 165 HP D	23,196	10.18	13.45	1.59	3.10	3.83	3.80	4.98	73								
8020	C7D042	2AX 23160 GVW 179 HP G	17,357	13.57	17.64	1.17	2.26	7.27	2.77	9.34	78								
8025	C7D042	2AX 29900 GVW 225 HP D	34,627	14.59	19.29	2.37	4.61	5.22	5.65	6.79	96								
8030	C7D064	3AX 44860 GVW 207 HP G	31,154	24.21	31.58	2.10	4.16	12.49	5.12	16.09	123								
8035	C7D064	3AX 44500 GVW 205 HP D	37,432	18.28	24.14	2.54	5.07	7.13	6.25	9.27	127								
8040	J8C042	2AX 33200 GVW 235 HP D	42,928	20.63	27.28	2.95	5.94	8.18	7.34	10.63	107								
8045	J8C064	3AX 48860 GVW 210 HP D	48,256	20.94	27.73	3.30	6.62	7.31	8.18	9.50	140								
8050	J9C042	2AX 53911 GVW 230 HP D	47,571	17.69	23.43	3.26	6.36	5.34	7.80	6.94	122								
8055	J9C064	3AX 48860 GVW 300 HP D	56,180	26.73	35.36	3.85	7.76	10.44	9.59	13.57	144								
8060	J9E064	3AX 52000 GVW 307 HP D	58,159	27.59	36.46	3.97	7.97	10.68	9.84	13.89	141								
8065	N9E064	3AX 62000 GVW 307 HP D	67,873	29.92	39.61	4.64	9.31	10.68	11.50	13.89	180								
INTERNATIONAL																			
8075	1654	2AX 16000 GVW 155 HP D	17,285	8.51	11.23	1.19	2.31	3.60	2.83	4.67	57								
8080	1724	2AX 16000 GVW 147 HP G	15,422	11.33	14.75	1.05	2.05	5.97	2.51	7.67	65								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT								
			CONDITION		STAND-BY	AVERAGE OWNERSHIP	SEVERE OWNERSHIP	FUEL									
			AVERAGE	SEVERE													
TRUCKS, HIGHWAY (CONT'D)																	
***** (CHASSIS ONLY)																	
INTERNATIONAL (CONT'D)																	
8085	1754	2AX	16000 GVW 165 HP D	22,215	9.90	13.07	1.53	2.99	3.83	3.67	4.98	71					
8090	1954	2AX	21700 GVW 180 HP D	28,026	11.68	15.45	1.92	3.76	4.18	4.62	5.43	100					
8095	F2554	3AX	43000 GVW 210 HP D	44,828	20.16	26.68	3.05	6.12	7.31	7.56	9.50	123					
8100	F2574	3AX	50000 GVW 230 HP D	59,316	24.31	32.25	4.07	8.21	8.00	10.14	10.41	123					
8105	F4370	3AX	48860 GVW 300 HP D	62,256	28.09	37.20	4.27	8.63	10.44	10.66	13.57	133					
8110	F5050	3AX	54000 GVW 210 HP D	60,613	23.73	31.50	4.16	8.40	7.31	10.38	9.50	138					
8115	F5070	3AX	54000 GVW 230 HP D	63,352	25.21	33.49	4.35	8.78	8.00	10.86	10.41	140					
KENWORTH																	
8125	K100	3AX	48000 GVW 85000 GOW 300 HP D	66,652	29.11	38.59	4.58	9.24	10.44	11.43	13.57	138					
8130	W900	3AX	48000 GVW 85000 GOW 300 HP D	67,163	29.23	38.73	4.62	9.32	10.44	11.51	13.57	140					
8135	C500	3AX	56000 GVW 85000 GOW 270 HP D	72,217	29.04	38.54	4.97	10.05	9.40	12.42	12.21	144					
PETERBILT																	
8145	MOD 348	3AX	50000 GVW 85000 GOW 245 HP D	74,112	28.58	37.99	5.08	10.25	8.53	12.67	11.08	121					
8150	MOD 362	3AX	46000 GVW 85000 GOW 300 HP D	65,025	28.75	38.08	4.47	9.01	10.44	11.13	13.57	131					
8155	MOD 359	3AX	46000 GVW 85000 GOW 300 HP D	62,698	28.22	37.38	4.30	8.67	10.44	10.72	13.57	134					
8160	MOD 353	3AX	56000 GVW 130000 GOW 350 HP D	69,925	32.08	42.47	4.81	9.71	12.18	12.01	15.83	174					
TRUCK ACCESSORIES																	
***** (CHASIS NOT INCLUDED)																	
CRANES, HYDRAULIC																	
8170	5.3T@5' RAD	24000 GVW MIN		25,807	6.22		1.81	3.73	0.00		79						
8175	8.0T@3' RAD	26500 GVW MIN		31,032	7.44		2.17	4.47	0.00		84						
8180	12.5T@4' RAD	27000 GVW MIN		48,043	11.48		3.36	6.93	0.00		142						
8185	13.5T@4' RAD	44000 GVW MIN		59,436	14.18		4.16	8.58	0.00		158						
8190	15.0T@4' RAD	48000 GVW MIN		65,713	15.66		4.60	9.48	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.	OWNER-SHIP	FUEL				
TRUCK ACCESSORIES (CONT'D) ***** (CHASIS NOT INCLUDED)												
DUMP BODY, REAR, W/HOIST												
8200	5CY 24000 TO 26000 GVW	6,179	1.55	2.07	0.43	0.89	0.00	1.11	0.00	26		
8205	AIR GATE 8CY 27000 TO 30000 GVW	9,763	2.40	3.22	0.68	1.41	0.00	1.75	0.00	44		
8210	AIR GATE 10CY 36000 AND UP GVW	9,871	2.43	3.24	0.70	1.43	0.00	1.76	0.00	45		
8215	AIR GATE 12CY 36000 AND UP GVW	10,013	2.46	3.29	0.70	1.44	0.00	1.79	0.00	46		
FLATBEDS W/CONT. SIDES												
8225	8'X9.5'	1,987	0.47		0.14	0.29	0.00			11		
8230	8'X10.5'	2,050	0.48		0.14	0.29	0.00			12		
8235	8'X12.5'	2,240	0.53		0.16	0.32	0.00			14		
8240	8'X14.5'	2,662	0.63		0.19	0.38	0.00			16		
8245	8'X16.5'	2,916	0.69		0.20	0.42	0.00			18		
8250	FLATBED-HOIST	2,773	0.66		0.20	0.40	0.00			10		
HOISTS, ELECTRIC												
8260	1500LB@1.75'	2,368	0.65		0.17	0.34	0.00			4		
8265	2400LB@3'	2,752	0.73		0.19	0.39	0.00			6		
8270	5000LB@4'	7,606	1.88		0.53	1.09	0.00			15		
8275	6000LB@6'	8,584	2.12		0.60	1.24	0.00			14		
TRANSIT MIXERS												
8285	7 CY 40000 - 50000 GVW RQD	26,803	6.48		1.88	3.87	0.00			63		
8290	8 CY 50000 - 70000 GVW RQD	27,217	6.58		1.91	3.93	0.00			66		
8295	8.5CY 55000 - 75000 GVW RQD	27,496	6.64		1.92	3.96	0.00			68		
8300	9 CY 61000 - 80000 GVW RQD	27,887	6.73		1.95	4.02	0.00			73		
WATER TANKS												
8310	2000 GAL 23500-28000 GVW	11,933	2.82		0.84	1.72	0.00			35		
8315	2500 GAL 25000-34950 GVW	12,570	2.98		0.88	1.82	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 COND.	SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL			
	TRUCK ACCESSORIES (CONT'D) ***** (CHASIS NOT INCLUDED)									
	WATER TANKS (CONT'D)									
8320	3000 GAL 29000-40000 GW	13,357	3.16		0.93	1.92	0.00		44	
	TRUCK TRAILERS *****									
	BOTTOM DUMP									
8330	18CY 27T	26,147	5.36	6.69	1.62	3.13	0.00	3.65	0.00	122
8335	20CY 30T	31,024	6.29	7.88	1.94	3.75	0.00	4.38	0.00	140
8340	30CY 30T	31,300	6.34	7.94	1.95	3.78	0.00	4.42	0.00	160
8345	28CY 42T	37,315	7.56	9.48	2.32	4.49	0.00	5.24	0.00	180
8350	20CY 35T OFF-HIGHWAY	44,091	8.85	11.11	2.75	5.35	0.00	6.26	0.00	175
8355	32CY 55T OFF-HIGHWAY	93,541	19.11	23.96	5.76	11.02	0.00	12.87	0.00	365
8360	43CY 70T OFF-HIGHWAY	104,569	21.47	26.90	6.41	12.24	0.00	14.29	0.00	445
	END DUMP									
8370	20CY 24T	34,714	6.99	8.77	2.16	4.21	0.00	4.93	0.00	146
	LOWBOY, RIGID NECK, DROP DECK									
8380	25 TON 2 AXLE	20,574	3.79		1.28	2.22	0.00			89
8385	30 TON 2 AXLE	22,818	4.22		1.43	2.47	0.00			94
8390	35 TON 2 AXLE	24,883	4.59		1.55	2.68	0.00			109
8395	35 TON 3 AXLE	28,635	5.34		1.78	3.08	0.00			134
8400	40 TON 3 AXLE	29,882	5.59		1.86	3.19	0.00			144
8405	50 TON 3 AXLE	34,403	6.39		2.14	3.69	0.00			161
8410	60 TON 3 AXLE	37,145	6.95		2.30	3.93	0.00			188
8415	70 TON 3 AXLE	45,142	8.31		2.82	4.87	0.00			213
8420	75 TON 3 AXLE	46,525	8.54		2.91	5.03	0.00			228
8425	80 TON 4 AXLE	53,197	9.75		3.33	5.77	0.00			266
8430	90 TON 4 AXLE	57,318	10.52		3.58	6.20	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.	OWNERSHIP	FUEL				
TRUCK TRAILERS (CONT'D)												

LOWBOY (CONT'D)												
8435	100 TON 4 AXLE	64,359	11.77		4.02	6.97	0.00		313			
8440	120 TON 4 AXLE	74,775	13.89		4.63	7.93	0.00		351			
8445	HELPER DOLLY 60 T TRAILER MAX	17,688	3.38		1.09	1.85	0.00		62			
PLATFORM TRAILERS												
8455	25 TON 2 AXLE	16,628	3.19		1.02	1.72	0.00		110			
PUP TRAILERS												
8465	8 CY LONG TONGUE	20,614	3.89		1.28	2.19	0.00		86			
8470	10CY LONG TONGUE	20,775	3.92		1.29	2.21	0.00		86			
TILT TRAILERS												
8480	12 TON 2 AXLE	10,943	2.13		0.68	1.15	0.00		62			
8485	16 TON 2 AXLE	12,551	2.44		0.77	1.30	0.00		65			
8490	20 TON 2 AXLE	13,658	2.65		0.83	1.41	0.00		67			
WATER TANKER TRAILERS												
8500	4000 GAL	63 HP D	31,431	7.80		1.87	3.36	2.25	120			
8505	5000 GAL	63 HP D	33,159	8.16		1.96	3.47	2.25	150			
8510	6000 GAL	63 HP D	34,627	8.39		2.04	3.63	2.25	160			
TRUCKS, OFF-HIGHWAY												

CATERPILLAR												
8520	769-C 35T 22-30 CY	P.S. 450 HP D	291,807	66.34	84.53	17.13	31.69	10.15	35.77	13.11	711	
8525	773-B 50T 30-45 CY	P.S. 650 HP D	409,687	95.13	122.03	23.95	44.12	14.66	49.78	18.94	908	
8530	777 85T 47-67 CY	P.S. 870 HP D	570,212	129.22	165.51	33.09	60.46	19.63	68.15	25.35	1391	
8535	768C PRIME MOVER TRACTOR	P.S. 450 HP D	260,847	61.22	78.30	15.28	28.20	10.15	31.82	13.11	530	
8540	772B PRIME MOVER TRACTOR	P.S. 650 HP D	390,704	94.06	121.96	22.69	41.48	14.66	46.75	18.94	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 OWNER-SHIP	FUEL	SEVERE OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
TRUCKS, OFF-HIGHWAY (CONT'D) *****																			
DJB (ARTICULATED FRAME)																			
8550	D275B	27.5T 15-20 CY	P.S. 235 HP D	191,567	41.29	52.28	11.20	20.66	5.30	23.32	6.85	424							
8555	D330B	33T 17-23 CY	P.S. 255 HP D	230,739	48.50	61.15	13.53	25.03	5.75	28.25	7.43	444							
8560	D350B	35T 20-26 CY	P.S. 255 HP D	240,918	52.04	66.52	13.98	25.54	5.75	28.78	7.43	472							
8565	D550	55T 32-43 CY	P.S. 450 HP D	401,772	86.92	110.80	23.37	42.80	10.15	48.25	13.11	834							
EUCLID																			
8575	R25-215FD	25T 14-19 CY	P.S. 214 HP D	191,220	39.96	50.50	11.21	20.70	4.83	23.37	6.24	404							
8580	R35-302TD	35T 22-30 CY	P.S. 450 HP D	303,713	67.87	86.13	17.86	33.13	10.15	37.42	13.11	623							
8585	R50-301LD	50T 31-41 CY	P.S. 608 HP D	399,710	92.21	118.38	23.35	42.99	13.72	48.51	17.72	836							
8590	R75-301ND	75T 46-69 CY	P.S. 646 HP D	534,119	115.59	147.77	31.03	56.78	14.57	64.02	18.82	1123							
8595	R85-306ND	85T 52-67 CY	P.S. 755 HP D	549,841	122.39	156.93	31.89	58.18	17.03	65.56	22.00	1227							
INTERNATIONAL																			
8605	350B	50T 31-42 CY	P.S. 580 HP D	387,897	88.23	112.97	22.80	42.26	13.08	47.71	16.90	740							
TEREX																			
8615	33-03B	22T 15-18 CY	P.S. 215 HP D	168,938	37.06	47.22	9.91	18.33	4.85	20.70	6.27	400							
8620	33-05B	30T 19-23 CY	P.S. 321 HP D	243,972	53.90	68.72	14.31	26.46	7.24	29.86	9.35	525							
8625	33-07	40T 25-32 CY	P.S. 493 HP D	301,889	72.21	93.56	17.54	32.09	11.12	36.18	14.37	756							
8630	33-09	55T 34-44 CY	P.S. 624 HP D	407,081	95.97	124.23	23.66	43.31	14.08	48.83	18.18	992							
8635	33-11C	85T 51-65 CY	P.S. 840 HP D	573,063	128.78	164.91	33.26	60.78	18.95	68.51	24.48	1350							
WABCO																			
8645	HAULPAK35D	35T 23-29 CY	P.S. 420 HP D	301,384	67.02	85.29	17.69	32.76	9.48	36.99	12.24	630							
8650	HAULPAK50B	50T 31-40 CY	P.S. 576 HP D	419,702	94.54	121.15	24.54	45.24	12.99	51.05	16.78	792							
8655	HAULPAK60B	60T 34-48 CY	P.S. 642 HP D	453,201	104.12	134.20	26.41	48.50	14.48	54.70	18.71	900							
8660	75C	75T 44-57 CY	P.S. 679 HP D	509,265	111.94	143.04	29.61	54.21	15.32	61.12	19.79	950							
8665	85D	85T 47-67 CY	P.S. 818 HP D	566,546	127.05	162.74	32.88	60.06	18.45	67.68	23.84	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	134,846	29.77	36.42	8.01	13.80	5.36	15.43	7.05	320
8680	KT-60	6000 GAL. CAT 621B P.S. 330 HP D	237,330	56.13	69.04	14.02	23.98	11.79	26.77	15.51	564
8685	KT-80	8000 GAL. CAT 631D P.S. 450 HP D	326,105	77.25	95.09	19.22	32.78	16.07	36.59	21.15	740
8690	KT-100	10000 GAL. CAT 631D P.S. 450 HP D	334,446	78.58	96.67	19.72	33.67	16.07	37.60	21.15	798
8695	KT-100	10000 GAL. CAT 641B P.S. 550 HP D	375,806	90.83	111.98	22.11	37.62	19.65	41.98	25.85	931
8700	KT-120	12000 GAL. CAT 651B P.S. 550 HP D	395,894	94.03	115.76	23.32	39.76	19.65	44.39	25.85	1097
TRACTOR DRAWN - SOUTHWEST											
8710	STT-60	6000 GAL. CAT 621B P.S. 330 HP D	235,305	55.80	68.66	13.90	23.76	11.79	26.53	15.51	594
8715	STT-80	8000 GAL. CAT 631D P.S. 450 HP D	323,846	76.89	94.67	19.09	32.54	16.07	36.32	21.15	800
8720	STT-100	10000 GAL. CAT 631D P.S. 450 HP D	328,025	77.56	95.45	19.34	32.99	16.07	36.82	21.15	840
8725	STT-120	12000 GAL. CAT 651B P.S. 550 HP D	399,518	94.62	116.45	23.55	40.16	19.65	44.83	25.85	1054
8730	STT-140	14000 GAL. CAT 651B P.S. 550 HP D	405,503	95.58	117.57	23.91	40.80	19.65	45.54	25.85	1089
WAGONS, BOTTOM DUMP											
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
CATERPILLAR-ATHEY											
8740	621B/PW621B	33T 22-26CY P.S. 330 HP D	251,090	61.43	79.21	14.63	26.85	11.79	30.27	15.51	579
8745	768B/PW768C	63T 42-48CY P.S. 450 HP D	383,274	91.18	117.13	22.26	40.69	16.07	45.86	21.15	935
8750	772B/PW772B	100T 60-67CY P.S. 650 HP D	611,184	147.24	192.68	35.25	63.91	23.22	71.97	30.55	1350
EUCLID											
8760	B30-303TD/T301W	30T 21-27CY P.S. 277 HP D	228,966	55.24	71.29	13.30	24.31	9.89	27.39	13.02	483
8765	B70-203LDT/L47W	70T 47-62CY P.S. 423 HP D	388,673	86.58	109.16	22.86	42.41	15.11	47.89	19.88	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.		
					OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	WAGONS, REAR DUMP *****									
	CATERPILLAR-ATHEY									
8775	621B/PR621B 33T 22-26CY P.S. 330 HP D	263,375	63.57	81.87	15.35	28.17	11.79	31.77	15.51	630
8780	631D/PR631D 40T 27-32CY P.S. 450 HP D	373,851	89.04	114.50	21.82	40.12	16.07	45.25	21.15	833
	WATER BLASTER *****									
	AMERICAN AERO									
8790	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	33,564	18.62			2.67	5.97	4.79		42
8795	WBD150 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	50,813	29.71			4.05	9.06	8.42		70
	WATER TANKS *****									
	SKID MOUNTED									
8805	WST-8 8000 GAL. SOUTHWEST	15,416	2.38			0.93	1.69	0.00		107
8810	WST-10 10000 GAL. SOUTHWEST	17,963	2.77			1.08	1.97	0.00		122
8815	WST-12 12000 GAL. SOUTHWEST	20,900	3.22			1.26	2.29	0.00		142
	PORTABLE (WITH WHEELS)									
8825	EWT-8 8000 GAL. SOUTHWEST 8 HP G	28,041	5.17			1.67	3.00	0.61		130
8830	EWT-10 10000 GAL. SOUTHWEST 8 HP G	31,693	5.73			1.89	3.40	0.61		170
8835	EWT-12 12000 GAL. SOUTHWEST 8 HP G	35,155	6.26			2.09	3.78	0.61		185
	WELDERS *****									
	ELECTRIC DRIVE - AC 3 PHASE 60 HZ									
8845	300 AMP SKID MTD 20 HP E	2,394	1.94			0.17	0.33	1.14		7
8850	400 AMP SKID MTD 25 HP E	2,861	2.39			0.20	0.39	1.42		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	4,803	5.91	0.37	0.77	3.66		11				
8865	250 AMP	W/1 AXLE TRLR	39 HP G	5,050	5.98	0.39	0.81	3.66		17				
8870	300 AMP	W/1 AXLE TRLR	65 HP G	5,491	9.14	0.42	0.88	6.11		17				
8875	400 AMP	W/1 AXLE TRLR	69 HP G	6,991	10.04	0.55	1.13	6.48		21				
DIESEL ENGINE DRIVE														
8885	250 AMP	W/1 AXLE TRLR	27 HP D	6,538	3.34	0.50	1.05	1.19		21				
8890	300 AMP	W/1 AXLE TRLR	38 HP D	6,993	4.08	0.55	1.13	1.68		21				
8895	350 AMP	W/2 AXLE TRLR	38 HP D	7,863	4.33	0.61	1.25	1.68		25				
8900	400 AMP	W/2 AXLE TRLR	64 HP D	8,503	5.95	0.66	1.36	2.83		30				
MIG														
8910	300AMP W/WIRE FEED AND SHOP GEAR	10 HP E	2,440	1.21	0.17	0.34	0.57			5				
8915	450AMP W/WIRE FEED AND SHOP GEAR	20 HP E	2,510	1.96	0.18	0.35	1.14			5				
RECTIFIER														
8925	200 AMP	W/SHOP RUNNING GEAR	19 HP E	1,102	1.61	0.08	0.15	1.08		4				
8930	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,412	2.05	0.10	0.20	1.37		6				
8935	750 AMP	W/SHOP RUNNING GEAR	30 HP E	3,877	2.97	0.27	0.54	1.71		7				
8940	1000AMP	W/SHOP RUNNING GEAR	42 HP E	6,792	4.42	0.48	0.95	2.39		10				
TRANSFORMER-RECTIFIER														
8950	250 AMP	W/SHOP RUNNING GEAR	19 HP E	504	1.50	0.03	0.07	1.08		4				
8955	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,690	2.11	0.12	0.24	1.37		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 (.37)	= (+) \$11.10/Hr.
Adjusted Total Hourly Rate	= \$36.10/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	YEAR PURCHASED NEW											
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	
15	AGGREGATE SPREADERS	1.03	1.01	1.00	1.02	0.95	0.88	0.79					
30	AIR COMPRESSORS	1.05	1.00	1.00	0.98	0.91	0.96	0.88					
45	AIR TOOLS, SANDBLASTERS, ETC	1.05	1.00	1.00									
60	ASPHALT DISTRIBUTORS	1.03	1.01	1.00	1.02	0.95	0.88	0.80					
65	ASPHALT AND CONCRETE PAVERS	1.03	1.01	1.00	1.02	0.95	0.88	0.80					
70	ASPHALT KETTLES AND RECYCLERS BACKHOE (SEE KEY NO. 570-601)	1.04	1.02	1.00	0.97	0.90	0.80						
75	BROOMS	1.04	1.02	1.00	0.97	0.90	0.79	0.69					
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.97	0.90	0.80	0.70					
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	1.02	0.96	0.86	0.71					
95	BUCKETS, CONCRETE	1.03	1.01	1.00	1.02	0.96	0.85	0.70					
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.97	0.90	0.80						
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.97	0.90	0.80						
125	CONCRETE FINISHERS & BUGGIES	1.05	1.02	1.00	0.97	0.89							
130	CONCRETE SAWS	1.04	1.02	1.00	0.97	0.90	0.80						
135	CONCRETE VIBRATORS	1.05	1.00	1.00									
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.05	1.00	1.00	0.98	0.91							
150	0 THRU 25 TON	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.62			
165	OVER 25 TON THRU 50 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.62	0.58	0.53	
170	OVER 50 TON THRU 150 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.54	0.43
180	OVER 150 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.69	0.63	0.59	0.54	0.44
	DRAGLINE & CLAMSHELL, CRAWLER												
185	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.62			
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.62	0.58	0.53	
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	0.63	0.59	0.54	0.43
196	OVER 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.69	0.63	0.59	0.54	0.44
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	0.54	0.43
205	CRANES, TOWER CRANES & HYD. EXC., TRK MTD	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.62	0.58	0.52	0.41
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	0.59	0.54	
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	0.69	0.64	0.60	0.54	0.44
230	66 THRU 125 T	1.05	1.03	1.00	0.98	0.91	0.84	0.76	0.69	0.64	0.60	0.55	0.44
240	OVER 125 T	1.05	1.03	1.00	0.98	0.91	0.84	0.76	0.69	0.64	0.60	0.54	0.37
255	DRILL, AUGER	1.01	0.99	1.00	0.99	0.91	0.78	0.67					
270	DRILL, BLAST HOLE	1.01	0.99	1.00	0.99	0.91	0.78	0.67					
300	DRILL, CORE	1.01	0.99	1.00	0.99	0.91	0.78	0.67					
315	DRILL, ROTARY TO 11" DIA. HOLE	1.01	0.99	1.00	0.99	0.91	0.78	0.68	0.63	0.57	0.54	0.51	
330	DRILL, ROTARY OVER 11" DIA.	1.01	0.99	1.00	0.99	0.91	0.79	0.69	0.64	0.58	0.56	0.53	0.46
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.01	0.99	1.00	0.99	0.91	0.79	0.69	0.64	0.58	0.56	0.53	0.41
375	FORK LIFTS	1.04	1.02	1.00	0.97	0.90	0.80	0.69					
390	GRADERS	1.05	1.03	1.00	0.97	0.89	0.80	0.70	0.64	0.57			
420	GENERATORS	1.05	1.03	1.00	0.97	0.95	0.83						
435	HOIST	1.04	1.02	1.00	0.97	0.90	0.80	0.70					
	HYD. EXCAVATOR (SEE KEY NO. 570-601)												
440	LIGHT PLANTS	1.04	1.02	1.00	0.97	0.90	0.79						
450	LOADER, BELT	1.04	1.02	1.00	0.97	0.90	0.79	0.68					
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.02	1.00	1.00	0.96	0.87	0.78	0.69					
	LOADER, WHEEL TYPE												
465	0 THRU 225 HP	1.06	1.03	1.00	0.97	0.87	0.72	0.62					
470	OVER 225 HP	1.05	1.03	1.00	0.98	0.88	0.74	0.65	0.58	0.52			
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.06	1.03	1.00	0.97	0.87	0.72	0.62					

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	
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.02	1.00	0.97	0.89							
485	PIPELAYERS	1.02	1.00	1.00	0.96	0.86	0.77	0.67	0.59	0.52			
	PUMP, GROUT (SEE KEY NO. 105)												
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.97	0.90	0.79	0.69					
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.97	0.90	0.79	0.69					
510	RIPPERS	1.02	1.00	1.00	0.96	0.87	0.78						
525	ROLLERS, EXCEPT VIB. ROLLERS	1.08	1.05	1.00	0.91	0.84	0.75	0.67					
530	ROLLERS, VIBRATORY	1.08	1.06	1.00	0.90	0.83	0.75						
540	SCRAPERS, STANDARD	1.05	1.03	1.00	0.98	0.89	0.80	0.71					
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.05	1.03	1.00	0.98	0.89	0.80	0.71					
545	0 THRU 200 HP	1.05	1.03	1.00	0.97	0.89	0.80	0.70					
550	OVER 200 HP	1.05	1.03	1.00	0.98	0.89	0.80	0.71					
555	SCRAPERS, TRACTOR DRAWN	1.05	1.02	1.00	0.98	0.89	0.81	0.72	0.66	0.59			
560	SOIL STABILIZERS SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED	1.05	1.03	1.00	0.97	0.89	0.80	0.70					
570	0 THRU 1 CY	1.06	1.03	1.00	0.98	0.90	0.82						
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.74					
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63			
600	OVER 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59		
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	0.63	0.59	0.54	0.43
615	0 THRU 225 HP	1.02	1.00	1.00	0.96	0.87	0.78	0.68					
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.02	1.00	1.00	0.96	0.87	0.79	0.70					
625	OVER 425 HP	1.02	1.00	1.00	0.96	0.87	0.79	0.71	0.63	0.56			
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.02	1.00	1.00	0.96	0.87	0.78	0.69					
645	TRACTOR, WHEEL TYPE	1.05	1.03	1.00	0.99	0.90	0.80	0.69					
650	TRENCHER	1.04	1.02	1.00	0.93	0.81	0.69	0.59					
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.98	0.90	0.81	0.70					
660	TRAILERS, FLATBED, LO-BOY AND TILT TRUCK ACCESSORIES FOR CHASSIS MOUNTING	1.05	1.02	1.00	0.97	0.89	0.78	0.67					
670	DUMP BODIES	1.04	1.02	1.00	0.97	0.90	0.80						
675	ALL OTHER ACCESSORIES TRUCK, HIGHWAY	1.04	1.02	1.00	0.97	0.90	0.80						
690	0 THRU 10,000 GVW	1.08	1.06	1.00	0.95	0.88							
695	OVER 10,000 THRU 30,000 GVW	1.08	1.05	1.00	0.95	0.88	0.75						
705	OVER 30,000 GVW	1.08	1.05	1.00	0.96	0.88	0.76						
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.98	0.89	0.78	0.67	0.60	0.55			
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.98	0.89	0.77	0.67	0.60	0.55			
780	WAGON, WATER	1.04	1.01	1.00	0.98	0.88	0.76	0.65	0.58	0.53			
785	WATER BLASTER	1.04	1.02	1.00	0.97	0.90							
795	WATER TANKS	1.04	1.02	1.00	0.97	0.90	0.80	0.70	0.63	0.57			
810	WELDERS	1.05	1.02	1.00	0.97	0.89							
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.97	0.90	0.79						



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:

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

$$\begin{aligned} \text{Standby Adjusted for Age} \\ (\text{Standby Rate}) \times (\text{Age Adj. Factor}) \\ = (\$18.00) \times (.86) &= \$15.48/\text{Hr.} \end{aligned}$$

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	
15	AGGREGATE SPREADERS	1.03	1.01	1.00	1.01	0.95	0.89	0.82					
30	AIR COMPRESSORS	1.04	1.00	1.00	0.98	0.92	0.96	0.90					
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	0.82					
65	ASPHALT AND CONCRETE PAVERS	1.03	1.01	1.00	1.01	0.95	0.89	0.82					
70	ASPHALT KETTLES AND RECYCLERS BACKHOE (SEE KEY NO. 570-601)	1.04	1.02	1.00	0.98	0.91	0.82						
75	BROOMS	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	1.02	0.96	0.87	0.74					
95	BUCKETS, CONCRETE	1.03	1.01	1.00	1.02	0.97	0.87	0.74					
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.98	0.91	0.82						
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.98	0.91	0.82						
125	CONCRETE FINISHERS & BUGGIES	1.04	1.02	1.00	0.98	0.91							
130	CONCRETE SAWS	1.04	1.02	1.00	0.98	0.91	0.82						
135	CONCRETE VIBRATORS	1.05	1.00	1.00									
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.05	1.00	1.00	0.98	0.92							
150	0 THRU 25 TON	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66			
165	OVER 25 TON THRU 50 TON	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.58	
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	0.64	0.59	0.50
180	OVER 150 TON DRAGLINE & CLAMSHELL, CRAWLER	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.72	0.68	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	0.66			
190	OVER 1 CY THRU 2-1/2 CY	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.58	
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	0.64	0.59	0.50
196	OVER 5 CY	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.72	0.68	0.64	0.59	0.50
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.05	1.03	1.00	0.98	0.92	0.85	0.78	0.71	0.67	0.63	0.58	0.49
205	CRANES, TOWER CRANES & HYD. EXC., TRK MTD	1.04	1.02	1.00	0.98	0.92	0.86	0.79	0.73	0.68	0.65	0.60	0.52
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	0.63	0.58	
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.58	0.49
230	66 THRU 125 T	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.59	0.49
240	OVER 125 T	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.73	0.68	0.64	0.60	0.51
255	DRILL, AUGER	1.01	0.99	1.00	0.99	0.92	0.80	0.71					
270	DRILL, BLAST HOLE	1.01	0.99	1.00	0.99	0.92	0.80	0.71					
300	DRILL, CORE	1.01	0.99	1.00	0.99	0.92	0.80	0.71					
315	DRILL, ROTARY TO 11" DIA. HOLE	1.01	0.99	1.00	0.99	0.92	0.81	0.72	0.67	0.62	0.60	0.57	
330	DRILL, ROTARY OVER 11" DIA.	1.01	0.99	1.00	0.99	0.92	0.81	0.72	0.68	0.63	0.61	0.58	0.52
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.01	0.99	1.00	0.99	0.92	0.81	0.72	0.68	0.63	0.61	0.58	0.52
375	FORK LIFTS	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
390	GRADERS	1.04	1.02	1.00	0.98	0.90	0.83	0.75	0.70	0.63			
420	GENERATORS	1.05	1.03	1.00	0.98	0.95	0.85						
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
440	LIGHT PLANTS	1.04	1.02	1.00	0.98	0.91	0.82						
450	LOADER, BELT	1.04	1.02	1.00	0.98	0.91	0.83	0.73					
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.02	1.00	1.00	0.96	0.88	0.81	0.73					
	LOADER, WHEEL TYPE												
465	0 THRU 225 HP	1.05	1.03	1.00	0.98	0.89	0.76	0.68					
470	OVER 225 HP	1.05	1.03	1.00	0.98	0.89	0.76	0.68	0.62	0.57			
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.05	1.03	1.00	0.98	0.89	0.76	0.68					

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	
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.04	1.02	1.00	0.98	0.91							
485	PIPELAYERS PUMP, GROUT (SEE KEY NO. 105)	1.02	1.00	1.00	0.97	0.89	0.82	0.74	0.67	0.61			
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
510	RIPPERS	1.02	1.00	1.00	0.96	0.88	0.81						
525	ROLLERS, EXCEPT VIB. ROLLERS	1.07	1.05	1.00	0.92	0.86	0.78	0.71					
530	ROLLERS, VIBRATORY	1.07	1.05	1.00	0.92	0.85	0.78						
540	SCRAPERS, STANDARD	1.04	1.02	1.00	0.98	0.90	0.82	0.74					
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.04	1.02	1.00	0.98	0.90	0.82	0.74					
545	0 THRU 200 HP	1.04	1.02	1.00	0.98	0.90	0.82	0.74					
550	OVER 200 HP	1.04	1.02	1.00	0.98	0.90	0.82	0.74					
555	SCRAPERS, TRACTOR DRAWN	1.04	1.02	1.00	0.98	0.90	0.83	0.74	0.69	0.63			
560	SOIL STABILIZERS SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED	1.04	1.02	1.00	0.98	0.90	0.82	0.74					
570	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.92	0.85						
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77					
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66			
600	OVER 5 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66	0.63		
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	0.64	0.59	0.50
615	0 THRU 225 HP	1.02	1.00	1.00	0.96	0.88	0.81	0.73					
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.02	1.00	1.00	0.96	0.88	0.81	0.73					
625	OVER 425 HP	1.02	1.00	1.00	0.96	0.89	0.81	0.73	0.66	0.60			
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.02	1.00	1.00	0.96	0.88	0.81	0.73					
645	TRACTOR, WHEEL TYPE	1.05	1.03	1.00	0.99	0.92	0.83	0.73					
650	TRENCHER	1.04	1.02	1.00	0.94	0.83	0.73	0.64					
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.04	1.02	1.00	0.98	0.91	0.83	0.73					
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING												
670	DUMP BODIES	1.04	1.02	1.00	0.98	0.91	0.82						
675	ALL OTHER ACCESSORIES TRUCK, HIGHWAY	1.04	1.02	1.00	0.98	0.91	0.82						
690	0 THRU 10,000 GVW	1.07	1.05	1.00	0.96	0.89							
695	OVER 10,000 THRU 30,000 GVW	1.07	1.05	1.00	0.96	0.90	0.79						
705	OVER 30,000 GVW	1.07	1.05	1.00	0.96	0.90	0.79						
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.98	0.90	0.80	0.70	0.64	0.60			
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.98	0.90	0.80	0.70	0.64	0.60			
780	WAGON, WATER	1.03	1.01	1.00	0.98	0.90	0.80	0.70	0.65	0.60			
785	WATER BLASTER	1.04	1.02	1.00	0.98	0.91							
795	WATER TANKS	1.04	1.02	1.00	0.98	0.91	0.83	0.74	0.67	0.62			
810	WELDERS	1.04	1.02	1.00	0.98	0.91							
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.98	0.91	0.82						



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 (.84)	= (+) \$21.17/Hr.
Adjusted Total Hourly Rate	= <u>\$46.17/Hr.</u>

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

Service Life From APP. D	Equipment Useage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.98	0.97	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86
6,000	1.00	0.97	0.96	0.93	0.91	0.90	0.88	0.87	0.86	0.84	0.84	0.83	0.81
8,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.84	0.83	0.81	0.80	0.79	0.78
9,000	1.00	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.81	0.80	0.79	0.78	0.76
10,000	1.00	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.80	0.79	0.77	0.76	0.75
11,000	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
12,000	1.00	0.96	0.93	0.90	0.87	0.84	0.82	0.80	0.78	0.76	0.75	0.74	0.72
13,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.79	0.77	0.75	0.74	0.73	0.71
14,000	1.00	0.95	0.93	0.89	0.86	0.83	0.81	0.79	0.76	0.74	0.73	0.71	0.69
15,000	1.00	0.95	0.93	0.88	0.85	0.82	0.80	0.78	0.75	0.73	0.72	0.70	0.68
16,000	1.00	0.95	0.92	0.88	0.85	0.82	0.80	0.77	0.74	0.72	0.71	0.69	0.67
18,000	1.00	0.95	0.92	0.87	0.84	0.81	0.78	0.76	0.73	0.71	0.69	0.67	0.65
20,000	1.00	0.94	0.91	0.87	0.83	0.80	0.77	0.74	0.72	0.69	0.67	0.66	0.63
22,000	1.00	0.94	0.91	0.86	0.82	0.79	0.76	0.73	0.70	0.68	0.66	0.64	0.62
50,000	1.00	0.92	0.88	0.81	0.76	0.72	0.68	0.64	0.60	0.57	0.54	0.52	0.49

TABLE 3-5. HOURLY RATE ELEMENT

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
1010	4.37	2.49	10.89	2.61	0.21	0.03	4.07	24.67								
1015	4.90	2.78	3.95	0.95	0.21	0.03	4.56	17.38								
1030	0.82	0.51	3.83	1.22	0.02	0.00	0.83	7.23								
1035	0.98	0.62	1.18	0.33	0.02	0.00	1.00	4.13								
1040	1.00	0.63	5.36	1.71	0.02	0.00	1.02	9.74								
1045	1.07	0.67	1.82	0.51	0.02	0.00	1.08	5.17								
1050	1.10	0.69	5.36	1.71	0.02	0.00	1.11	9.99								
1055	1.25	0.78	1.93	0.54	0.02	0.00	1.26	5.78								
1060	1.13	0.71	5.36	1.71	0.02	0.00	1.15	10.08								
1065	1.34	0.84	2.46	0.69	0.02	0.00	1.36	6.71								
1070	2.00	1.25	3.14	0.88	0.03	0.00	2.02	9.32								
1075	2.43	1.55	4.36	1.22	0.12	0.02	2.47	12.17								
1080	3.17	2.00	5.43	1.52	0.12	0.02	3.22	15.48								
1085	3.81	2.41	6.72	1.88	0.14	0.02	3.87	18.85								
1090	4.43	2.79	8.14	2.28	0.14	0.02	4.50	22.30								
1095	5.05	3.18	9.29	2.60	0.14	0.02	5.12	25.40								
1100	5.54	3.48	9.64	2.70	0.14	0.02	5.62	27.14								
1105	6.20	3.89	10.50	2.94	0.14	0.02	6.29	29.98								
1110	7.43	4.65	14.29	4.00	0.14	0.02	7.53	38.06								
1115	8.40	5.26	16.29	4.56	0.18	0.03	8.51	43.23								
1130	0.30	0.08	0.00	0.06	0.00	0.00	0.61	1.05								
1135	0.54	0.14	0.00	0.06	0.00	0.00	1.10	1.84								
1140	0.55	0.14	0.00	0.06	0.00	0.00	1.11	1.86								
1145	0.60	0.15	0.00	0.13	0.00	0.00	1.22	2.10								
1150	0.81	0.21	0.00	0.13	0.00	0.00	1.65	2.80								
1155	2.30	0.60	0.00	0.27	0.05	0.01	4.68	7.91								
1160	2.75	0.74	0.00	0.40	0.12	0.02	5.64	9.67								
1165	3.39	0.90	0.00	0.50	0.12	0.02	6.93	11.86								
1175	0.18	0.05	0.00	0.06	0.00	0.00	0.37	0.66								
1180	0.40	0.10	0.00	0.11	0.00	0.00	0.81	1.42								
1185	0.19	0.05	0.00	0.06	0.00	0.00	0.38	0.68								
1190	0.20	0.05	0.00	0.06	0.00	0.00	0.40	0.71								
1195	0.22	0.05	0.00	0.06	0.00	0.00	0.44	0.77								
1200	0.73	0.19	0.00	0.13	0.00	0.00	1.48	2.53								
1210	0.39	0.10	0.00	0.15	0.00	0.00	1.32	1.96								
1215	0.25	0.06	0.00	0.13	0.00	0.00	0.85	1.29								
1220	0.23	0.06	0.00	0.10	0.00	0.00	0.76	1.15								
1225	0.20	0.05	0.00	0.08	0.00	0.00	0.69	1.02								
1230	0.16	0.04	0.00	0.06	0.00	0.00	0.54	0.80								
1240	2.20	1.23	3.45	1.10	0.00	0.00	2.48	10.46								
1245	2.26	1.26	3.45	1.10	0.00	0.00	2.54	10.61								
1250	2.41	1.34	3.45	1.10	0.00	0.00	2.72	11.02								
1255	2.71	1.51	3.45	1.10	0.00	0.00	3.05	11.82								
1265	7.04	4.00	2.50	0.70	0.32	0.05	8.43	23.04								
1270	11.08	6.35	3.39	0.95	0.79	0.12	13.28	35.96								
1275	12.39	7.08	4.64	1.30	0.79	0.12	14.84	41.16								
1280	15.13	8.43	4.64	1.30	0.00	0.00	18.04	47.54								
1290	3.56	2.06	0.79	0.22	0.32	0.05	4.28	11.28								
1295	5.69	3.25	2.00	0.56	0.32	0.05	6.82	18.69								
1300	7.90	4.50	2.07	0.58	0.44	0.07	9.46	25.02								
1305	9.75	5.61	3.11	0.87	0.79	0.12	11.70	31.95								
1310	11.40	6.57	3.14	0.88	0.96	0.14	13.69	36.78								
1315	15.12	8.72	5.61	1.57	1.32	0.20	18.15	50.69								
1320	11.11	6.18	2.71	0.76	0.00	0.00	13.24	34.00								
1325	13.29	7.40	3.93	1.10	0.00	0.00	15.84	41.56								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1335	0.36	0.17	0.00	0.99	0.02	0.00	0.39	1.93								
1340	0.42	0.20	0.00	1.09	0.02	0.00	0.45	2.18								
1350	1.01	0.47	0.61	1.77	0.02	0.00	1.08	4.96								
1360	0.47	0.29	0.00	0.18	0.02	0.00	0.54	1.50								
1365	0.61	0.38	1.61	0.39	0.02	0.00	0.70	3.71								
1370	0.21	0.13	0.00	0.18	0.00	0.00	0.24	0.76								
1375	0.32	0.20	0.00	0.12	0.00	0.00	0.37	1.01								
1385	0.93	0.52	8.00	2.56	0.00	0.00	1.11	13.12								
1390	0.99	0.57	8.00	2.56	0.04	0.01	1.20	13.37								
1400	0.86	0.44	0.00	0.00	0.00	0.00	0.75	2.05	1.08	0.45	0.00	0.00	0.00	0.00	1.07	2.60
1405	0.93	0.47	0.00	0.00	0.00	0.00	0.81	2.21	1.16	0.48	0.00	0.00	0.00	0.00	1.15	2.79
1410	1.34	0.68	0.00	0.00	0.00	0.00	1.17	3.19	1.68	0.70	0.00	0.00	0.00	0.00	1.67	4.05
1415	1.58	0.80	0.00	0.00	0.00	0.00	1.37	3.75	1.98	0.82	0.00	0.00	0.00	0.00	1.96	4.76
1420	2.04	1.03	0.00	0.00	0.00	0.00	1.77	4.84	2.55	1.05	0.00	0.00	0.00	0.00	2.53	6.13
1425	2.17	1.10	0.00	0.00	0.00	0.00	1.88	5.15	2.71	1.12	0.00	0.00	0.00	0.00	2.69	6.52
1430	2.36	1.19	0.00	0.00	0.00	0.00	2.05	5.60	2.95	1.22	0.00	0.00	0.00	0.00	2.93	7.10
1435	2.62	1.32	0.00	0.00	0.00	0.00	2.27	6.21	3.27	1.35	0.00	0.00	0.00	0.00	3.24	7.86
1440	2.84	1.44	0.00	0.00	0.00	0.00	2.47	6.75	3.55	1.47	0.00	0.00	0.00	0.00	3.53	8.55
1445	3.03	1.53	0.00	0.00	0.00	0.00	2.63	7.19	3.79	1.57	0.00	0.00	0.00	0.00	3.76	9.12
1450	3.35	1.69	0.00	0.00	0.00	0.00	2.91	7.95	4.19	1.73	0.00	0.00	0.00	0.00	4.16	10.08
1455	3.49	1.76	0.00	0.00	0.00	0.00	3.03	8.28	4.36	1.81	0.00	0.00	0.00	0.00	4.33	10.50
1460	3.59	1.81	0.00	0.00	0.00	0.00	3.12	8.52	4.49	1.86	0.00	0.00	0.00	0.00	4.46	10.81
1465	3.78	1.91	0.00	0.00	0.00	0.00	3.28	8.97	4.73	1.96	0.00	0.00	0.00	0.00	4.69	11.38
1470	3.93	1.99	0.00	0.00	0.00	0.00	3.42	9.34	4.92	2.03	0.00	0.00	0.00	0.00	4.88	11.83
1480	0.82	0.42	0.00	0.00	0.00	0.00	0.72	1.96	1.03	0.43	0.00	0.00	0.00	0.00	1.02	2.48
1485	1.15	0.58	0.00	0.00	0.00	0.00	1.00	2.73	1.43	0.59	0.00	0.00	0.00	0.00	1.42	3.44
1490	1.68	0.85	0.00	0.00	0.00	0.00	1.46	3.99	2.10	0.87	0.00	0.00	0.00	0.00	2.09	5.06
1495	1.82	0.92	0.00	0.00	0.00	0.00	1.58	4.32	2.28	0.94	0.00	0.00	0.00	0.00	2.26	5.48
1500	2.29	1.16	0.00	0.00	0.00	0.00	1.99	5.44	2.87	1.19	0.00	0.00	0.00	0.00	2.85	6.91
1505	2.53	1.28	0.00	0.00	0.00	0.00	2.19	6.00	3.16	1.31	0.00	0.00	0.00	0.00	3.13	7.60
1510	2.90	1.47	0.00	0.00	0.00	0.00	2.52	6.89	3.63	1.50	0.00	0.00	0.00	0.00	3.60	8.73
1515	3.14	1.58	0.00	0.00	0.00	0.00	2.72	7.44	3.92	1.62	0.00	0.00	0.00	0.00	3.89	9.43
1520	3.38	1.71	0.00	0.00	0.00	0.00	2.94	8.03	4.23	1.75	0.00	0.00	0.00	0.00	4.19	10.17
1525	3.63	1.83	0.00	0.00	0.00	0.00	3.15	8.61	4.53	1.88	0.00	0.00	0.00	0.00	4.50	10.91
1530	3.84	1.94	0.00	0.00	0.00	0.00	3.33	9.11	4.80	1.99	0.00	0.00	0.00	0.00	4.76	11.55
1535	4.04	2.04	0.00	0.00	0.00	0.00	3.51	9.59	5.05	2.09	0.00	0.00	0.00	0.00	5.01	12.15
1540	4.27	2.15	0.00	0.00	0.00	0.00	3.70	10.12	5.33	2.21	0.00	0.00	0.00	0.00	5.29	12.83
1545	4.46	2.25	0.00	0.00	0.00	0.00	3.87	10.58	5.57	2.30	0.00	0.00	0.00	0.00	5.53	13.40
1550	4.64	2.35	0.00	0.00	0.00	0.00	4.03	11.02	5.80	2.40	0.00	0.00	0.00	0.00	5.76	13.96
1560	1.30	0.66	0.00	0.00	0.00	0.00	1.13	3.09	1.63	0.67	0.00	0.00	0.00	0.00	1.62	3.92
1565	1.33	0.67	0.00	0.00	0.00	0.00	1.16	3.16	1.66	0.69	0.00	0.00	0.00	0.00	1.65	4.00
1570	1.92	0.97	0.00	0.00	0.00	0.00	1.67	4.56	2.40	0.99	0.00	0.00	0.00	0.00	2.39	5.78
1575	2.37	1.20	0.00	0.00	0.00	0.00	2.06	5.63	2.96	1.23	0.00	0.00	0.00	0.00	2.94	7.13
1580	2.67	1.35	0.00	0.00	0.00	0.00	2.32	6.34	3.34	1.38	0.00	0.00	0.00	0.00	3.31	8.03
1585	2.91	1.47	0.00	0.00	0.00	0.00	2.53	6.91	3.64	1.50	0.00	0.00	0.00	0.00	3.61	8.75
1590	3.14	1.59	0.00	0.00	0.00	0.00	2.73	7.46	3.93	1.62	0.00	0.00	0.00	0.00	3.90	9.45
1595	3.35	1.69	0.00	0.00	0.00	0.00	2.90	7.94	4.18	1.73	0.00	0.00	0.00	0.00	4.15	10.06
1600	3.49	1.76	0.00	0.00	0.00	0.00	3.03	8.28	4.36	1.80	0.00	0.00	0.00	0.00	4.33	10.49
1605	3.79	1.92	0.00	0.00	0.00	0.00	3.29	9.00	4.74	1.96	0.00	0.00	0.00	0.00	4.70	11.40
1610	4.03	2.04	0.00	0.00	0.00	0.00	3.50	9.57	5.04	2.09	0.00	0.00	0.00	0.00	5.00	12.13
1615	4.26	2.15	0.00	0.00	0.00	0.00	3.69	10.10	5.32	2.20	0.00	0.00	0.00	0.00	5.28	12.80
1620	4.50	2.27	0.00	0.00	0.00	0.00	3.91	10.68	5.62	2.33	0.00	0.00	0.00	0.00	5.58	13.53
1625	4.68	2.36	0.00	0.00	0.00	0.00	4.06	11.10	5.85	2.42	0.00	0.00	0.00	0.00	5.80	14.07
1630	4.92	2.48	0.00	0.00	0.00	0.00	4.27	11.67	6.14	2.54	0.00	0.00	0.00	0.00	6.10	14.78
1640	0.12	0.07	0.00	0.00	0.00	0.00	0.11	0.30								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1645	0.15	0.08	0.00	0.00	0.00	0.00	0.14	0.37								
1650	0.20	0.11	0.00	0.00	0.00	0.00	0.18	0.49								
1655	0.28	0.15	0.00	0.00	0.00	0.00	0.26	0.69								
1660	0.35	0.19	0.00	0.00	0.00	0.00	0.32	0.86								
1670	0.51	0.28	0.00	0.00	0.00	0.00	0.47	1.26								
1675	0.53	0.29	0.00	0.00	0.00	0.00	0.49	1.31								
1680	0.55	0.30	0.00	0.00	0.00	0.00	0.51	1.36								
1685	0.72	0.40	0.00	0.00	0.00	0.00	0.66	1.78								
1690	0.75	0.42	0.00	0.00	0.00	0.00	0.69	1.86								
1695	1.08	0.60	0.00	0.00	0.00	0.00	1.00	2.68								
1700	1.29	0.72	0.00	0.00	0.00	0.00	1.19	3.20								
1710	0.57	0.32	0.00	0.00	0.00	0.00	0.53	1.42								
1715	0.64	0.36	0.00	0.00	0.00	0.00	0.59	1.59								
1720	0.74	0.41	0.00	0.00	0.00	0.00	0.69	1.84								
1725	0.83	0.46	0.00	0.00	0.00	0.00	0.76	2.05								
1730	0.97	0.54	0.00	0.00	0.00	0.00	0.89	2.40								
1745	0.29	0.15	0.00	0.00	0.00	0.00	0.25	0.69	0.36	0.15	0.00	0.00	0.00	0.00	0.36	0.87
1750	0.34	0.17	0.00	0.00	0.00	0.00	0.30	0.81	0.43	0.18	0.00	0.00	0.00	0.00	0.43	1.04
1755	0.42	0.21	0.00	0.00	0.00	0.00	0.36	0.99	0.52	0.22	0.00	0.00	0.00	0.00	0.52	1.26
1760	0.49	0.25	0.00	0.00	0.00	0.00	0.43	1.17	0.62	0.26	0.00	0.00	0.00	0.00	0.61	1.49
1765	0.58	0.29	0.00	0.00	0.00	0.00	0.50	1.37	0.73	0.30	0.00	0.00	0.00	0.00	0.72	1.75
1770	0.72	0.36	0.00	0.00	0.00	0.00	0.62	1.70	0.90	0.37	0.00	0.00	0.00	0.00	0.89	2.16
1775	0.79	0.40	0.00	0.00	0.00	0.00	0.69	1.88	0.99	0.41	0.00	0.00	0.00	0.00	0.98	2.38
1780	0.97	0.49	0.00	0.00	0.00	0.00	0.84	2.30	1.21	0.50	0.00	0.00	0.00	0.00	1.20	2.91
1785	1.03	0.52	0.00	0.00	0.00	0.00	0.89	2.44	1.28	0.53	0.00	0.00	0.00	0.00	1.27	3.08
1790	1.24	0.63	0.00	0.00	0.00	0.00	1.07	2.94	1.55	0.64	0.00	0.00	0.00	0.00	1.54	3.73
1795	1.34	0.68	0.00	0.00	0.00	0.00	1.16	3.18	1.68	0.69	0.00	0.00	0.00	0.00	1.66	4.03
1800	1.47	0.74	0.00	0.00	0.00	0.00	1.27	3.48	1.83	0.76	0.00	0.00	0.00	0.00	1.82	4.41
1805	1.63	0.82	0.00	0.00	0.00	0.00	1.41	3.86	2.03	0.84	0.00	0.00	0.00	0.00	2.02	4.89
1810	1.88	0.95	0.00	0.00	0.00	0.00	1.63	4.46	2.35	0.97	0.00	0.00	0.00	0.00	2.33	5.65
1815	2.04	1.03	0.00	0.00	0.00	0.00	1.77	4.84	2.55	1.06	0.00	0.00	0.00	0.00	2.53	6.14
1820	2.51	1.27	0.00	0.00	0.00	0.00	2.18	5.96	3.14	1.30	0.00	0.00	0.00	0.00	3.11	7.55
1825	2.88	1.46	0.00	0.00	0.00	0.00	2.50	6.84	3.61	1.49	0.00	0.00	0.00	0.00	3.58	8.68
1835	0.34	0.17	0.00	0.00	0.00	0.00	0.29	0.80	0.42	0.17	0.00	0.00	0.00	0.00	0.42	1.01
1840	0.41	0.21	0.00	0.00	0.00	0.00	0.36	0.98	0.52	0.21	0.00	0.00	0.00	0.00	0.51	1.24
1845	0.51	0.26	0.00	0.00	0.00	0.00	0.44	1.21	0.64	0.26	0.00	0.00	0.00	0.00	0.63	1.53
1850	0.61	0.31	0.00	0.00	0.00	0.00	0.53	1.45	0.76	0.32	0.00	0.00	0.00	0.00	0.76	1.84
1855	0.70	0.35	0.00	0.00	0.00	0.00	0.61	1.66	0.88	0.36	0.00	0.00	0.00	0.00	0.87	2.11
1860	0.84	0.42	0.00	0.00	0.00	0.00	0.73	1.99	1.05	0.43	0.00	0.00	0.00	0.00	1.04	2.52
1865	0.93	0.47	0.00	0.00	0.00	0.00	0.81	2.21	1.16	0.48	0.00	0.00	0.00	0.00	1.15	2.79
1870	1.11	0.56	0.00	0.00	0.00	0.00	0.97	2.64	1.39	0.58	0.00	0.00	0.00	0.00	1.38	3.35
1875	1.19	0.60	0.00	0.00	0.00	0.00	1.03	2.82	1.49	0.62	0.00	0.00	0.00	0.00	1.48	3.59
1880	1.53	0.77	0.00	0.00	0.00	0.00	1.32	3.62	1.91	0.79	0.00	0.00	0.00	0.00	1.89	4.59
1885	1.58	0.80	0.00	0.00	0.00	0.00	1.37	3.75	1.97	0.82	0.00	0.00	0.00	0.00	1.96	4.75
1890	1.80	0.91	0.00	0.00	0.00	0.00	1.56	4.27	2.25	0.93	0.00	0.00	0.00	0.00	2.23	5.41
1895	1.98	1.00	0.00	0.00	0.00	0.00	1.72	4.70	2.48	1.02	0.00	0.00	0.00	0.00	2.46	5.96
1900	2.37	1.20	0.00	0.00	0.00	0.00	2.06	5.63	2.97	1.23	0.00	0.00	0.00	0.00	2.94	7.14
1905	2.53	1.28	0.00	0.00	0.00	0.00	2.19	6.00	3.16	1.31	0.00	0.00	0.00	0.00	3.13	7.60
1910	3.22	1.63	0.00	0.00	0.00	0.00	2.80	7.65	4.02	1.67	0.00	0.00	0.00	0.00	3.99	9.68
1915	3.59	1.81	0.00	0.00	0.00	0.00	3.11	8.51	4.48	1.85	0.00	0.00	0.00	0.00	4.45	10.78
1925	1.35	0.68	0.00	0.00	0.00	0.00	1.17	3.20	1.68	0.70	0.00	0.00	0.00	0.00	1.67	4.05
1930	1.40	0.71	0.00	0.00	0.00	0.00	1.22	3.33	1.75	0.72	0.00	0.00	0.00	0.00	1.74	4.21
1935	1.57	0.79	0.00	0.00	0.00	0.00	1.36	3.72	1.96	0.81	0.00	0.00	0.00	0.00	1.95	4.72
1940	2.10	1.06	0.00	0.00	0.00	0.00	1.82	4.98	2.62	1.08	0.00	0.00	0.00	0.00	2.60	6.30
1945	2.35	1.18	0.00	0.00	0.00	0.00	2.04	5.57	2.93	1.21	0.00	0.00	0.00	0.00	2.91	7.05

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
1950	2.42	1.22	0.00	0.00	0.00	0.00	2.10	5.74	3.03	1.25	0.00	0.00	0.00	0.00	3.00	7.28
1955	2.59	1.31	0.00	0.00	0.00	0.00	2.25	6.15	3.24	1.34	0.00	0.00	0.00	0.00	3.22	7.80
1960	3.30	1.67	0.00	0.00	0.00	0.00	2.86	7.83	4.12	1.71	0.00	0.00	0.00	0.00	4.09	9.92
1965	3.39	1.71	0.00	0.00	0.00	0.00	2.94	8.04	4.24	1.75	0.00	0.00	0.00	0.00	4.21	10.20
1970	4.31	2.18	0.00	0.00	0.00	0.00	3.74	10.23	5.39	2.23	0.00	0.00	0.00	0.00	5.35	12.97
1975	4.47	2.26	0.00	0.00	0.00	0.00	3.88	10.61	5.58	2.31	0.00	0.00	0.00	0.00	5.54	13.43
1980	5.31	2.68	0.00	0.00	0.00	0.00	4.61	12.60	6.64	2.75	0.00	0.00	0.00	0.00	6.59	15.98
1985	5.68	2.87	0.00	0.00	0.00	0.00	4.93	13.48	7.10	2.94	0.00	0.00	0.00	0.00	7.05	17.09
1995	0.82	0.41	0.00	0.00	0.00	0.00	0.71	1.94	1.02	0.42	0.00	0.00	0.00	0.00	1.01	2.45
2000	1.05	0.53	0.00	0.00	0.00	0.00	0.91	2.49	1.31	0.54	0.00	0.00	0.00	0.00	1.30	3.15
2005	1.43	0.72	0.00	0.00	0.00	0.00	1.25	3.40	1.79	0.74	0.00	0.00	0.00	0.00	1.78	4.31
2010	1.90	0.96	0.00	0.00	0.00	0.00	1.65	4.51	2.37	0.98	0.00	0.00	0.00	0.00	2.35	5.70
2015	2.84	1.43	0.00	0.00	0.00	0.00	2.46	6.73	3.55	1.47	0.00	0.00	0.00	0.00	3.52	8.54
2020	3.23	1.63	0.00	0.00	0.00	0.00	2.81	7.67	4.04	1.67	0.00	0.00	0.00	0.00	4.01	9.72
2025	3.92	1.98	0.00	0.00	0.00	0.00	3.40	9.30	4.90	2.03	0.00	0.00	0.00	0.00	4.86	11.79
2030	4.76	2.40	0.00	0.00	0.00	0.00	4.13	11.29	5.95	2.46	0.00	0.00	0.00	0.00	5.91	14.32
2035	5.78	2.92	0.00	0.00	0.00	0.00	5.02	13.72	7.22	2.99	0.00	0.00	0.00	0.00	7.17	17.38
2040	6.70	3.39	0.00	0.00	0.00	0.00	5.82	15.91	8.38	3.47	0.00	0.00	0.00	0.00	8.31	20.16
2050	0.22	0.08	0.32	0.08	0.00	0.00	0.36	1.06								
2055	0.18	0.06	0.32	0.08	0.00	0.00	0.29	0.93								
2060	0.24	0.08	0.53	0.13	0.00	0.00	0.39	1.37								
2065	0.31	0.11	0.53	0.13	0.00	0.00	0.50	1.58								
2070	0.40	0.14	0.63	0.15	0.00	0.00	0.65	1.97								
2075	0.15	0.05	0.32	0.08	0.00	0.00	0.25	0.85								
2080	0.24	0.09	0.74	0.18	0.00	0.00	0.39	1.64								
2085	0.23	0.08	0.42	0.10	0.00	0.00	0.38	1.21								
2090	0.29	0.10	0.42	0.10	0.00	0.00	0.47	1.38								
2095	0.20	0.07	0.42	0.10	0.00	0.00	0.32	1.11								
2100	0.41	0.15	0.25	0.06	0.00	0.00	0.67	1.54								
2105	0.71	0.25	0.25	0.06	0.00	0.00	1.14	2.41								
2110	1.24	0.44	0.25	0.06	0.00	0.00	2.00	3.99								
2115	0.95	0.34	0.25	0.06	0.00	0.00	1.54	3.14								
2120	1.19	0.42	0.20	0.05	0.00	0.00	1.92	3.78								
2125	1.64	0.58	0.40	0.10	0.00	0.00	2.66	5.38								
2130	2.04	0.72	0.65	0.16	0.00	0.00	3.29	6.86								
2135	0.46	0.16	0.95	0.23	0.00	0.00	0.74	2.54								
2140	0.48	0.17	0.35	0.08	0.00	0.00	0.78	1.86								
2145	0.77	0.27	0.50	0.12	0.00	0.00	1.25	2.91								
2150	1.58	0.56	0.50	0.12	0.00	0.00	2.56	5.32								
2155	1.52	0.54	0.40	0.10	0.00	0.00	2.46	5.02								
2160	1.72	0.61	0.40	0.10	0.00	0.00	2.78	5.61								
2170	0.22	0.08	0.41	0.13	0.00	0.00	0.25	1.09								
2180	0.18	0.07	0.58	0.18	0.00	0.00	0.20	1.21								
2185	0.71	0.27	1.32	0.42	0.00	0.00	0.81	3.53								
2190	0.91	0.35	1.32	0.42	0.00	0.00	1.04	4.04								
2200	0.07	0.03	0.07	0.03	0.02	0.00	0.08	0.30								
2205	0.07	0.03	0.07	0.03	0.02	0.00	0.08	0.30								
2210	0.24	0.10	0.58	0.18	0.02	0.00	0.28	1.40								
2215	0.19	0.08	0.58	0.18	0.02	0.00	0.22	1.27								
2225	10.41	5.79	5.07	1.42	0.00	0.00	12.40	35.09								
2230	18.54	10.32	7.43	2.08	0.00	0.00	22.10	60.47								
2235	32.68	18.19	8.93	2.50	0.00	0.00	38.95	101.25								
2245	2.10	1.18	4.98	1.59	0.04	0.01	2.51	12.41								
2250	9.48	5.28	3.57	1.00	0.00	0.00	11.30	30.63								
2260	2.43	1.13	0.63	0.18	0.06	0.01	2.93	7.37								

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
2265	2.78	1.28	1.05	0.29	0.04	0.01	3.35	8.80								
2270	0.79	0.37	0.00	0.19	0.04	0.01	0.96	2.36								
2275	1.58	0.73	0.00	0.31	0.04	0.01	1.91	4.58								
2285	4.36	1.99	3.26	0.91	0.02	0.00	5.24	15.78								
2295	5.63	2.58	5.26	1.47	0.02	0.00	6.77	21.73								
2300	14.07	6.47	13.64	3.82	0.23	0.03	16.94	55.20								
2310	4.44	2.03	3.53	0.99	0.02	0.00	5.34	16.35								
2315	6.88	3.18	8.00	2.24	0.12	0.02	8.29	28.73								
2320	7.07	3.26	8.00	2.24	0.12	0.02	8.52	29.23								
2325	9.44	4.32	9.32	2.61	0.06	0.01	11.35	37.11								
2330	12.13	5.55	15.79	4.42	0.06	0.01	14.59	52.55								
2335	14.74	6.86	11.37	3.18	0.58	0.09	17.78	54.60								
2340	21.59	9.99	11.37	3.18	0.60	0.09	26.02	72.84								
2345	26.97	12.48	15.53	4.35	0.79	0.12	32.51	92.75								
2355	0.17	0.08	0.84	0.27	0.00	0.00	0.20	1.56								
2360	0.19	0.09	1.27	0.41	0.00	0.00	0.22	2.18								
2365	0.19	0.09	1.48	0.47	0.00	0.00	0.23	2.46								
2370	0.41	0.19	1.48	0.47	0.00	0.00	0.49	3.04								
2375	0.52	0.24	1.90	0.61	0.00	0.00	0.62	3.89								
2380	0.53	0.24	2.43	0.78	0.00	0.00	0.63	4.61								
2385	0.84	0.38	3.17	1.01	0.00	0.00	1.01	6.41								
2390	1.13	0.52	6.86	2.20	0.00	0.00	1.36	12.07								
2400	13.03	8.64	2.62	0.84	0.00	0.00	12.33	37.46	15.64	8.76	3.32	1.06	0.00	0.00	16.91	45.69
2405	14.48	11.82	3.21	0.64	0.00	0.00	15.65	45.80	16.71	11.93	4.07	0.81	0.00	0.00	20.32	53.84
2410	14.57	11.89	2.57	0.51	0.00	0.00	12.80	42.34	16.81	12.00	3.32	0.66	0.00	0.00	15.90	48.69
2420	15.88	12.96	2.57	0.51	0.00	0.00	13.95	45.87	18.33	13.08	3.32	0.66	0.00	0.00	17.33	52.72
2430	16.69	13.62	2.57	0.51	0.00	0.00	14.66	48.05	19.26	13.75	3.32	0.66	0.00	0.00	18.22	55.21
2440	19.80	16.16	4.74	0.95	0.00	0.00	21.41	63.06	22.85	16.31	6.00	1.20	0.00	0.00	27.79	74.15
2445	19.38	15.82	3.79	0.76	0.00	0.00	17.02	56.77	22.36	15.96	4.90	0.98	0.00	0.00	21.15	65.35
2455	17.11	16.59	3.79	0.83	0.00	0.00	17.34	55.66	19.25	16.70	4.90	1.08	0.00	0.00	20.81	62.74
2465	21.17	20.52	3.79	0.83	0.00	0.00	21.45	67.76	23.81	20.65	4.90	1.08	0.00	0.00	25.74	76.18
2475	27.76	26.92	6.47	1.42	0.00	0.00	28.13	90.70	31.23	27.09	8.36	1.84	0.00	0.00	33.76	102.28
2485	29.39	28.49	6.47	1.42	0.00	0.00	29.78	95.55	33.06	28.67	8.36	1.84	0.00	0.00	35.73	107.66
2490	27.90	27.05	8.09	1.78	0.00	0.00	33.92	98.74	31.38	27.22	10.25	2.26	0.00	0.00	42.40	113.51
2500	32.39	31.41	6.47	1.42	0.00	0.00	32.83	104.52	36.44	31.60	8.36	1.84	0.00	0.00	39.39	117.63
2510	30.64	32.85	6.47	1.55	0.00	0.00	35.19	106.70	34.05	33.01	8.36	2.01	0.00	0.00	41.40	118.83
2520	32.77	35.13	6.47	1.55	0.00	0.00	37.64	113.56	36.41	35.31	8.36	2.01	0.00	0.00	44.28	126.37
2535	13.80	9.14	3.24	1.04	0.00	0.00	13.05	40.27	16.56	9.28	4.11	1.31	0.00	0.00	17.90	49.16
2540	11.28	9.21	2.59	0.52	0.00	0.00	9.91	33.51	13.02	9.29	3.35	0.67	0.00	0.00	12.31	38.64
2550	21.46	12.02	4.74	0.95	0.00	0.00	23.20	62.37	26.82	12.28	6.23	1.25	0.00	0.00	32.62	79.20
2555	15.93	13.00	4.06	0.81	0.00	0.00	17.21	51.01	18.38	13.12	5.14	1.03	0.00	0.00	22.35	60.02
2560	16.01	13.06	3.25	0.65	0.00	0.00	14.06	47.03	18.47	13.18	4.20	0.84	0.00	0.00	17.47	54.16
2570	30.48	17.07	5.86	1.17	0.00	0.00	32.94	87.52	38.10	17.44	7.70	1.54	0.00	0.00	46.33	111.11
2575	20.85	17.01	5.02	1.00	0.00	0.00	22.53	66.41	24.05	17.17	6.36	1.27	0.00	0.00	29.25	78.10
2585	38.76	23.24	6.74	1.48	0.00	0.00	44.21	114.43	46.51	23.61	8.86	1.95	0.00	0.00	58.94	139.87
2590	37.09	22.24	6.74	1.48	0.00	0.00	42.30	109.85	44.51	22.60	8.86	1.95	0.00	0.00	56.40	134.32
2595	23.99	23.26	5.78	1.27	0.00	0.00	29.17	83.47	26.99	23.41	7.32	1.61	0.00	0.00	36.47	95.80
2600	23.47	22.75	4.62	1.02	0.00	0.00	23.78	75.64	26.40	22.89	5.97	1.31	0.00	0.00	28.53	85.10
2610	29.52	28.62	5.48	1.21	0.00	0.00	29.91	94.74	33.21	28.80	7.08	1.56	0.00	0.00	35.89	106.54
2615	28.22	27.36	6.85	1.51	0.00	0.00	34.31	98.25	31.74	27.53	8.68	1.91	0.00	0.00	42.89	112.75
2625	46.71	28.00	8.09	1.78	0.00	0.00	53.27	137.85	56.05	28.45	10.64	2.34	0.00	0.00	71.03	168.51
2630	44.18	26.48	8.09	1.78	0.00	0.00	50.38	130.91	53.01	26.91	10.64	2.34	0.00	0.00	67.18	160.08
2635	26.20	25.41	6.94	1.53	0.00	0.00	31.86	91.94	29.48	25.56	8.79	1.93	0.00	0.00	39.83	105.59
2645	56.86	39.31	12.01	2.88	0.00	0.00	79.26	190.32	66.33	39.77	15.78	3.79	0.00	0.00	100.87	226.54
2650	30.72	32.93	10.29	2.47	0.00	0.00	41.51	117.92	34.14	33.10	13.04	3.13	0.00	0.00	50.74	134.15

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
2665	10.57	8.63	2.48	0.50	0.00	0.00	9.28	31.46	12.20	8.71	3.21	0.64	0.00	0.00	11.54	36.30
2675	14.05	13.63	3.72	0.82	0.00	0.00	14.24	46.46	15.81	13.71	4.81	1.06	0.00	0.00	17.09	52.48
2685	19.69	19.09	3.84	0.84	0.00	0.00	19.95	63.41	22.15	19.21	4.95	1.09	0.00	0.00	23.94	71.34
2695	29.74	28.83	5.53	1.22	0.00	0.00	30.13	95.45	33.45	29.01	7.14	1.57	0.00	0.00	36.16	107.33
2710	19.53	18.93	8.09	1.78	0.00	0.00	23.75	72.08	21.97	19.05	10.25	2.26	0.00	0.00	29.68	83.21
2715	21.14	20.50	6.47	1.42	0.00	0.00	21.43	70.96	23.79	20.63	8.36	1.84	0.00	0.00	25.71	80.33
2725	24.87	24.11	8.46	1.86	0.00	0.00	30.24	89.54	27.98	24.26	10.72	2.36	0.00	0.00	37.80	103.12
2730	25.19	24.42	6.77	1.49	0.00	0.00	25.52	83.39	28.33	24.57	8.74	1.92	0.00	0.00	30.63	94.19
2740	33.08	32.07	10.15	2.23	0.00	0.00	40.22	117.75	37.21	32.27	12.86	2.83	0.00	0.00	50.28	135.45
2745	30.13	32.29	8.12	1.95	0.00	0.00	34.60	107.09	33.47	32.46	10.49	2.52	0.00	0.00	40.71	119.65
2755	47.10	50.49	15.45	3.71	0.00	0.00	54.10	170.85	52.34	50.74	19.96	4.79	0.00	0.00	63.64	191.47
2760	47.90	51.34	19.32	4.64	0.00	0.00	64.72	187.92	53.22	51.60	24.47	5.87	0.00	0.00	79.10	214.26
2775	14.75	12.03	6.71	1.34	0.00	0.00	15.94	50.77	17.02	12.14	8.50	1.70	0.00	0.00	20.69	60.05
2780	14.58	11.90	5.37	1.07	0.00	0.00	12.81	45.73	16.82	12.01	6.94	1.39	0.00	0.00	15.91	53.07
2790	37.36	20.93	8.65	1.73	0.00	0.00	40.38	109.05	46.70	21.38	11.37	2.27	0.00	0.00	56.79	138.51
2795	21.16	17.27	7.42	1.48	0.00	0.00	22.88	70.21	24.42	17.43	9.39	1.88	0.00	0.00	29.69	82.81
2800	20.95	17.09	5.93	1.19	0.00	0.00	18.40	63.56	24.17	17.25	7.66	1.53	0.00	0.00	22.86	73.47
2810	20.63	20.00	7.42	1.63	0.00	0.00	25.09	74.77	23.21	20.13	9.39	2.07	0.00	0.00	31.36	86.16
2815	20.45	19.83	5.93	1.31	0.00	0.00	20.72	68.24	23.01	19.95	7.66	1.69	0.00	0.00	24.87	77.18
2825	54.68	32.78	11.78	2.59	0.00	0.00	62.36	164.19	65.62	33.31	15.48	3.41	0.00	0.00	83.15	200.97
2830	30.66	29.72	10.10	2.22	0.00	0.00	37.28	109.98	34.49	29.91	12.79	2.81	0.00	0.00	46.60	126.60
2835	31.67	30.71	8.08	1.78	0.00	0.00	32.10	104.34	35.63	30.90	10.43	2.30	0.00	0.00	38.52	117.78
2845	28.12	30.15	12.86	3.09	0.00	0.00	38.00	112.22	31.25	30.30	16.29	3.91	0.00	0.00	46.45	128.20
2850	32.40	31.41	10.29	2.26	0.00	0.00	32.83	109.19	36.45	31.61	13.29	2.92	0.00	0.00	39.40	123.67
2865	16.19	13.21	3.95	0.79	0.00	0.00	17.50	51.64	18.68	13.33	5.00	1.00	0.00	0.00	22.72	60.73
2870	13.73	13.31	3.16	0.69	0.00	0.00	13.92	44.81	15.45	13.40	4.08	0.90	0.00	0.00	16.70	50.53
2880	20.21	16.49	5.58	1.12	0.00	0.00	21.85	65.25	23.32	16.65	7.07	1.41	0.00	0.00	28.36	76.81
2885	17.28	16.76	4.47	0.98	0.00	0.00	17.51	57.00	19.44	16.86	5.77	1.27	0.00	0.00	21.02	64.36
2890	20.27	19.66	6.66	1.46	0.00	0.00	24.65	72.70	22.81	19.78	8.43	1.85	0.00	0.00	30.82	83.69
2895	21.00	20.36	5.32	1.17	0.00	0.00	21.28	69.13	23.63	20.49	6.88	1.51	0.00	0.00	25.54	78.05
2900	56.64	60.71	8.53	2.05	0.00	0.00	65.05	192.98	62.93	61.01	11.01	2.64	0.00	0.00	76.52	214.11
2910	5.60	4.57	4.00	1.20	0.89	0.13	5.00	21.39								
2915	6.02	4.90	4.11	1.23	0.89	0.13	5.38	22.66								
2920	6.76	5.54	4.11	1.23	1.21	0.18	6.04	25.07								
2925	7.42	6.07	4.11	1.23	1.25	0.19	6.63	26.90								
2930	9.90	8.07	5.57	1.67	1.09	0.16	8.84	35.30								
2935	13.63	11.22	6.07	1.82	2.66	0.40	12.19	47.99								
2940	16.15	13.37	6.07	1.82	3.49	0.52	14.46	55.88								
2945	20.03	16.46	7.43	2.23	3.76	0.56	17.90	68.37								
2950	25.68	21.25	8.22	2.46	5.53	0.83	22.98	86.95								
2955	48.82	40.11	18.29	5.49	9.11	1.37	43.64	166.83								
2965	5.82	4.67	4.07	1.22	0.54	0.08	5.18	21.58								
2970	6.28	5.03	4.32	1.30	0.54	0.08	5.59	23.14								
2975	9.54	7.82	6.43	1.93	1.70	0.25	8.52	36.19								
2985	5.91	4.73	4.46	1.34	0.54	0.08	5.26	22.32								
2990	6.08	4.87	4.46	1.34	0.54	0.08	5.41	22.78								
2995	6.29	5.04	4.46	1.34	0.54	0.08	5.60	23.35								
3000	7.10	5.75	4.46	1.34	0.93	0.14	6.33	26.05								
3005	9.06	7.36	5.54	1.66	1.27	0.19	8.09	33.17								
3010	9.34	7.58	5.54	1.66	1.27	0.19	8.33	33.91								
3015	9.67	7.83	5.54	1.66	1.27	0.19	8.62	34.78								
3020	12.74	10.52	7.22	2.16	2.66	0.40	11.40	47.10								
3025	13.21	10.89	7.22	2.16	2.66	0.40	11.82	48.36								
3030	13.73	11.30	7.22	2.16	2.66	0.40	12.28	49.75								
3035	17.57	14.53	8.39	2.52	3.76	0.56	15.73	63.06								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
3045	5.25	4.21	4.21	1.26	0.44	0.07	4.68	20.12								
3050	5.42	4.35	4.21	1.26	0.54	0.08	4.83	20.69								
3055	5.65	4.54	4.21	1.26	0.54	0.08	5.03	21.31								
3060	6.44	5.24	4.21	1.26	0.93	0.14	5.75	23.97								
3065	14.37	11.80	6.72	2.01	2.66	0.40	12.84	50.80								
3075	9.43	8.44	6.11	1.59	0.76	0.11	7.20	33.64	10.61	8.50	7.82	2.03	0.92	0.14	8.77	38.79
3080	16.47	14.65	8.69	2.26	0.95	0.14	12.56	55.72	18.53	14.75	11.19	2.91	1.16	0.17	15.31	64.02
3090	10.92	8.17	6.14	2.21	0.51	0.08	6.93	34.96	12.59	8.25	8.08	2.91	0.62	0.09	8.80	41.34
3095	10.89	9.76	7.25	1.89	0.94	0.14	8.31	39.18	12.26	9.83	9.54	2.48	1.15	0.17	10.13	45.56
3100	13.63	12.15	7.61	1.98	0.95	0.14	10.39	46.85	15.33	12.24	10.01	2.60	1.16	0.17	12.67	54.18
3105	17.89	17.89	8.87	2.31	2.49	0.37	15.96	65.78	19.88	17.99	11.39	2.96	3.08	0.46	19.00	74.76
3110	27.87	27.54	9.19	2.39	2.49	0.37	24.81	94.66	30.97	27.70	11.77	3.06	3.08	0.46	29.54	106.58
3115	27.82	33.51	14.05	3.65	3.19	0.48	30.24	112.94	30.60	33.65	18.09	4.70	3.94	0.59	35.34	126.91
3125	10.76	8.08	7.72	2.78	0.61	0.09	6.84	36.88	12.42	8.16	10.15	3.65	0.75	0.11	8.68	43.92
3130	10.52	9.37	7.72	2.01	0.68	0.10	8.02	38.42	11.84	9.43	10.15	2.64	0.84	0.13	9.78	44.81
3135	12.83	11.43	8.72	2.27	0.81	0.12	9.78	45.96	14.44	11.51	11.47	2.98	0.99	0.15	11.92	53.46
3145	11.16	8.35	7.50	2.70	0.51	0.08	7.09	37.39	12.88	8.44	9.87	3.55	0.62	0.09	9.00	44.45
3150	11.78	10.52	8.72	2.27	0.90	0.13	8.98	43.30	13.25	10.59	11.47	2.98	1.10	0.17	10.95	50.51
3155	12.75	11.37	8.50	2.21	0.90	0.13	9.72	45.58	14.34	11.45	11.19	2.91	1.10	0.17	11.85	53.01
3160	18.34	18.33	13.04	3.39	2.49	0.37	16.35	72.31	20.38	18.43	17.15	4.46	3.08	0.46	19.47	83.43
3170	17.23	15.47	5.76	1.50	1.66	0.25	13.15	55.02	19.38	15.58	7.34	1.91	2.05	0.31	16.03	62.60
3175	15.99	15.86	5.76	1.50	1.66	0.25	14.24	55.26	17.77	15.94	7.34	1.91	2.05	0.31	16.95	62.27
3180	19.72	19.47	9.21	2.39	1.66	0.25	17.55	70.25	21.92	19.57	11.88	3.09	2.05	0.31	20.90	79.72
3185	22.51	22.27	10.04	2.61	2.11	0.32	20.04	79.90	25.02	22.40	12.85	3.34	2.61	0.39	23.86	90.47
3190	27.00	32.26	12.01	3.12	2.11	0.32	29.29	106.11	29.70	32.40	15.44	4.01	2.61	0.39	34.24	118.79
3195	35.83	43.36	13.38	3.48	4.86	0.73	38.98	140.62	39.41	43.54	17.14	4.46	6.00	0.90	45.56	157.01
3205	15.61	14.06	5.59	1.45	1.66	0.25	11.93	50.55	17.56	14.16	7.10	1.85	2.05	0.31	14.53	57.56
3210	21.63	21.35	8.11	2.11	1.85	0.28	19.25	74.58	24.03	21.47	10.34	2.69	2.29	0.34	22.91	84.07
3215	21.51	25.81	8.32	2.16	2.11	0.32	23.36	83.59	23.66	25.92	10.62	2.76	2.61	0.39	27.30	93.26
3225	16.32	16.18	7.10	1.85	1.66	0.25	14.53	57.89	18.13	16.27	9.08	2.36	2.05	0.31	17.30	65.50
3230	20.01	19.78	9.38	2.44	1.85	0.28	17.81	71.55	22.23	19.89	12.06	3.14	2.29	0.34	21.20	81.15
3235	20.79	24.98	9.88	2.57	2.12	0.32	22.58	83.24	22.87	25.09	12.69	3.30	2.59	0.39	26.40	93.33
3245	13.67	10.23	4.29	1.54	0.66	0.10	8.68	39.17	15.77	10.34	5.44	1.96	0.83	0.12	11.02	45.48
3250	12.75	11.34	4.53	1.18	0.77	0.12	9.72	40.41	14.34	11.42	5.75	1.49	0.96	0.14	11.84	45.94
3255	14.23	12.69	4.80	1.25	1.00	0.15	10.85	44.97	16.01	12.78	6.08	1.58	1.23	0.19	13.23	51.10
3260	18.24	16.36	6.46	1.68	1.66	0.25	13.93	58.58	20.52	16.47	8.26	2.15	2.05	0.31	16.97	66.73
3265	18.06	17.85	6.60	1.72	1.66	0.25	16.07	62.21	20.06	17.95	8.42	2.19	2.05	0.31	19.14	70.12
3270	20.18	20.01	8.15	2.12	2.11	0.32	17.97	70.86	22.42	20.12	10.36	2.69	2.61	0.39	21.40	79.99
3275	24.79	24.47	8.83	2.30	2.11	0.32	22.06	84.88	27.54	24.60	11.25	2.93	2.61	0.39	26.26	95.58
3280	22.40	26.86	9.94	2.58	2.11	0.32	24.32	88.53	24.64	26.97	12.71	3.31	2.61	0.39	28.42	99.05
3285	49.31	58.80	16.13	4.19	3.42	0.51	53.47	185.83	54.24	59.05	20.76	5.40	4.22	0.63	62.50	206.80
3295	10.57	12.70	5.13	7.54	0.00	0.00	13.17	49.11								
3300	0.45	0.54	0.00	0.00	0.00	0.00	0.56	1.55								
3305	1.69	2.03	0.00	0.00	0.00	0.00	2.10	5.82								
3310	13.27	15.96	8.98	9.47	0.00	0.00	16.54	64.22								
3315	0.45	0.54	0.00	0.00	0.00	0.00	0.56	1.55								
3320	1.69	2.03	0.00	0.00	0.00	0.00	2.10	5.82								
3325	16.23	19.51	8.98	9.47	0.00	0.00	20.22	74.41								
3330	0.56	0.68	0.00	0.00	0.00	0.00	0.70	1.94								
3335	1.72	2.06	0.00	0.00	0.00	0.00	2.14	5.92								
3340	18.78	22.57	14.11	12.03	0.00	0.00	23.40	90.89								
3345	0.60	0.72	0.00	0.00	0.00	0.00	0.74	2.06								
3350	3.32	3.99	0.00	0.00	0.00	0.00	4.13	11.44								
3355	19.81	23.82	14.11	12.03	0.00	0.00	24.68	94.45								
3360	0.56	0.68	0.00	0.00	0.00	0.00	0.70	1.94								

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	3.50	4.20	0.00	0.00	0.00	0.00	4.36	12.06								
3375	5.67	3.13	0.00	0.80	0.00	0.00	6.57	16.17								
3380	5.34	2.95	0.00	0.80	0.00	0.00	6.18	15.27								
3385	5.89	3.25	0.00	0.80	0.00	0.00	6.83	16.77								
3390	7.17	3.96	0.00	0.85	0.00	0.00	8.31	20.29								
3395	7.97	4.40	0.00	0.90	0.00	0.00	9.23	22.50								
3405	6.30	3.48	0.00	0.80	0.00	0.00	7.30	17.88								
3410	6.87	3.79	0.00	0.85	0.00	0.00	7.96	19.47								
3415	9.59	5.29	4.42	1.06	0.00	0.00	11.10	31.46								
3425	3.15	1.74	0.00	0.51	0.00	0.00	3.65	9.05								
3430	5.57	3.08	0.00	0.81	0.00	0.00	6.45	15.91								
3435	6.55	3.62	0.00	0.81	0.00	0.00	7.59	18.57								
3440	8.10	4.47	0.00	0.91	0.00	0.00	9.38	22.86								
3445	17.48	9.64	7.29	1.75	0.00	0.00	20.24	56.40								
3455	1.44	0.79	0.00	0.31	0.00	0.00	1.66	4.20								
3460	0.92	0.51	0.00	0.31	0.00	0.00	1.07	2.81								
3465	0.14	0.08	0.00	0.25	0.00	0.00	0.16	0.63								
3475	2.42	1.33	1.94	0.47	0.00	0.00	2.80	8.96								
3480	1.64	0.91	0.88	0.21	0.00	0.00	1.90	5.54								
3490	1.37	0.75	1.13	0.18	0.00	0.00	1.58	5.01								
3495	2.08	1.15	2.91	0.47	0.00	0.00	2.41	9.02								
3500	2.48	1.37	1.77	0.42	0.00	0.00	2.87	8.91								
3505	2.85	1.57	2.39	0.57	0.00	0.00	3.30	10.68								
3510	3.42	1.89	2.65	0.64	0.00	0.00	3.96	12.56								
3520	1.44	0.80	1.69	0.27	0.00	0.00	1.67	5.87								
3525	2.23	1.23	2.16	0.52	0.00	0.00	2.58	8.72								
3535	13.26	10.65	9.28	3.53	0.00	0.00	15.35	52.07								
3540	17.22	14.02	13.43	5.10	1.26	0.19	20.00	71.22								
3545	16.07	13.04	19.22	7.30	0.86	0.13	18.65	75.27								
3555	15.61	12.73	9.94	3.78	1.25	0.19	18.14	61.64								
3560	23.86	19.43	14.80	5.62	1.71	0.26	27.71	93.39								
3565	25.40	20.67	15.46	5.88	1.71	0.26	29.50	98.88								
3570	18.37	14.76	18.11	6.88	0.00	0.00	21.27	79.39								
3575	20.30	16.31	18.11	6.88	0.00	0.00	23.51	85.11								
3580	23.01	24.27	23.15	7.41	0.00	0.00	26.64	104.48								
3585	42.56	44.90	48.21	24.11	0.00	0.00	24.64	184.42								
3605	1.26	0.72	1.54	0.69	0.05	0.01	1.18	5.45								
3610	1.26	0.72	1.54	0.69	0.06	0.01	1.19	5.47								
3615	1.31	0.75	1.54	0.69	0.08	0.01	1.23	5.61								
3620	1.83	1.04	2.74	1.23	0.09	0.01	1.72	8.66								
3625	1.86	1.07	2.74	1.23	0.09	0.01	1.75	8.75								
3630	2.05	1.17	4.02	1.81	0.09	0.01	1.93	11.08								
3635	2.53	1.45	4.53	2.04	0.14	0.02	2.38	13.09								
3640	2.67	1.52	4.53	2.04	0.12	0.02	2.50	13.40								
3645	2.83	1.60	4.53	2.04	0.08	0.01	2.66	13.75								
3650	1.22	0.69	2.83	0.68	0.03	0.00	1.15	6.60								
3655	1.59	0.92	3.67	0.88	0.11	0.02	1.50	8.69								
3660	1.59	0.94	3.67	0.88	0.19	0.03	1.51	8.81								
3665	2.26	1.30	4.82	1.16	0.13	0.02	2.13	11.82								
3670	2.29	1.32	4.82	1.16	0.13	0.02	2.15	11.89								
3675	2.38	1.37	4.82	1.16	0.13	0.02	2.24	12.12								
3680	3.43	1.97	5.05	1.21	0.19	0.03	3.23	15.11								
3685	3.70	2.12	2.50	0.60	0.19	0.03	3.48	12.62								
3690	4.81	2.81	4.46	1.07	0.45	0.07	4.54	18.21								
3695	5.26	3.06	4.46	1.07	0.45	0.07	4.96	19.33								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
3700	5.43	3.14	4.46	1.07	0.40	0.06	5.11	19.67								
3705	6.03	3.52	4.46	1.07	0.58	0.09	5.69	21.44								
3710	2.09	1.22	2.43	0.58	0.20	0.03	1.98	8.53								
3715	2.15	1.25	2.43	0.58	0.20	0.03	2.03	8.67								
3720	2.62	1.52	2.43	0.58	0.20	0.03	2.47	9.85								
3725	2.70	1.57	2.43	0.58	0.25	0.04	2.55	10.12								
3735	1.21	0.71	4.82	1.16	0.13	0.02	1.15	9.20								
3740	1.77	1.02	6.12	1.47	0.14	0.02	1.67	12.21								
3745	3.53	2.02	8.88	2.13	0.16	0.02	3.32	20.06								
3750	4.71	2.75	9.72	2.33	0.46	0.07	4.45	24.49								
3755	5.54	3.22	9.72	2.33	0.46	0.07	5.22	26.56								
3760	5.52	3.22	9.72	2.33	0.54	0.08	5.21	26.62								
3765	6.04	3.49	9.72	2.33	0.44	0.07	5.69	27.78								
3770	12.44	7.20	14.55	3.49	0.96	0.14	11.71	50.49								
3785	1.77	0.74	5.29	1.27	0.00	0.00	1.35	10.42	2.03	0.75	6.96	1.67	0.00	0.00	1.80	13.21
3790	2.33	0.97	6.68	1.60	0.00	0.00	1.77	13.35	2.66	0.98	8.79	2.11	0.00	0.00	2.36	16.90
3795	2.51	1.04	7.86	1.89	0.00	0.00	1.91	15.21	2.87	1.06	10.34	2.48	0.00	0.00	2.54	19.29
3800	2.69	1.12	10.36	2.49	0.00	0.00	2.05	18.71	3.08	1.14	13.63	3.27	0.00	0.00	2.73	23.85
3805	3.08	1.28	13.22	3.17	0.00	0.00	2.34	23.09	3.52	1.30	17.39	4.17	0.00	0.00	3.12	29.50
3810	3.66	1.52	13.22	3.17	0.00	0.00	2.78	24.35	4.18	1.55	17.39	4.17	0.00	0.00	3.71	31.00
3815	4.08	1.70	16.07	3.86	0.00	0.00	3.10	28.81	4.66	1.73	21.15	5.08	0.00	0.00	4.13	36.75
3820	4.94	2.05	17.86	4.29	0.00	0.00	3.75	32.89	5.64	2.09	23.50	5.64	0.00	0.00	5.00	41.87
3825	6.70	2.79	23.22	5.57	0.00	0.00	5.09	43.37	7.66	2.83	30.55	7.33	0.00	0.00	6.79	55.16
3830	8.94	3.71	30.18	7.24	0.00	0.00	6.79	56.86	10.21	3.78	39.71	9.53	0.00	0.00	9.05	72.28
3835	12.15	5.05	44.65	10.72	0.00	0.00	9.23	81.80	13.89	5.14	58.75	14.10	0.00	0.00	12.31	104.19
3840	15.96	6.64	51.79	12.43	0.00	0.00	12.13	98.95	18.24	6.75	68.15	16.36	0.00	0.00	16.17	125.67
3850	0.07	0.03	0.38	0.09	0.00	0.00	0.05	0.62	0.08	0.03	0.50	0.12	0.00	0.00	0.07	0.80
3855	0.11	0.05	0.61	0.15	0.00	0.00	0.09	1.01	0.13	0.05	0.80	0.19	0.00	0.00	0.12	1.29
3860	0.15	0.06	0.92	0.22	0.00	0.00	0.11	1.46	0.17	0.06	1.20	0.29	0.00	0.00	0.15	1.87
3875	0.15	0.06	0.46	0.11	0.00	0.00	0.12	0.90	0.17	0.06	0.60	0.14	0.00	0.00	0.16	1.13
3880	0.34	0.14	1.07	0.26	0.00	0.00	0.26	2.07	0.39	0.15	1.40	0.34	0.00	0.00	0.35	2.63
3885	0.38	0.16	1.53	0.37	0.00	0.00	0.29	2.73	0.43	0.16	2.00	0.48	0.00	0.00	0.38	3.45
3890	0.40	0.17	0.21	0.05	0.00	0.00	0.30	1.13	0.46	0.17	0.28	0.07	0.00	0.00	0.40	1.38
3895	0.53	0.22	0.43	0.10	0.00	0.00	0.40	1.68	0.61	0.22	0.56	0.14	0.00	0.00	0.54	2.07
3900	0.76	0.32	0.79	0.19	0.00	0.00	0.58	2.64	0.87	0.32	1.03	0.25	0.00	0.00	0.77	3.24
3905	0.78	0.32	0.96	0.23	0.00	0.00	0.59	2.88	0.89	0.33	1.27	0.30	0.00	0.00	0.79	3.58
3910	1.16	0.48	2.25	0.54	0.00	0.00	0.88	5.31	1.32	0.49	2.96	0.71	0.00	0.00	1.17	6.65
3915	1.53	0.64	3.11	0.75	0.00	0.00	1.16	7.19	1.75	0.65	4.09	0.98	0.00	0.00	1.55	9.02
3920	1.76	0.73	3.64	0.87	0.00	0.00	1.34	8.34	2.01	0.74	4.79	1.15	0.00	0.00	1.78	10.47
3925	2.10	0.87	5.79	1.39	0.00	0.00	1.59	11.74	2.40	0.89	7.61	1.83	0.00	0.00	2.12	14.85
3930	2.20	0.91	5.79	1.39	0.00	0.00	1.67	11.96	2.51	0.93	7.61	1.83	0.00	0.00	2.22	15.10
3935	2.54	1.06	7.50	1.80	0.00	0.00	1.93	14.83	2.91	1.07	9.87	2.37	0.00	0.00	2.57	18.79
3940	3.01	1.25	9.86	2.37	0.00	0.00	2.29	18.78	3.44	1.27	12.97	3.11	0.00	0.00	3.05	23.84
3950	0.09	0.04	0.38	0.09	0.00	0.00	0.07	0.67	0.11	0.04	0.50	0.12	0.00	0.00	0.10	0.87
3955	0.10	0.04	0.54	0.13	0.00	0.00	0.08	0.89	0.12	0.04	0.70	0.17	0.00	0.00	0.10	1.13
3960	0.15	0.06	0.61	0.15	0.00	0.00	0.11	1.08	0.17	0.06	0.80	0.19	0.00	0.00	0.15	1.37
3965	0.18	0.08	0.77	0.18	0.00	0.00	0.14	1.35	0.21	0.08	1.00	0.24	0.00	0.00	0.19	1.72
3970	0.19	0.08	1.22	0.29	0.00	0.00	0.15	1.93	0.22	0.08	1.60	0.38	0.00	0.00	0.20	2.48
3975	0.18	0.08	1.22	0.29	0.00	0.00	0.14	1.91	0.21	0.08	1.60	0.38	0.00	0.00	0.19	2.46
3990	6.08	4.58	4.11	1.40	0.45	0.07	5.29	21.98	7.30	4.64	5.40	1.84	0.60	0.09	7.41	27.28
3995	6.95	5.22	4.44	1.51	0.45	0.07	6.04	24.68	8.34	5.28	5.84	1.98	0.60	0.09	8.46	30.59
4000	7.52	5.65	4.44	1.51	0.49	0.07	6.54	26.22	9.02	5.72	5.84	1.98	0.66	0.10	9.15	32.47
4005	7.63	5.75	4.93	1.68	0.56	0.08	6.64	27.27	9.15	5.82	6.49	2.21	0.76	0.11	9.29	33.83
4010	10.55	8.08	5.92	2.01	1.24	0.19	9.22	37.21	12.66	8.18	7.78	2.65	1.68	0.25	12.91	46.11
4015	15.02	11.55	8.22	2.80	1.93	0.29	13.15	52.96	18.03	11.70	10.81	3.68	2.62	0.39	18.40	65.63

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4025	5.90	4.46	4.11	1.40	0.49	0.07	5.14	21.57	7.08	4.52	5.40	1.84	0.66	0.10	7.19	26.79
4030	6.71	5.07	4.74	1.61	0.54	0.08	5.85	24.60	8.06	5.14	6.23	2.12	0.73	0.11	8.19	30.58
4035	7.10	5.38	4.87	1.66	0.62	0.09	6.19	25.91	8.52	5.45	6.40	2.18	0.84	0.13	8.67	32.19
4040	7.78	5.85	5.95	2.02	0.54	0.08	6.77	28.99	9.33	5.93	7.83	2.66	0.73	0.11	9.47	36.06
4045	5.54	4.19	4.11	1.40	0.49	0.07	4.83	20.63	6.64	4.25	5.40	1.84	0.66	0.10	6.76	25.65
4050	6.13	4.64	4.74	1.61	0.54	0.08	5.35	23.09	7.36	4.71	6.23	2.12	0.73	0.11	7.48	28.74
4055	6.46	4.91	4.87	1.66	0.62	0.09	5.64	24.25	7.76	4.97	6.40	2.18	0.84	0.13	7.89	30.17
4060	7.08	5.36	5.95	2.02	0.62	0.09	6.17	27.29	8.49	5.43	7.83	2.66	0.84	0.13	8.64	34.02
4065	8.74	6.75	7.57	2.57	1.24	0.19	7.66	34.72	10.49	6.84	9.95	3.38	1.68	0.25	10.72	43.31
4075	3.31	2.47	2.24	0.76	0.15	0.02	2.87	11.82	3.97	2.50	2.94	1.00	0.21	0.03	4.02	14.67
4080	4.72	3.59	4.28	1.45	0.49	0.07	4.12	18.72	5.66	3.64	5.62	1.91	0.66	0.10	5.77	23.36
4085	5.19	3.96	4.77	1.62	0.56	0.08	4.53	20.71	6.23	4.01	6.27	2.13	0.76	0.11	6.34	25.85
4090	5.36	4.16	5.26	1.79	0.82	0.12	4.70	22.21	6.43	4.21	6.92	2.35	1.11	0.17	6.58	27.77
4100	2.81	2.10	4.81	0.96	0.15	0.02	2.44	13.29	3.37	2.13	6.23	1.25	0.21	0.03	3.41	16.63
4105	6.00	4.53	4.77	1.62	0.45	0.07	5.23	22.67	7.21	4.59	6.27	2.13	0.60	0.09	7.32	28.21
4110	7.47	5.63	6.12	2.08	0.56	0.08	6.50	28.44	8.96	5.70	8.04	2.73	0.76	0.11	9.10	35.40
4120	0.48	0.27	0.00	0.10	0.00	0.00	0.51	1.36								
4125	0.76	0.43	0.00	0.19	0.00	0.00	0.81	2.19								
4130	0.92	0.51	0.00	0.30	0.00	0.00	0.98	2.71								
4135	2.39	1.33	0.00	0.40	0.00	0.00	2.55	6.67								
4145	5.62	3.14	3.57	0.86	0.00	0.00	6.00	19.19								
4150	7.59	4.24	3.57	0.86	0.00	0.00	8.11	24.37								
4155	11.67	6.51	4.64	1.11	0.00	0.00	12.47	36.40								
4160	13.01	7.26	5.36	1.29	0.00	0.00	13.90	40.82								
4175	10.37	5.25	3.39	1.29	0.00	0.00	10.51	30.81	13.83	5.41	4.45	1.69	0.00	0.00	16.01	41.39
4180	14.90	8.35	6.09	1.22	0.00	0.00	16.11	46.67	18.63	8.53	8.00	1.60	0.00	0.00	22.65	59.41
4185	22.12	12.39	9.87	1.97	0.00	0.00	23.91	70.26	27.65	12.66	12.97	2.59	0.00	0.00	33.62	89.49
4190	31.33	18.78	15.00	3.30	0.00	0.00	35.73	104.14	37.60	19.09	19.72	4.34	0.00	0.00	47.64	128.39
4200	12.77	7.15	5.26	1.05	0.00	0.00	13.80	40.03	15.96	7.31	6.92	1.38	0.00	0.00	19.41	50.98
4205	18.32	10.26	7.73	1.55	0.00	0.00	19.80	57.66	22.89	10.48	10.16	2.03	0.00	0.00	27.84	73.40
4210	19.62	11.76	10.13	2.23	0.00	0.00	22.38	66.12	23.54	11.95	13.32	2.93	0.00	0.00	29.83	81.57
4215	40.94	24.54	20.27	4.46	0.00	0.00	46.69	136.90	49.13	24.94	26.64	5.86	0.00	0.00	62.25	168.82
4225	16.61	8.40	5.79	2.20	0.00	0.00	16.83	49.83	22.15	8.67	7.61	2.89	0.00	0.00	25.64	66.96
4230	19.64	11.00	6.74	1.35	0.00	0.00	21.23	59.96	24.55	11.24	8.86	1.77	0.00	0.00	29.86	76.28
4235	24.72	13.85	8.16	1.63	0.00	0.00	26.72	75.08	30.90	14.15	10.72	2.14	0.00	0.00	37.58	95.49
4240	36.79	22.05	12.90	2.84	0.00	0.00	41.96	116.54	44.15	22.41	16.95	3.73	0.00	0.00	55.95	143.19
4250	9.69	4.90	4.11	1.56	0.00	0.00	9.82	30.08	12.92	5.06	5.40	2.05	0.00	0.00	14.96	40.39
4255	12.11	6.12	5.43	2.06	0.00	0.00	12.26	37.98	16.14	6.32	7.13	2.71	0.00	0.00	18.69	50.99
4260	12.09	6.77	6.58	1.32	0.00	0.00	13.07	39.83	15.12	6.92	8.65	1.73	0.00	0.00	18.38	50.80
4270	11.69	5.92	2.96	1.13	0.00	0.00	11.84	33.54	15.59	6.10	3.89	1.48	0.00	0.00	18.05	45.11
4275	14.51	7.34	4.44	1.69	0.00	0.00	14.69	42.67	19.34	7.57	5.84	2.22	0.00	0.00	22.39	57.36
4280	22.37	12.53	6.42	1.28	0.00	0.00	24.18	66.78	27.96	12.80	8.43	1.69	0.00	0.00	34.00	84.88
4285	34.85	19.52	10.69	2.14	0.00	0.00	37.67	104.87	43.56	19.95	14.05	2.81	0.00	0.00	52.97	133.34
4300	14.71	7.44	3.78	1.44	0.00	0.00	14.90	42.27	19.61	7.68	4.97	1.89	0.00	0.00	22.70	56.85
4305	18.06	9.13	5.26	2.00	0.00	0.00	18.29	52.74	24.07	9.43	6.92	2.63	0.00	0.00	27.87	70.92
4310	21.21	11.88	8.95	1.79	0.00	0.00	22.93	66.76	26.52	12.14	11.76	2.35	0.00	0.00	32.25	85.02
4325	11.83	6.63	5.92	1.18	0.00	0.00	12.78	38.34	14.78	6.77	7.78	1.56	0.00	0.00	17.98	48.87
4330	21.29	11.93	9.54	1.91	0.00	0.00	23.02	67.69	26.62	12.19	12.54	2.51	0.00	0.00	32.37	86.23
4335	26.59	15.94	12.83	2.82	0.00	0.00	30.33	88.51	31.91	16.20	16.86	3.71	0.00	0.00	40.44	109.12
4345	10.72	5.42	4.31	1.64	0.00	0.00	10.86	32.95	14.29	5.59	5.66	2.15	0.00	0.00	16.54	44.23
4350	19.11	10.70	6.91	1.38	0.00	0.00	20.65	58.75	23.89	10.94	9.08	1.82	0.00	0.00	29.05	74.78
4355	21.60	12.10	8.55	1.71	0.00	0.00	23.35	67.31	27.00	12.36	11.24	2.25	0.00	0.00	32.84	85.69
4365	10.85	5.49	3.55	1.35	0.00	0.00	10.99	32.23	14.47	5.67	4.67	1.77	0.00	0.00	16.75	43.33
4370	14.45	7.31	4.70	1.79	0.00	0.00	14.64	42.89	19.27	7.54	6.18	2.35	0.00	0.00	22.30	57.64
4375	14.87	8.33	6.91	1.38	0.00	0.00	16.07	47.56	18.59	8.51	9.08	1.82	0.00	0.00	22.61	60.61

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	21.66	12.14	7.90	1.58	0.00	0.00	23.42	66.70	27.08	12.40	10.38	2.08	0.00	0.00	32.93	84.87
4385	26.97	15.11	10.10	2.02	0.00	0.00	29.16	83.36	33.72	15.44	13.27	2.65	0.00	0.00	41.00	106.08
4390	30.81	18.47	10.92	2.40	0.00	0.00	35.14	97.74	36.97	18.77	14.36	3.16	0.00	0.00	46.85	120.11
4395	38.29	22.95	13.82	3.04	0.00	0.00	43.67	121.77	45.95	23.33	18.16	4.00	0.00	0.00	58.23	149.67
4400	42.65	25.57	15.27	3.36	0.00	0.00	48.64	135.49	51.18	25.98	20.06	4.41	0.00	0.00	64.86	166.49
4405	53.20	36.78	21.85	5.24	0.00	0.00	74.16	191.23	62.07	37.21	28.71	6.89	0.00	0.00	94.39	229.27
4410	62.12	42.94	27.37	6.57	0.00	0.00	86.59	225.59	72.47	43.44	35.98	8.63	0.00	0.00	10.20	270.72
4425	13.65	6.90	5.00	1.90	0.00	0.00	13.82	41.27	18.19	7.12	6.57	2.50	0.00	0.00	21.06	55.44
4430	18.88	10.58	7.50	1.50	0.00	0.00	20.41	58.87	23.60	10.81	9.86	1.97	0.00	0.00	28.70	74.94
4435	23.37	13.09	10.00	2.00	0.00	0.00	25.26	73.72	29.21	13.37	13.14	2.63	0.00	0.00	35.52	93.87
4445	9.10	6.84	7.12	2.62	0.56	0.08	5.79	32.11	10.50	6.91	9.32	3.43	0.71	0.11	7.34	38.32
4450	11.92	8.93	7.18	2.58	0.59	0.09	7.57	38.86	13.76	9.02	9.23	3.32	0.73	0.11	9.61	45.78
4455	13.55	12.08	11.89	3.09	0.94	0.14	10.33	52.02	15.24	12.16	15.32	3.98	1.17	0.18	12.59	60.64
4465	1.49	0.83	0.00	0.11	0.00	0.00	1.56	3.99	1.86	0.84	0.00	0.11	0.00	0.00	2.19	5.00
4470	1.96	1.09	0.00	0.13	0.00	0.00	2.05	5.23	2.45	1.11	0.00	0.13	0.00	0.00	2.88	6.57
4475	2.90	1.61	0.00	0.17	0.00	0.00	3.04	7.72	3.63	1.65	0.00	0.17	0.00	0.00	4.27	9.72
4480	1.49	0.83	0.00	0.24	0.00	0.00	1.56	4.12	1.87	0.85	0.00	0.24	0.00	0.00	2.20	5.16
4490	1.23	0.64	0.70	0.17	0.06	0.01	2.66	5.47								
4500	0.97	0.51	0.28	0.07	0.06	0.01	2.09	3.99								
4505	1.29	0.67	0.56	0.14	0.06	0.01	2.79	5.52								
4510	1.53	0.79	0.70	0.17	0.06	0.01	3.29	6.55								
4520	2.04	1.35	1.00	0.28	0.79	0.12	2.67	8.25	2.54	1.38	1.32	0.37	1.24	0.19	3.71	10.75
4530	0.40	0.25	0.00	0.00	0.00	0.00	0.51	1.16	0.50	0.25	0.00	0.00	0.00	0.00	0.71	1.46
4535	0.49	0.30	0.00	0.00	0.00	0.00	0.63	1.42	0.61	0.31	0.00	0.00	0.00	0.00	0.88	1.80
4540	0.09	0.06	0.00	0.00	0.00	0.00	0.12	0.27	0.12	0.06	0.00	0.00	0.00	0.00	0.16	0.34
4545	0.45	0.28	0.00	0.00	0.00	0.00	0.58	1.31	0.57	0.28	0.00	0.00	0.00	0.00	0.81	1.66
4550	0.39	0.24	0.00	0.00	0.00	0.00	0.50	1.13	0.49	0.25	0.00	0.00	0.00	0.00	0.70	1.44
4555	0.48	0.29	0.00	0.00	0.00	0.00	0.61	1.38	0.60	0.30	0.00	0.00	0.00	0.00	0.85	1.75
4560	0.69	0.43	0.00	0.00	0.00	0.00	0.89	2.01	0.86	0.44	0.00	0.00	0.00	0.00	1.24	2.54
4565	0.06	0.04	0.00	0.00	0.00	0.00	0.08	0.18	0.08	0.04	0.00	0.00	0.00	0.00	0.11	0.23
4570	2.19	1.46	1.50	0.42	0.97	0.14	2.88	9.56	2.74	1.49	1.97	0.55	1.52	0.23	3.99	12.49
4580	0.47	0.29	0.00	0.00	0.00	0.00	0.61	1.37	0.59	0.30	0.00	0.00	0.00	0.00	0.84	1.73
4585	0.52	0.32	0.00	0.00	0.00	0.00	0.67	1.51	0.65	0.33	0.00	0.00	0.00	0.00	0.93	1.91
4590	0.09	0.06	0.00	0.00	0.00	0.00	0.12	0.27	0.12	0.06	0.00	0.00	0.00	0.00	0.16	0.34
4595	0.45	0.28	0.00	0.00	0.00	0.00	0.58	1.31	0.57	0.28	0.00	0.00	0.00	0.00	0.81	1.66
4600	0.45	0.27	0.00	0.00	0.00	0.00	0.57	1.29	0.56	0.28	0.00	0.00	0.00	0.00	0.80	1.64
4605	0.62	0.38	0.00	0.00	0.00	0.00	0.80	1.80	0.77	0.39	0.00	0.00	0.00	0.00	1.11	2.27
4610	0.77	0.48	0.00	0.00	0.00	0.00	1.00	2.25	0.97	0.49	0.00	0.00	0.00	0.00	1.38	2.84
4615	0.06	0.04	0.00	0.00	0.00	0.00	0.08	0.18	0.08	0.04	0.00	0.00	0.00	0.00	0.11	0.23
4620	2.48	1.68	2.00	0.56	1.28	0.19	3.27	11.46	3.10	1.72	2.63	0.74	2.02	0.30	4.55	15.06
4630	0.50	0.31	0.00	0.00	0.00	0.00	0.64	1.45	0.63	0.31	0.00	0.00	0.00	0.00	0.89	1.83
4635	0.56	0.34	0.00	0.00	0.00	0.00	0.72	1.62	0.70	0.35	0.00	0.00	0.00	0.00	0.99	2.04
4640	0.09	0.06	0.00	0.00	0.00	0.00	0.12	0.27	0.12	0.06	0.00	0.00	0.00	0.00	0.16	0.34
4645	0.45	0.28	0.00	0.00	0.00	0.00	0.58	1.31	0.57	0.28	0.00	0.00	0.00	0.00	0.81	1.66
4650	0.52	0.32	0.00	0.00	0.00	0.00	0.66	1.50	0.65	0.33	0.00	0.00	0.00	0.00	0.92	1.90
4655	0.74	0.46	0.00	0.00	0.00	0.00	0.95	2.15	0.93	0.47	0.00	0.00	0.00	0.00	1.32	2.72
4660	0.95	0.59	0.00	0.00	0.00	0.00	1.22	2.76	1.19	0.60	0.00	0.00	0.00	0.00	1.70	3.49
4665	0.06	0.04	0.00	0.00	0.00	0.00	0.08	0.18	0.08	0.04	0.00	0.00	0.00	0.00	0.11	0.23
4670	3.19	2.17	3.00	0.84	1.78	0.27	4.21	15.46	3.99	2.22	3.95	1.11	2.82	0.42	5.85	20.36
4680	0.58	0.36	0.00	0.00	0.00	0.00	0.75	1.69	0.73	0.37	0.00	0.00	0.00	0.00	1.04	2.14
4685	0.76	0.47	0.00	0.00	0.00	0.00	0.98	2.21	0.95	0.48	0.00	0.00	0.00	0.00	1.36	2.79
4690	0.09	0.06	0.00	0.00	0.00	0.00	0.12	0.27	0.12	0.06	0.00	0.00	0.00	0.00	0.16	0.34
4695	0.45	0.28	0.00	0.00	0.00	0.00	0.58	1.31	0.57	0.28	0.00	0.00	0.00	0.00	0.81	1.66
4700	0.67	0.41	0.00	0.00	0.00	0.00	0.86	1.94	0.83	0.42	0.00	0.00	0.00	0.00	1.19	2.44
4705	0.86	0.53	0.00	0.00	0.00	0.00	1.10	2.49	1.07	0.54	0.00	0.00	0.00	0.00	1.53	3.14

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	
4710	1.32	0.81	0.00	0.00	0.00	0.00	1.70	3.83	1.65	0.83	0.00	0.00	0.00	0.00	2.36	4.84	
4715	0.06	0.04	0.00	0.00	0.00	0.00	0.08	0.18	0.08	0.04	0.00	0.00	0.00	0.00	0.11	0.23	
4720	5.78	3.82	4.57	1.28	2.08	0.31	7.57	25.41	7.23	3.89	6.02	1.68	3.27	0.49	10.52	33.10	
4730	0.85	0.52	0.00	0.00	0.00	0.00	1.09	2.46	1.06	0.53	0.00	0.00	0.00	0.00	1.51	3.10	
4735	0.09	0.06	0.00	0.00	0.00	0.00	0.12	0.27	0.12	0.06	0.00	0.00	0.00	0.00	0.16	0.34	
4740	0.48	0.30	0.00	0.00	0.00	0.00	0.62	1.40	0.60	0.30	0.00	0.00	0.00	0.00	0.86	1.76	
4745	0.79	0.49	0.00	0.00	0.00	0.00	1.01	2.29	0.99	0.50	0.00	0.00	0.00	0.00	1.41	2.90	
4750	1.16	0.71	0.00	0.00	0.00	0.00	1.49	3.36	1.45	0.73	0.00	0.00	0.00	0.00	2.07	4.25	
4755	1.63	1.01	0.00	0.00	0.00	0.00	2.10	4.74	2.04	1.03	0.00	0.00	0.00	0.00	2.91	5.98	
4760	0.06	0.04	0.00	0.00	0.00	0.00	0.08	0.18	0.08	0.04	0.00	0.00	0.00	0.00	0.11	0.23	
4765	9.92	6.70	4.46	1.25	5.13	0.77	13.06	41.29	12.39	6.83	5.87	1.64	8.13	1.22	18.14	54.22	
4770	11.11	7.45	6.61	1.85	5.23	0.78	14.61	47.64	13.89	7.60	8.69	2.43	8.30	1.24	20.29	62.44	
4775	11.21	7.70	6.61	1.85	7.23	1.09	14.83	50.52	14.01	7.85	8.69	2.43	11.55	1.73	20.60	66.86	
4780	12.89	8.86	10.36	2.90	8.55	1.28	17.06	61.90	16.11	9.03	13.63	3.82	13.69	2.05	23.70	82.03	
4785	12.47	8.28	6.61	1.85	5.13	0.77	16.35	51.46	15.59	8.44	8.69	2.43	8.13	1.22	22.70	67.20	
4790	13.21	8.74	6.61	1.85	5.23	0.78	17.31	53.73	16.51	8.92	8.69	2.43	8.30	1.24	24.04	70.13	
4795	14.81	9.92	10.36	2.90	7.23	1.09	19.47	65.78	18.51	10.12	13.63	3.82	11.55	1.73	27.04	86.40	
4800	16.32	10.98	10.36	2.90	8.55	1.28	21.47	71.86	20.40	11.19	13.63	3.82	13.69	2.05	29.82	94.60	
4810	1.03	0.63	0.00	0.00	0.00	0.00	1.32	2.98	1.28	0.65	0.00	0.00	0.00	0.00	1.83	3.76	
4815	1.35	0.83	0.00	0.00	0.00	0.00	1.74	3.92	1.69	0.85	0.00	0.00	0.00	0.00	2.41	4.95	
4820	1.54	0.95	0.00	0.00	0.00	0.00	1.99	4.48	1.93	0.97	0.00	0.00	0.00	0.00	2.76	5.66	
4825	1.55	0.96	0.00	0.00	0.00	0.00	1.99	4.50	1.94	0.98	0.00	0.00	0.00	0.00	2.77	5.69	
4835	3.19	1.77	1.50	0.57	0.00	0.00	5.21	12.24	3.99	1.81	1.98	0.75	0.00	0.00	6.77	15.30	
4840	3.99	2.21	2.04	0.78	0.00	0.00	6.52	15.54	4.99	2.26	2.69	1.02	0.00	0.00	8.47	19.43	
4845	5.36	2.97	3.01	1.14	0.00	0.00	8.76	21.24	6.71	3.04	3.96	1.50	0.00	0.00	11.39	26.60	
4850	7.28	4.04	4.05	1.54	0.00	0.00	11.89	28.80	9.10	4.13	5.33	2.03	0.00	0.00	15.46	36.05	
4855	8.63	4.79	5.40	2.05	0.00	0.00	14.10	34.97	10.79	4.89	7.11	2.70	0.00	0.00	18.33	43.82	
4865	3.57	1.98	2.51	0.95	0.00	0.00	5.84	14.85	4.47	2.02	3.30	1.25	0.00	0.00	7.59	18.63	
4870	6.36	3.53	3.08	1.17	0.00	0.00	10.39	24.53	7.95	3.60	4.06	1.54	0.00	0.00	13.51	30.66	
4875	7.97	4.42	4.24	1.61	0.00	0.00	13.01	31.25	9.96	4.51	5.58	2.12	0.00	0.00	16.92	39.09	
4880	10.49	5.82	5.78	2.20	0.00	0.00	17.14	41.43	13.12	5.94	7.61	2.89	0.00	0.00	22.28	51.84	
4885	15.68	8.69	8.09	3.08	0.00	0.00	25.61	61.15	19.60	8.88	10.66	4.05	0.00	0.00	33.30	76.49	
4895	3.36	1.86	2.43	0.92	0.00	0.00	5.49	14.06	4.20	1.90	3.20	1.22	0.00	0.00	7.14	17.66	
4900	3.97	2.20	3.01	1.14	0.00	0.00	6.49	16.81	4.96	2.25	3.96	1.50	0.00	0.00	8.43	21.10	
4905	4.78	2.65	3.35	1.27	0.00	0.00	7.81	19.86	5.98	2.71	4.42	1.68	0.00	0.00	10.15	24.94	
4910	6.18	3.43	4.70	1.79	0.00	0.00	10.10	26.20	7.73	3.50	6.19	2.35	0.00	0.00	13.13	32.90	
4915	8.13	4.51	5.78	2.20	0.00	0.00	13.28	33.90	10.16	4.60	7.61	2.89	0.00	0.00	17.26	42.52	
4920	11.65	6.46	8.59	3.27	0.00	0.00	19.03	49.00	14.56	6.60	11.32	4.30	0.00	0.00	24.74	61.52	
4930	4.13	2.29	2.51	0.95	0.00	0.00	6.74	16.62	5.16	2.34	3.30	1.25	0.00	0.00	8.77	20.82	
4935	4.94	2.74	3.01	1.14	0.00	0.00	8.07	19.90	6.18	2.80	3.96	1.50	0.00	0.00	10.50	24.94	
4940	7.89	4.37	5.01	1.90	0.00	0.00	12.88	32.05	9.86	4.47	6.60	2.51	0.00	0.00	16.75	40.19	
4945	11.53	6.39	7.32	2.78	0.00	0.00	18.83	46.85	14.41	6.53	9.64	3.66	0.00	0.00	24.48	58.72	
4955	3.06	1.70	1.62	0.62	0.00	0.00	5.01	12.01	3.83	1.74	2.13	0.81	0.00	0.00	6.51	15.02	
4960	4.06	2.25	2.58	0.98	0.00	0.00	6.62	16.49	5.07	2.30	3.40	1.29	0.00	0.00	8.61	20.67	
4965	5.01	2.78	3.01	1.14	0.00	0.00	8.18	20.12	6.26	2.84	3.96	1.50	0.00	0.00	10.63	25.19	
4975	3.60	2.00	2.54	0.97	0.00	0.00	5.89	15.00	4.50	2.04	3.35	1.27	0.00	0.00	7.65	18.81	
4980	4.96	2.75	3.47	1.32	0.00	0.00	8.10	20.60	6.20	2.81	4.57	1.74	0.00	0.00	10.53	25.85	
4985	6.45	3.58	4.24	1.61	0.00	0.00	10.54	26.42	8.06	3.65	5.58	2.12	0.00	0.00	13.70	33.11	
4990	7.88	4.37	5.20	1.98	0.00	0.00	12.88	32.31	9.85	4.47	6.85	2.60	0.00	0.00	16.74	40.51	
4995	11.42	6.33	7.71	2.93	0.00	0.00	18.66	47.05	14.28	6.47	10.15	3.86	0.00	0.00	24.25	59.01	
5000	22.73	12.60	13.49	5.13	0.00	0.00	37.13	91.08	28.42	12.88	17.77	6.75	0.00	0.00	48.27	114.09	
5010	0.59	0.38	1.22	0.39	0.09	0.01	0.60	3.28	0.74	0.39	1.60	0.51	0.17	0.03	0.81	4.25	
5015	0.69	0.44	0.46	0.20	0.09	0.01	0.71	2.60	0.86	0.45	0.61	0.26	0.17	0.03	0.95	3.33	
5020	0.85	0.54	1.76	0.56	0.08	0.01	0.87	4.67	1.06	0.55	2.29	0.73	0.15	0.02	1.16	5.96	
5025	0.95	0.60	0.79	0.33	0.08	0.01	0.97	3.73	1.19	0.61	1.03	0.43	0.15	0.02	1.30	4.73	

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
5030	1.12	0.71	1.00	0.42	0.09	0.01	1.15	4.50	1.40	0.73	1.32	0.55	0.18	0.03	1.53	5.74
5035	1.04	0.66	2.45	0.78	0.09	0.01	1.06	6.09	1.30	0.67	3.19	1.02	0.18	0.03	1.42	7.81
5040	1.20	0.76	2.60	0.83	0.09	0.01	1.23	6.72	1.50	0.78	3.39	1.09	0.18	0.03	1.64	8.61
5045	1.29	0.82	1.29	0.54	0.09	0.01	1.32	5.36	1.61	0.83	1.69	0.71	0.18	0.03	1.76	6.81
5050	1.63	1.05	1.93	0.81	0.27	0.04	1.67	7.40	2.03	1.07	2.54	1.07	0.51	0.08	2.23	9.53
5055	2.87	1.93	2.79	1.17	0.97	0.14	2.98	12.85	3.59	1.97	3.67	1.54	1.84	0.28	3.99	16.88
5065	3.32	2.11	1.96	0.83	0.31	0.05	3.39	11.97	4.15	2.15	2.58	1.09	0.60	0.09	4.54	15.20
5070	4.31	2.78	2.96	1.25	0.65	0.10	4.42	16.47	5.39	2.83	3.90	1.64	1.24	0.19	5.92	21.11
5075	5.60	3.58	3.68	1.55	0.68	0.10	5.73	20.92	7.00	3.65	4.84	2.03	1.30	0.19	7.67	26.68
5080	5.80	3.75	3.93	1.65	1.00	0.15	5.95	22.23	7.25	3.82	5.17	2.17	1.90	0.28	7.97	28.56
5085	7.21	4.63	4.72	1.98	1.00	0.15	7.38	27.07	9.01	4.72	6.20	2.61	1.90	0.28	9.88	34.60
5090	10.04	6.35	6.61	2.78	0.75	0.11	10.23	36.87	12.55	6.47	8.69	3.65	1.42	0.21	13.71	46.70
5100	3.70	2.41	2.32	0.98	0.73	0.11	3.80	14.05	4.62	2.46	3.05	1.28	1.40	0.21	5.09	18.11
5105	4.82	3.10	2.86	1.20	0.74	0.11	4.94	17.77	6.02	3.16	3.76	1.58	1.42	0.21	6.61	22.76
5110	5.46	3.54	3.57	1.50	1.00	0.15	5.61	20.83	6.83	3.61	4.70	1.97	1.90	0.28	7.51	26.80
5115	9.02	5.71	5.54	2.33	0.75	0.11	9.20	32.66	11.27	5.82	7.28	3.06	1.42	0.21	12.32	41.38
5120	11.91	7.80	7.14	3.00	2.65	0.40	12.26	45.16	14.88	7.95	9.40	3.95	5.06	0.76	16.41	58.41
5125	15.13	9.67	9.64	2.89	4.81	0.72	13.58	56.44	18.16	9.83	12.69	3.81	9.19	1.38	17.47	72.53
5130	21.11	13.96	13.39	4.02	7.52	1.13	19.05	80.18	25.33	14.19	17.62	5.29	14.35	2.15	24.50	103.43
5135	42.05	28.42	24.65	7.39	18.38	2.76	38.10	161.75	50.46	28.88	32.43	9.73	35.09	5.26	48.99	210.84
5145	4.17	2.70	2.93	1.23	0.73	0.11	4.28	16.15	5.22	2.76	3.85	1.62	1.40	0.21	5.74	20.80
5150	4.92	3.17	3.82	1.61	0.74	0.11	5.04	19.41	6.15	3.23	5.03	2.11	1.42	0.21	6.75	24.90
5155	5.70	3.69	4.32	1.82	1.00	0.15	5.85	22.53	7.12	3.76	5.69	2.39	1.90	0.28	7.83	28.97
5160	8.24	5.41	5.50	2.31	1.91	0.29	8.48	32.14	10.30	5.51	7.24	3.04	3.65	0.55	11.36	41.65
5165	11.05	7.33	7.50	3.15	3.05	0.46	11.42	43.96	13.82	7.47	9.87	4.15	5.82	0.87	15.29	57.29
5170	14.36	9.21	9.75	2.93	4.81	0.72	12.90	54.68	17.23	9.36	12.83	3.85	9.19	1.38	16.58	70.42
5175	20.25	13.15	12.86	3.86	5.82	0.87	18.22	75.03	24.30	13.37	16.92	5.08	11.11	1.67	23.43	95.88
5180	37.26	24.84	21.86	6.56	14.36	2.15	33.68	140.71	44.71	25.24	28.76	8.63	27.42	4.11	43.31	182.18
5190	3.83	2.48	2.86	1.20	0.68	0.10	3.93	15.08	4.79	2.53	3.76	1.58	1.30	0.19	5.26	19.41
5195	4.90	3.15	3.64	1.53	0.68	0.10	5.02	19.02	6.12	3.21	4.79	2.01	1.30	0.19	6.72	24.34
5200	5.33	3.46	4.29	1.80	1.00	0.15	5.47	21.50	6.66	3.53	5.64	2.37	1.90	0.28	7.33	27.71
5205	7.37	4.88	5.54	2.33	2.01	0.30	7.61	30.04	9.21	4.98	7.28	3.06	3.83	0.57	10.19	39.12
5210	11.81	7.80	7.68	3.23	3.05	0.46	12.18	46.21	14.76	7.95	10.10	4.24	5.82	0.87	16.31	60.05
5215	16.41	10.85	11.97	3.59	5.82	0.87	14.81	64.32	19.69	11.03	15.74	4.72	11.11	1.67	19.04	83.00
5225	1.72	1.14	1.71	0.72	0.42	0.06	1.77	7.54	2.15	1.16	2.26	0.95	0.79	0.12	2.38	9.81
5230	2.13	1.39	1.96	0.83	0.43	0.06	2.19	8.99	2.66	1.42	2.58	1.09	0.81	0.12	2.94	11.62
5235	4.43	2.86	3.14	1.32	0.73	0.11	4.54	17.13	5.54	2.92	4.14	1.74	1.40	0.21	6.08	22.03
5240	5.30	3.44	3.82	1.61	1.00	0.15	5.44	20.76	6.63	3.51	5.03	2.11	1.90	0.28	7.29	26.75
5245	7.73	4.91	4.86	2.04	0.75	0.11	7.89	28.29	9.66	5.01	6.39	2.68	1.42	0.21	10.57	35.94
5255	3.38	2.33	2.86	1.20	1.50	0.22	3.53	15.02	4.22	2.37	3.76	1.58	2.86	0.43	4.72	19.94
5260	4.39	2.88	3.57	1.50	1.00	0.15	4.52	18.01	5.48	2.93	4.70	1.97	1.90	0.28	6.05	23.31
5265	5.20	3.39	4.29	1.80	1.05	0.16	5.35	21.24	6.50	3.46	5.64	2.37	2.01	0.30	7.16	27.44
5270	7.84	4.98	5.54	2.33	0.75	0.11	8.00	29.55	9.80	5.08	7.28	3.06	1.42	0.21	10.71	37.56
5275	10.53	6.98	6.75	2.84	2.90	0.44	10.87	41.31	13.16	7.12	8.88	3.73	5.55	0.83	14.56	53.83
5280	14.62	9.82	7.47	3.14	4.81	0.72	15.15	55.73	18.28	10.01	9.82	4.13	9.19	1.38	20.30	73.11
5285	20.39	13.24	14.82	4.45	5.82	0.87	18.35	77.94	24.47	13.45	19.50	5.85	11.11	1.67	23.59	99.64
5290	39.26	25.53	21.07	6.32	11.41	1.71	35.34	140.64	47.12	25.94	27.73	8.32	21.78	3.27	45.44	179.60
5300	1.65	1.07	1.54	0.65	0.25	0.04	1.70	6.90	2.07	1.09	2.02	0.85	0.47	0.07	2.27	8.84
5305	4.45	2.87	3.04	1.28	0.73	0.11	4.56	17.04	5.56	2.93	3.99	1.68	1.40	0.21	6.11	21.88
5310	5.46	3.48	3.75	1.58	0.59	0.09	5.58	20.53	6.83	3.55	4.93	2.07	1.13	0.17	7.48	26.16
5315	7.70	5.01	5.18	2.18	1.50	0.22	7.91	29.70	9.62	5.11	6.81	2.86	2.86	0.43	10.59	38.28
5320	13.28	8.56	9.29	2.79	4.81	0.72	11.94	51.39	15.93	8.70	12.22	3.67	9.19	1.38	15.35	66.44
5330	4.43	2.90	3.71	1.56	1.00	0.15	4.56	18.31	5.54	2.96	4.89	2.05	1.90	0.28	6.11	23.73
5335	6.48	4.14	5.64	2.37	0.75	0.11	6.63	26.12	8.10	4.22	7.43	3.12	1.42	0.21	8.88	33.38
5340	8.13	5.43	6.68	2.81	2.53	0.38	8.41	34.37	10.16	5.54	8.79	3.69	4.82	0.72	11.27	44.99

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE		
5345	11.63	7.60	10.89	3.27	5.02	0.75	10.48	49.64	13.96	7.72	14.33	4.30	9.58	1.44	13.48	64.81
5355	4.57	2.99	3.68	1.55	1.00	0.15	4.70	18.64	5.71	3.05	4.84	2.03	1.90	0.28	6.30	24.11
5360	5.28	3.43	4.04	1.70	1.00	0.15	5.42	21.02	6.60	3.50	5.31	2.23	1.90	0.28	7.26	27.08
5365	7.63	4.85	5.14	2.16	0.75	0.11	7.79	28.43	9.54	4.94	6.77	2.84	1.42	0.21	10.43	36.15
5370	9.99	6.60	7.50	3.15	2.59	0.39	10.31	40.53	12.49	6.73	9.87	4.15	4.95	0.74	13.81	52.74
5375	14.34	9.20	10.97	3.29	4.81	0.72	12.87	56.20	17.20	9.34	14.43	4.33	9.19	1.38	16.55	72.42
5380	20.70	13.42	13.86	4.16	5.82	0.87	18.62	77.45	24.84	13.64	18.24	5.47	11.11	1.67	23.94	98.91
5390	4.80	3.09	3.04	1.28	0.74	0.11	4.92	17.98	6.00	3.15	3.99	1.68	1.42	0.21	6.59	23.04
5395	5.46	3.54	8.96	2.87	1.00	0.15	5.61	27.59	6.83	3.61	11.67	3.74	1.90	0.28	7.51	35.54
5400	7.98	5.07	5.32	2.24	0.75	0.11	8.14	29.61	9.97	5.16	7.00	2.94	1.42	0.21	10.90	37.60
5405	9.49	6.28	6.50	2.73	2.53	0.38	9.79	37.70	11.86	6.40	8.55	3.59	4.82	0.72	13.11	49.05
5410	10.33	6.88	7.25	3.05	3.05	0.46	10.68	41.70	12.91	7.01	9.54	4.01	5.82	0.87	14.30	54.46
5415	14.28	9.30	10.18	3.05	5.90	0.88	12.86	56.45	17.14	9.45	13.39	4.02	11.26	1.69	16.53	73.48
5420	18.72	12.24	14.29	4.29	5.82	0.87	16.86	73.09	22.46	12.44	18.80	5.64	11.11	1.67	21.68	93.80
5430	2.89	1.84	1.68	0.54	0.21	0.03	3.37	10.56	3.62	1.87	2.21	0.71	0.30	0.04	4.48	13.23
5435	3.39	2.14	1.96	0.63	0.21	0.03	3.95	12.31	4.23	2.19	2.58	0.83	0.30	0.04	5.24	15.41
5440	5.21	3.31	2.86	0.91	0.38	0.06	6.08	18.81	6.51	3.37	3.76	1.20	0.53	0.08	8.07	23.52
5445	6.18	3.91	3.96	1.27	0.37	0.05	7.20	22.94	7.73	3.98	5.22	1.67	0.51	0.08	9.57	28.76
5455	3.33	2.18	2.21	0.71	0.59	0.09	3.91	13.02	4.16	2.22	2.91	0.93	0.83	0.13	5.20	16.38
5460	4.89	3.15	2.86	0.91	0.55	0.08	5.73	18.17	6.12	3.21	3.76	1.20	0.77	0.12	7.61	22.79
5465	5.46	3.48	3.57	1.14	0.42	0.06	6.38	20.51	6.83	3.54	4.70	1.50	0.59	0.09	8.47	25.72
5475	4.35	2.41	1.50	0.57	0.00	0.00	7.11	15.94	5.44	2.46	1.98	0.75	0.00	0.00	9.24	19.87
5480	5.18	2.87	2.04	0.78	0.00	0.00	8.46	19.33	6.48	2.93	2.69	1.02	0.00	0.00	11.00	24.12
5490	4.57	2.53	2.51	0.95	0.00	0.00	7.47	18.03	5.72	2.59	3.30	1.25	0.00	0.00	9.71	22.57
5500	0.57	0.25	0.00	0.49	0.00	0.00	0.79	2.10								
5505	1.19	0.51	0.00	1.02	0.00	0.00	1.64	4.36								
5510	2.30	0.99	0.00	1.93	0.00	0.00	3.18	8.40								
5515	0.60	0.26	0.00	0.25	0.00	0.00	0.83	1.94								
5520	0.94	0.40	0.00	0.35	0.00	0.00	1.29	2.98								
5530	1.63	0.70	0.00	0.25	0.00	0.00	2.26	4.84								
5535	2.46	1.06	0.00	0.33	0.00	0.00	3.40	7.25								
5545	2.10	0.90	0.00	0.27	0.00	0.00	2.90	6.17								
5550	2.74	1.18	0.00	0.48	0.00	0.00	3.79	8.19								
5555	3.22	1.39	0.00	0.77	0.00	0.00	4.45	9.83								
5565	4.12	1.77	0.00	0.06	0.00	0.00	5.69	11.64								
5570	4.60	1.98	0.00	0.06	0.00	0.00	6.36	13.00								
5575	7.56	3.25	0.00	0.06	0.00	0.00	10.45	21.32								
5580	8.03	3.46	0.00	0.06	0.00	0.00	11.10	22.65								
5590	4.20	1.81	0.00	0.42	0.00	0.00	5.81	12.24								
5595	4.81	2.07	0.00	0.48	0.00	0.00	6.65	14.01								
5600	5.53	2.38	0.00	0.58	0.00	0.00	7.65	16.14								
5605	6.06	2.61	0.00	0.72	0.00	0.00	8.38	17.77								
5610	6.77	2.92	0.00	0.62	0.00	0.00	9.37	19.68								
5615	8.10	3.49	0.00	0.92	0.00	0.00	11.20	23.71								
5620	9.63	4.15	0.00	0.92	0.00	0.00	13.31	28.01								
5625	12.89	5.55	0.00	1.12	0.00	0.00	17.82	37.38								
5630	19.03	8.19	0.00	1.23	0.00	0.00	26.31	54.76								
5640	3.30	1.42	0.00	0.48	0.00	0.00	4.56	9.76								
5645	3.73	1.61	0.00	0.63	0.00	0.00	5.16	11.13								
5650	4.98	2.14	0.00	0.63	0.00	0.00	6.89	14.64								
5655	1.25	0.54	0.00	0.25	0.00	0.00	1.73	3.77								
5660	1.58	0.68	0.00	0.33	0.00	0.00	2.19	4.78								
5665	1.98	0.85	0.00	0.42	0.00	0.00	2.74	5.99								
5675	5.34	2.30	0.00	0.65	0.00	0.00	7.38	15.67								
5680	6.12	2.63	0.00	0.77	0.00	0.00	8.46	17.98								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5685	6.57	2.83	0.00	0.92	0.00	0.00	9.08	19.40								
5690	8.04	3.46	0.00	1.07	0.00	0.00	11.12	23.69								
5695	9.94	4.28	0.00	1.12	0.00	0.00	13.75	29.09								
5700	14.44	6.22	0.00	1.33	0.00	0.00	19.96	41.95								
5710	7.21	3.11	2.11	0.67	0.00	0.00	9.98	23.08								
5715	13.55	5.84	5.57	1.78	0.00	0.00	18.74	45.48								
5720	19.90	8.57	10.54	3.37	0.00	0.00	27.51	69.89								
5725	21.45	9.24	19.65	6.29	0.00	0.00	29.67	86.30								
5730	27.25	11.73	23.22	7.43	0.00	0.00	37.68	107.31								
5740	6.22	5.57	2.07	0.83	0.00	0.00	7.55	22.24	7.46	5.63	2.66	1.07	0.00	0.00	10.26	27.08
5745	10.04	8.99	3.95	1.58	0.00	0.00	12.18	36.74	12.05	9.09	5.08	2.03	0.00	0.00	16.56	44.81
5750	11.46	10.26	3.95	1.58	0.00	0.00	13.91	41.16	13.76	10.38	5.08	2.03	0.00	0.00	18.91	50.16
5755	14.39	12.89	5.92	2.37	0.00	0.00	17.46	53.03	17.27	13.03	7.61	3.05	0.00	0.00	23.74	64.70
5760	20.10	18.00	8.09	3.24	0.00	0.00	24.38	73.81	24.12	18.19	10.41	4.16	0.00	0.00	33.16	90.04
5770	1.23	0.56	0.00	0.15	0.00	0.00	1.48	3.42								
5775	0.46	0.21	0.00	0.10	0.00	0.00	0.55	1.32								
5780	1.82	0.83	0.00	0.31	0.00	0.00	2.19	5.15								
5785	0.79	0.36	0.00	0.05	0.00	0.00	0.94	2.14								
5795	0.50	0.31	1.06	0.34	0.00	0.00	0.57	2.78								
5800	0.63	0.39	1.58	0.51	0.00	0.00	0.72	3.83								
5810	0.03	0.02	0.21	0.07	0.00	0.00	0.04	0.37								
5815	0.04	0.03	0.32	0.10	0.00	0.00	0.05	0.54								
5820	0.08	0.05	0.84	0.27	0.00	0.00	0.09	1.33								
5830	0.66	0.41	4.54	1.45	0.00	0.00	0.75	7.81								
5835	0.38	0.23	1.49	0.57	0.00	0.00	0.43	3.10								
5840	0.87	0.54	8.34	2.67	0.00	0.00	1.00	13.42								
5845	1.26	0.78	2.99	1.14	0.00	0.00	1.44	7.61								
5850	1.62	1.00	3.49	1.33	0.00	0.00	1.85	9.29								
5855	1.72	1.06	3.39	1.29	0.00	0.00	1.96	9.42								
5865	0.07	0.04	0.53	0.17	0.00	0.00	0.08	0.89								
5870	0.10	0.06	0.84	0.27	0.00	0.00	0.11	1.38								
5875	0.20	0.12	1.69	0.54	0.00	0.00	0.23	2.78								
5885	0.09	0.06	0.32	0.10	0.00	0.00	0.10	0.67								
5890	0.10	0.06	0.32	0.10	0.00	0.00	0.11	0.69								
5900	0.12	0.07	0.17	0.08	0.00	0.00	0.07	0.51								
5905	0.17	0.11	0.43	0.19	0.00	0.00	0.10	1.00								
5910	0.62	0.38	2.14	0.96	0.00	0.00	0.35	4.45								
5915	0.80	0.50	5.13	2.31	0.00	0.00	0.46	9.20								
5925	0.10	0.06	0.17	0.08	0.00	0.00	0.06	0.47								
5930	0.12	0.08	0.34	0.15	0.00	0.00	0.07	0.76								
5940	2.48	1.13	0.00	0.10	0.00	0.00	2.60	6.31	3.31	1.17	0.00	0.10	0.00	0.00	3.90	8.48
5945	0.20	0.09	0.00	0.00	0.00	0.00	0.20	0.49	0.26	0.09	0.00	0.00	0.00	0.00	0.31	0.66
5950	1.86	0.84	0.00	0.08	0.00	0.00	1.94	4.72	2.48	0.87	0.00	0.08	0.00	0.00	2.91	6.34
5955	0.09	0.04	0.00	0.00	0.00	0.00	0.09	0.22	0.11	0.04	0.00	0.00	0.00	0.00	0.13	0.28
5960	2.13	0.97	0.00	0.10	0.00	0.00	2.23	5.43	2.85	1.00	0.00	0.10	0.00	0.00	3.35	7.30
5965	0.19	0.09	0.00	0.00	0.00	0.00	0.20	0.48	0.26	0.09	0.00	0.00	0.00	0.00	0.30	0.65
5970	1.54	0.70	0.00	0.08	0.00	0.00	1.61	3.93	2.06	0.72	0.00	0.08	0.00	0.00	2.42	5.28
5975	0.12	0.06	0.00	0.00	0.00	0.00	0.13	0.31	0.16	0.06	0.00	0.00	0.00	0.00	0.19	0.41
5980	0.90	0.41	0.00	0.08	0.00	0.00	0.94	2.33	1.20	0.42	0.00	0.08	0.00	0.00	1.42	3.12
5985	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.07	0.02	0.00	0.00	0.00	0.00	0.08	0.17
5990	2.38	1.08	0.00	0.08	0.00	0.00	2.49	6.03	3.18	1.12	0.00	0.08	0.00	0.00	3.73	8.11
5995	0.19	0.09	0.00	0.00	0.00	0.00	0.20	0.48	0.26	0.09	0.00	0.00	0.00	0.00	0.30	0.65
6000	2.12	0.96	0.00	0.08	0.00	0.00	2.21	5.37	2.82	0.99	0.00	0.08	0.00	0.00	3.32	7.21
6005	0.26	0.12	0.00	0.00	0.00	0.00	0.27	0.65	0.35	0.12	0.00	0.00	0.00	0.00	0.41	0.88
6010	0.75	0.41	0.00	0.08	0.00	0.00	0.78	2.02	0.93	0.42	0.00	0.08	0.00	0.00	1.10	2.53

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS						TOTAL RATE	SEVERE CONDITIONS						TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR		
6020	4.88	2.21	0.00	0.22	0.00	0.00	5.11	12.42	6.51	2.29	0.00	0.22	0.00	7.66	16.68
6025	0.36	0.16	0.00	0.00	0.00	0.00	0.37	0.89	0.47	0.17	0.00	0.00	0.00	0.56	1.20
6030	5.20	2.36	0.00	0.21	0.00	0.00	5.43	13.20	6.93	2.44	0.00	0.21	0.00	8.15	17.73
6035	4.14	1.88	0.00	0.16	0.00	0.00	4.33	10.51	5.52	1.94	0.00	0.16	0.00	6.49	14.11
6040	0.32	0.15	0.00	0.00	0.00	0.00	0.33	0.80	0.43	0.15	0.00	0.00	0.00	0.50	1.08
6045	3.85	1.75	0.00	0.16	0.00	0.00	4.03	9.79	5.14	1.81	0.00	0.16	0.00	6.04	13.15
6050	2.79	1.27	0.00	0.10	0.00	0.00	2.92	7.08	3.72	1.31	0.00	0.10	0.00	4.38	9.51
6055	0.18	0.08	0.00	0.00	0.00	0.00	0.19	0.45	0.24	0.08	0.00	0.00	0.00	0.28	0.60
6060	2.71	1.23	0.00	0.10	0.00	0.00	2.84	6.88	3.62	1.27	0.00	0.10	0.00	4.26	9.25
6065	1.56	0.71	0.00	0.08	0.00	0.00	1.63	3.98	2.08	0.73	0.00	0.08	0.00	2.45	5.34
6070	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	0.15	0.31
6075	0.98	0.44	0.00	0.08	0.00	0.00	1.02	2.52	1.30	0.46	0.00	0.08	0.00	1.53	3.37
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	0.07	0.15
6085	0.60	0.27	0.00	0.08	0.00	0.00	0.63	1.58	0.80	0.28	0.00	0.08	0.00	0.95	2.11
6090	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.03	0.01	0.00	0.00	0.00	0.04	0.08
6095	0.27	0.12	0.00	0.08	0.00	0.00	0.28	0.75	0.36	0.13	0.00	0.08	0.00	0.42	0.99
6100	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.01	0.00	0.00	0.00	0.02	0.05
6110	5.42	2.46	0.00	0.28	0.00	0.00	5.67	13.83	7.23	2.55	0.00	0.28	0.00	8.50	18.56
6115	4.23	1.92	0.00	0.20	0.00	0.00	4.42	10.77	5.64	1.99	0.00	0.20	0.00	6.64	14.47
6120	3.17	1.44	0.00	0.10	0.00	0.00	3.31	8.02	4.23	1.49	0.00	0.10	0.00	4.97	10.79
6125	1.88	0.85	0.00	0.09	0.00	0.00	1.96	4.78	2.51	0.88	0.00	0.09	0.00	2.95	6.43
6135	2.89	1.69	3.04	0.73	0.26	0.04	3.23	11.88							
6140	3.20	1.87	3.04	0.73	0.26	0.04	3.57	12.71							
6145	3.71	2.17	3.04	0.73	0.32	0.05	4.14	14.16							
6150	5.88	3.47	4.46	1.07	0.67	0.10	6.58	22.23							
6160	2.51	1.48	2.71	0.65	0.26	0.04	2.81	10.46							
6165	2.71	1.59	2.71	0.65	0.26	0.04	3.03	10.99							
6170	2.77	1.63	2.79	0.67	0.26	0.04	3.10	11.26							
6175	2.65	1.57	8.19	1.97	0.32	0.05	2.97	17.72							
6180	2.96	1.74	2.71	0.65	0.32	0.05	3.32	11.75							
6185	2.75	1.64	8.19	1.97	0.37	0.06	3.09	18.07							
6190	3.07	1.82	2.71	0.65	0.37	0.06	3.44	12.12							
6195	6.72	3.98	4.18	1.00	0.79	0.12	7.53	24.32							
6205	2.75	1.61	2.43	0.58	0.26	0.04	3.07	10.74							
6210	3.44	2.00	2.43	0.58	0.23	0.03	3.84	12.55							
6215	7.01	4.12	4.64	1.11	0.70	0.10	7.85	25.53							
6220	8.00	4.96	4.64	1.11	1.98	0.30	9.06	30.05							
6230	3.53	2.73	0.00	0.19	1.88	0.28	4.23	12.84							
6235	4.98	3.22	0.00	0.21	1.47	0.22	5.69	15.79							
6245	4.62	3.31	0.00	0.35	1.79	0.27	5.42	15.76							
6250	4.93	3.72	0.00	0.40	2.37	0.36	5.86	17.64							
6255	7.35	5.08	0.00	0.60	2.37	0.36	8.54	24.30							
6265	0.57	0.41	0.00	0.05	0.30	0.05	0.67	2.05							
6275	1.02	0.58	0.00	0.13	0.00	0.00	1.14	2.87							
6280	1.30	0.74	0.00	0.13	0.00	0.00	1.45	3.62							
6285	1.34	0.76	0.00	0.13	0.00	0.00	1.49	3.72							
6290	2.01	1.14	0.00	0.13	0.00	0.00	2.23	5.51							
6295	3.08	1.74	0.00	0.13	0.00	0.00	3.41	8.36							
6300	4.66	2.63	0.00	0.13	0.00	0.00	5.17	12.59							
6305	3.04	1.72	0.00	0.14	0.00	0.00	3.37	8.27							
6310	3.53	2.00	0.00	0.13	0.00	0.00	3.92	9.58							
6315	5.48	3.10	0.00	0.13	0.00	0.00	6.08	14.79							
6325	0.45	0.26	0.00	0.14	0.00	0.00	0.50	1.35							
6330	0.92	0.52	0.00	0.14	0.00	0.00	1.02	2.60							
6340	11.89	6.72	7.50	1.80	0.00	0.00	13.19	41.10							

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6345	17.96	10.14	11.07	2.66	0.00	0.00	19.92	61.75								
6350	18.99	10.73	11.07	2.66	0.00	0.00	21.06	64.51								
6360	19.49	11.01	11.79	2.83	0.00	0.00	21.63	66.75								
6370	2.01	1.14	1.86	0.45	0.00	0.00	2.23	7.69								
6375	2.40	1.36	1.86	0.45	0.00	0.00	2.66	8.73								
6380	3.67	2.07	3.04	0.73	0.00	0.00	4.07	13.58								
6385	3.83	2.16	3.04	0.73	0.00	0.00	4.25	14.01								
6390	4.00	2.26	3.04	0.73	0.00	0.00	4.44	14.47								
6395	4.17	2.36	3.04	0.73	0.00	0.00	4.63	14.93								
6405	4.01	2.26	8.19	1.97	0.00	0.00	4.45	20.88								
6410	4.30	2.43	3.04	0.73	0.00	0.00	4.77	15.27								
6415	4.25	2.40	8.19	1.97	0.00	0.00	4.72	21.53								
6420	4.55	2.57	3.04	0.73	0.00	0.00	5.04	15.93								
6425	1.97	1.11	4.13	0.99	0.00	0.00	2.18	10.38								
6430	2.67	1.51	8.19	1.97	0.00	0.00	2.96	17.30								
6435	2.96	1.67	3.04	0.73	0.00	0.00	3.29	11.69								
6440	3.24	1.83	8.19	1.97	0.00	0.00	3.59	18.82								
6445	3.53	2.00	3.04	0.73	0.00	0.00	3.92	13.22								
6450	3.50	1.97	8.19	1.97	0.00	0.00	3.88	19.51								
6455	3.79	2.14	3.04	0.73	0.00	0.00	4.20	13.90								
6465	1.24	0.57	1.90	0.61	0.00	0.00	1.71	6.03								
6470	1.51	0.70	1.90	0.61	0.00	0.00	2.10	6.82								
6475	3.61	1.67	2.14	0.69	0.00	0.00	5.01	13.12								
6480	3.51	1.62	2.14	0.69	0.00	0.00	4.86	12.82								
6485	4.90	2.26	4.73	1.51	0.00	0.00	6.79	20.19								
6490	5.17	2.38	4.73	1.51	0.00	0.00	7.16	20.95								
6500	3.44	1.59	2.44	0.78	0.00	0.00	4.78	13.03								
6505	3.74	1.73	2.44	0.78	0.00	0.00	5.19	13.88								
6510	6.03	2.78	3.84	1.23	0.00	0.00	8.36	22.24								
6515	6.56	3.03	3.84	1.23	0.00	0.00	9.10	23.76								
6525	2.98	1.38	1.94	0.62	0.00	0.00	4.14	11.06								
6530	3.53	1.63	1.94	0.62	0.00	0.00	4.89	12.61								
6540	1.78	0.82	1.49	0.48	0.00	0.00	2.47	7.04								
6545	1.62	0.75	1.49	0.48	0.00	0.00	2.24	6.58								
6555	7.48	3.45	3.74	1.20	0.00	0.00	10.37	26.24								
6560	5.71	2.64	2.49	0.80	0.00	0.00	7.92	19.56								
6575	5.68	2.65	3.64	1.16	0.15	0.02	7.89	21.19								
6580	6.34	3.05	4.23	1.36	0.62	0.09	8.87	24.56								
6585	7.33	3.41	4.23	1.36	0.14	0.02	10.19	26.68								
6590	8.37	3.97	6.23	1.99	0.55	0.08	11.67	32.86								
6595	7.68	3.64	6.23	1.99	0.48	0.07	10.72	30.81								
6600	8.13	3.85	6.23	1.99	0.48	0.07	11.34	32.09								
6605	9.29	4.39	6.23	1.99	0.48	0.07	12.95	35.40								
6610	8.54	4.04	6.23	1.99	0.48	0.07	11.90	33.25								
6615	9.26	4.37	6.23	1.99	0.48	0.07	12.91	35.31								
6625	8.09	3.73	6.23	1.99	0.00	0.00	11.22	31.26								
6630	6.46	3.08	4.23	1.36	0.48	0.07	9.02	24.70								
6635	6.87	3.27	5.98	1.91	0.48	0.07	9.59	28.17								
6640	7.84	3.72	5.98	1.91	0.48	0.07	10.93	30.93								
6650	8.37	3.96	5.73	1.83	0.48	0.07	11.66	32.10								
6655	12.40	5.88	10.11	3.24	0.75	0.11	17.29	49.78								
6665	5.45	2.53	3.49	1.12	0.08	0.01	7.57	20.25								
6670	5.41	2.53	3.49	1.12	0.16	0.02	7.52	20.25								
6675	7.25	3.37	3.99	1.28	0.13	0.02	10.07	26.11								
6680	6.07	2.83	3.99	1.28	0.16	0.02	8.43	22.78								

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
6685	5.74	2.78	3.49	1.12	0.62	0.09	8.04	21.88								
6690	8.07	3.81	4.38	1.40	0.40	0.06	11.25	29.37								
6695	8.91	4.20	5.93	1.90	0.42	0.06	12.41	33.83								
6700	7.44	3.53	6.23	1.99	0.48	0.07	10.37	30.11								
6705	10.48	4.95	5.93	1.90	0.55	0.08	14.60	38.49								
6710	9.08	4.30	5.93	1.90	0.55	0.08	12.66	34.50								
6715	8.06	3.86	6.23	1.99	0.70	0.11	11.26	32.21								
6725	5.61	2.72	3.39	1.08	0.62	0.09	7.86	21.37								
6730	5.08	2.38	3.39	1.08	0.15	0.02	7.07	19.17								
6735	6.19	2.89	3.99	1.28	0.15	0.02	8.61	23.13								
6740	6.59	3.17	3.74	1.20	0.62	0.09	9.23	24.64								
6745	6.82	3.18	3.99	1.28	0.15	0.02	9.48	24.92								
6750	8.77	4.15	5.48	1.75	0.48	0.07	12.22	32.92								
6755	7.26	3.45	5.33	1.71	0.48	0.07	10.12	28.42								
6760	7.86	3.73	5.33	1.71	0.48	0.07	10.97	30.15								
6765	10.07	4.75	5.48	1.75	0.48	0.07	14.03	36.63								
6775	1.06	0.49	0.80	0.26	0.00	0.00	1.47	4.08								
6780	2.80	1.29	1.69	0.54	0.00	0.00	3.88	10.20								
6785	6.60	3.05	3.54	1.13	0.00	0.00	9.15	23.47								
6790	8.86	4.09	6.23	1.99	0.00	0.00	12.29	33.46								
6795	10.73	4.96	7.72	2.47	0.00	0.00	14.89	40.77								
6800	12.97	5.99	9.02	2.89	0.00	0.00	17.98	48.85								
6805	14.75	6.81	9.02	2.89	0.00	0.00	20.45	53.92								
6815	1.07	0.49	0.80	0.26	0.00	0.00	1.48	4.10								
6820	2.38	1.10	1.74	0.56	0.00	0.00	3.30	9.08								
6825	6.37	2.94	3.49	1.12	0.00	0.00	8.84	22.76								
6830	8.45	3.90	5.73	1.83	0.00	0.00	11.71	31.62								
6835	10.77	4.97	5.93	1.90	0.00	0.00	14.94	38.51								
6845	1.05	0.48	1.48	0.47	0.00	0.00	1.45	4.93								
6850	5.41	2.50	2.59	0.83	0.00	0.00	7.50	18.83								
6855	8.46	3.90	3.99	1.28	0.00	0.00	11.73	29.36								
6860	10.53	4.86	7.77	2.49	0.00	0.00	14.60	40.25								
6865	18.75	8.66	13.05	4.18	0.00	0.00	26.01	70.65								
6875	9.33	5.62	5.50	2.20	2.72	0.41	9.57	35.35	11.67	5.74	7.19	2.88	4.52	0.68	12.75	45.43
6880	15.73	8.72	9.16	2.93	5.66	0.85	13.10	56.15	19.67	8.93	11.98	3.84	9.40	1.41	17.63	72.86
6885	19.43	10.79	10.86	3.47	7.14	1.07	14.93	67.69	24.28	11.05	14.27	4.57	11.86	1.78	20.22	88.03
6890	21.79	11.99	12.10	3.87	7.14	1.07	18.11	76.07	27.23	12.27	15.82	5.06	11.86	1.78	24.38	98.40
6895	23.15	12.59	15.65	4.07	8.61	1.29	19.21	84.57	28.94	12.89	20.30	5.28	14.95	2.24	25.86	110.46
6900	24.68	13.37	15.65	4.07	8.61	1.29	20.46	88.13	30.85	13.69	20.30	5.28	14.95	2.24	27.55	114.86
6905	30.09	16.53	14.80	4.74	9.65	1.45	23.08	100.34	37.62	16.92	19.46	6.23	16.04	2.41	31.26	129.94
6910	34.62	18.83	16.50	5.28	9.65	1.45	28.72	115.05	43.28	19.28	21.57	6.90	16.04	2.41	38.67	148.15
6915	37.51	20.29	24.35	6.33	12.81	1.92	31.09	134.30	46.88	20.77	31.58	8.21	22.24	3.34	41.85	174.87
6920	39.24	21.17	24.35	6.33	12.81	1.92	32.51	138.33	49.04	21.67	31.58	8.21	22.24	3.34	43.76	179.84
6925	42.76	23.31	24.35	6.33	16.36	2.45	35.49	151.05	53.46	23.87	31.58	8.21	28.42	4.26	47.78	197.58
6930	38.48	21.24	18.09	5.79	13.10	1.96	29.54	128.20	48.10	21.74	23.78	7.61	21.75	3.26	40.00	166.24
6935	48.19	26.16	33.04	8.59	17.37	2.61	39.97	175.93	60.24	26.79	42.86	11.14	30.17	4.53	53.81	229.54
6950	13.83	7.57	8.40	2.69	4.18	0.63	11.49	48.79	17.29	7.75	10.98	3.51	6.95	1.04	15.47	62.99
6955	18.52	10.18	10.69	3.42	6.02	0.90	14.21	63.94	23.15	10.43	14.05	4.50	10.01	1.50	19.24	82.88
6960	20.26	11.45	11.91	3.81	8.95	1.34	16.92	74.64	25.32	11.72	15.58	4.99	14.86	2.23	22.77	97.47
6965	22.14	12.08	17.25	4.49	8.61	1.29	18.38	84.24	27.67	12.37	22.38	5.82	14.95	2.24	24.74	110.17
6970	26.87	14.43	17.25	4.49	8.06	1.21	22.25	94.56	33.59	14.77	22.38	5.82	14.00	2.10	29.95	122.61
6980	9.30	5.54	4.58	1.83	2.37	0.35	9.51	33.48	11.62	5.66	5.99	2.40	3.93	0.59	12.68	42.87
6985	19.42	10.70	10.73	3.43	6.49	0.97	14.90	66.64	24.27	10.96	14.10	4.51	10.78	1.62	20.18	86.42
6990	23.09	12.56	17.77	4.62	8.61	1.29	19.16	87.10	28.86	12.86	23.06	5.99	14.95	2.24	25.79	113.75
6995	21.90	11.96	11.95	3.82	6.49	0.97	18.18	75.27	27.37	12.24	15.63	5.00	10.78	1.62	24.47	97.11

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	REPR	
7005	9.88	5.87	6.42	2.57	2.37	0.35	10.09	37.55	12.35	6.00	8.39	3.36	3.93	0.59	13.46	48.08
7010	14.16	7.73	9.16	2.93	4.18	0.63	11.76	50.55	17.70	7.92	11.98	3.84	6.95	1.04	15.83	65.26
7020	20.47	11.23	11.36	3.64	6.49	0.97	17.01	71.17	25.59	11.50	14.86	4.76	10.78	1.62	22.90	92.01
7025	32.33	17.86	15.63	5.00	11.12	1.67	24.83	108.44	40.42	18.29	20.54	6.57	18.48	2.77	33.62	140.69
7030	21.18	11.49	10.02	2.60	7.51	1.13	17.57	71.50	26.48	11.76	12.99	3.38	13.04	1.96	23.65	93.26
7035	35.90	19.44	21.53	5.60	12.44	1.87	29.76	126.54	44.87	19.90	27.93	7.26	21.61	3.24	40.07	164.88
7040	42.24	22.88	24.94	6.48	14.76	2.21	35.02	148.53	52.79	23.43	32.35	8.41	25.63	3.84	47.14	193.59
7055	4.80	3.18	0.00	0.13	1.49	0.22	4.31	14.13	5.76	3.23	0.00	0.13	1.94	0.29	5.55	16.90
7060	6.13	4.22	0.00	0.13	2.67	0.40	5.54	19.09	7.35	4.29	0.00	0.13	3.49	0.52	7.13	22.91
7070	2.37	1.62	0.00	0.08	0.97	0.15	2.14	7.33	2.84	1.65	0.00	0.08	1.27	0.19	2.75	8.78
7080	7.34	4.20	5.57	1.56	0.77	0.12	7.44	27.00	9.18	4.29	7.29	2.04	1.32	0.20	10.54	34.86
7085	11.52	6.63	11.14	3.12	1.58	0.24	11.69	45.92	14.39	6.78	14.57	4.08	2.69	0.40	16.56	59.47
7095	10.60	6.00	11.66	3.26	0.43	0.07	10.72	42.74	13.25	6.13	15.24	4.27	0.71	0.11	15.19	54.90
7105	2.94	1.80	2.51	0.90	0.00	0.00	4.51	12.66	3.67	1.83	3.30	1.19	0.00	0.00	6.15	16.14
7110	0.63	0.35	0.00	0.08	0.00	0.00	0.66	1.72	0.79	0.36	0.00	0.08	0.00	0.00	0.93	2.16
7115	4.09	2.50	3.08	1.11	0.00	0.00	6.28	17.06	5.12	2.55	4.06	1.46	0.00	0.00	8.57	21.76
7120	0.84	0.47	0.00	0.08	0.00	0.00	0.88	2.27	1.05	0.48	0.00	0.08	0.00	0.00	1.23	2.84
7125	0.64	0.35	0.00	0.08	0.00	0.00	0.67	1.74	0.80	0.36	0.00	0.08	0.00	0.00	0.94	2.18
7130	6.04	3.70	4.05	1.46	0.00	0.00	9.28	24.53	7.55	3.77	5.33	1.92	0.00	0.00	12.65	31.22
7135	1.05	0.58	0.00	0.08	0.00	0.00	1.09	2.80	1.31	0.59	0.00	0.08	0.00	0.00	1.54	3.52
7140	0.82	0.46	0.00	0.08	0.00	0.00	0.86	2.22	1.03	0.47	0.00	0.08	0.00	0.00	1.21	2.79
7145	8.20	5.02	5.40	1.94	0.00	0.00	12.59	33.15	10.25	5.11	7.11	2.56	0.00	0.00	17.17	42.20
7150	1.07	0.59	0.00	0.08	0.00	0.00	1.11	2.85	1.33	0.60	0.00	0.08	0.00	0.00	1.57	3.58
7155	1.20	0.67	0.00	0.08	0.00	0.00	1.25	3.20	1.50	0.68	0.00	0.08	0.00	0.00	1.76	4.02
7160	11.99	7.33	7.71	2.77	0.00	0.00	18.41	48.21	14.98	7.48	10.15	3.65	0.00	0.00	25.10	61.36
7165	1.65	0.92	0.00	0.08	0.00	0.00	1.73	4.38	2.06	0.94	0.00	0.08	0.00	0.00	2.43	5.51
7170	1.81	1.00	0.00	0.08	0.00	0.00	1.89	4.78	2.26	1.03	0.00	0.08	0.00	0.00	2.66	6.03
7175	1.44	0.80	0.00	0.08	0.00	0.00	1.51	3.83	1.80	0.82	0.00	0.08	0.00	0.00	2.12	4.82
7180	21.37	10.76	12.91	3.62	0.00	0.00	23.61	72.27	26.71	11.02	17.00	4.76	0.00	0.00	32.80	92.29
7185	2.41	1.34	0.00	0.12	0.00	0.00	2.52	6.39	3.01	1.37	0.00	0.12	0.00	0.00	3.54	8.04
7190	2.66	1.47	0.00	0.13	0.00	0.00	2.78	7.04	3.32	1.51	0.00	0.13	0.00	0.00	3.91	8.87
7195	2.42	1.34	0.00	0.13	0.00	0.00	2.53	6.42	3.02	1.37	0.00	0.13	0.00	0.00	3.56	8.08
7200	0.07	0.04	0.00	0.05	0.00	0.00	0.07	0.23	0.09	0.04	0.00	0.05	0.00	0.00	0.10	0.28
7205	23.77	14.14	17.73	4.25	0.00	0.00	26.27	86.16	28.52	14.37	23.35	5.60	0.00	0.00	35.03	106.87
7210	3.33	1.85	0.00	0.18	0.00	0.00	3.48	8.84	4.17	1.89	0.00	0.18	0.00	0.00	4.90	11.14
7215	3.52	1.95	0.00	0.19	0.00	0.00	3.68	9.34	4.40	2.00	0.00	0.19	0.00	0.00	5.18	11.77
7220	2.94	1.63	0.00	0.16	0.00	0.00	3.07	7.80	3.67	1.66	0.00	0.16	0.00	0.00	4.32	9.81
7225	0.87	0.48	0.00	0.12	0.00	0.00	0.91	2.38	1.08	0.49	0.00	0.12	0.00	0.00	1.28	2.97
7230	0.09	0.05	0.00	0.08	0.00	0.00	0.10	0.32	0.12	0.05	0.00	0.08	0.00	0.00	0.14	0.39
7235	39.85	23.70	26.98	6.47	0.00	0.00	44.04	141.04	47.82	24.09	35.53	8.53	0.00	0.00	58.72	174.69
7240	5.06	2.81	0.00	0.28	0.00	0.00	5.29	13.44	6.32	2.87	0.00	0.28	0.00	0.00	7.44	16.91
7245	5.56	3.08	0.00	0.29	0.00	0.00	5.81	14.74	6.95	3.15	0.00	0.29	0.00	0.00	8.17	18.56
7250	0.11	0.06	0.00	0.08	0.00	0.00	0.11	0.36	0.14	0.06	0.00	0.08	0.00	0.00	0.16	0.44
7255	3.75	2.08	0.00	0.20	0.00	0.00	3.92	9.95	4.69	2.13	0.00	0.20	0.00	0.00	5.51	12.53
7265	3.33	2.04	2.43	0.87	0.00	0.00	5.12	13.79	4.17	2.08	3.20	1.15	0.00	0.00	6.98	17.58
7270	3.93	2.41	3.01	1.08	0.00	0.00	6.04	16.47	4.91	2.45	3.96	1.43	0.00	0.00	8.23	20.98
7275	4.41	2.70	3.39	1.22	0.00	0.00	6.77	18.49	5.51	2.75	4.47	1.61	0.00	0.00	9.23	23.57
7280	0.73	0.41	0.00	0.08	0.00	0.00	0.76	1.98	0.91	0.41	0.00	0.08	0.00	0.00	1.07	2.47
7285	0.73	0.40	0.00	0.05	0.00	0.00	0.76	1.94	0.91	0.41	0.00	0.05	0.00	0.00	1.07	2.44
7290	6.11	3.74	4.70	1.69	0.00	0.00	9.38	25.62	7.64	3.81	6.19	2.23	0.00	0.00	12.79	32.66
7295	0.81	0.45	0.00	0.08	0.00	0.00	0.85	2.19	1.02	0.46	0.00	0.08	0.00	0.00	1.20	2.76
7300	1.00	0.55	0.00	0.05	0.00	0.00	1.04	2.64	1.24	0.56	0.00	0.05	0.00	0.00	1.46	3.31
7305	7.98	4.88	5.78	2.08	0.00	0.00	12.25	32.97	9.97	4.98	7.61	2.74	0.00	0.00	16.71	42.01
7310	1.25	0.69	0.00	0.08	0.00	0.00	1.30	3.32	1.56	0.71	0.00	0.08	0.00	0.00	1.83	4.18
7315	1.24	0.69	0.00	0.05	0.00	0.00	1.30	3.28	1.55	0.70	0.00	0.05	0.00	0.00	1.83	4.13

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	12.09	7.40	8.59	3.09	0.00	0.00	18.57	49.74	15.11	7.54	11.32	4.08	0.00	0.00	25.32	63.37
7325	1.33	0.74	0.00	0.08	0.00	0.00	1.39	3.54	1.66	0.75	0.00	0.08	0.00	0.00	1.95	4.44
7330	1.39	0.77	0.00	0.08	0.00	0.00	1.46	3.70	1.74	0.79	0.00	0.08	0.00	0.00	2.05	4.66
7335	1.89	1.05	0.00	0.05	0.00	0.00	1.98	4.97	2.36	1.07	0.00	0.05	0.00	0.00	2.78	6.26
7340	21.16	10.66	11.56	3.24	0.00	0.00	23.39	70.01	26.45	10.92	15.23	4.26	0.00	0.00	32.48	89.34
7345	2.63	1.46	0.00	0.12	0.00	0.00	2.75	6.96	3.29	1.49	0.00	0.12	0.00	0.00	3.87	8.77
7350	2.67	1.48	0.00	0.10	0.00	0.00	2.79	7.04	3.34	1.51	0.00	0.10	0.00	0.00	3.93	8.88
7355	25.40	15.11	17.54	4.21	0.00	0.00	28.07	90.33	30.48	15.36	23.10	5.54	0.00	0.00	37.43	111.91
7360	3.98	2.21	0.00	0.22	0.00	0.00	4.16	10.57	4.98	2.26	0.00	0.22	0.00	0.00	5.86	13.32
7365	4.08	2.26	0.00	0.25	0.00	0.00	4.26	10.85	5.10	2.31	0.00	0.25	0.00	0.00	6.00	13.66
7370	2.55	1.41	0.00	0.12	0.00	0.00	2.66	6.74	3.18	1.44	0.00	0.12	0.00	0.00	3.74	8.48
7375	34.13	20.30	20.23	4.86	0.00	0.00	37.73	117.25	40.96	20.64	26.65	6.40	0.00	0.00	50.30	144.95
7380	4.59	2.54	0.00	0.26	0.00	0.00	4.80	12.19	5.74	2.60	0.00	0.26	0.00	0.00	6.74	15.34
7385	5.25	2.91	0.00	0.25	0.00	0.00	5.49	13.90	6.56	2.97	0.00	0.25	0.00	0.00	7.72	17.50
7390	2.93	1.62	0.00	0.12	0.00	0.00	3.06	7.73	3.66	1.66	0.00	0.12	0.00	0.00	4.31	9.75
7400	3.68	2.25	2.51	0.90	0.00	0.00	5.66	15.00	4.60	2.30	3.30	1.19	0.00	0.00	7.71	19.10
7405	4.62	2.83	3.01	1.08	0.00	0.00	7.09	18.63	5.77	2.88	3.96	1.43	0.00	0.00	9.67	23.71
7410	6.75	4.13	4.24	1.53	0.00	0.00	10.37	27.02	8.44	4.21	5.58	2.01	0.00	0.00	14.13	34.37
7415	8.79	5.38	5.40	1.94	0.00	0.00	13.50	35.01	10.99	5.48	7.11	2.56	0.00	0.00	18.41	44.55
7420	1.02	0.56	0.00	0.05	0.00	0.00	1.06	2.69	1.27	0.58	0.00	0.05	0.00	0.00	1.49	3.39
7425	1.15	0.64	0.00	0.05	0.00	0.00	1.20	3.04	1.43	0.65	0.00	0.05	0.00	0.00	1.68	3.81
7430	13.67	8.36	8.09	2.91	0.00	0.00	20.99	54.02	17.08	8.53	10.66	3.84	0.00	0.00	28.62	68.73
7435	1.80	1.00	0.00	0.05	0.00	0.00	1.88	4.73	2.25	1.02	0.00	0.05	0.00	0.00	2.64	5.96
7440	1.21	0.67	0.00	0.05	0.00	0.00	1.27	3.20	1.52	0.69	0.00	0.05	0.00	0.00	1.79	4.05
7445	19.96	10.06	11.95	3.35	0.00	0.00	22.06	67.38	24.95	10.30	15.74	4.41	0.00	0.00	30.64	86.04
7450	2.21	1.23	0.00	0.10	0.00	0.00	2.31	5.85	2.77	1.25	0.00	0.10	0.00	0.00	3.25	7.37
7455	1.83	1.01	0.00	0.12	0.00	0.00	1.91	4.87	2.29	1.04	0.00	0.12	0.00	0.00	2.69	6.14
7460	0.77	0.43	0.00	0.08	0.00	0.00	0.80	2.08	0.96	0.44	0.00	0.08	0.00	0.00	1.13	2.61
7465	0.45	0.25	0.00	0.13	0.00	0.00	0.47	1.30	0.56	0.25	0.00	0.13	0.00	0.00	0.66	1.60
7470	0.07	0.04	0.00	0.08	0.00	0.00	0.07	0.26	0.09	0.04	0.00	0.08	0.00	0.00	0.10	0.31
7480	2.55	1.56	1.62	0.58	0.00	0.00	3.92	10.23	3.19	1.59	2.13	0.77	0.00	0.00	5.34	13.02
7485	3.61	2.21	2.51	0.90	0.00	0.00	5.54	14.77	4.51	2.25	3.30	1.19	0.00	0.00	7.56	18.81
7490	4.33	2.65	2.77	1.00	0.00	0.00	6.64	17.39	5.41	2.70	3.65	1.32	0.00	0.00	9.06	22.14
7495	8.06	4.93	4.24	1.53	0.00	0.00	12.37	31.13	10.07	5.03	5.58	2.01	0.00	0.00	16.87	39.56
7500	10.71	6.55	5.59	2.01	0.00	0.00	16.44	41.30	13.38	6.68	7.36	2.65	0.00	0.00	22.42	52.49
7510	3.02	1.85	2.54	0.92	0.00	0.00	4.64	12.97	3.78	1.89	3.35	1.21	0.00	0.00	6.33	16.56
7515	0.52	0.29	0.00	0.05	0.00	0.00	0.55	1.41	0.65	0.30	0.00	0.05	0.00	0.00	0.77	1.77
7520	4.54	2.77	3.47	1.25	0.00	0.00	6.96	18.99	5.67	2.83	4.57	1.64	0.00	0.00	9.50	24.21
7525	0.37	0.21	0.00	0.05	0.00	0.00	0.39	1.02	0.47	0.21	0.00	0.05	0.00	0.00	0.55	1.28
7530	6.63	4.06	4.55	1.64	0.00	0.00	10.19	27.07	8.29	4.14	5.99	2.16	0.00	0.00	13.89	34.47
7535	0.62	0.35	0.00	0.05	0.00	0.00	0.65	1.67	0.78	0.35	0.00	0.05	0.00	0.00	0.92	2.10
7540	9.40	5.75	5.97	2.15	0.00	0.00	14.44	37.71	11.75	5.87	7.87	2.83	0.00	0.00	19.69	48.01
7545	0.81	0.45	0.00	0.05	0.00	0.00	0.85	2.16	1.02	0.46	0.00	0.05	0.00	0.00	1.20	2.73
7550	11.85	7.25	8.48	3.05	0.00	0.00	18.21	48.84	14.82	7.40	11.17	4.02	0.00	0.00	24.83	62.24
7555	1.27	0.71	0.00	0.08	0.00	0.00	1.33	3.39	1.59	0.72	0.00	0.08	0.00	0.00	1.87	4.26
7560	1.36	0.75	0.00	0.10	0.00	0.00	1.42	3.63	1.70	0.77	0.00	0.10	0.00	0.00	2.00	4.57
7565	19.32	9.73	12.33	3.45	0.00	0.00	21.35	66.18	24.15	9.97	16.24	4.55	0.00	0.00	29.65	84.56
7570	1.75	0.97	0.00	0.14	0.00	0.00	1.83	4.69	2.18	0.99	0.00	0.14	0.00	0.00	2.57	5.88
7575	1.85	1.02	0.00	0.14	0.00	0.00	1.93	4.94	2.31	1.05	0.00	0.14	0.00	0.00	2.71	6.21
7580	25.96	13.08	15.80	4.42	0.00	0.00	28.69	87.95	32.45	13.39	20.81	5.83	0.00	0.00	39.85	112.33
7585	2.38	1.32	0.00	0.20	0.00	0.00	2.48	6.38	2.97	1.35	0.00	0.20	0.00	0.00	3.49	8.01
7590	2.16	1.20	0.00	0.18	0.00	0.00	2.26	5.80	2.70	1.23	0.00	0.18	0.00	0.00	3.18	7.29
7595	38.30	22.78	23.89	5.73	0.00	0.00	42.33	133.03	45.96	23.15	31.47	7.55	0.00	0.00	56.44	164.57
7600	5.71	3.17	0.00	0.24	0.00	0.00	5.97	15.09	7.14	3.24	0.00	0.24	0.00	0.00	8.40	19.02
7605	5.37	2.98	0.00	0.21	0.00	0.00	5.61	14.17	6.71	3.04	0.00	0.21	0.00	0.00	7.89	17.85

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7610	5.03	2.79	0.00	0.19	0.00	0.00	5.25	13.26	6.28	2.85	0.00	0.19	0.00	0.00	7.39	16.71
7620	12.09	7.40	7.90	2.84	0.00	0.00	18.57	48.80	15.11	7.54	10.41	3.75	0.00	0.00	25.32	62.13
7625	1.26	0.70	0.00	0.05	0.00	0.00	1.32	3.33	1.58	0.71	0.00	0.05	0.00	0.00	1.85	4.19
7630	1.41	0.78	0.00	0.05	0.00	0.00	1.48	3.72	1.77	0.80	0.00	0.05	0.00	0.00	2.08	4.70
7635	1.45	0.80	0.00	0.05	0.00	0.00	1.51	3.81	1.81	0.82	0.00	0.05	0.00	0.00	2.13	4.81
7640	16.04	8.08	10.02	2.81	0.00	0.00	17.73	54.68	20.05	8.28	13.20	3.70	0.00	0.00	24.63	69.86
7645	1.78	0.99	0.00	0.05	0.00	0.00	1.86	4.68	2.23	1.01	0.00	0.05	0.00	0.00	2.62	5.91
7650	2.34	1.30	0.00	0.05	0.00	0.00	2.44	6.13	2.92	1.32	0.00	0.05	0.00	0.00	3.44	7.73
7655	1.95	1.08	0.00	0.05	0.00	0.00	2.03	5.11	2.43	1.10	0.00	0.05	0.00	0.00	2.86	6.44
7660	21.48	10.82	13.49	3.78	0.00	0.00	23.74	73.31	26.85	11.08	17.77	4.97	0.00	0.00	32.97	93.64
7665	2.33	1.29	0.00	0.12	0.00	0.00	2.43	6.17	2.91	1.32	0.00	0.12	0.00	0.00	3.42	7.77
7670	2.55	1.42	0.00	0.13	0.00	0.00	2.67	6.77	3.19	1.45	0.00	0.13	0.00	0.00	3.75	8.52
7675	2.23	1.24	0.00	0.11	0.00	0.00	2.33	5.91	2.79	1.26	0.00	0.11	0.00	0.00	3.28	7.44
7680	0.09	0.05	0.00	0.05	0.00	0.00	0.10	0.29	0.12	0.05	0.00	0.05	0.00	0.00	0.14	0.36
7685	0.60	0.33	0.00	0.11	0.00	0.00	0.62	1.66	0.75	0.34	0.00	0.11	0.00	0.00	0.88	2.08
7695	12.11	7.14	7.50	2.10	2.41	0.36	9.93	41.55	15.13	7.29	9.87	2.76	5.05	0.76	13.45	54.31
7700	17.22	10.47	10.72	3.00	5.62	0.84	14.23	62.10	21.52	10.70	14.10	3.95	11.77	1.76	19.27	83.07
7705	24.19	15.03	16.07	4.50	7.18	1.08	20.09	88.14	30.24	15.35	21.15	5.92	15.04	2.26	27.20	117.16
7715	18.86	11.43	10.79	3.02	5.88	0.88	15.57	66.43	23.58	11.68	14.19	3.97	12.32	1.85	21.09	88.68
7720	30.94	19.33	20.43	5.72	9.74	1.46	25.72	113.34	38.68	19.75	26.88	7.53	20.40	3.06	34.83	151.13
7730	1.03	0.61	1.54	0.43	0.22	0.03	0.84	4.70	1.28	0.62	2.02	0.57	0.46	0.07	1.14	6.16
7735	1.16	0.69	1.79	0.50	0.22	0.03	0.96	5.35	1.45	0.70	2.35	0.66	0.46	0.07	1.29	6.98
7740	1.30	0.78	2.21	0.62	0.27	0.04	1.07	6.29	1.63	0.79	2.91	0.82	0.55	0.08	1.45	8.23
7750	0.25	0.15	0.69	0.19	0.03	0.01	0.30	1.62	0.31	0.15	0.90	0.25	0.05	0.01	0.42	2.09
7755	1.04	0.60	1.38	0.39	0.06	0.01	1.26	4.74	1.30	0.61	1.80	0.50	0.09	0.01	1.75	6.06
7760	1.46	0.83	2.14	0.60	0.06	0.01	1.76	6.86	1.82	0.85	2.79	0.78	0.09	0.01	2.44	8.78
7765	2.63	1.51	2.29	0.64	0.19	0.03	3.18	10.47	3.29	1.54	3.01	0.84	0.27	0.04	4.42	13.41
7770	5.41	3.09	3.75	1.05	0.33	0.05	6.53	20.21	6.77	3.16	4.93	1.38	0.46	0.07	9.07	25.84
7785	1.79	1.02	0.86	0.24	0.06	0.01	2.16	6.14	2.24	1.04	1.13	0.32	0.09	0.01	3.00	7.83
7790	3.50	2.00	1.57	0.44	0.19	0.03	4.22	11.95	4.38	2.04	2.07	0.58	0.27	0.04	5.86	15.24
7795	3.88	2.21	1.96	0.55	0.19	0.03	4.67	13.49	4.85	2.25	2.58	0.72	0.27	0.04	6.49	17.20
7800	6.25	3.49	4.04	1.13	0.00	0.00	7.50	22.41	7.81	3.56	5.31	1.49	0.00	0.00	10.42	28.59
7805	12.33	6.88	6.25	1.75	0.00	0.00	14.80	42.01	15.41	7.03	8.22	2.30	0.00	0.00	20.56	53.52
7815	10.17	5.67	3.57	1.00	0.00	0.00	12.21	32.62	12.71	5.80	4.70	1.32	0.00	0.00	16.96	41.49
7820	14.87	8.29	5.72	1.60	0.00	0.00	17.85	48.33	18.58	8.48	7.52	2.11	0.00	0.00	24.79	61.48
7825	19.00	10.60	5.72	1.60	0.00	0.00	22.81	59.73	23.75	10.83	7.52	2.11	0.00	0.00	31.69	75.90
7835	8.17	4.56	2.39	0.67	0.00	0.00	9.81	25.60	10.21	4.66	3.15	0.88	0.00	0.00	13.63	32.53
7840	8.90	4.96	2.39	0.67	0.00	0.00	10.68	27.60	11.12	5.07	3.15	0.88	0.00	0.00	14.83	35.05
7845	9.17	5.11	2.39	0.67	0.00	0.00	11.00	28.34	11.46	5.22	3.15	0.88	0.00	0.00	15.28	35.99
7850	17.41	9.71	5.36	1.50	0.00	0.00	20.90	54.88	21.76	9.93	7.05	1.97	0.00	0.00	29.03	69.74
7855	21.59	12.05	6.25	1.75	0.00	0.00	25.92	67.56	26.98	12.31	8.22	2.30	0.00	0.00	36.00	85.81
7870	0.87	0.36	2.73	0.76	0.12	0.02	0.91	5.77	1.04	0.37	3.64	1.02	0.15	0.02	1.25	7.49
7875	1.09	0.44	2.73	0.76	0.14	0.02	1.14	6.32	1.30	0.46	3.64	1.02	0.19	0.03	1.56	8.20
7880	0.90	0.38	2.73	0.76	0.19	0.03	0.95	5.94	1.08	0.39	3.64	1.02	0.23	0.03	1.31	7.70
7885	1.11	0.46	2.73	0.76	0.22	0.03	1.17	6.48	1.33	0.47	3.64	1.02	0.29	0.04	1.60	8.39
7890	1.01	0.44	2.73	0.76	0.30	0.04	1.07	6.35	1.21	0.45	3.64	1.02	0.38	0.06	1.47	8.23
7895	1.38	0.76	6.25	1.88	0.38	0.06	1.25	11.96	1.84	0.79	8.04	2.41	0.49	0.07	1.95	15.59
7900	1.96	1.06	3.76	0.98	0.38	0.06	1.77	9.97	2.61	1.09	4.89	1.27	0.49	0.07	2.75	13.17
7905	1.62	0.89	7.19	2.16	0.38	0.06	1.47	13.77	2.15	0.91	9.24	2.77	0.49	0.07	2.28	17.91
7910	2.23	1.20	3.76	0.98	0.38	0.06	2.01	10.62	2.97	1.24	4.89	1.27	0.49	0.07	3.13	14.06
7915	1.77	0.98	7.19	2.16	0.47	0.07	1.61	14.25	2.36	1.01	9.24	2.77	0.59	0.09	2.50	18.56
7920	2.22	1.26	3.76	0.98	0.81	0.12	2.03	11.18	2.95	1.30	4.89	1.27	1.03	0.15	3.16	14.75
7925	2.96	1.48	13.45	4.30	0.82	0.12	2.50	25.63	3.94	1.53	17.33	5.55	1.06	0.16	3.88	33.45
7930	4.10	2.03	6.09	1.71	0.98	0.15	3.45	18.51	5.47	2.10	7.92	2.22	1.27	0.19	5.37	24.54
7935	4.30	2.12	6.09	1.71	1.01	0.15	3.62	19.00	5.73	2.19	7.92	2.22	1.29	0.19	5.63	25.17

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7940	4.05	2.00	6.09	1.71	1.01	0.15	3.41	18.42	5.40	2.08	7.92	2.22	1.29	0.19	5.30	24.40
7945	4.77	2.34	6.09	1.71	1.01	0.15	4.01	20.08	6.36	2.42	7.92	2.22	1.29	0.19	6.23	26.63
7950	6.28	3.08	8.32	2.33	1.33	0.20	5.28	26.82	8.38	3.19	10.81	3.03	1.71	0.26	8.21	35.59
7955	6.66	3.27	8.32	2.33	1.43	0.21	5.60	27.82	8.88	3.39	10.81	3.03	1.84	0.28	8.71	36.94
7960	6.30	3.10	8.32	2.33	1.43	0.21	5.30	26.99	8.39	3.21	10.81	3.03	1.84	0.28	8.24	35.80
7965	6.26	3.05	9.95	2.79	1.20	0.18	5.25	28.68	8.34	3.16	12.94	3.62	1.55	0.23	8.17	38.01
7975	0.96	0.40	2.87	0.80	0.15	0.02	1.01	6.21	1.15	0.41	3.83	1.07	0.19	0.03	1.38	8.06
7980	1.24	0.51	2.78	0.78	0.15	0.02	1.30	6.78	1.48	0.52	3.71	1.04	0.19	0.03	1.78	8.75
7985	1.35	0.55	2.87	0.80	0.16	0.02	1.42	7.17	1.62	0.57	3.83	1.07	0.21	0.03	1.94	9.27
7990	1.27	0.52	2.87	0.80	0.16	0.02	1.33	6.97	1.52	0.53	3.83	1.07	0.20	0.03	1.82	9.00
7995	1.35	0.56	2.87	0.80	0.19	0.03	1.42	7.22	1.62	0.57	3.83	1.07	0.25	0.04	1.95	9.33
8000	1.20	0.51	2.78	0.78	0.30	0.04	1.27	6.88	1.44	0.52	3.71	1.04	0.38	0.06	1.75	8.90
8005	1.26	0.71	6.54	1.96	0.38	0.06	1.15	12.06	1.68	0.73	8.40	2.52	0.49	0.07	1.79	15.68
8010	1.38	0.77	6.54	1.96	0.38	0.06	1.26	12.35	1.84	0.79	8.40	2.52	0.49	0.07	1.95	16.06
8015	2.01	1.09	3.83	1.00	0.38	0.06	1.81	10.18	2.68	1.12	4.98	1.29	0.49	0.07	2.82	13.45
8020	1.45	0.81	7.27	2.18	0.47	0.07	1.32	13.57	1.93	0.84	9.34	2.80	0.59	0.09	2.05	17.64
8025	2.99	1.62	5.22	1.36	0.61	0.09	2.70	14.59	3.98	1.67	6.79	1.76	0.77	0.12	4.20	19.29
8030	2.75	1.41	12.49	4.00	1.07	0.16	2.33	24.21	3.66	1.46	16.09	5.15	1.38	0.21	3.63	31.58
8035	3.37	1.70	7.13	2.00	1.07	0.16	2.85	18.28	4.49	1.76	9.27	2.60	1.38	0.21	4.43	24.14
8040	3.99	1.95	8.18	2.29	0.76	0.11	3.35	20.63	5.32	2.02	10.63	2.98	0.97	0.15	5.21	27.28
8045	4.43	2.19	7.31	2.05	1.07	0.16	3.73	20.94	5.91	2.27	9.50	2.66	1.38	0.21	5.80	27.73
8050	4.13	2.23	5.34	1.39	0.76	0.11	3.73	17.69	5.50	2.30	6.94	1.80	0.95	0.14	5.80	23.43
8055	5.21	2.55	10.44	2.92	1.07	0.16	4.38	26.73	6.95	2.64	13.57	3.80	1.38	0.21	6.81	35.36
8060	5.33	2.64	10.68	2.99	1.27	0.19	4.49	27.59	7.11	2.73	13.89	3.89	1.62	0.24	6.98	36.46
8065	6.23	3.08	10.68	2.99	1.47	0.22	5.25	29.92	8.31	3.19	13.89	3.89	1.89	0.28	8.16	39.61
8075	1.50	0.81	3.60	0.93	0.28	0.04	1.35	8.51	2.00	0.83	4.67	1.22	0.35	0.05	2.11	11.23
8080	1.33	0.72	5.97	1.79	0.28	0.04	1.20	11.33	1.77	0.74	7.67	2.30	0.35	0.05	1.87	14.75
8085	1.95	1.04	3.83	1.00	0.28	0.04	1.76	9.90	2.60	1.07	4.98	1.29	0.35	0.05	2.73	13.07
8090	2.45	1.31	4.18	1.09	0.38	0.06	2.21	11.68	3.27	1.35	5.43	1.41	0.49	0.07	3.43	15.45
8095	4.09	2.03	7.31	2.05	1.07	0.16	3.45	20.16	5.46	2.10	9.50	2.66	1.38	0.21	5.37	26.68
8100	5.52	2.69	8.00	2.24	1.07	0.16	4.63	24.31	7.36	2.78	10.41	2.91	1.38	0.21	7.20	32.25
8105	5.81	2.82	10.44	2.92	1.07	0.16	4.87	28.09	7.74	2.92	13.57	3.80	1.38	0.21	7.58	37.20
8110	5.65	2.75	7.31	2.05	1.07	0.16	4.74	23.73	7.53	2.85	9.50	2.66	1.38	0.21	7.37	31.50
8115	5.91	2.87	8.00	2.24	1.07	0.16	4.96	25.21	7.89	2.97	10.41	2.91	1.38	0.21	7.72	33.49
8125	6.22	3.02	10.44	2.92	1.12	0.17	5.22	29.11	8.30	3.13	13.57	3.80	1.45	0.22	8.12	38.59
8130	6.27	3.05	10.44	2.92	1.12	0.17	5.26	29.23	8.36	3.15	13.57	3.80	1.45	0.22	8.18	38.73
8135	6.77	3.28	9.40	2.63	1.12	0.17	5.67	29.04	9.03	3.39	12.21	3.42	1.45	0.22	8.82	38.54
8145	6.89	3.36	8.53	2.39	1.42	0.21	5.78	28.58	9.19	3.48	11.08	3.10	1.86	0.28	9.00	37.99
8150	6.06	2.95	10.44	2.92	1.12	0.17	5.09	28.75	8.08	3.05	13.57	3.80	1.45	0.22	7.91	38.08
8155	5.83	2.84	10.44	2.92	1.12	0.17	4.90	28.22	7.78	2.94	13.57	3.80	1.45	0.22	7.62	37.38
8160	6.54	3.17	12.18	3.41	1.12	0.17	5.49	32.08	8.73	3.28	15.83	4.43	1.45	0.22	8.53	42.47
8170	2.56	1.17	0.00	0.10	0.00	0.00	2.39	6.22								
8175	3.07	1.40	0.00	0.10	0.00	0.00	2.87	7.44								
8180	4.76	2.17	0.00	0.10	0.00	0.00	4.45	11.48								
8185	5.89	2.69	0.00	0.10	0.00	0.00	5.50	14.18								
8190	6.51	2.97	0.00	0.10	0.00	0.00	6.08	15.66								
8200	0.61	0.28	0.00	0.09	0.00	0.00	0.57	1.55	0.82	0.29	0.00	0.09	0.00	0.00	0.87	2.07
8205	0.97	0.44	0.00	0.09	0.00	0.00	0.90	2.40	1.29	0.46	0.00	0.09	0.00	0.00	1.38	3.22
8210	0.98	0.45	0.00	0.09	0.00	0.00	0.91	2.43	1.30	0.46	0.00	0.09	0.00	0.00	1.39	3.24
8215	0.99	0.45	0.00	0.09	0.00	0.00	0.93	2.46	1.32	0.47	0.00	0.09	0.00	0.00	1.41	3.29
8225	0.20	0.09	0.00	0.00	0.00	0.00	0.18	0.47								
8230	0.20	0.09	0.00	0.00	0.00	0.00	0.19	0.48								
8235	0.22	0.10	0.00	0.00	0.00	0.00	0.21	0.53								
8240	0.26	0.12	0.00	0.00	0.00	0.00	0.25	0.63								
8245	0.29	0.13	0.00	0.00	0.00	0.00	0.27	0.69								

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	
8250	0.27	0.13	0.00	0.00	0.00	0.00	0.26	0.66								
8260	0.23	0.11	0.00	0.09	0.00	0.00	0.22	0.65								
8265	0.27	0.12	0.00	0.09	0.00	0.00	0.25	0.73								
8270	0.75	0.34	0.00	0.09	0.00	0.00	0.70	1.88								
8275	0.85	0.39	0.00	0.09	0.00	0.00	0.79	2.12								
8285	2.66	1.21	0.00	0.13	0.00	0.00	2.48	6.48								
8290	2.70	1.23	0.00	0.13	0.00	0.00	2.52	6.58								
8295	2.72	1.24	0.00	0.13	0.00	0.00	2.55	6.64								
8300	2.76	1.26	0.00	0.13	0.00	0.00	2.58	6.73								
8310	1.18	0.54	0.00	0.00	0.00	0.00	1.10	2.82								
8315	1.25	0.57	0.00	0.00	0.00	0.00	1.16	2.98								
8320	1.32	0.60	0.00	0.00	0.00	0.00	1.24	3.16								
8330	2.01	1.12	0.00	0.09	0.53	0.08	1.53	5.36	2.51	1.14	0.00	0.09	0.63	0.09	2.23	6.69
8335	2.42	1.33	0.00	0.09	0.53	0.08	1.84	6.29	3.02	1.36	0.00	0.09	0.63	0.09	2.69	7.88
8340	2.44	1.34	0.00	0.09	0.53	0.08	1.86	6.34	3.05	1.37	0.00	0.09	0.63	0.09	2.71	7.94
8345	2.89	1.60	0.00	0.09	0.68	0.10	2.20	7.56	3.61	1.63	0.00	0.09	0.82	0.12	3.21	9.48
8350	3.47	1.88	0.00	0.09	0.67	0.10	2.64	8.85	4.33	1.93	0.00	0.09	0.80	0.12	3.84	11.11
8355	7.02	4.00	0.00	0.09	2.28	0.34	5.38	19.11	8.78	4.09	0.00	0.09	2.74	0.41	7.85	23.96
8360	7.77	4.47	0.00	0.09	2.76	0.41	5.97	21.47	9.71	4.58	0.00	0.09	3.32	0.50	8.70	26.90
8370	2.73	1.48	0.00	0.09	0.53	0.08	2.08	6.99	3.41	1.52	0.00	0.09	0.63	0.09	3.03	8.77
8380	1.25	0.97	0.00	0.09	0.42	0.06	1.00	3.79								
8385	1.39	1.08	0.00	0.09	0.48	0.07	1.11	4.22								
8390	1.51	1.17	0.00	0.09	0.53	0.08	1.21	4.59								
8395	1.73	1.35	0.00	0.13	0.64	0.10	1.39	5.34								
8400	1.78	1.41	0.00	0.13	0.72	0.11	1.44	5.59								
8405	2.07	1.62	0.00	0.13	0.79	0.12	1.66	6.39								
8410	2.18	1.75	0.00	0.13	0.97	0.15	1.77	6.95								
8415	2.74	2.13	0.00	0.13	0.97	0.15	2.19	8.31								
8420	2.83	2.20	0.00	0.13	0.97	0.15	2.26	8.54								
8425	3.26	2.51	0.00	0.17	1.05	0.16	2.60	9.75								
8430	3.49	2.71	0.00	0.17	1.18	0.18	2.79	10.52								
8435	3.93	3.04	0.00	0.17	1.30	0.19	3.14	11.77								
8440	4.40	3.53	0.00	0.17	1.94	0.29	3.56	13.89								
8445	1.02	0.83	0.00	0.09	0.53	0.08	0.83	3.38								
8455	0.94	0.78	0.00	0.09	0.53	0.08	0.77	3.19								
8465	1.22	0.97	0.00	0.11	0.53	0.08	0.98	3.89								
8470	1.23	0.98	0.00	0.11	0.53	0.08	0.99	3.92								
8480	0.63	0.52	0.00	0.10	0.32	0.05	0.51	2.13								
8485	0.71	0.59	0.00	0.10	0.40	0.06	0.58	2.44								
8490	0.77	0.64	0.00	0.10	0.44	0.07	0.63	2.65								
8500	1.99	1.37	2.25	0.63	0.19	0.03	1.34	7.80								
8505	2.02	1.45	2.25	0.63	0.38	0.06	1.37	8.16								
8510	2.12	1.51	2.25	0.63	0.38	0.06	1.44	8.39								
8520	19.42	12.27	10.15	3.45	5.58	0.84	14.63	66.34	23.30	12.47	13.11	4.46	9.31	1.40	20.48	84.53
8525	26.90	17.22	14.66	4.99	9.61	1.44	20.31	95.13	32.28	17.50	18.94	6.44	16.03	2.40	28.44	122.03
8530	36.49	23.97	19.63	6.67	12.85	1.93	27.68	129.22	43.79	24.36	25.35	8.62	21.43	3.21	38.75	165.51
8535	17.23	10.97	10.15	3.45	5.58	0.84	13.00	61.22	20.68	11.14	13.11	4.46	9.31	1.40	18.20	78.30
8540	25.05	16.43	14.66	4.99	12.12	1.82	18.99	94.06	30.06	16.69	18.94	6.44	20.21	3.03	26.59	121.96
8550	12.61	8.05	5.30	1.80	3.49	0.52	9.52	41.29	15.14	8.18	6.85	2.33	5.61	0.84	13.33	52.28
8555	15.33	9.70	5.75	1.96	3.66	0.55	11.55	48.50	18.39	9.86	7.43	2.53	5.88	0.88	16.18	61.15
8560	15.41	10.13	5.75	1.96	6.17	0.93	11.69	52.04	18.49	10.29	7.43	2.53	9.92	1.49	16.37	66.52
8565	25.91	16.89	10.15	3.45	9.47	1.42	19.63	86.92	31.09	17.16	13.11	4.46	15.22	2.28	27.48	110.80
8575	12.66	8.04	4.83	1.64	2.82	0.42	9.55	39.96	15.20	8.17	6.24	2.12	4.70	0.70	13.37	50.50
8580	20.36	12.77	10.15	3.45	5.05	0.76	15.33	67.87	24.44	12.98	13.11	4.46	8.42	1.26	21.46	86.13
8585	26.19	16.80	13.72	4.66	9.61	1.44	19.79	92.21	31.43	17.08	17.72	6.02	16.03	2.40	27.70	118.38

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
8590	34.33	22.45	14.57	4.96	11.53	1.73	26.02	115.59	41.20	22.82	18.82	6.40	19.22	2.88	36.43	147.77	
8595	35.06	23.12	17.03	5.79	12.85	1.93	26.61	122.39	42.07	23.49	22.00	7.48	21.43	3.21	37.25	156.93	
8605	25.95	16.31	13.08	4.45	7.74	1.16	19.54	88.23	31.14	16.57	16.90	5.75	13.27	1.99	27.35	112.97	
8615	11.23	7.10	4.85	1.65	3.27	0.49	8.47	37.06	13.48	7.22	6.27	2.13	5.45	0.82	11.85	47.22	
8620	16.20	10.26	7.24	2.46	4.81	0.72	12.21	53.90	19.44	10.42	9.35	3.18	8.03	1.20	17.10	68.72	
8625	19.40	12.69	11.12	3.78	9.15	1.37	14.70	72.21	23.28	12.90	14.37	4.88	15.26	2.29	20.58	93.56	
8630	26.20	17.11	14.08	4.79	12.12	1.82	19.85	95.97	31.44	17.39	18.18	6.18	20.21	3.03	27.80	124.23	
8635	36.69	24.09	18.95	6.44	12.85	1.93	27.83	128.78	44.03	24.48	24.48	8.32	21.43	3.21	38.96	164.91	
8645	20.09	12.67	9.48	3.22	5.58	0.84	15.14	67.02	24.11	12.88	12.24	4.16	9.31	1.40	21.19	85.29	
8650	27.60	17.64	12.99	4.42	9.61	1.44	20.84	94.54	33.12	17.93	16.78	5.71	16.03	2.40	29.18	121.15	
8655	29.45	19.05	14.48	4.92	12.12	1.82	22.28	104.12	35.34	19.36	18.71	6.36	20.21	3.03	31.19	134.20	
8660	32.80	21.41	15.32	5.21	10.74	1.61	24.85	111.94	39.36	21.76	19.79	6.73	17.91	2.69	34.80	143.04	
8665	36.24	23.82	18.45	6.27	12.85	1.93	27.49	127.05	43.48	24.20	23.84	8.10	21.43	3.21	38.48	162.74	
8675	7.72	6.08	5.36	1.71	1.91	0.29	6.70	29.77	9.27	6.16	7.05	2.26	2.57	0.39	8.72	36.42	
8680	13.28	10.70	11.79	3.77	4.34	0.65	11.60	56.13	15.93	10.84	15.51	4.96	5.84	0.88	15.08	69.04	
8685	18.08	14.70	16.07	5.14	6.45	0.97	15.84	77.25	21.70	14.89	21.15	6.77	8.69	1.30	20.59	95.09	
8690	18.60	15.07	16.07	5.14	6.45	0.97	16.28	78.58	22.32	15.28	21.15	6.77	8.69	1.30	21.16	96.67	
8695	20.68	16.94	19.65	6.29	7.93	1.19	18.15	90.83	24.82	17.16	25.85	8.27	10.68	1.60	23.60	111.98	
8700	21.92	17.84	19.65	6.29	7.93	1.19	19.21	94.03	26.31	18.08	25.85	8.27	10.68	1.60	24.97	115.76	
8710	13.15	10.61	11.79	3.77	4.34	0.65	11.49	55.80	15.78	10.75	15.51	4.96	5.84	0.88	14.94	68.66	
8715	17.94	14.60	16.07	5.14	6.45	0.97	15.72	76.89	21.53	14.79	21.15	6.77	8.69	1.30	20.44	94.67	
8720	18.20	14.79	16.07	5.14	6.45	0.97	15.94	77.56	21.84	14.98	21.15	6.77	8.69	1.30	20.72	95.45	
8725	22.15	18.01	19.65	6.29	7.93	1.19	19.40	94.62	26.58	18.25	25.85	8.27	10.68	1.60	25.22	116.45	
8730	22.52	18.28	19.65	6.29	7.93	1.19	19.72	95.58	27.02	18.52	25.85	8.27	10.68	1.60	25.63	117.57	
8740	16.29	10.56	11.79	3.77	5.83	0.87	12.32	61.43	19.54	10.73	15.51	4.96	9.76	1.46	17.25	79.21	
8745	24.58	16.11	16.07	5.14	9.25	1.39	18.64	91.18	29.49	16.37	21.15	6.77	15.01	2.25	26.09	117.13	
8750	38.22	25.69	23.22	7.43	20.50	3.08	29.10	147.24	45.86	26.11	30.55	9.78	34.47	5.17	40.74	192.68	
8760	14.68	9.63	9.89	3.17	5.86	0.88	11.13	55.24	17.61	9.78	13.02	4.17	9.68	1.45	15.58	71.29	
8765	26.07	16.34	15.11	4.84	4.00	0.60	19.62	86.58	31.28	16.61	19.88	6.36	6.57	0.99	27.47	109.16	
8775	17.10	11.07	11.79	3.77	6.00	0.90	12.94	63.57	20.52	11.25	15.51	4.96	10.02	1.50	18.11	81.87	
8780	24.40	15.72	16.07	5.14	8.05	1.21	18.45	89.04	29.28	15.97	21.15	6.77	13.49	2.02	25.82	114.50	
8790	4.40	1.57	4.79	1.34	0.04	0.01	6.47	18.62									
8795	6.68	2.38	8.42	2.36	0.04	0.01	9.82	29.71									
8805	1.02	0.67	0.00	0.01	0.00	0.00	0.68	2.38									
8810	1.19	0.78	0.00	0.01	0.00	0.00	0.79	2.77									
8815	1.38	0.91	0.00	0.01	0.00	0.00	0.92	3.22									
8825	1.78	1.22	0.61	0.16	0.17	0.03	1.20	5.17									
8830	2.02	1.38	0.61	0.16	0.17	0.03	1.36	5.73									
8835	2.25	1.53	0.61	0.16	0.17	0.03	1.51	6.26									
8845	0.22	0.11	1.14	0.34	0.00	0.00	0.13	1.94									
8850	0.26	0.13	1.42	0.43	0.00	0.00	0.15	2.39									
8860	0.53	0.24	3.66	0.88	0.03	0.00	0.57	5.91									
8865	0.56	0.25	3.66	0.88	0.02	0.00	0.61	5.98									
8870	0.61	0.27	6.11	1.47	0.02	0.00	0.66	9.14									
8875	0.78	0.35	6.48	1.56	0.02	0.00	0.85	10.04									
8885	0.73	0.32	1.19	0.29	0.02	0.00	0.79	3.34									
8890	0.78	0.35	1.68	0.40	0.02	0.00	0.85	4.08									
8895	0.86	0.39	1.68	0.40	0.05	0.01	0.94	4.33									
8900	0.94	0.42	2.83	0.68	0.05	0.01	1.02	5.95									
8910	0.23	0.11	0.57	0.17	0.00	0.00	0.13	1.21									
8915	0.23	0.12	1.14	0.34	0.00	0.00	0.13	1.96									
8925	0.10	0.05	1.08	0.32	0.00	0.00	0.06	1.61									
8930	0.13	0.07	1.37	0.41	0.00	0.00	0.07	2.05									
8935	0.36	0.18	1.71	0.51	0.00	0.00	0.21	2.97									
8940	0.63	0.32	2.39	0.72	0.00	0.00	0.36	4.42									

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8950	0.05	0.02	1.08	0.32	0.00	0.00	0.03	1.50								
8955	0.16	0.08	1.37	0.41	0.00	0.00	0.09	2.11								

APPENDIX A

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APPENDIX A

REFERENCES (Cont'd)

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19. Producer Prices and Price Indexes, U. S. Department of Labor, Bureau of Labor Statistics, Government Printing Office, Washington, D.C. 1973 through 1984.
20. Production and Cost Estimating of Material Movement with Earthmoving Equipment, General Motors Corp., Terex Division, Hudson, Ohio, 1975.

APPENDIX B

AREA FACTORS

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

Sales or Import Tax Rate:	5.50 %
Working Hours Per Year:	1,450 Hrs/Yr
Labor Adjustment Factor (LAF):	1.020
Electricity Cost Per Kilowatt-Hour:	\$ 0.095 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.160 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 0.940 /Gal.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.160 /Gal.
Freight Rates:	0 thru 24,000 lbs. \$ 7.200 /Cwt. over 24,000 thru 50,000 lbs. \$ 6.650 /Cwt. over 50,000 thru 60,000 lbs. \$ 5.750 /Cwt. over 60,000 thru 80,000 lbs. \$ 4.750 /Cwt. over 80,000 thru 9999,900 lbs. \$ 4.000 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

<u>EQUIPMENT TYPE</u>	<u>AVERAGE</u>	<u>SEVERE</u>
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.

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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. Pushloading 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. Pushloading in rocky, bouldery borrow pits. High impact conditions.
Depreciation Period	10,000 Hrs.	8,000 Hrs.
Scrapers, Self-Propelled	Varying loading and haul road conditions. Long and short hauls. Adverse and favorable grades. Some impact. Typical road-building use on a variety of jobs.	High impact condition, such as loading ripped rock. Continuous high total resistance conditions. Rough haul roads.
Depreciation Period	10,000 Hrs.	8,000 Hrs.
Trucks, Off Highway	Varying loading and haul road conditions. Typical road-building use on a variety of jobs.	Consistently poor haul road conditions. Oversized loading equipment.
Depreciation Period	12,000 Hrs.	10,000 Hrs.

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

<u>EQUIPMENT TYPE</u>	<u>AVERAGE</u>	<u>SEVERE</u>
Trucks, Highway	Varying loading and road conditions. Typical construction use on a variety of jobs.	Consistently poor road conditions. Oversized loading equipment.
Depreciation Period	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)

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

APPENDIX D
EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

TABLE LEGEND

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

TABLE LEGEND

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LPE	SLV	EQUIPMENT POWER				CARRIER POWER				POG			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				EGC			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
600	OVER 5 CY	A	14	15	60 .000	.061	.035		0 .000	.000	.000		0	24	24	0	0	0	110
600		S	12	15	78 .000	.079	.046		0 .000	.000	.000		0	24	24	0	0	0	120
601	OVER 2-1/2 CY ELECTRIC	A	18	20	50 .500	.000	.000		0 .000	.000	.000		25	0	0	0	0	0	70
601		S	16	20	65 .650	.000	.000		0 .000	.000	.000		25	0	0	0	0	0	80
TRACTOR, CRAWLER TYPE																			
615	0 THRU 225 HP	A	10	25	70 .000	.000	.041		0 .000	.000	.000		0	0	36	0	0	0	110
615		S	8	25	91 .000	.000	.054		0 .000	.000	.000		0	0	36	0	0	0	120
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	A	10	15	70 .000	.000	.041		0 .000	.000	.000		0	0	28	0	0	0	90
620		S	8	15	91 .000	.000	.054		0 .000	.000	.000		0	0	28	0	0	0	100
625	OVER 425 HP	A	12	15	70 .000	.000	.041		0 .000	.000	.000		0	0	24	0	0	0	90
625		S	10	15	91 .000	.000	.054		0 .000	.000	.000		0	0	24	0	0	0	100
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	A	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
630		S	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	90
645	TRACTOR, WHEEL TYPE	A	10	20	65 .000	.066	.038		0 .000	.000	.000		0	24	28	73	44	0	60
645		S	8	20	85 .000	.086	.050		0 .000	.000	.000		0	24	28	38	21	0	65
650	TRENCHER	A	10	20	65 .000	.066	.038		0 .000	.000	.000		0	28	28	91	68	0	90
650		S	8	20	85 .000	.086	.050		0 .000	.000	.000		0	28	28	77	48	0	100
655	TRAILERS, BOTTOM DUMP AND END DUMP	A	10	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	65
655		S	8	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
660	TRAILERS, FLATBED, LO-BOY AND TILT	A	10	30	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	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	YEAR PURCHASE NEW												1977	1976	1975	1974	1973
	1985	1984	1983	1982	1981	1980	1979	1978	AGE IN YEARS	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
<hr/>			
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

TABLE F-1. Maximum Tire Life.

Bias Ply Tires:

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

Radial Ply Tires:

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

APPENDIX G

EQUIPMENT EXTRAS

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

(1) Crane, Crawler-Mounted.

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

(2) Draqline and Clamshell, Crawler-Mounted.

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

(3) Backhoe and Shovel, Crawler-Mounted.

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

(4) Truck Crane Less than 25 Ton.

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

(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.

