

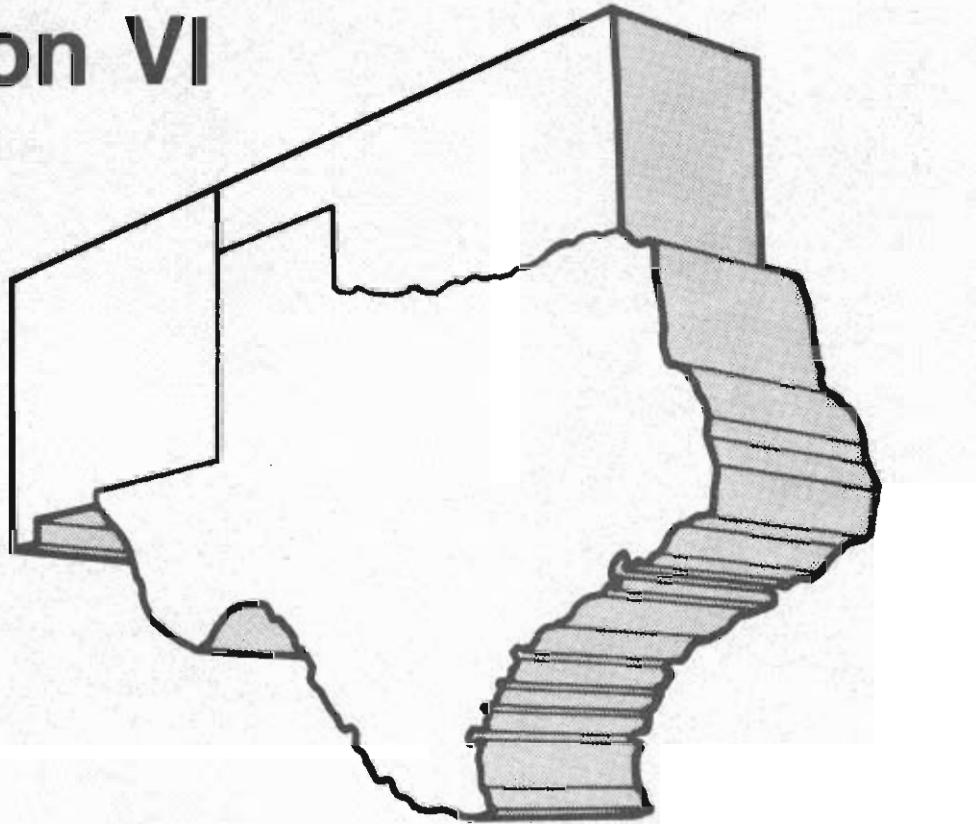


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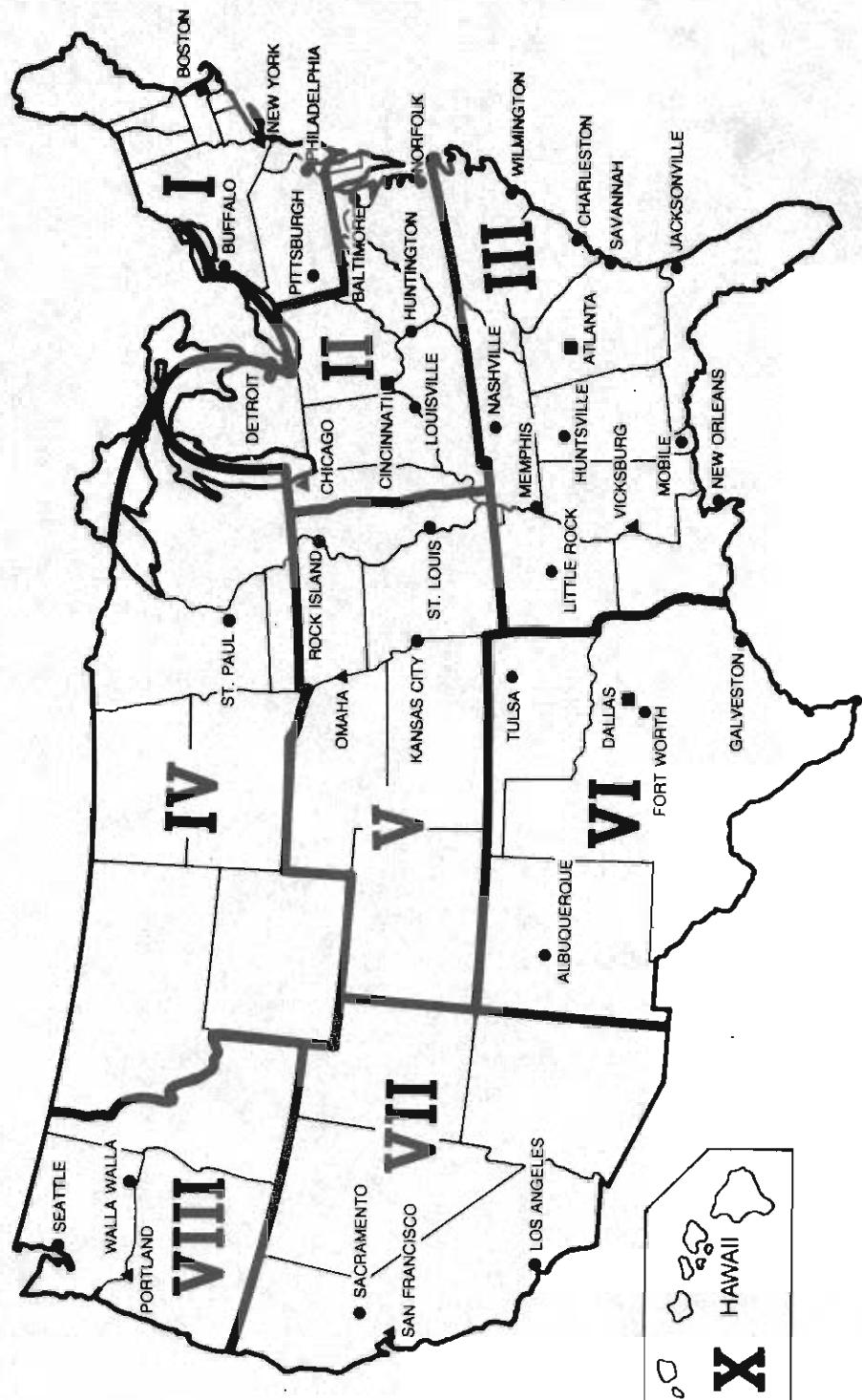
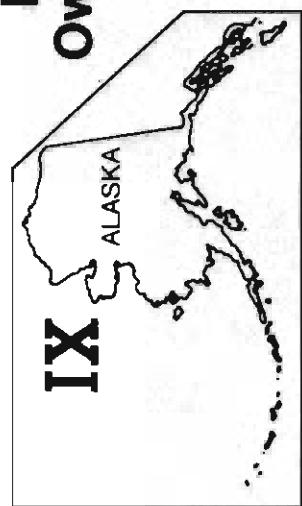
EP 1110-1-8
Volume 6
June 1983

Construction Equipment Ownership and Operating Expense Schedule

Region VI



Regions for the Construction Equipment Ownership and Operating Expense Schedule



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

EP 1110-1-8
Volume 6

Pamphlet
No. 1110-1-8

1 June 1983

Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

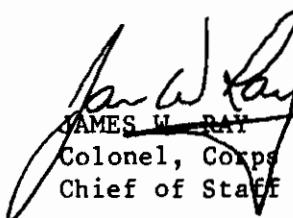
1. Purpose. This pamphlet establishes predetermined equipment ownership and operating expense rates for use in preparation of estimates and in pricing negotiated procurements requiring independent Government estimates.

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

New Mexico
Oklahoma
Texas

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

FOR THE COMMANDER:



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

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

EP 1110-1-8
(Vol. 6)

Engineer Pamphlet
No. 1110-1-8

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CHAPTER 1

INTRODUCTION

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

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

New Mexico
Oklahoma
Texas

1-3. References. See APPENDIX A.

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

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

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

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

CHAPTER 2

METHODOLOGY

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

2-2. Construction Equipment.

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

b. Operating Conditions.

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

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

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

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

(1) Depreciation.

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

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

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

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

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

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

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

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

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

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

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

d. Operating Cost.

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

(2) Fuel Consumption Cost.

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

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

where:

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

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

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

(4) Gasoline wt = 6.1 lbs per gallon

(5) Diesel wt = 7.1 lbs per gallon

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

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

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

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

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

(4) Maintenance and Repair Costs.

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

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

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

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

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

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

(5) Hourly Tire Cost.

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

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

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

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

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

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

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

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

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

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CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET

(EP 1110-1-8)

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 3105

(1) Equipment Description Lorain Truck Crane 50 Ton
 (2) Model and Series MC-550A w/60' Boom
 (3) Year Purchased 1981 (4) Year Manufactured 1981
 (5) Equipment Horsepower 115 (6) Carrier Horsepower 246
 (7) Fuel Type Diesel/Diesel (8) Shipping Weight 111,100 lbs
 (9) Tire Size: Front-400x20 18PR Drive-400x20 18PR Trailing- N/A

b. Key Number from APPENDIX D 225

(1) Condition Average
 (2) Salvage Value % 20 (3) Life 18,000 hrs.
 (4) Equipment Fuel Factor .038 (5) Carrier Fuel Factor .006
 (6) FOG Factor: Gas N/A Diesel .26 Electric N/A
 (7) Tire Wear Factor: Front .97 Drive .78 Trailing N/A
 (8) Repairs Cost Factor .60

2. EQUIPMENT COST

a. List Price Year of Manufacture (including extras) = \$ 319,655.00

(1) Discount: (List Price) x *7.5% *(17.5% for Highway Trucks)

$$= (\$ 319,655.00) \times .075 = (-) \$ 23,974.13$$

(2) Freight: (Shipping Weight) x (Prep. and Del. Rate)
 From 1-a-(8) From APPENDIX B

$$= (111 \text{ cwt.}) \times (\$ 3.76) = (+) \$ 4,177.36$$

b. Subtotal: Summation of Part a. (Use actual cost when available) = \$ 299,858.23

(1) State Sales Tax: (Subtotal) x (Tax Rate)
 From 2-b

$$= (\$ 299,858.23) \times (.04) = (+) \$ 11,994.33$$

c. Equipment Cost: Summation of Part b. (Use actual cost when available)

$$= \$ 311,852.56$$

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)

$$= (\underline{18,720 \text{ Hrs}}) + (\underline{1,700 \text{ Hrs/Yr}}) \quad \underline{10,594 \text{ Yrs.}}$$

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

$$-(\underline{3372}) + (\underline{3009}) = \underline{1121} \text{ (EAF)}$$

5. SALVAGE VALUE FACTOR (S)

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

$$= (\underline{20}) \times (\underline{121}) = \underline{224} \text{ (S)}$$

6. OWNERSHIP COSTS

a. Depreciation:

b. Cost of Facilities Capital (CFC):

$$(1) \frac{[(From) - 1.0] \times [(S_From) + 1.0] + 2.0}{3} + \frac{[(From) \times 2.0]}{3}$$

$$= [((\underline{18.59} \text{ yrs}) - 1.0) \times ((\underline{.224}) + 1.0) + 2.0] + [(\underline{10.59} \text{ yrs}) \times 2.0] = \underline{6486}$$

(2) Equipment Cost From x Average Value Factor x CFC Factor From Para. 1 & (Yr From)
 2-c From 6-b-(1) 2-2.c.(2) APP. B

$$= (\$31185.3) \times (.6486) \times (.09) + (\underline{47000} \text{ Hrs/Yr}) = \$10.71/\text{Hr.}$$

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

-\$ 23.69/Hr.

Figure 2-1. (Continued)

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

7. OPERATING COSTS

a. Fuel Costs:

(1) Equipment: (Equip Fuel Factor) x (H.P. From) x (Fuel Cost)
From 1-b-(4) 1-a-(5) Per Gal.

$$= (\underline{.878}) \times (\underline{115} \text{ HP}) \times (\$ \underline{1.07} / \text{Gal}) = \$ \underline{4.37} / \text{Hr.}$$

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

$$= (\underline{.006}) \times (\underline{246} \text{ HP}) \times (\$ \underline{1.13} / \text{Gal}) = \$ \underline{1.67} / \text{Hr.}$$

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) = \\$ 6.04 / Hr.

b. FOG Costs:

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

$$= (\underline{.26}) \times (\$ \underline{4.37} / \text{Hr}) = \$ \underline{1.14} / \text{Hrs.}$$

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

$$= (\underline{.26}) \times (\$ \underline{1.67} / \text{Hr}) = \$ \underline{0.43} / \text{Hr.}$$

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) = \\$ 1.57 / Hr.

c. Repairs Cost:

(1) Repair Factor:

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

$$= (\underline{.60}) \times (\underline{1.121}) \times (\underline{.92}) = \underline{6188}$$

(2) Hourly Repairs:

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

$$=[(\$ \underline{311,853}) - (\$ \underline{8414})] \times (\underline{6188}) + (\underline{18,000} \text{ Hr}) = \$ \underline{10,43} / \text{Hr.}$$

Figure 2-1. (Continued)

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

d. Tire Wear Costs (Current Price Levels):

$$(1) \text{Front Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Ftr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad \text{Front} \quad \text{F-Tire} \quad \text{Max Tire} \\ 1-b-(7) \quad \text{tbl F-1}$$
$$= 1.5 \times (\underline{\$ 287.2}) + [1.8 \times (\underline{.77}) \times (\underline{5,000 \text{ Hr}})] = \$ \underline{1.50} / \text{Hr.}$$

$$(2) \text{Drive Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Ftr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad \text{Drive} \quad \text{D-Tire} \quad \text{Max Tire} \\ 1-b-(7) \quad \text{tbl F-1}$$
$$= 1.5 \times (\underline{\$ 578.4}) + [1.8 \times (\underline{.78}) \times (\underline{5,000 \text{ Hr}})] = \$ \underline{1.24} / \text{Hr.}$$

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

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

e. Tire Repair Cost: (Tire Wear) x 0.15
Frm 7-d-(4)

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

f. Total Operating Costs: (Sum 7-a thru 7-e) $= \$ \underline{20.04} / \text{Hr.}$

B. TOTAL HOURLY RATES

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

$$(\text{Ownership Costs Frm 6-c}) + (\text{Operating Costs Frm 7-f})$$
$$= (\underline{\$ 23.69 / \text{Hr}}) + (\underline{\$ 20.04 / \text{Hr}}) \quad = \$ \underline{43.73} / \text{Hr.}$$

b. Hourly Rate for Other Work Shifts:

$$(\text{Depreciation}) + [(\text{CFC Frm}) \times 40 + (\text{Work Hrs})] + (\text{Operating Costs}) \\ \text{From 6-a} \quad \text{6-b-(2)} \quad \text{Per Week} \quad \text{Frm 7-f}$$
$$= (\underline{\$ 12.98 / \text{Hr}}) + [(\underline{\$ 10.71 / \text{Hr}}) \times 40 + (\underline{60 \text{ Hr/Wk}})] + (\underline{\$ 20.04 / \text{Hr}}) = \$ \underline{40.16} / \text{Hr.}$$

c. Hourly Standby Rate:

$$(\text{Depreciation}) \times 0.25 + (\text{CFC Frm})$$
$$\text{From 6-a} \quad \text{6-b-(2)}$$
$$= (\underline{\$ 12.98 / \text{Hr}}) \times 0.25 + (\underline{\$ 10.71 / \text{Hr}}) \quad = \$ \underline{13.76} / \text{Hr.}$$

Figure 2-1. (Continued)

2-3. Marine Equipment.

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

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

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

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

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

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

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

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

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

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

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

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

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

CHAPTER 3

RATE SCHEDULE

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

3-2. Hourly Equipment Ownership and Operating Expense.

a. Description.

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

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

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

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

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

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

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

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

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

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

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

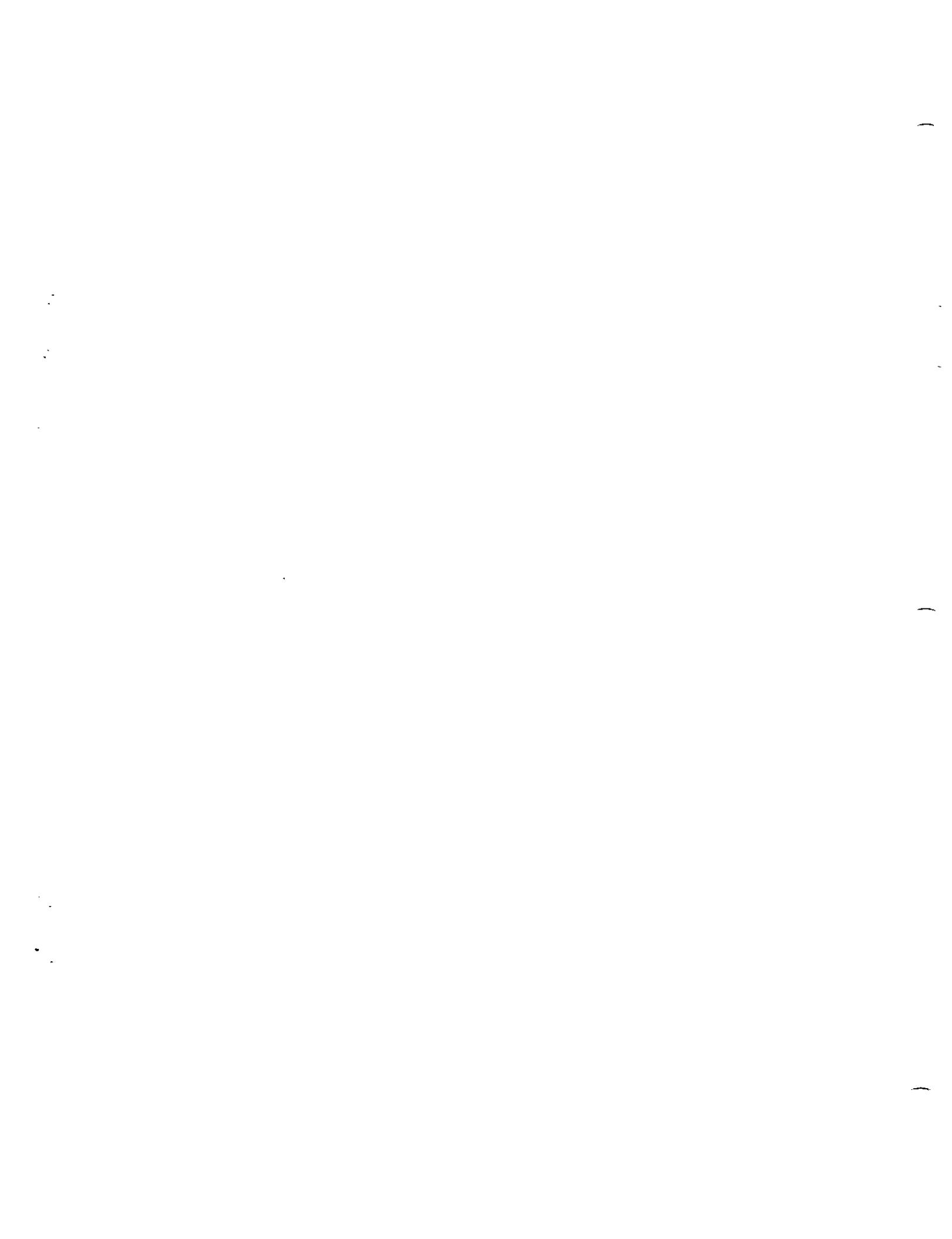


TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	OWNERSHIP	FUEL	OWNERSHIP									
			AVERAGE	SEVERE													
AGGREGATE SPREADER																	
ETNYRE - SELF-PROPELLED																	
1010	SPREAD TO 8" DEPTH & 10' WIDE	187 HP G	47,064	22.65		2.58	5.24	11.16	155								
1015	SPREAD TO 8" DEPTH & 13' WIDE	143 HP D	52,589	15.16		2.89	5.87	4.29	160								
AIR COMPRESSORS, PORTABLE																	
(HOSE NOT INCLUDED)																	
ROTARY SCREW																	
1030	SIZE 85 CFM QUIET 100 PSI	43 HP G	9,033	6.03		0.50	0.98	3.32	21								
1035	SIZE 85 CFM QUIET 100 PSI	38 HP D	10,698	3.79		0.59	1.16	1.44	24								
1040	SIZE 100 CFM QUIET 100 PSI	50 HP G	11,288	7.16		0.62	1.22	3.86	20								
1045	SIZE 100 CFM QUIET 100 PSI	44 HP D	13,539	4.60		0.74	1.46	1.67	26								
1050	SIZE 125 CFM QUIET 100 PSI	70 HP G	13,815	9.65		0.76	1.49	5.41	24								
1055	SIZE 125 CFM QUIET 100 PSI	51 HP D	14,693	5.15		0.81	1.59	1.94	26								
1060	SIZE 150 CFM QUIET 100 PSI	70 HP G	15,078	9.88		0.83	1.63	5.41	26								
1065	SIZE 150 CFM QUIET 100 PSI	69 HP D	17,111	6.47		0.95	1.86	2.62	28								
1070	SIZE 185 CFM QUIET 100 PSI	70 HP G	15,566	9.97		0.86	1.68	5.41	27								
1075	SIZE 185 CFM QUIET 100 PSI	69 IIP D	18,368	6.69		1.01	1.99	2.62	29								
1080	SIZE 275 CFM QUIET 100 PSI	94 HP D	27,357	9.54		1.51	2.96	3.57	55								
1085	SIZE 340 CFM QUIET 100 PSI	103 HP D	33,899	11.20		1.85	3.62	3.91	79								
1090	SIZE 450 CFM QUIET 100 PSI	152 HP D	43,949	15.42		2.40	4.71	5.78	89								
1095	SIZE 600 CFM QUIET 100 PSI	175 HP D	59,305	19.33		3.25	6.38	6.65	97								
1100	SIZE 750 CFM QUIET 100 PSI	228 HP D	68,740	23.63		3.77	7.41	8.66	128								
1105	SIZE 825 CFM QUIET 100 PSI	250 HP D	78,248	26.42		4.29	8.44	9.50	130								
1110	SIZE 900 CFM QUIET 100 PSI	270 HP D	85,727	28.76		4.71	9.26	10.26	148								
1115	SIZE 1000 CFM QUIET 100 PSI	283 HP D	95,789	31.21		5.26	10.35	10.75	186								
1120	SIZE 1200 CFM QUIET 100 PSI	325 HP D	114,631	36.69		6.30	12.40	12.35	196								
1125	SIZE 1600 CFM QUIET 100 PSI	456 HP D	129,613	45.79		7.12	14.01	17.33	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.	OWNER-SHIP	FUEL				
AIR EQUIPMENT ***** (HOSE NOT INCLUDED)												
CLEMCO - SANDBLASTERS												
1140	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,297	0.87		0.11	0.30	0.00		3			
1145	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,423	1.58		0.22	0.57	0.00		5			
1150	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,445	1.59		0.22	0.57	0.00		6			
1155	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	2,716	1.82		0.24	0.64	0.00		7			
1160	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	3,613	2.38		0.33	0.85	0.00		9			
1165	MOD 60-II SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	10,497	6.70		0.92	2.39	0.00		28			
1170	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	12,690	8.01		1.09	2.81	0.00		45			
1175	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	15,775	10.05		1.37	3.54	0.00		53			
GARDNER DENVER - TOOLS												
1185	SPADER SP27E	32CFM A	922	0.64		0.09	0.22	0.00	1			
1190	SINKER DRILL S58	98CFM A	2,025	1.36		0.18	0.47	0.00	1			
1195	PAVING BREAKER B37	41CFM A	946	0.65		0.09	0.22	0.00	1			
1200	PAVING BREAKER B67C	46CFM A	1,015	0.70		0.09	0.24	0.00	1			
1205	PAVING BREAKER B87C	50CFM A	1,103	0.75		0.10	0.26	0.00	1			
1210	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,722	2.44		0.33	0.87	0.00	1			
MASTER - CONCRETE VIBRATORS												
1220	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	1,799	1.73		0.16	0.42	0.00	1			
1225	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,155	1.14		0.11	0.27	0.00	1			
1230	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,037	1.01		0.09	0.24	0.00	1			
1235	CONCRETE VIBR. MOD A-30010 3"	64CFM A	936	0.90		0.09	0.22	0.00	1			
1240	CONCRETE VIBR. MOD A-25010 2.5"	40CFM A	734	0.71		0.07	0.17	0.00	1			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION		STAND-BY	OWNER-SHIP	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE			FUEL	OWNER-SHIP	FUEL						
ASPHALT DISTRIBUTOR - ROSCO															
***** (NO CHASSIS)															
1250	MOD RES 1000 GAL. TRUCK MOUNTED 18,000 TO 24,000 GVW REQUIRED	50 HP G	23,566	9.62		1.29	2.46	3.86		72					
1255	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GVW REQUIRED	50 HP G	24,448	9.80		1.35	2.56	3.86		75					
1260	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GVW REQUIRED	50 HP G	26,225	10.15		1.45	2.75	3.86		87					
1265	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GVW REQUIRED	50 HP G	30,194	10.91		1.66	3.16	3.86		109					
ASPHALT FINISHERS															

SPW=STANDARD PAVING WIDTH															
BARBER-GREENE															
1275	MOD SB111 8' SPW (PNEUMATIC)	70 HP D	80,693	19.79		4.42	8.66	2.66		165					
1280	MOD SB131 10' SPW (PNEUMATIC) W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	95 HP D	117,294	28.61		6.36	12.40	3.61		258					
1285	MOD SB140 10' SPW (PNEUMATIC) OPTIONS SAME AS MOD SB131	130 HP D	134,455	33.84		7.30	14.23	4.94		325					
1290	MOD SA150 10' SPW (CRAWLER) OPTIONS SAME AS MOD SB131	130 HP D	161,905	39.01		8.93	17.67	4.94		375					
BLAW-KNOX															
1300	MOD PF-22 5' SPW (PNEUMATIC)	30 HP D	41,188	9.89		2.23	4.34	1.14		95					
1305	MOD PF-35 6' SPW (PNEUMATIC)	44 HP D	60,130	14.38		3.27	6.40	1.67		104					
1310	MOD PF-115 8' SPW (PNEUMATIC)	58 HP D	81,667	19.47		4.45	8.71	2.20		180					
1315	MOD PF-120H 8' SPW (PNEUMATIC)	87 HP D	98,474	24.44		5.34	10.36	3.31		240					
1320	MOD PF-180H 10' SPW (PNEUMATIC)	107 HP D	114,411	28.71		6.19	12.02	4.07		277					
1325	MOD PF-220 12' SPW (PNEUMATIC)	148 HP D	160,744	40.41		8.65	16.70	5.62		387					
1330	MOD PF-400 10' SPW (CRAWLER)	76 HP D	106,269	25.16		5.86	11.60	2.89		230					
1335	MOD PF-500 10' SPW (CRAWLER)	107 HP D	129,961	31.45		7.16	14.18	4.07		291					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	
ASPHALT KETTLES - ROSCO *****									
1345	MOD KB 110 GAL. TRAILER MOUNTED	3,364	1.68		0.20	0.42	0.00		13
1350	MOD KD 225 GAL. TRAILER MOUNTED	3,908	1.90		0.24	0.49	0.00		16
ASPHALT RECYCLER - BOMAG *****									
1360	MOD AR-6 TRAILER MOUNTED	8 HP G	9,270	4.38		0.56	1.17	0.62	21
BROOMS - M-B *****									
1370	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER		5,347	1.20		0.30	0.58	0.00	24
1375	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	30 HP G	7,161	4.26		0.40	0.78	2.32	30
1380	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		2,444	0.64		0.14	0.27	0.00	10
1385	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		4,099	0.90		0.23	0.45	0.00	14
BRUSH CHIPPERS - FITCHBERG *****									
1395	MOD TWC-612 CAP. TO 6" DIA. LOG 151 HP G	10,315	12.85		0.57	1.16	8.13		40
1400	MOD TWC-915 CAP. TO 9" DIA. LOG 165 HP G	11,851	14.17		0.66	1.34	8.88		42
1405	MOD PT-540 CAP. TO 6" PTO/DRIVE		5,087	1.30		0.28	0.58	0.00	15
BUCKETS, CLAMSHELL *****									
ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1415	.75 C.Y.	8,913	1.65	2.11	0.49	1.01	0.00	1.20	0.00
1420	1.0 C.Y.	10,408	1.92	2.45	0.57	1.18	0.00	1.39	0.00
1425	1.5 C.Y.	15,303	2.83	3.61	0.85	1.74	0.00	2.05	0.00
1430	2.0 C.Y.	17,313	3.21	4.09	0.96	1.97	0.00	2.32	0.00
1435	2.5 C.Y.	22,562	4.18	5.32	1.25	2.57	0.00	3.02	0.00
1440	3.0 C.Y.	23,897	4.43	5.64	1.33	2.72	0.00	3.20	0.00

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

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

ESCO - MODEL GPS GEN PURPOSE & SQUARE NOSE (CONT'D)																			
1445	3.5 C.Y.	24,451	4.53	5.78	1.36	2.78	0.00	3.28	0.00	110									
1450	4.0 C.Y.	26,917	4.97	6.36	1.48	3.05	0.00	3.61	0.00	120									
1455	4.5 C.Y.	29,100	5.38	6.87	1.61	3.30	0.00	3.90	0.00	132									
1460	5.0 C.Y.	31,519	5.83	7.45	1.74	3.58	0.00	4.23	0.00	146									
1465	5.5 C.Y.	34,016	6.30	8.03	1.88	3.87	0.00	4.56	0.00	158									
1470	6.0 C.Y.	35,215	6.52	8.31	1.95	4.00	0.00	4.71	0.00	166									
1475	6.5 C.Y.	38,085	7.05	8.99	2.11	4.33	0.00	5.10	0.00	177									
1480	7.0 C.Y.	39,218	7.26	9.26	2.17	4.46	0.00	5.25	0.00	185									
1485	7.5 C.Y.	40,692	7.54	9.61	2.25	4.63	0.00	5.45	0.00	192									
ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE																			
1495	.75 C.Y.	9,330	1.73	2.20	0.51	1.06	0.00	1.25	0.00	35									
1500	1.0 C.Y.	12,630	2.33	2.98	0.70	1.43	0.00	1.69	0.00	49									
1505	1.5 C.Y.	18,362	3.40	4.34	1.02	2.09	0.00	2.46	0.00	74									
1510	2.0 C.Y.	19,809	3.67	4.68	1.10	2.25	0.00	2.66	0.00	82									
1515	2.5 C.Y.	25,176	4.66	5.94	1.39	2.86	0.00	3.37	0.00	105									
1520	3.0 C.Y.	27,530	5.10	6.50	1.53	3.13	0.00	3.69	0.00	116									
1525	3.5 C.Y.	29,695	5.49	7.01	1.64	3.37	0.00	3.98	0.00	126									
1530	4.0 C.Y.	31,912	5.90	7.53	1.76	3.62	0.00	4.27	0.00	137									
1535	4.5 C.Y.	34,258	6.35	8.09	1.90	3.90	0.00	4.59	0.00	147									
1540	5.0 C.Y.	37,700	6.98	8.90	2.08	4.28	0.00	5.05	0.00	163									
1545	5.5 C.Y.	39,775	7.36	9.39	2.20	4.52	0.00	5.33	0.00	172									
1550	6.0 C.Y.	42,077	7.79	9.94	2.33	4.78	0.00	5.64	0.00	182									
1555	6.5 C.Y.	43,856	8.12	10.35	2.42	4.98	0.00	5.87	0.00	193									
1560	7.0 C.Y.	45,680	8.46	10.79	2.53	5.19	0.00	6.12	0.00	201									
1565	7.5 C.Y.	47,491	8.79	11.21	2.62	5.39	0.00	6.36	0.00	209									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWI			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE FUEL	SEVERE COND.				
BUCKETS, CLAMSHELL (CONT'D)													
ESCO - MODEL XDS													
EXTRA HEAVY DUTY & SQUARE NOSE													
1575	.75 C.Y.	14,154	2.62	3.35	0.79	1.61	0.00	1.90	0.00	52			
1580	1.0 C.Y.	14,435	2.67	3.40	0.80	1.64	0.00	1.93	0.00	58			
1585	1.5 C.Y.	21,446	3.97	5.07	1.19	2.44	0.00	2.88	0.00	85			
1590	2.0 C.Y.	25,940	4.80	6.12	1.44	2.95	0.00	3.47	0.00	103			
1595	2.5 C.Y.	28,945	5.36	6.83	1.60	3.29	0.00	3.87	0.00	119			
1600	3.0 C.Y.	31,435	5.83	7.42	1.74	3.58	0.00	4.21	0.00	135			
1605	3.5 C.Y.	33,051	6.11	7.80	1.82	3.75	0.00	4.42	0.00	149			
1610	4.0 C.Y.	35,008	6.47	8.27	1.93	3.97	0.00	4.69	0.00	158			
1615	4.5 C.Y.	36,663	6.78	8.66	2.02	4.16	0.00	4.92	0.00	168			
1620	5.0 C.Y.	39,317	7.28	9.28	2.18	4.47	0.00	5.26	0.00	181			
1625	5.5 C.Y.	41,625	7.71	9.83	2.30	4.73	0.00	5.58	0.00	193			
1630	6.0 C.Y.	43,758	8.10	10.34	2.42	4.97	0.00	5.87	0.00	203			
1635	6.5 C.Y.	47,408	8.78	11.19	2.62	5.39	0.00	6.35	0.00	220			
1640	7.0 C.Y.	48,830	9.04	11.53	2.70	5.55	0.00	6.54	0.00	230			
1645	7.5 C.Y.	51,144	9.47	12.07	2.83	5.81	0.00	6.85	0.00	241			
BUCKETS, CONCRETE - GAR-BRO													
GENERAL PURPOSE & MANUAL													
1655	433-G 1.0 C.Y.	1,345	0.25		0.08	0.15	0.00			6			
1660	442-G 1.5 C.Y.	1,682	0.31		0.09	0.19	0.00			8			
1665	462-G 2.0 C.Y.	2,189	0.41		0.12	0.25	0.00			11			
1670	493-G 3.0 C.Y.	3,107	0.57		0.17	0.35	0.00			19			
1675	4123-G 4.0 C.Y.	3,931	0.73		0.22	0.45	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	SEVERE	OWNER-SHIP	FUEL					
			AVERAGE	SEVERE										
BUCKETS, CONCRETE - GAR-BRO (CONT'D)														
LOW SLUMP - AIR OPERATED GATE														
1685	440-A 1.0 C.Y.	5,839	1.08			0.32	0.66	0.00		19				
1690	450-A 1.5 C.Y.	6,077	1.12			0.34	0.69	0.00		21				
1695	460-A 2.0 C.Y.	6,308	1.17			0.35	0.72	0.00		23				
1700	493-A 3.0 C.Y.	8,270	1.53			0.46	0.94	0.00		42				
1705	4139-A 4.0 C.Y.	8,588	1.59			0.48	0.98	0.00		52				
1710	4200-A 6.0 C.Y. DBL. COMPT.	12,420	2.31			0.69	1.42	0.00		72				
1715	4250-A 8.0 C.Y. DBL. COMPT.	14,864	2.75			0.82	1.69	0.00		80				
LAYDOWN - HEAVY DUTY - AIR GATE														
1725	425-A 1.0 C.Y.	6,671	1.24			0.37	0.76	0.00		26				
1730	465-A 2.0 C.Y.	7,557	1.40			0.42	0.86	0.00		31				
1735	495-A 3.0 C.Y.	8,626	1.60			0.48	0.98	0.00		40				
1740	4125-A 4.0 C.Y.	9,596	1.78			0.53	1.09	0.00		49				
1745	4155-A 5.0 C.Y.	11,237	2.07			0.62	1.27	0.00		60				
BUCKETS, DRAGLINE														
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED														
1760	.75 C.Y.	2,991	0.55	0.71	0.17	0.34	0.00	0.40	0.00	15				
1765	1.0 C.Y.	3,547	0.66	0.83	0.20	0.41	0.00	0.47	0.00	18				
1770	1.5 C.Y.	4,330	0.81	1.02	0.25	0.50	0.00	0.58	0.00	26				
1775	2.0 C.Y.	5,116	0.95	1.21	0.28	0.58	0.00	0.69	0.00	32				
1780	2.5 C.Y.	6,008	1.12	1.41	0.34	0.69	0.00	0.80	0.00	37				
1785	3.0 C.Y.	7,408	1.38	1.75	0.42	0.85	0.00	0.99	0.00	46				
1790	3.5 C.Y.	8,195	1.52	1.94	0.45	0.93	0.00	1.10	0.00	50				
1795	4.0 C.Y.	9,982	1.85	2.36	0.56	1.14	0.00	1.34	0.00	65				
1800	4.5 C.Y.	10,599	1.96	2.50	0.59	1.20	0.00	1.42	0.00	69				
1805	5.0 C.Y.	12,792	2.37	3.02	0.71	1.46	0.00	1.71	0.00	85				

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	COND.					
			AVERAGE	SEVERE		OWNER-SHIP	COND.	SEVERE COND.	FUEL					
BUCKETS, DRAGLINE (CONT'D)														
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED (CONT'D)														
1810	6.0 C.Y.	13,868	2.57	3.28	0.77	1.58	0.00	1.86	0.00	90				
1815	7.0 C.Y.	15,163	2.80	3.58	0.84	1.72	0.00	2.03	0.00	101				
1820	8.0 C.Y.	16,810	3.11	3.97	0.93	1.91	0.00	2.25	0.00	112				
1825	9.0 C.Y.	19,415	3.60	4.58	1.08	2.21	0.00	2.60	0.00	128				
1830	10.0 C.Y.	21,096	3.91	4.97	1.17	2.40	0.00	2.82	0.00	139				
1835	12.0 C.Y.	25,936	4.80	6.12	1.44	2.95	0.00	3.47	0.00	166				
1840	14.0 C.Y.	29,822	5.52	7.05	1.65	3.39	0.00	4.00	0.00	191				
HENDRIX - MODEL TS, MEDIUM WEIGHT														
1850	.75 C.Y.	3,486	0.64	0.83	0.19	0.39	0.00	0.47	0.00	17				
1855	1.0 C.Y.	4,285	0.79	1.02	0.23	0.48	0.00	0.58	0.00	19				
1860	1.5 C.Y.	5,283	0.98	1.24	0.29	0.60	0.00	0.70	0.00	28				
1865	2.0 C.Y.	6,300	1.17	1.48	0.35	0.72	0.00	0.84	0.00	36				
1870	2.5 C.Y.	7,262	1.34	1.72	0.40	0.82	0.00	0.98	0.00	41				
1875	3.0 C.Y.	8,680	1.61	2.05	0.48	0.99	0.00	1.16	0.00	49				
1880	3.5 C.Y.	9,589	1.78	2.26	0.53	1.09	0.00	1.28	0.00	54				
1885	4.0 C.Y.	11,507	2.13	2.72	0.64	1.31	0.00	1.54	0.00	70				
1890	4.5 C.Y.	12,310	2.28	2.91	0.68	1.40	0.00	1.65	0.00	72				
1895	5.0 C.Y.	15,778	2.93	3.72	0.88	1.80	0.00	2.11	0.00	93				
1900	6.0 C.Y.	16,304	3.02	3.86	0.90	1.85	0.00	2.19	0.00	96				
1905	7.0 C.Y.	18,610	3.45	4.39	1.03	2.12	0.00	2.49	0.00	111				
1910	8.0 C.Y.	20,490	3.78	4.83	1.13	2.32	0.00	2.74	0.00	122				
1915	9.0 C.Y.	24,528	4.54	5.80	1.36	2.79	0.00	3.29	0.00	149				
1920	10.0 C.Y.	26,120	4.84	6.17	1.45	2.97	0.00	3.50	0.00	159				
1925	12.0 C.Y.	33,290	6.16	7.86	1.84	3.78	0.00	4.46	0.00	202				
1930	14.0 C.Y.	37,068	6.86	8.75	2.05	4.21	0.00	4.96	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							
BUCKETS, DRAGLINE (CONT'D)														

HENDRIX - MODEL MH-S, HEAVY WEIGHT														
1940	2.75 C.Y.	13,933	2.58	3.28	0.77	1.58	0.00	1.86	0.00	69				
1945	3.0 C.Y.	14,489	2.69	3.42	0.80	1.65	0.00	1.94	0.00	72				
1950	3.5 C.Y.	16,222	3.00	3.84	0.90	1.84	0.00	2.18	0.00	81				
1955	4.0 C.Y.	21,697	4.02	5.13	1.20	2.47	0.00	2.91	0.00	110				
1960	4.5 C.Y.	24,258	4.49	5.73	1.34	2.76	0.00	3.25	0.00	123				
1965	5.0 C.Y.	25,049	4.64	5.92	1.39	2.85	0.00	3.36	0.00	127				
1970	6.0 C.Y.	26,822	4.97	6.34	1.48	3.05	0.00	3.60	0.00	136				
1975	7.0 C.Y.	34,100	6.31	8.05	1.88	3.87	0.00	4.57	0.00	175				
1980	8.0 C.Y.	35,073	6.50	8.28	1.94	3.99	0.00	4.70	0.00	180				
1985	9.0 C.Y.	44,602	8.26	10.54	2.47	5.07	0.00	5.98	0.00	234				
1990	10.0 C.Y.	46,316	8.57	10.93	2.56	5.26	0.00	6.20	0.00	243				
1995	12.0 C.Y.	55,087	10.20	13.01	3.04	6.26	0.00	7.38	0.00	289				
2000	14.0 C.Y.	58,730	10.88	13.87	3.25	6.68	0.00	7.87	0.00	309				
SAUERMAN - CRESCENT SCRAPER														
WITH DRAGLINE CONVERSION KIT														
2010	SC-1050-K 1.0 C.Y.	9,509	1.76	2.24	0.53	1.08	0.00	1.27	0.00	15				
2015	SC-1060-K 1.5 C.Y.	12,177	2.26	2.87	0.68	1.39	0.00	1.63	0.00	20				
2020	SC-1070-K 2.0 C.Y.	16,695	3.09	3.94	0.93	1.90	0.00	2.23	0.00	25				
2025	SC-1090-K 3.0 C.Y.	22,078	4.09	5.21	1.22	2.51	0.00	2.96	0.00	36				
2030	SC-1100-K 4.0 C.Y.	33,010	6.11	7.79	1.82	3.75	0.00	4.42	0.00	49				
2035	SC-1110-K 5.0 C.Y.	37,636	6.97	8.88	2.08	4.28	0.00	5.04	0.00	58				
2040	SC-1120-K 6.0 C.Y.	45,619	8.45	10.78	2.53	5.19	0.00	6.12	0.00	68				
2045	SC-1130-K 8.0 C.Y.	55,416	10.26	13.09	3.07	6.30	0.00	7.43	0.00	88				
2050	SC-1140-K 10.0 C.Y.	67,238	12.45	15.88	3.72	7.64	0.00	9.01	0.00	106				
2055	SC-1150-K 12.0 C.Y.	77,990	14.45	18.41	4.32	8.87	0.00	10.44	0.00	132				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	OWNER-SHIP	FUEL	OWNER-SHIP	
COMPACTORS, MANUALLY OPERATED									
2065	UR-12 INGERSOLL-RAND RAMMER	3 HP G	1,536	0.93		0.11	0.26	0.32	1
2070	GVR75Y WACKER RAMMER	3 HP G	1,209	0.82		0.09	0.21	0.32	1
2075	GVR100 WACKER RAMMER	5 HP G	1,642	1.22		0.11	0.27	0.53	1
2080	GVR151Y WACKER RAMMER	5 HP G	2,124	1.38		0.15	0.35	0.53	2
2085	GVR220Y WACKER RAMMER	6 HP G	2,745	1.73		0.20	0.46	0.64	2
2090	VPG160B WACKER VIBRO PLATE	3 HP G	1,061	0.76		0.08	0.18	0.32	2
2095	VPG260K WACKER VIBRO PLATE	7 HP G	1,662	1.49		0.11	0.27	0.75	3
2100	VPG600 WACKER VIBRO PLATE	9 HP G	3,123	2.25		0.22	0.52	0.96	7
2105	DPS2350 WACKER VIBRO PLATE	7 HP D	3,306	1.59		0.24	0.56	0.37	4
2110	DPS4570 WACKER VIBRO PLATE	10 HP D	5,304	2.46		0.37	0.88	0.53	8
2115	DVU4001 WACKER VIBRO PLATE	10 HP D	10,858	4.37		0.77	1.82	0.53	13
2120	W 55 T WACKER D/D ROLLER	8 HP D	10,441	4.08		0.74	1.75	0.42	17
2125	W 74 T WACKER D/D ROLLER	8 HP D	11,782	4.54		0.83	1.97	0.42	19
2130	BW 75 SL BOMAG D/D ROLLER	9 HP D	13,268	5.12		0.94	2.22	0.48	27
2135	BW 90 SL BOMAG D/D ROLLER	13 HP D	16,128	6.36		1.14	2.70	0.69	35
CONCRETE BUGGIES - AEROIL									
2145	5 CF WALK-BEHIND	5 HP G	1,433	0.83		0.08	0.16	0.42	3
CONCRETE FINISHERS - BOMAG									
2155	MOD F46B4 GYRO TROWEL	7 HP G	1,354	1.04		0.08	0.16	0.58	2
2160	MOD RF2B4 DOUBLTROWEL	16 HP G	5,343	2.80		0.29	0.60	1.33	7
2165	MOD RF3B3 TRIPLTROWEL	16 HP G	6,889	3.11		0.38	0.78	1.33	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.	OWNER-SHIP	FUEL				
CONCRETE PAVERS												

CMI												
2175	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANES, AND SIDEWALKS	142 HP D	122,340	31.61	6.74	13.35	5.40		263			
2180	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP D	217,217	53.96	11.97	23.70	7.90		470			
2185	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	383,767	89.64	21.16	41.88	9.50		720			
GOMACO												
2195	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	50 HP G	24,176	9.99	1.33	2.62	3.86		91			
2200	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	111,461	27.36	6.15	12.16	3.80		240			
CONCRETE PLACERS, SHOTCRETE												

ALLENTOWN												
2210	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP D	22,036	6.35	1.34	2.91	0.67		45			
2215	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP D	24,506	7.55	1.49	3.26	1.12		60			
2220	GM27 ROTARY GUN 1-4 CY/HR INCL. HOSE, REQ. 400 CFM COMP.	400CFM A	9,132	2.47	0.56	1.23	0.00		15			
2225	GM57 ROTARY GUN 4-12 CY/HR INCL. HOSE, REQ. 600 CFM COMP.	600CFM A	14,665	3.94	0.90	1.96	0.00		30			
CHALLENGE SQUEEZ-CRETE												
2235	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP D	42,840	15.12	2.61	5.72	3.47		70			

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 PUMPS														
MORGEN														
2245	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	50,474	20.47			3.08	6.75	6.16		70				
2250	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	128,623	49.14			7.82	17.09	13.29		255				
SCHWING														
2260	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	44,676	15.93			2.72	5.96	3.75		66				
2265	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	69,894	28.31			4.25	9.27	8.51		98				
2270	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	71,818	28.80			4.36	9.53	8.51		98				
2275	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	136,104	48.23			8.23	17.91	11.07		302				
2280	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	198,291	63.75			12.02	26.19	11.07		321				
2285	MOD BPL1201 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	247,373	81.31			14.95	32.53	15.12		408				
2290	MOD BPL3000 TRUCK MTD 118 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	250,259	82.03			15.13	32.92	15.12		408				
CRANES, SHOVEL, BACKHOE, DRAGLINE														
AMERICAN - CRAWLER TYPE														
	MOD 4120 DRAGLINE 1 CY 93 HP D 13'-7" CRAWLERS W/28" SHOES													
2300	DRAGLINE OR CLAMSHELL (LESS BUCKET)	168,319	30.23	37.15	8.66	16.82	2.79	19.10	3.53	635				
	MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES													
2305	DRAGLINE OR CLAMSHELL (LESS BUCKET)	230,062	36.58	43.33	10.97	19.89	3.42	21.80	4.33	814				
2310	CRANE 35-T W/65' BOOM	237,230	32.94	38.17	11.40	19.93	2.74	21.77	3.53	803				
	MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES													
2320	CRANE 40-T W/75' BOOM	251,134	34.69	40.17	12.06	21.10	2.74	23.05	3.53	962				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	SEVERE	STAND-BY	AVERAGE COND.	SEVERE COND.			
						OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	AMERICAN - CRAWLER TYPE (CONT'D)									
	MOD 5299-A LIFTING CRANE T/C 114 HP D 17'-6" CRAWLERS W/32" SHOES									
2330	CRANE 50-T W/75' BOOM	265,629	36.50	42.23	12.76	22.32	2.74	24.37	3.53	1088
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2340	DRAGLINE OR CLAMSHELL (LESS BUCKET)	320,308	51.25	60.75	15.26	27.69	5.04	30.36	6.38	1278
2345	CRANE 40-T W/75' BOOM	313,764	44.07	51.10	15.08	26.37	4.03	28.78	5.21	1262
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2355	CRANE 60-T W/80' BOOM	334,397	43.47	49.36	15.27	25.30	4.03	27.05	5.21	1421
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES									
2365	CRANE 100T W/200' BOOM	425,626	54.04	61.15	19.45	32.21	4.03	34.43	5.21	1886
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2375	CRANE 110-T W/200' BOOM	559,868	72.95	82.86	25.58	42.37	6.89	45.30	8.90	2792
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2385	CRANE 125T W/270' BOOM	584,366	75.78	86.02	26.69	44.22	6.89	47.28	8.90	3150
2390	DRAGLINE OR CLAMSHELL (LESS BUCKET)	560,298	82.43	95.52	25.28	43.39	8.61	46.55	10.91	2950
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES									
2400	CRANE 150T W/280' BOOM	663,500	84.94	96.25	30.31	50.21	6.89	53.68	8.90	3400
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES									
2410	CRANE 165T W/290' BOOM	690,322	85.96	96.35	30.72	49.36	6.89	52.24	8.90	3580

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) *****									
	AMERICAN - CRAWLER TYPE (CONT'D)									
2420	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES	746,545	92.30	103.35	33.23	53.38	6.89	56.50	8.90	3990
	BUCYRUS ERIE - CRAWLER TYPE									
2435	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES	176,607	32.35	39.77	9.10	17.66	3.45	20.04	4.37	647
2440	CRANE 28-T W/50' BOOM	186,762	26.65	30.96	8.97	15.69	2.76	17.13	3.56	651
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES									
2450	BACKHOE	243,864	44.53	54.26	12.20	23.11	5.04	25.88	6.62	792
2455	DRAGLINE OR CLAMSHELL (LESS BUCKET)	239,574	38.98	46.26	11.42	20.71	4.32	22.71	5.47	833
2460	CRANE 35-T W/60' BOOM	240,750	34.24	39.76	11.57	20.23	3.46	22.09	4.46	831
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES									
2470	SHOVEL	340,296	61.19	74.48	17.02	32.25	6.23	36.11	8.19	1279
2475	DRAGLINE OR CLAMSHELL (LESS BUCKET)	345,932	55.22	65.46	16.48	29.90	5.34	32.79	6.76	1192
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES									
2485	SHOVEL	493,476	78.08	92.04	23.05	41.00	7.17	44.57	9.43	1762
2490	BACKHOE	472,508	75.11	88.61	22.07	39.25	7.17	42.68	9.43	1727
2495	DRAGLINE OR CLAMSHELL (LESS BUCKET)	477,776	68.89	79.67	21.56	37.00	6.15	39.69	7.79	1570
2500	CRANE 51-T W/70' BOOM	470,251	60.25	68.27	21.48	35.59	4.92	38.05	6.35	1571
	MOD 61-B SER-2 110-T 4 CY T/C 243 HP D 20'-6" CRAWLERS W/42" SHOES									
2510	CRANE 110T W/160' BOOM	585,170	74.62	84.51	26.73	44.28	5.83	47.34	7.53	2123
2515	DRAGLINE OR CLAMSHELL (LESS BUCKET)	558,660	80.67	93.30	25.21	43.27	7.29	46.41	9.23	1973

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)									
	BUZYRUS ERIE - CRAWLER TYPE (CONT'D)									
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2525	SHOVEL	597,326	94.43	111.30	27.90	49.63	8.61	53.95	11.32	2096
2530	BACKHOE	565,507	89.94	106.08	26.42	46.98	8.61	51.07	11.32	2000
2535	DRAGLINE OR CLAMSHELL (LESS BUCKET)	549,768	79.63	92.13	24.81	42.58	7.38	45.67	9.35	1768
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES									
2545	SHOVEL	833,526	132.15	148.14	37.61	64.56	12.77	69.25	16.79	2822
2550	DRAGLINE OR CLAMSHELL (LESS BUCKET)	673,163	95.75	109.72	29.96	48.13	10.95	50.94	13.87	2274
	LINK BELT (FMC) - CRAWLER TYPE									
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/24" SHOES									
2565	CRANE 40-T W/50' BOOM	182,481	25.99	30.17	8.77	15.34	2.64	16.74	3.41	772
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES									
2575	CRANE 60-T W/80' BOOM	278,485	36.92	42.02	12.73	21.08	3.96	22.53	5.11	1232
	MOD LS-338 LIFTING CRANE T/C 170 HP D 20'-0" CRAWLERS W/36" SHOES									
2585	CRANE 100-T W/200' BOOM	383,905	49.25	55.83	17.54	29.05	4.08	31.06	5.27	1512
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W/44" SHOES									
2595	CRANE 150-T W/250' BOOM	613,163	77.92	88.20	28.01	46.40	5.88	49.61	7.59	2712
	MANITOWOC - CRAWLER TYPE									
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/36" SHOES									
2610	DRAGLINE OR CLAMSHELL (LESS BUCKET)	401,307	61.93	72.07	18.11	31.08	8.61	33.34	10.91	2306
2615	CRANE 100T W/210' BOOM	434,534	58.44	66.65	19.86	32.89	6.89	35.15	8.90	2354

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) *****										
	MANITOWOC - CRAWLER TYPE (CONT'D)										
	MOD 3900W VICON SER2 4 CY T/C 333 HP D 24'-0" CRAWLERS W/48" SHOES										
2625	DRAGLINE OR CLAMSHELL (LESS BUCKET)	511,068	77.72	90.32	23.06	39.58	9.99	42.46	12.65	2763	
2630	CRANE 140T W/250' BOOM	517,616	69.35	79.08	23.65	39.17	7.99	41.88	10.32	2815	
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES										
2640	DRAGLINE OR CLAMSHELL (LESS BUCKET)	679,752	100.42	116.41	30.67	52.64	10.80	56.47	13.68	3788	
2645	CRANE 200T W/260' BOOM	687,941	87.76	98.72	30.62	49.19	8.64	52.06	11.16	3929	
	MOD 4600 VICON SERIES 3 7CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES										
2655	CRANE 240T W/260' BOOM	1,057,854	138.66	156.60	47.08	75.63	16.44	80.05	21.23	5095	
2660	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,077,749	156.87	180.18	47.97	77.06	20.55	81.56	26.03	5083	
	NORTHWEST - CRAWLER TYPE										
	MOD 50-D 1.5 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES										
2675	DRAGLINE OR CLAMSHELL (LESS BUCKET)	240,074	42.39	50.56	11.45	20.76	7.14	22.75	9.04	954	
2680	CRANE 45-T W/60' BOOM	237,388	36.48	42.73	11.41	19.95	5.71	21.78	7.38	947	
	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES										
2690	SHOVEL	404,223	74.82	91.27	20.21	38.31	9.20	42.89	12.10	1510	
2695	DRAGLINE OR CLAMSHELL (LESS BUCKET)	346,856	58.37	69.42	16.54	29.99	7.89	32.87	9.99	1274	
2700	CRANE 40-T W/50' BOOM	343,139	50.44	58.79	16.49	28.84	6.31	31.48	8.15	1267	
	MOD 9570 4.0 CY T/C 263 HP D 19'-0" CRAWLERS W/38" SHOES										
2710	DRAGLINE OR CLAMSHELL (LESS BUCKET)	433,434	65.22	75.73	19.56	33.57	7.89	36.01	9.99	1580	
2715	CRANE 60-T W/50' BOOM	429,689	57.19	65.15	19.63	32.51	6.31	34.76	8.15	1565	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL					
			AVERAGE	SEVERE										
CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) *****														
NORTHWEST - CRAWLER TYPE (CONT'D)														
MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES														
2725	SHOVEL	668,861	109.14	129.10	31.24	55.56	12.53	60.41	16.47	2571				
2730	DRAGLINE OR CLAMSHELL (LESS BUCKET)	602,756	90.42	104.97	27.20	46.68	10.74	50.08	13.60	2365				
2735	CRANE 97.5-T W/170' BOOM	624,092	82.39	93.75	28.51	47.23	8.59	50.49	11.10	2464				
MOD 190-D WT SERIES 2 T/C 430 HP D 21'-1" CRAWLERS W/54" SHOES														
2745	DRAGLINE 6.5 CY (LESS BUCKET)	635,419	93.41	107.40	28.28	45.43	12.90	48.09	16.34	2740				
2750	CRANE 100-T W/170' BOOM	675,379	90.37	103.01	30.85	51.11	10.32	54.64	13.33	2872				
P & H - CRAWLER TYPE														
MOD 535 1.25 CY T/C 190 HP D 15'-8" CRAWLERS W/30" SHOES														
2765	DRAGLINE OR CLAMSHELL (LESS BUCKET)	224,485	38.48	45.82	10.70	19.41	5.70	21.28	7.22	880				
2770	CRANE 35-T W/50' BOOM	221,478	33.12	38.69	10.64	18.61	4.56	20.32	5.89	880				
MOD 550 1.75 CY T/C 190 HP D 18'-0" CRAWLERS W/30" SHOES														
2780	DRAGLINE (LESS BUCKET)	255,674	42.89	51.00	12.19	22.10	5.70	24.23	7.22	1028				
2785	CRANE 50-T W/80' BOOM	253,000	37.07	43.20	12.16	21.26	4.56	23.21	5.89	1028				
MOD 670WLC 2 CY T/C 190 HP D 18'-6" CRAWLERS W/30" SHOES														
2795	DRAGLINE OR CLAMSHELL (LESS BUCKET)	327,994	53.13	63.02	15.63	28.36	5.70	31.09	7.22	1344				
2800	CRANE 70-T W/150' BOOM	346,282	45.47	51.70	15.82	26.21	4.56	28.02	5.89	1466				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP										
			AVERAGE	SEVERE													
CRANES, HYDRAULIC SELF-PROPELLED																	
GROVE																	
2815	MOD RT58A	14 TON 112 HP D	97,352	18.33	4.54	7.66	4.26		407								
2820	MOD RT515	15 TON 115 HP D	105,215	19.46	4.91	8.29	4.37		415								
2825	MOD RT518	18 TON 115 HP D	118,895	21.52	5.52	9.27	4.37		448								
2830	MOD RT522	22 TON 115 HP D	130,181	22.97	6.05	10.17	4.37		494								
2835	MOD RT625	25 TON 156 HP D	169,761	29.62	7.90	13.29	5.93		545								
2840	MOD RT740	40 TON 170 HP D	237,341	40.14	11.01	18.48	6.46		755								
2845	MOD RT755	55 TON 170 HP D	283,342	46.55	13.13	21.99	6.46		835								
2850	MOD RT865	65 TON 208 HP D	348,828	56.56	16.23	27.31	7.90		1095								
2855	MOD RT980	80 TON 230 HP D	450,370	71.60	20.90	35.09	8.74		1310								
LORAIN																	
2865	MOD LRT150	15 TON 120 HP D	102,691	19.17	4.81	8.17	4.56		438								
2870	MOD LRT180	18 TON 120 HP D	110,612	20.16	5.18	8.80	4.56		450								
2875	MOD LRT220	22 TON 120 HP D	118,327	21.13	5.55	9.43	4.56		468								
P & H																	
2885	MOD OMEGA 15	15 TON 125 HP D	100,250	19.10	4.69	7.97	4.75		361								
2890	MOD OMEGA 18	18 TON 125 HP D	105,008	19.69	4.92	8.35	4.75		366								
2895	MOD OMEGA 20	20 TON 125 HP D	108,687	20.16	5.09	8.65	4.75		375								
2900	MOD OMEGA 23	23 TON 125 HP D	123,753	22.41	5.77	9.74	4.75		425								
2905	MOD OMEGA 25	25 TON 155 HP D	158,470	29.05	7.33	12.26	5.89		540								
2910	MOD OMEGA 30	30 TON 155 HP D	163,171	29.64	7.56	12.64	5.89		550								
2915	MOD OMEGA 35	35 TON 202 HP D	226,361	40.32	10.50	17.60	7.68		740								
2920	MOD OMEGA 40	40 TON 202 HP D	233,775	41.26	10.85	18.20	7.68		760								
2925	MOD OMEGA 45	45 TON 202 HP D	240,505	42.10	11.17	18.74	7.68		770								
2930	MOD OMEGA 65	65 TON 235 HP D	320,729	54.34	14.90	25.04	8.93		980								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CRANES, HYD SELF-PROPELLED (CONT'D)														
PETTIBONE														
2940	MOD 25	12.5 TON	120 HP D	101,745	19.04	4.76	8.08	4.56		456				
2945	MOD 36P	18 TON	120 HP D	117,127	21.34	5.46	9.21	4.56		492				
2950	MOD 100SC	50 TON	188 HP D	265,346	44.54	12.34	20.75	7.14		1050				
CRANES, HYDRAULIC TRUCK MOUNTED														
(HP & FUEL LISTED EQUIP/CARRIER)														
BUCYRUS ERIE														
2960	30-XC	30 TON W/80' BOOM	130/210 HP D/D	183,789	29.10	33.92	8.24	14.02	6.36	15.03				
2965	60-XC	60 TON W/104' BOOM	197/238 HP D/D	323,326	48.34	56.09	14.52	24.76	9.10	26.54				
GROVE														
2975	TMS185	18 TON W/106' BOOM	172 HP D	178,537	29.73	35.44	8.54	14.84	6.54	16.18				
2980	TMS300	35 TON W/112' BOOM	203 HP D	207,858	33.65	39.64	9.31	15.83	7.71	16.97				
2985	TMS475	50 TON W/142' BOOM	213 HP D	263,653	40.37	47.24	11.83	20.15	8.09	21.60				
2990	TM875	80 TON W/146' BOOM	196/268 HP D/D	384,083	55.46	63.71	16.69	27.39	9.27	29.04				
2995	TM1150	115 TON W/172' BOOM	196/315 HP D/D	591,162	78.43	89.11	25.77	42.49	9.58	45.08				
3000	TM1400	140 TON W/173' BOOM	318/387 HP D/D	694,480	95.12	108.15	29.55	47.38	14.71	49.87				
LINK BELT (FMC)														
3010	HTC-25	25 TON W/95' BOOM	216 HP D	175,317	31.50	37.88	8.37	14.53	8.21	15.86				
3015	HTC-35	35 TON W/108' BOOM	216 HP D	205,893	33.86	39.97	9.24	15.76	8.21	16.89				
3020	HTC-50	50 TON W/122' BOOM	244 HP D	251,158	40.36	47.49	11.28	19.22	9.27	20.61				
PETTIBONE														
3030	50TKLSPC 25 TON W/95' BOOM	210 HP D	179,447	31.65	37.96	8.58	14.90	7.98	16.26	10.50				
3035	80TKLS 40 TON W/112' BOOM	244 HP D	229,065	37.96	44.83	10.28	17.49	9.27	18.74	12.20				
3040	100TKLSPC50 TON W/111' BOOM	244 HP D	255,206	40.87	48.11	11.45	19.51	9.27	20.92	12.20				
3045	160TKLSPC80 TON W/118' BOOM	365 HP D	405,866	63.63	74.30	17.64	28.97	13.87	30.73	18.25				
										1395				

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

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

(HP & FUEL LISTED EQUIP/CARRIER)														
AMERICAN														
3055	5470	65 TON W/170' BOOM	115/238 HP D/D	323,700	44.98	51.65	14.49	24.61	5.98	26.37	7.63	1175		
3060	5530	75 TON W/170' BOOM	115/238 HP D/D	331,276	44.92	51.13	14.42	23.74	5.98	25.19	7.63	1245		
3065	7460	90 TON W/200' BOOM	203/238 HP D/D	412,717	58.02	66.48	17.99	29.68	9.33	31.49	12.03	1503		
3070	7530	125 TON W/200' BOOM	203/350 HP D/D	462,128	64.72	74.01	20.13	33.17	10.09	35.19	12.92	1696		
3075	8460	165 TON W/200' BOOM	268/350 HP D/D	663,439	88.30	99.98	28.28	45.46	12.56	47.86	16.17	2320		
LINK BELT (FMC)														
3085	HC108C	50 TON W/150' BOOM	110/238 HP D/D	317,960	44.09	50.61	14.23	24.16	5.79	25.89	7.38	1197		
3090	HC218A	100 TON W/220' BOOM	165/318 HP D/D	440,981	60.88	69.46	19.16	31.45	8.43	33.35	10.77	1566		
3095	HC238A	140 TON W/230' BOOM	171/318 HP D/D	527,057	68.82	77.63	22.44	36.01	8.65	37.91	11.07	2068		
LORAIN														
3105	MC550A	50 TON W/160' BOOM	115/246 HP D/D	311,853	43.71	50.26	13.95	23.68	6.04	25.39	7.70	1111		
3110	MC670A	70 TON W/170' BOOM	150/290 HP D/D	355,784	49.71	56.81	15.50	25.53	7.67	27.09	9.79	1243		
3115	MC790	90 TON W/220' BOOM	220/290 HP D/D	440,773	63.25	72.63	19.15	31.43	10.33	33.34	13.29	1594		
3120	MC1400	140 TON W/230' BOOM	220/290 HP D/D	529,698	72.06	81.79	22.48	35.92	10.33	37.80	13.29	1950		
P & H														
3130	325TC	25 TON W/110' BOOM	83/190 HP D/D	210,021	30.92	36.15	10.04	17.43	4.44	19.02	5.65	645		
3135	430ATC	35 TON W/150' BOOM	90/210 HP D/D	237,163	33.19	38.13	10.64	18.15	4.84	19.46	6.16	763		
3140	440TC	40 TON W/170' BOOM	90/228 HP D/D	259,763	36.05	41.34	11.65	19.84	4.97	21.26	6.30	964		
3145	650ATC	50 TON W/150' BOOM	135/236 HP D/D	342,326	48.00	55.22	15.33	26.05	6.73	27.91	8.62	1178		
3150	670TC	70 TON W/180' BOOM	135/255 HP D/D	378,818	51.21	58.29	16.51	27.21	6.86	28.87	8.77	1340		
3155	790BTC	90 TON W/200' BOOM	160/350 HP D/D	423,829	58.47	66.69	18.45	30.37	8.45	32.23	10.77	1606		
3160	9115	125 TON W/220' BOOM	179/350 HP D/D	525,451	70.47	80.13	22.90	37.79	9.17	40.10	11.72	1709		
3165	9150	150 TON W/270' BOOM	210/350 HP D/D	570,733	75.62	85.50	24.31	39.04	10.35	41.09	13.27	1805		
3170	6250TC	300 TON W/320' BOOM	364/450 HP D/D	1,168,148	148.61	167.22	49.82	80.13	16.88	84.35	21.76	3928		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	AVERAGE COND.	SEVERE COND.						
					OWNER-SHIP	FUEL	OWNER-SHIP	FUEL						
DRILLS, BLAST HOLE, CRAWLER MTD														

GARDNER DENVER														
3180	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	65,544	13.87		3.63	7.43	0.00		91					
3185	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	60,121	12.89		3.32	6.81	0.00		93					
3190	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	68,494	14.79		3.79	7.76	0.00		95					
3195	AT3700A/PR66 ANGLE DRILL 4.0" HOLE 12' FEED	900CFM A	80,789	17.33		4.46	9.15	0.00		146				
3200	ATD5100/PR80H ANGLE DRILL 4.5" HOLE 20' FEED	1200CFM A	89,732	19.33		4.96	10.17	0.00		200				
INGERSOLL-RAND														
3210	ECM350/VL140 4.0" HOLE 12' FEED 750CFM A	73,980	15.75		4.09	8.39	0.00		129					
3215	ECM350/VL671 4.5" HOLE 12' FEED 900CFM A	80,683	17.29		4.46	9.15	0.00		131					
3220	CM2000/VL170 5.0" HOLE 24' FEED 1400CFM A	91,583	19.88		5.06	10.38	0.00		170					
JOY														
3230	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	66,081	14.17		3.65	7.48	0.00		100					
3235	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	75,009	16.04		4.15	8.51	0.00		144					
3240	MUSTANG VCR280 5" HOLE 23' FEED 1200CFM A	91,638	19.71		5.06	10.38	0.00		184					
DRILLS, CORE, AIR, COLUMN MOUNTED														

3250	LONGYEAR 24 WOLVERINE AX 700' EX 600' 450CFM A	16,171	3.63		0.89	1.83	0.00		12					
3255	LONGYEAR 65D EX 600' 400CFM A	10,393	2.43		0.57	1.17	0.00		3					
3260	65D ROD PULLER 21" STROKE 400CFM A	1,546	0.55		0.09	0.18	0.00		1					
DRILLS, CORE, SKID MOUNTED														

ACKER														
3270	TEREDO MARK-II NX 1000' MAX 44 HP D	24,387	7.62		1.35	2.77	2.07		40					
3275	ACE MODEL C NX 725' MAX 20 HP D	16,992	4.69		0.94	1.93	0.94		45					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
DRILLS, CORE, SKID MOUNTED (CONT'D)												
LONGYEAR												
3285	MOD 24 STD AX 675' MAX	12 HP G	15,395	4.50		0.85	1.74	1.14		17		
3290	MOD 34 NX 1000' MAX	31 HP G	23,400	8.25		1.29	2.65	2.94		38		
3295	MOD 34 NX 1000' MAX	40 HP D	27,900	8.10		1.54	3.16	1.88		39		
3300	MOD 38 NX 1800' MAX	54 HP D	32,106	9.79		1.77	3.64	2.54		41		
3305	MOD 44 NX 2500' MAX	60 HP D	38,514	11.46		2.13	4.36	2.82		56		
SPRAGUE AND HENWOOD												
3315	MOD 37-H NX 400' MAX	18 HP G	14,671	5.02		0.82	1.67	1.71		18		
3320	MOD 40-CL NX 1050' MAX	49 HP D	22,674	7.54		1.25	2.57	2.30		27		
DRILLS, ROTARY												
INGERSOLL-RAND												
3330	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	287,108	61.48		13.63	24.56	14.29		550		
JOY-ROBBINS												
3340	RRT 35 TK MTD 6-1/4" TO 7-7/8"	225 HP D	268,955	54.15		12.76	22.98	10.57		600		
3345	RRT 50 TK MTD 6-3/4" TO 9-0"	335 HP D	411,183	82.07		19.52	35.18	15.74		860		
3350	RRT 60 TK MTD 6-3/4" TO 9-7/8"	350 HP D	437,381	86.85		20.77	37.44	16.45		960		
3355	RR10S CRLR MTD 6-3/4" TO 9-0"	410 HP D	312,240	70.33		14.89	26.97	19.27		1160		
3360	RR10HD ON D9 6-3/4" TO 10-5/8"	410 HP D	345,067	75.22		16.45	29.81	19.27		1340		
3365	RR10XHD ON D9 9-7/8" TO 12-1/4"	410 HP D	521,492	86.29		22.88	38.01	19.27		1830		
3370	RR12E CRLR MTD 9-0" TO 12-1"	725/450 HP E/E	964,620	149.96		42.31	70.31	38.06		2605		

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

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

HYSTER - CHALLENGER														
3380	H30H 3000# @ 24" LC (LOAD CNTR)	63 HP G	23,619	10.45		1.30	2.63	4.86		71				
3385	H60C 6000# @ 24" LC	80 HP G	26,755	12.66		1.47	2.98	6.18		103				
3390	H110F 11000# @ 24" LC	116 HP G	40,871	18.74		2.25	4.57	8.96		163				
3395	H150H 15000# @ 24" LC	127 HP G	57,350	22.94		3.13	6.32	9.81		234				
3400	H200HS20000# @ 24" LC	PS 127 HP G	65,611	24.46		3.58	7.25	9.81		256				
3405	H250H 25000# @ 24" LC	PS 127 HP G	68,274	24.99		3.72	7.53	9.81		295				
3410	H300B 30000# @ 24" LC	PS 127 HP G	75,952	26.41		4.15	8.41	9.81		360				
3415	H460B 46000# @ 48" LC	PS 190 HP G	146,511	45.89		7.93	15.92	14.67		590				
GENERATOR SETS, ELECTRIC														

CATERPILLAR														
T = TURBOCHARGED														
TA = TURBOCHARGED AFTER COOLED														
SKID MOUNTED														
3430	MOD 3304 -T 240/480V 75 KW	129 HP D	19,016	9.19	11.60	1.04	1.89	4.90	2.02	6.45				
3435	MOD 3306 -T 240/480V 130 KW	200 HP D	22,402	13.07	16.64	1.22	2.22	7.60	2.38	10.00				
3440	MOD 3306 -TA 240/480V 150 KW	220 HP D	25,532	14.54	18.47	1.40	2.54	8.36	2.72	11.00				
3445	MOD 3406 -T 240/480V 175 KW	260 HP D	27,043	16.67	21.24	1.48	2.69	9.88	2.88	13.00				
3450	MOD 3406 -TA 240/480V 200 KW	295 HP D	30,644	18.90	24.09	1.68	3.04	11.21	3.26	14.75				
3455	MOD 3408 -T 240/480V 225 KW	330 HP D	35,787	21.40	27.23	1.96	3.56	12.54	3.81	16.50				
3460	MOD 3408 -TA 240/480V 265 KW	390 HP D	38,885	24.72	31.53	2.13	3.86	14.82	4.13	19.50				
3465	MOD D353 -TA 240/480V 290 KW	425 HP D	71,149	31.65	39.80	3.90	7.07	16.15	7.56	21.25				
3470	MOD 3412 -T 240/480V 300 KW	440 HP D	53,803	29.52	37.46	2.95	5.35	16.72	5.72	22.00				
3475	MOD 3412 -TA 240/480V 440 KW	625 HP D	62,580	39.67	50.58	3.43	6.22	23.75	6.65	31.25				
3480	MOD D348 -TA 240/480V 510 KW	730 HP D	95,357	49.96	63.29	5.22	9.47	27.74	10.13	36.50				
3485	MOD D398B-TA 230/460V 565 KW	810 HP D	141,489	61.27	76.97	7.75	14.06	30.78	15.03	40.50				
3490	MOD D399 -TA 230/460V 820 KW	1155 HP D	184,135	84.48	106.43	10.08	18.29	43.89	19.57	57.75				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.			
			AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
GENERATOR SETS, ELECTRIC (CONT'D)									
ONAN									
SKID MOUNTED									
3505	120/240V 2.5 KW	6 HP G	1,279	0.78	0.98	0.07	0.13	0.46	0.13 0.60 2
3510	120/240V 6.5 KW	14 HP G	2,882	1.80	2.30	0.15	0.28	1.08	0.31 1.41 3
3515	120/240V 10.0 KW	20 HP G	3,148	2.43	3.09	0.18	0.32	1.54	0.34 2.01 4
3520	120/240V 3.0 KW	6 HP D	3,334	0.82	1.00	0.18	0.33	0.23	0.35 0.30 4
3525	120/240V 6.0 KW	12 HP D	4,426	1.29	1.58	0.25	0.44	0.46	0.47 0.60 5
3530	120/240V 12.0 KW	22 HP D	6,370	2.08	2.57	0.35	0.63	0.84	0.68 1.10 7
3535	120/240V 15 KW	27 HP D	6,539	2.35	2.90	0.36	0.65	1.03	0.69 1.35 14
3540	120/240V 30 KW	63 HP D	9,699	4.55	5.74	0.54	0.97	2.39	1.03 3.15 19
3545	120/240V 45 KW	87 HP D	12,824	6.19	7.82	0.70	1.27	3.31	1.37 4.35 25
3550	120/240V 60 KW	102 HP D	14,739	7.22	9.10	0.81	1.47	3.88	1.56 5.10 26
3555	120/240V 75 KW	162 HP D	17,540	10.50	13.35	0.96	1.74	6.16	1.86 8.10 30
3560	120/240V 90 KW	162 HP D	18,377	10.63	13.51	1.00	1.82	6.16	1.95 8.10 30
3565	120/240V 125 KW	210 HP D	21,266	13.37	17.04	1.17	2.11	7.98	2.26 10.50 50
3570	120/240V 150 KW	276 HP D	25,201	17.12	21.88	1.38	2.50	10.49	2.68 13.80 65
GRADERS, MOTOR									
CATERPILLAR									
3585	MOD 120-G POWER SHIFT ARTIC	125 HP D	95,845	19.84	24.34	4.92	8.71	4.37	9.76 5.75 275
3590	MOD 130-G POWER SHIFT ARTIC	135 HP D	103,328	21.38	26.23	5.30	9.40	4.72	10.54 6.21 295
3595	MOD 12-G POWER SHIFT ARTIC	135 HP D	111,082	22.55	27.60	5.70	10.11	4.72	11.33 6.21 313
3600	MOD 140-G POWER SHIFT ARTIC	150 HP D	114,261	23.72	29.12	5.86	10.37	5.25	11.63 6.90 316
3605	MOD 14-G POWER SHIFT ARTIC	180 HP D	159,275	32.07	39.33	8.11	14.24	6.30	15.96 8.28 433
3610	MOD 16-G POWER SHIFT ARTIC	250 HP D	230,391	46.06	56.49	11.70	20.50	8.75	22.96 11.50 579

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

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

CHAMPION																	
3620	MOD 710A	ARTICULATED	125 HP D	79,120	17.44	21.50	4.04	7.14	4.37	8.01	5.75	296					
3625	MOD 715A	ARTICULATED	152 HP D	89,559	20.20	24.94	4.58	8.09	5.32	9.07	6.99	306					
3630	MOD 720A	ARTICULATED	168 HP D	95,543	21.85	26.99	4.89	8.62	5.88	9.65	7.73	335					
3635	MOD 740A	ARTICULATED	181 HP D	103,017	23.47	28.98	5.28	9.34	6.33	10.47	8.33	350					
3640	MOD 710	NON-ARTICULATED	125 HP D	74,274	16.74	20.65	3.80	6.70	4.37	7.50	5.75	270					
3645	MOD 715	NON-ARTICULATED	152 HP D	82,066	19.10	23.64	4.19	7.39	5.32	8.29	6.99	279					
3650	MOD 720	NON-ARTICULATED	152 HP D	86,729	19.84	24.53	4.43	7.80	5.32	8.74	6.99	307					
3655	MOD 740	NON-ARTICULATED	181 HP D	95,539	22.43	27.76	4.89	8.62	6.33	9.65	8.33	326					
3660	MOD 760	NON-ARTICULATED	230 HP D	118,861	28.44	35.31	6.02	10.50	8.05	11.75	10.58	384					
FIAT-ALLIS																	
3670	MOD-65B	DIRECT DRIVE	68 HP D	50,965	10.57	12.97	2.62	4.66	2.38	5.23	3.13	133					
3675	MOD-100C	CONSTANT MESH	135 HP D	82,319	18.36	22.64	4.21	7.44	4.72	8.34	6.21	280					
3680	MOD-150C	POWER SHIFT	135 HP D	86,879	19.03	23.43	4.45	7.87	4.72	8.82	6.21	286					
3685	MOD-200C	POWER SHIFT	160 HP D	93,555	21.15	26.14	4.78	8.45	5.60	9.48	7.36	292					
GALION																	
3695	MOD 503-L	DIRECT DRIVE	68 HP G	51,234	13.17	16.28	2.64	4.69	4.85	5.27	6.29	115					
3700	MOD T-500C	POWER SHIFT	145 HP D	95,022	20.63	25.38	4.88	8.64	5.07	9.68	6.67	281					
3705	MOD T-600C	POWER SHIFT	186 HP D	109,907	24.71	30.51	5.63	9.96	6.51	11.18	8.56	321					
HOISTS																	

BEEBE - AIR TUGGERS																	
3715	2000P110-24	1.0 T 225 CFM RQD		4,907	1.05		0.28	0.56	0.00		5						
3720	5000P120-24	2.5 T 500 CFM RQD		8,894	1.92		0.49	1.01	0.00		16						
3725	10000P 60-30	5.0 T 500 CFM RQD		11,170	2.47		0.62	1.27	0.00		22						
3730	20000P 50-40	10.0 T 850 CFM RQD		27,857	5.82		1.54	3.16	0.00		55						

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

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

SKAGII													
3740	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	62,379	16.92		3.45	7.08	3.80		85			
3745	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	84,307	21.21		4.66	9.57	3.80		126			
3750	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	129,700	31.51		7.17	14.72	4.94		240			
3755	RB-90WDOUBLE DRUM W/1-3/8" CABLE	150 HP D	153,903	37.19		8.51	17.47	5.70		300			
HYDRAULIC EXCAVATOR, CRAWLER MOUNTED													

T/B = TELESCOPING BOOM													
B/H = BACKHOE													
AMERICAN													
3770	MOD 185	1.00 CY B/H	103 HP D	106,663	22.56	28.43	5.67	11.31	3.60	13.07	4.74	410	
3775	MOD 25A	1.38 CY B/H	185 HP D	180,974	36.27	44.51	9.05	17.15	6.47	19.20	8.51	660	
3780	MOD 480	2.00 CY B/H	300 HP D	267,107	54.65	67.15	13.36	25.31	10.50	28.34	13.80	975	
3785	MOD 680	4.00 CY B/H	456 HP D	425,786	78.30	94.58	19.89	35.38	15.96	38.46	20.98	1647	
BADGER (HOPTO)													
3795	MOD 211	1.00 CY B/H	160 HP D	128,387	28.66	36.18	6.84	13.63	5.60	15.73	7.36	516	
3800	MOD 311	1.88 CY B/H	235 HP D	186,753	39.25	48.32	9.34	17.70	8.22	19.81	10.81	743	
3805	MOD 900B	3.25 CY B/H	308 HP D	224,662	44.41	53.55	10.49	18.66	10.78	20.29	14.17	1009	
3810	MOD 1900	4.50 CY B/H	616 HP D	486,901	94.13	113.27	22.74	40.45	21.56	43.97	28.34	2049	
BUCYRUS ERIE													
3820	MOD 300-H	1.00 CY B/H	176 HP D	157,508	34.31	43.28	8.38	16.71	6.16	19.29	8.10	540	
3825	MOD 325-H	1.75 CY B/H	205 HP D	215,664	42.58	52.20	10.79	20.44	7.17	22.88	9.43	770	
3830	MOD 350-H	2.50 CY B/H	248 HP D	273,312	53.48	65.51	13.67	25.90	8.68	29.00	11.41	1050	
3835	MOD 400-H	4.25 CY B/H	392 HP D	447,870	79.37	94.71	20.92	37.21	13.72	40.45	18.03	1560	
CASE													
3845	MOD 880C "E" BOOM .63 CY	B/H	125 HP D	81,343	19.13	24.19	4.33	8.63	4.37	9.96	5.75	292	
3850	MOD 980B	.75 CY B/H	180 HP D	125,129	28.92	36.57	6.66	13.28	6.30	15.33	8.28	420	

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													
CATERPILLAR													
3860	MOD 215 .75 CY B/H 90 HP D	117,320	23.87	30.01	6.24	12.45	3.15	14.37	4.14	387			
3865	MOD 225 1.00 CY B/H 125 HP D	145,503	30.15	37.93	7.75	15.44	4.37	17.82	5.75	504			
3870	MOD 235 1.43 CY B/H 195 HP D	257,237	48.75	59.57	12.87	24.38	6.82	27.29	8.97	875			
3875	MOD 245 2.50 CY B/H 325 HP D	390,922	75.27	92.10	19.55	37.05	11.37	41.48	14.95	1318			
DROTT													
3885	MOD 40-D 1.00 CY B/H 157 HP D	102,882	24.15	30.55	5.48	10.92	5.49	12.60	7.22	400			
3890	MOD 50-D 1.25 CY B/H 190 HP D	131,376	28.64	35.33	6.57	12.45	6.65	13.94	8.74	510			
GRADALL													
3900	MOD G-660 .50 CY T/B 115 HP D	134,047	27.75	34.94	7.13	14.22	4.02	16.42	5.29	459			
3905	MOD G-880 .75 CY T/B 160 HP D	166,981	35.29	44.44	8.89	17.72	5.60	20.46	7.36	549			
3910	MOD G-1000 1.25 CY T/B 272 HP D	223,597	46.61	57.35	11.19	21.19	9.52	23.73	12.51	787			
INSLEY													
3925	MOD H1500C 1.50 CY B/H 240 HP D	204,432	42.25	51.96	10.22	19.37	8.40	21.69	11.04	767			
3930	MOD H2500C 2.00 CY B/H 290 HP D	238,424	49.71	61.15	11.93	22.60	10.15	25.30	13.34	955			
3935	MOD H3500C 3.00 CY B/H 390 HP D	320,070	61.26	73.65	14.95	26.59	13.65	28.91	17.94	1275			
KOEHRING													
3945	MOD 166 BANTAM .50 CY B/H 108 HP D	83,300	18.77	23.69	4.43	8.84	3.78	10.20	4.97	321			
3950	MOD 266 BANTAM .88 CY B/H 143 HP D	133,113	28.76	36.27	7.09	14.13	5.00	16.31	6.58	525			
3955	MOD 366 BANTAM 1.50 CY B/H 210 HP D	161,096	34.15	42.08	8.05	15.26	7.35	17.09	9.66	616			
3960	MOD 566 2.00 CY B/H 240 HP D	228,789	46.11	56.61	11.44	21.68	8.40	24.28	11.04	865			
3965	MOD 666 2.38 CY B/H 307 HP D	285,378	57.82	71.01	14.27	27.04	10.74	30.28	14.12	1090			
3970	MOD 866E 3.25 CY B/H 325 HP D	354,225	63.39	75.72	16.55	29.43	11.37	31.99	14.95	1327			
3975	MOD 1066E 4.00 CY B/H 380 HP D	443,214	78.21	93.30	20.70	36.82	13.30	40.03	17.48	1640			
3980	MOD 1166E 5.00 CY B/H 420 HP D	505,040	88.60	105.60	23.59	41.96	14.70	45.61	19.32	1813			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	OWNER-SHIP				
HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D)													
***** T/B = TELESCOPING BOOM B/H = BACKHOE													
KOEHRING (CONT'D)													
3985	MOD 1266D	5.50 CY	B/H	760 HP D	744,827	136.01	155.92	33.61	57.69	26.60	61.88	34.96	2600
3990	MOD 1466	6.50 CY	B/H	832 HP D	895,524	160.14	183.04	40.41	69.36	29.12	74.40	38.27	2900
UNIT													
4005	MOD H202C SER II	.75 CY	B/H	152 HP D	117,203	26.41	33.34	6.24	12.44	5.32	14.35	6.99	440
4010	MOD H342	1.25 CY	B/H	228 HP D	202,220	41.42	50.89	10.12	19.17	7.98	21.45	10.49	740
4015	MOD H471	1.75 CY	B/H	304 HP D	250,114	52.14	64.14	12.51	23.71	10.64	26.54	13.98	1003
HYDRAULIC EXCAVATOR, TRUCK MOUNTED													
***** (HP & FUEL LISTED EQUIP/CARRIER) T/B = TELESCOPING BOOM B/H = BACKHOE													
GRADALL													
4025	MOD G-660	.50 CY	T/B	115/210 HP D/G	148,636	26.72	32.05	7.10	12.30	6.83	13.41	8.94	450
4030	MOD G-880	.75 CY	T/B	160/210 HP D/D	182,847	31.95	38.03	8.69	14.98	7.50	16.33	9.66	530
4035	MOD G-1000	1.25 CY	T/B	272/312 HP D/D	240,393	43.47	51.44	10.77	18.28	12.45	19.59	16.07	730
LAND CLEARING EQUIPMENT													
***** (ADD TO TRACTOR)													
4045	FLECO LAND CLEARING RAKE FOR D-6				16,265	3.33	4.22	0.90	1.84	0.00	2.16	0.00	67
4050	FLECO LAND CLEARING RAKE FOR D-7				21,366	4.36	5.53	1.18	2.41	0.00	2.84	0.00	98
4055	FLECO LAND CLEARING RAKE FOR D-8				31,700	6.44	8.18	1.75	3.57	0.00	4.21	0.00	138
4060	FLECO CLAMP RAKE FOR CAT 977 (ADD TO 977 LOADER)				16,308	3.45	4.34	0.90	1.84	0.00	2.16	0.00	58

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT	
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL		
	LIGHTING SETS, TRAILER MOUNTED *****									
	ALLMAND METALLIC VAPOR									
4070	30' TOWER 4/1000W LTS 5 KW 11 HP D	12,211	3.84		0.67	1.28	0.55		29	
	OVER-LOWE METALLIC VAPOR									
4080	38' TOWER 4/1000W LTS 6 KW 12 HP D	11,086	3.61		0.61	1.16	0.60		22	
	LOADERS, BELT *****									
	KOLMAN									
4090	101XHD 24"X50' 355 T/HR 28 HP D	27,640	7.27	9.55	1.47	2.62	1.06	3.03	1.40	116
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4100	PLATE FEEDER DOZER TRAP MODEL 45	5,116	0.98	1.26	0.28	0.51	0.00	0.60	0.00	37
4105	BELT FEEDER DOZER TRAP MODEL 65	7,435	1.43	1.83	0.40	0.74	0.00	0.87	0.00	36
4110	WING WALLS STATIONARY	1,140	0.23	0.29	0.07	0.12	0.00	0.14	0.00	9
4115	TUNNEL EXTENSION W/WING WALLS	5,953	1.15	1.45	0.33	0.60	0.00	0.69	0.00	61
4120	SINGLE DECK SCREEN SB-70 7'X42	5,092	0.98	1.24	0.28	0.51	0.00	0.59	0.00	19
4125	DOUBLE DECK SCREEN DC-70-42 7'X42	6,045	1.17	1.48	0.33	0.61	0.00	0.70	0.00	27
4130	TRIPLE DECK SCREEN TC-70-42 7'X42	7,891	1.52	1.93	0.43	0.79	0.00	0.92	0.00	34
4135	XHD CONVEYOR JACKLEG	901	0.17	0.23	0.05	0.09	0.00	0.11	0.00	9
4140	101XHD 30"X50' 615 T/HR 42 HP D	30,993	8.77	11.52	1.66	2.94	1.60	3.39	2.10	135
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4150	PLATE FEEDER DOZER TRAP MODEL 45	6,359	1.23	1.56	0.35	0.64	0.00	0.74	0.00	42
4155	BELT FEEDER DOZER TRAP MODEL 65	7,791	1.50	1.90	0.43	0.78	0.00	0.90	0.00	40
4160	WING WALLS STATIONARY	1,140	0.23	0.29	0.07	0.12	0.00	0.14	0.00	9
4165	TUNNEL EXTENSION W/WING WALLS	5,953	1.15	1.45	0.33	0.60	0.00	0.69	0.00	61
4170	SINGLE DECK SCREEN SB-80 8'X48	5,714	1.11	1.39	0.32	0.58	0.00	0.66	0.00	23
4175	DOUBLE DECK SCREEN DC-80-48 8'X48	7,039	1.36	1.72	0.39	0.71	0.00	0.82	0.00	35
4180	TRIPLE DECK SCREEN TC-80-48 8'X48	8,919	1.72	2.19	0.49	0.89	0.00	1.04	0.00	43

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

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

KOLMAN (CONT'D)													
4185	XHD CONVEYOR JACKLEG	901	0.17	0.23	0.05	0.09	0.00	0.11	0.00	9			
4190	101XHD 36"X50' 910 T/HR	56 HP D	35,478	10.55	13.91	1.88	3.33	2.13	3.84	2.80			
OPTIONAL EQUIPMENT SELECT AS NEEDED													
4200	PLATE FEEDER DOZER TRAP MODEL 45		6,821	1.32	1.67	0.38	0.69	0.00	0.79	0.00			
4205	BELT FEEDER DOZER TRAP MODEL 65		8,252	1.59	2.02	0.46	0.83	0.00	0.96	0.00			
4210	WING WALLS STATIONARY		1,140	0.23	0.29	0.07	0.12	0.00	0.14	0.00			
4215	TUNNEL EXTENSION W/WING WALLS		5,953	1.15	1.45	0.33	0.60	0.00	0.69	0.00			
4220	SINGLE DECK SCREEN SB-90 9'X54		6,456	1.25	1.58	0.36	0.65	0.00	0.75	0.00			
4225	DOUBLE DECK SCREEN DC-90-54 9'X54		8,413	1.62	2.06	0.46	0.84	0.00	0.98	0.00			
4230	TRIPLE DECK SCREEN TC-90-54 9'X54		11,224	2.16	2.74	0.61	1.12	0.00	1.30	0.00			
4235	XHD CONVEYOR JACKLEG		901	0.17	0.23	0.05	0.09	0.00	0.11	0.00			
4240	101XHD 42"X50' 1260 T/HR	84 HP D	43,364	13.81	18.31	2.30	4.04	3.19	4.65	4.20			
OPTIONAL EQUIPMENT SELECT AS NEEDED													
4250	PLATE FEEDER DOZER TRAP MODEL 45		7,267	1.40	1.77	0.40	0.73	0.00	0.84	0.00			
4255	BELT FEEDER DOZER TRAP MODEL 65		9,487	1.84	2.32	0.53	0.96	0.00	1.10	0.00			
4260	WING WALLS STATIONARY		1,140	0.23	0.29	0.07	0.12	0.00	0.14	0.00			
4265	TUNNEL EXTENSION W/WING WALLS		5,953	1.15	1.45	0.33	0.60	0.00	0.69	0.00			
4270	SINGLE DECK SCREEN SB-100 60"X10'		8,054	1.56	1.96	0.44	0.81	0.00	0.93	0.00			
4275	DOUBLE DECK SCREEN DC-100 60"X10'		10,388	2.00	2.54	0.57	1.04	0.00	1.21	0.00			
4280	TRIPLE DECK SCREEN TC-100 60"X10'		14,012	2.70	3.43	0.76	1.40	0.00	1.63	0.00			
4285	XHD CONVEYOR JACKLEG		901	0.17	0.23	0.05	0.09	0.00	0.11	0.00			
4290	101XHD 48"X50' 1700 T/HR	125 HP D	76,141	22.33	29.27	4.07	7.26	4.75	8.37	6.25			
OPTIONAL EQUIPMENT SELECT AS NEEDED													
4300	PLATE FEEDER DOZER TRAP MODEL 45		10,549	2.04	2.58	0.58	1.06	0.00	1.22	0.00			
4305	WING WALLS STATIONARY		1,140	0.23	0.29	0.07	0.12	0.00	0.14	0.00			
4310	TUNNEL EXTENSION W/WING WALLS		6,646	1.27	1.63	0.36	0.66	0.00	0.78	0.00			
4315	SINGLE DECK SCREEN SB-120 60"X12'		9,138	1.77	2.24	0.50	0.92	0.00	1.07	0.00			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, BELT (CONT'D)														
KOLMAN (CONT'D)														
4320	DOUBLE DECK SCREEN DC-120 60"X12"	12,625	2.44	3.09	0.69	1.27	0.00	1.47	0.00	77				
4325	TRIPLE DECK SCREEN TC-120 60"X12"	16,536	3.19	4.05	0.90	1.66	0.00	1.93	0.00	80				
4330	XHD CONVEYOR JACKLEG	901	0.17	0.23	0.05	0.09	0.00	0.11	0.00	9				
4335	303 48"X50' 2000 CY/HR	125 HP D	134,507	35.98	47.64	7.14	12.61	4.75	14.53	6.25				
4340	303 48"X60' 2000 CY/HR	185 HP D	149,626	41.90	55.33	7.97	14.12	7.03	16.27	9.25				
4345	303 60"X50' 3600 CY/HR	185 HP D	154,604	44.51	59.38	8.17	14.33	7.03	16.48	9.25				
4350	303 60"X60' 3600 CY/HR	290 HP D	178,104	55.24	73.74	9.41	16.50	11.02	18.99	14.50				
4355	404 48"X50' 2000 CY/HR	185 HP D	166,156	45.01	59.23	8.88	15.79	7.03	18.22	9.25				
4360	404 48"X60' 2000 CY/HR	185 HP D	175,582	46.91	61.69	9.40	16.73	7.03	19.29	9.25				
4365	404 60"X50' 3600 CY/HR	290 HP D	199,514	58.28	77.10	10.63	18.84	11.02	21.71	14.50				
4370	404 60"X60' 3600 CY/HR	290 HP D	220,500	63.41	84.11	11.73	20.75	11.02	23.91	14.50				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4380	SINGLE DECK SCREEN SB-120 72"X12"	10,109	1.96	2.48	0.56	1.02	0.00	1.18	0.00	58				
4385	DOUBLE DECK SCREEN DC-120 72"X12"	13,423	2.59	3.28	0.74	1.35	0.00	1.56	0.00	85				
4390	TRIPLE DECK SCREEN TC-120 72"X12"	18,158	3.51	4.44	1.00	1.83	0.00	2.11	0.00	90				
4395	SINGLE DECK VIBRATING GRIZZLE 72"	20,823	4.02	5.11	1.14	2.09	0.00	2.43	0.00	80				
LOADERS, FRONT END, CRAWLER TYPE														
CASE														
4405	350 B 3/4 CY	39 HP D	34,335	10.33	13.24	1.89	3.71	1.60	4.35	2.11				
4410	450 B 1 CY	53 HP D	45,384	13.75	17.60	2.51	4.92	2.17	5.75	2.86				
4415	850B 1-1/2 CY	72 HP D	55,015	17.10	21.93	3.04	5.96	2.95	6.98	3.89				
4420	1150 C 1-3/4 CY	105 HP D	79,455	24.75	31.72	4.38	8.60	4.30	10.07	5.67				
4425	1450 B 2-1/4 CY	140 HP D	94,870	30.38	38.97	5.22	10.27	5.74	12.03	7.56				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.B., CRAWLER TYPE (CONT'D)														
CATERPILLAR														
4435	931B	1 CY	65 HP D	40,144	13.18	16.92	2.21	4.35	2.66	5.09	3.51	150		
4440	943	1-1/2 CY	80 HP D	73,851	22.02	28.17	4.07	8.00	3.28	9.36	4.32	240		
4445	953	2 CY	110 HP D	92,864	28.21	36.13	5.12	10.05	4.51	11.77	5.94	290		
4450	955L	2-1/4 CY	130 HP D	100,837	31.24	40.03	5.56	10.92	5.33	12.79	7.02	348		
4455	977L	3-1/4 CY	190 HP O	154,062	47.23	60.50	8.49	16.68	7.79	19.53	10.26	512		
4460	983B	4-1/2 CY	275 HP D	238,955	72.3	92.38	13.17	25.87	11.27	30.30	14.85	750		
FIAT-ALLIS														
4470	FL9	1-5/8 CY	87 HP D	60,962	19.37	24.83	3.36	6.60	3.57	7.73	4.70	272		
4475	FL10C	2 CY	122 HP D	77,740	25.30	32.48	4.28	8.41	5.00	9.86	6.59	310		
4480	FL14C	2-5/8 CY	150 HP D	101,773	32.59	41.79	5.61	11.02	6.15	12.90	8.10	410		
4485	FL20	3-1/2 CY	223 HP D	147,043	47.42	60.85	8.10	15.91	9.14	18.64	12.04	605		
INTERNATIONAL														
4495	100-E	1-1/8 CY	65 HP D	49,505	15.39	19.74	2.73	5.36	2.66	6.28	3.51	161		
4500	125-E	1-3/8 CY	78 HP D	58,682	18.31	23.46	3.23	6.35	3.20	7.44	4.21	199		
4505	175-C	2 CY	130 HP D	93,341	29.47	37.77	5.15	10.11	5.33	11.83	7.02	332		
4510	250-C	2-3/4 CY	190 HP D	131,926	41.99	53.84	7.27	14.28	7.79	16.72	10.26	452		
JOHN DEERE														
4520	JD350-C	3/4 CY	42 HP D	35,177	10.69	13.71	1.93	3.80	1.72	4.46	2.27	119		
4525	JD450-C	1-1/4 CY	65 HP D	45,927	14.55	18.65	2.54	4.98	2.66	5.82	3.51	165		
KOMATSU														
4535	D31S-16	1.3 CY	63 HP D	41,546	13.40	17.19	2.29	4.50	2.58	5.27	3.40	156		
4540	D53S-16	1.8 CY	110 HP D	72,984	23.50	30.16	4.02	7.90	4.51	9.26	5.94	300		
4545	D57S-1	2.1 CY	135 HP D	88,750	28.65	36.76	4.89	9.61	5.53	11.25	7.29	337		
4550	D75S-3	3.3 CY	200 HP D	130,750	42.29	54.24	7.21	14.16	8.20	16.58	10.80	503		
4555	D155S-1	5.9 CY	350 HP D	255,146	80.21	102.84	14.05	27.62	14.35	32.35	18.90	950		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT				
			CONDITION		STAND-	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE	BY	OWNER-SHIP	FUEL						
LOADERS, FRONT END, WHEEL TYPE													
***** (ARTIC = ARTICULATED)													
BOBCAT													
4565	MOD 310	5 C.F. SKID STEER	16 HP G	6,811	2.97	3.85	0.37	0.71	1.24	0.83	1.61	18	
4570	MOD 313	5 C.F. SKID STEER	13 HP D	8,453	2.32	3.00	0.46	0.89	0.49	1.04	0.65	19	
4575	MOD 540	6.5 C.F. SKID STEER	23 HP G	9,935	4.26	5.53	0.54	1.04	1.78	1.22	2.31	31	
4580	MOD 543	6.5 C.F. SKID STEER	19 HP D	11,872	3.27	4.25	0.64	1.25	0.72	1.46	0.95	33	
4585	MOD 610	9 C.F. SKID STEER	30 HP G	12,089	5.33	6.89	0.66	1.28	2.32	1.50	3.02	43	
4590	MOD 630	9 C.F. SKID STEER	30 HP G	11,617	5.24	6.78	0.63	1.23	2.32	1.44	3.02	34	
4595	MOD 641	10 C.F. SKID STEER	28 HP D	13,896	4.09	5.27	0.76	1.48	1.06	1.73	1.40	39	
4600	MOD 642	10 C.F. SKID STEER	32 HP G	12,441	5.60	7.23	0.68	1.32	2.47	1.54	3.22	38	
4605	MOD 742	10 C.F. SKID STEER	34 HP G	14,747	6.23	8.02	0.81	1.57	2.63	1.84	3.42	45	
4610	MOD 743	10 C.F. SKID STEER	36 HP D	15,995	4.91	6.31	0.88	1.71	1.37	2.00	1.80	46	
4615	MOD 825	12.5 C.F. SKID STEER	42 HP D	19,115	5.94	7.74	1.03	2.00	1.60	2.34	2.10	60	
4620	MOD 843	13.5 C.F. SKID STEER	54 HP D	20,552	6.84	8.90	1.12	2.16	2.05	2.52	2.70	63	
4625	MOD 974	33.8 C.F. SKID STEER	78 HP D	36,372	11.50	15.30	1.95	3.70	2.96	4.32	3.90	121	
CASE													
4635	W-14	1-1/2 CY ARTIC	83 HP D	52,860	14.57	18.92	2.87	5.55	3.15	6.50	4.15	137	
4640	W-18	2 CY ARTIC	103 HP D	63,346	17.60	22.76	3.45	6.69	3.91	7.82	5.15	185	
4645	W-24 C	2-1/2 CY ARTIC	132 HP D	90,331	24.31	31.46	4.91	9.52	5.02	11.14	6.60	216	
4650	W-36	3-1/2 CY ARTIC	185 HP D	120,708	33.36	43.59	6.53	12.59	7.03	14.71	9.25	332	
CATERPILLAR													
4660	910	1-1/4 CY ARTIC	65 HP D	47,237	12.96	17.19	2.53	4.82	2.47	5.63	3.25	143	
4665	920	1-3/4 CY ARTIC	80 HP D	62,775	16.38	21.24	3.41	6.60	3.04	7.71	4.00	186	
4670	930	2-1/4 CY ARTIC	100 HP D	71,047	19.08	24.84	3.85	7.44	3.80	8.69	5.00	206	
4675	950-B	3 CY ARTIC	130 HP D	112,493	29.60	39.36	6.02	11.48	4.94	13.39	6.50	323	
4680	966-D	4 CY ARTIC	170 HP D	149,606	39.92	53.80	7.95	15.02	6.46	17.50	8.50	426	
4685	980-C	5-1/4 CY ARTIC	260 HP D	200,020	49.35	64.66	10.03	18.83	9.88	21.30	13.00	577	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
LOADERS, F.E., WHEEL TYPE (CONT'D)													
CATERPILLAR (CONT'D)													
4690	988-B	7 CY ARTIC	375 HP D	295,946	71.54	93.91	14.68	27.19	14.25	30.70	18.75	892	
4695	992-C	13 CY ARTIC	690 HP D	612,033	145.67	193.33	30.15	55.39	26.22	62.47	34.50	1916	
CLARK													
4705	35C	1-1/4 CY	82 HP D	53,521	15.03	19.81	2.88	5.51	3.12	6.43	4.10	171	
4710	45C	1-1/2 CY	107 HP D	63,210	17.89	23.23	3.43	6.64	4.07	7.76	5.35	187	
4715	55C	2 CY ARTIC	121 HP D	71,635	20.31	26.44	3.89	7.51	4.60	8.76	6.05	247	
4720	75C	2-1/2 CY ARTIC	154 HP D	108,649	29.64	38.98	5.86	11.24	5.85	13.13	7.70	296	
4725	125C	3-1/2 CY ARTIC	210 HP D	146,121	40.54	53.81	7.83	14.94	7.98	17.43	10.50	419	
4730	175C	4-1/2 CY ARTIC	273 HP D	193,440	48.93	64.22	9.70	18.18	10.37	20.55	13.65	565	
4735	275C	6-1/2 CY ARTIC	360 HP D	266,955	64.56	83.58	13.36	24.99	13.68	28.24	18.00	799	
4740	475C	10 CY ARTIC	612 HP D	514,866	122.38	160.51	25.55	47.35	23.26	53.47	30.60	1544	
FIAT-ALLIS													
4750	345-B	1-1/2 CY ARTIC	80 HP D	47,385	13.45	17.52	2.57	4.96	3.04	5.79	4.00	151	
4755	545-B	2 CY ARTIC	102 HP D	59,669	16.87	21.86	3.25	6.29	3.88	7.35	5.10	176	
4760	605-B	2-1/2 CY ARTIC	108 HP D	67,808	18.90	24.67	3.67	7.09	4.10	8.29	5.40	200	
4765	645-B	3 CY ARTIC	151 HP D	90,345	26.14	34.61	4.85	9.26	5.74	10.81	7.55	246	
4770	FR-20	4 CY ARTIC	215 HP D	142,239	40.10	53.28	7.61	14.52	8.17	16.94	10.75	445	
4775	945-B	6 CY ARTIC	335 HP D	235,484	58.24	75.88	11.74	21.86	12.73	24.70	16.75	700	
INTERNATIONAL													
4785	510B	1-3/8 CY	80 HP D	44,125	13.09	17.33	2.37	4.53	3.04	5.28	4.00	140	
4790	515B	1-5/8 CY	100 HP D	54,052	16.13	21.34	2.90	5.55	3.80	6.47	5.00	167	
4795	520B	2-1/4 CY ARTIC	120 HP D	63,750	18.84	24.67	3.44	6.63	4.56	7.75	6.00	232	
4800	530	2-3/4 CY ARTIC	155 HP D	95,780	27.86	37.31	5.10	9.67	5.89	11.27	7.75	291	
4805	540	3-3/4 CY ARTIC	189 HP D	133,061	36.90	49.09	7.12	13.57	7.18	15.83	9.45	360	
4810	550	5-1/4 CY ARTIC	280 HP D	189,551	48.64	63.93	9.50	17.79	10.64	20.11	14.00	544	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.E., WHEEL TYPE (CONT'D) *****														
INTERNATIONAL (CONT'D)														
4815	560B 7-1/2 CY ARTIC	415 HP D	272,381	68.16	88.21	13.64	25.53	15.77	28.86	20.75				
4820	570 12 CY ARTIC	590 HP D	560,316	129.17	169.11	27.84	51.65	22.42	58.32	29.50				
TEREX (GM)														
4830	72-31B 3 CY ARTIC	160 HP D	96,389	28.24	37.80	5.14	9.74	6.08	11.35	8.00				
4835	72-51B 4 CY ARTIC	231 HP D	145,812	38.83	51.61	7.27	13.52	8.78	15.27	11.55				
4840	72-61 5-1/2 CY ARTIC	307 HP D	191,395	50.29	66.04	9.60	17.98	11.67	20.32	15.35				
4845	72-71B 7-1/2 CY ARTIC	388 HP D	276,804	67.54	87.31	13.87	25.97	14.74	29.36	19.40				
4850	72-81 9 CY ARTIC	434 HP D	385,959	89.70	116.76	19.24	35.85	16.49	40.51	21.70				
TROJAN														
4860	1500 1-3/4 CY ARTIC	85 HP D	58,686	15.88	20.66	3.18	6.15	3.23	7.19	4.25				
4865	1900 2-1/4 CY ARTIC	117 HP G	67,468	25.02	32.56	3.65	7.05	9.03	8.23	11.77				
4870	2000 3 CY ARTIC	144 HP D	96,853	27.47	36.79	5.16	9.79	5.47	11.41	7.20				
4875	2500 4 CY ARTIC	182 HP D	121,364	34.08	45.21	6.50	12.41	6.92	14.48	9.10				
4880	3000 4-1/4 CY ARTIC	215 HP D	130,009	38.73	52.50	6.87	12.90	8.17	15.01	10.75				
4885	5500 5-1/2 CY ARTIC	285 HP D	191,202	49.17	64.57	9.58	17.96	10.83	20.30	14.25				
4890	7500 7 CY ARTIC	400 HP D	255,840	64.74	84.04	12.78	23.88	15.20	26.99	20.00				
LOADER/BACKHOE, WHEEL TYPE TRACTOR *****														
CASE														
4900	580D LDR/BHOE 1.0 CY FE BUCKET 24" B/H DIPPER	55 HP D	39,746	10.33	13.01	2.17	4.06	2.09	4.71	2.75				
4905	680H LDR/BHOE 1-1/4 CY FE BUCKET 30" B/H DIPPER	80 HP D	57,947	15.07	19.02	3.15	5.89	3.04	6.85	4.00				
JOHN DEERE														
4915	410 LDR/BHOE 1 CY FE BUCKET 24" B/H DIPPER	62 HP D	38,636	10.53	13.36	2.09	3.89	2.36	4.53	3.10				
4920	510 LDR/BHOE 1-1/2 CY FE BUCKET 24" B/H DIPPER	80 HP D	59,284	15.41	19.47	3.21	5.98	3.04	6.95	4.00				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
LOADER/BACKHOE, CRLR TYPE TRACTOR *****																			
CASE																			
4930	350B LDR/BHOE 3/4 CY FE BUCKET 24" B/H DIPPER	39 HP D	43,658	12.55	16.05	2.41	4.73	1.60	5.54	2.11	141								
4935	450B LDR/BHOE 1 CY FE BUCKET 24" B/H DIP	53 HP D	59,236	17.02	21.77	3.26	6.41	2.17	7.51	2.86	167								
CATERPILLAR																			
4945	931BLDR/BHOE 1 CY FE BUCKET 30" B/H DIPPER	65 HP D	54,306	16.53	21.17	2.99	5.88	2.66	6.88	3.51	207								
LOADER/BACKHOE ATTACHMENTS *****																			
HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE BOOM TO FIT CASE AND JOHN DEERE BACKHOES (ADD TO BASIC LOADER-BACKHOE)																			
4955	IMPACTOR WITH TAMPER TOOL		11,967	3.68		0.80	1.71	0.00		12									
4960	IMPACTOR WITH CHISEL TOOL		11,288	3.48		0.76	1.62	0.00		11									
PILE EXTRACTORS *****																			
MKT CORPORATION																			
4970	E2 700 FT-LBS	400CFM A	12,754	4.01		0.85	1.82	0.00		27									
4975	E4 1000 FT-LBS	550CFM A	19,208	6.00		1.28	2.74	0.00		47									
VULCAN																			
4985	400A 500 FT-LBS	450CFM A	15,054	4.71		1.30	2.15	0.00		30									
4990	800A 1000 FT-LBS	900CFM A	20,327	6.48		1.36	2.90	0.00		57									
4995	1200A 1640 FT-LBS	1350CFM A	23,846	7.79		1.60	3.41	0.00		97									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT								
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.										
			AVERAGE	SEVERE													
PILE HAMMERS, DIESEL ***** (FUEL NOT INCLUDED)																	
MKT CORPORATION																	
5005	DE-30B/20B (6-FT) 12,000 FT-LBS	33,015	9.87		2.21	4.72	0.00		74								
5010	DE-30B/20B (6-FT) 16,800 FT-LBS	34,257	10.24		2.29	4.90	0.00		82								
5015	DE-70B/50B (6-FT) 30,000 FT-LBS	59,049	17.59		3.94	8.43	0.00		138								
5020	DE-70B/50B (6-FT) 42,000 FT-LBS	62,731	18.70		4.19	8.97	0.00		158								
PILE HAMMERS, SINGLE ACTING *****																	
VULCAN																	
5030	1 15000 FT-LBS	750CFM A	32,811	10.13		2.19	4.69	0.00	101								
5035	06 19500 FT-LBS	900CFM A	37,568	11.59		2.50	5.36	0.00	121								
5040	08 26000 FT-LBS	1100CFM A	43,188	13.36		2.89	6.17	0.00	175								
5045	010 32500 FT-LBS	1350CFM A	47,311	14.70		3.16	6.76	0.00	195								
5050	012 39000 FT-LBS	1500CFM A	53,021	16.31		3.54	7.57	0.00	287								
5055	014 42000 FT-LBS	1750CFM A	63,379	19.66		4.23	9.05	0.00	283								
5060	016 48750 FT-LBS	1750CFM A	75,165	23.17		5.02	10.74	0.00	320								
5065	020 60000 FT-LBS	2150CFM A	88,198	27.22		5.89	12.60	0.00	425								
5070	030 90000 FT-LBS	2350CFM A	148,012	45.09		9.89	21.15	0.00	575								
PILE HAMMERS, DOUBLE ACTING *****																	
MKT CORPORATION																	
5080	9-B-3 8750 FT-LBS	900CFM A	24,124	7.61		1.61	3.45	0.00	74								
5085	10-B-3 13100 FT-LBS	1200CFM A	28,581	9.07		1.91	4.08	0.00	114								
5090	11-B-3 19150 FT-LBS	1200CFM A	38,897	12.14		2.60	5.56	0.00	141								
5095	5 (SELF STOP) 1000 FT-LBS	375CFM A	10,029	3.21		0.68	1.44	0.00	17								
5100	6 (SELF STOP) 2500 FT-LBS	600CFM A	12,576	4.04		0.84	1.80	0.00	31								
5105	7 (SELF STOP) 4150 FT-LBS	750CFM A	16,181	5.18		1.08	2.31	0.00	50								

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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	COND. FUEL	SEVERE OWNER-SHIP	COND. FUEL										
			AVERAGE	SEVERE															
PILE HAMMERS, DOUBLE ACTING (CONT'D)																			
VULCAN																			
5115	50C	15100 FT-LBS	1250CFM	A	41,705	12.99	2.79	5.96	0.00	153									
5120	65C	19200 FT-LBS	1450CFM	A	47,797	14.90	3.19	6.83	0.00	153									
5125	80C	24450 FT-LBS	1750CFM	A	51,287	16.08	3.42	7.33	0.00	184									
5130	100C	32900 FT-LBS	2050CFM	A	61,741	19.33	4.13	8.83	0.00	232									
5135	140C	36000 FT-LBS	2150CFM	A	77,792	24.13	5.20	11.12	0.00	287									
5140	200C	50200 FT-LBS	2550CFM	A	112,288	34.57	7.50	16.05	0.00	398									
PILE HAMMERS, VIBRATORY																			
MKT CORPORATION																			
5150	V5	WITH POWER PACK	59 HP	D	58,407	20.22	3.90	8.35	2.24	110									
5155	V16	WITH POWER PACK	156 HP	D	114,122	41.48	7.62	16.30	5.93	215									
5160	V20	WITH POWER PACK	295 HP	D	155,652	60.59	10.39	22.24	11.21	257									
PIPELAYER																			

CATERPILLAR																			
5170	561D	15 FT BOOM, 40,000 LB CAP	105 HP	D	107,461	20.03	24.66	5.56	9.93	2.20									
5175	571G	18 FT BOOM, 60,000 LB CAP	200 HP	D	171,081	32.80	40.45	8.85	15.81	4.20									
5180	572G	18 FT BOOM, 90,000 LB CAP	200 HP	D	195,797	36.74	45.27	10.13	18.09	4.20									
5185	583K	20 FT BOOM, 140,000 LB CAP	300 HP	D	246,740	47.63	58.75	12.76	22.79	6.30									
5190	594H	24 FT BOOM, 200,000 LB CAP	410 HP	D	344,505	66.25	81.70	17.81	31.82	8.61									
PUMPS, GROUT																			

CHEMGROUT																			
5200	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM				11,188	2.93	0.68	1.50	0.00	11									
5205	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM				4,130	1.12	0.25	0.55	0.00	5									
5210	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM				16,506	4.40	1.01	2.21	0.00	18									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.								
			AVERAGE	SEVERE			OWNER-SHIP	FUEL							
PUMPS, GROUT (CONT'D) *****															
CHEMGROUT (CONT'D)															
5215	CG-620 COLLOIDAL ADD-ON TO CG-500	7,126	1.82		0.43	0.95	0.00			11					
PUMPS, WATER (FOR CORE DRILLS) *****															
LONGYEAR															
5225	520 RQG 5.7-20 GPM UP TO 600PSI	10 HP G	6,036	2.59		0.34	0.69	1.06		7					
5230	535 RQG 9.9-35 GPM UP TO 800PSI	15 HP G	7,624	3.60		0.42	0.86	1.60		10					
PUMPS, WATER, CENTRIFUGAL, DEWATERING *****															
HOMELITE - SKID MOUNTED															
5240	MOD 110S 1-1/2"-5000 GPH @ 30' H	2 HP G	400	0.35		0.02	0.04	0.21		1					
5245	MOD 111S 2" - 9000 GPH @ 22' H	3 HP G	508	0.52		0.03	0.06	0.32		1					
5250	MOD 120S 3" - 18000 GPH @ 20' H	8 HP G	918	1.30		0.05	0.10	0.85		2					
MARLOW - WHEEL MOUNTED															
5260	MOD 4D2 465 GPM @ 20' HEAD	43 HP G	7,981	7.62		0.45	0.91	4.58		14					
5265	MOD 4C7 595 GPM @ 20' HEAD	30 HP D	4,586	3.09		0.25	0.52	1.59		10					
5270	MOD 6E4A 1100 GPM @ 20' HEAD	79 HP G	10,586	13.17		0.59	1.20	8.41		15					
5275	MOD 6E4A 1100 GPM @ 20' HEAD	60 HP D	15,237	7.37		0.85	1.73	3.18		24					
5280	MOD 8FA3 2320 GPM @ 20' HEAD	70 HP D	19,619	8.95		1.08	2.22	3.71		23					
5285	MOD 10FA61 2775 GPM @ 20' HEAD	68 HP D	20,823	9.05		1.16	2.37	3.60		30					
PUMPS, WATER, CENTRIFUGAL, TRASH *****															
HOMELITE - SKID MOUNTED															
5295	MOD 121TP 2" - 11500 GPH @ 20' H	5 HP G	806	0.86		0.05	0.09	0.53		1					
5300	MOD 120 3" - 23000 GPH @ 20' H	8 HP G	1,121	1.34		0.06	0.13	0.85		2					
5305	MOD 160TP 4" - 36500 GPH @ 20' H	16 HP G	2,247	2.68		0.12	0.25	1.70		4					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	COND.	SEVERE	COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
PUMPS, WATER, DIAPHRAGM														
HOMELITE - SKID MOUNTED														
5315	MOD 111DP 2" - 1900 GPH @ 10' HD	3 HP G	967	0.61		0.05	0.11	0.32		1				
5320	MOD 111DP 3" - 4800 GPH @ 10' HD	3 HP G	1,121	0.64		0.06	0.13	0.32		2				
PUMPS, WATER, SUBMERSIBLE														
HOMELITE														
5330	MOD SP200 2" - 13000 GPH @ 10' HD	2 HP E	1,231	0.38		0.07	0.14	0.13		1				
5335	MOD SP300 3" - 19000 GPH @ 15' HD	4 HP E	1,520	0.62		0.08	0.17	0.27		1				
RIPPER & HYDRAULIC BANK SLOPER														
(DOES NOT INCLUDE COST OF POINT WEAR)														
ATECO														
5345	VRAR-1 D9H RADIAL LIFT		37,047	8.96	12.18	2.26	4.92	0.00	6.16	0.00				
5350	D-9H SHANKS EA		2,901	0.70	0.95	0.18	0.39	0.00	0.48	0.00				
5355	LPAS-D8K PARALLEL LIFT		21,493	5.22	7.10	1.31	2.85	0.00	3.58	0.00				
5360	D-8K SHANKS EA		2,086	0.50	0.69	0.13	0.28	0.00	0.35	0.00				
5365	LPAS-D7G PARALLEL LIFT		17,882	4.36	5.92	1.09	2.37	0.00	2.98	0.00				
5370	D-7G SHANKS EA		1,273	0.31	0.41	0.08	0.17	0.00	0.21	0.00				
5375	PS D6D RADIAL LIFT		8,155	2.02	2.73	0.50	1.08	0.00	1.35	0.00				
5380	D-6C SHANKS EA		283	0.07	0.10	0.02	0.04	0.00	0.05	0.00				
5385	V-LPRF-TD25C PARALLEL LIFT STD SVC		18,480	4.50	6.11	1.12	2.45	0.00	3.07	0.00				
5390	TD-25C SHANKS EA		1,669	0.40	0.54	0.10	0.22	0.00	0.27	0.00				
5395	V-LPRF-TD20E PARALLEL LIFT STD SVC		13,522	3.32	4.49	0.83	1.80	0.00	2.25	0.00				
5400	TD-20E SHANKS EA		1,218	0.30	0.41	0.08	0.17	0.00	0.21	0.00				
5405	PS-TD15C RADIAL LIFT		7,610	1.90	2.55	0.46	1.01	0.00	1.26	0.00				
5410	TD-15C SHANKS EA		263	0.07	0.08	0.02	0.04	0.00	0.04	0.00				
5415	V-LPRF 82-50 PARALLEL LIFT STD SVC		20,858	5.07	6.89	1.27	2.77	0.00	3.47	0.00				
5420	82-50 SHANKS EA		1,669	0.40	0.54	0.10	0.22	0.00	0.27	0.00				

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

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

(DOES NOT INCLUDE COST OF POINT WEAR)														
ATECO (CONT'D)														
5425	LPRS-82-50	PARALLEL LIFT EXT SVC	20,276	4.93	6.70	1.24	2.69	0.00	3.37	0.00				
5430	82-50	SHANKS EA	3,871	0.92	1.26	0.23	0.51	0.00	0.64	0.00				
5435	V-LPRF-82-30	PARALLEL LIFT	18,480	4.50	6.11	1.12	2.45	0.00	3.07	0.00				
5440	82-30	SHANKS EA	1,669	0.40	0.54	0.10	0.22	0.00	0.27	0.00				
5445	D9,D8;82-30,82-50;TD25	HYDR BANK SLOP	7,924	1.65	2.07	0.44	0.90	0.00	1.05	0.00				
CATERPILLAR														
5455	D-10 MULTI-SHANK BEAM		44,854	10.83	14.73	2.74	5.96	0.00	7.45	0.00				
5460	D-10 SHANKS EA		3,285	0.79	1.08	0.20	0.44	0.00	0.55	0.00				
5465	D-10 SINGLE-SHANK BEAM		47,814	11.55	15.70	2.92	6.36	0.00	7.95	0.00				
5470	D-9L MULTI-SHANK BEAM W/HYD-CONTROL		38,232	9.24	12.57	2.33	5.08	0.00	6.36	0.00				
5475	D-9L SHANKS EA		2,957	0.71	0.97	0.18	0.39	0.00	0.49	0.00				
5480	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK		35,612	8.61	11.71	2.17	4.73	0.00	5.92	0.00				
5485	D-8K MULTI-SHANK BEAM HYD-CONTROL		24,789	6.03	8.17	1.52	3.30	0.00	4.12	0.00				
5490	D-8K SHANKS EA		1,661	0.40	0.54	0.10	0.22	0.00	0.27	0.00				
5495	D-8K SINGLE-SHANK BEAM HYD-CNTL&SHANK		24,067	5.85	7.94	1.47	3.20	0.00	4.00	0.00				
5500	D-7G MULTI-SHANK BEAM HYD-CONTROL		14,412	3.52	4.78	0.88	1.91	0.00	2.39	0.00				
5505	D-7G SHANKS EA		861	0.20	0.28	0.05	0.11	0.00	0.14	0.00				
5510	D-6D MULTI-SHANK BEAM HYD-CONTROL		9,021	2.24	3.02	0.55	1.20	0.00	1.50	0.00				
5515	D-6D SHANKS EA		438	0.11	0.15	0.03	0.06	0.00	0.08	0.00				
5520	D-4E MULTI-SHANK BEAM HYD-CONTROL		5,564	1.41	1.88	0.34	0.74	0.00	0.92	0.00				
5525	D-4E SHANKS EA		235	0.06	0.08	0.02	0.03	0.00	0.04	0.00				
5530	D-3B FIVE-SHANK BEAM HYD-CONTROL		2,469	0.66	0.88	0.15	0.33	0.00	0.41	0.00				
5535	D-3B SHANKS EA		131	0.02	0.05	0.00	0.01	0.00	0.03	0.00				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT	
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.				
			AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
RIPPER & HYDR BANK SLOPER (CONT'D)										
(DOES NOT INCLUDE COST OF POINT WEAR)										
FIAT-ALLIS										
5545	41-R W/HYD-CNTL AND 2 SHANKS	50,546	12.18	16.57	3.08	6.72	0.00	8.40	0.00	195
5550	31-R W/HYD-CNTL AND 2 SHANKS	40,998	9.88	13.45	2.49	5.44	0.00	6.81	0.00	189
5555	30-R W/HYD-CNTL AND 2 SHANKS	26,615	6.43	8.75	1.62	3.53	0.00	4.42	0.00	108
5560	RP20B W/HYD-CNTL AND 3 SHANKS	25,154	6.08	8.28	1.53	3.34	0.00	4.19	0.00	88
ROLLER, RUBBER TIRED, SELF-PROPELLED										
FERGUSON										
5570	MOD SP-912	12 TON	85 HP D	31,046	10.03	1.69	3.32	3.23		82
5575	MOD SP-915	15 TON	85 HP D	33,070	10.40	1.80	3.53	3.23		105
5580	MOD SP-1118	18 TON	85 HP D	43,763	12.48	2.39	4.69	3.23		111
5585	MOD SP-1130	31 TON	125 HP D	73,183	20.59	3.88	7.37	4.75		228
INGRAM										
5595	9-2800-P	12 TON	76 HP D	28,069	9.02	1.53	2.99	2.89		73
5600	9-2800-PA	12 TON	76 HP D	30,187	9.43	1.65	3.22	2.89		86
5605	9-3400-P	15 TON	78 HP D	30,893	9.64	1.68	3.29	2.96		97
5610	11-2700	15 TON	107 HP G	29,774	16.04	1.62	3.16	8.26		89
5615	11-2700	15 TON	76 HP D	33,153	10.02	1.81	3.53	2.89		91
5620	13-2300	15 TON	107 HP G	31,125	16.30	1.68	3.28	8.26		86
5625	13-2300	15 TON	76 HP D	34,518	10.30	1.88	3.66	2.89		90
5630	9-6000	27 TON	117 HP D	75,531	20.26	4.09	7.97	4.45		205
TAMPO										
5640	SP-312	12 TON	68 HP D	31,227	9.25	1.71	3.34	2.58		66
5645	SP-518	15 TON	68 HP D	38,706	10.84	2.07	4.00	2.58		95
5650	SP-950	27 TON	130 HP D	78,887	21.49	4.28	8.34	4.94		198
5655	SP-1070 M	35 TON	130 HP D	96,208	24.96	5.20	10.12	4.94		258

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	FUEL				
ROLLER, RUBBER TIRED, TOWED													
FERGUSON													
5665	RT-100S	50 TON		51,021	9.58		2.44	4.07	0.00	200			
5670	RT-120S	60 TON		59,410	12.09		2.94	5.16	0.00	218			
SOUTHWEST													
5680	C 75	75 TON		65,167	12.24		3.07	5.04	0.00	363			
5685	C 50	50 TON		57,888	10.94		2.83	4.89	0.00	309			
5690	C 100	100 TON		91,113	17.19		4.50	7.88	0.00	551			
TAMPO													
5700	R-13	14 TON		7,931	1.63		0.41	0.75	0.00	35			
ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED													
FERGUSON													
5710	MOD 112	40"X48" 3-7 TON		10,976	2.20		0.61	1.20	0.00	65			
5715	MOD 112W	40"X48" 4.5-8 TON		13,957	2.77		0.77	1.53	0.00	91			
5720	MOD 112W-48	48"X48" 5-10 TON		14,384	2.85		0.79	1.57	0.00	105			
5725	MOD 120	60"X60" 8-18 TON		21,539	4.22		1.19	2.36	0.00	157			
5730	MOD 120 MOD	60"X60" 8-18 TON		32,948	6.40		1.82	3.61	0.00	230			
5735	MOD 120-RE	60"X60" 11-22.5TON		49,874	9.62		2.75	5.46	0.00	327			
5740	MOD 22	60"X72" 16-20 TON		32,621	6.34		1.80	3.57	0.00	215			
5745	MOD 22 MOD	60"X72" 16-20 TON		37,993	7.36		2.10	4.16	0.00	269			
5750	MOD 144-RE	60"X72" 19-24 TON		58,706	11.30		3.23	6.42	0.00	385			
TAMPO													
5760	H-1 TF	40"X48" 2.6TON		4,862	1.05		0.27	0.53	0.00	32			
5765	H-2 TF	40"X48" 5 TON		9,833	1.99		0.54	1.07	0.00	63			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	COND.	SEVERE	COND.					
			AVERAGE	SEVERE										
ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED														
CATERPILLAR														
5775	815 B	40.5"X38"	170 HP D	136,788	34.10	7.55	14.97	6.46		418				
5780	825C	51"X41.5"	310 HP D	209,255	54.52	11.54	22.90	11.78		633				
5785	825C	W/S BLADE	310 HP D	220,292	56.63	12.15	24.11	11.78		684				
HYSER														
5795	C455-B	TANDEM 80"X80" ARTIC	330 HP D	230,245	59.47	12.70	25.20	12.54		573				
ROLLER, SMOOTHII WHEEL, SELF-PROPELLED														
FERGUSON														
5805	3-5 TON	TANDEM	39 HP D	22,210	6.08	1.22	2.43	1.48		73				
5810	4-6 TON	TANDEM	39 HP D	26,902	6.98	1.49	2.95	1.48		92				
5815	5-8 TON	TANDEM	85 HP D	37,069	11.07	2.04	4.05	3.23		121				
5820	8-10 TON	TANDEM	85 HP D	39,834	11.61	2.20	4.36	3.23		162				
5825	8-12 TON	TANDEM	85 HP D	43,045	12.22	2.37	4.71	3.23		164				
5830	10-14 TON	TANDEM	85 HP D	47,091	12.99	2.59	5.15	3.23		206				
INGRAM														
5840	12 TON EB 3 WHEEL 3" OVERLAP	107 HP G	47,707	19.34	2.63	5.22	8.26			194				
5845	12 TON EB 3 WHEEL 3" OVERLAP	85 HP D	51,087	13.75	2.82	5.59	3.23			196				
5850	14 TON EB 3 WHEEL 3" OVERLAP	107 HP G	50,598	19.88	2.79	5.53	8.26			221				
5855	14 TON EB 3 WHEEL 3" OVERLAP	85 HP D	53,978	14.31	2.98	5.91	3.23			223				
5860	4-6 TON FB 2 WHEEL	TANDEM	54 HP G	22,480	9.46	1.24	2.46	4.17		82				
5865	6-9 TON GB 2 WHEEL	TANDEM	107 HP G	31,865	16.32	1.76	3.49	8.26		133				
5870	6-9 TON GB 2 WHEEL	TANDEM	76 HP D	35,245	10.30	1.95	3.86	2.89		135				
5875	8-12 TON HB 2 WHEEL	TANDEM	107 HP G	38,631	17.61	2.13	4.23	8.26		171				
5880	8-12 TON HB 2 WHEEL	TANDEM	76 HP D	42,011	11.59	2.32	4.60	2.89		173				
5885	10-14 TON HB 2 WHEEL	TANDEM	107 HP G	42,015	18.26	2.32	4.60	8.26		258				
5890	10-14 TON HB 2 WHEEL	TANDEM	76 HP D	45,402	12.24	2.50	4.97	2.89		262				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
ROLLER, VIBRATORY, SINGLE DRUM, TOWED ****= TP=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS											
	DYNAPAC										
5900	CK-11	40HZ 30"X55"	5 TON	18 HP G	11,581	5.34	0.70	1.49	1.92	31	
5905	CF-11	40HZ TF 30"X55"	5 TON	18 HP G	14,181	6.00	0.86	1.82	1.92	32	
5910	CH-47	27HZ 47"X74"	13 TON	43 HP D	28,839	10.19	1.74	3.70	2.28	130	
5915	CF-47	27HZ TF 47"X74"	13 TON	43 HP D	31,302	10.82	1.89	4.01	2.28	135	
5920	CK-51	25HZ 59"X83"	24 TON	95 HP D	44,551	17.62	2.70	5.72	5.03	221	
5925	CF-51	25HZ TF 59"X83"	24 TON	95 HP D	46,680	18.16	2.83	5.99	5.03	216	
	FERGUSON										
5935	65	25HZ TF 60"X72"	11 TON	49 HP D	33,27	11.72	2.01	4.27	2.60	110	
5940	652	30HZ TF 44"X72"	11 TON	49 HP D	36,170	12.45	2.19	4.64	2.60	127	
5945	230	25HZ 66"X78"	20 TON	77 HP D	53,957	18.83	3.26	6.92	4.08	234	
5950	230T	25HZ TF 55"X78"	21 TON	77 HP D	58,942	20.11	3.56	7.56	4.08	268	
	HYSSTER										
5960	C200B	30HZ 48"X60"	9 TON	36 HP D	28,209	9.57	1.71	3.62	1.91	80	
5965	C210A	30HZ TF 58"X60"	9 TON	39 HP D	33,618	11.15	2.03	4.31	2.07	100	
	RAYGO										
5975	SF-54A	TF 38HZ 30"X54"	7.5TON	30 HP D	17,153	6.35	1.04	2.20	1.59	48	
5980	SM-54A	38HZ 30"X54"	7.5TON	30 HP D	15,556	5.95	0.94	2.00	1.59	48	
	SOUTHWEST										
5990	756	25HZ TF 66"X78"23.5TON	75 HP D		67,704	22.21	4.09	8.69	3.97	240	
5995	566	33HZ TF 56"X72"25.5TON	50 HP D		51,615	16.47	3.12	6.62	2.65	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					
ROLLER, VIBRATORY, SD, TOWED (CONT'D)													
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS													
TAMPO													
6005	VC-80	27HZ	48"X60"	7.5TON	36 HP D	20,899	7.70	1.26	2.68	1.91	71		
6010	VS-125	25HZ TF	48"X72"	11 TON	60 HP D	41,600	14.55	2.51	5.33	3.18	145		
6015	VC-400	23HZ	60"X84"	21.5TON	90 HP D	56,274	20.28	3.40	7.22	4.77	227		
ROLLER, VIB, SINGLE DRUM, SELF-PROPELLED													
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS													
DYNAPAC													
6025	CA-15	29HZ	48"X66"	11 TON	73 HP D	51,185	17.91	3.08	6.51	3.87	126		
6030	CA-15A	42HZ	48"X66"	12 TON	73 HP D	57,216	19.49	3.44	7.24	3.87	137		
6035	CA-15PD	29HZ TF	53"X66"	13 TON	73 HP D	64,281	21.26	3.86	8.15	3.87	151		
6040	CA-25A	40HZ	60"X84"	18 TON	125 HP D	76,839	27.98	4.59	9.64	6.62	213		
6045	CA-25	28HZ	60"X84"	18 TON	125 HP D	61,313	24.01	3.65	7.62	6.62	193		
6050	CA-25S	28HZ	61"X84"	22 TON	125 HP D	64,878	24.92	3.87	8.08	6.62	216		
6055	CA-25PD	28HZ	68"X84"	22 TON	125 HP D	74,340	27.33	4.43	9.29	6.62	240		
6060	CA-30	28HZ	61"X84"	22 TON	125 HP D	68,231	25.78	4.06	8.51	6.62	235		
6065	CA-30D	28HZ	61"X84"	22 TON	125 HP D	84,855	30.02	5.07	10.64	6.62	245		
FERGUSON													
6075	SP 266	42HZ	48"X66"	15 TON	125 HP D	67,843	25.54	4.11	8.71	6.62	213		
6080	SP 75BA	30HZ	60"X84"	18 TON	85 HP D	61,006	21.30	3.63	7.60	4.50	197		
6085	SP 75D	30HZ	60"X84"	22.5 TON	120 HP D	66,733	25.08	3.98	8.32	6.36	193		
6090	SP 75DT	30HZ TF	60"X84"	22.5 TON	120 HP D	76,203	27.49	4.54	9.53	6.36	237		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	
	ROLLER, VIBRATORY, SD, S/P (CONT'D) ***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	INGERSOLL RAND									
6100	SPF-56 30HZ TF 56"X84" 21 TON 115 HP D	76,457	27.21		4.56	9.56	6.09			222
6105	SP-60DD 25HZ 60"X100" 30 TON 210 HP D	120,890	44.86		7.24	15.22	11.13			450
	RAYGO									
6115	RASCAL 220A 30HZ TP38"X48" 6 TON 70 HP D	50,359	17.50		3.04	6.42	3.71			97
6120	RASCAL 303A 38HZ 48"X66" 8 TON 70 HP D	51,034	17.68		3.06	6.45	3.71			137
6125	RASCAL 320A 25HZ TP48"X60" 8 TON 80 HP D	68,921	22.90		4.16	8.80	4.24			151
6130	RASCAL 320S 25HZ 48"X60" 8 TON 80 HP D	58,799	20.34		3.54	7.46	4.24			144
6135	RUSTLER 304A 28HZ 48"X66" 8 TON 70 HP D	55,270	18.76		3.32	7.00	3.71			130
6140	RASCAL 400A 25HZ 59"X84" 13.5TON 88 HP D	64,457	22.39		3.84	8.03	4.66			213
6145	RUSTLER 404B 28HZ 59"X84" 13.5TON 88 HP D	75,771	25.27		4.53	9.50	4.66			184
6150	RASCAL 410A 25HZ 59"X84" 13.5TON 88 HP D	76,430	25.44		4.56	9.56	4.66			246
6155	RASCAL 420C 25HZ TP60"X84" 16 TON 119 HP D	84,906	29.64		5.08	10.67	6.31			223
6160	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	73,368	27.09		4.38	9.17	6.62			209
6165	RASCAL 510A 25HZ 60"X80" 22.5TON 119 HP D	94,689	32.56		5.50	11.24	6.31			374
6170	RASCAL 600A 25HZ 60"X100" 22.5TON 119 HP D	82,514	29.44		4.76	9.67	6.31			332
6175	RASCAL 450A 28HZ 59"X84" 28.5TON 125 HP D	77,914	28.43		4.58	9.47	6.62			263
	TAMPO									
6185	RS-16A 26HZ 48"X24" 7.5TON 68 HP D	50,513	17.41		3.03	6.39	3.60			124
6190	RS-16 26HZ 48"X24" 8 TON 68 HP D	44,202	15.78		2.66	5.61	3.60			115
6195	RS-16D 26HZ 48"X24" 8 TON 80 HP D	53,739	19.01		3.23	6.83	4.24			123
6200	RH-16A 26HZ 48"X24" 9 TON 75 HP D	58,992	20.03		3.54	7.48	3.97			153
6205	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	59,138	20.40		3.56	7.53	4.24			127
6210	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	77,110	27.06		4.60	9.65	5.83			212
6215	RS-28C 25HZ 60"X84" 15 TON 107 HP D	64,112	23.55		3.82	7.99	5.67			202

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
ROLLER, VIBRATORY,SD,S/P (CONT'D)														
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
TAMPO (CONT'D)														
6220	RS-28D	25HZ	60"X84"	15 TON	107 HP	D	69,317	24.87	4.13	8.65	5.67	208		
6225	RH-28D	28HZ	60"X84"	22.5TON	110 HP	D	88,432	29.96	5.29	11.11	5.83	259		
ROLLER,VIB,DOUBLE DRUM,SELF-PROPELLED														
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
DYNAPAC														
6235	LR-50	60HZ	TANDEM	2 TON	16 HP	D	9,075	3.36	0.55	1.16	0.85	25		
6240	CC-10	50HZ	TANDEM	2 TON	34 HP	D	26,443	8.98	1.60	3.39	1.80	50		
6245	CC-21	50HZ	TANDEM	4 TON	71 HP	D	59,302	19.80	3.58	7.61	3.76	133		
6250	CC-42II	42HZ	TANDEM	12 TON	125 HP	D	75,964	27.61	4.60	9.75	6.62	200		
6255	CC-50A	40HZ	TANDEM	18 TON	155 HP	D	96,124	34.73	5.82	12.34	8.21	304		
6260	CC-50S	28HZ	TANDEM	22 TON	181 HP	D	110,512	40.11	6.68	14.18	9.59	342		
6265	CC-50PD	28HZ	TF TANDEM	22 TON	225 HP	D	124,643	46.61	7.54	16.00	11.92	419		
RAYGO														
6275	REBEL 1-36	40HZ	TANDEM	2 TON	16 HP	D	9,301	3.42	0.56	1.19	0.85	23		
6280	ROMPER 2-36	40HZ	TANDEM	4 TON	35 HP	D	22,489	8.04	1.36	2.88	1.85	40		
6285	RUSTLER 5604A	50HZ	TANDEM	5.5TON	70 HP	D	58,713	19.59	3.55	7.53	3.71	132		
6290	RUSTLER 7204A	38HZ	TANDEM	8 TON	115 HP	D	80,736	28.17	4.89	10.37	6.09	250		
6295	RANGER 2-66	38HZ	TANDEM	8 TON	119 HP	D	93,902	31.80	5.68	12.05	6.31	215		
TAMPO														
6305	RS-03	60HZ	36"X24"	2 TON	14 HP	D	9,157	3.26	0.56	1.18	0.74	23		
6310	RS-144A	50HZ	42"X48"	8 TON	52 HP	D	46,463	15.28	2.81	5.96	2.76	100		
6315	RS-166A	36HZ	48"X66"	16 TON	80 HP	D	70,190	23.18	4.25	9.01	4.24	192		
6320	RS-188A	36HZ	60"X84"	30 TON	156 HP	D	95,087	34.53	5.75	12.20	8.27	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.	OWNER-SHIP	FUEL	OWNER-SHIP				
ROLLER, VIBRATORY, DD, S/P (CONT'D)													
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS													
TAMPO (CONT'D)													
6325	RH-199 25HZ 60"X96" 45 TON 262 HP D	142,143	53.51		8.60	18.24	13.89			491			
SCRAPERS, SELF-PROPELLED													
***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)													
CATERPILLAR													
6335	613-B 13 T 11 CY P.S. 150 HP D	115,990	33.05	43.80	6.07	11.33	5.85	13.18	7.65	324			
6340	621-B 24 T 14-20 CY P.S. 330 HP D	233,251	64.40	86.40	12.15	23.39	11.55	27.34	15.18	648			
6345	623-B 25 T 22 CY P.S. 330 HP D	259,528	70.38	93.71	13.56	25.20	12.87	29.28	16.83	713			
6350	627-B 24 T 14-20 CY P.S. 225/225 HP D/D	272,036	77.69	102.60	14.61	29.02	16.65	34.07	21.60	726			
6355	627-B PP 24 T 14-20 CY P.S. 225/225 HP D/D	288,689	80.71	106.35	15.53	30.90	16.65	36.28	21.60	768			
6360	631-D 37.5T 21-31 CY P.S. 450 HP D	350,916	89.32	117.02	18.75	37.09	15.75	43.52	20.70	934			
6365	633-D 37.5T 34 CY P.S. 450 HP D	400,183	99.97	130.05	21.41	40.87	17.55	47.67	22.95	1038			
6370	637-D 37.5T 21-31 CY P.S. 450/255 HP D/D	432,042	122.18	160.94	23.24	46.26	26.08	54.32	33.84	1040			
6375	637-D PP 37.5T 21-31 CY P.S. 450/255 HP D/D	450,418	125.54	165.08	24.26	48.35	26.08	56.76	33.84	1087			
6380	641-B 47 T 28-38 CY P.S. 550 HP D	437,057	110.62	144.78	23.37	46.26	19.25	54.27	25.30	1167			
6385	651-B 52 T 32-44 CY P.S. 550 HP D	455,092	113.81	148.74	24.37	48.30	19.25	56.68	25.30	1191			
6390	657-B 52 T 32-44 CY P.S. 550/400 HP D/D	561,366	159.47	209.48	30.24	60.31	35.15	70.82	45.60	1435			
CLARK													
6400	110-9 11 T 9.5CY P.S. 160 HP D	96,166	28.27	36.83	5.14	9.77	6.24	11.38	8.16	286			
6405	110-11B 13 T 11 CY P.S. 174 HP D	110,536	31.90	41.51	5.90	11.25	6.79	13.12	8.87	345			
6410	110-15B 18 T 15 CY P.S. 232 HP D	145,134	40.10	52.48	7.72	14.64	9.05	17.06	11.83	456			
6415	110H-TB 19 T 16 CY P.S. 140/140 HP D/D	197,359	53.85	70.94	10.62	21.14	10.36	24.82	13.44	521			
6420	210-HB 26.5T 23 CY P.S. 324 HP D	242,651	63.26	82.40	12.97	24.72	12.64	28.83	16.52	710			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL	SEVERE OWNER-SHIP	COND. FUEL										
			AVERAGE	SEVERE															
SCRAPERS, SELF-PROPELLED (CONT'D) ***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)																			
FIAT-ALLIS																			
6430	161 18.7 T 15 CY P.S.	229 HP D	158,588	42.34	55.25	8.46	16.10	8.93	18.77	11.68 449									
6435	260B 25.0 T 15-21 CY P.S.	325 HP D	213,606	56.75	74.43	11.40	22.54	11.37	26.44	14.95 584									
6440	261B 26.5 T 23 CY P.S.	325 HP D	242,675	62.97	81.86	13.00	24.84	12.67	28.98	16.57 630									
6445	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	258,451	77.35	102.29	13.86	27.49	18.35	32.25	23.81	679									
6450	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	306,028	85.52	112.13	16.51	32.97	18.35	38.73	23.81	742									
INTERNATIONAL																			
6460	412B 13 T 11 CY P.S.	168 HP D	113,527	32.04	41.62	6.08	11.61	6.55	13.54	8.57 335									
6465	431B 24 T 14-21 CY P.S.	326 HP D	226,710	59.48	78.01	12.10	23.90	11.41	28.02	15.00 594									
6470	433B 24 T 14-21 CY P.S. 326/185 HP D/D	266,180	79.46	104.93	14.28	28.36	18.91	33.28	24.53	690									
6475	442B 25 T 22 CY P.S.	326 HP D	253,400	65.58	85.48	13.53	25.78	12.71	30.06	16.63 680									
6480	444B 25 T 22 CY P.S. 326/185 HP D/D	299,006	85.99	113.44	16.06	31.94	18.91	37.49	24.53	805									
JOHN DEERE																			
6490	JD762 13.7 T 11 CY P.S.	175 HP D	119,558	33.54	43.50	6.41	12.27	6.82	14.31	8.92 355									
6495	JD862 20.0 T 16 CY P.S.	250 HP D	160,964	43.78	57.10	8.59	16.36	9.75	19.07	12.75 492									
TEREX (GM)																			
6505	S-23E 26.5T 23 CY P.S.	310 HP D	240,533	62.52	81.64	12.82	24.38	12.09	28.43	15.81 658									
6510	S-24B 40.8T 24-34 CY P.S.	475 HP D	372,113	96.61	127.69	19.71	38.64	16.62	45.28	21.85 955									
6515	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	236,206	62.74	82.97	12.68	25.19	10.66	29.56	13.82	544									
6520	TS-18 30 T 18-24 CY P.S. 295/225 HP D/D	310,688	88.52	116.61	16.71	33.25	19.24	39.04	24.96	721									
6525	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	417,045	115.17	151.79	22.43	44.64	22.90	52.40	29.71	959									
6530	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	474,426	134.09	178.18	25.37	50.21	26.53	58.90	34.42	1084									

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															
SCRAPER, TRACTOR DRAWN																			

ROME																			
6545	ROME 18T 12-17CY HYDR/CONTROL	66,757	11.86	14.30	3.30	6.08	0.00	6.85	0.00	235									
6550	ROME 27T 18-26CY HYDR/CONTROL	88,589	16.04	19.42	4.32	7.85	0.00	8.84	0.00	365									
SOUTHWEST																			
6560	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	34,070	6.11	7.37	1.67	3.05	0.00	3.44	0.00	137									
TRACTOR, CRAWLER (DOZER)																			

CATERPILLAR																			
6570	D-3B P.S. 65 HP D	35,578	11.39	14.64	1.95	3.69	2.66	4.29	3.51	126									
6575	3P POWER ANGLE & POWER TILT	7,273	1.51	1.92	0.40	0.82	0.00	0.97	0.00	24									
6580	D-4E P.S. 75 HP D	44,470	13.90	17.86	2.44	4.61	3.07	5.37	4.05	173									
6585	4A ANGLE BLADE HYDRAULIC	9,406	1.94	2.45	0.52	1.06	0.00	1.25	0.00	28									
6590	4S STRAIGHT BLADE HYDRAULIC	7,328	1.52	1.92	0.40	0.82	0.00	0.97	0.00	25									
6595	D-5B P.S. 105 HP D	74,328	22.15	28.40	4.08	7.71	4.30	8.98	5.67	223									
6600	5A ANGLE BLADE HYDRAULIC	11,686	2.39	3.03	0.65	1.32	0.00	1.55	0.00	43									
6605	5S STRAIGHT BLADE HYDRAULIC	9,008	1.86	2.35	0.50	1.02	0.00	1.19	0.00	32									
6610	D-6D P.S. 140 HP D	101,632	30.09	38.58	5.58	10.54	5.74	12.27	7.56	274									
6615	6S STRAIGHT BLADE HYDRAULIC	11,801	2.42	3.06	0.66	1.34	0.00	1.57	0.00	49									
6620	6A ANGLE BLADE HYDRAULIC	13,347	2.71	3.45	0.74	1.50	0.00	1.77	0.00	53									
6625	D-7G P.S. 200 HP D	145,864	43.14	55.30	8.01	15.13	8.20	17.60	10.80	377									
6630	7S STRAIGHT BLADE HYDRAULIC	18,994	3.85	4.88	1.06	2.15	0.00	2.52	0.00	77									
6635	7U HYD. UNIVERSAL BLADE	20,809	4.20	5.35	1.15	2.35	0.00	2.77	0.00	84									
6640	7A ANGLE BLADE HYDRAULIC	16,570	3.36	4.27	0.92	1.87	0.00	2.20	0.00	68									
6645	D-8K P.S. 300 HP D	195,177	49.77	62.29	10.07	18.72	12.30	21.13	16.20	638									
6650	8S STRAIGHT BLADE HYDRAULIC	27,733	5.58	7.09	1.53	3.13	0.00	3.68	0.00	121									
6655	8U HYD. UNIVERSAL BLADE	30,561	6.13	7.81	1.69	3.44	0.00	4.06	0.00	133									
6660	8A ANGLE BLADE HYDRAULIC	23,506	4.73	6.02	1.30	2.65	0.00	3.12	0.00	116									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) (CONT'D)														
CATERPILLAR (CONT'D)														
6665	PUSH PLATE USE W/8S	718	0.20	0.24	0.05	0.09	0.00	0.10	0.00	4				
6670	D-9L P.S. 460 HP D	305,047	71.44	87.86	14.89	27.43	18.86	30.33	24.84	977				
6675	9S STRAIGHT BLADE HYDRAULIC	38,008	7.62	9.69	2.10	4.29	0.00	5.04	0.00	184				
6680	9A ANGLE BLADE HYDRAULIC	29,605	5.95	7.57	1.64	3.34	0.00	3.93	0.00	152				
6685	9U HYD. UNIVERSAL BLADE	40,185	8.04	10.24	2.22	4.53	0.00	5.33	0.00	195				
6690	9C CUSHION BLADE	33,409	6.70	8.53	1.85	3.77	0.00	4.43	0.00	154				
6695	REAR CUSHION PUSH BLOCK	10,063	2.11	2.66	0.55	1.13	0.00	1.33	0.00	54				
6700	FRONT PUSH PLATE	1,074	0.28	0.34	0.06	0.12	0.00	0.14	0.00	7				
6705	D-10 P.S. 700 HP D	514,539	116.70	143.21	25.11	46.26	28.70	51.16	37.80	1526				
6710	10S STRAIGHT BLADE HYDRAULIC	57,942	11.57	14.75	3.20	6.54	0.00	7.70	0.00	280				
6715	10U HYD. UNIVERSAL BLADE	63,733	12.72	16.21	3.52	7.19	0.00	8.46	0.00	289				
6720	FRONT PUSH PLATE	1,247	0.32	0.39	0.07	0.14	0.00	0.17	0.00	7				
6725	REAR PUSH BLOCK	17,654	3.57	4.54	0.98	1.99	0.00	2.34	0.00	48				
FIAT-ALLIS														
6735	8-B P.S. 88 HP D	54,317	16.79	21.56	2.98	5.63	3.61	6.56	4.75	189				
6740	8-HA ANGLE BLADE HYDRAULIC	7,977	1.65	2.08	0.44	0.90	0.00	1.05	0.00	30				
6745	8-HSU SEMI-U BLADE HYDRAULIC	7,966	1.63	2.06	0.44	0.90	0.00	1.05	0.00	30				
6750	10-C P.S. 122 HP D	72,872	22.75	29.21	4.01	7.56	5.00	8.80	6.59	256				
6755	10-HA ANGLE BLADE HYDRAULIC	8,882	1.83	2.32	0.49	1.00	0.00	1.18	0.00	36				
6760	10-HSU SEMI-U BLADE HYDRAULIC	10,865	2.20	2.80	0.60	1.22	0.00	1.44	0.00	38				
6765	14-C P.S. 150 HP D	101,779	30.66	39.33	5.59	10.55	6.15	12.29	8.10	306				
6770	14-HA ANGLE BLADE HYDRAULIC	13,596	2.77	3.51	0.75	1.53	0.00	1.80	0.00	51				
6775	14-HSU SEMI-U BLADE HYDRAULIC	13,575	2.74	3.49	0.75	1.53	0.00	1.80	0.00	51				
6780	20 P.S. 223 HP D	129,410	40.74	52.31	7.11	13.42	9.14	15.63	12.04	453				
6785	20-HA ANGLE BLADE HYDRAULIC	14,479	2.94	3.73	0.80	1.63	0.00	1.92	0.00	66				
6790	20-HS STRAIGHT BLADE HYDRAULIC	15,204	3.09	3.92	0.84	1.72	0.00	2.02	0.00	66				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) (CONT'D)														
FIAT-ALLIS (CONT'D)														
6795	20-HSU SEMI-U BLADE HYDRAULIC	20,633	4.14	5.28	1.14	2.32	0.00	2.74	0.00	79				
6800	30-C P.S. 300 HP D	193,252	49.43	61.87	9.98	18.54	12.30	20.92	16.20	636				
6805	30HSU HYD. SEMI-UNIVERSAL BLADE	28,743	5.76	7.33	1.59	3.25	0.00	3.82	0.00	127				
6810	30-HU FULL-U BLADE HYDRAULIC	29,165	5.84	7.44	1.61	3.29	0.00	3.88	0.00	114				
6815	31 P.S. 425 HP D	265,965	68.66	85.98	13.73	25.51	17.42	28.80	22.95	908				
6820	31-HSU SEMI-U BLADE HYDRAULIC	43,270	8.64	11.01	2.39	4.88	0.00	5.75	0.00	190				
6825	31-HU FULL-U BLADE HYDRAULIC	44,341	8.85	11.28	2.45	5.00	0.00	5.89	0.00	210				
6830	31-HC CUSHION BLADE	27,790	5.58	7.11	1.53	3.13	0.00	3.69	0.00	120				
6835	41-B P.S. 524 HP D	385,233	87.37	107.22	18.80	34.63	21.48	38.31	28.30	1128				
6840	41-HSU SEMI-U BLADE HYDRAULIC	50,013	9.98	12.73	2.76	5.64	0.00	6.65	0.00	222				
6845	41-HU FULL-U BLADE HYDRAULIC	57,279	11.42	14.56	3.17	6.46	0.00	7.61	0.00	254				
6850	41-HC CUSHION BLADE	31,861	6.39	8.15	1.76	3.59	0.00	4.24	0.00	120				
INTERNATIONAL														
6860	TD-7-E P.S. W/HYD BLADE	65 HP D	46,858	13.89	17.82	2.57	4.86	2.66	5.66	3.51				
6865	TD-8-E P.S. W/HYD BLADE	78 HP D	58,191	17.12	21.93	3.20	6.04	3.20	7.02	4.21				
6870	TD-12 P.S. W/HYD BLADE	110 HP D	80,788	23.85	30.57	4.44	8.38	4.51	9.75	5.94				
6875	TD-15-C P.S.	140 HP D	96,672	29.00	37.18	5.31	10.03	5.74	11.67	7.56				
6880	15D-2 HYD. SEMI-UNIVERSAL BLADE		11,089	2.25	2.86	0.61	1.25	0.00	1.47	0.00				
6885	15G-2 ANGLE BLADE HYDRAULIC		12,505	2.53	3.22	0.69	1.41	0.00	1.66	0.00				
6890	TD-20-E P.S. 210 HP D	144,840	43.47	55.72	7.96	15.03	8.61	17.48	11.34	414				
6895	20D-2 HYD. SEMI-UNIVERSAL BLADE		19,627	3.95	5.03	1.09	2.22	0.00	2.61	0.00				
6900	20G-2 ANGLE BLADE HYDRAULIC		13,251	2.69	3.41	0.74	1.50	0.00	1.76	0.00				
6905	TD-25-E P.S. 310 HP D	190,409	49.45	61.92	9.82	18.26	12.71	20.61	16.74	604				
6910	25D-2 HYD. SEMI-UNIVERSAL BLADE		24,161	4.84	6.17	1.33	2.72	0.00	3.21	0.00				
6915	25G-2 ANGLE BLADE HYDRAULIC		19,945	4.01	5.10	1.10	2.25	0.00	2.65	0.00				
6920	FRONT PUSHER CUSHION		8,386	1.73	2.19	0.46	0.94	0.00	1.11	0.00				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) (CONT'D)														
INTERNATIONAL (CONT'D)														
6925	REAR PUSHER CUSHION	4,870	1.09	1.36	0.27	0.55	0.00	0.65	0.00	23				
6930	FRONT PUSH BLOCK /S BLD	758	0.22	0.26	0.05	0.09	0.00	0.10	0.00	12				
JOHN DEERE														
6940	JD350C/6305 D.D. W/HYD BLADE	42 HP D	31,048	9.15	11.74	1.71	3.22	1.72	3.75	2.27				
6945	JD450C/6405 D.D. W/HYD BLADE	65 HP D	43,243	13.08	16.80	2.37	4.48	2.66	5.22	3.51				
6950	JD550/6405 P.S. W/HYD BLADE	72 HP D	51,646	15.33	19.66	2.84	5.36	2.95	6.23	3.89				
KOMATSU														
6960	D31A-16 H.S.	63 HP D	35,220	11.21	14.40	1.93	3.65	2.58	4.25	3.40				
6965	ANGLE TILTDOZER BLADE		5,710	1.19	1.50	0.32	0.65	0.00	0.76	0.00				
6970	D45A-1 H.S.	90 HP D	52,886	16.58	21.30	2.90	5.48	3.69	6.38	4.86				
6975	ANGLE TILTDOZER BLADE		4,081	0.86	1.08	0.23	0.46	0.00	0.54	0.00				
6980	D53A-16A H.S.	118 HP D	77,492	23.55	30.21	4.25	8.03	4.84	9.35	6.37				
6985	ANGLE TILTDOZER BLADE		6,797	1.40	1.77	0.38	0.77	0.00	0.90	0.00				
6990	D65E-6 H.S.	155 HP D	109,622	32.67	41.90	6.02	11.37	6.35	13.24	8.37				
6995	ANGLE TILTDOZER BLADE		8,874	1.81	2.30	0.49	1.00	0.00	1.18	0.00				
7000	D85A-18 H.S.	220 HP D	137,778	42.43	54.46	7.56	14.29	9.02	16.64	11.88				
7005	ANGLE TILTDOZER BLADE		13,888	2.81	3.56	0.77	1.57	0.00	1.84	0.00				
7010	U-DOZER BLADE		14,818	2.99	3.81	0.82	1.67	0.00	1.97	0.00				
7015	D155A-1 H.S.	320 HP D	197,976	51.29	64.25	10.22	18.99	13.12	21.44	17.28				
7020	ANGLE TILTDOZER BLADE		19,060	3.83	4.88	1.06	2.15	0.00	2.53	0.00				
7025	U-DOZER BLADE		20,131	4.04	5.15	1.12	2.27	0.00	2.67	0.00				
7030	D355A-3 H.S.	410 HP D	266,714	68.02	85.12	13.76	25.58	16.81	28.88	22.14				
7035	U-DOZER BLADE		25,908	5.19	6.61	1.43	2.92	0.00	3.44	0.00				
7040	STRAIGHT DOZER BLADE		23,589	4.73	6.02	1.30	2.66	0.00	3.13	0.00				
7045	D455A-1 H.S.	620 HP D	472,111	105.96	129.94	23.04	42.44	25.42	46.95	33.48				
7050	FULL U-DOZER BLADE		62,365	12.42	15.84	3.45	7.03	0.00	8.28	0.00				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
TRACTOR, CRAWLER (DOZER) (CONT'D)																			
KOMATSU (CONT'D)																			
7055	U-DOZER BLADE	58,615	11.69	14.90	3.25	6.62	0.00	7.79	0.00	211									
7060	STRAIGHT DOZER BLADE	54,863	10.94	13.95	3.03	6.19	0.00	7.29	0.00	193									
TEREX (GM)																			
7070	82-20B P.S. (W/O BLADE) 205 HP D	149,468	44.21	56.67	8.21	15.51	8.40	18.05	11.07	409									
7075	SEMI-U BLADE HYDRAULIC	13,961	2.82	3.59	0.77	1.57	0.00	1.86	0.00	58									
7080	ANGLE BLADE HYDRAULIC	15,629	3.15	4.01	0.86	1.76	0.00	2.08	0.00	69									
7085	FULL-U BLADE HYDRAULIC	16,002	3.23	4.10	0.89	1.81	0.00	2.12	0.00	68									
7090	82-30B P.S. (W/O BLADE) 260 HP D	172,633	43.75	54.73	8.91	16.56	10.66	18.69	14.04	555									
7095	SEMI-U BLADE HYDRAULIC	19,738	3.96	5.05	1.09	2.22	0.00	2.62	0.00	91									
7100	ANGLE BLADE HYD. W/DUAL TILT	25,881	5.19	6.61	1.43	2.92	0.00	3.44	0.00	118									
7105	FULL-U BLADE HYDRAULIC	22,400	4.50	5.73	1.24	2.53	0.00	2.98	0.00	107									
7110	REAR CUSHION PUSH BLOCK	6,494	1.40	1.75	0.36	0.73	0.00	0.86	0.00	30									
7115	82-50B P.S. (W/O BLADE) 370 HP D	245,737	62.27	77.89	12.68	23.57	15.17	26.60	19.98	776									
7120	SEMI-U BLADE HYDRAULIC	25,790	5.17	6.58	1.43	2.91	0.00	3.42	0.00	118									
7125	FULL-U BLADE HYDRAULIC	28,265	5.66	7.21	1.56	3.19	0.00	3.75	0.00	129									
7130	ANGLE BLADE HYDRAULIC	25,080	5.03	6.41	1.39	2.83	0.00	3.34	0.00	157									
7135	PUSH PLATE (WELD ON)	1,044	0.26	0.32	0.06	0.12	0.00	0.14	0.00	6									
7140	PUSH BLOCK (CUSHION REAR)	5,984	1.29	1.61	0.34	0.68	0.00	0.79	0.00	21									
TRACTOR, WHEEL TYPE (DOZER)																			
CATERPILLAR																			
7150	814-B ARTICULATED ST BLADE P.S. 210 HP D	140,222	36.29	48.47	7.55	14.57	7.98	17.02	10.50	420									
7155	824-C ARTICULATED ST BLADE P.S. 310 HP D	216,612	56.73	77.46	11.54	22.02	11.78	25.70	15.50	621									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
TRACTOR, WHEEL TYPE (DOZER) (CONT'D)																			
CLARK																			
7165	280 ARTICULATED ST BLADE P.S. 274 HP D	235,708	58.83	80.70	12.54	23.90	10.41	27.88	13.70	691									
7170	380B ARTICULATED ST BLADE P.S. 473 HP D	383,978	93.49	125.65	20.41	38.85	17.97	45.30	23.65	1233									
TRACTOR, WHEEL TYPE (FARM)																			
JOHN DEERE																			
7180	MOD 301 A 43 HP D	14,223	4.67	6.12	0.77	1.50	1.63	1.75	2.15	0									
7185	MOD 302 50 HP D	15,901	5.27	6.89	0.86	1.68	1.90	1.97	2.50	0									
7190	MOD 401 B 62 HP D	21,439	6.84	8.89	1.17	2.28	2.36	2.66	3.10	0									
TRENCHER, CHAIN - DITCH WITCH																			
7200	MOD C99 6"X24" TRENCH	9 HP G	3,021	1.54	2.02	0.16	0.30	0.69	0.36	0.91									
7205	MOD 2200 8"X36" TRENCH	17 HP G	13,372	4.56	5.88	0.74	1.41	1.31	1.64	1.71									
7210	MOD 2300 10"X36" TRENCH	28 HP G	15,315	6.08	7.85	0.84	1.62	2.16	1.89	2.82									
7215	MOD 6510 12"X54" TRENCH	64 HP D	33,748	10.26	13.25	1.84	3.53	2.43	4.12	3.20									
7220	MOD R100 10"X72" TRENCH	105 HP D	73,121	20.67	26.64	3.97	7.58	3.99	8.83	5.25									
TRENCHER, WHEEL TYPE																			
BARBER-GREENE																			
7230	MOD TA 56 16"X5'-10" TRENCH	100 HP D	118,971	29.82	38.28	6.55	12.69	3.80	14.83	5.00									
7235	MOD TA 65 28"X7'-6" TRENCH	175 HP D	171,733	44.54	57.22	9.45	18.31	6.65	21.41	8.75									
CLEVELAND																			
7245	MOD 247-HD-1 21"X7' TRENCH	84 HP D	134,777	32.36	41.49	7.42	14.38	3.19	16.80	4.20									
7250	MOD 400W-HD-1 36"X9' TRENCH	175 HP D	234,222	57.66	73.96	12.89	24.99	6.65	29.20	8.75									

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															
TRUCKS, HIGHWAY ***** (CHASSIS ONLY)																			
FORD																			
7265	F150	4X2 1/2T PKUP	6100 GVW 157 HP G	6,675	5.18	6.93	0.39	0.82	2.76	1.02	3.67	38							
7270	F150	4X4 1/2T PKUP	6250 GVW 157 HP G	8,287	5.56	7.47	0.50	1.03	2.76	1.28	3.67	42							
7275	F250	4X2 3/4T PKUP	6900 GVW 157 HP G	7,103	5.34	7.14	0.42	0.86	2.76	1.07	3.67	40							
7280	F250	4X4 3/4T PKUP	7400 GVW 157 HP G	8,599	5.71	7.65	0.51	1.05	2.76	1.30	3.67	44							
7285	F350	2AX	10000 GVW 157 HP G	8,121	5.66	7.55	0.47	0.96	2.76	1.19	3.67	42							
7290	F600	2AX	18500 GVW 154 HP G	14,708	11.62	15.14	0.86	1.75	6.31	2.17	8.11	65							
7295	F600	2AX	18500 GVW 162 HP D	20,313	9.13	12.10	1.19	2.46	3.66	3.06	4.76	65							
7300	F700	2AX	24500 GVW 177 HP G	17,026	13.34	17.39	1.00	2.05	7.25	2.54	9.32	65							
7305	F700	2AX	24500 GVW 162 HP D	22,945	9.67	12.83	1.35	2.80	3.66	3.47	4.76	73							
7310	F800	2AX	27000 GVW 177 HP G	19,148	13.83	18.04	1.12	2.29	7.25	2.84	9.32	72							
7315	F800	2AX	27000 GVW 162 HP D	24,449	10.29	13.61	1.42	2.87	3.66	3.55	4.76	76							
7320	LT800	3AX	43000 GVW 223 HP G	29,227	24.51	31.97	1.70	3.48	13.57	4.31	17.48	110							
7325	LT8000	3AX	44800 GVW 175 HP D	40,213	16.56	21.98	2.36	4.83	5.93	5.98	7.71	126							
7330	LTS8000	3AX	46000 GVW 175 HP D	42,085	17.01	22.57	2.46	5.02	5.93	6.22	7.71	130							
7335	LNT8000	3AX	46000 GVW 175 HP D	39,794	16.53	21.93	2.31	4.72	5.93	5.86	7.71	124							
7340	CT8000	3AX	46000 GVW 175 HP D	46,418	17.91	23.79	2.72	5.58	5.93	6.91	7.71	136							
7345	LT9000	3AX 58000 GVW	82000 GCW 239 HP D	61,052	24.30	32.27	3.54	7.21	8.10	8.92	10.53	172							
7350	LTS9000	3AX 60000 GVW	82000 GCW 239 HP D	64,840	25.14	33.36	3.77	7.66	8.10	9.47	10.53	180							
7355	LNT9000	3AX 60000 GVW	82000 GCW 239 HP D	61,490	24.44	32.42	3.56	7.23	8.10	8.94	10.53	175							
7360	CLT9000	3AX	82000 GCW 286 HP D	60,546	26.17	34.67	3.52	7.16	9.70	8.86	12.60	149							
GMC AND CHEVROLET																			
7370	C10903	4X2 1/2T PKUP	6200 GVW 165 HP G	7,120	5.50	7.34	0.42	0.87	2.90	1.08	3.86	42							
7375	C10906	4X2 WAGON	6400 GVW 165 HP G	8,824	5.87	7.85	0.53	1.09	2.90	1.35	3.86	47							
7380	K10906	4X4 WAGON	6800 GVW 165 HP G	9,921	6.11	8.21	0.59	1.23	2.90	1.53	3.86	51							
7385	C20903	4X2 3/4T PKUP	7100 GVW 165 HP G	8,360	5.78	7.72	0.50	1.03	2.90	1.28	3.86	48							
7390	K20903	4X4 3/4T PKUP	6800 GVW 165 HP G	9,570	6.07	8.14	0.57	1.18	2.90	1.47	3.86	51							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
TRUCKS, HIGHWAY (CONT'D)																			
***** (CHASSIS ONLY)																			
GMC AND CHEVROLET (CONT'D)																			
7395	C30903	2AX	9000 GVW 160 HP G	7,891	5.57	7.43	0.47	0.96	2.81	1.19	3.74	45							
7400	C5D042	2AX	16000 GVW 161 HP G	12,410	11.44	14.88	0.73	1.49	6.59	1.85	8.48	59							
7405	C6D042	2AX	19200 GVW 161 HP G	13,987	11.84	15.42	0.81	1.66	6.59	2.05	8.48	64							
7410	C6D042	2AX	21200 GVW 165 HP D	19,289	9.00	11.94	1.13	2.33	3.73	2.90	4.85	73							
7415	C7D042	2AX	23160 GVW 179 HP G	15,288	13.15	17.10	0.89	1.80	7.33	2.23	9.42	71							
7420	C7D042	2AX	27500 GVW 185 HP D	26,375	11.19	14.84	1.54	3.17	4.18	3.93	5.44	92							
7425	C7D064	3AX	44500 GVW 195 HP G	28,630	22.31	29.11	1.65	3.33	11.86	4.12	15.29	121							
7430	C7D064	3AX	44860 GVW 205 HP D	33,432	16.53	21.84	1.94	3.94	6.95	4.88	9.03	128							
7435	J8C042	2AX	35000 GVW 235 HP D	37,883	18.79	24.82	2.20	4.46	7.97	5.52	10.36	102							
7440	J8C064	3AX	44860 GVW 210 HP D	39,574	18.00	23.84	2.31	4.72	7.12	5.85	9.25	128							
7445	J9C042	2AX	35000 GVW 230 HP D	43,560	16.42	21.77	2.54	5.19	5.20	6.42	6.76	118							
7450	J9C064	3AX	50000 GVW 335 HP D	54,167	26.44	34.98	3.19	6.58	11.36	8.16	14.76	148							
7455	N9E064	3AX	56000 GVW 307 HP D	63,347	27.18	36.08	3.74	7.71	10.41	9.56	13.53	165							
7460	D9K064	3AX	69000 GCW 307 HP D	57,252	25.86	34.28	3.38	6.98	10.41	8.65	13.53	138							
INTERNATIONAL																			
7470	SCOUT	4X4	6200 GVW 97 HP G	7,740	4.05	5.45	0.46	0.95	1.70	1.18	2.27	30							
7475	1624	2AX	20000 GVW 147 HP G	11,725	10.56	13.72	0.69	1.41	6.02	1.74	7.74	57							
7480	1724	2AX	20000 GVW 147 HP G	12,131	10.64	13.84	0.71	1.46	6.02	1.81	7.74	65							
7485	1754	2AX	20000 GVW 165 HP D	16,948	8.45	11.17	1.00	2.07	3.73	2.57	4.85	71							
7490	1824	2AX	21000 GVW 189 HP G	12,886	13.07	16.96	0.76	1.56	7.74	1.93	9.95	68							
7495	1854	2AX	23000 GVW 180 HP D	19,378	9.46	12.52	1.14	2.35	4.07	2.91	5.29	74							
7500	1924	2AX	25000 GVW 190 HP G	15,099	13.64	17.74	0.88	1.80	7.78	2.23	10.00	79							
7505	1954	2AX	25000 GVW 210 HP D	25,030	11.50	15.24	1.48	3.07	4.75	3.81	6.17	100							
7510	F2554	3AX	43000 GVW 210 HP D	41,565	18.42	24.40	2.43	4.98	7.12	6.17	9.25	123							
7515	F2574	3AX	50000 GVW 230 HP D	49,787	20.98	27.85	2.92	6.02	7.80	7.47	10.14	123							
7520	F4370	3AX	46000 GVW 290 HP D	52,411	24.12	31.96	3.08	6.36	9.83	7.88	12.78	133							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
TRUCKS, HIGHWAY (CONT'D)													
(CHASSIS ONLY)													
INTERNATIONAL (CONT'D)													
7525	P5050	3AX 52000 GVW 225 HP D	50,697	20.96	27.83	2.98	6.14	7.63	7.62	9.92	138		
7530	P5070	3AX 52000 GVW 290 HP D	54,461	24.54	32.54	3.21	6.62	9.83	8.21	12.78	140		
KENWORTH													
7540	K100	3AX 47400 GVW 72800 GCW 290 HP D	67,070	27.19	36.14	3.97	8.21	9.83	10.18	12.78	138		
7545	W900	3AX 50000 GVW 76800 GCW 290 HP D	68,295	27.45	36.49	4.04	8.37	9.83	10.38	12.78	140		
7550	C500	3AX 56000 GVW 86000 GCW 290 HP D	75,342	28.89	38.47	4.46	9.26	9.83	11.50	12.78	144		
PETERBILT													
7560	MOD 348	3AX 56000 GVW 250 HP D	64,669	25.05	33.31	3.81	7.84	8.47	9.72	11.02	121		
7565	MOD 362	3AX 50000 GVW 76800 GCW 350 HP D	71,247	30.65	40.69	4.22	8.74	11.86	10.84	15.42	131		
7570	MOD 359	3AX 50000 GVW 76800 GCW 350 HP D	76,953	31.83	42.29	4.57	9.47	11.86	11.75	15.42	134		
7575	MOD 353	3AX 73000 GVW 125000 GCW 350 HP D	79,986	32.44	43.15	4.74	9.85	11.86	12.24	15.42	174		
7580	MOD 387	3AX 83000 GVW 150000 GCW 350 HP D	107,747	38.17	50.94	6.43	13.40	11.86	16.64	15.42	193		
TRUCK ACCESSORIES													
(CHASIS NOT INCLUDED)													
CRANES, HYDRAULIC													
7590	5.3T ² 5'RAD	24000 GVW MIN	21,874	4.98		1.33	2.92	0.00			79		
7595	8.0T ² 3'RAD	26500 GVW MIN	26,538	6.04		1.63	3.56	0.00			84		
7600	12.5T ² 4'RAD	27000 GVW MIN	41,182	9.30		2.51	5.51	0.00			142		
7605	13.5T ² 4'RAD	44000 GVW MIN	51,424	11.59		3.14	6.88	0.00			158		
7610	15.0T ² 4'RAD	48000 GVW MIN	58,610	13.20		3.57	7.84	0.00			211		
DUMP BODY, REAR, W/HOIST													
7620	5CY 24000 TO 26000 GVW		5,538	1.32	1.77	0.34	0.74	0.00	0.93	0.00	26		
7625	AIR GATE 8CY 27000 TO 30000 GVW		8,748	2.04	2.74	0.53	1.17	0.00	1.46	0.00	44		
7630	AIR GATE 10CY 36000 AND UP GVW		8,845	2.07	2.77	0.55	1.19	0.00	1.48	0.00	45		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRUCK ACCESSORIES (CONT'D) ***** (CHASIS NOT INCLUDED)														
DUMP BODY, REAR, W/HOIST (CONT'D)														
7635	AIR GATE 12CY 36000 AND UP GVW	8,972	2.09	2.81	0.55	1.20	0.00	1.50	0.00	46				
FLATBEDS														
7645	8'X9.5'	1,780	0.40		0.11	0.24	0.00			11				
7650	8'X10.5'	1,836	0.42		0.12	0.25	0.00			12				
7655	8'X12.5'	2,005	0.44		0.12	0.26	0.00			14				
7660	8'X14.5'	2,384	0.53		0.15	0.32	0.00			16				
7665	8'X16.5'	2,611	0.58		0.16	0.35	0.00			18				
7670	FLATBED-HOIST	2,486	0.55		0.15	0.33	0.00			10				
7675	FLATBED-SIDEBOARDS	713	0.16		0.05	0.10	0.00			3				
HOISTS, ELECTRIC														
7685	1500LB@1.75'	1,932	0.51		0.12	0.26	0.00			4				
7690	2400LB@3'	2,489	0.63		0.15	0.33	0.00			6				
7695	5000LB@4'	6,787	1.60		0.42	0.91	0.00			15				
7700	6000LB@6'	7,555	1.77		0.46	1.01	0.00			14				
TRANSIT MIXERS														
7710	7 CY 40000 ~ 50000 GVW RQD	24,041	5.49		1.46	3.21	0.00			63				
7715	8 CY 50000 ~ 70000 GVW RQD	24,412	5.59		1.49	3.27	0.00			66				
7720	8.5CY 55000 ~ 75000 GVW RQD	24,660	5.64		1.51	3.30	0.00			68				
7725	9 CY 61000 ~ 80000 GVW RQD	25,010	5.72		1.53	3.35	0.00			73				
WATER TANKS														
7735	2000 GAL 23500-28000 GVW	10,701	2.39		0.65	1.43	0.00			35				
7740	2500 GAL 25000-34950 GVW	11,270	2.51		0.68	1.50	0.00			39				
7745	3000 GAL 29000-40000 GVW	11,976	2.68		0.73	1.60	0.00			44				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
TRUCK TRAILERS																			

BOTTOM DUMP																			
7755	18CY 27T	26,176	4.96	6.24	1.40	2.77	0.00	3.24	0.00	122									
7760	20CY 30T	30,125	5.67	7.16	1.61	3.20	0.00	3.76	0.00	140									
7765	30CY 30T	29,807	5.61	7.09	1.59	3.16	0.00	3.72	0.00	160									
7770	28CY 42T	37,761	7.05	8.92	2.02	4.03	0.00	4.74	0.00	180									
7775	20CY 35T OFF-HIGHWAY	39,520	7.61	9.55	2.08	4.07	0.00	4.76	0.00	175									
7780	32CY 55T OFF-HIGHWAY	83,833	15.77	19.89	4.46	8.82	0.00	10.34	0.00	365									
7785	43CY 70T OFF-HIGHWAY	93,234	18.07	22.71	4.87	9.42	0.00	11.02	0.00	445									
END DUMP																			
7795	20CY 24T	31,112	5.82	7.34	1.67	3.33	0.00	3.90	0.00	146									
LOWBOY, RIGID NECK, DROP DECK																			
7805	25 TON 2 AXLE	19,466	3.30		1.03	1.79	0.00			89									
7810	30 TON 2 AXLE	22,163	3.72		1.17	2.04	0.00			94									
7815	35 TON 2 AXLE	26,867	4.47		1.42	2.49	0.00			109									
7820	35 TON 3 AXLE	27,364	4.66		1.44	2.50	0.00			134									
7825	40 TON 3 AXLE	28,939	4.93		1.51	2.62	0.00			144									
7830	50 TON 3 AXLE	31,569	5.38		1.65	2.86	0.00			161									
7835	60 TON 3 AXLE	34,782	6.29		1.76	2.91	0.00			188									
7840	70 TON 3 AXLE	46,035	8.00		2.38	4.04	0.00			213									
7845	75 TON 3 AXLE	46,985	8.14		2.43	4.14	0.00			228									
7850	80 TON 4 AXLE	55,158	9.16		2.92	5.13	0.00			266									
7855	90 TON 4 AXLE	60,860	10.49		3.16	5.41	0.00			297									
7860	110 TON 4 AXLE	66,947	11.52		3.48	5.95	0.00			313									
7865	120 TON 4 AXLE	76,031	12.86		3.98	6.87	0.00			351									
7870	HELPER DOLLY 60 T TRAILER MAX	15,858	2.80		0.82	1.39	0.00			62									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.								
					OWNER-SHIP	FUEL	OWNER-SHIP	FUEL						
TRUCK TRAILERS (CONT'D)														
PLATFORM TRAILERS														
7880	25 TON 2 AXLE	14,887	2.65		0.77	1.29	0.00		110					
PUP TRAILERS														
7890	8 CY LONG TONGUE	18,475	3.21		0.96	1.65	0.00		86					
7895	10CY LONG TONGUE	18,619	3.24		0.97	1.67	0.00		86					
TILT TRAILERS														
7905	12 TON 2 AXLE	9,605	1.75		0.50	0.84	0.00		62					
7910	16 TON 2 AXLE	9,889	1.78		0.51	0.86	0.00		65					
7915	20 TON 2 AXLE	11,224	2.06		0.57	0.95	0.00		67					
WATER TANKER TRAILERS														
7925	4000 GAL	63 HP D	28,174	7.18		1.42	2.72	2.39	120					
7930	5000 GAL	63 HP D	29,713	7.51		1.49	2.79	2.39	150					
7935	6000 GAL	63 HP D	31,028	7.69		1.56	2.92	2.39	160					
TRUCKS, OFF-HIGHWAY														
CATERPILLAR														
7945	769-C 35T 22-30 CY	P.S. 450 HP D	266,211	60.19	77.93	13.38	25.28	10.80	28.60	13.95	689			
7950	773-B 50T 30-45 CY	P.S. 650 HP D	373,933	85.76	111.39	18.74	35.34	15.60	39.98	20.15	890			
7955	777 85T 47-67 CY	P.S. 870 HP D	520,496	116.05	150.56	25.85	48.23	20.88	54.50	26.97	1346			
7960	768C PRIME MOVER TRACTOR	P.S. 450 HP D	234,625	55.39	72.06	11.75	22.12	10.80	25.02	13.95	506			
7965	772B PRIME MOVER TRACTOR	P.S. 650 HP D	351,735	84.55	111.20	17.47	32.60	15.60	36.83	20.15	705			
DJB (ARTICULATED FRAME)														
7975	D275B 27.5T 15-20 CY	P.S. 235 HP D	191,069	41.21	53.66	9.44	17.51	5.64	19.78	7.28	424			
7980	D330B 33T 17-23 CY	P.S. 255 HP D	215,620	44.08	56.35	10.83	20.47	6.12	23.16	7.90	444			
7985	D350B 35T 20-26 CY	P.S. 255 HP D	225,173	47.12	60.97	11.20	20.90	6.12	23.62	7.90	472			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.								
			AVERAGE	SEVERE			OWNER-SHIP	FUEL							
TRUCKS, OFF-HIGHWAY (CONT'D)															
DJB (CONT'D)															
(ARTICULATED FRAME)															
7990	D550	55T 32-43 CY	P.S. 450 HP D	377,018	78.93	101.82	18.79	35.21	10.80	39.80	13.95	834			
EUCLID															
8000	R25-215FD	25T 14-19 CY	P.S. 214 HP D	165,167	34.08	43.73	8.29	15.62	5.14	17.66	6.63	404			
8005	R35-302TD	35T 22-30 CY	P.S. 430 HP D	252,292	56.92	73.59	12.69	24.01	10.32	27.17	13.33	623			
8010	R50-301LD	50T 31-41 CY	P.S. 576 HP D	338,382	78.00	101.74	16.92	31.79	13.82	35.95	17.86	836			
8015	R75-301ND	75T 46-69 CY	P.S. 646 HP D	452,385	97.60	126.81	22.45	41.82	15.50	47.24	20.03	1123			
8020	R85-306ND	85T 52-67 CY	P.S. 746 HP D	463,662	103.46	134.88	22.92	42.55	17.90	48.05	23.13	1227			
INTERNATIONAL															
8030	350B	50T 31-42 CY	P.S. 580 HP D	350,517	79.61	103.78	17.65	33.43	13.92	37.83	17.98	740			
TEREX															
8040	33-03B	22T 15-18 CY	P.S. 215 HP D	143,787	33.31	44.04	7.12	13.24	5.16	14.95	6.66	400			
8045	33-05B	30T 19-23 CY	P.S. 321 HP D	207,894	46.46	60.40	10.42	19.63	7.70	22.21	9.95	525			
8050	33-07	40T 25-32 CY	P.S. 493 HP D	263,745	63.62	83.70	13.10	24.43	11.83	27.60	15.28	756			
8055	33-09	55T 34-44 CY	P.S. 624 HP D	356,471	84.45	111.00	17.72	33.08	14.98	37.37	19.34	992			
8060	33-11C	85T 51-65 CY	P.S. 840 HP D	488,208	110.19	143.32	24.19	45.00	20.16	50.84	26.04	1227			
WABCO															
8070	HAULPAK35D	35T 23-29 CY	P.S. 420 HP D	266,632	59.29	76.79	13.39	25.31	10.08	28.65	13.02	571			
8075	HAULPAK50B	50T 31-40 CY	P.S. 576 HP D	371,553	83.02	107.91	18.62	35.10	13.82	39.72	17.86	792			
8080	HAULPAK60	60T 34-48 CY	P.S. 576 HP D	408,196	90.75	118.65	20.38	38.24	13.82	43.24	17.86	850			
8085	75B	75T 44-57 CY	P.S. 665 HP D	451,322	100.78	131.49	22.56	42.39	15.96	47.94	20.61	915			
8090	85D	85T 47-67 CY	P.S. 818 HP D	524,631	115.01	149.18	26.07	48.64	19.63	54.96	25.36	1193			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRUCKS, WATER														
TRACTOR DRAWN - KLEIN														
8100	KT-50	5000 GAL. CAT 613B P.S. 150 HP D	119,648	25.66	31.70	6.02	10.02	5.70	11.13	7.50				
8105	KT-60	6000 GAL. CAT 621B P.S. 330 HP D	214,891	49.33	61.25	10.77	17.83	12.54	19.81	16.50				
8110	KT-80	8000 GAL. CAT 631D P.S. 450 HP D	296,669	63.13	84.65	14.83	24.46	17.10	27.17	22.50				
8115	KT-100	10000 GAL. CAT 631D P.S. 450 HP D	304,015	69.17	85.87	15.21	25.12	17.10	27.90	22.50				
8120	KT-100	10000 GAL. CAT 641B P.S. 550 HP D	355,001	82.22	102.22	17.73	29.20	20.90	32.42	27.50				
8125	KT-120	12000 GAL. CAT 651B P.S. 550 HP D	360,826	83.06	103.20	18.04	29.73	20.90	33.01	27.50				
TRACTOR DRAWN - SOUTHWEST														
8135	STT-60	6000 GAL. CAT 621B P.S. 330 HP D	219,780	50.02	62.07	11.03	18.27	12.54	20.30	16.50				
8140	STT-80	8000 GAL. CAT 631D P.S. 450 HP D	302,147	68.91	85.56	15.12	24.96	17.10	27.71	22.50				
8145	STT-100	10000 GAL. CAT 631D P.S. 450 HP D	306,554	63.53	86.30	15.35	25.35	17.10	28.16	22.50				
8150	STT-120	12000 GAL. CAT 651B P.S. 550 HP D	367,161	83.94	104.26	18.36	30.29	20.90	33.64	27.50				
8155	STT-140	14000 GAL. CAT 660B P.S. 550 HP D	370,635	84.43	104.84	18.54	30.60	20.90	33.99	27.50				
WAGONS, BOTTOM DUMP														
CATERPILLAR-ATHEY														
8160	621B/PW621B	33T 22-26CY P.S. 330 HP D	215,981	54.21	70.96	10.74	20.88	12.54	23.71	16.50				
8170	768B/PW768C	63T 42-48CY P.S. 450 HP D	329,168	80.60	105.42	16.25	31.37	17.10	35.61	22.50				
8175	772B/PW772B	100T 60-67CY P.S. 650 HP D	509,822	127.36	169.90	24.94	47.67	24.70	54.05	32.50				
EUCLID														
8185	B30-303TDT301W	30T 21-27CY P.S. 277 HP D	208,030	53.14	65.46	10.35	20.12	10.53	22.84	13.85				
8190	B70-203LDT147W	70T 47-62CY P.S. 423 HP D	366,836	80.71	103.13	18.43	36.26	16.07	41.24	21.15				

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	FUEL	OWNER-SHIP				
WAGONS, REAR DUMP *****													
CATERPILLAR-ATHEY													
8200	621B/PR621B 30T 20-24CY P.S. 330 HP D	227,338	56.09	73.31	11.30	21.99	12.54	24.98	16.50	590			
8205	631D/PR631D 40T 27-32CY P.S. 450 HP D	323,334	77.84	101.20	16.16	31.61	17.10	35.94	22.50	833			
WATER BLASTER *****													
AMERICAN AERO													
8210	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	30,121	17.21			2.11	4.99	5.10		42			
8220	WBD150 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	45,597	27.66			3.20	7.59	8.96		70			
WATER TANKS *****													
SKID MOUNTED													
8230	WST-8 8000 GAL. SOUTHWEST	13,800	1.98			0.71	1.38	0.00		107			
8235	WST-10 10000 GAL. SOUTHWEST	16,080	2.31			0.83	1.61	0.00		122			
8240	WST-12 12000 GAL. SOUTHWEST	18,710	2.68			0.96	1.87	0.00		142			
PORTABLE (WITH WHEELS)													
8250	EWT-8 8000 GAL. SOUTHWEST 8 HP G	25,126	4.47			1.28	2.44	0.62		130			
8255	EWT-10 10000 GAL. SOUTHWEST 8 HP G	28,389	4.93			1.44	2.76	0.62		170			
8260	EWT-12 12000 GAL. SOUTHWEST 8 HP G	31,492	5.37			1.60	3.07	0.62		185			
WELDERS *****													
ELECTRIC DRIVE - AC 3 PHASE 60 HZ													
8270	250 AMP SKID MTD 20 HP E	1,890	1.50			0.11	0.23	0.90		7			
8275	600 AMP SKID MTD 25 HP E	2,396	1.87			0.14	0.29	1.12		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												
8285	200 AMP	W/1 AXLE TRLR	14 HP G	2,448	2.30	0.16	0.34	1.33	11			
8290	250 AMP	W/1 AXLE TRLR	65 HP G	4,698	8.90	0.32	0.69	6.16	17			
8295	300 AMP	W/1 AXLE TRLR	65 HP G	4,811	8.92	0.32	0.70	6.16	17			
8300	400 AMP	W/1 AXLE TRLR	69 HP G	5,626	9.62	0.38	0.83	6.54	21			
8305	650 AMP	W/2 AXLE TRLR	85 HP G	7,116	11.91	0.48	1.04	8.06	22			
DIESEL ENGINE DRIVE												
8315	250 AMP	W/1 AXLE TRLR	38 HP D	6,172	3.89	0.42	0.92	1.79	21			
8320	300 AMP	W/1 AXLE TRLR	38 HP D	6,228	3.89	0.42	0.92	1.79	21			
8325	350 AMP	W/2 AXLE TRLR	63 HP D	7,884	5.80	0.53	1.16	2.96	25			
8330	400 AMP	W/2 AXLE TRLR	64 HP D	7,682	5.79	0.51	1.12	3.01	30			
MIG												
8340	250AMP W/WIRE FEED AND SHOP GEAR	10 HP E	2,605	1.03	0.16	0.32	0.45		5			
8345	300AMP W/WIRE FEED AND SHOP GEAR	20 HP E	2,753	1.65	0.17	0.34	0.90		5			
RECTIFIER												
8355	250 AMP	W/SHOP RUNNING GEAR	19 HP E	1,642	1.39	0.10	0.20	0.85	4			
8360	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,773	1.71	0.11	0.22	1.08	6			
8365	500 AMP	W/SHOP RUNNING GEAR	30 HP E	2,255	2.15	0.14	0.28	1.35	7			
8370	750 AMP	W/SHOP RUNNING GEAR	42 HP E	3,721	3.11	0.23	0.46	1.89	10			
TRANSFORMER-RECTIFIER												
8380	250 AMP	W/SHOP RUNNING GEAR	19 HP E	874	1.25	0.05	0.10	0.85	4			
8385	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,448	1.65	0.09	0.18	1.08	6			

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

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

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

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

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

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

Total Hourly Rate	= \$45.00/Hr.
Ownership Rate	(-) \$25.00/Hr.
Ownership adjusted for Age: (Ownership Rate) x (Oldest Age Adj. Factor)	
= (\$25.00) x (.38)	= (+) \$9.50/Hr.
Adjusted Total Hourly Rate	= \$29.50/Hr.

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

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

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

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

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW											
		1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972
485 PIPELAYERS		1.20	1.11	1.00	0.89	0.78	0.68	0.60	0.52				
PUMP, GROUT (SEE KEY NO. 105)													
495 PUMP, WATER, ENGINE DRIVE		1.14	1.08	1.00	0.89	0.77	0.68						
500 PUMP, WATER, ELECTRIC DRIVE		1.14	1.08	1.00	0.89	0.77	0.68						
510 RIPPERs		1.19	1.11	1.00	0.90	0.79							
525 ROLLERS, EXCEPT VIB. ROLLERS		1.13	1.08	1.00	0.89	0.80	0.70						
530 ROLLERS, VIBRATORY		1.13	1.09	1.00	0.89	0.79							
540 SCRAPERS, STANDARD		1.18	1.10	1.00	0.90	0.79	0.72						
542 SCRAPERS, TANDEM POWERED		1.18	1.10	1.00	0.90	0.79	0.72						
SCRAPERS, ELEVATING													
545 0 THRU 200 HP		1.18	1.11	1.00	0.89	0.78	0.71						
550 OVER 200 HP		1.18	1.11	1.00	0.89	0.78	0.71						
555 SCRAPERS, TRACTOR DRAWN		1.17	1.10	1.00	0.90	0.79	0.72	0.64	0.59				
SHOVELS, BACKHOES, & HYDRAULIC													
EXCAVATORS CRAWLER MOUNTED													
570 0 THRU 1 CY		1.14	1.08	1.00	0.91	0.81	0.73	0.67					
585 OVER 1 CY THRU 2-1/2 CY		1.14	1.08	1.00	0.91	0.81	0.73	0.67	0.63				
595 OVER 2-1/2 CY THRU 5 CY		1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.63	0.57	0.45		
600 OVER 5 CY		1.13	1.08	1.00	0.92	0.82	0.74	0.68	0.64	0.58	0.46	0.38	
601 OVER 2-1/2 CY ELECTRIC		1.13	1.07	1.00	0.92	0.82	0.75	0.69	0.65	0.59	0.47	0.40	0.36
TRACTOR, CRAWLER TYPE													
615 0 THRU 225 HP		1.21	1.12	1.00	0.89	0.77	0.67						
620 226 HP THRU 425 HP (PER		1.19	1.11	1.00	0.90	0.79	0.69	0.61	0.54				
UNIT FOR TANDEM TRACTORS)													
625 OVER 425 HP		1.18	1.10	1.00	0.90	0.80	0.71	0.63	0.56	0.52			
630 TRACTOR, BLADES, PUSH BLOCKS,		1.19	1.11	1.00	0.90	0.79	0.70						
PUSH PLATES & CLEARING BLADES													
645 TRACTOR, WHEEL TYPE		1.15	1.10	1.00	0.88	0.75	0.65						
650 TRENCHER		1.30	1.16	1.00	0.84	0.71	0.65						
655 TRAILERS, BOTTOM DUMP AND		1.14	1.09	1.00	0.89	0.76	0.68						
END DUMP													
660 TRAILERS, FLATBED, LO-BOY		1.16	1.10	1.00	0.87	0.73	0.63						
AND TILT													
TRUCK ACCESSORIES FOR													
CHASSIS MOUNTING													
670 DUMP BODIES		1.14	1.09	1.00	0.89	0.76							
675 ALL OTHER ACCESSORIES		1.14	1.09	1.00	0.89	0.76							
TRUCK, HIGHWAY													
690 0 THRU 10,000 GVW		1.17	1.08	1.00	0.85	0.75							
695 OVER 10,000 THRU 30,000 GVW		1.17	1.08	1.00	0.85	0.75							
705 OVER 30,000 GVW		1.17	1.08	1.00	0.85	0.75							
720 TRUCK, OFF-HIGHWAY		1.14	1.10	1.00	0.86	0.74	0.66	0.60	0.56				
765 WAGON, BOTTOM & REAR DUMP		1.14	1.10	1.00	0.87	0.74	0.67	0.62	0.58				
780 WAGON, WATER		1.16	1.12	1.00	0.85	0.70	0.62	0.55	0.51				
785 WATER BLASTER		1.14	1.09	1.00	0.88								
795 WATER TANKS		1.13	1.08	1.00	0.89	0.77	0.69	0.62	0.57				
810 WELDERS		1.16	1.10	1.00	0.87								
811 WELDERS ELECTRIC POWER		1.15	1.09	1.00	0.87	0.74							



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

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

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

Hourly Standby Rate = \$16.00/Hr.

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

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971
15	AGGREGATE SPREADERS	1.12	1.07	1.00	0.93	0.86	0.79							
30	AIR COMPRESSORS	1.14	1.07	1.00	1.04	0.97	0.86							
45	AIR TOOLS, SANDBLASTERS, ETC	1.15	1.08	1.00										
60	ASPHALT DISTRIBUTORS	1.12	1.07	1.00	0.93	0.86	0.78							
65	ASPHALT AND CONCRETE PAVERS	1.12	1.07	1.00	0.93	0.86	0.79							
70	ASPHALT KETTLES AND RECYCLERS	1.12	1.08	1.00	0.90	0.79								
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.12	1.07	1.00	0.90	0.80	0.72							
80	BRUSH CHIPPERS	1.12	1.07	1.00	0.90	0.80	0.72							
90	BUCKETS, CLAMSHELL & DRAGLINE	1.11	1.06	1.00	0.90	0.76	0.68							
95	BUCKETS, CONCRETE	1.11	1.06	1.00	0.90	0.76	0.68							
105	CONCRETE OR GROUT PUMP	1.12	1.08	1.00	0.90	0.79								
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.12	1.07	1.00	0.90	0.80	0.72							
125	CONCRETE FINISHERS & BUGGIES	1.12	1.07	1.00	0.90	0.80	0.72							
135	CONCRETE VIBRATORS	1.15	1.08	1.00										
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.14	1.08	1.00	1.05									
150	0 THRU 25 TON	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.67					
165	OVER 25 TON THRU 50 TON	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68	0.63				
170	OVER 50 TON THRU 150 TON	1.11	1.07	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.47		
180	OVER 150 TON DRAGLINE & CLAMSHELL, CRAWLER	1.11	1.06	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.48	0.46	
185	0 THRU 1 CY	1.12	1.07	1.00	0.93	0.84	0.77	0.71	0.67					
190	OVER 1 CY THRU 2-1/2 CY	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68	0.62				
195	OVER 2-1/2 CY THRU 5 CY	1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.68	0.63	0.53	0.46		
196	OVER 5 CY	1.11	1.06	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.48	0.46	
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.11	1.07	1.00	0.93	0.84	0.78	0.72	0.68	0.63	0.53			
	CRANES & HYD. EXC., TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68	0.63				
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.68	0.63	0.53	0.46		
230	66 THRU 125 T	1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.69	0.64	0.54	0.47	0.45	
240	OVER 125 T	1.11	1.06	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.47	0.46	0.44
255	DRILL, AUGER	1.13	1.09	1.00	0.87	0.76	0.71							
270	DRILL, BLAST HOLE	1.13	1.09	1.00	0.87	0.76	0.71							
300	DRILL, CORE	1.13	1.09	1.00	0.87	0.76	0.71							
315	DRILL, ROTARY TO 11" DIA. HOLE	1.13	1.08	1.00	0.87	0.77	0.72	0.66	0.64	0.61				
330	DRILL, ROTARY OVER 11" DIA.	1.12	1.08	1.00	0.88	0.78	0.73	0.67	0.65	0.62	0.56	0.51	0.49	
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.12	1.08	1.00	0.88	0.78	0.73	0.67	0.65	0.62	0.56	0.51	0.49	
375	FORK LIFTS	1.12	1.07	1.00	0.90	0.80	0.72							
390	GRADERS	1.15	1.09	1.00	0.91	0.82	0.76	0.69	0.65					
420	GENERATORS	1.16	1.09	1.00	0.89	0.75	0.72							
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.12	1.07	1.00	0.90	0.80	0.72							
440	LIGHT PLANTS	1.12	1.07	1.00	0.90	0.79	0.72							
450	LOADER, BELT	1.12	1.07	1.00	0.90	0.79	0.72							
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE LOADER, WHEEL TYPE	1.17	1.09	1.00	0.91	0.82	0.74							
465	0 THRU 225 HP	1.17	1.11	1.00	0.85	0.75	0.69							
470	OVER 225 HP	1.16	1.10	1.00	0.86	0.76	0.69	0.63	0.59					
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.17	1.11	1.00	0.85	0.75	0.68							
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.13	1.08	1.00	0.89									

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW											
		1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972
485 PIPELAYERS		1.16	1.09	1.00	0.92	0.82	0.74	0.68	0.62				
PUMP, GROUT (SEE KEY NO. 105)													
495 PUMP, WATER, ENGINE DRIVE	1.12	1.07	1.00	0.90	0.80	0.72							
500 PUMP, WATER, ELECTRIC DRIVE	1.12	1.07	1.00	0.90	0.80	0.72							
510 RIPPER	1.17	1.10	1.00	0.91	0.81								
525 ROLLERS, EXCEPT VIB. ROLLERS	1.11	1.07	1.00	0.91	0.83	0.75							
530 ROLLERS, VIBRATORY	1.11	1.07	1.00	0.91	0.82								
540 SCRAPERS, STANDARD	1.15	1.09	1.00	0.91	0.82	0.76							
542 SCRAPERS, TANDEM POWERED	1.15	1.09	1.00	0.91	0.82	0.76							
SCRAPERS, ELEVATING													
545 0 THRU 200 HP	1.15	1.09	1.00	0.91	0.82	0.76							
550 OVER 200 HP	1.15	1.09	1.00	0.91	0.82	0.76							
555 SCRAPPERS, TRACTOR DRAWN	1.15	1.09	1.00	0.91	0.82	0.76	0.69	0.65					
SHOVELS, BACKHOES, & HYDRAULIC													
EXCAVATORS CRAWLER MOUNTED													
570 0 THRU 1 CY	1.12	1.07	1.00	0.92	0.83	0.76	0.71						
585 OVER 1 CY THRU 2-1/2 CY	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.67					
595 OVER 2-1/2 CY THRU 5 CY	1.12	1.07	1.00	0.93	0.84	0.77	0.72	0.68	0.63	0.52			
600 OVER 5 CY	1.11	1.07	1.00	0.93	0.84	0.78	0.73	0.68	0.63	0.53	0.46		
601 OVER 2-1/2 CY ELECTRIC	1.11	1.07	1.00	0.93	0.85	0.78	0.73	0.69	0.64	0.54	0.47	0.46	0.44
TRACTOR, CRAWLER TYPE													
615 0 THRU 225 HP	1.17	1.09	1.00	0.91	0.82	0.74							
620 226 HP THRU 425 HP (PER													
UNIT FOR TANDEM TRACTORS)	1.16	1.09	1.00	0.91	0.82	0.74	0.67	0.62					
625 OVER 425 HP	1.16	1.09	1.00	0.92	0.83	0.75	0.68	0.62	0.58				
630 TRACTOR, BLADES, PUSH BLOCKS,													
PUSH PLATES & CLEARING BLADES	1.17	1.09	1.00	0.91	0.82	0.74							
645 TRACTOR, WHEEL TYPE	1.12	1.09	1.00	0.90	0.79	0.71							
650 TRENCHER	1.25	1.13	1.00	0.87	0.76	0.71							
655 TRAILERS, BOTTOM DUMP AND													
END DUMP	1.12	1.07	1.00	0.90	0.80	0.72							
660 TRAILERS, FLATBED, LO-BOY													
AND TILT	1.12	1.07	1.00	0.90	0.79	0.72							
TRUCK ACCESSORIES FOR													
CHASSIS MOUNTING													
670 DUMP BODIES	1.12	1.08	1.00	0.90	0.79								
675 ALL OTHER ACCESSORIES	1.12	1.08	1.00	0.90	0.79								
TRUCK, HIGHWAY													
690 0 THRU 10,000 GVW	1.14	1.07	1.00	0.88	0.79								
695 OVER 10,000 THRU 30,000 GVW	1.14	1.07	1.00	0.87	0.79								
705 OVER 30,000 GVW	1.14	1.07	1.00	0.87	0.79								
720 TRUCK, OFF-HIGHWAY	1.13	1.09	1.00	0.88	0.77	0.71	0.66	0.62					
765 WAGON, BOTTOM & REAR DUMP	1.13	1.09	1.00	0.88	0.77	0.70	0.66	0.62					
780 WAGON, WATER	1.12	1.09	1.00	0.88	0.77	0.71	0.66	0.62					
785 WATER BLASTER	1.13	1.08	1.00	0.90									
795 WATER TANKS	1.12	1.07	1.00	0.90	0.80	0.73	0.67	0.62					
810 WELDERS	1.13	1.08	1.00	0.89									
811 WELDERS ELECTRIC POWER	1.12	1.08	1.00	0.90	0.79								



TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

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

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

Total Hourly Rate (adjusted for age)	= \$38.50/Hr.
Ownership Rate (adjusted for age)	(-) \$18.50/Hr.
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adj. Factor)	
= (\$18.50) x (.85)	= (+) \$15.73/Hr.
Adjusted Total Hourly Rate	= <u>\$35.73/Hr.</u>

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

Service Life From APP. D	Equipment Usage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.98	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87
6,000	1.00	0.97	0.96	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.83
8,000	1.00	0.97	0.95	0.93	0.91	0.89	0.87	0.86	0.84	0.83	0.82	0.81	0.80
9,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.85	0.83	0.82	0.80	0.80	0.78
10,000	1.00	0.96	0.95	0.92	0.89	0.87	0.85	0.84	0.82	0.80	0.79	0.78	0.77
11,000	1.00	0.96	0.94	0.91	0.88	0.86	0.85	0.83	0.81	0.79	0.78	0.77	0.75
12,000	1.00	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.80	0.78	0.77	0.76	0.74
13,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.79	0.77	0.76	0.75	0.73
14,000	1.00	0.96	0.93	0.90	0.87	0.84	0.82	0.80	0.78	0.76	0.75	0.73	0.72
15,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.79	0.77	0.75	0.74	0.72	0.70
16,000	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
18,000	1.00	0.95	0.92	0.88	0.85	0.82	0.80	0.77	0.75	0.73	0.71	0.70	0.67
20,000	1.00	0.95	0.92	0.88	0.84	0.81	0.79	0.76	0.73	0.71	0.69	0.68	0.66
22,000	1.00	0.94	0.92	0.87	0.83	0.80	0.78	0.75	0.72	0.70	0.68	0.66	0.64
50,000	1.00	0.92	0.88	0.82	0.77	0.73	0.69	0.65	0.62	0.58	0.56	0.54	0.51

TABLE 3-5. HOURLY RATE ELEMENT

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	
1010	3.55	1.69	11.16	2.68	0.22	0.03	3.32	22.65							
1015	3.98	1.89	4.29	1.03	0.22	0.03	3.72	15.16							
1030	0.64	0.34	3.32	1.06	0.02	0.00	0.65	6.03							
1035	0.76	0.40	1.44	0.40	0.02	0.00	0.77	3.79							
1040	0.80	0.42	3.06	1.24	0.02	0.00	0.82	7.16							
1045	0.96	0.50	1.57	0.47	0.02	0.00	0.98	4.60							
1050	0.98	0.51	5.41	1.73	0.02	0.00	1.00	9.65							
1055	1.04	0.55	1.94	0.54	0.02	0.00	1.06	5.15							
1060	1.07	0.56	5.41	1.73	0.02	0.00	1.09	9.88							
1065	1.22	0.64	2.62	0.73	0.02	0.00	1.24	6.47							
1070	1.10	0.58	5.41	1.73	0.02	0.00	1.13	9.97							
1075	1.31	0.68	2.62	0.73	0.02	0.00	1.33	6.69							
1080	1.94	1.02	3.57	1.00	0.03	0.00	1.98	9.54							
1085	2.36	1.26	3.91	1.10	0.13	0.02	2.42	11.20							
1090	3.08	1.63	5.78	1.62	0.13	0.02	3.16	15.42							
1095	4.17	2.21	6.65	1.86	0.15	0.02	4.27	19.33							
1100	4.85	2.56	8.66	2.43	0.15	0.02	4.96	23.63							
1105	5.53	2.91	9.50	2.66	0.15	0.02	5.65	26.42							
1110	6.07	3.19	10.26	2.87	0.15	0.02	6.20	23.76							
1115	6.79	3.56	10.75	3.01	0.15	0.02	6.93	31.21							
1120	8.14	4.26	12.35	3.46	0.15	0.02	8.31	36.69							
1125	9.19	4.82	17.33	4.85	0.18	0.03	9.39	45.79							
1140	0.25	0.05	0.00	0.06	0.00	0.00	0.51	0.87							
1145	0.47	0.10	0.00	0.06	0.00	0.00	0.95	1.58							
1150	0.47	0.10	0.00	0.06	0.00	0.00	0.96	1.59							
1155	0.53	0.11	0.00	0.12	0.00	0.00	1.06	1.82							
1160	0.70	0.15	0.00	0.12	0.00	0.00	1.41	2.38							
1165	1.96	0.43	0.00	0.25	0.05	0.01	4.00	6.70							
1170	2.29	0.52	0.00	0.35	0.13	0.02	4.70	8.01							
1175	2.89	0.65	0.00	0.45	0.13	0.02	5.91	10.05							
1185	0.18	0.04	0.00	0.06	0.00	0.00	0.36	0.64							
1190	0.39	0.08	0.00	0.10	0.00	0.00	0.79	1.36							
1195	0.18	0.04	0.00	0.06	0.00	0.00	0.37	0.65							
1200	0.20	0.04	0.00	0.06	0.00	0.00	0.40	0.70							
1205	0.21	0.05	0.00	0.06	0.00	0.00	0.43	0.75							
1210	0.72	0.15	0.00	0.12	0.00	0.00	1.45	2.44							
1220	0.35	0.07	0.00	0.14	0.00	0.00	1.17	1.73							
1225	0.22	0.05	0.00	0.12	0.00	0.00	0.75	1.14							
1230	0.20	0.04	0.00	0.09	0.00	0.00	0.68	1.01							
1235	0.18	0.04	0.00	0.07	0.00	0.00	0.61	0.90							
1240	0.14	0.03	0.00	0.06	0.00	0.00	0.48	0.71							
1250	1.56	0.90	3.86	1.24	0.00	0.00	2.06	9.62							
1255	1.62	0.94	3.86	1.24	0.00	0.00	2.14	9.80							
1260	1.74	1.01	3.86	1.24	0.00	0.00	2.30	10.15							
1265	2.00	1.16	3.86	1.24	0.00	0.00	2.65	10.91							
1275	5.66	3.00	2.66	0.74	0.33	0.05	7.35	19.79							
1280	8.05	4.35	3.61	1.01	0.93	0.14	10.52	28.61							
1285	9.24	4.99	4.94	1.38	1.06	0.16	12.07	33.84							
1290	11.66	6.01	4.94	1.38	0.00	0.00	15.02	39.01							
1300	2.81	1.53	1.14	0.32	0.36	0.05	3.68	9.89							
1305	4.17	2.23	1.67	0.47	0.36	0.05	5.43	14.38							
1310	5.68	3.03	2.20	0.62	0.48	0.07	7.39	19.47							
1315	6.70	3.66	3.31	0.93	0.93	0.14	8.77	24.44							
1320	7.77	4.25	4.07	1.14	1.13	0.17	10.18	28.71							
1325	10.73	5.97	5.62	1.57	2.08	0.31	14.13	40.41							

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
1330	7.65	3.95	2.89	0.81	0.00	0.00	9.86	25.16							
1335	9.36	4.82	4.07	1.14	0.00	0.00	12.06	31.45							
1345	0.29	0.13	0.00	0.90	0.02	0.00	0.34	1.58							
1350	0.34	0.15	0.00	1.00	0.02	0.00	0.39	1.90							
1360	0.82	0.35	0.62	1.63	0.02	0.00	0.94	4.38							
1370	0.38	0.20	0.00	0.17	0.02	0.00	0.43	1.20							
1375	0.51	0.27	2.32	0.56	0.02	0.00	0.58	4.26							
1380	0.18	0.09	0.00	0.17	0.00	0.00	0.20	0.64							
1385	0.30	0.15	0.00	0.11	0.00	0.00	0.34	0.90							
1395	0.79	0.37	8.13	2.60	0.02	0.00	0.94	12.85							
1400	0.91	0.43	8.88	2.84	0.02	0.00	1.09	14.17							
1405	0.40	0.18	0.00	0.25	0.00	0.00	0.47	1.30							
1415	0.69	0.32	0.00	0.00	0.00	0.00	0.64	1.55							
1420	0.81	0.37	0.00	0.00	0.00	0.00	0.74	1.92							
1425	1.19	0.55	0.00	0.00	0.00	0.00	1.09	2.83							
1430	1.35	0.62	0.00	0.00	0.00	0.00	1.24	3.21							
1435	1.76	0.81	0.00	0.00	0.00	0.00	1.61	4.18							
1440	1.86	0.86	0.00	0.00	0.00	0.00	1.71	4.43							
1445	1.90	0.88	0.00	0.00	0.00	0.00	1.75	4.53							
1450	2.09	0.96	0.00	0.00	0.00	0.00	1.92	4.97							
1455	2.26	1.04	0.00	0.00	0.00	0.00	2.08	5.38							
1460	2.45	1.13	0.00	0.00	0.00	0.00	2.25	5.83							
1465	2.65	1.22	0.00	0.00	0.00	0.00	2.43	6.30							
1470	2.74	1.26	0.00	0.00	0.00	0.00	2.52	6.52							
1475	2.96	1.37	0.00	0.00	0.00	0.00	2.72	7.05							
1480	3.05	1.41	0.00	0.00	0.00	0.00	2.80	7.26							
1485	3.17	1.46	0.00	0.00	0.00	0.00	2.91	7.54							
1495	0.73	0.33	0.00	0.00	0.00	0.00	0.67	1.73							
1500	0.98	0.45	0.00	0.00	0.00	0.00	0.90	2.33							
1505	1.43	0.66	0.00	0.00	0.00	0.00	1.31	3.40							
1510	1.54	0.71	0.00	0.00	0.00	0.00	1.42	3.67							
1515	1.96	0.90	0.00	0.00	0.00	0.00	1.80	4.66							
1520	2.14	0.99	0.00	0.00	0.00	0.00	1.97	5.10							
1525	2.31	1.06	0.00	0.00	0.00	0.00	2.12	5.49							
1530	2.48	1.14	0.00	0.00	0.00	0.00	2.28	5.90							
1535	2.67	1.23	0.00	0.00	0.00	0.00	2.45	6.35							
1540	2.93	1.35	0.00	0.00	0.00	0.00	2.70	6.98							
1545	3.09	1.43	0.00	0.00	0.00	0.00	2.84	7.36							
1550	3.27	1.51	0.00	0.00	0.00	0.00	3.01	7.79							
1555	3.41	1.57	0.00	0.00	0.00	0.00	3.14	8.12							
1560	3.55	1.64	0.00	0.00	0.00	0.00	3.27	8.46							
1565	3.69	1.70	0.00	0.00	0.00	0.00	3.40	8.79							
1575	1.10	0.51	0.00	0.00	0.00	0.00	1.01	2.62							
1580	1.12	0.52	0.00	0.00	0.00	0.00	1.03	2.67							
1585	1.67	0.77	0.00	0.00	0.00	0.00	1.53	3.97							
1590	2.02	0.93	0.00	0.00	0.00	0.00	1.85	4.80							
1595	2.25	1.04	0.00	0.00	0.00	0.00	2.07	5.36							
1600	2.45	1.13	0.00	0.00	0.00	0.00	2.25	5.83							
1605	2.57	1.18	0.00	0.00	0.00	0.00	2.36	6.11							
1610	2.72	1.25	0.00	0.00	0.00	0.00	2.50	6.47							
1615	2.85	1.31	0.00	0.00	0.00	0.00	2.62	6.78							
1620	3.06	1.41	0.00	0.00	0.00	0.00	2.81	7.28							
1625	3.24	1.49	0.00	0.00	0.00	0.00	2.98	7.71							
1630	3.40	1.57	0.00	0.00	0.00	0.00	3.13	8.10							
1635	3.69	1.70	0.00	0.00	0.00	0.00	3.39	8.78							

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	REPR	
1640	3.80	1.75	0.00	0.00	0.00	0.00	3.49	9.04	4.75	1.79	0.00	0.00	0.00	0.00	4.99	11.53
1645	3.98	1.83	0.00	0.00	0.00	0.00	3.66	9.47	4.97	1.88	0.00	0.00	0.00	0.00	5.22	12.07
1655	0.10	0.05	0.00	0.00	0.00	0.00	0.10	0.25								
1660	0.13	0.06	0.00	0.00	0.00	0.00	0.12	0.31								
1665	0.17	0.08	0.00	0.00	0.00	0.00	0.16	0.41								
1670	0.24	0.11	0.00	0.00	0.00	0.00	0.22	0.57								
1675	0.31	0.14	0.00	0.00	0.00	0.00	0.28	0.73								
1685	0.45	0.21	0.00	0.00	0.00	0.00	0.42	1.08								
1690	0.47	0.22	0.00	0.00	0.00	0.00	0.43	1.12								
1695	0.49	0.23	0.00	0.00	0.00	0.00	0.45	1.17								
1700	0.64	0.30	0.00	0.00	0.00	0.00	0.59	1.53								
1705	0.67	0.31	0.00	0.00	0.00	0.00	0.61	1.59								
1710	0.97	0.45	0.00	0.00	0.00	0.00	0.89	2.31								
1715	1.16	0.53	0.00	0.00	0.00	0.00	1.06	2.75								
1725	0.52	0.24	0.00	0.00	0.00	0.00	0.48	1.24								
1730	0.59	0.27	0.00	0.00	0.00	0.00	0.54	1.40								
1735	0.67	0.31	0.00	0.00	0.00	0.00	0.62	1.60								
1740	0.75	0.34	0.00	0.00	0.00	0.00	0.69	1.78								
1745	0.87	0.40	0.00	0.00	0.00	0.00	0.80	2.07								
1760	0.23	0.11	0.00	0.00	0.00	0.00	0.21	0.55	0.29	0.11	0.00	0.00	0.00	0.00	0.31	0.71
1765	0.28	0.13	0.00	0.00	0.00	0.00	0.25	0.66	0.34	0.13	0.00	0.00	0.00	0.00	0.36	0.83
1770	0.34	0.16	0.00	0.00	0.00	0.00	0.31	0.81	0.42	0.16	0.00	0.00	0.00	0.00	0.44	1.02
1775	0.40	0.18	0.00	0.00	0.00	0.00	0.37	0.95	0.50	0.19	0.00	0.00	0.00	0.00	0.52	1.21
1780	0.47	0.22	0.00	0.00	0.00	0.00	0.43	1.12	0.58	0.22	0.00	0.00	0.00	0.00	0.61	1.41
1785	0.58	0.27	0.00	0.00	0.00	0.00	0.53	1.38	0.72	0.27	0.00	0.00	0.00	0.00	0.76	1.75
1790	0.64	0.29	0.00	0.00	0.00	0.00	0.59	1.52	0.80	0.30	0.00	0.00	0.00	0.00	0.84	1.94
1795	0.78	0.36	0.00	0.00	0.00	0.00	0.71	1.85	0.97	0.37	0.00	0.00	0.00	0.00	1.02	2.36
1800	0.82	0.38	0.00	0.00	0.00	0.00	0.76	1.96	1.03	0.39	0.00	0.00	0.00	0.00	1.08	2.50
1805	1.00	0.46	0.00	0.00	0.00	0.00	0.91	2.37	1.24	0.47	0.00	0.00	0.00	0.00	1.31	3.02
1810	1.08	0.50	0.00	0.00	0.00	0.00	0.99	2.57	1.35	0.51	0.00	0.00	0.00	0.00	1.42	3.28
1815	1.18	0.54	0.00	0.00	0.00	0.00	1.08	2.80	1.47	0.56	0.00	0.00	0.00	0.00	1.55	3.58
1820	1.31	0.60	0.00	0.00	0.00	0.00	1.20	3.11	1.63	0.62	0.00	0.00	0.00	0.00	1.72	3.97
1825	1.51	0.70	0.00	0.00	0.00	0.00	1.39	3.60	1.89	0.71	0.00	0.00	0.00	0.00	1.98	4.58
1830	1.64	0.76	0.00	0.00	0.00	0.00	1.51	3.91	2.05	0.77	0.00	0.00	0.00	0.00	2.15	4.97
1835	2.02	0.93	0.00	0.00	0.00	0.00	1.85	4.80	2.52	0.95	0.00	0.00	0.00	0.00	2.65	6.12
1840	2.32	1.07	0.00	0.00	0.00	0.00	2.13	5.52	2.90	1.10	0.00	0.00	0.00	0.00	3.05	7.05
1850	0.27	0.12	0.00	0.00	0.00	0.00	0.25	0.64	0.34	0.13	0.00	0.00	0.00	0.00	0.36	0.83
1855	0.33	0.15	0.00	0.00	0.00	0.00	0.31	0.79	0.42	0.16	0.00	0.00	0.00	0.00	0.44	1.02
1860	0.41	0.19	0.00	0.00	0.00	0.00	0.38	0.98	0.51	0.19	0.00	0.00	0.00	0.00	0.54	1.24
1865	0.49	0.23	0.00	0.00	0.00	0.00	0.45	1.17	0.61	0.23	0.00	0.00	0.00	0.00	0.64	1.48
1870	0.56	0.26	0.00	0.00	0.00	0.00	0.52	1.34	0.71	0.27	0.00	0.00	0.00	0.00	0.74	1.72
1875	0.68	0.31	0.00	0.00	0.00	0.00	0.62	1.61	0.84	0.32	0.00	0.00	0.00	0.00	0.89	2.05
1880	0.75	0.34	0.00	0.00	0.00	0.00	0.69	1.78	0.93	0.35	0.00	0.00	0.00	0.00	0.98	2.26
1885	0.90	0.41	0.00	0.00	0.00	0.00	0.82	2.13	1.12	0.42	0.00	0.00	0.00	0.00	1.18	2.72
1890	0.96	0.44	0.00	0.00	0.00	0.00	0.88	2.28	1.20	0.45	0.00	0.00	0.00	0.00	1.26	2.91
1895	1.23	0.57	0.00	0.00	0.00	0.00	1.13	2.93	1.53	0.58	0.00	0.00	0.00	0.00	1.61	3.72
1900	1.27	0.58	0.00	0.00	0.00	0.00	1.17	3.02	1.59	0.60	0.00	0.00	0.00	0.00	1.67	3.86
1905	1.45	0.67	0.00	0.00	0.00	0.00	1.33	3.45	1.81	0.68	0.00	0.00	0.00	0.00	1.90	4.39
1910	1.59	0.73	0.00	0.00	0.00	0.00	1.46	3.78	1.99	0.75	0.00	0.00	0.00	0.00	2.09	4.83
1915	1.91	0.88	0.00	0.00	0.00	0.00	1.75	4.54	2.39	0.90	0.00	0.00	0.00	0.00	2.51	5.80
1920	2.03	0.94	0.00	0.00	0.00	0.00	1.87	4.84	2.54	0.96	0.00	0.00	0.00	0.00	2.67	6.17
1925	2.59	1.19	0.00	0.00	0.00	0.00	2.38	6.16	3.24	1.22	0.00	0.00	0.00	0.00	3.40	7.86
1930	2.88	1.33	0.00	0.00	0.00	0.00	2.65	6.86	3.60	1.36	0.00	0.00	0.00	0.00	3.79	8.75
1940	1.08	0.50	0.00	0.00	0.00	0.00	1.00	2.58	1.35	0.51	0.00	0.00	0.00	0.00	1.42	3.28
1945	1.13	0.52	0.00	0.00	0.00	0.00	1.04	2.69	1.41	0.53	0.00	0.00	0.00	0.00	1.48	3.42

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	1.26	0.58	0.00	0.00	0.00	0.00	1.16	3.00	1.58	0.60	0.00	0.00	0.00	0.00	1.66	3.84
1955	1.69	0.78	0.00	0.00	0.00	0.00	1.55	4.02	2.11	0.80	0.00	0.00	0.00	0.00	2.22	5.13
1960	1.89	0.87	0.00	0.00	0.00	0.00	1.73	4.49	2.36	0.89	0.00	0.00	0.00	0.00	2.48	5.73
1965	1.95	0.90	0.00	0.00	0.00	0.00	1.79	4.64	2.44	0.92	0.00	0.00	0.00	0.00	2.56	5.92
1970	2.09	0.96	0.00	0.00	0.00	0.00	1.92	4.97	2.61	0.99	0.00	0.00	0.00	0.00	2.74	6.34
1975	2.65	1.22	0.00	0.00	0.00	0.00	2.44	6.31	3.32	1.25	0.00	0.00	0.00	0.00	3.48	8.05
1980	2.73	1.26	0.00	0.00	0.00	0.00	2.51	6.50	3.41	1.29	0.00	0.00	0.00	0.00	3.58	8.28
1985	3.47	1.60	0.00	0.00	0.00	0.00	3.19	8.26	4.34	1.64	0.00	0.00	0.00	0.00	4.56	10.54
1990	3.60	1.66	0.00	0.00	0.00	0.00	3.31	8.57	4.50	1.70	0.00	0.00	0.00	0.00	4.73	10.93
1995	4.29	1.97	0.00	0.00	0.00	0.00	3.94	10.20	5.36	2.02	0.00	0.00	0.00	0.00	5.63	13.01
2000	4.57	2.11	0.00	0.00	0.00	0.00	4.20	10.88	5.71	2.16	0.00	0.00	0.00	0.00	6.00	13.87
2010	0.74	0.34	0.00	0.00	0.00	0.00	0.68	1.76	0.92	0.35	0.00	0.00	0.00	0.00	0.97	2.24
2015	0.95	0.44	0.00	0.00	0.00	0.00	0.87	2.26	1.18	0.45	0.00	0.00	0.00	0.00	1.24	2.87
2020	1.30	0.60	0.00	0.00	0.00	0.00	1.19	3.09	1.62	0.61	0.00	0.00	0.00	0.00	1.71	3.94
2025	1.72	0.79	0.00	0.00	0.00	0.00	1.58	4.09	2.15	0.81	0.00	0.00	0.00	0.00	2.25	5.21
2030	2.57	1.18	0.00	0.00	0.00	0.00	2.36	6.11	3.21	1.21	0.00	0.00	0.00	0.00	3.37	7.79
2035	2.93	1.35	0.00	0.00	0.00	0.00	2.69	6.97	3.66	1.38	0.00	0.00	0.00	0.00	3.84	8.88
2040	3.55	1.64	0.00	0.00	0.00	0.00	3.26	8.45	4.44	1.68	0.00	0.00	0.00	0.00	4.66	10.78
2045	4.31	1.99	0.00	0.00	0.00	0.00	3.96	10.26	5.39	2.04	0.00	0.00	0.00	0.00	5.66	13.09
2050	5.23	2.41	0.00	0.00	0.00	0.00	4.81	12.45	6.54	2.47	0.00	0.00	0.00	0.00	6.87	15.88
2055	6.07	2.80	0.00	0.00	0.00	0.00	5.58	14.45	7.58	2.86	0.00	0.00	0.00	0.00	7.97	18.41
2065	0.20	0.06	0.32	0.08	0.00	0.00	0.27	0.93								
2070	0.16	0.05	0.32	0.08	0.00	0.00	0.21	0.82								
2075	0.21	0.06	0.53	0.13	0.00	0.00	0.29	1.22								
2080	0.27	0.08	0.53	0.13	0.00	0.00	0.37	1.38								
2085	0.35	0.11	0.64	0.15	0.00	0.00	0.48	1.73								
2090	0.14	0.04	0.32	0.08	0.00	0.00	0.18	0.76								
2095	0.21	0.06	0.75	0.18	0.00	0.00	0.29	1.49								
2100	0.40	0.12	0.96	0.23	0.00	0.00	0.54	2.25								
2105	0.43	0.13	0.37	0.09	0.00	0.00	0.57	1.59								
2110	0.68	0.20	0.53	0.13	0.00	0.00	0.92	2.46								
2115	1.40	0.42	0.53	0.13	0.00	0.00	1.89	4.37								
2120	1.35	0.40	0.42	0.10	0.00	0.00	1.81	4.08								
2125	1.52	0.45	0.42	0.10	0.00	0.00	2.05	4.54								
2130	1.71	0.51	0.48	0.11	0.00	0.00	2.31	5.12								
2135	2.08	0.62	0.69	0.17	0.00	0.00	2.80	6.36								
2145	0.11	0.05	0.42	0.13	0.00	0.00	0.12	0.83								
2155	0.11	0.05	0.58	0.19	0.00	0.00	0.11	1.04								
2160	0.41	0.19	1.33	0.43	0.00	0.00	0.44	2.80								
2165	0.53	0.25	1.33	0.43	0.00	0.00	0.57	3.11								
2175	8.81	4.54	5.40	1.51	0.00	0.00	11.35	31.61								
2180	15.64	8.06	7.90	2.21	0.00	0.00	20.15	53.96								
2185	27.63	14.25	9.50	2.66	0.00	0.00	35.60	89.64								
2195	1.72	0.90	3.86	1.24	0.03	0.01	2.23	9.99								
2200	8.02	4.14	3.80	1.06	0.00	0.00	10.34	27.36								
2210	2.10	0.81	0.67	0.19	0.06	0.01	2.51	6.35								
2215	2.36	0.90	1.12	0.31	0.04	0.01	2.81	7.55								
2220	0.89	0.34	0.00	0.18	0.00	0.00	1.06	2.47								
2225	1.42	0.54	0.00	0.28	0.00	0.00	1.70	3.94								
2235	4.15	1.57	3.47	0.97	0.02	0.00	4.94	15.12								
2245	4.89	1.86	6.16	1.72	0.02	0.00	5.82	20.47								
2250	12.36	4.73	13.29	3.72	0.24	0.04	14.76	49.14								
2260	4.32	1.64	3.75	1.05	0.02	0.00	5.15	15.93								
2265	6.70	2.57	8.51	2.38	0.13	0.02	8.00	28.31								
2270	6.89	2.64	8.51	2.38	0.13	0.02	8.23	28.80								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	
				WEAR	RPR							WEAR	RPR			
2275	12.91	5.00	11.07	3.10	0.60	0.09	15.46	48.23								
2280	18.90	7.29	11.07	3.10	0.68	0.10	23.61	63.75								
2285	23.44	9.09	15.12	4.23	1.17	0.18	28.08	81.31								
2290	23.72	9.20	15.12	4.23	1.17	0.18	28.41	82.03								
2300	10.89	5.94	2.79	0.50	0.00	0.00	10.12	30.23	13.06	6.04	3.53	0.64	0.00	0.00	13.88	37.15
2305	11.90	7.99	3.42	0.62	0.00	0.00	12.65	36.58	13.73	8.07	4.33	0.78	0.00	0.00	16.42	43.33
2310	11.38	8.55	2.74	0.49	0.00	0.00	9.78	32.94	13.14	8.63	3.53	0.64	0.00	0.00	12.23	38.17
2320	12.05	9.05	2.74	0.49	0.00	0.00	10.36	34.69	13.91	9.14	3.53	0.64	0.00	0.00	12.95	40.17
2330	12.75	9.57	2.74	0.49	0.00	0.00	10.95	36.50	14.71	9.66	3.53	0.64	0.00	0.00	13.69	42.23
2340	16.57	11.12	5.04	0.91	0.00	0.00	17.61	51.25	19.12	11.24	6.38	1.15	0.00	0.00	22.86	60.75
2345	15.06	11.31	4.03	0.73	0.00	0.00	12.94	44.07	17.37	11.41	5.21	0.94	0.00	0.00	16.17	51.10
2350	13.37	11.93	4.03	0.73	0.00	0.00	13.41	43.47	15.04	12.01	5.21	0.94	0.00	0.00	16.16	49.36
2355	17.02	15.19	4.03	0.73	0.00	0.00	17.07	54.04	19.15	15.28	5.21	0.94	0.00	0.00	20.57	61.15
2375	22.39	19.98	6.89	1.24	0.00	0.00	22.45	72.95	25.19	20.11	8.90	1.60	0.00	0.00	27.06	82.86
2385	23.37	20.85	6.89	1.24	0.00	0.00	23.43	75.78	26.29	20.99	8.90	1.60	0.00	0.00	28.24	86.02
2390	24.15	19.24	8.61	1.55	0.00	0.00	28.88	82.43	27.17	19.38	10.91	1.96	0.00	0.00	36.10	95.52
2400	26.53	23.68	6.89	1.24	0.00	0.00	26.60	84.94	29.85	23.83	8.90	1.60	0.00	0.00	32.07	96.25
2410	24.85	24.51	6.89	1.24	0.00	0.00	28.47	85.96	27.61	24.63	8.90	1.60	0.00	0.00	33.61	95.35
2420	26.87	26.51	6.89	1.24	0.00	0.00	30.79	92.30	29.86	26.64	8.90	1.60	0.00	0.00	36.35	103.35
2430	11.42	6.24	3.45	0.62	0.00	0.00	10.62	32.35	13.70	6.34	4.37	0.79	0.00	0.00	14.57	39.77
2440	8.96	6.73	2.76	0.50	0.00	0.00	7.70	26.65	10.34	6.79	3.56	0.64	0.00	0.00	9.63	30.96
2450	14.55	8.56	5.04	0.91	0.00	0.00	15.47	44.53	17.20	8.68	6.62	1.19	0.00	0.00	20.57	54.26
2455	12.39	8.32	4.32	0.78	0.00	0.00	13.17	38.98	14.30	8.41	5.47	0.98	0.00	0.00	17.10	46.26
2460	11.55	8.68	3.46	0.62	0.00	0.00	9.93	34.24	13.33	8.76	4.46	0.80	0.00	0.00	12.41	39.76
2470	20.31	11.94	6.23	1.12	0.00	0.00	21.59	61.19	24.00	12.11	8.19	1.47	0.00	0.00	28.71	74.48
2475	17.89	12.01	5.34	0.96	0.00	0.00	19.02	55.22	20.65	12.14	6.76	1.22	0.00	0.00	24.69	65.46
2480	23.93	17.07	7.17	1.29	0.00	0.00	28.62	78.08	27.35	17.22	9.43	1.70	0.00	0.00	36.34	92.04
2490	22.91	16.34	7.17	1.29	0.00	0.00	27.40	75.11	26.19	16.49	9.43	1.70	0.00	0.00	34.80	88.61
2495	20.59	16.41	6.15	1.11	0.00	0.00	24.63	68.89	23.17	16.52	7.79	1.40	0.00	0.00	30.79	79.67
2500	18.81	16.78	4.92	0.89	0.00	0.00	18.85	60.25	21.16	16.89	6.35	1.14	0.00	0.00	22.73	68.27
2510	23.40	20.68	5.83	1.05	0.00	0.00	23.46	74.62	26.33	21.01	7.53	1.36	0.00	0.00	28.28	84.51
2515	24.08	19.19	7.29	1.31	0.00	0.00	28.80	80.67	27.09	19.32	9.23	1.66	0.00	0.00	36.00	93.30
2525	28.97	20.66	8.61	1.55	0.00	0.00	34.64	94.43	33.10	20.85	11.32	2.04	0.00	0.00	43.99	111.30
2530	27.42	19.56	8.61	1.55	0.00	0.00	32.80	89.94	31.34	19.73	11.32	2.04	0.00	0.00	41.65	106.08
2535	23.70	18.88	7.38	1.33	0.00	0.00	28.34	79.63	26.66	19.01	9.35	1.68	0.00	0.00	35.43	92.13
2545	35.93	28.63	12.77	2.30	0.00	0.00	52.52	132.15	40.42	28.83	16.79	3.02	0.00	0.00	59.08	148.14
2550	24.23	23.90	10.95	1.97	0.00	0.00	34.70	95.75	26.92	24.02	13.87	2.50	0.00	0.00	42.41	109.72
2565	8.76	6.58	2.64	0.48	0.00	0.00	7.53	25.99	10.10	6.64	3.41	0.61	0.00	0.00	9.41	30.17
2575	11.14	9.94	3.96	0.71	0.00	0.00	11.17	36.92	12.53	10.00	5.11	0.92	0.00	0.00	13.46	42.02
2585	15.35	13.70	4.08	0.73	0.00	0.00	15.39	49.25	17.27	13.79	5.27	0.95	0.00	0.00	18.55	55.83
2595	24.52	21.88	5.88	1.06	0.00	0.00	24.58	77.92	27.59	22.02	7.59	1.37	0.00	0.00	29.63	88.20
2610	17.30	13.78	8.61	1.55	0.00	0.00	20.69	61.93	19.46	13.88	10.91	1.96	0.00	0.00	25.86	72.07
2615	17.38	15.51	6.89	1.24	0.00	0.00	17.42	58.44	19.55	15.60	8.90	1.60	0.00	0.00	21.00	66.65
2625	22.03	17.55	9.99	1.80	0.00	0.00	26.35	77.72	24.78	17.68	12.65	2.28	0.00	0.00	32.93	90.32
2630	20.70	18.47	7.99	1.44	0.00	0.00	20.75	59.35	23.29	18.59	10.32	1.86	0.00	0.00	25.02	79.08
2640	29.30	23.34	10.80	1.94	0.00	0.00	35.04	100.42	32.96	23.51	13.68	2.46	0.00	0.00	43.80	116.41
2645	24.76	24.43	8.64	1.56	0.00	0.00	28.37	87.76	27.51	24.55	11.16	2.01	0.00	0.00	33.49	98.72
2655	38.07	37.56	16.44	2.96	0.00	0.00	43.63	138.66	42.30	37.75	21.23	3.82	0.00	0.00	51.50	156.60
2660	38.79	38.27	20.55	3.70	0.00	0.00	55.56	156.87	43.10	38.46	26.03	4.69	0.00	0.00	67.90	180.18
2675	12.42	8.34	7.14	1.29	0.00	0.00	13.20	42.39	14.33	8.42	9.04	1.63	0.00	0.00	17.14	50.56
2680	11.39	8.56	5.71	1.03	0.00	0.00	9.79	36.48	13.14	8.64	7.38	1.33	0.00	0.00	12.24	42.73
2690	24.13	14.18	9.20	1.66	0.00	0.00	25.65	74.82	28.51	14.38	12.10	2.18	0.00	0.00	34.10	91.27
2695	17.94	12.05	7.89	1.42	0.00	0.00	19.07	58.37	20.70	12.17	9.99	1.80	0.00	0.00	24.76	69.42
2700	16.47	12.37	6.31	1.14	0.00	0.00	14.15	50.44	19.00	12.48	8.15	1.47	0.00	0.00	17.69	58.79
2710	18.68	14.89	7.89	1.42	0.00	0.00	22.34	65.22	21.02	14.99	9.99	1.80	0.00	0.00	27.93	75.73

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	
2715	17.18	15.33	6.31	1.14	0.00	0.00	17.23	57.19	19.33	15.43	8.15	1.47	0.00	0.00	20.77	65.15	
2725	32.43	23.13	12.53	2.26	0.00	0.00	38.79	109.14	37.07	23.34	16.47	2.96	0.00	0.00	49.26	129.10	
2730	25.98	20.70	10.74	1.93	0.00	0.00	31.07	90.42	29.23	20.85	13.60	2.45	0.00	0.00	38.84	104.97	
2735	24.96	22.27	8.59	1.55	0.00	0.00	25.02	82.39	28.08	22.41	11.10	2.00	0.00	0.00	30.16	93.75	
2745	22.87	22.56	12.90	2.32	0.00	0.00	32.76	93.41	25.41	22.68	16.34	2.94	0.00	0.00	40.03	107.40	
2750	27.01	24.10	10.32	1.86	0.00	0.00	27.08	90.37	30.39	24.25	13.33	2.40	0.00	0.00	32.64	103.01	
2765	11.61	7.80	5.70	1.03	0.00	0.00	12.34	38.48	13.40	7.88	7.22	1.30	0.00	0.00	16.02	45.82	
2770	10.63	7.98	4.56	0.82	0.00	0.00	9.13	33.12	12.26	8.06	5.89	1.06	0.00	0.00	11.42	38.69	
2780	13.22	8.88	5.70	1.03	0.00	0.00	14.06	42.89	15.26	8.97	7.22	1.30	0.00	0.00	18.25	51.00	
2785	12.14	9.12	4.56	0.82	0.00	0.00	10.43	37.07	14.01	9.20	5.89	1.06	0.00	0.00	13.04	43.20	
2795	16.97	11.39	5.70	1.03	0.00	0.00	18.04	53.13	19.58	11.51	7.22	1.30	0.00	0.00	23.41	63.02	
2800	13.85	12.36	4.56	0.82	0.00	0.00	13.88	45.47	15.58	12.44	5.89	1.06	0.00	0.00	16.73	51.70	
2815	4.16	3.50	4.26	1.19	0.86	0.13	4.23	18.33									
2820	4.51	3.78	4.37	1.22	0.86	0.13	4.59	19.46									
2825	5.00	4.27	4.37	1.22	1.35	0.20	5.11	21.52									
2830	5.50	4.67	4.37	1.22	1.39	0.21	5.61	22.97									
2835	7.19	6.10	5.93	1.66	1.22	0.18	7.34	29.62									
2840	9.96	9.52	6.46	1.81	2.78	0.42	10.19	40.14									
2845	11.81	10.18	6.46	1.81	3.64	0.55	12.10	46.55									
2850	14.78	12.53	7.90	2.21	3.53	0.53	15.08	56.56									
2855	18.92	16.17	8.74	2.45	5.19	0.78	19.35	71.60									
2865	4.48	3.69	4.56	1.28	0.55	0.08	4.53	19.17									
2870	4.83	3.97	4.56	1.28	0.55	0.08	4.89	20.16									
2875	5.18	4.25	4.56	1.28	0.55	0.08	5.23	21.13									
2885	4.37	3.60	4.75	1.33	0.55	0.08	4.42	19.10									
2890	4.58	3.77	4.75	1.33	0.55	0.08	4.63	19.69									
2895	4.75	3.90	4.75	1.33	0.55	0.08	4.80	20.16									
2900	5.30	4.44	4.75	1.33	1.04	0.16	5.39	22.41									
2905	6.57	5.69	5.89	1.65	2.18	0.33	6.74	29.05									
2910	6.78	5.86	5.89	1.65	2.18	0.33	6.95	29.64									
2915	9.47	8.13	7.68	2.15	2.78	0.42	9.69	40.32									
2920	9.80	8.40	7.68	2.15	2.78	0.42	10.03	41.26									
2925	10.10	8.64	7.68	2.15	2.78	0.42	10.33	42.10									
2930	13.52	11.52	8.93	2.50	3.53	0.53	13.81	54.34									
2940	4.43	3.65	4.56	1.28	0.55	0.08	4.49	19.04									
2945	5.00	4.21	4.56	1.28	1.04	0.16	5.09	21.34									
2950	11.22	9.53	7.14	2.00	2.78	0.42	11.45	44.54									
2960	7.71	6.31	6.36	1.65	0.77	0.12	6.18	29.10	8.67	6.36	8.16	2.12	0.93	0.14	7.54	33.92	
2965	13.66	11.10	9.10	2.37	1.02	0.15	10.94	48.34	15.36	11.18	11.73	3.05	1.25	0.19	13.33	56.09	
2975	8.40	6.44	6.54	1.70	0.52	0.08	6.05	29.73	9.69	6.49	8.60	2.24	0.64	0.10	7.68	35.44	
2980	8.69	7.14	7.71	2.01	0.97	0.15	6.98	33.65	9.78	7.19	10.15	2.64	1.20	0.18	8.50	39.64	
2985	11.10	9.05	8.09	2.10	0.98	0.15	8.90	40.37	12.48	9.12	10.65	2.77	1.20	0.18	10.84	47.24	
2990	14.27	13.12	9.27	2.41	2.60	0.39	13.40	55.46	15.85	13.19	11.92	3.10	3.21	0.48	15.96	63.71	
2995	22.30	20.19	9.58	2.49	2.60	0.39	20.88	78.43	24.78	20.30	12.29	3.20	3.21	0.48	24.85	89.11	
3000	23.77	23.61	14.71	3.82	3.28	0.49	25.44	95.12	26.15	23.72	18.96	4.93	4.05	0.61	29.73	108.15	
3010	8.21	6.32	8.21	2.13	0.62	0.09	5.92	31.50	9.48	6.38	10.80	2.81	0.77	0.12	7.52	37.88	
3015	8.69	7.07	8.21	2.13	0.70	0.10	6.96	33.86	9.77	7.12	10.80	2.81	0.86	0.13	8.48	39.97	
3020	10.59	8.63	9.27	2.41	0.84	0.13	8.49	40.36	11.92	8.69	12.20	3.17	1.02	0.15	10.34	47.49	
3030	8.43	6.47	7.98	2.07	0.54	0.08	6.08	31.65	9.73	6.53	10.50	2.73	0.66	0.10	7.71	37.96	
3035	9.62	7.87	9.27	2.41	0.93	0.14	7.72	37.96	10.82	7.92	12.20	3.17	1.15	0.17	9.40	44.83	
3040	10.75	8.76	9.27	2.41	0.93	0.14	8.61	40.87	12.09	8.83	12.20	3.17	1.15	0.17	10.50	48.11	
3045	15.11	13.86	13.87	3.61	2.60	0.39	14.19	63.63	16.79	13.94	18.25	4.74	3.21	0.48	16.89	74.30	
3055	13.49	11.12	5.98	1.56	1.73	0.26	10.84	44.98	15.17	11.20	7.63	1.98	2.14	0.32	13.21	51.65	
3060	12.43	11.31	5.98	1.56	1.73	0.26	11.65	44.92	13.81	11.38	7.63	1.98	2.14	0.32	13.87	51.13	
3065	15.59	14.09	9.33	2.43	1.73	0.26	14.59	58.02	17.32	14.17	12.03	3.13	2.14	0.32	17.37	66.48	

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	
3070	17.39	15.78	10.09	2.62	2.22	0.33	16.29	64.72	19.32	15.87	12.92	3.36	2.74	0.41	19.39	74.01
3075	22.91	22.55	12.56	3.26	2.22	0.33	24.47	88.30	25.20	22.66	16.17	4.20	2.74	0.41	28.60	99.98
3085	13.24	10.92	5.79	1.51	1.73	0.26	10.64	44.09	14.89	11.00	7.38	1.92	2.14	0.32	12.96	50.61
3090	16.39	15.06	8.43	2.19	2.97	0.45	15.39	60.88	18.21	15.14	10.77	2.80	3.67	0.55	18.32	69.46
3095	18.10	17.91	8.65	2.25	2.22	0.33	19.36	68.82	19.91	18.00	11.07	2.38	2.74	0.41	22.62	77.63
3105	12.97	10.71	6.04	1.57	1.73	0.26	10.43	43.71	14.60	10.79	7.70	2.00	2.14	0.32	12.71	50.26
3110	13.33	12.15	7.67	1.99	1.73	0.26	12.53	49.71	14.87	12.22	9.79	2.55	2.14	0.32	14.92	56.81
3115	16.38	15.05	10.33	2.68	2.97	0.45	15.39	63.25	18.20	15.14	13.29	3.46	3.67	0.55	18.32	72.63
3120	17.92	18.00	10.33	2.68	3.39	0.51	19.23	72.06	19.71	18.09	13.29	3.46	4.15	0.62	22.47	81.79
3130	9.86	7.57	4.44	1.15	0.69	0.10	7.11	30.92	11.38	7.64	5.65	1.47	0.86	0.13	9.02	36.15
3135	10.01	8.14	4.84	1.26	0.80	0.12	8.02	33.19	11.26	8.20	6.16	1.60	0.99	0.15	9.77	38.13
3140	10.92	8.92	4.97	1.29	1.04	0.16	8.75	36.05	12.28	8.98	6.30	1.64	1.28	0.19	10.67	41.34
3145	14.29	11.76	5.73	1.75	1.73	0.26	11.48	43.00	16.07	11.84	8.62	2.24	2.14	0.32	13.99	55.22
3150	14.27	12.94	6.86	1.78	1.73	0.26	13.37	51.21	15.86	13.01	8.77	2.28	2.14	0.32	15.91	58.29
3155	15.90	14.47	8.45	2.20	2.22	0.33	14.90	53.47	17.67	14.56	10.77	2.80	2.74	0.41	17.74	66.69
3160	19.85	17.94	9.17	2.39	2.22	0.33	18.57	70.47	22.05	18.05	11.72	3.05	2.74	0.41	22.11	80.13
3165	19.64	19.40	10.35	2.69	2.22	0.33	20.99	75.62	21.50	19.49	13.27	3.45	2.74	0.41	24.54	85.50
3170	40.42	39.71	16.88	4.39	3.53	0.53	43.15	148.61	44.46	39.89	21.76	5.66	4.37	0.65	50.43	167.22
3180	5.07	2.36	0.00	0.31	0.00	0.00	6.13	13.87								
3185	4.65	2.16	0.00	0.46	0.00	0.00	5.62	12.89								
3190	5.30	2.46	0.00	0.62	0.00	0.00	6.41	14.79								
3195	6.25	2.90	0.00	0.62	0.00	0.00	7.56	17.33								
3200	6.95	3.22	0.00	0.77	0.00	0.00	8.39	19.33								
3210	5.73	2.66	0.00	0.44	0.00	0.00	6.92	13.75								
3215	6.25	2.90	0.00	0.59	0.00	0.00	7.55	17.29								
3220	7.09	3.29	0.00	0.93	0.00	0.00	8.57	19.88								
3230	5.11	2.37	0.00	0.51	0.00	0.00	6.18	14.17								
3235	5.81	2.70	0.00	0.51	0.02	0.00	7.02	16.04								
3240	7.09	3.29	0.00	0.76	0.00	0.00	8.57	19.71								
3250	1.25	0.58	0.00	0.29	0.00	0.00	1.51	3.63								
3255	0.80	0.37	0.00	0.29	0.00	0.00	0.97	2.43								
3260	0.12	0.06	0.00	0.23	0.00	0.00	0.14	0.55								
3270	1.89	0.88	2.07	0.50	0.00	0.00	2.28	7.62								
3275	1.32	0.61	0.94	0.23	0.00	0.00	1.59	4.69								
3285	1.19	0.55	1.14	0.18	0.00	0.00	1.44	4.50								
3290	1.81	0.84	2.94	0.47	0.00	0.00	2.19	8.25								
3295	2.16	1.00	1.88	0.45	0.00	0.00	2.61	8.10								
3300	2.49	1.15	2.54	0.61	0.00	0.00	3.00	9.79								
3305	2.98	1.38	2.82	0.68	0.00	0.00	3.60	11.46								
3315	1.14	0.53	1.71	0.27	0.00	0.00	1.37	5.02								
3320	1.76	0.81	2.30	0.55	0.00	0.00	2.12	7.54								
3330	14.58	9.98	14.29	3.43	1.31	0.20	17.69	61.48								
3340	13.63	9.35	10.57	2.54	1.32	0.20	16.54	54.15								
3345	20.88	14.30	15.74	3.78	1.77	0.27	25.33	82.07								
3350	22.23	15.21	16.45	3.95	1.77	0.27	26.97	86.85								
3355	16.11	10.86	19.27	4.62	0.00	0.00	19.47	70.33								
3360	17.81	12.00	19.27	4.62	0.00	0.00	21.52	75.22								
3365	20.18	17.83	19.27	4.62	0.00	0.00	24.39	86.29								
3370	37.33	32.98	38.06	19.03	0.00	0.00	22.56	149.96								
3380	1.78	0.85	4.86	1.17	0.11	0.02	1.66	10.45								
3385	2.02	0.96	6.18	1.48	0.12	0.02	1.88	12.66								
3390	3.10	1.47	8.96	2.15	0.15	0.02	2.89	18.74								
3395	4.26	2.06	9.81	2.35	0.41	0.06	3.99	22.94								
3400	4.90	2.35	9.81	2.35	0.41	0.06	4.58	24.46								
3405	5.08	2.45	9.81	2.35	0.48	0.07	4.75	24.99								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
3410	5.68	2.73	9.81	2.35	0.46	0.07	5.31	26.41								
3415	10.66	5.26	14.67	3.52	1.53	0.23	10.02	45.89								
3430	1.13	0.76	4.90	1.18	0.00	0.00	1.22	9.19	1.26	0.76	6.45	1.55	0.00	0.00	1.58	11.60
3435	1.33	0.89	7.60	1.82	0.00	0.00	1.43	13.07	1.48	0.90	10.00	2.40	0.00	0.00	1.86	16.64
3440	1.52	1.02	8.36	2.01	0.00	0.00	1.63	14.54	1.69	1.03	11.00	2.64	0.00	0.00	2.11	18.47
3445	1.61	1.08	9.88	2.37	0.00	0.00	1.73	16.67	1.79	1.09	13.00	3.12	0.00	0.00	2.24	21.24
3450	1.82	1.22	11.21	2.69	0.00	0.00	1.96	18.90	2.03	1.23	14.75	3.54	0.00	0.00	2.54	24.09
3455	2.13	1.43	12.54	3.01	0.00	0.00	2.29	21.40	2.37	1.44	16.50	3.96	0.00	0.00	2.96	27.23
3460	2.31	1.55	14.82	3.56	0.00	0.00	2.48	24.72	2.57	1.56	19.50	4.68	0.00	0.00	3.22	31.53
3465	4.23	2.84	16.15	3.88	0.00	0.00	4.55	31.65	4.70	2.86	21.25	5.10	0.00	0.00	5.89	39.80
3470	3.20	2.15	16.72	4.01	0.00	0.00	3.44	29.52	3.56	2.16	22.00	5.28	0.00	0.00	4.46	37.46
3475	3.72	2.50	23.75	5.70	0.00	0.00	4.00	39.67	4.14	2.51	31.25	7.50	0.00	0.00	5.18	50.58
3480	5.67	3.80	27.74	6.66	0.00	0.00	6.09	49.96	6.30	3.83	36.50	8.76	0.00	0.00	7.90	63.29
3485	3.42	5.64	30.78	7.39	0.00	0.00	9.04	61.27	9.35	5.68	40.50	9.72	0.00	0.00	11.72	76.97
3490	10.95	7.34	43.89	10.53	0.00	0.00	11.77	84.48	12.17	7.40	57.75	13.86	0.00	0.00	15.25	106.43
3505	0.08	0.05	0.46	0.11	0.00	0.00	0.08	0.78	0.08	0.05	0.60	0.14	0.00	0.00	0.11	0.98
3510	0.17	0.11	1.08	0.26	0.00	0.00	0.18	1.80	0.19	0.12	1.41	0.34	0.00	0.00	0.24	2.30
3515	0.19	0.13	1.54	0.37	0.00	0.00	0.20	2.43	0.21	0.13	2.01	0.48	0.00	0.00	0.26	3.09
3520	0.20	0.13	0.23	0.05	0.00	0.00	0.21	0.82	0.22	0.13	0.30	0.07	0.00	0.00	0.28	1.00
3525	0.26	0.18	0.46	0.11	0.00	0.00	0.28	1.29	0.29	0.18	0.60	0.14	0.00	0.00	0.37	1.58
3530	0.38	0.25	0.84	0.20	0.00	0.00	0.41	2.08	0.42	0.26	1.10	0.26	0.00	0.00	0.53	2.57
3535	0.39	0.26	1.03	0.25	0.00	0.00	0.42	2.35	0.43	0.26	1.35	0.32	0.00	0.00	0.54	2.90
3540	0.58	0.39	2.39	0.57	0.00	0.00	0.62	4.55	0.64	0.39	3.15	0.76	0.00	0.00	0.80	5.74
3545	0.76	0.51	3.31	0.79	0.00	0.00	0.82	6.19	0.85	0.52	4.35	1.04	0.00	0.00	1.06	7.82
3550	0.88	0.59	3.88	0.93	0.00	0.00	0.94	7.22	0.97	0.59	5.10	1.22	0.00	0.00	1.22	9.10
3555	1.04	0.70	6.16	1.48	0.00	0.00	1.12	10.50	1.16	0.70	8.10	1.94	0.00	0.00	1.45	13.35
3560	1.09	0.73	6.16	1.48	0.00	0.00	1.17	10.63	1.21	0.74	8.10	1.94	0.00	0.00	1.52	13.51
3565	1.26	0.85	7.98	1.92	0.00	0.00	1.36	13.37	1.41	0.85	10.50	2.52	0.00	0.00	1.76	17.04
3570	1.50	1.00	10.49	2.52	0.00	0.00	1.61	17.12	1.57	1.01	13.80	3.31	0.00	0.00	2.09	21.88
3585	5.06	3.65	4.37	1.27	0.46	0.07	4.96	19.84	6.07	3.69	5.75	1.67	0.62	0.09	6.45	24.34
3590	5.47	3.93	4.72	1.37	0.46	0.07	5.36	21.38	6.56	3.98	6.21	1.80	0.62	0.09	6.97	26.23
3595	5.88	4.23	4.72	1.37	0.51	0.08	5.76	22.55	7.05	4.28	6.21	1.80	0.68	0.10	7.48	27.60
3600	6.02	4.35	5.25	1.52	0.58	0.09	5.91	23.72	7.23	4.40	6.90	2.00	0.79	0.12	7.68	29.12
3605	8.18	6.06	6.30	1.83	1.39	0.21	8.10	32.07	9.82	6.14	8.28	2.40	1.88	0.28	10.53	39.33
3610	11.73	8.77	8.75	2.54	2.28	0.34	11.65	46.06	14.08	8.88	11.50	3.33	3.09	0.46	15.15	56.49
3620	4.13	3.01	4.37	1.27	0.51	0.08	4.07	17.44	4.96	3.05	5.75	1.67	0.68	0.10	5.29	21.50
3625	4.68	3.41	5.32	1.54	0.56	0.08	4.61	20.20	5.52	3.45	6.99	2.03	0.75	0.11	5.99	24.94
3630	4.98	3.64	5.88	1.71	0.64	0.10	4.90	21.85	5.97	3.68	7.73	2.24	0.87	0.13	6.37	26.99
3635	5.42	3.92	6.33	1.84	0.56	0.08	5.32	23.47	6.50	3.97	8.33	2.41	0.75	0.11	6.91	28.98
3640	3.87	2.83	4.37	1.27	0.51	0.08	3.81	16.74	4.64	2.86	5.75	1.67	0.68	0.10	4.95	20.65
3645	4.27	3.12	5.32	1.54	0.56	0.08	4.21	19.10	5.13	3.16	6.99	2.03	0.75	0.11	5.47	23.64
3650	4.50	3.30	5.32	1.54	0.64	0.10	4.44	19.84	5.40	3.34	6.99	2.03	0.87	0.13	5.77	24.53
3655	4.98	3.64	6.33	1.84	0.64	0.10	4.90	22.43	5.37	3.68	8.33	2.41	0.87	0.13	6.37	27.76
3660	5.98	4.52	8.05	2.33	1.39	0.21	5.96	28.44	7.17	4.58	10.58	3.07	1.88	0.28	7.75	35.31
3670	2.72	1.94	2.38	0.69	0.16	0.02	2.66	10.57	3.27	1.96	3.13	0.91	0.21	0.03	3.46	12.97
3675	4.31	3.13	4.72	1.37	0.51	0.08	4.24	18.36	5.17	3.17	6.21	1.80	0.68	0.10	5.51	22.64
3680	4.56	3.31	4.72	1.37	0.51	0.08	4.48	19.03	5.17	3.35	6.21	1.80	0.68	0.10	5.82	23.43
3685	4.89	3.56	5.60	1.62	0.58	0.09	4.81	21.15	5.37	3.61	7.36	2.13	0.79	0.12	6.26	26.14
3695	2.74	1.95	4.85	0.78	0.16	0.02	2.67	13.17	3.29	1.98	6.29	1.01	0.21	0.03	3.47	16.28
3700	5.02	3.62	5.07	1.47	0.46	0.07	4.92	20.63	6.02	3.66	6.67	1.93	0.62	0.09	6.39	25.38
3705	5.78	4.18	6.51	1.89	0.58	0.09	5.68	24.71	6.94	4.24	8.56	2.48	0.79	0.12	7.38	30.51
3715	0.38	0.18	0.00	0.09	0.00	0.00	0.40	1.05								
3720	0.69	0.32	0.00	0.18	0.00	0.00	0.73	1.92								
3725	0.87	0.40	0.00	0.28	0.00	0.00	0.92	2.47								
3730	2.16	1.00	0.00	0.37	0.00	0.00	2.29	5.82								

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	
3740	4.84	2.24	3.80	0.91	0.00	0.00	5.13	16.92								
3745	6.55	3.02	3.80	0.91	0.00	0.00	6.93	21.21								
3750	10.07	4.65	4.94	1.19	0.00	0.00	10.66	31.51								
3755	11.95	5.52	5.70	1.37	0.00	0.00	12.65	37.19								
3770	7.52	3.79	3.60	0.65	0.00	0.00	7.00	22.56								28.43
3775	10.80	6.35	6.47	1.17	0.00	0.00	11.48	36.27								44.51
3780	15.94	9.37	10.50	1.89	0.00	0.00	16.95	54.65								67.15
3785	20.65	14.73	15.96	2.87	0.00	0.00	24.69	78.90								94.58
3795	9.06	4.57	5.60	1.01	0.00	0.00	8.42	28.66								36.18
3800	11.15	6.55	8.22	1.48	0.00	0.00	11.85	39.25								48.32
3805	10.89	7.77	10.78	1.94	0.00	0.00	13.03	44.41								53.55
3810	23.61	16.84	21.56	3.88	0.00	0.00	28.24	94.13								113.27
3820	11.11	5.60	6.16	1.11	0.00	0.00	10.33	34.31								43.28
3825	12.87	7.57	7.17	1.29	0.00	0.00	13.68	42.58								52.20
3830	16.31	9.59	8.68	1.56	0.00	0.00	17.34	53.48								65.51
3835	21.72	15.49	13.72	2.47	0.00	0.00	25.97	79.37								94.71
3845	5.74	2.89	4.37	0.79	0.00	0.00	5.34	19.13								24.19
3850	8.83	4.45	6.30	1.13	0.00	0.00	8.21	28.92								36.57
3860	8.28	4.17	3.15	0.57	0.00	0.00	7.70	23.87								30.01
3865	10.26	5.18	4.37	0.79	0.00	0.00	9.55	30.15								37.93
3870	15.35	9.03	6.82	1.23	0.00	0.00	16.32	48.75								59.57
3875	23.33	13.72	11.37	2.05	0.00	0.00	24.80	75.27								92.10
3885	7.26	3.66	5.49	0.99	0.00	0.00	6.75	24.15								30.55
3890	7.84	4.61	6.65	1.20	0.00	0.00	8.34	28.64								35.33
3900	9.45	4.77	4.02	0.72	0.00	0.00	8.79	27.75								34.94
3905	11.78	5.94	5.60	1.01	0.00	0.00	10.96	35.29								44.44
3910	13.34	7.85	9.52	1.71	0.00	0.00	14.19	46.61								57.35
3925	12.20	7.17	8.40	1.51	0.00	0.00	12.97	42.25								51.96
3930	14.23	8.37	10.15	1.83	0.00	0.00	15.13	49.71								61.15
3935	15.52	11.07	13.65	2.46	0.00	0.00	18.56	61.26								73.65
3945	5.88	2.96	3.78	0.68	0.00	0.00	5.47	18.77								23.69
3950	9.39	4.74	5.00	0.90	0.00	0.00	8.73	28.76								36.27
3955	9.61	5.65	7.35	1.32	0.00	0.00	10.22	34.15								42.08
3960	13.65	8.03	8.40	1.51	0.00	0.00	14.52	46.11								56.61
3965	17.03	10.01	10.74	1.93	0.00	0.00	18.11	57.82								71.01
3970	17.18	12.25	11.37	2.05	0.00	0.00	20.54	63.39								75.72
3975	21.49	15.33	13.30	2.39	0.00	0.00	25.70	78.21								93.30
3980	24.49	17.47	14.70	2.65	0.00	0.00	29.29	88.60								105.60
3985	32.11	25.58	26.60	4.79	0.00	0.00	46.93	136.01								155.92
3990	38.60	30.76	29.12	5.24	0.00	0.00	56.42	160.14								183.04
4005	8.27	4.17	5.32	0.96	0.00	0.00	7.69	26.41								33.34
4010	12.07	7.10	7.98	1.44	0.00	0.00	12.83	41.42								50.89
4015	14.93	8.78	10.64	1.92	0.00	0.00	15.87	52.14								64.14
4025	6.94	5.36	6.83	1.87	0.62	0.09	5.01	26.72								32.05
4030	8.39	6.59	7.50	1.95	1.24	0.19	6.09	31.95								38.03
4035	10.02	8.26	12.45	3.24	1.26	0.19	8.05	43.47								51.44
4045	1.25	0.59	0.00	0.10	0.00	0.00	1.39	3.33								4.22
4050	1.64	0.77	0.00	0.12	0.00	0.00	1.83	4.36								5.53
4055	2.43	1.14	0.00	0.15	0.00	0.00	2.72	6.44								8.18
4060	1.25	0.59	0.00	0.21	0.00	0.00	1.40	3.45								4.34
4070	0.81	0.47	0.55	0.13	0.00	0.00	1.88	3.84								
4080	0.74	0.42	0.60	0.14	0.00	0.00	1.71	3.61								
4090	1.53	1.09	1.06	0.30	0.76	0.11	2.42	7.27								9.55
4100	0.31	0.20	0.00	0.00	0.00	0.00	0.47	0.98								1.26
4105	0.45	0.29	0.00	0.00	0.00	0.00	0.69	1.43								1.83

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	
4110	0.07	0.05	0.00	0.00	0.00	0.00	0.11	0.23	0.39	0.05	0.00	0.00	0.00	0.00	0.15	0.29
4115	0.36	0.24	0.00	0.00	0.00	0.00	0.55	1.15	0.45	0.24	0.00	0.00	0.00	0.00	0.76	1.45
4120	0.31	0.20	0.00	0.00	0.00	0.00	0.47	0.98	0.39	0.20	0.00	0.00	0.00	0.00	0.65	1.24
4125	0.37	0.24	0.00	0.00	0.00	0.00	0.56	1.17	0.46	0.24	0.00	0.00	0.00	0.00	0.78	1.48
4130	0.48	0.31	0.00	0.00	0.00	0.00	0.73	1.52	0.60	0.32	0.00	0.00	0.00	0.00	1.01	1.93
4135	0.05	0.04	0.00	0.00	0.00	0.00	0.08	0.17	0.07	0.04	0.00	0.00	0.00	0.00	0.12	0.23
4140	1.71	1.23	1.60	0.45	0.93	0.14	2.71	8.77	2.14	1.25	2.10	0.59	1.46	0.22	3.76	11.52
4150	0.39	0.25	0.00	0.00	0.00	0.00	0.59	1.23	0.48	0.26	0.00	0.00	0.00	0.00	0.82	1.56
4155	0.47	0.31	0.00	0.00	0.00	0.00	0.72	1.50	0.59	0.31	0.00	0.00	0.00	0.00	1.00	1.90
4160	0.07	0.05	0.00	0.00	0.00	0.00	0.11	0.23	0.09	0.05	0.00	0.00	0.00	0.00	0.15	0.29
4165	0.36	0.24	0.00	0.00	0.00	0.00	0.55	1.15	0.45	0.24	0.00	0.00	0.00	0.00	0.76	1.45
4170	0.35	0.23	0.00	0.00	0.00	0.00	0.53	1.11	0.43	0.23	0.00	0.00	0.00	0.00	0.73	1.39
4175	0.43	0.28	0.00	0.00	0.00	0.00	0.65	1.36	0.54	0.28	0.00	0.00	0.00	0.00	0.90	1.72
4180	0.54	0.35	0.00	0.00	0.00	0.00	0.83	1.72	0.68	0.36	0.00	0.00	0.00	0.00	1.15	2.19
4185	0.05	0.04	0.00	0.00	0.00	0.00	0.08	0.17	0.07	0.04	0.00	0.00	0.00	0.00	0.12	0.23
4190	1.93	1.40	2.13	0.60	1.24	0.19	3.06	10.55	2.41	1.43	2.80	0.78	1.94	0.29	4.26	13.91
4200	0.42	0.27	0.00	0.00	0.00	0.00	0.63	1.32	0.52	0.27	0.00	0.00	0.00	0.00	0.88	1.67
4205	0.50	0.33	0.00	0.00	0.00	0.00	0.76	1.59	0.63	0.33	0.00	0.00	0.00	0.00	1.06	2.02
4210	0.07	0.05	0.00	0.00	0.00	0.00	0.11	0.23	0.09	0.05	0.00	0.00	0.00	0.00	0.15	0.29
4215	0.36	0.24	0.00	0.00	0.00	0.00	0.55	1.15	0.45	0.24	0.00	0.00	0.00	0.00	0.76	1.45
4220	0.39	0.26	0.00	0.00	0.00	0.00	0.60	1.25	0.49	0.26	0.00	0.00	0.00	0.00	0.83	1.58
4225	0.51	0.33	0.00	0.00	0.00	0.00	0.78	1.62	0.64	0.34	0.00	0.00	0.00	0.00	1.08	2.06
4230	0.68	0.44	0.00	0.00	0.00	0.00	1.04	2.16	0.85	0.45	0.00	0.00	0.00	0.00	1.44	2.74
4235	0.05	0.04	0.00	0.00	0.00	0.00	0.08	0.17	0.07	0.04	0.00	0.00	0.00	0.00	0.12	0.23
4240	2.32	1.72	3.19	0.89	1.71	0.26	3.72	13.81	2.90	1.75	4.20	1.18	2.71	0.41	5.16	18.31
4250	0.44	0.29	0.00	0.00	0.00	0.00	0.67	1.40	0.55	0.29	0.00	0.00	0.00	0.00	0.93	1.77
4255	0.58	0.38	0.00	0.00	0.00	0.00	0.88	1.84	0.72	0.38	0.00	0.00	0.00	0.00	1.22	2.32
4260	0.07	0.05	0.00	0.00	0.00	0.00	0.11	0.23	0.09	0.05	0.00	0.00	0.00	0.00	0.15	0.29
4265	0.36	0.24	0.00	0.00	0.00	0.00	0.55	1.15	0.45	0.24	0.00	0.00	0.00	0.00	0.76	1.45
4270	0.49	0.32	0.00	0.00	0.00	0.00	0.75	1.56	0.61	0.32	0.00	0.00	0.00	0.00	1.03	1.96
4275	0.63	0.41	0.00	0.00	0.00	0.00	0.96	2.00	0.79	0.42	0.00	0.00	0.00	0.00	1.33	2.54
4280	0.85	0.55	0.00	0.00	0.00	0.00	1.30	2.70	1.07	0.56	0.00	0.00	0.00	0.00	1.80	3.43
4285	0.05	0.04	0.00	0.00	0.00	0.00	0.08	0.17	0.07	0.04	0.00	0.00	0.00	0.00	0.12	0.23
4290	4.25	3.01	4.75	1.33	2.01	0.30	6.68	22.33	5.31	3.06	6.25	1.75	3.15	0.47	9.28	29.27
4300	0.64	0.42	0.00	0.00	0.00	0.00	0.98	2.04	0.80	0.42	0.00	0.00	0.00	0.00	1.36	2.58
4305	0.07	0.05	0.00	0.00	0.00	0.00	0.11	0.23	0.09	0.05	0.00	0.00	0.00	0.00	0.15	0.29
4310	0.40	0.26	0.00	0.00	0.00	0.00	0.61	1.27	0.51	0.27	0.00	0.00	0.00	0.00	0.85	1.63
4315	0.56	0.36	0.00	0.00	0.00	0.00	0.85	1.77	0.70	0.37	0.00	0.00	0.00	0.00	1.17	2.24
4320	0.77	0.50	0.00	0.00	0.00	0.00	1.17	2.44	0.96	0.51	0.00	0.00	0.00	0.00	1.62	3.09
4325	1.01	0.65	0.00	0.00	0.00	0.00	1.53	3.19	1.26	0.67	0.00	0.00	0.00	0.00	2.12	4.05
4330	0.05	0.04	0.00	0.00	0.00	0.00	0.08	0.17	0.07	0.04	0.00	0.00	0.00	0.00	0.12	0.23
4335	7.29	5.32	4.75	1.33	4.94	0.74	11.61	35.98	9.12	5.41	6.25	1.75	7.81	1.17	16.13	47.64
4340	8.20	5.92	7.03	1.97	5.03	0.75	13.00	41.90	10.25	6.02	9.25	2.59	7.97	1.20	18.05	55.33
4345	8.21	6.12	7.03	1.97	6.95	1.04	13.19	44.51	10.26	6.22	9.25	2.59	11.08	1.66	18.32	59.38
4350	9.45	7.05	11.02	3.09	8.21	1.23	15.19	55.24	11.82	7.17	14.50	4.06	13.13	1.97	21.09	73.74
4355	9.22	6.57	7.03	1.97	4.94	0.74	14.54	45.01	11.53	6.59	9.25	2.59	7.81	1.17	20.19	59.23
4360	9.78	6.95	7.03	1.97	5.03	0.75	15.40	46.91	12.22	7.07	9.25	2.59	7.97	1.20	21.39	61.69
4365	10.95	7.89	11.02	3.09	6.95	1.04	17.34	56.28	13.68	8.03	14.50	4.06	11.08	1.66	24.09	77.10
4370	12.03	8.72	11.02	3.09	8.21	1.23	19.11	63.41	15.04	8.87	14.50	4.06	13.13	1.97	26.54	84.11
4380	0.62	0.40	0.00	0.00	0.00	0.00	0.94	1.96	0.77	0.41	0.00	0.00	0.00	0.00	1.30	2.48
4385	0.82	0.53	0.00	0.00	0.00	0.00	1.24	2.59	1.02	0.54	0.00	0.00	0.00	0.00	1.72	3.28
4390	1.11	0.72	0.00	0.00	0.00	0.00	1.68	3.51	1.38	0.73	0.00	0.00	0.00	0.00	2.33	4.44
4395	1.27	0.82	0.00	0.00	0.00	0.00	1.93	4.02	1.59	0.84	0.00	0.00	0.00	0.00	2.68	5.11
4405	2.43	1.28	1.60	0.61	0.00	0.00	4.41	10.33	3.04	1.31	2.11	0.80	0.00	0.00	5.98	13.24
4410	3.22	1.70	2.17	0.83	0.00	0.00	5.83	13.75	4.02	1.73	2.86	1.09	0.00	0.00	7.90	17.60

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	
4415	3.90	2.06	2.95	1.12	0.00	0.00	7.07	17.10	4.88	2.10	3.09	1.48	0.00	0.00	9.58	21.93
4420	5.63	2.97	4.30	1.64	0.00	0.00	10.21	24.75	7.04	3.03	5.67	2.15	0.00	0.00	13.83	31.72
4425	6.73	3.54	5.74	2.18	0.00	0.00	12.19	30.38	8.41	3.62	7.56	2.87	0.00	0.00	16.51	38.97
4435	2.85	1.50	2.66	1.01	0.00	0.00	5.16	13.18	3.50	1.53	3.51	1.33	0.00	0.00	6.99	16.92
4440	5.24	2.76	3.28	1.25	0.00	0.00	9.49	22.02	6.54	2.82	4.32	1.64	0.00	0.00	12.85	28.11
4445	6.58	3.47	4.51	1.71	0.00	0.00	11.94	26.21	8.23	3.54	5.94	2.26	0.00	0.00	16.16	36.13
4450	7.15	3.77	5.33	2.03	0.00	0.00	12.96	31.24	8.94	3.85	7.02	2.67	0.00	0.00	17.55	40.03
4455	10.92	5.76	7.79	2.96	0.00	0.00	19.30	47.23	13.65	5.88	10.26	3.90	0.00	0.00	26.81	60.50
4460	16.94	8.93	11.27	4.28	0.00	0.00	30.71	72.13	21.18	9.12	14.85	5.64	0.00	0.00	41.59	92.38
4470	4.32	2.28	3.57	1.36	0.00	0.00	7.84	10.37	5.40	2.33	4.70	1.79	0.00	0.00	10.61	24.83
4475	5.51	2.90	5.00	1.90	0.00	0.00	9.99	25.30	6.89	2.97	6.59	2.50	0.00	0.00	13.53	32.48
4480	7.22	3.80	6.15	2.34	0.00	0.00	13.08	32.59	9.02	3.88	8.10	3.08	0.00	0.00	17.71	41.79
4485	10.42	5.49	9.14	3.47	0.00	0.00	18.90	47.42	13.03	5.61	12.04	4.58	0.00	0.00	25.59	60.05
4495	3.51	1.85	2.66	1.01	0.00	0.00	6.36	15.39	4.39	1.89	3.51	1.33	0.00	0.00	8.62	19.74
4500	4.16	2.19	3.20	1.22	0.00	0.00	7.54	13.31	5.20	2.24	4.21	1.60	0.00	0.00	10.21	23.46
4505	6.62	3.49	5.33	2.03	0.00	0.00	12.00	23.47	8.27	3.56	7.02	2.67	0.00	0.00	16.25	37.77
4510	9.35	4.93	7.79	2.96	0.00	0.00	16.96	41.99	11.69	5.03	10.26	3.90	0.00	0.00	22.96	53.84
4520	2.49	1.31	1.72	0.65	0.00	0.00	4.52	10.69	3.12	1.34	2.27	0.86	0.00	0.00	6.12	13.71
4525	3.26	1.72	2.66	1.01	0.00	0.00	5.90	14.55	4.07	1.75	3.51	1.33	0.00	0.00	7.99	18.65
4535	2.95	1.55	2.58	0.98	0.00	0.00	5.34	13.40	3.68	1.59	3.40	1.29	0.00	0.00	7.23	17.19
4540	5.17	2.73	4.51	1.71	0.00	0.00	9.38	23.50	6.47	2.79	5.94	2.26	0.00	0.00	12.70	30.16
4545	6.29	3.32	5.53	2.10	0.00	0.00	11.41	28.65	7.86	3.39	7.29	2.77	0.00	0.00	15.45	36.76
4550	9.27	4.89	8.20	3.12	0.00	0.00	16.81	42.29	11.59	4.99	10.80	4.10	0.00	0.00	22.76	54.24
4555	18.09	9.53	14.35	5.45	0.00	0.00	32.79	80.21	22.61	9.74	18.90	7.18	0.00	0.00	44.41	102.84
4565	0.46	0.25	1.24	0.40	0.11	0.02	0.49	2.97	0.57	0.26	1.61	0.52	0.20	0.03	0.66	3.85
4570	0.57	0.32	0.49	0.20	0.11	0.02	0.61	2.32	0.72	0.32	0.65	0.26	0.20	0.03	0.82	3.00
4575	0.67	0.37	1.78	0.57	0.13	0.02	0.72	4.26	0.84	0.38	2.31	0.74	0.26	0.04	0.96	5.53
4580	0.81	0.44	0.72	0.29	0.13	0.02	0.86	3.27	1.01	0.45	0.95	0.38	0.26	0.04	1.16	4.25
4585	0.83	0.45	2.32	0.74	0.09	0.01	0.89	5.33	1.04	0.46	3.02	0.97	0.18	0.03	1.19	6.89
4590	0.80	0.43	2.32	0.74	0.09	0.01	0.85	5.24	1.00	0.44	3.02	0.97	0.18	0.03	1.14	6.78
4595	0.96	0.52	1.06	0.43	0.09	0.01	1.02	4.09	1.20	0.53	1.40	0.56	0.18	0.03	1.37	5.27
4600	0.86	0.46	2.47	0.79	0.09	0.01	0.92	5.60	1.07	0.47	3.22	1.03	0.18	0.03	1.23	7.23
4605	1.02	0.55	2.63	0.84	0.09	0.01	1.09	6.23	1.28	0.56	3.42	1.09	0.18	0.03	1.46	8.02
4610	1.11	0.60	1.37	0.55	0.09	0.01	1.18	4.91	1.39	0.61	1.80	0.72	0.18	0.03	1.58	6.31
4615	1.29	0.71	1.60	0.64	0.28	0.04	1.38	5.94	1.61	0.73	2.10	0.84	0.53	0.08	1.85	7.74
4620	1.39	0.77	2.05	0.82	0.28	0.04	1.49	6.84	1.74	0.78	2.70	1.08	0.53	0.08	1.99	8.90
4625	2.34	1.36	2.96	1.19	0.96	0.14	2.55	11.50	2.93	1.39	3.90	1.56	1.83	0.27	3.42	15.30
4635	3.58	1.97	3.15	1.26	0.67	0.10	3.84	14.57	4.48	2.02	4.15	1.66	1.28	0.19	5.14	18.92
4640	4.32	2.37	3.91	1.57	0.70	0.11	4.62	17.60	5.40	2.42	5.15	2.06	1.35	0.20	6.18	22.76
4645	6.15	3.37	5.02	2.01	1.03	0.15	6.58	24.31	7.69	3.45	6.60	2.64	1.97	0.30	8.81	31.46
4650	8.08	4.51	7.03	2.81	1.95	0.29	8.69	33.36	10.10	4.61	9.25	3.70	3.73	0.56	11.64	43.59
4660	3.06	1.76	2.47	0.99	1.17	0.18	3.33	12.96	3.83	1.80	3.25	1.30	2.23	0.33	4.45	17.19
4665	4.25	2.35	3.04	1.22	0.84	0.13	4.55	16.38	5.31	2.40	4.00	1.60	1.60	0.24	6.09	21.24
4670	4.79	2.65	3.80	1.52	1.03	0.15	5.14	19.08	5.98	2.71	5.00	2.00	1.97	0.30	6.88	24.84
4675	7.28	4.20	4.94	1.98	2.86	0.43	7.91	29.60	9.10	4.29	6.50	2.60	5.46	0.82	10.59	39.36
4680	9.43	5.59	6.46	2.58	4.81	0.72	10.33	39.92	11.79	5.71	8.50	3.40	9.19	1.38	13.83	53.80
4685	11.73	7.10	9.88	2.96	5.20	0.78	11.70	49.35	14.08	7.22	13.00	3.90	9.93	1.49	15.04	64.66
4690	16.68	10.51	14.25	4.27	7.85	1.18	16.80	71.54	20.02	10.68	18.75	5.62	14.99	2.25	21.60	93.91
4695	33.66	21.73	26.22	7.87	19.19	2.88	34.12	145.67	40.39	22.08	34.50	10.35	36.64	5.50	43.87	193.33
4705	3.51	2.00	3.12	1.25	1.17	0.18	3.80	15.03	4.39	2.04	4.10	1.64	2.23	0.33	5.08	19.81
4710	4.28	2.36	4.07	1.63	0.84	0.13	4.58	17.89	5.35	2.41	5.35	2.14	1.60	0.24	6.14	23.23
4715	4.83	2.68	4.60	1.84	1.03	0.15	5.18	20.31	6.03	2.73	6.05	2.42	1.97	0.30	6.94	26.44
4720	7.18	4.06	5.85	2.34	2.14	0.32	7.75	29.64	8.98	4.15	7.70	3.08	4.08	0.61	10.38	38.98
4725	9.48	5.46	7.98	3.19	3.60	0.54	10.29	40.54	11.85	5.58	10.50	4.20	6.87	1.03	13.78	53.81
4730	11.31	6.87	10.37	3.11	5.20	0.78	11.29	48.93	13.57	6.98	13.65	4.09	9.93	1.49	14.51	64.22

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	
4735	15.51	9.48	13.68	4.10	5.47	0.82	15.50	64.56	18.61	9.63	18.00	5.40	10.44	1.57	19.93	83.58
4740	29.07	18.28	23.26	6.98	13.50	2.02	29.27	122.38	34.89	18.58	30.60	9.18	25.77	3.86	37.63	160.51
4750	3.19	1.77	3.04	1.22	0.70	0.11	3.42	13.45	3.98	1.81	4.00	1.60	1.35	0.20	4.58	17.52
4755	4.06	2.23	3.88	1.55	0.70	0.11	4.34	16.87	5.07	2.28	5.10	2.04	1.35	0.20	5.82	21.86
4760	4.56	2.53	4.10	1.64	1.03	0.15	4.89	18.90	5.70	2.59	5.40	2.16	1.97	0.30	6.55	24.67
4765	5.88	3.38	5.74	2.30	2.14	0.32	6.38	26.14	7.36	3.45	7.55	3.02	4.08	0.61	8.54	34.61
4770	9.21	5.31	8.17	3.27	3.60	0.54	10.00	40.10	11.51	5.43	10.75	4.30	6.87	1.03	13.39	53.28
4775	13.50	8.36	12.73	3.82	5.47	0.82	13.54	58.24	16.20	8.50	16.75	5.02	10.44	1.57	17.40	75.88
4785	2.88	1.65	3.04	1.22	1.03	0.15	3.12	13.09	3.60	1.68	4.00	1.60	1.97	0.30	4.18	17.33
4790	3.53	2.02	3.80	1.52	1.25	0.19	3.82	16.13	4.41	2.06	5.00	2.00	2.39	0.36	5.12	21.34
4795	4.25	2.38	4.56	1.82	1.09	0.16	4.58	18.84	5.32	2.43	6.00	2.40	2.08	0.31	6.13	24.67
4800	6.09	3.58	5.89	2.36	2.86	0.43	6.65	27.86	7.52	3.65	7.75	3.10	5.46	0.82	8.91	37.31
4805	8.60	4.97	7.18	2.87	3.43	0.51	9.34	36.90	10.75	5.08	9.45	3.78	6.54	0.98	12.51	49.09
4810	11.06	6.73	10.64	3.19	5.20	0.78	11.04	48.64	13.27	6.84	14.00	4.20	9.93	1.49	14.20	63.93
4815	15.86	9.67	15.77	4.73	5.47	0.82	15.84	68.16	19.03	9.83	20.75	6.22	10.44	1.57	20.37	88.21
4820	31.75	19.90	22.42	6.73	14.29	2.14	31.94	129.17	38.10	20.22	29.50	8.85	27.29	4.09	41.06	169.11
4830	6.14	3.60	6.08	2.43	2.86	0.43	6.70	28.24	7.67	3.68	8.00	3.20	5.46	0.82	8.97	37.80
4835	8.34	5.18	8.78	2.63	4.81	0.72	8.37	38.83	10.01	5.26	11.55	3.46	9.19	1.38	10.76	51.61
4840	11.18	6.80	11.67	3.50	5.20	0.78	11.16	50.29	13.41	6.91	15.35	4.60	9.93	1.49	14.35	66.04
4845	16.14	9.83	14.74	4.42	5.47	0.82	16.12	67.54	19.37	9.99	19.40	5.82	10.44	1.57	20.72	87.31
4850	22.15	13.70	16.49	4.95	8.88	1.33	22.20	89.70	26.58	13.93	21.70	6.51	16.95	2.54	28.55	116.76
4860	3.96	2.19	3.23	1.29	0.84	0.13	4.24	15.88	4.95	2.24	4.25	1.70	1.60	0.24	5.68	20.66
4865	4.53	2.52	9.03	2.89	1.03	0.15	4.87	25.02	5.66	2.57	11.77	3.77	9.97	0.30	6.52	32.56
4870	6.17	3.62	5.47	2.19	2.86	0.43	6.73	27.47	7.71	3.70	7.20	2.88	5.46	0.82	9.02	36.79
4875	7.88	4.53	6.92	2.77	2.98	0.45	8.55	34.08	9.85	4.63	9.10	3.64	5.69	0.85	11.45	45.21
4880	8.04	4.86	8.17	3.27	4.81	0.72	8.86	38.73	10.05	4.96	10.75	4.30	9.19	1.38	11.87	52.50
4885	11.17	6.79	10.83	3.25	5.20	0.78	11.15	49.17	13.40	6.90	14.25	4.27	9.93	1.49	14.33	64.57
4890	14.80	9.08	15.20	4.56	5.47	0.82	14.81	64.74	17.76	9.23	20.00	6.00	10.44	1.57	19.04	84.04
4900	2.52	1.54	2.09	0.59	0.21	0.03	3.35	10.33	3.15	1.56	2.75	0.77	0.29	0.04	4.45	13.01
4905	3.65	2.24	3.04	0.85	0.37	0.06	4.86	15.07	4.57	2.28	4.00	1.12	0.51	0.08	6.46	19.02
4915	2.40	1.49	2.36	0.66	0.36	0.05	3.21	10.53	3.01	1.52	3.10	0.87	0.51	0.08	4.27	13.36
4920	3.69	2.29	3.04	0.85	0.53	0.08	4.93	15.41	4.62	2.33	4.00	1.12	0.74	0.11	6.55	19.47
4930	3.10	1.63	1.60	0.61	0.00	0.00	5.61	12.55	3.87	1.67	2.11	0.80	0.00	0.00	7.60	16.05
4935	4.20	2.21	2.17	0.83	0.00	0.00	7.61	17.02	5.25	2.26	2.86	1.09	0.00	0.00	10.31	21.77
4945	3.85	2.03	2.66	1.01	0.00	0.00	6.98	16.53	4.81	2.07	3.51	1.33	0.00	0.00	9.45	21.17
4955	1.21	0.50	0.00	0.12	0.00	0.00	1.85	3.68								
4960	1.15	0.47	0.00	0.12	0.00	0.00	1.74	3.48								
4970	1.29	0.53	0.00	0.22	0.00	0.00	1.97	4.01								
4975	1.95	0.79	0.00	0.30	0.00	0.00	2.96	6.00								
4985	1.53	0.62	0.00	0.24	0.00	0.00	2.32	4.71								
4990	2.06	0.84	0.00	0.44	0.00	0.00	3.14	6.48								
4995	2.42	0.99	0.00	0.70	0.00	0.00	3.68	7.79								
5005	3.35	1.37	0.00	0.06	0.00	0.00	5.09	9.87								
5010	3.48	1.42	0.00	0.06	0.00	0.00	5.28	10.24								
5015	5.99	2.44	0.00	0.06	0.00	0.00	9.10	17.59								
5020	6.37	2.60	0.00	0.06	0.00	0.00	9.67	19.70								
5030	3.33	1.36	0.00	0.38	0.00	0.00	5.06	10.13								
5035	3.81	1.55	0.00	0.44	0.00	0.00	5.79	11.59								
5040	4.38	1.79	0.00	0.53	0.00	0.00	6.66	13.36								
5045	4.80	1.96	0.00	0.65	0.00	0.00	7.29	14.70								
5050	5.38	2.19	0.00	0.57	0.00	0.00	8.17	16.31								
5055	6.43	2.62	0.00	0.84	0.00	0.00	9.77	19.66								
5060	7.63	3.11	0.00	0.84	0.00	0.00	11.59	23.17								
5065	8.95	3.65	0.00	1.02	0.00	0.00	13.60	27.22								
5070	15.02	6.13	0.00	1.12	0.00	0.00	22.82	45.09								

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	
5080	2.45	1.00	0.00	0.44	0.00	0.00	3.72	7.61								
5085	2.90	1.16	0.00	0.58	0.00	0.00	4.41	9.07								
5090	3.95	1.61	0.00	0.58	0.00	0.00	6.00	12.14								
5095	1.02	0.42	0.00	0.22	0.00	0.00	1.55	3.21								
5100	1.28	0.52	0.00	0.30	0.00	0.00	1.94	4.04								
5105	1.64	0.67	0.00	0.38	0.00	0.00	2.49	5.18								
5115	4.23	1.73	0.00	0.60	0.00	0.00	6.43	12.99								
5120	4.85	1.98	0.00	0.70	0.00	0.00	7.37	14.90								
5125	5.21	2.12	0.00	0.84	0.00	0.00	7.91	16.08								
5130	6.27	2.56	0.00	0.98	0.00	0.00	9.52	19.33								
5135	7.90	3.22	0.00	1.02	0.00	0.00	11.99	24.13								
5140	11.40	4.65	0.00	1.21	0.00	0.00	17.31	34.57								
5150	5.93	2.42	2.24	0.63	0.00	0.00	9.00	23.22								
5155	11.58	4.72	5.93	1.66	0.00	0.00	17.59	41.48								
5160	15.80	6.44	11.21	3.14	0.00	0.00	24.00	63.59								
5170	5.83	4.10	2.20	0.71	0.00	0.00	7.19	20.03	6.99	4.15	2.83	0.91	0.00	0.00	9.78	24.66
5175	9.28	6.53	4.20	1.34	0.00	0.00	11.45	32.80	11.13	6.61	5.40	1.73	0.00	0.00	15.58	40.45
5180	10.62	7.47	4.20	1.34	0.00	0.00	13.11	36.74	12.74	7.57	5.40	1.73	0.00	0.00	17.83	45.27
5185	13.38	9.41	6.30	2.02	0.00	0.00	16.52	47.63	16.06	9.54	8.10	2.59	0.00	0.00	22.46	58.75
5190	18.68	13.14	8.61	2.76	0.00	0.00	23.06	66.25	22.42	13.31	11.07	3.54	0.00	0.00	31.36	81.70
5200	1.09	0.41	0.00	0.14	0.00	0.00	1.29	2.93								
5205	0.40	0.15	0.00	0.09	0.00	0.00	0.48	1.12								
5210	1.60	0.61	0.00	0.28	0.00	0.00	1.91	4.40								
5215	0.69	0.26	0.00	0.05	0.00	0.00	0.82	1.82								
5225	0.47	0.22	1.06	0.34	0.00	0.00	0.50	2.59								
5230	0.59	0.27	1.60	0.51	0.00	0.00	0.63	3.60								
5240	0.03	0.01	0.21	0.07	0.00	0.00	0.03	0.35								
5245	0.04	0.02	0.32	0.10	0.00	0.00	0.04	0.52								
5250	0.07	0.03	0.85	0.27	0.00	0.00	0.08	1.30								
5260	0.62	0.29	4.58	1.47	0.00	0.00	0.66	7.62								
5265	0.36	0.16	1.59	0.60	0.00	0.00	0.38	3.09								
5270	0.82	0.38	8.41	2.69	0.00	0.00	0.87	13.17								
5275	1.18	0.55	3.18	1.21	0.00	0.00	1.25	7.37								
5280	1.52	0.70	3.71	1.41	0.00	0.00	1.61	8.95								
5285	1.62	0.75	3.60	1.37	0.00	0.00	1.71	9.05								
5295	0.06	0.03	0.53	0.17	0.00	0.00	0.07	0.86								
5300	0.09	0.04	0.85	0.27	0.00	0.00	0.09	1.34								
5305	0.17	0.08	1.70	0.55	0.00	0.00	0.18	2.68								
5315	0.08	0.03	0.32	0.10	0.00	0.00	0.08	0.61								
5320	0.09	0.04	0.32	0.10	0.00	0.00	0.09	0.64								
5330	0.10	0.04	0.13	0.06	0.00	0.00	0.05	0.38								
5335	0.12	0.05	0.27	0.12	0.00	0.00	0.06	0.62								
5345	3.55	1.37	0.00	0.07	0.00	0.00	3.97	8.96	4.74	1.42	0.00	0.07	0.00	0.00	5.95	12.18
5350	0.28	0.11	0.00	0.00	0.00	0.00	0.31	0.70	0.37	0.11	0.00	0.00	0.00	0.00	0.47	0.95
5355	2.06	0.79	0.00	0.07	0.00	0.00	2.30	5.22	2.75	0.83	0.00	0.07	0.00	0.00	3.45	7.10
5360	0.20	0.08	0.00	0.00	0.00	0.00	0.22	0.50	0.27	0.08	0.00	0.00	0.00	0.00	0.34	0.69
5365	1.71	0.66	0.00	0.07	0.00	0.00	1.92	4.36	2.29	0.69	0.00	0.07	0.00	0.00	2.87	5.92
5370	0.12	0.05	0.00	0.00	0.00	0.00	0.14	0.31	0.16	0.05	0.00	0.00	0.00	0.00	0.20	0.41
5375	0.78	0.30	0.00	0.07	0.00	0.00	0.87	2.02	1.04	0.31	0.00	0.07	0.00	0.00	1.31	2.73
5380	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.05	0.10
5385	1.77	0.68	0.00	0.07	0.00	0.00	1.98	4.50	2.36	0.71	0.00	0.07	0.00	0.00	2.97	6.11
5390	0.16	0.06	0.00	0.00	0.00	0.00	0.18	0.40	0.21	0.06	0.00	0.00	0.00	0.00	0.27	0.54
5395	1.30	0.50	0.00	0.07	0.00	0.00	1.45	3.32	1.73	0.52	0.00	0.07	0.00	0.00	2.17	4.49
5400	0.12	0.05	0.00	0.00	0.00	0.00	0.13	0.30	0.16	0.05	0.00	0.00	0.00	0.00	0.20	0.41
5405	0.73	0.28	0.00	0.07	0.00	0.00	0.82	1.90	0.97	0.29	0.00	0.07	0.00	0.00	1.22	2.55

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS						SEVERE CONDITIONS						TOTAL RATE			
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR				
5410	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.03	0.01	0.00	0.00	0.00	0.04	0.08	
5415	2.00	0.77	0.00	0.07	0.00	0.00	2.23	5.07	2.67	0.80	0.00	0.07	0.00	0.00	3.35	6.89
5420	0.16	0.06	0.00	0.00	0.00	0.00	0.18	0.40	0.21	0.06	0.00	0.00	0.00	0.00	0.27	0.54
5425	1.94	0.75	0.00	0.07	0.00	0.00	2.17	4.93	2.59	0.78	0.00	0.07	0.00	0.00	3.26	6.70
5430	0.37	0.14	0.00	0.00	0.00	0.00	0.41	0.92	0.49	0.15	0.00	0.00	0.00	0.00	0.62	1.26
5435	1.77	0.68	0.00	0.07	0.00	0.00	1.98	4.50	2.36	0.71	0.00	0.07	0.00	0.00	2.97	6.11
5440	0.16	0.06	0.00	0.00	0.00	0.00	0.18	0.40	0.21	0.06	0.00	0.00	0.00	0.00	0.27	0.54
5445	0.61	0.29	0.00	0.07	0.00	0.00	0.68	1.65	0.76	0.29	0.00	0.07	0.00	0.00	0.95	2.07
5455	4.30	1.66	0.00	0.07	0.00	0.00	4.80	10.83	5.73	1.72	0.00	0.07	0.00	0.00	7.21	14.73
5460	0.32	0.12	0.00	0.00	0.00	0.00	0.35	0.79	0.42	0.13	0.00	0.00	0.00	0.00	0.53	1.08
5465	4.59	1.77	0.00	0.07	0.00	0.00	5.12	11.55	6.11	1.84	0.00	0.07	0.00	0.00	7.68	15.70
5470	3.67	1.41	0.00	0.07	0.00	0.00	4.09	9.24	4.89	1.47	0.00	0.07	0.00	0.00	6.14	12.57
5475	0.28	0.11	0.00	0.00	0.00	0.00	0.32	0.71	0.38	0.11	0.00	0.00	0.00	0.00	0.48	0.97
5480	3.41	1.32	0.00	0.07	0.00	0.00	3.81	8.61	4.55	1.37	0.00	0.07	0.00	0.00	5.72	11.71
5485	2.38	0.92	0.00	0.07	0.00	0.00	2.66	6.03	3.17	0.95	0.00	0.07	0.00	0.00	3.98	8.17
5490	0.16	0.06	0.00	0.00	0.00	0.00	0.18	0.40	0.21	0.06	0.00	0.00	0.00	0.00	0.27	0.54
5495	2.31	0.89	0.00	0.07	0.00	0.00	2.58	5.05	3.08	0.92	0.00	0.07	0.00	0.00	3.87	7.94
5500	1.38	0.53	0.00	0.07	0.00	0.00	1.54	3.52	1.84	0.55	0.00	0.07	0.00	0.00	2.32	4.78
5505	0.08	0.03	0.00	0.00	0.00	0.00	0.09	0.20	0.11	0.03	0.00	0.00	0.00	0.00	0.14	0.28
5510	0.87	0.33	0.00	0.07	0.00	0.00	0.97	2.24	1.15	0.35	0.00	0.07	0.00	0.00	1.45	3.02
5515	0.04	0.02	0.00	0.00	0.00	0.00	0.05	0.11	0.06	0.02	0.00	0.00	0.00	0.00	0.07	0.15
5520	0.53	0.21	0.00	0.07	0.00	0.00	0.60	1.41	0.71	0.21	0.00	0.07	0.00	0.00	0.89	1.88
5525	0.02	0.01	0.00	0.00	0.00	0.00	0.03	0.06	0.03	0.01	0.00	0.00	0.00	0.00	0.04	0.08
5530	0.24	0.09	0.00	0.07	0.00	0.00	0.26	0.66	0.32	0.09	0.00	0.07	0.00	0.00	0.40	0.88
5535	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05
5545	4.85	1.87	0.00	0.05	0.00	0.00	5.41	12.18	6.46	1.94	0.00	0.05	0.00	0.00	8.12	16.57
5550	3.93	1.51	0.00	0.05	0.00	0.00	4.39	9.88	5.24	1.57	0.00	0.05	0.00	0.00	6.59	13.45
5555	2.55	0.98	0.00	0.05	0.00	0.00	2.85	6.43	3.40	1.02	0.00	0.05	0.00	0.00	4.28	8.75
5560	2.41	0.93	0.00	0.05	0.00	0.00	2.69	6.08	3.22	0.97	0.00	0.05	0.00	0.00	4.04	8.28
5570	2.17	1.15	3.23	0.78	0.21	0.03	2.46	10.03								
5575	2.31	1.22	3.23	0.78	0.21	0.03	2.62	10.40								
5580	3.07	1.62	3.23	0.78	0.26	0.04	3.48	12.48								
5585	4.66	2.71	4.75	1.14	1.65	0.25	5.43	20.59								
5595	1.95	1.04	2.89	0.69	0.21	0.03	2.21	9.02								
5600	2.10	1.12	2.89	0.69	0.21	0.03	2.39	9.43								
5605	2.15	1.14	2.96	0.71	0.21	0.03	2.44	9.64								
5610	2.06	1.10	8.26	1.98	0.26	0.04	2.34	16.04								
5615	2.30	1.23	2.89	0.69	0.26	0.04	2.61	10.02								
5620	2.13	1.15	8.26	1.98	0.30	0.05	2.43	16.30								
5625	2.38	1.28	2.89	0.69	0.30	0.05	2.71	10.30								
5630	5.17	2.80	4.45	1.07	0.76	0.11	5.90	20.26								
5640	2.18	1.16	2.58	0.62	0.21	0.03	2.47	9.25								
5645	2.57	1.43	2.58	0.62	0.60	0.09	2.95	10.84								
5650	5.42	2.92	4.94	1.19	0.73	0.11	6.18	21.49								
5655	6.56	3.56	4.94	1.19	1.06	0.16	7.49	24.96								
5665	2.18	1.89	0.00	0.05	2.22	0.33	2.91	9.58								
5670	2.96	2.20	0.00	0.05	2.73	0.41	3.74	12.09								
5680	2.63	2.41	0.00	0.09	3.05	0.46	3.60	12.24								
5685	2.75	2.14	0.00	0.09	2.11	0.32	3.53	10.94								
5690	4.51	3.37	0.00	0.09	3.05	0.46	5.71	17.19								
5700	0.46	0.29	0.00	0.05	0.24	0.04	0.55	1.63								
5710	0.79	0.41	0.00	0.11	0.00	0.00	0.89	2.20								
5715	1.01	0.52	0.00	0.11	0.00	0.00	1.13	2.77								
5720	1.04	0.53	0.00	0.11	0.00	0.00	1.17	2.85								
5725	1.56	0.80	0.00	0.11	0.00	0.00	1.75	4.22								

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	
5730	2.39	1.22	0.00	0.11	0.00	0.00	2.68	6.40								
5735	3.61	1.85	0.00	0.11	0.00	0.00	4.05	9.62								
5740	2.36	1.21	0.00	0.12	0.00	0.00	2.65	6.34								
5745	2.75	1.41	0.00	0.11	0.00	0.00	3.09	7.36								
5750	4.25	2.17	0.00	0.11	0.00	0.00	4.77	11.30								
5760	0.35	0.18	0.00	0.12	0.00	0.00	0.40	1.05								
5765	0.71	0.36	0.00	0.12	0.00	0.00	0.80	1.99								
5775	9.90	5.07	6.46	1.55	0.00	0.00	11.12	34.10								
5780	15.15	7.75	11.78	2.83	0.00	0.00	17.01	54.52								
5785	15.95	8.16	11.78	2.83	0.00	0.00	17.91	56.53								
5795	16.67	8.53	12.54	3.01	0.00	0.00	18.72	59.47								
5805	1.61	0.82	1.48	0.36	0.00	0.00	1.81	6.08								
5810	1.95	1.00	1.48	0.36	0.00	0.00	2.19	6.98								
5815	2.68	1.37	3.23	0.78	0.00	0.00	3.01	11.07								
5820	2.88	1.48	3.23	0.78	0.00	0.00	3.24	11.61								
5825	3.12	1.59	3.23	0.78	0.00	0.00	3.50	12.22								
5830	3.41	1.74	3.23	0.78	0.00	0.00	3.83	12.99								
5840	3.45	1.77	8.26	1.98	0.00	0.00	3.88	19.34								
5845	3.70	1.89	3.23	0.78	0.00	0.00	4.15	13.75								
5850	3.66	1.87	8.26	1.98	0.00	0.00	4.11	19.88								
5855	3.91	2.00	3.23	0.78	0.00	0.00	4.39	14.31								
5860	1.63	0.83	4.17	1.00	0.00	0.00	1.83	9.46								
5865	2.31	1.18	8.26	1.98	0.00	0.00	2.59	16.32								
5870	2.55	1.31	2.89	0.69	0.00	0.00	2.86	10.30								
5875	2.80	1.43	8.26	1.98	0.00	0.00	3.14	17.61								
5880	3.04	1.56	2.89	0.69	0.00	0.00	3.41	11.59								
5885	3.04	1.56	8.26	1.98	0.00	0.00	3.42	18.26								
5890	3.29	1.68	2.89	0.69	0.00	0.00	3.69	12.24								
5900	1.05	0.44	1.92	0.46	0.00	0.00	1.47	5.34								
5905	1.28	0.54	1.92	0.46	0.00	0.00	1.80	6.00								
5910	2.61	1.09	2.28	0.55	0.00	0.00	3.66	10.19								
5915	2.83	1.18	2.28	0.55	0.00	0.00	3.98	10.82								
5920	4.03	1.69	5.03	1.21	0.00	0.00	5.66	17.62								
5925	4.22	1.77	5.03	1.21	0.00	0.00	5.93	18.16								
5935	3.01	1.26	2.60	0.62	0.00	0.00	4.23	11.72								
5940	3.27	1.37	2.60	0.62	0.00	0.00	4.59	12.45								
5945	4.88	2.04	4.08	0.98	0.00	0.00	6.85	18.83								
5950	5.33	2.23	4.08	0.98	0.00	0.00	7.49	20.11								
5960	2.55	1.07	1.91	0.46	0.00	0.00	3.58	9.57								
5965	3.04	1.27	2.07	0.50	0.00	0.00	4.27	11.15								
5975	1.55	0.65	1.59	0.38	0.00	0.00	2.18	6.35								
5980	1.41	0.59	1.59	0.38	0.00	0.00	1.98	5.95								
5990	6.13	2.56	3.97	0.95	0.00	0.00	8.60	22.21								
5995	4.67	1.95	2.65	0.64	0.00	0.00	6.56	16.47								
6005	1.89	0.79	1.91	0.46	0.00	0.00	2.65	7.70								
6010	3.76	1.57	3.18	0.76	0.00	0.00	5.28	14.55								
6015	5.09	2.13	4.77	1.14	0.00	0.00	7.15	20.28								
6025	4.57	1.94	3.87	0.93	0.14	0.02	6.44	17.91								
6030	5.07	2.17	3.87	0.93	0.25	0.04	7.16	19.49								
6035	5.72	2.43	3.87	0.93	0.21	0.03	8.07	21.26								
6040	6.73	2.91	6.62	1.59	0.52	0.08	9.53	27.98								
6045	5.30	2.32	6.62	1.59	0.56	0.08	7.54	24.01								
6050	5.62	2.46	6.62	1.59	0.56	0.08	7.99	24.92								
6055	6.48	2.81	6.62	1.59	0.56	0.08	9.19	27.33								
6060	5.93	2.58	6.62	1.59	0.56	0.08	8.42	25.78								

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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
6065	7.43	3.21	6.62	1.59	0.56	0.08	10.53	30.02								
6075	6.14	2.57	6.62	1.59	0.00	0.00	8.62	25.54								
6080	5.29	2.31	4.50	1.08	0.52	0.08	7.52	21.30								
6085	5.79	2.53	6.36	1.53	0.56	0.08	8.23	25.08								
6090	6.65	2.88	6.36	1.53	0.56	0.08	9.43	27.49								
6100	6.67	2.89	6.09	1.46	0.56	0.08	9.46	27.21								
6105	10.64	4.58	11.13	2.67	0.69	0.10	15.05	44.86								
6115	4.51	1.91	3.71	0.89	0.11	0.02	6.35	17.50								
6120	4.52	1.93	3.71	0.89	0.22	0.03	6.38	17.68								
6125	6.19	2.61	4.24	1.02	0.12	0.02	8.70	22.90								
6130	5.23	2.23	4.24	1.02	0.22	0.03	7.37	20.34								
6135	4.91	2.09	3.71	0.89	0.20	0.03	6.93	18.76								
6140	5.59	2.44	4.66	1.12	0.56	0.08	7.94	22.39								
6145	6.63	2.87	4.66	1.12	0.52	0.08	9.39	25.27								
6150	6.67	2.89	4.66	1.12	0.56	0.08	9.46	25.44								
6155	7.46	3.21	6.31	1.51	0.51	0.08	10.56	29.64								
6160	6.39	2.78	6.62	1.59	0.56	0.08	9.07	27.09								
6165	7.66	3.58	6.31	1.51	2.09	0.31	11.10	32.56								
6170	6.55	3.12	6.31	1.51	2.09	0.31	9.55	29.44								
6175	6.52	2.95	6.62	1.59	1.21	0.18	9.36	28.43								
6185	4.48	1.91	3.60	0.86	0.20	0.03	6.33	17.41								
6190	3.94	1.67	3.60	0.86	0.14	0.02	5.55	15.78								
6195	4.80	2.03	4.24	1.02	0.14	0.02	6.76	19.01								
6200	5.25	2.23	3.97	0.95	0.20	0.03	7.40	20.03								
6205	5.29	2.24	4.24	1.02	0.14	0.02	7.45	20.40								
6210	6.73	2.92	5.83	1.40	0.56	0.08	9.54	27.06								
6215	5.56	2.43	5.67	1.36	0.56	0.08	7.89	23.55								
6220	6.03	2.62	5.67	1.36	0.56	0.08	8.55	24.87								
6225	7.76	3.35	5.83	1.40	0.56	0.08	10.98	29.96								
6235	0.82	0.34	0.85	0.20	0.00	0.00	1.15	3.36								
6240	2.39	1.00	1.80	0.43	0.00	0.00	3.36	8.98								
6245	5.37	2.24	3.76	0.90	0.00	0.00	7.53	19.80								
6250	6.87	2.88	6.62	1.59	0.00	0.00	9.65	27.61								
6255	8.70	3.64	8.21	1.97	0.00	0.00	12.21	34.73								
6260	10.00	4.18	9.59	2.30	0.00	0.00	14.04	40.11								
6265	11.28	4.72	11.92	2.86	0.00	0.00	15.83	46.61								
6275	0.84	0.35	0.85	0.20	0.00	0.00	1.18	3.42								
6280	2.03	0.85	1.85	0.45	0.00	0.00	2.86	8.04								
6285	5.31	2.22	3.71	0.89	0.00	0.00	7.46	19.59								
6290	7.31	3.06	6.09	1.46	0.00	0.00	10.25	28.17								
6295	8.50	3.55	6.31	1.51	0.00	0.00	11.93	31.80								
6305	0.83	0.35	0.74	0.18	0.00	0.00	1.16	3.26								
6310	4.20	1.76	2.76	0.66	0.00	0.00	5.90	15.28								
6315	6.35	2.66	4.24	1.02	0.00	0.00	8.91	23.18								
6320	8.60	3.60	8.27	1.98	0.00	0.00	12.08	34.53								
6325	12.86	5.38	13.89	3.33	0.00	0.00	18.05	53.51								
6335	7.01	4.32	5.85	1.99	4.94	0.74	8.20	33.05								
6340	14.99	8.40	11.55	3.12	11.67	1.75	12.92	64.40								
6345	15.52	9.68	12.87	3.09	11.67	1.75	15.80	70.38								
6350	19.22	9.80	16.65	4.16	8.99	1.35	17.52	77.69								
6355	20.50	10.40	16.65	4.16	8.99	1.35	18.66	80.71								
6360	24.45	12.64	15.75	4.25	10.08	1.51	20.64	89.32								
6365	25.95	14.92	17.55	4.21	10.08	1.51	25.75	99.97								
6370	30.70	15.56	26.08	6.52	13.37	2.01	27.94	122.18								
6375	32.12	16.23	26.08	6.52	13.37	2.01	29.21	125.54								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR		
6380	30.52	15.74	19.25	5.20	12.31	1.85	25.75	110.62	38.15	16.12	25.30	6.83	20.44	3.07	34.87	144.78
6385	31.91	16.39	19.25	5.20	12.31	1.85	26.90	113.81	39.89	16.79	25.30	6.83	20.44	3.07	36.42	148.74
6390	40.09	20.22	35.15	8.79	16.32	2.45	36.45	159.47	50.11	20.71	45.60	11.40	28.35	4.25	49.06	209.48
6400	6.18	3.59	6.24	2.12	2.65	0.40	7.09	28.27	7.72	3.66	8.16	2.77	4.40	0.66	9.46	36.83
6405	7.13	4.12	6.79	2.31	2.93	0.44	8.18	31.90	8.91	4.21	8.87	3.02	4.87	0.73	10.90	41.51
6410	9.23	5.41	9.05	2.17	4.37	0.66	9.21	40.10	11.53	5.53	11.83	2.84	7.26	1.09	12.40	52.48
6415	14.03	7.11	10.36	2.59	6.08	0.91	12.77	53.85	17.54	7.28	13.44	3.36	10.55	1.58	17.19	70.94
6420	15.67	9.05	12.64	3.03	6.35	0.95	15.57	63.26	19.59	9.24	16.52	3.97	10.54	1.58	20.96	82.40
6430	10.19	5.91	8.93	2.14	4.37	0.66	10.14	42.34	12.73	6.04	11.68	2.80	7.26	1.09	13.65	55.25
6435	14.85	7.69	11.37	3.07	6.29	0.94	12.54	56.75	18.56	7.88	14.95	4.04	10.45	1.57	16.98	74.43
6440	15.79	9.05	12.67	3.04	5.89	0.88	15.65	62.97	19.74	9.24	16.57	3.98	9.79	1.47	21.07	81.86
6445	18.18	9.31	18.35	4.59	8.99	1.35	16.58	77.35	22.72	9.53	23.81	5.95	15.61	2.34	22.33	102.29
6450	21.95	11.02	18.35	4.59	8.42	1.26	19.93	85.52	27.44	11.29	23.81	5.95	14.62	2.19	26.83	112.13
6460	7.38	4.23	6.55	2.23	2.79	0.42	8.44	32.04	9.22	4.32	8.57	2.91	4.64	0.70	11.26	41.62
6465	15.73	8.17	11.41	3.08	6.78	1.02	13.29	59.48	19.66	8.36	15.00	4.05	11.25	1.69	18.00	78.01
6470	18.77	9.59	18.91	4.73	8.99	1.35	17.12	79.46	23.46	9.82	24.53	6.13	15.61	2.34	23.04	104.93
6475	16.33	9.45	12.71	3.05	6.78	1.02	16.24	65.58	20.41	9.65	16.63	3.99	11.25	1.69	21.86	85.48
6480	21.17	10.77	18.91	4.73	9.68	1.45	19.28	85.99	26.46	11.03	24.53	6.13	16.81	2.52	25.96	113.44
6490	7.81	4.46	6.82	2.32	2.79	0.42	8.92	33.54	9.76	4.55	8.92	3.03	4.64	0.70	11.90	43.50
6495	10.36	6.00	9.75	2.34	4.37	0.66	10.30	43.78	12.94	6.13	12.75	3.06	7.26	1.09	13.87	57.10
6505	15.41	8.97	12.09	2.90	6.78	1.02	15.35	62.52	19.27	9.16	15.81	3.79	11.25	1.69	20.67	81.64
6510	25.24	13.40	16.62	4.49	13.40	2.01	21.45	96.61	31.55	13.73	21.85	5.90	22.27	3.34	29.05	127.69
6515	16.68	8.51	10.66	2.66	7.84	1.18	15.21	62.74	20.85	8.71	13.82	3.46	13.62	2.04	20.47	82.97
6520	22.06	11.19	19.24	4.81	9.68	1.45	20.09	88.52	27.58	11.46	24.96	6.24	16.81	2.52	27.04	116.61
6525	29.62	15.02	22.90	5.73	12.99	1.95	26.96	115.17	37.02	15.38	29.71	7.43	22.57	3.39	36.29	151.79
6530	33.12	17.09	26.53	6.63	17.78	2.67	30.27	134.09	41.40	17.50	34.42	8.60	30.88	4.63	40.75	178.18
6545	3.71	2.37	0.00	0.12	1.71	0.26	3.69	11.86	4.45	2.40	0.00	0.12	2.24	0.34	4.75	14.30
6550	4.71	3.14	0.00	0.12	2.90	0.43	4.74	16.04	5.65	3.19	0.00	0.12	3.79	0.57	6.10	19.42
6560	1.84	1.21	0.00	0.07	0.99	0.15	1.85	6.11	2.21	1.23	0.00	0.07	1.30	0.19	2.37	7.37
6570	2.32	1.37	2.66	0.85	0.00	0.00	4.19	11.39	2.89	1.40	3.51	1.12	0.00	0.00	5.72	14.64
6575	0.56	0.26	0.00	0.07	0.00	0.00	0.62	1.51	0.70	0.27	0.00	0.07	0.00	0.00	0.88	1.92
6580	2.89	1.72	3.07	0.98	0.00	0.00	5.24	13.90	3.62	1.75	4.05	1.30	0.00	0.00	7.14	17.86
6585	0.72	0.34	0.00	0.07	0.00	0.00	0.81	1.94	0.90	0.35	0.00	0.07	0.00	0.00	1.13	2.45
6590	0.56	0.26	0.00	0.07	0.00	0.00	0.63	1.52	0.70	0.27	0.00	0.07	0.00	0.00	0.88	1.92
6595	4.84	2.87	4.30	1.38	0.00	0.00	3.76	22.15	6.05	2.93	5.67	1.81	0.00	0.00	11.94	28.40
6600	0.90	0.42	0.00	0.07	0.00	0.00	1.00	2.39	1.12	0.43	0.00	0.07	0.00	0.00	1.41	3.03
6605	0.69	0.33	0.00	0.07	0.00	0.00	0.77	1.86	0.86	0.33	0.00	0.07	0.00	0.00	1.09	2.35
6610	6.61	3.93	5.74	1.84	0.00	0.00	11.97	30.09	8.27	4.00	7.56	2.42	0.00	0.00	16.33	38.58
6615	0.91	0.43	0.00	0.07	0.00	0.00	1.01	2.42	1.13	0.44	0.00	0.07	0.00	0.00	1.42	3.06
6620	1.02	0.48	0.00	0.07	0.00	0.00	1.14	2.71	1.28	0.49	0.00	0.07	0.00	0.00	1.61	3.45
6625	9.49	5.64	8.20	2.62	0.00	0.00	17.19	43.14	11.86	5.74	10.80	3.46	0.00	0.00	23.44	55.30
6630	1.46	0.69	0.00	0.07	0.00	0.00	1.63	3.85	1.82	0.70	0.00	0.07	0.00	0.00	2.29	4.88
6635	1.60	0.75	0.00	0.07	0.00	0.00	1.78	4.20	2.00	0.77	0.00	0.07	0.00	0.00	2.51	5.35
6640	1.27	0.60	0.00	0.07	0.00	0.00	1.42	3.36	1.59	0.61	0.00	0.07	0.00	0.00	2.00	4.27
6645	11.53	7.19	12.30	3.07	0.00	0.00	15.68	49.77	13.84	7.29	16.20	4.05	0.00	0.00	20.91	62.29
6650	2.13	1.00	0.00	0.07	0.00	0.00	2.38	5.58	2.66	1.02	0.00	0.07	0.00	0.00	3.34	7.09
6655	2.34	1.10	0.00	0.07	0.00	0.00	2.62	6.13	2.93	1.13	0.00	0.07	0.00	0.00	3.68	7.81
6660	1.80	0.85	0.00	0.07	0.00	0.00	2.01	4.73	2.25	0.87	0.00	0.07	0.00	0.00	2.83	6.02
6665	0.06	0.03	0.00	0.05	0.00	0.00	0.06	0.20	0.07	0.03	0.00	0.05	0.00	0.00	0.09	0.24
6670	16.72	10.71	18.86	4.15	0.00	0.00	21.00	71.44	19.50	10.83	24.84	5.46	0.00	0.00	27.23	87.86
6675	2.92	1.37	0.00	0.07	0.00	0.00	3.26	7.62	3.64	1.40	0.00	0.07	0.00	0.00	4.58	9.69
6680	2.27	1.07	0.00	0.07	0.00	0.00	2.54	5.95	2.84	1.09	0.00	0.07	0.00	0.00	3.57	7.57
6685	3.08	1.45	0.00	0.07	0.00	0.00	3.44	8.04	3.85	1.48	0.00	0.07	0.00	0.00	4.84	10.24
6690	2.56	1.21	0.00	0.07	0.00	0.00	2.86	6.70	3.20	1.23	0.00	0.07	0.00	0.00	4.03	8.53
6695	0.77	0.36	0.00	0.12	0.00	0.00	0.86	2.11	0.96	0.37	0.00	0.12	0.00	0.00	1.21	2.66

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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	
6700	0.08	0.04	0.00	0.07	0.00	0.00	0.09	0.28	0.10	0.04	0.00	0.07	0.00	0.00	0.13	0.34
6705	28.20	18.06	28.70	6.31	0.00	0.00	35.43	116.70	32.89	18.27	37.80	8.32	0.00	0.00	45.93	143.21
6710	4.45	2.09	0.00	0.07	0.00	0.00	4.96	11.57	5.56	2.14	0.00	0.07	0.00	0.00	6.98	14.75
6715	4.89	2.30	0.00	0.07	0.00	0.00	5.46	12.72	6.11	2.35	0.00	0.07	0.00	0.00	7.68	16.21
6720	0.10	0.04	0.00	0.07	0.00	0.00	0.11	0.32	0.12	0.05	0.00	0.07	0.00	0.00	0.15	0.39
6725	1.35	0.64	0.00	0.07	0.00	0.00	1.51	3.57	1.69	0.65	0.00	0.07	0.00	0.00	2.13	4.54
6735	3.53	2.10	3.61	1.15	0.00	0.00	6.40	16.79	4.42	2.14	4.75	1.52	0.00	0.00	8.73	21.56
6740	0.61	0.29	0.00	0.07	0.00	0.00	0.68	1.65	0.76	0.29	0.00	0.07	0.00	0.00	0.96	2.08
6745	0.61	0.29	0.00	0.05	0.00	0.00	0.68	1.63	0.76	0.29	0.00	0.05	0.00	0.00	0.96	2.06
6750	4.74	2.82	5.00	1.60	0.00	0.00	8.59	22.75	5.93	2.87	6.59	2.11	0.00	0.00	11.71	29.21
6755	0.68	0.32	0.00	0.07	0.00	0.00	0.76	1.83	0.85	0.33	0.00	0.07	0.00	0.00	1.07	2.32
6760	0.83	0.39	0.00	0.05	0.00	0.00	0.93	2.20	1.04	0.40	0.00	0.05	0.00	0.00	1.31	2.80
6765	6.62	3.93	6.15	1.97	0.00	0.00	11.99	30.66	8.28	4.01	8.10	2.59	0.00	0.00	16.35	39.33
6770	1.04	0.49	0.00	0.07	0.00	0.00	1.17	2.77	1.30	0.50	0.00	0.07	0.00	0.00	1.64	3.51
6775	1.04	0.49	0.00	0.05	0.00	0.00	1.16	2.74	1.30	0.50	0.00	0.05	0.00	0.00	1.64	3.49
6780	8.42	5.00	9.14	2.93	0.00	0.00	15.25	40.74	10.53	5.10	12.04	3.85	0.00	0.00	20.79	52.31
6785	1.11	0.52	0.00	0.07	0.00	0.00	1.24	2.94	1.39	0.53	0.00	0.07	0.00	0.00	1.74	3.73
6790	1.17	0.55	0.00	0.07	0.00	0.00	1.30	3.09	1.46	0.56	0.00	0.07	0.00	0.00	1.83	3.92
6795	1.58	0.74	0.00	0.05	0.00	0.00	1.77	4.14	1.98	0.76	0.00	0.05	0.00	0.00	2.49	5.28
6800	11.42	7.12	12.30	3.07	0.00	0.00	15.52	49.43	13.70	7.22	16.20	4.05	0.00	0.00	20.70	61.87
6805	2.21	1.04	0.00	0.05	0.00	0.00	2.46	5.76	2.76	1.06	0.00	0.05	0.00	0.00	3.46	7.33
6810	2.24	1.05	0.00	0.05	0.00	0.00	2.50	5.84	2.80	1.08	0.00	0.05	0.00	0.00	3.51	7.44
6815	15.71	9.80	17.42	4.36	0.00	0.00	21.37	68.66	18.86	9.94	22.95	5.74	0.00	0.00	28.49	85.98
6820	3.32	1.56	0.00	0.05	0.00	0.00	3.71	8.64	4.15	1.60	0.00	0.05	0.00	0.00	5.21	11.01
6825	3.40	1.60	0.00	0.05	0.00	0.00	3.80	8.85	4.25	1.64	0.00	0.05	0.00	0.00	5.34	11.28
6830	2.13	1.00	0.00	0.07	0.00	0.00	2.38	5.58	2.66	1.03	0.00	0.07	0.00	0.00	3.35	7.11
6835	21.11	13.52	21.48	4.73	0.00	0.00	26.53	87.37	24.63	13.68	28.30	6.23	0.00	0.00	34.38	107.22
6840	3.84	1.80	0.00	0.05	0.00	0.00	4.29	9.98	4.80	1.85	0.00	0.05	0.00	0.00	6.03	12.73
6845	4.39	2.07	0.00	0.05	0.00	0.00	4.91	11.42	5.49	2.12	0.00	0.05	0.00	0.00	6.90	14.56
6850	2.44	1.15	0.00	0.07	0.00	0.00	2.73	6.39	3.06	1.18	0.00	0.07	0.00	0.00	3.84	8.15
6860	3.05	1.81	2.66	0.85	0.00	0.00	5.52	13.89	3.81	1.85	3.51	1.12	0.00	0.00	7.53	17.82
6865	3.79	2.25	3.20	1.02	0.00	0.00	6.86	17.12	4.73	2.29	4.21	1.35	0.00	0.00	9.35	21.93
6870	5.26	3.12	4.51	1.44	0.00	0.00	9.52	23.85	6.57	3.18	5.94	1.90	0.00	0.00	12.98	30.57
6875	6.29	3.74	5.74	1.84	0.00	0.00	11.39	29.00	7.86	3.81	7.56	2.42	0.00	0.00	15.53	37.18
6880	0.85	0.40	0.00	0.05	0.00	0.00	0.95	2.25	1.06	0.41	0.00	0.05	0.00	0.00	1.34	2.86
6885	0.96	0.45	0.00	0.05	0.00	0.00	1.07	2.53	1.20	0.46	0.00	0.05	0.00	0.00	1.51	3.22
6890	9.43	5.60	8.61	2.76	0.00	0.00	17.07	43.47	11.78	5.70	11.34	3.63	0.00	0.00	23.27	55.72
6895	1.51	0.71	0.00	0.05	0.00	0.00	1.68	3.95	1.88	0.73	0.00	0.05	0.00	0.00	2.37	5.03
6900	1.02	0.48	0.00	0.05	0.00	0.00	1.14	2.69	1.27	0.49	0.00	0.05	0.00	0.00	1.60	3.41
6905	11.25	7.01	12.71	3.18	0.00	0.00	15.30	49.45	13.50	7.11	16.74	4.18	0.00	0.00	20.39	61.92
6910	1.85	0.87	0.00	0.05	0.00	0.00	2.07	4.84	2.32	0.89	0.00	0.05	0.00	0.00	2.91	6.17
6915	1.53	0.72	0.00	0.05	0.00	0.00	1.71	4.01	1.91	0.74	0.00	0.05	0.00	0.00	2.40	5.10
6920	0.64	0.30	0.00	0.07	0.00	0.00	0.72	1.73	0.80	0.31	0.00	0.07	0.00	0.00	1.01	2.19
6925	0.37	0.18	0.00	0.12	0.00	0.00	0.42	1.09	0.47	0.18	0.00	0.12	0.00	0.00	0.59	1.36
6930	0.06	0.03	0.00	0.07	0.00	0.00	0.06	0.22	0.07	0.03	0.00	0.07	0.00	0.00	0.09	0.26
6940	2.02	1.20	1.72	0.55	0.00	0.00	3.66	9.15	2.53	1.22	2.27	0.73	0.00	0.00	4.99	11.74
6945	2.81	1.67	2.66	0.85	0.00	0.00	5.09	13.08	3.52	1.70	3.51	1.12	0.00	0.00	6.95	16.80
6950	3.36	2.00	2.95	0.94	0.00	0.00	6.08	15.33	4.20	2.03	3.89	1.24	0.00	0.00	8.30	19.66
6960	2.29	1.36	2.58	0.83	0.00	0.00	4.15	11.21	2.86	1.39	3.40	1.09	0.00	0.00	5.66	14.40
6965	0.44	0.21	0.00	0.05	0.00	0.00	0.49	1.19	0.55	0.21	0.00	0.05	0.00	0.00	0.69	1.50
6970	3.44	2.04	3.69	1.18	0.00	0.00	6.23	16.58	4.30	2.08	4.86	1.56	0.00	0.00	8.50	21.30
6975	0.31	0.15	0.00	0.05	0.00	0.00	0.35	0.86	0.39	0.15	0.00	0.05	0.00	0.00	0.49	1.08
6980	5.04	2.99	4.84	1.55	0.00	0.00	9.13	23.55	6.30	3.05	6.37	2.04	0.00	0.00	12.45	30.21
6985	0.52	0.25	0.00	0.05	0.00	0.00	0.58	1.40	0.65	0.25	0.00	0.05	0.00	0.00	0.82	1.77
6990	7.13	4.24	6.35	2.03	0.00	0.00	12.92	32.67	8.92	4.32	8.37	2.68	0.00	0.00	17.61	41.90

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	FCG	TIRE WEAR	TIRE RPR	REPR	
6995	0.68	0.32	0.00	0.05	0.00	0.00	0.76	1.81	0.85	0.33	0.00	0.05	0.00	0.00	1.07	2.30
7000	8.97	5.32	9.02	2.89	0.00	0.00	16.23	42.43	11.21	5.43	11.88	3.80	0.00	0.00	22.14	54.46
7005	1.07	0.50	0.00	0.05	0.00	0.00	1.19	2.81	1.33	0.51	0.00	0.05	0.00	0.00	1.67	3.56
7010	1.14	0.53	0.00	0.05	0.00	0.00	1.27	2.99	1.42	0.55	0.00	0.05	0.00	0.00	1.79	3.81
7015	11.70	7.29	13.12	3.28	0.00	0.00	15.90	51.29	14.04	7.40	17.28	4.32	0.00	0.00	21.21	64.25
7020	1.46	0.69	0.00	0.05	0.00	0.00	1.63	3.83	1.83	0.70	0.00	0.05	0.00	0.00	2.30	4.88
7025	1.54	0.73	0.00	0.05	0.00	0.00	1.72	4.04	1.93	0.74	0.00	0.05	0.00	0.00	2.43	5.15
7030	15.76	9.82	16.81	4.20	0.00	0.00	21.43	68.02	18.91	9.97	22.14	5.53	0.00	0.00	28.57	85.12
7035	1.99	0.93	0.00	0.05	0.00	0.00	2.22	5.19	2.48	0.96	0.00	0.05	0.00	0.00	3.12	6.61
7040	1.81	0.85	0.00	0.05	0.00	0.00	2.02	4.73	2.26	0.87	0.00	0.05	0.00	0.00	2.84	6.02
7045	25.87	16.57	25.42	5.59	0.00	0.00	32.51	105.96	30.18	16.77	33.48	7.37	0.00	0.00	42.14	129.94
7050	4.78	2.25	0.00	0.05	0.00	0.00	5.34	12.42	5.98	2.30	0.00	0.05	0.00	0.00	7.51	15.84
7055	4.50	2.12	0.00	0.05	0.00	0.00	5.02	11.69	5.62	2.17	0.00	0.05	0.00	0.00	7.06	14.90
7060	4.21	1.98	0.00	0.05	0.00	0.00	4.70	10.94	5.26	2.03	0.00	0.05	0.00	0.00	6.61	13.95
7070	9.73	5.78	8.40	2.69	0.00	0.00	17.61	44.21	12.16	5.89	11.07	3.54	0.00	0.00	24.01	56.67
7075	1.07	0.50	0.00	0.05	0.00	0.00	1.20	2.82	1.34	0.52	0.00	0.05	0.00	0.00	1.68	3.59
7080	1.20	0.56	0.00	0.05	0.00	0.00	1.34	3.15	1.50	0.58	0.00	0.05	0.00	0.00	1.88	4.01
7085	1.23	0.58	0.00	0.05	0.00	0.00	1.37	3.23	1.53	0.59	0.00	0.05	0.00	0.00	1.93	4.10
7090	10.20	6.36	10.66	2.66	0.00	0.00	13.87	43.75	12.24	6.45	14.04	3.51	0.00	0.00	18.49	54.73
7095	1.51	0.71	0.00	0.05	0.00	0.00	1.59	3.96	1.89	0.73	0.00	0.05	0.00	0.00	2.38	5.05
7100	1.99	0.93	0.00	0.05	0.00	0.00	2.22	5.19	2.48	0.96	0.00	0.05	0.00	0.00	3.12	6.61
7105	1.72	0.81	0.00	0.05	0.00	0.00	1.92	4.50	2.15	0.83	0.00	0.05	0.00	0.00	2.70	5.73
7110	0.50	0.23	0.00	0.11	0.00	0.00	0.56	1.40	0.62	0.24	0.00	0.11	0.00	0.00	0.78	1.75
7115	14.52	9.05	15.17	3.79	0.00	0.00	19.74	62.27	17.42	9.18	19.98	4.99	0.00	0.00	26.32	77.89
7120	1.98	0.93	0.00	0.05	0.00	0.00	2.21	5.17	2.47	0.95	0.00	0.05	0.00	0.00	3.11	6.58
7125	2.17	1.02	0.00	0.05	0.00	0.00	2.42	5.66	2.71	1.04	0.00	0.05	0.00	0.00	3.41	7.21
7130	1.92	0.91	0.00	0.05	0.00	0.00	2.15	5.03	2.41	0.93	0.00	0.05	0.00	0.00	3.02	6.41
7135	0.08	0.04	0.00	0.05	0.00	0.00	0.09	0.26	0.10	0.04	0.00	0.05	0.00	0.00	0.32	0.32
7140	0.46	0.22	0.00	0.10	0.00	0.00	0.51	1.29	0.57	0.22	0.00	0.10	0.00	0.00	0.72	1.61
7150	9.36	5.21	7.98	2.23	2.85	0.43	8.23	36.29	11.70	5.32	10.50	2.94	5.97	0.89	11.15	48.47
7155	13.98	8.04	11.78	3.30	6.26	0.94	12.43	56.73	17.48	8.22	15.50	4.34	13.12	1.97	16.83	77.46
7165	15.15	8.75	10.41	2.92	7.06	1.06	13.48	58.83	18.94	8.94	13.70	3.84	14.80	2.22	18.26	80.70
7170	24.59	14.26	17.97	5.03	8.47	1.27	21.90	93.49	30.73	14.57	23.65	6.62	17.76	2.66	29.66	125.65
7180	0.97	0.53	1.63	0.46	0.20	0.03	0.85	4.67	1.21	0.54	2.15	0.60	0.41	0.06	1.15	6.12
7185	1.09	0.59	1.90	0.53	0.18	0.03	0.95	5.27	1.37	0.60	2.50	0.70	0.37	0.06	1.29	6.89
7190	1.48	0.80	2.36	0.66	0.22	0.03	1.29	6.84	1.85	0.81	3.10	0.87	0.45	0.07	1.74	8.89
7200	0.19	0.11	0.69	0.22	0.03	0.00	0.30	1.54	0.24	0.12	0.91	0.29	0.04	0.01	0.41	2.02
7205	0.90	0.51	1.31	0.42	0.05	0.01	1.36	4.56	1.12	0.52	1.71	0.55	0.08	0.01	1.89	5.88
7210	1.04	0.58	2.16	0.69	0.04	0.01	1.56	6.08	1.30	0.59	2.82	0.90	0.06	0.01	2.17	7.85
7215	2.25	1.28	2.43	0.68	0.18	0.03	3.41	10.26	2.82	1.30	3.20	0.90	0.25	0.04	4.74	13.25
7220	4.81	2.77	3.99	1.12	0.58	0.09	7.31	20.67	6.01	2.82	5.25	1.47	0.82	0.12	10.15	26.64
7230	8.19	4.50	3.80	1.06	0.00	0.00	12.27	29.82	10.24	4.59	5.00	1.40	0.00	0.00	17.05	38.28
7235	11.82	6.49	6.65	1.86	0.00	0.00	17.72	44.54	14.78	6.63	8.75	2.45	0.00	0.00	24.61	57.22
7245	9.28	5.10	3.19	0.89	0.00	0.00	13.90	32.36	11.60	5.20	4.20	1.18	0.00	0.00	19.31	41.49
7250	16.13	8.86	6.65	1.86	0.00	0.00	24.16	57.66	20.16	9.04	8.75	2.45	0.00	0.00	33.56	73.96
7265	0.57	0.25	2.76	0.88	0.11	0.02	0.59	5.18	0.76	0.26	3.67	1.18	0.14	0.02	0.90	6.93
7270	0.71	0.32	2.76	0.88	0.13	0.02	0.74	5.56	0.95	0.33	3.67	1.18	0.18	0.03	1.13	7.47
7275	0.59	0.27	2.76	0.88	0.19	0.03	0.62	5.34	0.79	0.28	3.67	1.18	0.24	0.04	0.94	7.14
7280	0.72	0.33	2.76	0.88	0.23	0.04	0.75	5.71	0.96	0.34	3.67	1.18	0.31	0.05	1.14	7.65
7285	0.65	0.31	2.76	0.88	0.32	0.05	0.69	5.66	0.87	0.32	3.67	1.18	0.40	0.06	1.05	7.55
7290	1.19	0.56	6.31	2.02	0.40	0.06	1.08	11.62	1.59	0.58	8.11	2.59	0.51	0.08	1.68	15.14
7295	1.69	0.77	3.66	1.03	0.40	0.06	1.52	9.13	2.26	0.80	4.76	1.33	0.51	0.08	2.36	12.10
7300	1.40	0.65	7.25	2.32	0.40	0.06	1.26	13.34	1.87	0.67	9.32	2.98	0.51	0.08	1.96	17.39
7305	1.93	0.87	3.66	1.03	0.40	0.06	1.72	9.67	2.57	0.90	4.76	1.33	0.51	0.08	2.68	12.83
7310	1.56	0.73	7.25	2.32	0.49	0.07	1.41	13.83	2.09	0.75	9.32	2.98	0.62	0.09	2.19	18.04

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRES WEAR	TIRES RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRES WEAR	TIRES RPR	REPR	
7315	1.94	0.93	3.66	1.03	0.84	0.13	1.76	10.29	2.59	0.96	4.76	1.33	1.07	0.16	2.74	13.61
7320	2.37	1.11	13.57	4.34	0.85	0.13	2.14	24.51	3.16	1.15	17.48	5.59	1.10	0.16	3.33	31.97
7325	3.30	1.53	5.93	1.66	1.02	0.15	2.97	16.56	4.40	1.58	7.71	2.16	1.31	0.20	4.62	21.98
7330	3.42	1.60	5.93	1.66	1.14	0.17	3.09	17.01	4.56	1.66	7.71	2.16	1.46	0.22	4.80	22.57
7335	3.21	1.51	5.93	1.66	1.14	0.17	2.91	16.53	4.29	1.57	7.71	2.16	1.46	0.22	4.52	21.93
7340	3.81	1.77	5.93	1.66	1.14	0.17	3.43	17.91	5.08	1.83	7.71	2.16	1.46	0.22	5.33	23.79
7345	4.89	2.32	8.10	2.27	1.99	0.30	4.43	24.30	6.52	2.40	10.53	2.95	2.58	0.39	6.90	32.27
7350	5.19	2.47	8.10	2.27	2.09	0.31	4.71	25.14	6.92	2.55	10.53	2.95	2.69	0.40	7.32	33.36
7355	4.89	2.34	8.10	2.27	2.09	0.31	4.44	24.44	6.52	2.42	10.53	2.95	2.69	0.40	6.91	32.42
7360	4.86	2.30	9.70	2.71	1.91	0.29	4.40	26.17	6.48	2.38	12.60	3.53	2.46	0.37	6.85	34.67
7370	0.60	0.27	2.90	0.93	0.15	0.02	0.63	5.50	0.80	0.28	3.86	1.24	0.18	0.03	0.95	7.34
7375	0.75	0.34	2.90	0.93	0.15	0.02	0.78	5.87	1.00	0.35	3.86	1.24	0.18	0.03	1.19	7.85
7380	0.85	0.38	2.90	0.93	0.15	0.02	0.88	6.11	1.14	0.39	3.86	1.24	0.20	0.03	1.35	8.21
7385	0.71	0.32	2.90	0.93	0.16	0.02	0.74	5.78	0.95	0.33	3.86	1.24	0.19	0.03	1.12	7.72
7390	0.82	0.36	2.90	0.93	0.18	0.03	0.85	6.07	1.09	0.38	3.86	1.24	0.24	0.04	1.29	8.14
7395	0.66	0.30	2.81	0.90	0.18	0.03	0.69	5.57	0.88	0.31	3.74	1.20	0.22	0.03	1.05	7.43
7400	1.02	0.47	6.59	2.11	0.29	0.04	0.92	11.44	1.36	0.49	8.48	2.71	0.36	0.05	1.43	14.88
7405	1.13	0.53	6.59	2.11	0.40	0.06	1.02	11.84	1.50	0.55	8.48	2.71	0.51	0.08	1.59	15.42
7410	1.60	0.73	3.73	1.04	0.40	0.06	1.44	9.00	2.14	0.76	4.85	1.36	0.51	0.08	2.24	11.94
7415	1.22	0.58	7.33	2.35	0.49	0.07	1.11	13.15	1.63	0.60	9.42	3.02	0.62	0.09	1.72	17.10
7420	2.17	1.00	4.18	1.17	0.63	0.09	1.95	11.19	2.89	1.04	5.44	1.52	0.80	0.12	3.03	14.84
7425	2.24	1.09	11.86	3.80	1.10	0.17	2.05	22.31	2.99	1.13	15.29	4.89	1.42	0.21	3.18	29.11
7430	2.67	1.27	6.95	1.95	1.10	0.17	2.42	16.53	3.56	1.32	9.03	2.53	1.42	0.21	3.77	21.84
7435	3.02	1.44	7.97	2.23	1.21	0.18	2.74	18.79	4.03	1.49	10.36	2.90	1.54	0.23	4.27	24.82
7440	3.22	1.50	7.12	1.99	1.10	0.17	2.90	18.00	4.29	1.56	9.25	2.59	1.42	0.21	4.52	23.84
7445	3.53	1.66	5.20	1.46	1.20	0.18	3.19	16.42	4.71	1.71	6.76	1.89	1.51	0.23	4.96	21.77
7450	4.52	2.06	11.36	3.18	1.10	0.17	4.05	26.44	6.03	2.13	14.76	4.13	1.42	0.21	6.30	34.98
7455	5.30	2.41	10.41	2.91	1.23	0.18	4.74	27.18	7.07	2.49	13.53	3.79	1.58	0.24	7.38	36.08
7460	4.80	2.18	10.41	2.91	1.10	0.17	4.29	25.86	6.40	2.25	13.53	3.79	1.42	0.21	6.68	34.28
7470	0.66	0.29	1.70	0.54	0.15	0.02	0.69	4.05	0.88	0.30	2.27	0.73	0.20	0.03	1.04	5.45
7475	0.96	0.45	6.02	1.93	0.29	0.04	0.87	10.56	1.28	0.46	7.74	2.48	0.36	0.05	1.35	13.72
7480	1.00	0.46	6.02	1.93	0.29	0.04	0.90	10.64	1.33	0.48	7.74	2.48	0.36	0.05	1.40	13.84
7485	1.43	0.64	3.73	1.04	0.29	0.04	1.28	8.45	1.90	0.67	4.85	1.36	0.36	0.05	1.98	11.17
7490	1.07	0.49	7.74	2.48	0.29	0.04	0.96	13.07	1.42	0.51	9.95	3.18	0.36	0.05	1.49	16.96
7495	1.61	0.74	4.07	1.14	0.40	0.06	1.44	9.46	2.15	0.76	5.29	1.48	0.51	0.08	2.25	12.52
7500	1.23	0.57	7.78	2.49	0.40	0.06	1.11	13.64	1.64	0.59	10.00	3.20	0.51	0.08	1.72	17.74
7505	2.12	0.95	4.75	1.33	0.40	0.06	1.89	11.50	2.82	0.99	6.17	1.73	0.51	0.08	2.94	15.24
7510	3.40	1.58	7.12	1.99	1.10	0.17	3.06	18.42	4.53	1.64	9.25	2.59	1.42	0.21	4.76	24.40
7515	4.13	1.89	7.80	2.18	1.10	0.17	3.71	20.98	5.51	1.96	10.14	2.84	1.42	0.21	5.77	27.85
7520	4.37	1.99	9.83	2.75	1.10	0.17	3.91	24.12	5.82	2.06	12.78	3.58	1.42	0.21	6.09	31.96
7525	4.21	1.93	7.63	2.14	1.10	0.17	3.78	20.96	5.62	2.00	9.92	2.78	1.42	0.21	5.88	27.83
7530	4.55	2.07	9.83	2.75	1.10	0.17	4.07	24.54	6.07	2.14	12.78	3.58	1.42	0.21	6.34	32.54
7540	5.66	2.55	9.83	2.75	1.17	0.18	5.05	27.19	7.54	2.64	12.78	3.58	1.51	0.23	7.86	36.14
7545	5.77	2.60	9.83	2.75	1.17	0.18	5.15	27.45	7.69	2.69	12.78	3.58	1.51	0.23	8.01	36.49
7550	6.40	2.86	9.83	2.75	1.17	0.18	5.70	28.89	8.53	2.97	12.78	3.58	1.51	0.23	8.87	38.47
7560	5.38	2.46	8.47	2.37	1.35	0.20	4.82	25.05	7.17	2.55	11.02	3.08	1.73	0.26	7.50	33.31
7565	6.03	2.71	11.86	3.32	1.17	0.18	5.38	30.55	8.04	2.80	15.42	4.32	1.51	0.23	8.37	40.69
7570	6.54	2.93	11.86	3.32	1.17	0.18	5.83	31.83	8.72	3.03	15.42	4.32	1.51	0.23	9.06	42.29
7575	6.81	3.04	11.86	3.32	1.17	0.18	6.06	32.44	9.09	3.15	15.42	4.32	1.51	0.23	9.43	43.15
7580	9.30	4.10	11.86	3.32	1.17	0.18	8.24	38.17	12.40	4.24	15.42	4.32	1.51	0.23	12.82	50.94
7590	2.12	0.80	0.00	0.09	0.00	0.00	1.97	4.98								
7595	2.58	0.98	0.00	0.09	0.00	0.00	2.39	6.04								
7600	4.00	1.51	0.00	0.09	0.00	0.00	3.70	9.30								
7605	4.99	1.89	0.00	0.09	0.00	0.00	4.62	11.59								
7610	5.69	2.15	0.00	0.09	0.00	0.00	5.27	13.20								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7620	0.54	0.20	0.00	0.08	0.00	0.00	0.50	1.32	0.72	0.21	0.00	0.08	0.00	0.00	0.76	1.77
7625	0.85	0.32	0.00	0.08	0.00	0.00	0.79	2.04	1.13	0.33	0.00	0.08	0.00	0.00	1.20	2.74
7630	0.86	0.33	0.00	0.08	0.00	0.00	0.80	2.07	1.14	0.34	0.00	0.08	0.00	0.00	1.21	2.77
7635	0.87	0.33	0.00	0.08	0.00	0.00	0.81	2.09	1.16	0.34	0.00	0.08	0.00	0.00	1.23	2.81
7645	0.17	0.07	0.00	0.00	0.00	0.00	0.16	0.40								
7650	0.18	0.07	0.00	0.00	0.00	0.00	0.17	0.42								
7655	0.19	0.07	0.00	0.00	0.00	0.00	0.18	0.44								
7660	0.23	0.09	0.00	0.00	0.00	0.00	0.21	0.53								
7665	0.25	0.10	0.00	0.00	0.00	0.00	0.23	0.58								
7670	0.24	0.09	0.00	0.00	0.00	0.00	0.22	0.55								
7675	0.07	0.03	0.00	0.00	0.00	0.00	0.06	0.16								
7685	0.19	0.07	0.00	0.08	0.00	0.00	0.17	0.51								
7690	0.24	0.09	0.00	0.08	0.00	0.00	0.22	0.63								
7695	0.66	0.25	0.00	0.08	0.00	0.00	0.61	1.60								
7700	0.73	0.28	0.00	0.08	0.00	0.00	0.68	1.77								
7710	2.33	0.88	0.00	0.12	0.00	0.00	2.16	5.49								
7715	2.37	0.90	0.00	0.12	0.00	0.00	2.20	5.59								
7720	2.39	0.91	0.00	0.12	0.00	0.00	2.22	5.64								
7725	2.43	0.92	0.00	0.12	0.00	0.00	2.25	5.72								
7735	1.04	0.39	0.00	0.00	0.00	0.00	0.96	2.39								
7740	1.09	0.41	0.00	0.00	0.00	0.00	1.01	2.51								
7745	1.16	0.44	0.00	0.00	0.00	0.00	1.08	2.68								
7755	1.83	0.94	0.00	0.08	0.54	0.08	1.49	4.96	2.28	0.96	0.00	0.08	0.65	0.10	2.17	6.24
7760	2.12	1.08	0.00	0.08	0.58	0.09	1.72	5.67	2.65	1.11	0.00	0.08	0.70	0.11	2.51	7.16
7765	2.09	1.07	0.00	0.08	0.58	0.09	1.70	5.61	2.62	1.10	0.00	0.08	0.70	0.11	2.48	7.09
7770	2.68	1.35	0.00	0.08	0.67	0.10	2.17	7.05	3.35	1.39	0.00	0.08	0.81	0.12	3.17	8.92
7775	2.65	1.42	0.00	0.08	1.11	0.17	2.18	7.61	3.31	1.45	0.00	0.08	1.33	0.20	3.18	9.55
7780	5.81	3.01	0.00	0.08	1.85	0.28	4.74	15.77	7.26	3.08	0.00	0.08	2.23	0.33	6.91	19.89
7785	6.07	3.35	0.00	0.08	3.08	0.46	5.03	18.07	7.59	3.43	0.00	0.08	3.71	0.56	7.34	22.71
7795	2.21	1.12	0.00	0.08	0.54	0.08	1.79	5.82	2.76	1.14	0.00	0.08	0.65	0.10	2.61	7.34
7805	1.02	0.77	0.00	0.08	0.44	0.07	0.92	3.30								
7810	1.16	0.88	0.00	0.08	0.49	0.07	1.04	3.72								
7815	1.43	1.06	0.00	0.08	0.54	0.08	1.28	4.47								
7820	1.42	1.08	0.00	0.12	0.66	0.10	1.28	4.66								
7825	1.48	1.14	0.00	0.12	0.74	0.11	1.34	4.93								
7830	1.61	1.25	0.00	0.12	0.82	0.12	1.46	5.38								
7835	1.53	1.38	0.00	0.12	1.54	0.23	1.49	6.29								
7840	2.22	1.82	0.00	0.12	1.54	0.23	2.07	8.00								
7845	2.28	1.86	0.00	0.12	1.54	0.23	2.11	8.14								
7850	2.95	2.18	0.00	0.16	1.09	0.16	2.62	9.16								
7855	3.00	2.41	0.00	0.16	1.88	0.28	2.76	10.49								
7860	3.30	2.65	0.00	0.16	2.06	0.31	3.04	11.52								
7865	3.86	3.01	0.00	0.16	2.02	0.30	3.51	12.86								
7870	0.76	0.63	0.00	0.08	0.54	0.08	0.71	2.80								
7880	0.70	0.59	0.00	0.08	0.54	0.08	0.66	2.65								
7890	0.92	0.73	0.00	0.10	0.54	0.08	0.84	3.21								
7895	0.93	0.74	0.00	0.10	0.54	0.08	0.85	3.24								
7905	0.46	0.38	0.00	0.09	0.34	0.05	0.43	1.75								
7910	0.47	0.39	0.00	0.09	0.34	0.05	0.44	1.78								
7915	0.51	0.44	0.00	0.09	0.46	0.07	0.49	2.06								
7925	1.73	0.99	2.39	0.67	0.21	0.03	1.16	7.18								
7930	1.74	1.05	2.39	0.67	0.42	0.06	1.18	7.51								
7935	1.82	1.10	2.39	0.67	0.42	0.06	1.23	7.69								
7945	15.87	9.41	10.80	3.56	6.59	0.99	12.97	60.19	19.04	9.56	13.95	4.60	10.98	1.65	18.15	77.93
7950	22.13	13.21	15.60	5.15	10.04	1.51	18.12	85.76	26.55	13.43	20.15	6.65	16.74	2.51	25.36	111.39

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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	
7955	29.84	18.39	20.88	6.89	13.42	2.01	24.62	116.05	35.80	18.70	26.97	8.90	22.37	3.36	34.46	150.56
7960	13.83	8.29	10.80	3.56	6.59	0.99	11.33	55.39	16.59	8.43	13.95	4.60	10.98	1.65	15.86	72.06
7965	20.17	12.43	15.60	5.15	12.66	1.90	16.64	84.55	24.20	12.63	20.15	6.65	21.10	3.17	23.30	111.20
7975	10.76	6.75	5.64	1.86	6.33	0.95	8.92	41.21	12.92	6.86	7.28	2.40	10.18	1.53	12.49	53.66
7980	12.85	7.62	6.12	2.02	4.32	0.65	10.50	44.08	15.42	7.74	7.90	2.61	6.94	1.04	14.70	56.35
7985	12.94	7.96	6.12	2.02	6.44	0.97	10.67	47.12	15.53	8.09	7.90	2.61	10.35	1.55	14.94	60.97
7990	21.89	13.32	10.80	3.56	9.88	1.48	18.00	78.93	26.26	13.54	13.95	4.60	15.89	2.38	25.20	101.82
8000	9.78	5.84	5.14	1.69	3.15	0.47	8.01	34.08	11.73	5.93	6.63	2.19	5.25	0.79	11.21	43.73
8005	15.09	8.92	10.32	3.41	5.96	0.89	12.33	56.92	18.11	9.06	13.33	4.40	9.94	1.49	17.26	73.59
8010	19.83	11.96	13.82	4.56	10.04	1.51	16.28	78.00	23.80	12.15	17.86	5.89	16.74	2.51	22.79	101.74
8015	25.83	15.99	15.50	5.12	12.03	1.80	21.33	97.60	30.99	16.25	20.03	6.61	20.06	3.01	29.86	126.81
8020	26.17	16.38	17.90	5.91	13.42	2.01	21.67	103.46	31.40	16.65	23.13	7.63	22.37	3.36	30.34	134.88
8030	21.04	12.39	13.92	4.59	9.13	1.37	17.17	79.61	25.24	12.59	17.98	5.93	15.66	2.35	24.03	103.78
8040	8.16	5.08	5.16	1.70	5.62	0.84	6.75	33.31	9.79	5.16	6.66	2.20	9.37	1.41	9.45	44.04
8045	12.28	7.35	7.70	2.54	5.68	0.85	10.06	46.46	14.74	7.47	9.95	3.28	9.46	1.42	14.08	60.40
8050	15.11	9.32	11.83	3.90	9.56	1.43	12.47	63.62	18.13	9.47	15.28	5.04	15.93	2.39	17.46	83.70
8055	20.48	12.60	14.98	4.94	12.66	1.90	16.89	84.45	24.57	12.80	19.34	6.38	21.10	3.17	23.64	111.00
8060	27.75	17.25	20.16	6.65	13.42	2.01	22.95	110.19	33.30	17.54	26.04	8.59	22.37	3.36	32.12	143.32
8070	15.89	9.42	10.08	3.33	6.59	0.99	12.99	59.29	19.07	9.58	13.02	4.30	10.98	1.65	18.19	76.79
8075	21.97	13.13	13.82	4.56	10.04	1.51	17.99	83.02	26.37	13.35	17.86	5.89	16.74	2.51	25.19	107.91
8080	23.82	14.42	13.82	4.56	12.66	1.90	19.57	90.75	28.58	14.66	17.86	5.89	21.10	3.17	27.39	118.65
8085	26.44	15.95	15.96	5.27	13.44	2.02	21.70	100.78	31.73	16.21	20.61	6.80	22.40	3.36	30.38	131.49
8090	30.10	18.54	19.63	6.48	13.42	2.01	24.83	115.01	36.12	18.84	25.36	8.37	22.37	3.36	34.76	149.18
8100	5.33	4.69	5.70	1.60	2.25	0.34	5.75	25.66	6.39	4.74	7.50	2.10	3.03	0.46	7.48	31.70
8105	9.41	8.42	12.54	3.51	4.53	0.68	10.24	49.33	11.29	8.52	16.50	4.62	6.10	0.91	13.31	61.25
8110	12.84	11.62	17.10	4.79	6.73	1.01	14.04	68.13	15.41	11.76	22.50	6.30	9.07	1.36	18.25	84.65
8115	13.21	11.91	17.10	4.79	6.73	1.01	14.42	69.17	15.85	12.05	22.50	6.30	9.07	1.36	18.74	85.87
8120	15.29	13.91	20.90	5.85	8.28	1.24	16.75	82.22	18.35	14.07	27.50	7.70	11.15	1.67	21.78	102.22
8125	15.59	14.14	20.90	5.85	8.28	1.24	17.06	83.06	18.71	14.30	27.50	7.70	11.15	1.67	22.17	103.20
8135	9.66	8.61	12.54	3.51	4.53	0.68	10.49	50.02	11.59	8.71	16.50	4.62	6.10	0.91	13.64	62.07
8140	13.12	11.84	17.10	4.79	6.73	1.01	14.32	68.91	15.74	11.97	22.50	6.30	9.07	1.36	18.62	85.56
8145	13.34	12.01	17.10	4.79	6.73	1.01	14.55	69.53	16.01	12.15	22.50	6.30	9.07	1.36	18.91	86.30
8150	15.91	14.38	20.90	5.85	8.28	1.24	17.38	83.94	19.09	14.55	27.50	7.70	11.15	1.67	22.60	104.26
8155	16.08	14.52	20.90	5.85	8.28	1.24	17.56	84.43	19.30	14.69	27.50	7.70	11.15	1.67	22.83	104.84
8165	13.52	7.36	12.54	3.51	6.08	0.91	10.29	54.21	16.22	7.49	16.50	4.62	10.19	1.53	14.41	70.96
8170	20.16	11.21	17.10	4.79	10.37	1.56	15.41	80.60	24.19	11.42	22.50	6.30	16.90	2.53	21.58	105.42
8175	30.31	17.36	24.70	6.92	21.54	3.23	23.30	127.36	36.37	17.68	32.50	9.10	36.20	5.43	32.62	169.90
8185	13.03	7.09	10.53	2.95	5.76	0.86	9.92	50.14	15.63	7.21	13.85	3.88	9.57	1.44	13.88	65.46
8190	23.77	12.49	16.07	4.50	5.13	0.77	17.98	80.71	28.52	12.72	21.15	5.92	8.38	1.26	25.18	103.13
8200	14.25	7.74	12.54	3.51	6.26	0.94	10.85	56.09	17.10	7.88	16.50	4.62	10.45	1.57	15.19	73.31
8205	20.60	11.01	17.10	4.79	7.57	1.13	15.64	77.84	24.73	11.21	22.50	6.30	12.67	1.90	21.89	101.20
8215	3.84	1.15	5.10	1.43	0.06	0.01	5.62	17.21								
8220	5.85	1.74	8.96	2.51	0.06	0.01	8.53	27.66								
8230	0.89	0.49	0.00	0.01	0.00	0.00	0.59	1.98								
8235	1.04	0.57	0.00	0.01	0.00	0.00	0.69	2.31								
8240	1.21	0.66	0.00	0.01	0.00	0.00	0.80	2.68								
8250	1.55	0.89	0.62	0.16	0.18	0.03	1.04	4.47								
8255	1.76	1.00	0.62	0.16	0.18	0.03	1.18	4.93								
8260	1.96	1.11	0.62	0.16	0.18	0.03	1.31	5.37								
8270	0.16	0.07	0.90	0.27	0.00	0.00	0.10	1.50								
8275	0.20	0.09	1.12	0.34	0.00	0.00	0.12	1.87								
8285	0.24	0.10	1.33	0.32	0.03	0.01	0.27	2.30								
8290	0.50	0.19	6.16	1.48	0.02	0.00	0.55	8.90								
8295	0.51	0.19	6.16	1.48	0.02	0.00	0.56	8.92								
8300	0.60	0.23	6.54	1.57	0.02	0.00	0.66	9.62								

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
8305	0.75	0.29	8.06	1.93	0.04	0.01	0.83	11.91							
8315	0.67	0.25	1.79	0.43	0.02	0.00	0.73	3.89							
8320	0.67	0.25	1.79	0.43	0.02	0.00	0.73	3.89							
8325	0.84	0.32	2.96	0.71	0.04	0.01	0.92	5.80							
8330	0.81	0.31	3.01	0.72	0.04	0.01	0.89	5.79							
8340	0.22	0.10	0.45	0.13	0.00	0.00	0.13	1.03							
8345	0.23	0.11	0.90	0.27	0.00	0.00	0.14	1.65							
8355	0.14	0.06	0.85	0.26	0.00	0.00	0.08	1.39							
8360	0.15	0.07	1.08	0.32	0.00	0.00	0.09	1.71							
8365	0.19	0.09	1.35	0.40	0.00	0.00	0.12	2.15							
8370	0.31	0.15	1.89	0.57	0.00	0.00	0.19	3.11							
8380	0.07	0.03	0.85	0.26	0.00	0.00	0.04	1.25							
8385	0.12	0.06	1.08	0.32	0.00	0.00	0.07	1.65							

APPENDIX A

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APPENDIX A

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APPENDIX B

AREA FACTORS

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

State Sales Tax Rate:	4.0 %
Working Hours Per Year:	1,700 Hrs/Yr
Labor Adjustment Factor (LAF):	0.920
Electricity Cost Per Kilowatt-Hour:	\$ 0.075 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.170 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 1.000 /GAL.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.130 /Gal.
Freight Rates:	0 thru 30,000 lbs. \$ 6.180 /Cwt. over 30,000 thru 40,000 lbs. \$ 5.650 /Cwt. over 40,000 thru 50,000 lbs. \$ 4.640 /Cwt. over 50,000 thru 60,000 lbs. \$ 3.870 /Cwt. over 60,000 thru 9999,900 lbs. \$ 3.760 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

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

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

APPENDIX D
EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

TABLE LEGEND

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

TABLE LEGEND

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
15	AGGREGATE SPREADERS	A	10	20	50 .000	.051	.030		0 .000	.000	.000		0	24	24	97	69	99	70
30	AIR COMPRESSORS	A	10	25	65 .000	.066	.038		0 .000	.000	.000		0	32	28	0	0	90	70
45	AIR TOOLS, SANDBLASTERS, ETC	A	4	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	90	150
60	ASPHALT DISTRIBUTORS	A	10	30	65 .000	.066	.038		0 .000	.000	.000		0	32	28	71	57	79	85
65	ASPHALT AND CONCRETE PAVERS	A	10	25	65 .000	.066	.038		0 .000	.000	.000		0	32	28	83	66	92	90
70	ASPHALT KETTLES AND RECYCLERS	A	8	25	65 .000	.066	.038		0 .000	.000	.000		0	32	28	76	60	84	80
	BACKHOE (SEE KEY NO. 570-601)																		
75	BROOMS	A	10	25	65 .000	.066	.000		0 .000	.000	.000		0	24	0	81	65	90	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	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
90		S	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
95	BUCKETS, CONCRETE	A	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
105	CONCRETE OR GROUT PUMP	A	8	20	95 .000	.097	.056		0 .000	.000	.000		0	32	28	81	65	90	90
120	CONCRETE CUNITE EQUIPMENT & FLUID GROUTERS	A	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	90	80
125	CONCRETE FINISHERS & BUGGIES	A	10	20	70 .700	.071	.041		0 .000	.060	.000		50	32	28	0	0	0	80
135	CONCRETE VIBRATORS	A	4	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	250
140	COMPACTORS, MANUALLY OPERATED	A	6	20	90 .000	.091	.053		0 .000	.000	.000		0	24	24	0	0	0	100
	CRANE, CRAWLER TYPE																		
150	0 THRU 25 TON	A	13	25	40 .000	.041	.024		0 .000	.000	.000		0	18	18	0	0	0	50
150		S	11	25	52 .000	.053	.031		0 .000	.000	.000		0	18	18	0	0	0	55
165	OVER 25 TON THRU 50 TON	A	15	25	40 .000	.041	.024		0 .000	.000	.000		0	18	18	0	0	0	60
165		S	13	25	52 .000	.053	.031		0 .000	.000	.000		0	18	18	0	0	0	65
170	OVER 50 TON THRU 150 TON	A	18	25	40 .000	.041	.024		0 .000	.000	.000		0	18	18	0	0	0	70
170		S	16	25	52 .000	.053	.031		0 .000	.000	.000		0	18	18	0	0	0	75
180	OVER 150 TON	A	20	25	40 .000	.041	.024		0 .000	.000	.000		0	18	18	0	0	0	80
180		S	18	25	52 .000	.053	.031		0 .000	.000	.000		0	18	18	0	0	0	85
	DRAGLINE & CLAMSHELL,CRAWLER																		
185	0 THRU 1 CY	A	12	20	50 .000	.051	.030		0 .000	.000	.000		0	18	18	0	0	0	70
185		S	10	20	65 .000	.066	.038		0 .000	.000	.000		0	18	18	0	0	0	80
190	OVER 1 CY THRU 2-1/2 CY	A	15	20	50 .000	.051	.030		0 .000	.000	.000		0	18	18	0	0	0	80
190		S	13	20	65 .000	.066	.038		0 .000	.000	.000		0	18	18	0	0	0	90
195	OVER 2-1/2 CY THRU 5 CY	A	18	20	50 .000	.051	.030		0 .000	.000	.000		0	18	18	0	0	0	90
195		S	16	20	65 .000	.066	.038		0 .000	.000	.000		0	18	18	0	0	0	100
196	OVER 5 CY	A	20	25	50 .000	.051	.030		0 .000	.000	.000		0	18	18	0	0	0	100

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	A	10	30	65 .000	.066	.038		0 .000	.000	.000		0	32	28	72	50	0	80
475		S	8	30	85 .000	.036	.050		0 .000	.000	.000		0	32	28	57	35	0	85
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	A	6	35	65 .000	.066	.038		0 .000	.000	.000		0	32	28	0	0	0	90
485	PIPELAYERS	A	12	30	35 .000	.000	.021		0 .000	.000	.000		0	0	32	0	0	0	75
485		S	10	30	45 .000	.000	.027		0 .000	.000	.000		0	0	32	0	0	0	85
	PUMP, GROUT (SEE KEY NO. 105)																		
495	PUMP, WATER, ENGINE DRIVE	A	10	20	90 .000	.091	.053		0 .000	.000	.000		0	32	38	0	0	0	80
500	PUMP, WATER, ELECTRIC DRIVE	A	10	20	90 .900	.000	.000		0 .000	.000	.000		45	0	0	0	0	0	40
510	RIPPERS	A	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
510		S	6	20	0 .200	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	90
525	ROLLERS, EXCEPT VIB. ROLLERS	A	14	40	65 .000	.066	.038		65 .000	.066	.038		0	24	24	76	60	84	80
530	ROLLERS, VIBRATORY	A	8	25	90 .000	.091	.053		90 .000	.091	.053		0	24	24	76	60	84	100
540	SCRAPERS, STANDARD	A	10	20	60 .000	.046	.035		60 .000	.000	.035		0	0	27	59	33	65	60
540		S	8	20	78 .000	.000	.046		78 .000	.000	.046		0	0	27	39	19	43	65
542	SCRAPERS, TANDEM POWERED	A	10	20	62 .000	.000	.037		62 .000	.000	.037		0	0	25	59	33	65	65
542		S	8	20	61 .000	.000	.038		61 .000	.000	.048		0	0	25	39	19	43	70
	SCRAPERS, ELEVATING																		
545	0 THRU 200 HP	A	10	25	56 .000	.000	.039		65 .000	.000	.039		0	0	34	59	33	65	75
545		S	8	25	85 .000	.000	.051		86 .000	.000	.051		0	0	34	39	19	43	80
550	OVER 200 HP	A	10	25	66 .000	.000	.039		66 .000	.000	.039		0	0	24	59	33	65	65
550		S	8	25	55 .000	.000	.041		86 .000	.000	.051		0	0	24	39	19	43	70
555	SCRAPERS, TRACTOR DRAWN	A	12	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	65	0	72	70
555		S	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	50	0	55	75
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED																		
570	0 THRU 1 CY	A	11	20	60 .000	.067	.038		0 .000	.000	.000		0	18	18	0	0	0	70
570		S	9	20	78 .000	.073	.046		0 .000	.000	.000		0	18	18	0	0	0	80
585	OVER 1 CY THRU 2-1/2 CY	A	12	20	60 .000	.000	.053		0 .000	.000	.000		0	18	18	0	0	0	80
585		S	10	20	78 .000	.019	.062		0 .000	.000	.000		0	18	18	0	0	0	90
595	OVER 2-1/2 CY THRU 5 CY	A	11	20	60 .000	.000	.038		0 .000	.000	.000		0	18	18	0	0	0	90
595		S	9	20	55 .000	.000	.041		0 .000	.000	.000		0	18	18	0	0	0	100
600	OVER 5 CY	A	11	20	60 .000	.000	.038		0 .000	.000	.000		0	18	18	0	0	0	110
600		S	9	20	55 .000	.000	.041		0 .000	.000	.000		0	18	18	0	0	0	110
601	OVER 2-1/2 CY ELECTRIC	A	11	20	60 .000	.000	.038		0 .000	.000	.000		25	0	0	0	0	0	70
601		S	9	20	55 .000	.000	.041		0 .000	.000	.000		16	0	0	0	0	0	80

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C LFE SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
			HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
TRACTOR, CRAWLER TYPE																	
615	0 THRU 225 HP	A	10	30	70	.000 .000 .041	0	.000 .000 .000	0	0	32	0	0	0	0	110	
615		S	8	30	91	.000 .000 .054	0	.000 .000 .000	0	0	32	0	0	0	0	120	
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	A	12	25	70	.000 .000 .041	0	.000 .000 .000	0	0	25	0	0	0	0	90	
620		S	10	25	91	.000 .000 .054	0	.000 .000 .000	0	0	25	0	0	0	0	100	
625	OVER 425 HP	A	14	20	70	.000 .000 .041	0	.000 .000 .000	0	0	22	0	0	0	0	90	
625		S	12	20	91	.000 .000 .054	0	.000 .000 .000	0	0	22	0	0	0	0	100	
630	TRACTOR, BLADES, PUSH BLOCKS, 630 PUSH PLATES & CLEARING BLADES	A	10	20	0	.000 .000 .000	0	.000 .000 .000	0	0	0	0	0	0	0	80	
		S	8	20	0	.000 .000 .000	0	.000 .000 .000	0	0	0	0	0	0	0	90	
645	TRACTOR, WHEEL TYPE	A	10	25	65	.000 .066 .038	0	.000 .000 .000	0	24	28	73	44	0	0	60	
645		S	8	25	85	.000 .086 .050	0	.000 .000 .000	0	24	28	38	21	0	0	65	
650	TRENCHER	A	10	25	65	.000 .066 .038	0	.000 .000 .000	0	32	28	91	68	0	0	90	
650		S	8	25	85	.000 .086 .050	0	.000 .000 .000	0	32	28	77	48	0	0	100	
655	TRAILERS, BOTTOM DUMP AND 655 END DUMP	A	10	20	0	.000 .000 .000	0	.000 .000 .000	0	0	0	0	0	0	0	65	
		S	8	20	0	.000 .000 .000	0	.000 .000 .000	0	0	0	0	0	0	0	70	
660	TRAILERS, FLATBED, LO-BOY AND TILT	A	10	35	0	.000 .000 .000	0	.000 .000 .000	0	0	0	0	0	0	0	65	
																50	
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	0	70	
670		S	6	20	0	.000 .000 .000	0	.000 .000 .000	0	0	0	0	0	0	0	80	
675	ALL OTHER ACCESSORIES	A	8	20	65	.000 .066 .000	0	.000 .000 .000	0	32	0	0	0	0	0	70	
TRUCK, HIGHWAY																	
690	0 THRU 10,000 GVW	A	8	25	15	.000 .015 .009	0	.000 .000 .000	0	32	28	41	29	0	0	70	
690		S	6	25	20	.000 .020 .012	0	.000 .000 .000	0	32	28	36	22	0	0	80	
695	OVER 10,000 THRU 30,000 GVW	A	8	25	34	.000 .035 .020	0	.000 .000 .000	0	32	28	49	39	0	0	60	
695		S	6	25	44	.000 .045 .026	0	.000 .000 .000	0	32	28	42	30	0	0	70	
705	OVER 30,000 GVW	A	8	25	51	.000 .052 .030	0	.000 .000 .000	0	32	28	51	38	57	60		
705		S	6	25	66	.000 .067 .039	0	.000 .000 .000	0	32	28	43	29	48	70		
720	TRUCK, OFF-HIGHWAY	A	12	20	40	.000 .000 .024	0	.000 .000 .000	0	0	33	59	36	65	60		
720		S	10	20	52	.000 .000 .031	0	.000 .000 .000	0	0	33	39	21	43	70		
765	WAGON, BOTTOM & REAR DUMP	A	12	15	65	.000 .066 .038	0	.000 .000 .000	0	24	28	59	39	65	60		
765		S	10	15	85	.000 .086 .050	0	.000 .000 .000	0	24	28	39	22	43	70		
780	WAGON, WATER	A	12	35	65	.000 .066 .038	0	.000 .000 .000	0	24	28	73	55	81	60		
780		S	10	35	85	.000 .086 .050	0	.000 .000 .000	0	24	28	56	40	62	65		

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EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

CATEGORY	0	1	2	3	4	YEAR PURCHASE NEW			1975	1974	1973	1972	1971
						1978	1977	1976					
Air Equipment	1771	1675	1563	1630	1521	1354	1295	1186	1165	1028	935	920	929
Asphalt & Concrete Paving Equipment	2757	2636	2461	2296	2111	1941	1815	1686	1610	1451	1304	1263	1235
Buckets	4788	4548	4313	3879	3280	2963	2738	2520	2175	1838	1430	1370	1316
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3372	3219	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212
Drills	2940	2824	2602	2265	1993	1858	1699	1638	1559	1373	1249	1184	1160
Generators	3658	3448	3160	2817	2390	2301	2128	2053	1839	1456	1316	1283	1243
Graders, Motor	3767	3568	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208
Loaders, Track	3899	3660	3349	3061	2750	2482	2247	2053	1916	1573	1329	1281	1236
Loaders, Wheel	4004	3797	3441	2938	2606	2375	2156	2002	1907	1584	1362	1317	1261
Pile Driving Equipment	3584	3442	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218
Rollers	3533	3425	3199	2913	2653	2396	2139	1983	1872	1556	1328	1279	1230
Scrapers	3767	3568	3276	2992	2687	2492	2259	2109	1956	1604	1361	1244	1208
Shovels, Backhoes & Hydraulic Excavators	3372	3219	3009	2782	2512	2301	2138	2010	1843	1522	1305	1260	1212
Tractors, Crawler & Attachments	3899	3660	3349	3061	2750	2482	2247	2053	1916	1573	1329	1281	1236
Tractors, Wheel	3654	3536	3256	2927	2578	2319	2125	1956	1813	1498	1288	1251	1211
Trenchers	4508	4097	3618	3153	2772	2580	2300	1894	1633	1527	1384	1316	1284
Trucks, Highway	3001	2816	2638	2324	2108	1934	1775	1646	1524	1369	1230	1211	1185
Trucks & Wagons - Off Highway	3787	3667	3363	2964	2588	2364	2196	2081	1965	1568	1315	1293	1245
All Other Equipment	3584	3442	3208	2894	2562	2329	2135	1989	1852	1523	1307	1257	1218
All Tires & Tubes	2584	2555	2506	2369	2055	1792	1699	1615	1485	1334	1114	1092	1092

APPENDIX F

TIRE LIFE AND TIRE WEAR FACTORS

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

No.	Condition	Factor	
		Average	Severe
A	Maintenance	1.00	1.00
B	Speeds	0.80	0.85
C	Curves	1.00	0.90
D	Surface Condition	0.90	0.70
E	Loads	0.90	0.80
		0.648	0.426
F	Wheel Positions		
	Trailing (T-Tire)	1.00	1.00
	Front (F-Tire)	0.90	0.90
	Driver (D-Tire)		
	(Rear Dump)	0.70	0.70
	(Bottom Dump)	0.70	0.70
	(Self-Propelled Scrapers)	0.60	0.60
G	Grades		
	(Drive Tire Only)	0.85	0.75
<hr/>			
<u>FINAL TIRE WEAR FACTORS</u>			
	Trailing (T-Tire)	0.65	0.43
	Front (F-Tire)	0.58	0.39
	Driver (D-Tire)		
	(Rear Dump)	0.39	0.22
	(Bottom Dump)	0.39	0.22
	(Self-Propelled Scrapers)	0.33	0.19

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

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TABLE F-1. Maximum Tire Life.

Bias Ply Tires:

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

Radial Ply Tires:

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

APPENDIX G

EQUIPMENT EXTRAS

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

(1) Crane, Crawler-Mounted.

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

(2) Dragline and Clamshell, Crawler-Mounted.

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

(3) Backhoe and Shovel, Crawler-Mounted.

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

(4) Truck Crane Less than 25 Ton.

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

(5) Truck Crane 25 Ton and Larger.

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

(6) Excavators, Hydraulic.

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

(7) Grader.

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

(8) Belt Loader.

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

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

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

(10) Scraper.

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

(11) Tractor, Crawler.

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

(12) Tractor, Wheel Dozer.

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

(13) Trucks, Off-Highway.

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