

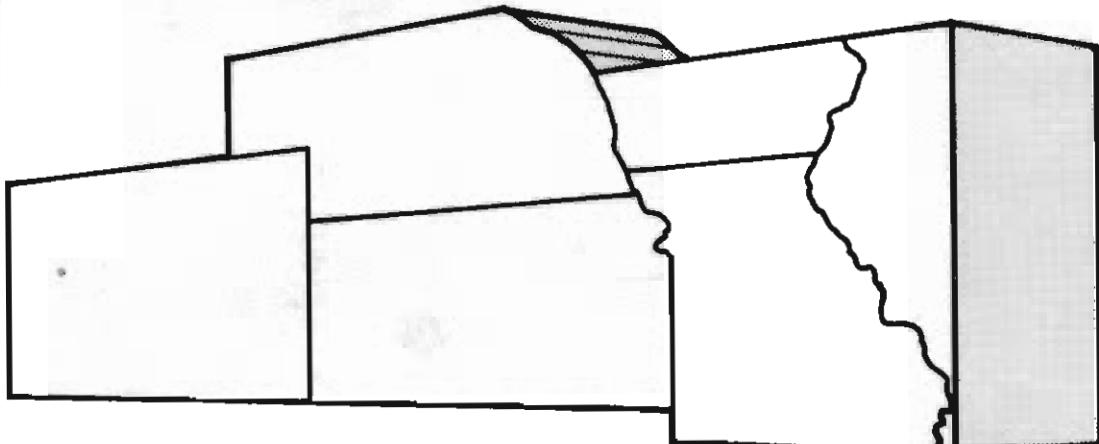


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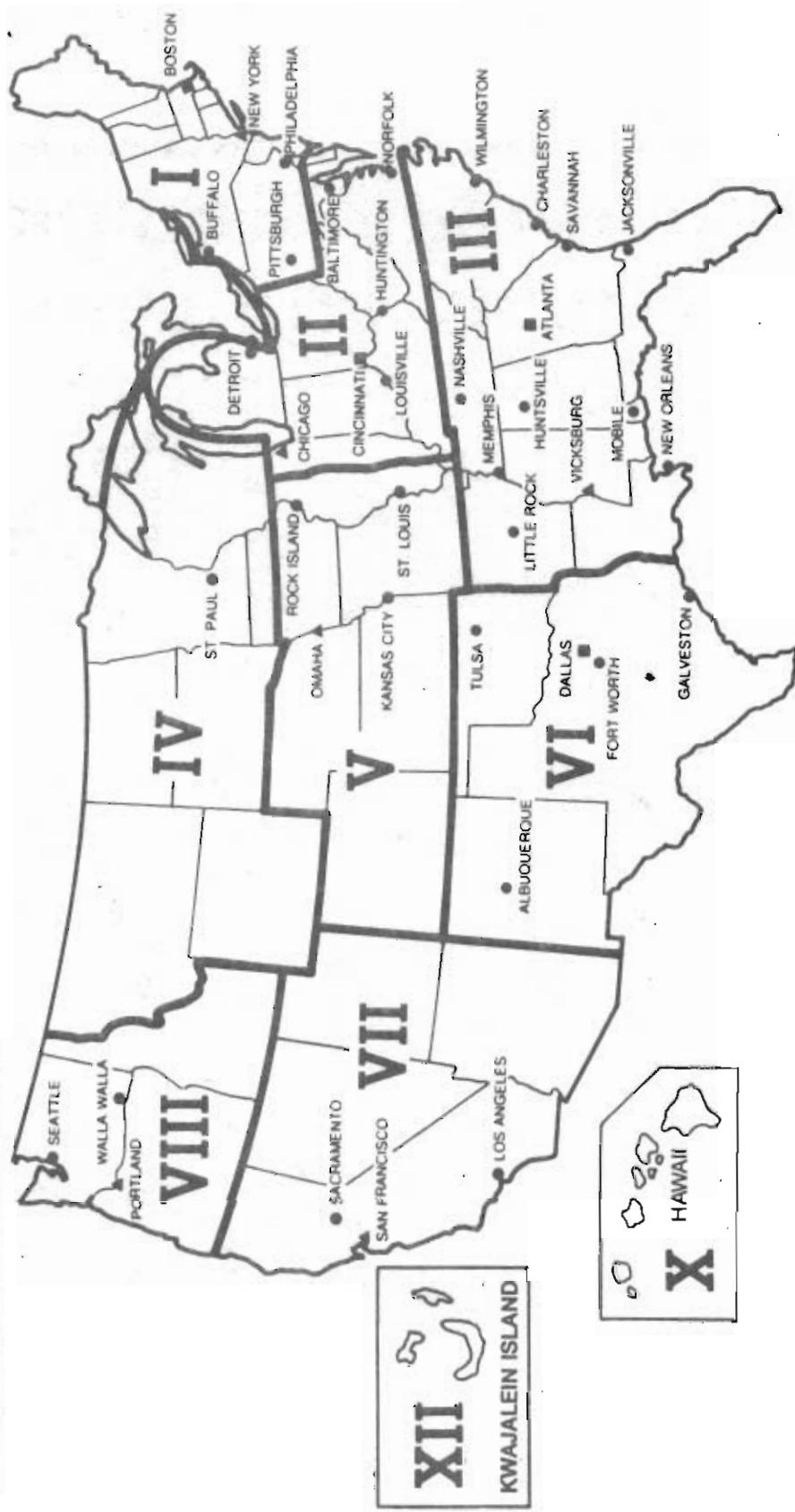
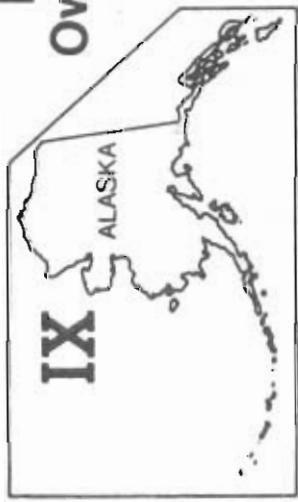
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EP 1110-1-8
Volume 5
June 1985

Construction Equipment Ownership and Operating Expense Schedule

Region V



Regions for the Construction Equipment Ownership and Operating Expense Schedule



DAEN-ECE-S

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

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1 June 1985

Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

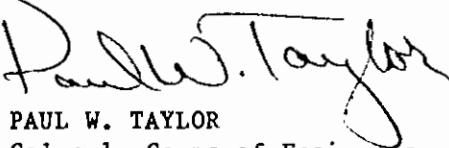
1. Purpose. This pamphlet establishes predetermined equipment ownership and operating expense rates for use in preparation of estimates and in pricing negotiated procurements requiring independent Government estimates.

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

Colorado	Kentucky (west of U.S. Hwy 51)
Illinois (west of U.S. Hwy 51)	Missouri (north of 36°-30'-00")
Iowa (south of U.S. Hwy 20)	Nebraska
Kansas	

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

FOR THE COMMANDER:



PAUL W. TAYLOR

Colonel, Corps of Engineers
Chief of Staff

This pamphlet supersedes EP 1110-1-8, Volume 5, dated 1 June 1984.

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

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Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

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CHAPTER 1

INTRODUCTION

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

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

Colorado	Kentucky (west of
Illinois (west of	U.S. Hwy. 51)
U.S. Hwy. 51)	
Iowa (south of U.S. Hwy. 20)	Missouri (north of
Kansas	36°-30'-00")
	Nebraska

1-3. References. See APPENDIX A.

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

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

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

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

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

CHAPTER 2

METHODOLOGY

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

2-2. Construction Equipment.

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

b. Operating Conditions.

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

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

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

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

(1) Depreciation.

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

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

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

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

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

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

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

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

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

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

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

d. Operating Cost.

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

(2) Fuel Consumption Cost.

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

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

where:

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

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

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

(4) Gasoline wt = 6.1 lbs per gallon

(5) Diesel wt = 7.1 lbs per gallon

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

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

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

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

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

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

(4) Maintenance and Repair Costs.

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

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

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

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

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

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

(5) Hourly Tire Cost.

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

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

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

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

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

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

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

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

CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET <small>(EP 1110-1-8)</small>	
1. REQUIRED DATA	
(Since this request for information is to less than ten persons, OMB approval under Section 3507, 44 USC, is not required.)	
a. Unit Number	<u>3260</u>
(1) Equipment Description	<u>P&H Truck Crane 50-ton</u>
(2) Model and Series	<u>650A-TC</u> w/150' Boom
(3) Year Purchased	<u>1983</u>
(4) Year Manufactured	<u>1983</u>
(5) Equipment Horsepower	<u>135</u>
(6) Carrier Horsepower	<u>236</u>
(7) Fuel Type	<u>Diesel / Diesel</u>
(8) Shipping Weight	<u>122,200 lbs</u>
(9) Tire Size: Front	<u>14X20 18PR</u> Drive
<u>14X20 18PR</u> Trailing <u>N/A</u>	
b. Key Number from APPENDIX D	<u>225</u>
(1) Condition	<u>Average</u>
(2) Salvage Value %	<u>15 %</u>
(3) Life	<u>18,000 Hrs.</u>
(4) Equipment Fuel Factor	<u>.038</u>
(5) Carrier Fuel Factor	<u>.006</u>
(6) POG Factor: Gas	<u>N/A</u>
Diesel	<u>.26</u>
Electric	<u>N/A</u>
(7) Tire Wear Factor: Front	<u>.97</u>
Drive	<u>.78</u>
Trailing	<u>N/A</u>
(8) Repairs Cost Factor	<u>.60</u>
2. EQUIPMENT COST	
a. List Price Year of Manufacture (including extras)	<u>\$ 403,894.00</u>
(1) Discount: (List Price) x *7.5% *(17.5% for Highway Trucks)	<u>= (\$ 403,894.00) x .075</u>
	<u>= (-) \$ 30,292.05</u>
(2) Freight: (Shipping Weight) x (Prep. and Del. Rate) <small>From 1-a-(8) From APPENDIX B</small>	<u>= (122,200) x (.240)</u>
	<u>= (+) \$ 29,328.00</u>
b. Subtotal: Summation of Part a. (Use actual cost when available)	<u>= \$ 376,534.75</u>
(1) State Sales Tax: (Subtotal) x (Tax Rate) <small>From 2-b</small>	<u>= (\$ 376,534.75) x (.045)</u>
	<u>= (+) \$ 16,944.06</u>
c. Equipment Cost: Summation of Part b. (Use actual cost when available)	<u>= \$ 393,478.81</u>

Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

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

$$= (\underline{18,000} \text{ hrs}) + (\underline{1550} \text{ hrs/Yr}) = \underline{11,610} \text{ yrs.}$$

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

-(3437) + (3282) = 1047 (EAF)

5. SALVAGE VALUE FACTOR (S)

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

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

6. OWNERSHIP COSTS

a. Depreciation:

$$\frac{\text{Equipment Cost From } 2-\text{c}}{\text{From } 5} = \frac{[(1.0 - (\text{S From})) - (\text{Tire Cost})]}{\text{Yr. of Mfg.}} + \frac{\text{Life From } 1-\text{b-(3)}}{\text{From } 5}$$

$$= (\$393,479) \times (1.0 - (.157)) = (\$8211), + (\$8000\text{hr}) = \$17,97/\text{hr.}$$

b. Cost of Facilities Capital (CPC):

(1) $\frac{[(From) - 1.0] \times [(S_From) + 1.0] + 2.0}{3} + \frac{[(From) \times 2.0]}{5}$

$$= [(1.6 \text{ yrs}) - 1.0] \times [(1.57) + 1.0] + 2.0] + [(1.6 \text{ yrs}) \times 2.0] = 614.8$$

(2) (Cost From) x (Value Factor) x (From Para. 1 +
 2-c From 6-b-(1) 2-b.c.(2) (Yr From APP. B

$$-(\$393,479) \times (.6148) \times 1,097 + (\$1550 \text{ Hrs/Yr}) = \$15,14/\text{Hr.}$$

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

~~\$ 3.11~~/Hr.

Figure 2-1. (Continued)

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

7. OPERATING COSTS

a. Fuel Costs:

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

$$=(.038) \times (135 \text{ HP}) \times (\$.95/\text{Gal}) = \$ 4.87/\text{Hr.}$$

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

$$=(.006) \times (236 \text{ HP}) \times (\$ 1.17/\text{Gal}) = \$ 1.66/\text{Hr.}$$

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) = \\$ 6.53/Hr.

b. FOG Costs:

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

$$=(.26) \times (\$ 4.87/\text{Hr}) = \$ 1.27/\text{Hrs.}$$

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

$$=(.26) \times (\$ 1.66/\text{Hr}) = \$.43/\text{Hr.}$$

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) = \\$ 1.70/Hr.

c. Repairs Cost:

(1) Repair Factor:

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

$$=(.60) \times (.1047) \times (.094) = .591$$

(2) Hourly Repairs:

Equipment

$$\frac{[(\text{Cost From}) - (\text{Tire Cost})] \times (\text{Repair Factor}) + (\text{From})}{2-c \quad \text{Yr. of Mfg.} \quad \text{From 7-c-(1)} \quad 1-b-(3)}$$

$$=[(\$ 393,479) - (\$ 8,211)] \times (.591) + (.18,000 \text{ Br}) = \$ 12.65/\text{Hr.}$$

Figure 2-1. (Continued)

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

d. Tire Wear Costs (Current Price Levels):

$$(1) \text{Front Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Ftr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad \text{Front} \quad \text{F-Tire} \quad \text{Max Tire} \\ 1-b-(7) \quad \text{Tbl F-1} \\ = 1.5 \times (\underline{\$2776}) + [1.8 \times (\underline{197}) \times (\underline{5000 \text{Hr}})] = \$ \underline{48} / \text{Hr.}$$

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

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

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

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

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

f. Total Operating Costs: (Sum 7-a thru 7-e) = \\$ 22.80 / Hr.

g. TOTAL HOURLY RATES

a. Single Shift Hourly Rate: (40 Hours per Week)
(Ownership Costs Frm 6-c) + (Operating Costs Frm 7-f)

$$= (\underline{\$33.11} / \text{Hr}) + (\underline{\$22.80} / \text{Hr}) = \$ \underline{55.91} / \text{Hr.}$$

b. Hourly Rate for Other Work Shifts:
(Depreciation) + [(CPC Frm 6-a) x 40 + (Work Hrs) Per Week] + (Operating Costs)
From 6-a 6-b-(2) Per Week Frm 7-f
= (\underline{\\$17.97} / \text{Hr}) + [(\underline{\\$15.14} / \text{Hr}) \times 40 + (\underline{60 \text{Hr/Wk}})] + (\underline{\\$22.89} / \text{Hr}) = \\$ \underline{50.86} / \text{Hr.}

c. Hourly Standby Rate:
(Depreciation) x 0.25 + (CPC Frm 6-a 6-b-(2))
= (\underline{\\$17.97} / \text{Hr}) x 0.25 + (\underline{\\$15.14} / \text{Hr}) = \\$ \underline{19.63} / \text{Hr.}

Figure 2-1. (Continued)

2-3. Marine Equipment.

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

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

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

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

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

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

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

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

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

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

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

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

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

CHAPTER 3

RATE SCHEDULE

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

3-2. Hourly Equipment Ownership and Operating Expense.

a. Description.

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

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

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

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

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

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

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

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

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

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

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

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



TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
AGGREGATE SPREADER *****																			
ETNYRE - SELF-PROPELLED																			
1010	SPREAD TO 8" DEPTH & 10' WIDE	184 HP G	55,418	23.80		3.38	6.60	10.70		155									
1015	SPREAD TO 8" DEPTH & 13' WIDE	140 HP D	61,988	16.73		3.79	7.40	3.99		160									
AIR COMPRESSORS, PORTABLE ***** (HOSE NOT INCLUDED)																			
ROTARY SCREW																			
1030	SIZE 100 CFM QUIET 100 PSI	50 HP G	11,095	7.02		0.68	1.29	3.76		20									
1035	SIZE 100 CFM QUIET 100 PSI	33 HP D	13,306	3.99		0.81	1.54	1.19		26									
1040	SIZE 125 CFM QUIET 100 PSI	70 HP G	13,580	9.48		0.83	1.57	5.27		24									
1045	SIZE 125 CFM QUIET 100 PSI	51 HP D	14,443	5.04		0.88	1.67	1.84		26									
1050	SIZE 175 CFM QUIET 100 PSI	70 HP G	14,822	9.71		0.91	1.72	5.27		26									
1055	SIZE 175 CFM QUIET 100 PSI	54 HP D	16,821	5.62		1.03	1.95	1.95		28									
1060	SIZE 185 CFM QUIET 100 PSI	70 HP G	15,302	9.80		0.94	1.78	5.27		27									
1065	SIZE 185 CFM QUIET 100 PSI	69 HP D	18,059	6.54		1.11	2.10	2.49		29									
1070	SIZE 250 CFM QUIET 100 PSI	88 HP D	26,883	9.07		1.65	3.13	3.18		55									
1075	SIZE 375 CFM QUIET 100 PSI	122 HP D	33,301	11.84		2.03	3.82	4.40		79									
1080	SIZE 450 CFM QUIET 100 PSI	152 HP D	43,188	15.08		2.64	4.98	5.49		89									
1085	SIZE 600 CFM QUIET 100 PSI	188 HP D	51,881	18.36		3.17	5.99	6.79		97									
1090	SIZE 750 CFM QUIET 100 PSI	228 HP D	60,130	21.73		3.68	6.96	8.23		128									
1095	SIZE 825 CFM QUIET 100 PSI	260 HP D	68,452	24.77		4.20	7.93	9.39		130									
1100	SIZE 900 CFM QUIET 100 PSI	270 HP D	74,994	26.44		4.60	8.69	9.75		148									
1105	SIZE 1000 CFM QUIET 100 PSI	294 HP D	83,788	29.17		5.14	9.72	10.61		186									
1110	SIZE 1200 CFM QUIET 100 PSI	400 HP D	100,279	37.14		6.15	11.65	14.44		196									
1115	SIZE 1600 CFM QUIET 100 PSI	456 HP D	113,386	42.17		6.95	13.16	16.46		216									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	AIR EQUIPMENT ***** (HOSE NOT INCLUDED)										
	CLEMO - SANDBLASTERS										
1130	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,492	0.98		0.15	0.37	0.00			3	
1135	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,718	1.73		0.27	0.67	0.00			5	
1140	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,734	1.74		0.27	0.67	0.00			6	
1145	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	3,004	1.97		0.29	0.73	0.00			7	
1150	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,062	2.62		0.39	0.99	0.00			9	
1155	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	11,808	7.41		1.13	2.83	0.00			28	
1160	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	14,490	9.05		1.37	3.40	0.00			45	
1165	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	17,678	11.10		1.68	4.18	0.00			53	
	GARDNER DENVER - TOOLS										
1175	SPADER SP27E	32CFM A	907	0.61		0.09	0.22	0.00		1	
1180	SINKER DRILL S58	98CFM A	1,993	1.32		0.19	0.48	0.00		1	
1185	PAVING BREAKER B37	41CFM A	931	0.62		0.09	0.22	0.00		1	
1190	PAVING BREAKER B67C	46CFM A	998	0.68		0.10	0.25	0.00		1	
1195	PAVING BREAKER B87C	50CFM A	1,086	0.72		0.10	0.26	0.00		1	
1200	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,664	2.37		0.35	0.89	0.00		1	
	MASTER - CONCRETE VIBRATORS										
1210	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	1,966	1.84		0.19	0.48	0.00		1	
1215	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,263	1.22		0.12	0.31	0.00		1	
1220	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,133	1.07		0.11	0.27	0.00		1	
1225	CONCRETE VIBR. MOD A-30010 3"	64CFM A	1,022	0.96		0.10	0.25	0.00		1	
1230	CONCRETE VIBR. MOD A-25010 2.5"	40CFM A	801	0.75		0.08	0.20	0.00		1	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
ASPHALT DISTRIBUTOR - ROSCO														
***** (NO CHASSIS)														
1240	MOD RES 1000 GAL. TRUCK MOUNTED 18,000 TO 24,000 GVW REQUIRED	45 HP G	27,332	10.03		1.68	3.31	3.39		72				
1245	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GVW REQUIRED	45 HP G	27,977	10.15		1.72	3.38	3.39		75				
1250	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GVW REQUIRED	45 HP G	29,906	10.54		1.83	3.61	3.39		87				
1255	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GVW REQUIRED	45 HP G	33,514	11.28		2.06	4.05	3.39		109				
ASPHALT FINISHERS														

SPW=STANDARD PAVING WIDTH														
BARBER-GREENE														
1265	MOD SB111 8' SPW (PNEUMATIC)	70 HP D	89,267	21.93		5.45	10.66	2.53		165				
1270	MOD SB131 10' SPW (PNEUMATIC) W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	95 HP D	141,972	34.23		8.64	16.84	3.43		258				
1275	MOD SB140 10' SPW (PNEUMATIC) OPTIONS SAME AS MOD SB131	130 HP D	157,694	39.13		9.61	18.75	4.69		325				
1280	MOD SA150 10' SPW (CRAWLER) OPTIONS SAME AS MOD SB131	130 HP D	187,779	45.09		11.54	22.72	4.69		375				
BLAW-KNOX														
1290	MOD PF-22 5' SPW (PNEUMATIC)	22 HP D	45,972	10.69		2.79	5.42	0.79		95				
1295	MOD PF-35 6' SPW (PNEUMATIC)	56 HP D	72,515	17.80		4.43	8.64	2.02		104				
1300	MOD PF-115 8' SPW (PNEUMATIC)	58 HP D	100,465	23.76		6.13	11.97	2.09		180				
1305	MOD PF-120H 8' SPW (PNEUMATIC)	87 HP D	125,390	30.40		7.62	14.83	3.14		240				
1310	MOD PF-180H 10' SPW (PNEUMATIC)	88 HP D	146,848	34.98		8.92	17.36	3.18		277				
1315	MOD PF-220 12' SPW (PNEUMATIC)	157 HP D	194,395	48.21		11.80	22.96	5.67		387				
1320	MOD PF-400 8' SPW (CRAWLER)	76 HP D	138,058	32.25		8.48	16.70	2.74		230				
1325	MOD PF-500 10' SPW (CRAWLER)	110 HP D	165,305	39.49		10.16	20.00	3.97		291				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			AVERAGE	SEVERE	STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL	SEVERE OWNER-SHIP	COND. FUEL	
	ASPHALT KETTLES - ROSCO *****									
1335	MOD KB 110 GAL. TRAILER MOUNTED	3,687	1.87		0.25	0.51	0.00			13
1340	MOD KD 225 GAL. TRAILER MOUNTED	4,281	2.11		0.28	0.59	0.00			16
	ASPHALT RECYCLER - BOMAG *****									
1350	MOD AR-6 TRAILER MOUNTED	8 HP G	10,189	4.78		0.68	1.42	0.60		21
	BROOMS - M-B *****									
1360	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER	6,333	1.42		0.39	0.73	0.00			24
1365	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	21 HP G	8,208	3.56		0.50	0.95	1.58		30
1370	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		2,778	0.73		0.17	0.33	0.00		10
1375	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		4,313	0.97		0.27	0.51	0.00		14
	BRUSH CHIPPERS - FMC *****									
1385	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	11,488	12.79		0.71	1.39	7.87			41
1390	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	12,572	13.01		0.76	1.49	7.87			45
	BUCKETS, CLAMSHELL *****									
	ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1400	.75 C.Y.	10,024	1.93	2.44	0.61	1.25	0.00	1.47	0.00	37
1405	1.0 C.Y.	10,784	2.07	2.62	0.66	1.34	0.00	1.58	0.00	41
1410	1.5 C.Y.	15,615	3.01	3.80	0.96	1.95	0.00	2.29	0.00	61
1415	2.0 C.Y.	18,352	3.53	4.47	1.13	2.29	0.00	2.70	0.00	69
1420	2.5 C.Y.	23,682	4.55	5.77	1.45	2.95	0.00	3.48	0.00	88
1425	3.0 C.Y.	25,209	4.85	6.15	1.54	3.14	0.00	3.71	0.00	94
1430	3.5 C.Y.	27,401	5.27	6.68	1.68	3.42	0.00	4.03	0.00	105

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

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

ESCO - MODEL GPS														
GEN PURPOSE & SQUARE NOSE (CONT'D)														
1435	4.0 C.Y.	30,384	5.85	7.40	1.86	3.79	0.00	4.46	0.00	115				
1440	4.5 C.Y.	33,014	6.35	8.04	2.03	4.12	0.00	4.85	0.00	126				
1445	5.0 C.Y.	35,176	6.76	8.57	2.15	4.38	0.00	5.17	0.00	140				
1450	5.5 C.Y.	38,950	7.50	9.50	2.39	4.86	0.00	5.73	0.00	152				
1455	6.0 C.Y.	40,530	7.80	9.87	2.49	5.06	0.00	5.95	0.00	160				
1460	6.5 C.Y.	41,710	8.03	10.16	2.56	5.21	0.00	6.13	0.00	169				
1465	7.0 C.Y.	43,902	8.45	10.69	2.70	5.48	0.00	6.45	0.00	177				
1470	7.5 C.Y.	45,670	8.79	11.12	2.81	5.70	0.00	6.71	0.00	184				
ESCO - MODEL HDS														
HEAVY DUTY & SQUARE NOSE														
1480	.75 C.Y.	9,575	1.85	2.33	0.59	1.20	0.00	1.40	0.00	33				
1485	1.0 C.Y.	13,330	2.57	3.25	0.82	1.67	0.00	1.96	0.00	46				
1490	1.5 C.Y.	19,556	3.76	4.77	1.20	2.44	0.00	2.88	0.00	70				
1495	2.0 C.Y.	21,192	4.07	5.16	1.30	2.64	0.00	3.11	0.00	78				
1500	2.5 C.Y.	26,651	5.12	6.50	1.63	3.32	0.00	3.92	0.00	98				
1505	3.0 C.Y.	29,336	5.65	7.15	1.80	3.66	0.00	4.31	0.00	109				
1510	3.5 C.Y.	33,749	6.49	8.22	2.07	4.21	0.00	4.96	0.00	120				
1515	4.0 C.Y.	36,431	7.02	8.87	2.24	4.55	0.00	5.35	0.00	131				
1520	4.5 C.Y.	39,278	7.56	9.57	2.41	4.90	0.00	5.77	0.00	141				
1525	5.0 C.Y.	42,126	8.10	10.26	2.58	5.25	0.00	6.19	0.00	155				
1530	5.5 C.Y.	44,591	8.58	10.86	2.73	5.56	0.00	6.55	0.00	164				
1535	6.0 C.Y.	46,919	9.03	11.44	2.88	5.86	0.00	6.90	0.00	174				
1540	6.5 C.Y.	49,540	9.53	12.07	3.04	6.18	0.00	7.28	0.00	185				
1545	7.0 C.Y.	51,760	9.96	12.60	3.18	6.46	0.00	7.60	0.00	193				
1550	7.5 C.Y.	53,938	10.38	13.13	3.31	6.73	0.00	7.92	0.00	201				

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

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

ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE													
1560	.75 C.Y.	15,166	2.92	3.70	0.93	1.89	0.00	2.23	0.00	50			
1565	1.0 C.Y.	15,470	2.98	3.78	0.95	1.93	0.00	2.28	0.00	55			
1570	1.5 C.Y.	22,342	4.30	5.44	1.37	2.79	0.00	3.28	0.00	81			
1575	2.0 C.Y.	27,535	5.30	6.71	1.69	3.44	0.00	4.05	0.00	99			
1580	2.5 C.Y.	30,991	5.97	7.56	1.91	3.87	0.00	4.56	0.00	115			
1585	3.0 C.Y.	33,795	6.51	8.23	2.08	4.22	0.00	4.96	0.00	127			
1590	3.5 C.Y.	36,474	7.02	8.89	2.24	4.55	0.00	5.36	0.00	141			
1595	4.0 C.Y.	38,846	7.48	9.47	2.38	4.85	0.00	5.71	0.00	150			
1600	4.5 C.Y.	40,492	7.79	9.86	2.49	5.05	0.00	5.95	0.00	160			
1605	5.0 C.Y.	44,036	8.47	10.74	2.70	5.49	0.00	6.48	0.00	173			
1610	5.5 C.Y.	46,827	9.01	11.41	2.87	5.84	0.00	6.88	0.00	185			
1615	6.0 C.Y.	49,400	9.51	12.04	3.04	6.17	0.00	7.26	0.00	195			
1620	6.5 C.Y.	52,216	10.05	12.72	3.21	6.52	0.00	7.67	0.00	208			
1625	7.0 C.Y.	54,295	10.44	13.23	3.33	6.77	0.00	7.98	0.00	218			
1630	7.5 C.Y.	57,057	10.98	13.90	3.50	7.12	0.00	8.38	0.00	229			
BUCKETS, CONCRETE - GAR-BRO													

GENERAL PURPOSE & MANUAL													
1640	433-G 1.0 C.Y.	1,510	0.28		0.09	0.18	0.00			6			
1645	442-G 1.5 C.Y.	1,886	0.36		0.12	0.23	0.00			8			
1650	462-G 2.0 C.Y.	2,438	0.45		0.15	0.29	0.00			11			
1655	493-G 3.0 C.Y.	3,431	0.64		0.21	0.41	0.00			19			
1660	4123-G 4.0 C.Y.	4,306	0.81		0.27	0.52	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 OWNERSHIP	FUEL	SEVERE OWNERSHIP									
			AVERAGE	SEVERE													
BUCKETS, CONCRETE - GAR-BRO (CONT'D) *****																	
LOW SLUMP - AIR OPERATED GATE																	
1670	440-A 1.0 C.Y.	6,279	1.18		0.39	0.76	0.00		19								
1675	450-A 1.5 C.Y.	6,523	1.23		0.40	0.79	0.00		21								
1680	460-A 2.0 C.Y.	6,773	1.28		0.42	0.82	0.00		23								
1685	493-A 3.0 C.Y.	8,858	1.67		0.55	1.07	0.00		42								
1690	4139-A 4.0 C.Y.	9,193	1.73		0.56	1.11	0.00		52								
1695	4200-A 6.0 C.Y. DBL. COMPT.	13,288	2.51		0.82	1.61	0.00		72								
1700	4250-A 8.0 C.Y. DBL. COMPT.	15,915	3.00		0.98	1.92	0.00		80								
LAYDOWN - HEAVY DUTY - AIR GATE																	
1710	425-A 1.0 C.Y.	7,086	1.33		0.43	0.85	0.00		26								
1715	465-A 2.0 C.Y.	7,908	1.50		0.49	0.96	0.00		31								
1720	495-A 3.0 C.Y.	9,155	1.73		0.56	1.11	0.00		40								
1725	4125-A 4.0 C.Y.	10,178	1.92		0.62	1.23	0.00		49								
1730	4155-A 5.0 C.Y.	11,913	2.26		0.74	1.45	0.00		60								
BUCKETS, DRAGLINE *****																	
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED																	
1745	.75 C.Y.	3,353	0.64	0.81	0.20	0.41	0.00	0.49	0.00								
1750	1.0 C.Y.	3,978	0.77	0.96	0.25	0.50	0.00	0.58	0.00								
1755	1.5 C.Y.	4,849	0.94	1.18	0.30	0.61	0.00	0.71	0.00								
1760	2.0 C.Y.	5,723	1.10	1.40	0.35	0.71	0.00	0.85	0.00								
1765	2.5 C.Y.	6,724	1.30	1.64	0.41	0.84	0.00	0.99	0.00								
1770	3.0 C.Y.	8,291	1.59	2.02	0.51	1.03	0.00	1.22	0.00								
1775	3.5 C.Y.	9,169	1.77	2.24	0.57	1.15	0.00	1.35	0.00								
1780	4.0 C.Y.	11,163	2.15	2.72	0.69	1.39	0.00	1.64	0.00								
1785	4.5 C.Y.	11,852	2.28	2.89	0.73	1.48	0.00	1.74	0.00								
1790	5.0 C.Y.	14,304	2.76	3.48	0.88	1.79	0.00	2.10	0.00								

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

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

HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED (CONT'D)															
1795	6.0 C.Y.	15,509	2.98	3.78	0.95	1.93	0.00	2.28	0.00	90					
1800	7.0 C.Y.	16,951	3.26	4.13	1.04	2.11	0.00	2.49	0.00	101					
1805	8.0 C.Y.	18,792	3.62	4.59	1.16	2.35	0.00	2.77	0.00	112					
1810	9.0 C.Y.	21,707	4.18	5.29	1.33	2.71	0.00	3.19	0.00	128					
1815	10.0 C.Y.	23,592	4.55	5.74	1.45	2.95	0.00	3.46	0.00	139					
1820	12.0 C.Y.	29,011	5.58	7.07	1.78	3.62	0.00	4.27	0.00	166					
1825	14.0 C.Y.	33,357	6.42	8.13	2.05	4.16	0.00	4.91	0.00	191					
HENDRIX - MODEL TS, MEDIUM WEIGHT															
1835	.75 C.Y.	3,909	0.75	0.95	0.24	0.49	0.00	0.57	0.00	17					
1840	1.0 C.Y.	4,812	0.93	1.18	0.29	0.60	0.00	0.71	0.00	19					
1845	1.5 C.Y.	5,920	1.14	1.44	0.37	0.74	0.00	0.87	0.00	28					
1850	2.0 C.Y.	7,054	1.36	1.72	0.43	0.88	0.00	1.04	0.00	36					
1855	2.5 C.Y.	8,133	1.57	1.99	0.50	1.02	0.00	1.20	0.00	41					
1860	3.0 C.Y.	9,725	1.87	2.37	0.60	1.21	0.00	1.43	0.00	49					
1865	3.5 C.Y.	10,740	2.07	2.62	0.66	1.34	0.00	1.58	0.00	54					
1870	4.0 C.Y.	12,880	2.48	3.14	0.79	1.61	0.00	1.89	0.00	70					
1875	4.5 C.Y.	13,782	2.65	3.36	0.84	1.72	0.00	2.03	0.00	72					
1880	5.0 C.Y.	17,664	3.40	4.31	1.08	2.20	0.00	2.60	0.00	93					
1885	6.0 C.Y.	18,255	3.51	4.44	1.12	2.27	0.00	2.68	0.00	96					
1890	7.0 C.Y.	20,833	4.01	5.07	1.28	2.60	0.00	3.06	0.00	111					
1895	8.0 C.Y.	22,937	4.41	5.59	1.41	2.86	0.00	3.37	0.00	122					
1900	9.0 C.Y.	27,450	5.28	6.68	1.68	3.42	0.00	4.03	0.00	149					
1905	10.0 C.Y.	29,232	5.63	7.13	1.80	3.65	0.00	4.30	0.00	159					
1910	12.0 C.Y.	37,258	7.17	9.08	2.29	4.65	0.00	5.48	0.00	202					
1915	14.0 C.Y.	41,487	7.99	10.11	2.55	5.18	0.00	6.10	0.00	225					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
BUCKETS, DRAGLINE (CONT'D) *****																			
HENDRIX - MODEL MH-S, HEAVY WEIGHT																			
1925	2.75 C.Y.	15,622	3.01	3.80	0.96	1.95	0.00	2.29	0.00	69									
1930	3.0 C.Y.	16,247	3.12	3.96	0.99	2.02	0.00	2.39	0.00	72									
1935	3.5 C.Y.	18,190	3.50	4.43	1.12	2.27	0.00	2.67	0.00	81									
1940	4.0 C.Y.	24,326	4.69	5.92	1.50	3.04	0.00	3.57	0.00	110									
1945	4.5 C.Y.	27,196	5.23	6.63	1.67	3.39	0.00	4.00	0.00	123									
1950	5.0 C.Y.	28,084	5.41	6.84	1.73	3.51	0.00	4.13	0.00	127									
1955	6.0 C.Y.	30,075	5.79	7.33	1.85	3.75	0.00	4.42	0.00	136									
1960	7.0 C.Y.	38,231	7.36	9.32	2.35	4.77	0.00	5.62	0.00	175									
1965	8.0 C.Y.	39,320	7.57	9.58	2.41	4.91	0.00	5.78	0.00	180									
1970	9.0 C.Y.	49,991	9.62	12.17	3.07	6.24	0.00	7.34	0.00	234									
1975	10.0 C.Y.	51,915	9.99	12.65	3.19	6.48	0.00	7.63	0.00	243									
1980	12.0 C.Y.	61,745	11.88	15.05	3.79	7.70	0.00	9.08	0.00	289									
1985	14.0 C.Y.	65,666	12.63	16.00	4.03	8.19	0.00	9.65	0.00	309									
SAUERMAN - CRESCENT SCRAPER																			
WITH DRAGLINE CONVERSION KIT																			
1995	SC-1050-K 1.0 C.Y.	9,537	1.84	2.32	0.58	1.19	0.00	1.40	0.00	15									
2000	SC-1060-K 1.5 C.Y.	12,212	2.35	2.97	0.75	1.52	0.00	1.79	0.00	20									
2005	SC-1070-K 2.0 C.Y.	16,745	3.22	4.08	1.03	2.09	0.00	2.46	0.00	25									
2010	SC-1090-K 3.0 C.Y.	22,142	4.26	5.39	1.36	2.76	0.00	3.25	0.00	36									
2015	SC-1100-K 4.0 C.Y.	33,111	6.37	8.07	2.03	4.13	0.00	4.87	0.00	49									
2020	SC-1110-K 5.0 C.Y.	37,748	7.26	9.20	2.32	4.71	0.00	5.55	0.00	58									
2025	SC-1120-K 6.0 C.Y.	45,758	8.81	11.15	2.81	5.71	0.00	6.73	0.00	68									
2030	SC-1130-K 8.0 C.Y.	55,578	10.70	13.54	3.42	6.94	0.00	8.17	0.00	88									
2035	SC-1140-K 10.0 C.Y.	67,436	12.97	16.43	4.14	8.41	0.00	9.91	0.00	106									
2040	SC-1150-K 12.0 C.Y.	78,209	15.05	19.06	4.80	9.76	0.00	11.50	0.00	132									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
COMPACTORS, MANUALLY OPERATED *****											
2050	UR-12 INGERSOLL-RAND RAMMER	3 HP G	1,679	1.00		0.13	0.29	0.31		1	
2055	GVR75Y WACKER RAMMER	3 HP G	1,322	0.87		0.10	0.23	0.31		1	
2060	GVR100 WACKER RAMMER	5 HP G	1,795	1.31		0.14	0.32	0.52		1	
2065	GVR151Y WACKER RAMMER	5 HP G	2,321	1.51		0.18	0.41	0.52		2	
2070	GVR220Y WACKER RAMMER	6 HP G	3,000	1.89		0.23	0.53	0.62		2	
2075	VPG160B WACKER VIBRO PLATE	3 HP G	1,158	0.81		0.09	0.20	0.31		2	
2080	VPG260K WACKER VIBRO PLATE	7 HP G	1,814	1.58		0.14	0.32	0.73		3	
2085	BT-50 BOMAG TAMPING	4 HP G	1,744	1.16		0.14	0.31	0.41		1	
2090	BT-70 BOMAG TAMPING	4 HP G	2,172	1.33		0.17	0.39	0.41		2	
2095	BP-11K BOMAG VIBRO PLATE	4 HP G	1,485	1.07		0.12	0.27	0.41		3	
2100	BP-19/75 BOMAG VIBRO PLATE	5 HP D	3,086	1.47		0.24	0.55	0.25		4	
2105	BP-30 BOMAG VIBRO PLATE	5 HP D	5,300	2.28		0.41	0.93	0.25		5	
2110	BP-50 BOMAG VIBRO PLATE	5 HP D	9,260	3.76		0.72	1.63	0.25		9	
2115	BW-75E BOMAG WALK BEHIND S/D	5 HP D	7,152	2.98		0.56	1.26	0.25		10	
2120	BW-35 BOMAG WALK BEHIND D/D	4 HP D	8,886	3.56		0.68	1.56	0.20		11	
2125	BW-60SE BOMAG D/D ROLLER	8 HP D	12,297	5.08		0.95	2.16	0.40		20	
2130	BW-90SE BOMAG D/D ROLLER	13 HP D	15,231	6.48		1.17	2.68	0.65		30	
2135	VPG600 WACKER VIBRO PLATE	9 HP G	3,406	2.42		0.26	0.60	0.93		7	
2140	DPS2350 WACKER VIBRO PLATE	7 HP D	3,610	1.78		0.28	0.64	0.35		4	
2145	DPS4570 WACKER VIBRO PLATE	10 HP D	5,790	2.78		0.45	1.02	0.50		8	
2150	DVU4001 WACKER VIBRO PLATE	10 HP D	11,859	5.03		0.91	2.08	0.50		13	
2155	W 55 T WACKER D/D ROLLER	8 HP D	11,395	4.74		0.88	2.00	0.40		17	
2160	W 74 T WACKER D/D ROLLER	8 HP D	12,858	5.29		0.99	2.26	0.40		19	
CONCRETE BUGGIES - AEROIL *****											
2170	5 CF WALK-BEHIND	5 HP G	1,734	1.05		0.13	0.29	0.40		3	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
CONCRETE FINISHERS - BOMAG										
2180	MOD P46B4 GYRO TROWEL	7 HP G	1,430	1.18		0.11	0.24	0.57		2
2185	MOD RP2B4 DOUBLTROWEL	16 HP G	5,645	3.40		0.44	0.96	1.30		7
2190	MOD RP3B3 TRIPLTROWEL	16 HP G	7,279	3.89		0.56	1.23	1.30		9
CONCRETE MIXERS										
2200	PORTABLE CONCRETE MIXER 2.5 CF	1 HP E	659	0.25		0.05	0.09	0.05		2
2205	PORTABLE CONCRETE MIXER 3.5 CF	1 HP E	674	0.26		0.05	0.10	0.05		3
2210	PORTABLE CONCRETE MIXER 6.0 CF	7 HP G	2,026	1.34		0.15	0.32	0.57		7
2215	PORTABLE MORTAR MIXER 6.0 CF	7 HP G	1,623	1.22		0.12	0.25	0.57		6
CONCRETE PAVERS										
CMI										
2225	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIAN, AND SIDEWALKS	142 HP D	129,404	33.50		7.95	15.65	5.13		263
2230	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP D	229,744	57.44		14.12	27.80	7.51		470
2235	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	406,244	96.12		24.96	49.15	9.02		720
GOMACO										
2245	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP G	26,244	11.92		1.61	3.15	4.89		91
2250	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	117,897	29.16		7.24	14.26	3.61		240
CONCRETE PLACERS, SHOTCRETE										
ALLENTOWN										
2260	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CPM COMP.	12 HP D	24,645	7.01		1.65	3.45	0.64		45
2265	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CPM COMP.	20 HP D	27,896	8.38		1.88	3.93	1.06		60

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CONCRETE PLACERS, SHOTCRETE (CONT'D) *****														
ALLENTOWN (CONT'D)														
2270	GR600 ROTARY GUN 1-6 CY/HR INCL. HOSE, REQ. 550 CPM COMP.	550CFM A	8,143	2.24		0.55	1.13	0.00		9				
2275	GR1200 ROTARY GUN 4-12 CY/HR INCL. HOSE, REQ. 770 CFM COMP.	770CFM A	16,057	4.34		1.07	2.24	0.00		18				
CHALLENGE SQUEEZ-CRETE														
2285	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP D	43,519	15.15		2.93	6.15	3.30		70				
CONCRETE PUMPS *****														
MORGEN														
2295	MOD 204-305 TRAILER MTD 60 CY/HR 100 HP D	56,289	20.95			3.79	7.96	5.32		70				
2300	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GW TRUCK	141,432	53.19			9.49	19.91	13.76		255				
SCHWING														
2310	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	44,368	15.70			2.99	6.27	3.56		66				
2315	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	69,418	27.78			4.66	9.75	8.09		98				
2320	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	71,332	28.26			4.79	10.02	8.09		98				
2325	MOD BP 3000 TRAILER MTD 127 CY/HR 177 HP D	94,468	35.80			6.35	13.34	9.42		130				
2330	MOD BP 5000 TRAILER MTD 151 CY/HR 300 HP D	121,368	50.93			8.17	17.15	15.96		150				
2335	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	149,436	52.36			9.99	20.87	11.47		302				
2340	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	217,995	69.59			14.60	30.57	11.47		321				
2345	MOD BPL1200 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	272,175	88.63			18.23	38.16	15.66		408				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL				
CONCRETE SAWS *****												
FELKER (SAWBLADE WEAR NOT INCLUDED)												
2355	MOD 8KCC	5" DEPTH OF CUT 8 HP G	1,667	1.52	0.11	0.24	0.83		3			
2360	MOD 12WOC	5" DEPTH OF CUT 12 HP G	1,858	2.10	0.13	0.26	1.24		3			
2365	MOD 14TOC	5" DEPTH OF CUT 14 HP G	1,911	2.39	0.13	0.27	1.45		3			
2370	MOD 140MR	8" DEPTH OF CUT 14 HP G	4,068	2.93	0.27	0.57	1.45		6			
2375	MOD 185MR	8" DEPTH OF CUT 18 HP G	5,177	3.77	0.35	0.73	1.87		7			
2380	MOD 250MR	8" DEPTH OF CUT 23 HP G	5,249	4.47	0.35	0.74	2.39		7			
2385	MOD 30MCA	10" DEPTH OF CUT 30 HP G	8,378	6.22	0.57	1.19	3.11		12			
2390	MOD 665MCA	15" DEPTH OF CUT 65 HP G	11,304	11.74	0.76	1.60	6.74		14			
CRANES, SHOVEL, BACKHOE, DRAGLINE *****												
AMERICAN - CRAWLER TYPE												
	MOD 4120 DRAGLINE	1 CY 93 HP D 13'-7" CRAWLERS W/28" SHOES										
2400	DRAGLINE OR CLAMSHELL (LESS BUCKET)		194,583	35.48	43.24	11.20	20.81	2.65	23.49			
	MOD 597-C	1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES										
2405	DRAGLINE OR CLAMSHELL (LESS BUCKET)		270,797	43.33	50.91	14.51	25.21	3.25	27.52			
2410	CRANE 35-T W/65' BOOM		272,519	40.11	46.17	14.60	25.37	2.60	27.69			
	MOD 599-A	LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES										
2420	CRANE 50-T W/75' BOOM		296,876	43.42	49.93	15.90	27.64	2.60	30.16			
	MOD 5299-A	LIFTING CRANE T/C 114 HP D 17'-6" CRAWLERS W/32" SHOES										
2430	CRANE 60-T W/80' BOOM		311,913	45.47	52.25	16.71	29.04	2.60	31.69			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	AMERICAN - CRAWLER TYPE (CONT'D)									
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2440	DRAGLINE OR CLAMSHELL (LESS BUCKET)	370,035	59.63	70.08	19.83	34.45	4.79	37.59	6.06	1278
2445	CRANE 40-T W/75' BOOM	362,170	53.77	61.93	19.40	33.72	3.83	36.79	4.95	1262
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2455	CRANE 60-T W/80' BOOM	383,617	52.58	59.31	19.54	32.18	3.83	34.39	4.95	1421
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES									
2465	CRANE 100T W/200' BOOM	474,254	63.91	71.89	24.17	39.79	3.83	42.51	4.95	1886
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2475	CRANE 110-T W/200' BOOM	621,462	85.60	96.62	31.66	52.13	6.54	55.72	8.45	2792
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2485	CRANE 125T W/270' BOOM	657,463	90.11	101.62	33.50	55.16	6.54	58.95	8.45	3150
2490	DRAGLINE OR CLAMSHELL (LESS BUCKET)	624,202	93.06	107.00	31.80	52.36	8.18	55.96	10.36	2950
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES									
2500	CRANE 150T W/280' BOOM	724,849	98.53	110.97	36.94	60.82	6.54	64.98	8.45	3400
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES									
2510	CRANE 165T W/290' BOOM	761,907	100.40	111.90	37.82	60.41	6.54	63.92	8.45	3580
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES									
2520	CRANE 225T W/280' BOOM	814,587	106.78	118.91	40.44	64.59	6.54	68.34	8.45	3990

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****								
	BUCYRUS ERIE - CRAWLER TYPE								
	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES								
2535	DRAGLINE OR CLAMSHELL (LESS BUCKET)	206,136	38.21	46.60	11.86	22.04	3.28	24.89	4.15 647
2540	CRANE 28-T W/50' BOOM	210,686	31.74	36.64	11.29	19.61	2.62	21.40	3.39 651
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES								
2550	BACKHOE	267,167	59.05	74.93	16.42	32.26	4.79	37.79	6.29 792
2555	DRAGLINE OR CLAMSHELL (LESS BUCKET)	297,915	48.30	56.81	15.97	27.74	4.10	30.27	5.20 833
2560	CRANE 35-T W/60' BOOM	299,466	44.59	51.39	16.05	27.88	3.28	30.43	4.24 831
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES								
2570	SHOVEL	379,737	82.85	105.11	23.34	45.85	5.92	53.72	7.78 1279
2575	DRAGLINE OR CLAMSHELL (LESS BUCKET)	389,789	62.83	73.88	20.89	36.29	5.07	39.60	6.43 1192
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES								
2585	SHOVEL	543,627	108.18	132.16	31.08	59.72	6.82	67.72	8.96 1762
2590	BACKHOE	520,147	103.86	126.93	29.74	57.14	6.82	64.80	8.96 1727
2595	DRAGLINE OR CLAMSHELL (LESS BUCKET)	538,433	78.80	90.43	27.43	45.17	5.84	48.27	7.40 1570
2600	CRANE 51-T W/70' BOOM	526,585	71.48	80.50	26.83	44.18	4.67	47.21	6.04 1571
	MOD 61-B SER-2 110-T 4 CY T/C 243 HP D 20'-6" CRAWLERS W/42" SHOES								
2610	CRANE 110T W/160' BOOM	662,137	89.47	100.68	33.74	55.55	5.54	59.36	7.16 2123
2615	DRAGLINE OR CLAMSHELL (LESS BUCKET)	633,081	92.72	106.41	32.26	53.11	6.93	56.76	8.77 1973
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES								
2625	SHOVEL	655,143	130.32	159.23	37.46	71.97	8.18	81.62	10.75 2096
2630	BACKHOE	619,596	123.78	151.31	35.42	68.06	8.18	77.20	10.75 2000

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****										
	BUCYRUS ERIE - CRAWLER TYPE (CONT'D)										
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES										
2635	DRAGLINE OR CLAMSHELL (LESS BUCKET)	587,913	86.81	99.71	29.96	49.32	7.01	52.71	8.88	1820	
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES										
2645	SHOVEL	930,664	179.47	213.63	50.42	92.44	12.14	102.24	15.95	2822	
2650	DRAGLINE OR CLAMSHELL (LESS BUCKET)	766,123	111.35	126.71	38.03	60.74	10.40	64.28	13.18	2274	
	LINK BELT - CRAWLER TYPE										
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/24" SHOES										
2665	CRANE 40-T W/50' BOOM	197,011	29.75	34.35	10.56	18.34	2.51	20.02	3.24	772	
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES										
2675	CRANE 60-T W/80' BOOM	314,865	43.92	49.66	16.05	26.42	3.76	28.23	4.86	1232	
	MOD LS-338 LIFTING CRANE T/C 170 HP D 20'-0" CRAWLERS W/38" SHOES										
2685	CRANE 100-T W/200' BOOM	441,504	59.88	67.42	22.50	37.04	3.88	39.58	5.01	1512	
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W/44" SHOES										
2695	CRANE 150-T W/250' BOOM	666,108	90.03	101.31	33.95	55.89	5.59	59.71	7.22	2712	
	MANITOWOC - CRAWLER TYPE										
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES										
2710	DRAGLINE OR CLAMSHELL (LESS BUCKET)	436,525	68.09	78.64	22.24	36.62	8.18	39.14	10.36	2306	
2715	CRANE 100T W/210' BOOM	472,923	67.05	75.99	24.09	39.67	6.54	42.40	8.45	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.	OWNER-SHIP	FUEL	OWNER-SHIP	
	CRANES, SHOVEL, B/B, DRAGLINE (CONT'D) *****									
	MANITOWOC - CRAWLER TYPE (CONT'D)									
	MOD 3900W VICON SER2 4 CY T/C 300 HP D 24'-0" CRAWLERS W/48" SHOES									
2725	DRAGLINE OR CLAMSHELL (LESS BUCKET)	556,229	84.47	97.29	28.34	46.66	8.55	49.86	10.83	2763
2730	CRANE 140T W/250' BOOM	563,326	78.71	89.00	28.71	47.26	6.84	50.50	8.83	2815
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
2740	DRAGLINE OR CLAMSHELL (LESS BUCKET)	739,616	110.97	127.66	37.69	62.05	10.26	66.30	13.00	3788
2745	CRANE 200T W/260' BOOM	748,356	100.83	112.75	37.16	59.34	8.21	62.78	10.60	3929
	MOD 4600 VICON SERIES 3 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
2755	CRANE 240T W/260' BOOM	1,171,619	161.28	180.97	58.16	92.89	15.62	98.29	20.17	5200
2760	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,191,749	177.37	202.33	59.17	94.50	19.52	99.98	24.73	5100
	NORTHWEST - CRAWLER TYPE									
	MOD 50-D 1.5 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES									
2775	DRAGLINE OR CLAMSHELL (LESS BUCKET)	275,551	48.26	57.09	14.76	25.65	6.78	28.00	8.59	954
2780	CRANE 45-T W/60' BOOM	272,460	43.51	50.53	14.60	25.37	5.43	27.68	7.01	947
	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
2790	SHOVEL	465,587	103.37	131.21	28.60	56.21	8.74	65.86	11.49	1510
2795	DRAGLINE OR CLAMSHELL (LESS BUCKET)	395,611	66.60	78.55	21.19	36.83	7.50	40.20	9.49	1274
2800	CRANE 40-T W/50' BOOM	391,529	60.36	69.83	20.98	36.46	6.00	39.78	7.75	1267
	MOD 9570 4.0 CY T/C 263 HP D 19'-0" CRAWLERS W/38" SHOES									
2810	DRAGLINE OR CLAMSHELL (LESS BUCKET)	462,655	70.73	81.52	23.57	38.81	7.50	41.48	9.49	1580
2815	CRANE 60-T W/50' BOOM	458,596	64.60	73.13	23.37	38.47	6.00	41.11	7.75	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	AVERAGE COND.	SEVERE COND.	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	NORTHWEST - CRAWLER TYPE (CONT'D)									
	MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES									
2825	SHOVEL	766,761	155.36	190.09	43.84	84.23	11.90	95.53	15.64	2571
2830	DRAGLINE OR CLAMSHELL (LESS BUCKET)	687,421	103.94	119.68	35.03	57.67	10.20	61.63	12.92	2365
2835	CRANE 97.5-T W/170' BOOM	710,202	98.67	111.49	36.19	59.58	8.16	63.67	10.54	2464
	MOD 190-D WT SERIES 3 T/C 456 HP D 21'-1" CRAWLERS W/54" SHOES									
2845	DRAGLINE 6.5 CY (LESS BUCKET)	700,198	106.10	121.27	34.76	55.52	13.00	58.74	16.46	2740
2850	CRANE 100-T W/170' BOOM	725,879	103.36	117.19	36.99	60.90	10.40	65.08	13.43	2872
	P & H - CRAWLER TYPE									
	MOD 5060 1.75 CY T/C 140 HP D 19'-8" CRAWLERS W/30" SHOES									
2865	DRAGLINE (LESS BUCKET)	302,651	48.86	57.44	16.22	28.18	3.99	30.75	5.05	989
2870	CRANE 60-T W/80' BOOM	307,766	42.33	47.77	15.68	25.82	3.19	27.59	4.12	1157
	MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES									
2880	DRAGLINE OR CLAMSHELL (LESS BUCKET)	377,632	61.76	72.68	20.24	35.16	5.64	38.36	7.15	1344
2885	CRANE 70-T W/150' BOOM	387,315	53.88	60.90	19.73	32.49	4.51	34.73	5.83	1466
	MOD 5100 3 CY T/C 236 HP D 21'-6" CRAWLERS W/36" SHOES									
2890	DRAGLINE OR CLAMSHELL (LESS BUCKET)	454,266	68.68	79.07	23.15	38.11	6.73	40.73	8.52	1775
2895	CRANE 100-T W/210' BOOM	470,581	65.34	73.83	23.98	39.48	5.38	42.19	6.95	1850
	MOD 5300A LIFTING CRANE T/C 378 HP D 32'-8" CRAWLERS W/48" SHOES									
2900	CRANE 300-T W/320' BOOM	1,409,873	181.46	201.47	69.99	111.79	8.62	118.28	11.13	5588

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						
CRANES, HYDRAULIC SELF-PROPELLED *****														
GROVE														
2910	MOD RT58A	14 TON	112 HP D	108,303	20.44		5.57	9.67	4.04	410				
2915	MOD RT515	15 TON	115 HP D	116,240	21.66		5.98	10.40	4.15	418				
2920	MOD RT518	18 TON	115 HP D	131,527	23.95		6.75	11.71	4.15	452				
2925	MOD RT522	22 TON	115 HP D	143,943	25.65		7.40	12.84	4.15	498				
2930	MOD RT625	25 TON	156 HP D	191,910	33.71		9.87	17.15	5.63	560				
2935	MOD RT740	40 TON	170 HP D	267,774	45.88		13.73	23.79	6.14	758				
2940	MOD RT755	55 TON	170 HP D	319,519	53.42		16.36	28.30	6.14	839				
2945	MOD RT865	65 TON	208 HP D	393,239	65.31		20.17	34.97	7.51	1100				
2950	MOD RT980	80 TON	230 HP D	507,916	83.02		26.02	45.00	8.30	1320				
2955	MOD RT1650	165 TON	512 HP D	958,887	159.44		49.20	85.29	18.48	2400				
LORAIN														
2965	MOD LRT150	15 TON	114 HP D	110,593	20.62		5.71	9.98	4.12	438				
2970	MOD LRT180	18 TON	121 HP D	119,257	22.10		6.16	10.76	4.37	450				
2975	MOD LRT330	33 TON	180 HP D	185,929	34.66		9.55	16.56	6.50	570				
P & H														
2985	MOD OMEGA 15	15 TON	125 HP D	112,650	21.39		5.82	10.16	4.51	364				
2990	MOD OMEGA 18	18 TON	125 HP D	115,841	21.82		5.98	10.45	4.51	370				
2995	MOD OMEGA 20	20 TON	125 HP D	119,901	22.38		6.20	10.83	4.51	380				
3000	MOD OMEGA 23	23 TON	125 HP D	136,683	24.91		7.04	12.26	4.51	425				
3005	MOD OMEGA 25	25 TON	155 HP D	174,980	31.71		9.00	15.66	5.60	540				
3010	MOD OMEGA 30	30 TON	155 HP D	180,166	32.41		9.27	16.14	5.60	550				
3015	MOD OMEGA 35	35 TON	155 HP D	186,307	33.23		9.59	16.70	5.60	560				
3020	MOD OMEGA 40	40 TON	202 HP D	251,039	45.13		12.86	22.26	7.29	760				
3025	MOD OMEGA 45	45 TON	202 HP D	259,898	46.31		13.32	23.06	7.29	770				
3030	MOD OMEGA 50	50 TON	202 HP D	269,636	47.63		13.83	23.96	7.29	780				
3035	MOD OMEGA 65	65 TON	235 HP D	347,315	60.40		17.79	30.77	8.48	980				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				OWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CRANES, HYD SELF-PROPELLED (CONT'D) *****														
PETTIBONE														
3045	MOD 16 MK P SERIES	8 TON	118 HP D	100,486	19.37		5.19	9.07	4.26	290				
3050	MOD 20 MK P SERIES	10 TON	118 HP D	103,681	19.87		5.35	9.34	4.26	310				
3055	MOD 25 MK P SERIES	12.5 TON	118 HP D	107,312	20.35		5.54	9.67	4.26	465				
3060	MOD 36 MK P SERIES	18 TON	118 HP D	124,090	22.89		6.38	11.10	4.26	500				
3065	MOD 100SC	50 TON	188 HP D	281,490	48.57		14.44	25.04	6.79	1050				
CRANES, HYDRAULIC TRUCK MOUNTED ***** (HP & FUEL LISTED EQUIP/CARRIER)														
BUCYRUS ERIE														
3075	30-XC	30 TON W/80' BOOM	130/210 HP D/D	202,344	32.20	37.20	10.11	17.05	6.17	18.26				
3080	60-XC	60 TON W/104' BOOM	197/238 HP D/D	352,398	53.36	61.41	17.62	29.80	8.78	31.93				
GROVE														
3090	TMS185	18 TON W/106' BOOM	172 HP D	193,878	33.60	39.80	10.23	18.28	6.21	20.01				
3095	TMS300	35 TON W/112' BOOM	203 HP D	234,434	37.60	43.81	11.70	19.74	7.33	21.15				
3100	TMS475	50 TON W/142' BOOM	213 HP D	292,174	44.87	51.98	14.60	24.66	7.69	26.41				
3105	TM875	80 TON W/146' BOOM	196/268 HP D/D	432,978	62.83	71.53	20.97	34.19	8.96	36.25				
3110	TM1150	115 TON W/172' BOOM	196/315 HP D/D	666,895	90.11	101.58	32.38	53.00	9.29	56.21				
3115	TM1400	140 TON W/173' BOOM	318/387 HP D/D	783,492	107.50	121.00	37.88	58.46	14.20	61.33				
LINK BELT (FMC)														
3125	HTC-25	25 TON W/95' BOOM	216 HP D	191,695	35.53	42.41	10.10	18.03	7.80	19.74				
3130	HTC-35	35 TON W/108' BOOM	216 HP D	225,149	36.91	43.15	11.25	19.02	7.80	20.38				
3135	HTC-50	50 TON W/122' BOOM	244 HP D	274,706	44.12	51.43	13.73	23.21	8.81	24.87				
PETTIBONE														
3145	50TKLSPC 25 TON W/98' BOOM	210 HP D	198,041	35.99	42.85	10.45	18.67	7.58	20.44	9.97				
3150	80TKLS 40 TON W/112' BOOM	244 HP D	252,780	41.60	48.64	12.63	21.32	8.81	22.84	11.59				
3155	110 TK P 55 TON W/114' BOOM	238 HP D	273,446	43.76	51.00	13.66	23.08	8.59	24.73	11.30				
										830				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CRANES, HYDRAULIC TRUCK MTD (CONT'D) ***** (HP & FUEL LISTED EQUIP/CARRIER)														
PETTIBONE (CONT'D)														
3160	160TKLSPC80 TON W/118' BOOM	365 HP D	443,158	69.32	80.18	21.47	35.01	13.18	37.12	17.34	1395			
CRANES, TRUCK MOUNTED ***** (HP & FUEL LISTED EQUIP/CARRIER)														
AMERICAN														
3170	65 TON W/170' BOOM	115/238 HP D/D	372,070	52.47	59.76	18.56	31.29	5.82	33.51	7.41	1175			
3175	75 TON W/170' BOOM	115/238 HP D/D	383,344	52.57	59.34	18.60	30.41	5.82	32.25	7.41	1245			
3180	90 TON W/200' BOOM	213/230 HP D/D	470,694	66.99	76.15	22.86	37.43	9.30	39.70	12.00	1503			
3185	125 TON W/220' BOOM	213/350 HP D/D	538,556	76.20	86.38	26.15	42.78	10.15	45.36	12.98	1696			
3190	165 TON W/240' BOOM	268/350 HP D/D	753,431	100.74	112.96	36.48	56.43	12.13	59.22	15.60	2320			
3195	220 TON W/260' BOOM	287/450 HP D/D	1,011,934	133.32	149.09	48.88	75.33	13.52	79.04	17.32	3480			
LINK BELT (PMC)														
3205	HC108C 50 TON W/150' BOOM	110/238 HP D/D	337,884	48.21	54.97	16.84	28.37	5.64	30.39	7.17	1197			
3210	HC218A 100 TON W/220' BOOM	165/318 HP D/D	516,182	70.96	80.10	25.07	41.04	8.19	43.52	10.44	1688			
3215	HC238A 140 TON W/230' BOOM	171/318 HP D/D	602,246	79.22	88.51	29.13	45.01	8.41	47.23	10.73	2220			
LORAIN														
3225	MC670A 70 TON W/170' BOOM	150/250 HP D/D	391,139	55.16	62.53	18.98	31.03	7.17	32.91	9.17	1243			
3230	MC790 90 TON W/220' BOOM	210/270 HP D/D	478,288	68.22	77.52	23.22	37.99	9.48	40.29	12.19	1594			
3235	MC1400 140 TON W/230' BOOM	220/290 HP D/D	583,211	79.07	88.80	28.21	43.56	9.98	45.71	12.83	1950			
P & H														
3245	325TC 25 TON W/110' BOOM	83/190 HP D/D	243,262	37.46	43.53	12.84	22.93	4.33	25.10	5.50	645			
3250	430ATC 35 TON W/150' BOOM	86/210 HP D/D	272,464	38.50	43.83	13.62	23.03	4.58	24.68	5.80	763			
3255	440TC 40 TON W/170' BOOM	90/228 HP D/D	305,164	42.87	48.77	15.25	25.76	4.85	27.60	6.14	964			
3260	650ATC 50 TON W/150' BOOM	135/236 HP D/D	393,479	55.89	63.76	19.63	33.11	6.53	35.47	8.35	1222			
3265	670TC 70 TON W/180' BOOM	135/255 HP D/D	431,603	59.18	66.81	20.96	34.29	6.66	36.37	8.50	1440			

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

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

(HP & FUEL LISTED EQUIP/CARRIER)														
P & H (CONT'D)														
3270	790BTC	90 TON W/200' BOOM 160/350 HP D/D	483,823	67.49	76.31	23.48	38.38	8.23	40.70	10.47	1606			
3275	9115	125 TON W/220' BOOM 179/350 HP D/D	591,950	80.78	91.10	28.75	47.07	8.92	49.92	11.37	1709			
3280	9150	150 TON W/270' BOOM 210/350 HP D/D	627,510	84.09	94.23	30.36	46.92	10.04	49.23	12.84	1805			
3285	6250TC	300 TON W/320' BOOM 364/450 HP D/D	1,373,754	176.02	196.13	66.53	102.98	16.30	108.08	20.98	3928			
CRANES, TOWER														

AMERICAN PECCO														
MODEL SK135-2 FREE STANDING 60 HP E														
7500# @ 132' RADIUS (L-2)														
3295	7-S16	TOWER SECTS=103 FT HIGH	273,113	44.75		14.34	22.15	3.78			740			
OPT. 14'9-1/4" S16 TOWER SECT														
3300	ADD TO BASIC CRANE FOR EA SECT		11,555	1.45		0.61	0.94	0.00			51			
3305	TOP CLIMBING OPT. ADD TO BASIC		43,551	5.44		2.29	3.53	0.00			118			
MODEL SK200 FREE STANDING 105 HP E														
10600# @ 143' RADIUS (L-2)														
3310	7-S16	TOWER SECTS=103 FT HIGH	343,612	57.78		18.03	27.85	6.61			883			
14'9-1/4" S16 TOWER SECTION														
3315	ADD TO BASIC CRANE FOR EA SECT		11,555	1.45		0.61	0.94	0.00			51			
3320	TOP CLIMBING OPT. ADD TO BASIC		43,551	5.44		2.29	3.53	0.00			118			
MODEL SK400 FREE STANDING 105 HP E														
18500# @ 162' RADIUS (L-2)														
3325	6-S35	TOWER SECTS=116 FT HIGH	419,837	67.31		22.04	34.04	6.61			1216			
OPT. 19'4-1/4" S35 TOWER SECT.														
3330	ADD TO BASIC CRANE FOR EA SECT		14,430	1.80		0.76	1.17	0.00			84			
3335	TOP CLIMBING OPT. ADD TO BASIC		44,105	5.51		2.32	3.58	0.00			223			

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

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

AMERICAN PECCO (CONT'D)												
	MODEL SK560 FREE STANDING 165 HP E 24500# @ 170' RADIUS (L-2)											
3340	6-S213 TOWER SECTS=116 FT HIGH	485,541	81.17	25.49	39.36	10.39			1547			
	OPT. 19'4-1/4" S213 TOWER SECT											
3345	ADD TO BASIC CRANE FOR EA SECT	15,287	1.91	0.81	1.24	0.00			100			
3350	TOP CLIMBING OPT. ADD TO BASIC	85,835	10.72	4.51	6.96	0.00			252			
	MODEL SNG55 FREE STANDING 165 HP E 12300# @ 165' RADIUS (L-2) WITH LUFFING BOOM											
3355	6-SNG5 TOWER SECTS=116 FT HIGH	511,436	84.42	26.85	41.47	10.39			2152			
	OPT. 19'4-1/4" SNG5 TOWER SECT											
3360	ADD TO BASIC CRANE FOR EA SECT	14,430	1.80	0.76	1.17	0.00			84			
3365	TOP CLIMBING OPT. ADD TO BASIC	90,553	11.30	4.75	7.34	0.00			159			
DRILLS, BLAST HOLE, CRAWLER MTD												

GARDNER DENVER												
3375	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	70,121	15.29	4.31	8.51	0.00			91			
3380	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	66,004	14.44	4.06	8.01	0.00			93			
3385	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	72,892	15.85	4.48	8.84	0.00			95			
3390	AT3700A/PR66 ANGLE DRILL 4.0" HOLE 12' FEED	900CFM A	88,657	19.17	5.45	10.76	0.00		146			
3395	ATD5100/PR80H ANGLE DRILL 4.5" HOLE 20' FEED	1200CFM A	98,401	21.23	6.05	11.94	0.00		200			
INGERSOLL-RAND												
3405	ECM350/VL140 3.5" HOLE 12' FEED 750CFM A	77,861	16.89	4.79	9.45	0.00			129			
3410	ECM350/VL671 4.0" HOLE 12' FEED 900CFM A	84,928	18.39	5.22	10.30	0.00			131			
3415	ECM 450Y 3.0" HOLE 12' FEED 100 HP D	118,495	30.00	7.28	14.37	4.46			188			

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

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

JOY-SULLIVAN												
3425	MAVRICK/VCR350 2.5" HOLE 12' FEED 450CFM A	38,957	8.56		2.40	4.73	0.00		60			
3430	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	68,906	15.04		4.24	8.36	0.00		100			
3435	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	80,974	17.54		4.98	9.83	0.00		144			
3440	MUSTANG VCR280 5.0" HOLE 20' FEED1200CFM A	100,066	21.58		6.15	12.14	0.00		184			
3445	STALLION JH-6 5.5" HOLE 20' FEED 165 HP D	215,959	53.75		13.27	26.20	7.37		300			
DRILLS, CORE, AIR, COLUMN MOUNTED												

3455	LONGYEAR 24 WOLVERINE AX 700' 450CFM A	17,778	3.99		1.10	2.16	0.00		12			
3460	LONGYEAR 65D EX 600' 400CFM A	11,434	2.66		0.70	1.38	0.00		3			
3465	65D ROD PULLER 21" STROKE 400CFM A	1,700	0.60		0.11	0.21	0.00		1			
DRILLS, CORE, SKID MOUNTED												

ACKER												
3475	TEREDO MARK-II NX 1000' MAX 44 HP D	29,900	8.61		1.84	3.63	1.96		40			
3480	ACE MODEL C NX 725' MAX 20 HP D	20,262	5.29		1.25	2.46	0.89		45			
LONGYEAR												
3490	MOD 24 STD AX 675' MAX 12 HP G	16,914	4.78		1.04	2.05	1.11		17			
3495	MOD 34 NX 1000' MAX 31 HP G	25,687	8.63		1.58	3.12	2.86		38			
3500	MOD 34 NX 1000' MAX 40 HP D	30,638	8.55		1.88	3.72	1.79		39			
3505	MOD 38 NX 1800' MAX 54 HP D	35,262	10.28		2.17	4.28	2.41		41			
3510	MOD 44 NX 2500' MAX 60 HP D	42,289	12.05		2.60	5.13	2.68		56			
SPRAGUE AND HENWOOD												
3520	MOD 37-H NX 400' MAX 18 HP G	17,835	5.61		1.10	2.16	1.66		18			
3525	MOD 40-CL NX 1050' MAX 49 HP D	27,622	8.43		1.70	3.36	2.19		27			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
DRILLS, ROTARY																			

INGERSOLL-RAND																			
3535	MOD DM-25 6 3/4" DRILLMASTER CRWL. MOUNTED	210 HP D	245,082	49.76		13.11	22.90	9.38		500									
3540	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	322,968	68.27		17.22	29.94	13.57		550									
3545	MOD TH-60 WATER WELL DRILL TRK. MOUNTED	435 HP D	300,444	72.62		16.03	27.90	19.42		460									
JOY-ROBBINS																			
3555	RRT 35 TK MID 6-1/4" TO 7-7/8"	225 HP D	293,586	58.98		15.65	27.19	10.05		600									
3560	RRT 50 TK MID 6-3/4" TO 9-0"	335 HP D	448,653	89.40		23.92	41.58	14.96		860									
3565	RRT 60 TK MID 6-3/4" TO 9-7/8"	350 HP D	477,158	94.61		25.44	44.24	15.63		960									
3570	RR10S MID ON D9H 6-3/4" - 9-0"	410 HP D	339,795	76.32		18.17	31.74	18.31		1160									
3575	RR10HD ON D9H 6-3/4" - 10-5/8"	410 HP D	375,417	81.67		20.08	35.07	18.31		1340									
3580	RR10XHD ON 41B 9-7/8" - 12-1/4"	524 HP D	567,704	100.19		28.11	45.11	23.40		1830									
3585	RR12E CRLR MID 9-0" TO 12-1" 725/450 HP E/E	1,051,481		159.23		52.07	83.55	35.52		2605									
FORK LIFTS																			

CATERPILLAR																			
LC = LOAD CENTER																			
3605	M20 ELECT 2000# @ 24" LC	18 HP E	15,947	4.67		0.97	1.90	1.13		54									
3610	M25 ELECT 2500# @ 24" LC	18 HP E	16,034	4.69		0.98	1.91	1.13		54									
3615	MC30 ELECT 3000# @ 24" LC	18 HP E	16,687	4.81		1.01	1.97	1.13		85									
3620	M40B ELECT 4000# @ 24" LC	32 HP E	23,177	7.33		1.41	2.75	2.02		95									
3625	M50B ELECT 5000# @ 24" LC	32 HP E	23,622	7.42		1.44	2.81	2.02		102									
3630	MC60B ELECT 6000# @ 24" LC	47 HP E	25,950	9.22		1.58	3.09	2.96		123									
3635	M70B ELECT 7000# @ 24" LC	53 HP E	32,254	10.98		1.96	3.83	3.34		134									
3640	M80B ELECT 8000# @ 24" LC	53 HP E	33,735	11.26		2.06	4.02	3.34		142									
3645	M100B ELECT 10000# @ 24" LC	53 HP E	35,557	11.59		2.18	4.26	3.34		160									
3650	V30D GAS 3000# @ 24" LC	37 HP G	15,393	6.37		0.94	1.85	2.78		37									

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

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

CATERPILLAR (CONT'D)												
3655	V40C GAS 4000# @ 24" LC	48 HP G	20,528	8.39	1.24	2.42	3.61		41			
3660	V50C GAS 5000# @ 24" LC	48 HP G	20,946	8.51	1.26	2.44	3.61		45			
3665	V60E GAS 6000# @ 24" LC	63 HP G	29,019	11.41	1.77	3.44	4.74		52			
3670	V70E GAS 7000# @ 24" LC	63 HP G	29,328	11.47	1.79	3.48	4.74		56			
3675	V80E GAS 8000# @ 24" LC	63 HP G	30,495	11.69	1.86	3.62	4.74		59			
3680	V110 GAS 11000# @ 24" LC	66 HP G	43,895	14.53	2.68	5.22	4.97		82			
3685	V150 DIESEL 15000# @ 24" LC	70 HP D	47,249	12.14	2.88	5.62	2.53		92			
3690	V180B DIESEL 18000# @ 24" LC	125 HP D	62,629	17.59	3.80	7.35	4.51		114			
3695	V200B DIESEL 20000# @ 24" LC	125 HP D	68,227	18.65	4.14	8.03	4.51		124			
3700	V250B DIESEL 25000# @ 24" LC	125 HP D	69,931	18.95	4.25	8.26	4.51		154			
3705	V300B DIESEL 30000# @ 24" LC	125 HP D	78,527	20.64	4.76	9.21	4.51		165			
3710	R40 DIESEL 4000# @ 24" LC	68 HP D	27,151	8.24	1.64	3.18	2.45		107			
3715	R50 DIESEL 5000# @ 24" LC	68 HP D	27,801	8.37	1.69	3.27	2.45		112			
3720	R60 DIESEL 6000# @ 24" LC	68 HP D	33,662	9.47	2.04	3.97	2.45		128			
3725	R80 DIESEL 8000# @ 24" LC	68 HP D	34,931	9.73	2.11	4.10	2.45		138			
HYSTER - CHALLENGER												
3735	H30XL 3000# @ 24" LC	63 HP G	15,772	8.92	0.96	1.85	4.74		58			
3740	H60XL 6000# @ 24" LC	80 HP G	22,713	11.82	1.39	2.69	6.02		91			
3745	H110F 11000# @ 24" LC	116 HP G	44,792	19.33	2.73	5.33	8.73		163			
3750	H150H 15000# @ 24" LC	127 HP G	61,137	23.57	3.70	7.17	9.56		234			
3755	H200HS20000# @ 24" LC	PS 127 HP G	71,597	25.56	4.35	8.44	9.56		256			
3760	H250H 25000# @ 24" LC	PS 127 HP G	71,714	25.61	4.35	8.42	9.56		295			
3765	H300B 30000# @ 24" LC	PS 127 HP G	77,168	26.59	4.69	9.11	9.56		360			
3770	H460CS46000# @ 36" LC	PS 190 HP G	159,283	48.19	9.67	18.80	14.30		590			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP												
			AVERAGE	SEVERE															
GENERATOR SETS, ELECTRIC *****																			
CATERPILLAR T = TURBOCHARGED TA = TURBOCHARGED AFTER COOLED																			
SKID MOUNTED																			
3785	MOD 3304B-T	240/480V 100 KW	148 HP D	16,597	10.28	13.05	1.13	2.44	5.34	2.70	7.03	37							
3790	MOD 3306B-T	240/480V 125 KW	187 HP D	21,764	13.17	16.69	1.47	3.19	6.75	3.54	8.88	46							
3795	MOD 3306B-TA	240/480V 150 KW	220 HP D	23,476	15.02	19.09	1.59	3.44	7.94	3.82	10.45	48							
3800	MOD 3406B-T	240/480V 200 KW	290 HP D	25,183	18.53	23.65	1.70	3.69	10.47	4.09	13.77	57							
3805	MOD 3406B-TA	240/480V 250 KW	370 HP D	28,837	22.93	29.31	1.95	4.23	13.36	4.68	17.57	59							
3810	MOD 3408B-T	240/480V 255 KW	370 HP D	34,220	24.11	30.72	2.31	5.02	13.36	5.56	17.57	77							
3815	MOD 3408B-TA	240/480V 310 KW	450 HP D	38,185	28.56	36.47	2.59	5.60	16.24	6.21	21.37	81							
3820	MOD 3412B-T	240/480V 355 KW	500 HP D	46,190	32.57	41.49	3.13	6.78	18.05	7.50	23.75	91							
3825	MOD 3412B-TA	240/480V 455 KW	650 HP D	62,787	42.93	54.66	4.25	9.21	23.46	10.20	30.87	102							
3830	MOD 3508	240/480V 600 KW	845 HP D	83,677	56.27	71.60	5.67	12.28	30.50	13.60	40.14	140							
3835	MOD 3512	240/480V 900 KW	1250 HP D	113,782	81.03	103.29	7.70	16.69	45.12	18.48	59.37	202							
3840	MOD 3516	480V 1100 KW	1450 HP D	149,612	97.89	124.43	10.12	21.95	52.34	24.31	68.87	256							
KOHLER																			
3850	2.25MBM25	PORTABLE 2.25 KW	5 HP G	676	0.62	0.79	0.05	0.10	0.38	0.11	0.49	1							
3855	3.5MM65	PORTABLE 3.50 KW	8 HP G	1,065	0.97	1.24	0.07	0.15	0.60	0.17	0.78	2							
3860	5MM65	PORTABLE 5.00 KW	12 HP G	1,383	1.43	1.83	0.10	0.21	0.90	0.23	1.18	2							
ONAN																			
SKID MOUNTED																			
3875		120/240V 2.5 KW	6 HP G	1,434	0.88	1.10	0.10	0.21	0.45	0.23	0.59	2							
3880		120/240V 6.5 KW	14 HP G	3,234	2.01	2.55	0.22	0.47	1.05	0.53	1.37	3							
3885		120/240V 10.0 KW	20 HP G	3,532	2.64	3.36	0.24	0.52	1.50	0.58	1.96	4							
3890		120/240V 3.0 KW	6 HP D	3,741	1.09	1.33	0.25	0.54	0.22	0.61	0.28	4							
3895		120/240V 6.0 KW	12 HP D	4,966	1.63	2.01	0.34	0.73	0.43	0.81	0.57	5							
3900		120/240V 12.0 KW	22 HP D	7,148	2.56	3.15	0.49	1.05	0.79	1.16	1.04	7							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES				ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.								
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL						
GENERATOR SETS, ELECTRIC (CONT'D) *****															
ONAN (CONT'D)															
3905	120/240V 15 KW	27 HP D	7,315	2.81	3.50	0.49	1.07	0.97	1.19	1.28	14				
3910	120/240V 30 KW	63 HP D	10,853	5.21	6.55	0.74	1.59	2.27	1.77	2.99	19				
3915	120/240V 45 KW	87 HP D	14,351	7.05	8.86	0.97	2.10	3.14	2.33	4.13	25				
3920	120/240V 60 KW	102 HP D	16,499	8.20	10.30	1.12	2.42	3.68	2.68	4.84	26				
3925	120/240V 75 KW	162 HP D	19,635	11.58	14.66	1.33	2.88	5.85	3.19	7.69	30				
3930	120/240V 90 KW	162 HP D	20,575	11.79	14.91	1.39	3.02	5.85	3.35	7.69	30				
3935	120/240V 125 KW	210 HP D	23,781	14.64	18.56	1.61	3.49	7.58	3.86	9.97	50				
3940	120/240V 150 KW	276 HP D	28,170	18.56	23.60	1.90	4.13	9.96	4.57	13.11	65				
OVERLOWE															
3950	KP2250R PORTABLE	2.25 KW	5 HP G	891	0.67	0.85	0.06	0.13	0.38	0.15	0.49				
3955	KP3000BC PORTABLE	3.00 KW	7 HP G	969	0.87	1.11	0.07	0.14	0.53	0.16	0.69				
3960	KP3750BIC PORTABLE	3.75 KW	8 HP G	1,364	1.04	1.32	0.10	0.20	0.60	0.22	0.78				
3965	KP5000BIC PORTABLE	5.00 KW	10 HP G	1,725	1.31	1.67	0.12	0.25	0.75	0.28	0.98				
3970	KP6500BICB PORTABLE	6.50 KW	16 HP G	1,809	1.88	2.43	0.12	0.26	1.20	0.30	1.57				
3975	KP7500BICB PORTABLE	7.50 KW	16 HP G	1,711	1.87	2.40	0.12	0.25	1.20	0.28	1.57				
GRADERS, MOTOR *****															
CATERPILLAR															
3990	MOD 120-G POWER SHIFT ARTIC	125 HP D	100,050	21.14	26.24	5.75	10.24	4.16	11.50	5.46	272				
3995	MOD 130-G POWER SHIFT ARTIC	135 HP D	113,910	23.71	29.40	6.54	11.68	4.49	13.12	5.90	293				
4000	MOD 12-G POWER SHIFT ARTIC	135 HP D	122,937	25.11	31.12	7.07	12.61	4.49	14.16	5.90	316				
4005	MOD 140-G POWER SHIFT ARTIC	150 HP D	125,152	26.15	32.46	7.19	12.81	4.99	14.39	6.55	318				
4010	MOD 14-G POWER SHIFT ARTIC	180 HP D	175,659	35.59	44.13	10.05	17.81	5.98	19.98	7.87	441				
4015	MOD 16-G POWER SHIFT ARTIC	250 HP D	251,411	50.69	62.84	14.36	25.43	8.31	28.53	10.92	581				

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

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

CHAMPION																			
4025	MOD 710A	ARTICULATED	125 HP D	97,321	20.74	25.77	5.58	9.94	4.16	11.16	5.46	296							
4030	MOD 715A	ARTICULATED	144 HP D	110,368	23.61	29.35	6.33	11.28	4.79	12.67	6.29	306							
4035	MOD 720A	ARTICULATED	148 HP D	116,995	24.84	30.89	6.71	11.94	4.92	13.41	6.47	340							
4040	MOD 740A	ARTICULATED	181 HP D	127,292	27.86	34.67	7.31	13.04	6.02	14.65	7.91	355							
4045	MOD 710	NON-ARTICULATED	125 HP D	91,516	19.84	24.69	5.24	9.33	4.16	10.48	5.46	280							
4050	MOD 715	NON-ARTICULATED	144 HP D	101,392	22.23	27.68	5.81	10.34	4.79	11.61	6.29	285							
4055	MOD 720	NON-ARTICULATED	148 HP D	106,796	23.28	29.00	6.12	10.88	4.92	12.22	6.47	315							
4060	MOD 740	NON-ARTICULATED	181 HP D	116,608	26.26	32.75	6.69	11.90	6.02	13.36	7.91	330							
4065	MOD 760	NON-ARTICULATED	230 HP D	146,927	33.43	41.73	8.39	14.82	7.65	16.62	10.05	390							
FIAT-ALLIS																			
4075	MOD-65B	DIRECT DRIVE	68 HP D	53,808	11.35	14.10	3.10	5.54	2.26	6.23	2.97	135							
4080	MOD-FG75	POWER SHIFT	130 HP D	77,992	18.00	22.47	4.47	7.93	4.32	8.90	5.68	300							
4085	MOD-FG85	POWER SHIFT	145 HP D	85,960	19.92	24.89	4.92	8.73	4.82	9.80	6.34	310							
4090	MOD-FG95	POWER SHIFT	160 HP D	90,199	21.39	26.77	5.14	9.08	5.32	10.18	6.99	330							
GALION																			
4100	MOD 503-L	CONSTANT MESH	68 HP G	45,790	12.76	15.97	2.63	4.70	4.73	5.29	6.12	115							
4105	MOD T-500C	POWER SHIFT	145 HP D	98,791	21.84	27.18	5.67	10.11	4.82	11.35	6.34	281							
4110	MOD A-600	POWER SHIFT	186 HP D	122,571	27.35	34.09	7.04	12.54	6.18	14.09	8.13	321							
HOISTS																			

BEEBE - AIR TUGGERS																			
4120	2000P110-24	1.0 T 225 CPM RQD		5,935	1.28		0.37	0.72	0.00		5								
4125	5000P120-24	2.5 T 500 CPM RQD		9,482	2.07		0.58	1.14	0.00		16								
4130	10000P 50-24	5.0 T 500 CPM RQD		11,464	2.58		0.71	1.39	0.00		22								
4135	20000P 50-40	10.0 T 850 CPM RQD		29,692	6.31		1.83	3.59	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	ADJUSTABLE ELEMENTS								
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
HOISTS (CONT'D)														

SKAGIT														
4145	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	70,036	18.41		4.31	8.47	3.61		85				
4150	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	94,631	23.30		5.82	11.44	3.61		126				
4155	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	145,492	34.76		8.94	17.59	4.69		240				
4160	RB-90W DOUBLE DRUM W/1-3/8" CABLE	150 HP D	161,742	38.88		9.94	19.55	5.41		300				
HYDRAULIC EXCAVATOR, CRAWLER MOUNTED														

T/B = TELESCOPING BOOM														
B/H = BACKHOE														
AMERICAN														
4175	MOD 185	1.00 CY B/H	103 HP D	109,941	29.16	39.17	7.37	14.97	3.42	18.53	4.50	410		
4180	MOD 25A	1.38 CY B/H	185 HP D	185,299	44.34	56.43	11.38	22.37	6.15	26.21	8.08	660		
4185	MOD 480	2.00 CY B/H	300 HP D	275,510	66.92	85.22	16.93	33.26	9.97	38.98	13.11	975		
4190	MOD 680	4.00 CY B/H	456 HP D	439,037	99.14	122.23	25.10	48.23	15.16	54.70	19.93	1647		
BADGER (HOPTO)														
4200	MOD 211	1.25 CY B/H	160 HP D	158,274	37.95	48.31	9.73	19.11	5.32	22.39	6.99	530		
4205	MOD 311	1.88 CY B/H	235 HP D	227,882	54.84	69.80	14.01	27.52	7.81	32.24	10.27	745		
4210	MOD 900B	2.00 CY B/H	308 HP D	274,950	62.99	77.75	15.72	30.20	10.24	34.26	13.46	1015		
4215	MOD 1900	5.00 CY B/H	616 HP D	573,862	130.40	160.82	32.81	63.04	20.48	71.49	26.92	2050		
BUCYRUS ERIE														
4225	MOD 300-H	1.00 CY B/H	176 HP D	176,571	47.33	63.54	11.83	24.05	5.85	29.75	7.69	546		
4230	MOD 325-H	1.75 CY B/H	205 HP D	244,456	56.95	72.40	15.02	29.52	6.82	34.58	8.96	774		
4235	MOD 350-H	2.50 CY B/H	248 HP D	308,105	71.36	90.72	18.93	37.20	8.25	43.59	10.84	1000		
4240	MOD 400-H	4.25 CY B/H	392 HP D	516,148	110.72	136.02	29.52	56.71	13.03	64.31	17.13	1575		
CASE														
4250	MOD 880C "E" BOOM .63 CY	B/H	125 HP D	103,151	28.67	38.46	6.91	14.05	4.16	17.38	5.46	310		
4255	MOD 980B	1.00 CY B/H	165 HP D	128,444	36.13	48.45	8.61	17.50	5.49	21.64	7.21	445		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
HYDRAULIC EXCAVATOR, CRLR MTD (CONT'D)														
***** T/B = TELESCOPING BOOM B/H = BACKHOE														
CASE (CONT'D)														
4260	MOD 1280	1.25 CY	B/H	200 HP	D	149,905	37.89	48.29	9.21	18.10	6.65	21.20	8.74	505
CATERPILLAR														
4270	MOD 215	.75 CY	B/H	90 HP	D	124,421	31.80	42.71	8.34	16.95	2.99	20.96	3.93	387
4275	MOD 225	1.00 CY	B/H	135 HP	D	154,109	40.46	54.33	10.33	20.99	4.49	25.96	5.90	504
4280	MOD 235	1.50 CY	B/H	195 HP	D	278,791	63.40	80.53	17.13	33.66	6.48	39.44	8.52	891
4285	MOD 245	2.50 CY	B/H	325 HP	D	434,319	99.61	126.58	26.69	52.44	10.81	61.44	14.20	1385
GRADALL														
4300	MOD G-660	.63 CY	T/B	115 HP	D	156,332	40.04	53.80	10.48	21.30	3.82	26.34	5.03	450
4305	MOD G-880B	.75 CY	T/B	160 HP	D	192,125	50.07	67.24	12.88	26.18	5.32	32.37	6.99	533
4310	MOD G-1000	1.25 CY	T/B	272 HP	D	264,126	63.54	80.88	16.23	31.89	9.04	37.36	11.89	787
INSLEY														
4325	MOD H1000C	1.25 CY	B/H	180 HP	D	146,527	36.41	46.40	9.01	17.69	5.98	20.73	7.87	517
4330	MOD H2500C	2.25 CY	B/H	290 HP	D	265,232	64.48	82.09	16.29	32.02	9.64	37.52	12.67	931
4335	MOD H3500C	3.50 CY	B/H	390 HP	D	372,866	84.31	103.94	21.32	40.96	12.97	46.45	17.04	1276
JOHN DEERE														
4345	MOD 690 B	.875 CY	B/H	131 HP	D	113,580	31.27	41.94	7.61	15.47	4.36	19.13	5.72	430
4350	MOD 890 A	.50 CY	B/H	210 HP	D	237,945	55.85	71.03	14.62	28.73	6.98	33.66	9.18	880
4355	MOD 990	1.875 CY	B/H	260 HP	D	269,165	64.07	81.52	16.54	32.50	8.64	38.08	11.36	910
KOEHRING														
4365	MOD 166 BANTAM	.88 CY	B/H	108 HP	D	115,456	30.62	41.11	7.74	15.73	3.59	19.45	4.72	374
4370	MOD 266 BANTAM	1.13 CY	B/H	143 HP	D	153,471	40.69	54.62	10.29	20.91	4.75	25.86	6.25	514
4375	MOD 366 BANTAM	1.25 CY	B/H	210 HP	D	185,018	45.29	57.68	11.37	22.34	6.98	26.17	9.18	612
4380	MOD 566	1.50 CY	B/H	240 HP	D	270,050	63.46	80.70	16.60	32.61	7.98	38.20	10.49	834

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
HYDRAULIC EXCAVATOR, CRLR MTD (CONT'D)														
***** T/B = TELESCOPING BOOM B/H = BACKHOE														
KOEHRING (CONT'D)														
4385	MOD 666E	2.00 CY B/H 307 HP D	336,153	79.30	100.88	20.65	40.58	10.21	47.55	13.42	1075			
4390	MOD 866E	3.25 CY B/H 332 HP D	432,278	92.86	114.11	24.71	47.48	11.04	53.86	14.51	1306			
4395	MOD 1066E	4.00 CY B/H 420 HP D	537,189	115.70	142.20	30.71	59.01	13.96	66.93	18.35	1640			
4400	MOD 1166E	5.00 CY B/H 464 HP D	598,267	128.71	158.17	34.21	65.72	15.43	74.54	20.28	1890			
4405	MOD 1266	5.50 CY B/H 664 HP D	870,930	181.26	217.39	47.19	86.52	22.08	95.68	29.02	2600			
4410	MOD 1466	9.00 CY B/H 832 HP D	1,017,063	213.99	256.94	55.10	101.03	27.66	111.73	36.36	2900			
UNIT														
4425	MOD H202CT SER II	1.25 CY B/H 152 HP D	144,863	39.19	52.57	9.71	19.74	5.05	24.40	6.64	475			
4430	MOD H342	1.63 CY B/H 228 HP D	234,999	55.98	71.21	14.44	28.37	7.58	33.24	9.96	723			
4435	MOD H471	1.75 CY B/H 304 HP D	291,138	70.21	89.36	17.89	35.15	10.11	41.18	13.28	972			
HYDRAULIC EXCAVATOR, TRUCK MOUNTED														
***** (HP & FUEL LISTED EQUIP/CARRIER) T/B = TELESCOPING BOOM B/H = BACKHOE														
GRADALL														
4445	MOD G-660	.63 CY T/B 123/235 HP D/G	162,176	30.86	36.91	8.55	15.25	7.12	16.69	9.33	422			
4450	MOD G-880	.75 CY T/B 160/210 HP D/D	211,778	37.35	44.06	11.17	19.95	7.25	21.84	9.32	530			
4455	MOD G-1000	1.25 CY T/B 272/312 HP D/D	290,417	50.10	58.55	14.51	24.51	12.01	26.27	15.48	724			
LAND CLEARING EQUIPMENT														
***** (ADD TO TRACTOR)														
4465	FLECO LAND CLEARING RAKE FOR	123/235 D/G	18,393	3.74	4.70	1.13	2.22	0.00	2.61	0.00	67			
4470	FLECO LAND CLEARING RAKE FOR	160/210 D/D	24,141	4.90	6.16	1.48	2.92	0.00	3.43	0.00	98			
4475	FLECO LAND CLEARING RAKE FOR	272/312 D/D	35,832	7.26	9.12	2.20	4.34	0.00	5.09	0.00	138			
4480	FLECO CLAMP RAKE FOR CAT 973	(ADD TO 977 LOADER)	18,461	3.90	4.85	1.14	2.24	0.00	2.62	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	SEVERE	OWNER-SHIP	AVERAGE COND. FUEL	SEVERE COND. FUEL	
	LIGHTING SETS, TRAILER MOUNTED *****									
	ALLMAND METALLIC VAPOR									
4490	MAXI-LITE III 4/1000W	13,510	5.16		0.89	1.80	0.71			29
	OVER-LOWE METALLIC VAPOR									
4500	TM 352 2/1000W 3 KW	10,724	3.74		0.71	1.42	0.28			17
4505	TM 354 4/1000W 6 KW	14,173	5.21		0.94	1.89	0.57			22
4510	TM 356 6/1000W 8 KW	16,688	6.19		1.11	2.24	0.71			24
	LOADERS, BELT *****									
	KOLMAN									
4520	101XHD 24"X50' 355 T/HR	29,033	7.86	10.24	1.75	3.25	1.01	3.76	1.33	116
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4530	PLATE FEEDER DOZER TRAP MODEL 45	5,251	1.08	1.36	0.33	0.62	0.00	0.72	0.00	37
4535	BELT FEEDER DOZER TRAP MODEL 65	6,488	1.33	1.67	0.40	0.76	0.00	0.88	0.00	36
4540	WING WALLS STATIONARY	1,212	0.25	0.31	0.07	0.14	0.00	0.16	0.00	9
4545	TUNNEL EXTENSION W/WING WALLS	5,919	1.21	1.53	0.36	0.69	0.00	0.81	0.00	61
4550	SINGLE DECK SCREEN SB-70 7'X42	5,180	1.05	1.34	0.32	0.60	0.00	0.71	0.00	19
4555	DOUBLE DECK SCREEN DC-70-42 7'X42	6,314	1.29	1.63	0.39	0.74	0.00	0.86	0.00	27
4560	TRIPLE DECK SCREEN TC-70-42 7'X42	9,174	1.88	2.37	0.56	1.07	0.00	1.25	0.00	34
4565	XHD CONVEYOR JACKLEG	821	0.17	0.22	0.06	0.10	0.00	0.12	0.00	9
4570	101XHD 30"X50' 615 T/HR	31,404	9.14	11.97	1.89	3.49	1.52	4.06	1.99	135
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4580	PLATE FEEDER DOZER TRAP MODEL 45	6,224	1.28	1.61	0.39	0.73	0.00	0.85	0.00	42
4585	BELT FEEDER DOZER TRAP MODEL 65	6,871	1.41	1.78	0.43	0.81	0.00	0.94	0.00	40
4590	WING WALLS STATIONARY	1,212	0.25	0.31	0.07	0.14	0.00	0.16	0.00	9
4595	TUNNEL EXTENSION W/WING WALLS	5,919	1.21	1.53	0.36	0.69	0.00	0.81	0.00	61
4600	SINGLE DECK SCREEN SB-80 8'X48	5,907	1.21	1.53	0.36	0.69	0.00	0.81	0.00	23

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

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

KOLMAN (CONT'D)										
4605	DOUBLE DECK SCREEN DC-80-48 8'X48	8,198	1.68	2.12	0.50	0.96	0.00	1.12	0.00	35
4610	TRIPLE DECK SCREEN TC-80-48 8'X48	10,256	2.10	2.65	0.63	1.20	0.00	1.40	0.00	43
4615	XHD CONVEYOR JACKLEG	821	0.17	0.22	0.06	0.10	0.00	0.12	0.00	9
4620	101XHD 36"X50' 910 T/HR 56 HP D	36,102	10.99	14.44	2.16	3.98	2.02	4.62	2.66	160
OPTIONAL EQUIPMENT SELECT AS NEEDED										
4630	PLATE FEEDER DOZER TRAP MODEL 45	6,588	1.35	1.70	0.40	0.77	0.00	0.90	0.00	45
4635	BELT FEEDER DOZER TRAP MODEL 65	7,355	1.51	1.90	0.46	0.86	0.00	1.00	0.00	42
4640	WING WALLS STATIONARY	1,212	0.25	0.31	0.07	0.14	0.00	0.16	0.00	9
4645	TUNNEL EXTENSION W/WING WALLS	5,919	1.21	1.53	0.36	0.69	0.00	0.81	0.00	61
4650	SINGLE DECK SCREEN SB-90 9'X54	6,846	1.40	1.76	0.42	0.80	0.00	0.93	0.00	28
4655	DOUBLE DECK SCREEN DC-90-54 9'X54	9,801	2.01	2.53	0.60	1.15	0.00	1.34	0.00	43
4660	TRIPLE DECK SCREEN TC-90-54 9'X54	12,580	2.57	3.24	0.77	1.47	0.00	1.71	0.00	54
4665	XHD CONVEYOR JACKLEG	821	0.17	0.22	0.06	0.10	0.00	0.12	0.00	9
4670	101XHD 42"X50' 1260 T/HR 84 HP D	46,669	14.88	19.60	2.79	5.14	3.03	5.96	3.99	180
OPTIONAL EQUIPMENT SELECT AS NEEDED										
4680	PLATE FEEDER DOZER TRAP MODEL 45	7,711	1.58	1.99	0.47	0.90	0.00	1.05	0.00	48
4685	BELT FEEDER DOZER TRAP MODEL 65	10,097	2.07	2.60	0.62	1.18	0.00	1.37	0.00	45
4690	WING WALLS STATIONARY	1,212	0.25	0.31	0.07	0.14	0.00	0.16	0.00	9
4695	TUNNEL EXTENSION W/WING WALLS	5,919	1.21	1.53	0.36	0.69	0.00	0.81	0.00	61
4700	SINGLE DECK SCREEN SB-100 60"X10'	8,842	1.81	2.29	0.54	1.03	0.00	1.21	0.00	37
4705	DOUBLE DECK SCREEN DC-100 60"X10'	11,315	2.32	2.93	0.70	1.33	0.00	1.55	0.00	55
4710	TRIPLE DECK SCREEN TC-100 60"X10'	17,502	3.59	4.52	1.08	2.05	0.00	2.39	0.00	68
4715	XHD CONVEYOR JACKLEG	821	0.17	0.22	0.06	0.10	0.00	0.12	0.00	9
4720	101XHD 48"X50' 1700 T/HR 128 HP D	82,312	24.40	31.81	4.96	9.23	4.62	10.73	6.08	265
OPTIONAL EQUIPMENT SELECT AS NEEDED										
4730	PLATE FEEDER DOZER TRAP MODEL 45	11,226	2.30	2.90	0.69	1.31	0.00	1.53	0.00	51
4735	WING WALLS STATIONARY	1,212	0.25	0.31	0.07	0.14	0.00	0.16	0.00	9

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
LOADERS, BELT (CONT'D) *****																			
KOLMAN (CONT'D)																			
4740	TUNNEL EXTENSION W/WING WALLS	6,269	1.28	1.62	0.39	0.73	0.00	0.86	0.00	66									
4745	SINGLE DECK SCREEN SB-120 60"X12"	10,424	2.13	2.70	0.64	1.22	0.00	1.43	0.00	53									
4750	DOUBLE DECK SCREEN DC-120 60"X12"	15,307	3.13	3.96	0.94	1.79	0.00	2.09	0.00	77									
4755	TRIPLE DECK SCREEN TC-120 60"X12"	21,640	4.43	5.59	1.33	2.53	0.00	2.95	0.00	80									
4760	XHD CONVEYOR JACKLEG	821	0.17	0.22	0.06	0.10	0.00	0.12	0.00	9									
4765	303 48"X50' 2000 CY/HR	125 HP D	143,812	39.36	51.79	8.61	15.89	4.51	18.45	5.94									
4770	303 48"X60' 2000 CY/HR	185 HP D	159,976	45.53	59.77	9.60	17.77	6.68	20.64	8.79									
4775	303 60"X50' 3600 CY/HR	185 HP D	165,281	48.36	64.12	9.86	18.09	6.68	20.98	8.79									
4780	303 60"X60' 3600 CY/HR	290 HP D	190,394	59.49	78.95	11.35	20.83	10.47	24.16	13.77									
4785	404 48"X50' 2000 CY/HR	185 HP D	177,980	49.14	64.26	10.71	19.89	6.68	23.11	8.79									
4790	404 48"X60' 2000 CY/HR	185 HP D	188,060	51.29	67.03	11.33	21.06	6.68	24.48	8.79									
4795	404 60"X50' 3600 CY/HR	290 HP D	213,513	63.08	82.96	12.82	23.73	10.47	27.56	13.77									
4800	404 60"X60' 3600 CY/HR	290 HP D	236,272	68.87	90.80	14.17	26.19	10.47	30.41	13.77									
OPTIONAL EQUIPMENT SELECT AS NEEDED																			
4810	SINGLE DECK SCREEN SB-120 72"X12"		13,597	2.78	3.52	0.83	1.59	0.00	1.86	0.00									
4815	DOUBLE DECK SCREEN DC-120 72"X12"		17,872	3.66	4.61	1.10	2.09	0.00	2.43	0.00									
4820	TRIPLE DECK SCREEN TC-120 72"X12"		20,460	4.20	5.28	1.26	2.40	0.00	2.79	0.00									
4825	SINGLE DECK VIBRATING GRIZZLE 72"W		20,537	4.20	5.30	1.26	2.40	0.00	2.80	0.00									
LOADERS, FRONT END, CRAWLER TYPE *****																			
CASE																			
4835	350 B 3/4 CY	39 HP D	39,465	11.61	14.52	2.43	4.78	1.52	5.61	2.00									
4840	450 B 1 CY	53 HP D	49,326	14.73	18.44	3.03	5.98	2.06	7.01	2.72									
4845	850C 1-1/2 CY	78 HP D	66,272	20.16	25.25	4.07	8.03	3.04	9.41	4.00									
4850	1150 C 1-3/4 CY	105 HP D	90,186	27.38	34.29	5.55	10.93	4.09	12.80	5.39									
4855	1450 B 2-1/4 CY	140 HP D	106,529	33.18	41.63	6.54	12.90	5.45	15.13	7.18									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.E., CRAWLER TYPE (CONT'D) *****														
CATERPILLAR														
4865	931B	1 CY	65 HP D	44,093	14.11	17.73	2.71	5.34	2.53	6.26	3.33	171		
4870	943	1-1/2 CY	80 HP D	78,730	23.27	29.10	4.84	9.54	3.12	11.18	4.10	255		
4875	953	2 CY	110 HP D	98,295	29.59	37.05	6.04	11.90	4.28	13.96	5.64	300		
4880	963	2-1/2 CY	150 HP D	129,452	39.25	49.15	7.96	15.68	5.84	18.38	7.69	394		
4885	973	3-3/4 CY	210 HP D	193,435	57.90	72.46	11.88	23.43	8.18	27.47	10.77	534		
FIAT-ALLIS														
4895	FL5	1 CY	63 HP D	41,459	13.37	16.81	2.55	5.02	2.45	5.89	3.23	165		
4900	FL7	1-1/4 CY	78 HP D	48,965	15.99	20.10	3.01	5.93	3.04	6.95	4.00	198		
4905	FL9	1-5/8 CY	87 HP D	59,045	18.91	23.75	3.63	7.15	3.39	8.39	4.46	272		
4910	FL10C	2 CY	122 HP D	76,062	24.88	31.29	4.67	9.21	4.75	10.80	6.26	310		
4915	FL14C	2-5/8 CY	150 HP D	99,754	32.09	40.32	6.13	12.08	5.84	14.17	7.69	410		
4920	FL20	3-1/2 CY	223 HP D	143,654	46.61	58.57	8.83	17.41	8.69	20.40	11.44	605		
INTERNATIONAL														
4930	100-E	1-1/8 CY	65 HP D	51,013	15.78	19.80	3.14	6.18	2.53	7.25	3.33	161		
4935	125-E	1-3/8 CY	78 HP D	61,058	18.91	23.70	3.76	7.40	3.04	8.67	4.00	199		
4940	175-C	2 CY	130 HP D	97,178	30.40	38.14	5.98	11.78	5.06	13.80	6.67	338		
4945	250-C	2-3/4 CY	190 HP D	141,931	44.41	55.71	8.72	17.19	7.40	20.15	9.75	452		
JOHN DEERE														
4955	JD350-C	3/4 CY	42 HP D	37,861	11.38	14.25	2.32	4.58	1.64	5.38	2.15	119		
4960	JD455-D	1-1/4 CY	67 HP D	50,078	15.67	19.66	3.08	6.07	2.61	7.11	3.44	172		
4965	JD555-A	1-3/8 CY	78 HP D	61,889	19.11	23.95	3.80	7.50	3.04	8.79	4.00	188		
KOMATSU														
4975	D31S-17	1.3 CY	66 HP D	44,484	14.27	17.93	2.74	5.39	2.57	6.32	3.39	156		
4980	D41S-3	1.6 CY	90 HP D	61,258	19.60	24.61	3.76	7.42	3.51	8.70	4.62	262		
4985	D53S-16	1.8 CY	110 HP D	79,411	25.05	31.42	4.88	9.62	4.28	11.27	5.64	300		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
LOADERS, F.E., CRAWLER TYPE (CONT'D) *****													
KOMATSU (CONT'D)													
4990	D57S-1	2.1 CY	135 HP D	97,144	30.66	38.49	5.96	11.76	5.26	13.80	6.93	337	
4995	D75S-3	3.3 CY	200 HP D	140,482	44.59	55.99	8.63	17.01	7.79	19.95	10.26	485	
5000	D155S-1	5.9 CY	350 HP D	281,290	86.59	108.53	17.28	34.07	13.63	39.94	17.95	950	
LOADERS, FRONT END, WHEEL TYPE *****													
(ARTIC = ARTICULATED)													
BOBCAT													
5010	MOD 310	5 CWT. SKID STEER	16 HP G	8,174	3.17	4.09	0.50	0.93	1.20	1.09	1.57	18	
5015	MOD 313	5 CWT. SKID STEER	13 HP D	9,545	2.50	3.21	0.58	1.09	0.47	1.27	0.62	19	
5020	MOD 540	8 CWT. SKID STEER	23 HP G	11,626	4.50	5.76	0.71	1.34	1.73	1.56	2.25	31	
5025	MOD 543	8 CWT. SKID STEER	22 HP D	12,965	3.59	4.57	0.80	1.50	0.79	1.74	1.04	33	
5030	MOD 641	10 CWT. SKID STEER	28 HP D	15,295	4.34	5.54	0.94	1.77	1.01	2.05	1.33	39	
5035	MOD 642	10 CWT. SKID STEER	32 HP G	14,213	5.88	7.54	0.87	1.64	2.41	1.90	3.14	38	
5040	MOD 742	13 CWT. SKID STEER	34 HP G	16,364	6.47	8.30	1.00	1.88	2.56	2.20	3.33	45	
5045	MOD 743	13 CWT. SKID STEER	36 HP D	17,553	5.17	6.60	1.08	2.03	1.30	2.36	1.71	46	
5050	MOD 843	17 CWT. SKID STEER	54 HP D	22,587	7.16	9.25	1.37	2.57	1.95	2.99	2.56	63	
5055	MOD 974	37 CWT. SKID STEER	78 HP D	41,499	12.42	16.34	2.50	4.61	2.82	5.35	3.70	121	
CASE													
5065	W-11	3/4 CY ARTIC	55 HP D	45,398	11.49	14.61	2.78	5.23	1.99	6.09	2.61	89	
5070	W-14	1-1/4 CY ARTIC	83 HP D	59,740	15.84	20.34	3.63	6.82	3.00	7.94	3.94	137	
5075	W-18 B	1-3/4 CY ARTIC	103 HP D	77,001	20.09	25.67	4.70	8.83	3.72	10.28	4.89	194	
5080	W-20 C	2 CY ARTIC	110 HP D	80,664	21.35	27.49	4.90	9.17	3.97	10.68	5.22	212	
5085	W-24 C	2-1/2 CY ARTIC	132 HP D	99,566	26.01	33.30	6.07	11.39	4.77	13.25	6.27	216	
5090	W-36	3-1/2 CY ARTIC	185 HP D	136,285	35.35	44.86	8.34	15.74	6.68	18.33	8.79	340	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	FUEL OWNER-SHIP	SEVERE OWNER-SHIP									
			AVERAGE	SEVERE													
LOADERS, F.E., WHEEL TYPE (CONT'D) *****																	
CATERPILLAR																	
5100	910	1-1/4 CY ARTIC	65 HP D	51,775	13.50	17.45	3.14	5.87	2.35	6.83	3.09	145					
5105	920	1-3/4 CY ARTIC	80 HP D	66,710	17.04	21.87	4.06	7.61	2.89	8.85	3.80	186					
5110	930	2-1/4 CY ARTIC	100 HP D	76,189	20.02	25.80	4.62	8.65	3.61	10.07	4.75	212					
5115	950-B	3 CY ARTIC	155 HP D	122,629	31.28	39.71	7.50	14.14	5.60	16.47	7.36	328					
5120	966-D	4 CY ARTIC	200 HP D	167,226	43.26	56.10	10.12	18.88	7.22	21.95	9.50	426					
5125	980-C	5-1/4 CY ARTIC	270 HP D	225,625	54.27	69.94	12.65	23.79	9.75	26.91	12.82	598					
5130	988-B	7 CY ARTIC	375 HP D	326,947	77.27	100.00	18.15	33.73	13.54	38.12	17.81	892					
5135	992-C	13 CY ARTIC	690 HP D	665,118	155.81	203.84	36.70	67.73	24.91	76.45	32.77	1916					
CLARK																	
5145	35C	1-1/4 CY	82 HP D	58,091	15.52	20.02	3.53	6.60	2.96	7.68	3.89	177					
5150	45C	1-1/2 CY	107 HP D	68,096	18.67	24.00	4.14	7.77	3.86	9.04	5.08	199					
5155	55C	2 CY ARTIC	121 HP D	79,386	21.69	27.95	4.82	9.03	4.37	10.50	5.75	247					
5160	75C	2-1/2 CY ARTIC	154 HP D	116,065	30.86	40.08	7.02	13.09	5.56	15.21	7.31	313					
5165	125C	3-1/2 CY ARTIC	210 HP D	157,071	42.18	55.11	9.48	17.60	7.58	20.45	9.97	437					
5170	175C	4-1/2 CY ARTIC	273 HP D	214,816	52.61	68.00	12.03	22.60	9.86	25.57	12.97	565					
5175	275C	6-1/2 CY ARTIC	360 HP D	307,953	72.27	92.62	17.19	32.14	13.00	36.34	17.10	864					
5180	475C	12 CY ARTIC	612 HP D	581,448	135.50	176.04	32.21	59.71	22.09	67.43	29.07	1689					
FIAT-ALLIS																	
5190	345-B	1-1/2 CY ARTIC	80 HP D	53,332	14.51	18.71	3.24	6.07	2.89	7.05	3.80	151					
5195	FR-10	2-1/4 CY ARTIC	102 HP D	67,567	18.29	23.44	4.12	7.73	3.68	8.99	4.84	212					
5200	FR-12	2-1/2 CY ARTIC	120 HP D	74,357	20.70	26.73	4.51	8.44	4.33	9.82	5.70	230					
5205	FR-15	3 CY ARTIC	155 HP D	105,106	28.96	37.79	6.35	11.79	5.60	13.69	7.36	296					
5210	FR-20	4-1/2 CY ARTIC	215 HP D	167,145	44.32	57.75	10.10	18.78	7.76	21.82	10.21	445					
5215	945-B	6 CY ARTIC	335 HP D	253,782	62.02	80.31	14.08	26.18	12.09	29.59	15.91	666					

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

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

FORD													
5225	445	3/4 CY	48 HP D	24,413	7.29	9.48	1.47	2.74	1.73	3.18	2.28	73	
5230	555	1 CY	55 HP D	29,976	8.69	11.24	1.82	3.39	1.99	3.94	2.61	78	
5235	A-62	1-1/2 CY	88 HP D	61,508	16.48	21.22	3.74	7.01	3.18	8.15	4.18	173	
5240	A-64	2 CY ARTIC	107 HP D	73,963	19.96	25.76	4.49	8.40	3.86	9.76	5.08	228	
5245	A-66	2-1/2 CY ARTIC	136 HP D	105,851	27.19	34.59	6.47	12.18	4.91	14.18	6.46	256	
INTERNATIONAL													
5255	510B	1-3/8 CY	80 HP D	50,050	14.50	19.32	2.99	5.48	2.89	6.35	3.80	140	
5260	515B	1-5/8 CY	100 HP D	61,818	17.34	22.51	3.74	6.97	3.61	8.11	4.75	167	
5265	520B	2-1/4 CY ARTIC	120 HP D	72,819	20.45	26.48	4.42	8.25	4.33	9.59	5.70	232	
5270	530	2-3/4 CY ARTIC	155 HP D	107,197	28.42	36.18	6.55	12.34	5.60	14.37	7.36	291	
5275	540	3-3/4 CY ARTIC	189 HP D	150,003	39.69	51.85	9.05	16.81	6.82	19.53	8.98	360	
5280	550	5-1/4 CY ARTIC	209 HP D	210,613	53.36	70.22	12.66	23.41	7.54	27.19	9.93	544	
5285	560B	7-1/2 CY ARTIC	415 HP D	309,983	75.18	96.41	17.30	32.36	14.98	36.59	19.71	830	
5290	570	12 CY ARTIC	590 HP D	598,198	135.32	173.32	33.38	62.40	21.30	70.55	28.02	1350	
JOHN DEERE													
5300	300B	3/4 CY	43 HP D	22,983	6.65	8.54	1.40	2.62	1.55	3.04	2.04	69	
5305	444C	1-1/2 CY	85 HP D	61,725	16.36	21.07	3.75	7.03	3.07	8.18	4.04	179	
5310	544C	2 CY ARTIC	105 HP D	74,869	19.72	25.17	4.57	8.60	3.79	10.01	4.99	197	
5315	644C	3 CY ARTIC	145 HP D	107,898	28.58	36.93	6.55	12.24	5.23	14.23	6.89	260	
5320	844	4-1/2 CY ARTIC	260 HP D	199,698	49.47	64.18	11.17	20.94	9.39	23.68	12.35	490	
KAWASAKI													
5330	KSS-65Z	2.2 CY	104 HP D	62,278	17.64	22.89	3.77	7.03	3.75	8.17	4.94	220	
5335	KSS-70	3.0 CY	158 HP D	88,665	25.13	32.15	5.41	10.18	5.70	11.85	7.50	305	
5340	KSS-80	4.0 CY	187 HP D	116,427	33.07	43.40	7.00	12.97	6.75	15.07	8.88	390	
5345	KSS-95Z11	5.5 CY	305 HP D	177,443	48.02	62.92	9.89	18.45	11.01	20.86	14.49	615	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				OWN				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.E., WHEEL TYPE (CONT'D) *****														
TEREX (GM)														
5355	33C	2 CY	103 HP D	64,206	17.95	23.25	3.89	7.26	3.72	8.43	4.89	216		
5360	44C	2-1/2 CY	113 HP D	73,774	20.24	26.13	4.48	8.38	4.08	9.74	5.37	250		
5365	55C	3-1/4 CY	144 HP D	104,429	27.34	34.81	6.38	12.02	5.20	13.99	6.84	280		
5370	66C	4 CY	210 HP D	141,355	38.93	50.76	8.54	15.88	7.58	18.44	9.97	425		
5375	80C	5-1/2 CY	307 HP D	214,385	54.12	69.99	12.01	22.55	11.08	25.51	14.58	590		
5380	90B	7-1/2 CY	388 HP D	314,315	74.65	95.61	17.55	32.84	14.01	37.13	18.43	845		
TROJAN														
5390	1500	1-3/4 CY ARTIC	85 HP D	66,478	17.25	22.16	4.04	7.58	3.07	8.82	4.04	180		
5395	1900	2-1/4 CY ARTIC	117 HP G	76,186	26.51	34.20	4.62	8.65	8.80	10.07	11.47	212		
5400	2000	3 CY ARTIC	149 HP D	108,701	28.39	36.12	6.64	12.52	5.38	14.57	7.08	306		
5405	2500	4 CY ARTIC	182 HP D	134,671	36.21	47.23	8.13	15.11	6.57	17.56	8.64	393		
5410	4000	4-1/4 CY ARTIC	203 HP D	147,393	40.04	52.43	8.88	16.47	7.33	19.13	9.64	410		
5415	5500	5-1/2 CY ARTIC	285 HP D	217,381	54.47	71.15	12.12	22.65	10.29	25.61	13.54	616		
5420	7500	7 CY ARTIC	400 HP D	286,400	70.53	90.80	15.96	29.77	14.44	33.65	19.00	846		
LOADER/BACKHOE, WHEEL TYPE TRACTOR *****														
CASE														
5430	480D LDR/BHOE	7/8 CY FE BUCKET 24" B/H DIPPER	47 HP D	39,515	10.09	12.65	2.41	4.55	1.70	5.30	2.23	100		
5435	580D LDR/BHOE	1.0 CY FE BUCKET 24" B/H DIPPER	55 HP D	46,104	11.77	14.75	2.82	5.32	1.99	6.20	2.61	115		
5440	680H LDR/BHOE	1-1/4 CY FE BUCKET 30" B/H DIPPER	80 HP D	71,191	17.97	22.51	4.35	8.20	2.89	9.55	3.80	165		
5445	780B LDR/BHOE	1-3/4 CY FE BUCKET 30" B/H DIPPER	111 HP D	84,076	21.96	27.54	5.14	9.71	4.01	11.31	5.27	200		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADER/BH, WHL. TYPE TRACTOR (CONT'D) *****														
JOHN DEERE														
5455	410B LDR/BH 1 CY FE BUCKET 24" B/H DIPPER	62 HP D	46,787	12.48	15.70	2.84	5.29	2.24	6.15	2.94	138			
5460	510 LDR/BHOE 1-1/8 CY FE BUCKET 24" B/H DIPPER	80 HP D	67,631	17.35	21.79	4.11	7.72	2.89	8.98	3.80	205			
5465	710B LDR/BHOE 1-1/2 CY FE BUCKET 30" B/H DIPPER	100 HP D	74,704	19.62	24.63	4.56	8.59	3.61	10.00	4.75	220			
LOADER/BACKHOE, CRLR TYPE TRACTOR *****														
CASE														
5475	350B LDR/BHOE 3/4 CY FE BUCKET 24" B/H DIPPER	39 HP D	53,815	15.07	18.78	3.31	6.52	1.52	7.64	2.00	141			
5480	450B LDR/BHOE 1 CY FE BUCKET 24" B/H DIPPER	53 HP D	64,085	18.28	22.83	3.94	7.76	2.06	9.10	2.72	167			
CATERPILLAR														
5490	931BLDR/BHOE 1 CY FE BUCKET 30" B/H DIPPER	65 HP D	56,430	17.08	21.41	3.46	6.83	2.53	8.02	3.33	207			
LOADER/BACKHOE ATTACHMENTS *****														
HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE OR HYDRAULIC EXCAVATOR (ADD TO THE BASIC LOADER-BACKHOE OR EXCAVATOR)														
5500	KENT RAM 555 W/NARROW CHISEL		4,909	2.00		0.37	0.79	0.00			6			
5505	KENT RAM 999 W/NARROW CHISEL		10,223	4.17		0.77	1.65	0.00			10			
5510	KENT RAM 2000 W/CHISEL-MIN 3/4CY B/H		19,784	8.01		1.49	3.19	0.00			22			
5515	KENT KHP-12 HYDRA-PAK TAMPER		5,133	1.83		0.39	0.83	0.00			9			
5520	KENT KHP-25 HYDRA-PAK MIN 3/4CY B/H		8,042	2.82		0.60	1.29	0.00			15			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
PILE EXTRACTORS *****														
MKT CORPORATION														
5530	E2	700 FT-LBS	400CFM A	14,020	4.56		1.05	2.26	0.00	27				
5535	E4	1000 FT-LBS	550CFM A	21,106	6.82		1.59	3.40	0.00	47				
VULCAN														
5545	400A	500 FT-LBS	450CFM A	18,041	5.82		1.36	2.91	0.00	30				
5550	800A	1000 FT-LBS	900CFM A	23,500	7.72		1.78	3.80	0.00	57				
5555	1200A	1640 FT-LBS	1350CFM A	27,577	9.26		2.08	4.46	0.00	97				
PILE HAMMERS, DIESEL ***** (FUEL NOT INCLUDED)														
MKT CORPORATION														
5565	DE-30B/20B	(6-FT) 12,000 FT-LBS		35,353	10.94		2.67	5.71	0.00	74				
5570	DE-30B/20B	(6-FT) 16,800 FT-LBS		39,513	12.22		2.98	6.38	0.00	82				
5575	DE-70B/50B	(6-FT) 30,000 FT-LBS		64,892	20.02		4.88	10.47	0.00	138				
5580	DE-70B/50B	(6-FT) 42,000 FT-LBS		68,916	21.26		5.19	11.12	0.00	158				
PILE HAMMERS, SINGLE ACTING *****														
VULCAN														
5590	1	15000 FT-LBS	750CFM A	36,013	11.50		2.71	5.81	0.00	101				
5595	06	19500 FT-LBS	900CFM A	41,226	13.16		3.10	6.65	0.00	121				
5600	08	26000 FT-LBS	1100CFM A	47,326	15.14		3.57	7.64	0.00	175				
5605	010	32500 FT-LBS	1350CFM A	51,839	16.67		3.91	8.37	0.00	195				
5610	012	39000 FT-LBS	1500CFM A	57,971	18.45		4.36	9.35	0.00	287				
5615	014	42000 FT-LBS	1750CFM A	69,406	22.27		5.22	11.20	0.00	283				
5620	016	48750 FT-LBS	1750CFM A	82,166	26.20		6.19	13.26	0.00	320				
5625	020	60000 FT-LBS	2150CFM A	109,772	34.90		8.27	17.72	0.00	425				
5630	030	90000 FT-LBS	2350CFM A	162,353	51.19		12.23	26.21	0.00	575				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP										
			AVERAGE	SEVERE													
PILE HAMMERS, DOUBLE ACTING *****																	
MKT CORPORATION																	
5640	9-B-3	8750 FT-LBS	900CFM A	28,268	9.18	2.13	4.56	0.00	74								
5645	10-B-3	13100 FT-LBS	1200CFM A	31,959	10.47	2.41	5.16	0.00	114								
5650	11-B-3	19150 FT-LBS	1200CFM A	42,655	13.76	3.22	6.89	0.00	141								
5655	5 (SELF STOP)	1000 FT-LBS	375CFM A	10,771	3.57	0.81	1.74	0.00	17								
5660	6 (SELF STOP)	2500 FT-LBS	600CFM A	13,600	4.51	1.02	2.19	0.00	31								
5665	7 (SELF STOP)	4150 FT-LBS	750CFM A	16,986	5.64	1.28	2.74	0.00	50								
VULCAN																	
5675	50C	15100 FT-LBS	1250CFM A	45,731	14.72	3.44	7.38	0.00	153								
5680	65C	19200 FT-LBS	1450CFM A	52,452	16.90	3.95	8.46	0.00	153								
5685	80C	24450 FT-LBS	1750CFM A	56,246	18.23	4.24	9.08	0.00	184								
5690	100C	32900 FT-LBS	2050CFM A	68,889	22.27	5.19	11.12	0.00	232								
5695	140C	36000 FT-LBS	2150CFM A	85,298	27.36	6.42	13.76	0.00	287								
5700	200C	50200 FT-LBS	2550CFM A	123,438	39.31	9.29	19.92	0.00	398								
PILE HAMMERS, VIBRATORY *****																	
MKT CORPORATION																	
5710	V5	WITH POWER PACK	59 HP D	62,010	21.89	4.67	10.01	2.13	110								
5715	V16	WITH POWER PACK	156 HP D	116,477	43.27	8.77	18.80	5.63	215								
5720	V20	WITH POWER PACK	295 HP D	171,246	66.75	12.90	27.64	10.65	257								
5725	V30	WITH POWER PACK	550 HP D	184,137	82.86	13.87	29.72	19.85	350								
5730	V36	WITH POWER PACK	650 HP D	233,589	102.83	17.58	37.69	23.46	450								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	FUEL	SEVERE OWNER-SHIP	SEVERE FUEL		
			AVERAGE	SEVERE							
	PIPELAYER *****										
	CATERPILLAR										
5740	561D 15 FT BOOM, 40,000 LB CAP 105 HP D	113,959	21.00	25.58	6.66	11.24	2.09	12.52	2.69	357	
5745	571G 18 FT BOOM, 60,000 LB CAP 200 HP D	183,937	34.76	42.38	10.76	18.15	3.99	20.21	5.13	502	
5750	572G 18 FT BOOM, 90,000 LB CAP 200 HP D	210,577	38.98	47.48	12.31	20.77	3.99	23.14	5.13	605	
5755	583K 20 FT BOOM, 140,000 LB CAP 300 HP D	264,499	50.31	61.39	15.46	26.09	5.98	29.07	7.69	905	
5760	594H 24 FT BOOM, 200,000 LB CAP 410 HP D	369,455	70.03	85.43	21.60	36.45	8.18	40.60	10.52	1229	
	PUMPS, GROUT *****										
	CHEMGROUT										
5770	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,303	3.24		0.83	1.74	0.00			11	
5775	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,540	1.24		0.30	0.64	0.00			5	
5780	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	18,150	4.87		1.22	2.57	0.00			18	
5785	CG-620 COLLOIDAL ADD-ON TO CG-500	7,830	2.02		0.53	1.11	0.00			11	
	PUMPS, WATER (FOR CORE DRILLS) *****										
	LONGYEAR										
5795	520 RQG 5.7-20 GPM UP TO 600PSI 10 HP G	6,646	2.67		0.41	0.78	1.04			7	
5800	535 RQG 9.9-35 GPM UP TO 800PSI 15 HP G	8,392	3.69		0.52	0.98	1.56			10	
	PUMPS, WATER, CENTRIFUGAL, DEWATERING *****										
	HOMELITE - SKID MOUNTED										
5810	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	460	0.37		0.03	0.05	0.21			1	
5815	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	593	0.53		0.04	0.07	0.31			1	
5820	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	1,100	1.32		0.07	0.13	0.83			2	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
PUMPS, WATER, CENTRIF, DEWATER (CONT'D) *****												
MARLOW - WHEEL MOUNTED												
5830	MOD 4D2 465 GPM @ 20' HEAD	43 HP G	8,779	7.60	0.54	1.03	4.46		14			
5835	MOD 4C7 595 GPM @ 20' HEAD	30 HP D	5,041	3.06	0.31	0.59	1.51		10			
5840	MOD 6E4A 1100 GPM @ 20' HEAD	79 HP G	11,651	13.09	0.72	1.36	8.20		15			
5845	MOD 6E4A 1100 GPM @ 20' HEAD	60 HP D	16,766	7.44	1.03	1.96	3.02		24			
5850	MOD 8FA3 2320 GPM @ 20' HEAD	70 HP D	21,601	9.08	1.33	2.53	3.52		23			
5855	MOD 10FA61 2775 GPM @ 20' HEAD	68 HP D	22,917	9.20	1.42	2.69	3.42		30			
PUMPS, WATER, CENTRIFUGAL, TRASH *****												
HOMELITE - SKID MOUNTED												
5865	MOD 121TP 2" - 11500 GPH @ 20' H	5 HP G	955	0.87	0.06	0.11	0.52		1			
5870	MOD 120 3" - 23000 GPH @ 20' H	8 HP G	1,303	1.36	0.09	0.16	0.83		2			
5875	MOD 160TP 4" - 36500 GPH @ 20' H	16 HP G	2,672	2.71	0.16	0.31	1.66		4			
PUMPS, WATER, DIAPHRAGM *****												
HOMELITE - SKID MOUNTED												
5885	MOD 111DP 2" - 1900 GPH @ 10' HD	3 HP G	1,196	0.64	0.07	0.14	0.31		1			
5890	MOD 111DP 3" - 4800 GPH @ 10' HD	3 HP G	1,331	0.67	0.09	0.16	0.31		2			
PUMPS, WATER, SUBMERSIBLE *****												
GORMAN-RUPP												
5900	MOD S2A1 2" - 138 GPM @ 20' HD	2 HP E	1,618	0.44	0.10	0.19	0.13		2			
5905	MOD S3A1 3" - 278GPM @ 20' HD	5 HP E	2,311	0.81	0.14	0.27	0.31		3			
5910	MOD S4A1 4" - 860 GPM @ 40' HD	25 HP E	8,200	3.56	0.50	0.96	1.57		12			
5915	MOD S6A1 6" - 1950 GPM @ 40' HD	60 HP E	10,697	7.15	0.66	1.25	3.78		14			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
PUMPS, WATER, SUBMERSIBLE (CONT'D) *****												
HOMELITE												
5925	MOD SP200 2" - 13000 GPH @ 10' HD	2 HP E	1,315	0.40		0.09	0.16	0.13	1			
5930	MOD SP300 3" - 19000 GPH @ 15' HD	4 HP E	1,628	0.61		0.10	0.19	0.25	1			
RIPPER & HYDRAULIC BANK SLOPER ***** (DOES NOT INCLUDE COST OF POINT WEAR)												
ATECO												
5940	LPAF-D8K	PARALLEL LIFT	24,505	5.93	7.95	1.65	3.48	0.00	4.33	0.00	101	
5945	D-8K	SHANKS EA		1,917	0.45	0.61	0.13	0.27	0.00	0.33	0.00	11
5950	LPAF-D7G	PARALLEL LIFT		18,364	4.45	5.97	1.24	2.61	0.00	3.25	0.00	57
5955	D-7G	SHANKS EA		838	0.20	0.27	0.06	0.12	0.00	0.15	0.00	5
5960	V-LPRF-TD25E	PARALLEL LIFT STD SVC		21,026	5.10	6.84	1.41	2.98	0.00	3.72	0.00	97
5965	TD-25C	SHANKS EA		1,901	0.45	0.60	0.13	0.27	0.00	0.33	0.00	8
5970	V-LPRF-TD20E	PARALLEL LIFT STD SVC		15,258	3.71	4.96	1.03	2.17	0.00	2.69	0.00	51
5975	TD-20E	SHANKS EA		1,218	0.29	0.39	0.08	0.17	0.00	0.21	0.00	4
5980	PS-TD15C	RADIAL LIFT		8,946	2.21	2.95	0.60	1.27	0.00	1.58	0.00	22
5985	TD-15C	SHANKS EA		486	0.12	0.15	0.03	0.07	0.00	0.08	0.00	1
5990	V-LPRF 82-50	PARALLEL LIFT STD SVC		23,470	5.67	7.60	1.59	3.34	0.00	4.15	0.00	105
5995	82-50	SHANKS EA		1,901	0.45	0.60	0.13	0.27	0.00	0.33	0.00	8
6000	V-LPRF-82-30B	PARALLEL LIFT		20,872	5.05	6.77	1.41	2.97	0.00	3.69	0.00	89
6005	82-30	SHANKS EA		2,580	0.62	0.82	0.18	0.37	0.00	0.45	0.00	8
6010	HBS-HYDR	BANK SLOPER 260-475 HP		9,224	1.90	2.38	0.56	1.11	0.00	1.31	0.00	28
CATERPILLAR												
6020	D-10 MULTI-SHANK BEAM		48,132	11.67	15.65	3.25	6.84	0.00	8.51	0.00	218	
6025	D-10 SHANKS EA			3,511	0.84	1.12	0.24	0.50	0.00	0.62	0.00	15
6030	D-10 SINGLE-SHANK BEAM			51,280	12.41	16.64	3.46	7.28	0.00	9.06	0.00	209
6035	D-9L MULTI-SHANK BEAM W/HYD-CONTROL			40,837	9.87	13.25	2.76	5.80	0.00	7.22	0.00	162
6040	D-9L SHANKS EA			3,155	0.74	1.01	0.21	0.44	0.00	0.56	0.00	14

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL	OWNERSHIP	
	RIPPER & HYDR BANK SLOPER (CONT'D) ***** (DOES NOT INCLUDE COST OF POINT WEAR)									
	CATERPILLAR (CONT'D)									
6045	D-9L SINGLE-SHANK BEAM HYD-CNCL&SHANK	38,004	9.20	12.34	2.57	5.40	0.00	6.72	0.00	156
6050	D-8L MULTI-SHANK BEAM HYD-CONTROL	27,570	6.65	8.94	1.86	3.91	0.00	4.88	0.00	98
6055	D-8L SHANKS EA	1,775	0.43	0.58	0.13	0.26	0.00	0.32	0.00	7
6060	D-8L SINGLE-SHANK BEAM HYD-CNCL&SHANK	26,797	6.48	8.69	1.81	3.81	0.00	4.74	0.00	101
6065	D-7G MULTI-SHANK BEAM HYD-CONTROL	15,406	3.74	5.02	1.03	2.18	0.00	2.72	0.00	57
6070	D-7G SHANKS EA	917	0.22	0.29	0.06	0.13	0.00	0.16	0.00	3
6075	D-6D MULTI-SHANK BEAM HYD-CONTROL	9,644	2.37	3.18	0.65	1.37	0.00	1.71	0.00	34
6080	D-6D SHANKS EA	470	0.12	0.15	0.03	0.07	0.00	0.08	0.00	1
6085	D-4E MULTI-SHANK BEAM HYD-CONTROL	5,951	1.49	1.99	0.40	0.84	0.00	1.05	0.00	22
6090	D-4E SHANKS EA	252	0.06	0.08	0.02	0.04	0.00	0.04	0.00	1
6095	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,647	0.70	0.93	0.18	0.37	0.00	0.47	0.00	7
6100	D-3B SHANKS EA	138	0.03	0.05	0.01	0.02	0.00	0.03	0.00	1
	FIAT-ALLIS									
6110	FD-50 W/HYD-CNCL AND 1 SHANK	53,521	13.01	17.44	3.60	7.60	0.00	9.46	0.00	280
6115	FD-40 W/HYD-CNCL AND 2 SHANKS	41,673	10.11	13.56	2.81	5.92	0.00	7.37	0.00	200
6120	FD-30 W/HYD-CNCL AND 2 SHANKS	31,323	7.55	10.14	2.11	4.45	0.00	5.54	0.00	108
6125	RP20B W/HYD-CNCL AND 3 SHANKS	18,511	4.49	6.03	1.25	2.63	0.00	3.28	0.00	88
	ROLLER, RUBBER TIRED, SELF-PROPELLED *****									
	FERGUSON									
6135	MOD SP-912 12 TON 85 HP D	37,456	11.45		2.28	4.41	3.07			99
6140	MOD SP-915 15 TON 85 HP D	41,319	12.22		2.52	4.87	3.07			135
6145	MOD SP-1118 18 TON 85 HP D	48,034	13.60		2.92	5.66	3.07			124
6150	MOD SP-1130 30 TON 125 HP D	76,967	21.34		4.67	9.01	4.51			242

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
ROLLER, R/T, SELF-PROPELLED (CONT'D) *****												
INGRAM												
6160	9-2800-P	12 TON	76 HP D	32,786	10.09	1.99	3.84	2.74	73			
6165	9-2800-PA	12 TON	76 HP D	35,243	10.59	2.14	4.14	2.74	86			
6170	9-3400-P	15 TON	78 HP D	36,046	10.85	2.19	4.24	2.82	97			
6175	11-2700	15 TON	107 HP G	34,751	17.10	2.10	4.06	8.05	89			
6180	11-2700	15 TON	76 HP D	38,714	11.32	2.35	4.54	2.74	91			
6185	13-2300	15 TON	107 HP G	36,344	17.44	2.20	4.23	8.05	86			
6190	13-2300	15 TON	76 HP D	40,317	11.65	2.44	4.70	2.74	90			
6195	9-6000	27 TON	117 HP D	88,204	23.29	5.35	10.31	4.22	205			
TAMPO												
6205	SP-312	12 TON	68 HP D	35,785	10.34	2.18	4.21	2.45	66			
6210	SP-518	15 TON	68 HP D	44,328	12.03	2.70	5.24	2.45	95			
6215	SP-950	27 TON	130 HP D	91,434	24.47	5.55	10.73	4.69	198			
6220	SP-1070 M	35 TON	130 HP D	110,136	28.82	6.57	12.49	4.69	258			
ROLLER, RUBBER TIRED, TOWED *****												
FERGUSON												
6230	RT-100S	50 TON		60,514	12.14	3.39	5.98	0.00	200			
6235	RT-120S	60 TON		71,400	14.91	4.20	7.86	0.00	218			
SOUTHWEST												
6245	C 50	50 TON		72,883	14.81	4.17	7.54	0.00	344			
6250	C 75	75 TON		81,486	16.52	4.60	8.17	0.00	408			
6255	C 100XL	100 TON		112,084	22.85	6.47	11.84	0.00	601			
TAMPO												
6265	R-13	14 TON		9,049	1.95	0.52	0.94	0.00	35			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED *****													
FERGUSON													
6275	MOD 112	40"X48" 3-7 TON	12,760	2.69		0.78	1.53	0.00	65				
6280	MOD 112W	40"X48" 4.5-8 TON	16,206	3.38		1.00	1.95	0.00	91				
6285	MOD 112W-48	48"X48" 5-10 TON	16,677	3.48		1.03	2.01	0.00	105				
6290	MOD 120	60"X60" 8-18 TON	24,974	5.14		1.53	3.00	0.00	157				
6295	MOD 120 MOD	60"X60" 8-18 TON	38,227	7.81		2.35	4.61	0.00	230				
6300	MOD 120-RE	60"X60" 16-20 TON	57,748	11.72		3.55	6.95	0.00	327				
6305	MOD 22	60"X72" 16-20 TON	37,807	7.73		2.32	4.55	0.00	215				
6310	MOD 22 MOD	60"X72" 16-20 TON	44,072	8.98		2.71	5.31	0.00	269				
6315	MOD 144-RE	60"X72" 19-24 TON	67,974	13.77		4.18	8.18	0.00	385				
 TAMPO													
6325	H-1 TF	40"X48" 2.6TON	5,635	1.27		0.35	0.68	0.00	32				
6330	H-2 TF	40"X48" 5 TON	11,399	2.44		0.71	1.38	0.00	63				
 ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED *****													
CATERPILLAR													
6340	815 B	40.5"X38" 210 HP D	148,422	39.20		9.12	17.87	7.58	419				
6345	825C	51"X44" 310 HP D	224,893	59.04		13.82	27.08	11.19	633				
6350	825C	W/S BLADE 310 HP D	237,753	61.62		14.61	28.63	11.19	684				
 HYSTER													
6360	C455-B TANDEM	80"X80" ARTIC 330 HP D	243,756	63.71		14.98	29.35	11.91	573				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.				
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
ROLLER, SMOOTH WHEEL, SELF-PROPELLED *****												
FERGUSON												
6370	3-5 TON	TANDEM	52 HP D	25,168	7.38	1.55	3.03	1.88	77			
6375	4-6 TON	TANDEM	52 HP D	30,021	8.35	1.84	3.61	1.88	96			
6380	5-8 TON	TANDEM	85 HP D	45,884	13.03	2.82	5.53	3.07	136			
6385	8-10 TON	TANDEM	85 HP D	47,893	13.43	2.94	5.77	3.07	174			
6390	8-12 TON	TANDEM	85 HP D	50,044	13.85	3.07	6.02	3.07	176			
6395	10-14 TON	TANDEM	85 HP D	52,079	14.27	3.20	6.27	3.07	219			
 INGRAM												
6405	12 TON EB 3 WHEEL 3" OVERLAP	107 HP G	50,077	20.04	3.08	6.03	8.05		194			
6410	12 TON EB 3 WHEEL 3" OVERLAP	85 HP D	53,761	14.61	3.31	6.48	3.07		196			
6415	14 TON EB 3 WHEEL 3" OVERLAP	107 HP G	53,086	20.64	3.26	6.39	8.05		221			
6420	14 TON EB 3 WHEEL 3" OVERLAP	85 HP D	56,769	15.20	3.49	6.83	3.07		223			
6425	4-6 TON FB 2 WHEEL	TANDEM	54 HP G	24,617	9.99	1.52	2.97	4.06	82			
6430	6-9 TON GB 2 WHEEL	TANDEM	107 HP G	33,353	16.67	2.05	4.01	8.05	133			
6435	6-9 TON GB 2 WHEEL	TANDEM	85 HP D	37,036	11.25	2.28	4.46	3.07	135			
6440	8-12 TON HB 2 WHEEL	TANDEM	107 HP G	40,435	18.10	2.49	4.87	8.05	171			
6445	8-12 TON HB 2 WHEEL	TANDEM	85 HP D	44,119	12.67	2.71	5.31	3.07	173			
6450	10-14 TON HB 2 WHEEL	TANDEM	107 HP G	43,582	18.73	2.68	5.25	8.05	203			
6455	10-14 TON HB 2 WHEEL	TANDEM	85 HP D	47,265	13.31	2.91	5.70	3.07	205			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
ROLLER, VIBRATORY, SINGLE DRUM, TOWED												
***** ***** *****												
TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS												
DYNAPAC												
6465	CK-11 40HZ 30"X55" 5 TON 18 HP G	12,382	5.78		0.84	1.75	1.87		31			
6470	CF-11 40HZ TF 30"X55" 5 TON 18 HP G	15,171	6.52		1.02	2.14	1.87		32			
6475	CH-47 27HZ 47"X74" 13 TON 43 HP D	36,113	12.49		2.43	5.09	2.17		130			
6480	CF-47 27HZ TF 47"X74" 13 TON 43 HP D	35,028	12.20		2.36	4.94	2.17		135			
6485	CK-51 25HZ 59"X83" 24 TON 95 HP D	48,869	19.34		3.29	6.89	4.78		221			
6490	CF-51 25HZ TF 59"X83" 24 TON 95 HP D	51,554	20.06		3.47	7.27	4.78		226			
PERGUSON												
6500	65 25HZ TF 60"X72" 11 TON 49 HP D	34,466	12.45		2.32	4.86	2.47		110			
6505	65T 30HZ TF 44"X72" 11 TON 49 HP D	37,457	13.24		2.52	5.28	2.47		127			
6510	230 25HZ 66"X78" 20 TON 77 HP D	60,205	21.17		4.05	8.49	3.88		237			
6515	230T 25HZ TF 66"X78" 21 TON 77 HP D	65,672	22.63		4.42	9.26	3.88		268			
HYSTER												
6525	C200B 30HZ 48"X60" 9 TON 39 HP D	29,895	10.56		2.02	4.22	1.96		80			
6530	C210A 30HZ TF 58"X60" 9 TON 39 HP D	35,312	12.01		2.38	4.98	1.96		100			
RAYGO												
6540	SF-54A TF 38HZ 30"X54" 7.5TON 30 HP D	17,856	6.74		1.20	2.51	1.51		48			
6545	SM-54A 38HZ 30"X54" 7.5TON 30 HP D	16,188	6.30		1.09	2.28	1.51		48			
SOUTHWEST												
6555	756 25HZ TF 66"X78"23.5TON 75 HP D	74,972	24.98		5.04	10.57	3.78		240			
6560	566 33HZ TF 56"X72"25.5TON 50 HP D	57,196	18.57		3.85	8.06	2.52		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															
ROLLER, VIB, SINGLE DRUM, SELF-PROPELLED ***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS																			
DYNAPAC																			
6575	CA-15 29HZ	48"x66"	11 TON	73 HP D	57,605	20.25	3.86	8.05	3.68	132									
6580	CA-15A 42HZ	48"x66"	12 TON	85 HP D	66,311	23.48	4.39	9.07	4.28	144									
6585	CA-15PD 29HZ	TF 53"x66"	13 TON	85 HP D	74,162	25.46	4.98	10.40	4.28	157									
6590	CA-25A 40HZ	60"x84"	18 TON	125 HP D	86,312	31.46	5.75	11.93	6.29	200									
6595	CA-25 28HZ	60"x84"	18 TON	125 HP D	79,125	29.53	5.27	10.95	6.29	200									
6600	CA-25S 28HZ	61"x84"	22 TON	125 HP D	83,607	30.72	5.57	11.58	6.29	225									
6605	CA-25PD 28HZ	68"x84"	22 TON	125 HP D	95,376	33.86	6.37	13.24	6.29	248									
6610	CA-30 28HZ	61"x84"	22 TON	125 HP D	87,756	31.82	5.85	12.16	6.29	242									
6615	CA-30D 28HZ	61"x84"	22 TON	125 HP D	95,059	33.77	6.34	13.19	6.29	252									
PERGUSON																			
6625	SP 266A 42HZ	48"x66"	15 TON	125 HP D	81,033	29.90	5.45	11.42	6.29	225									
6630	SP 75 30HZ	60"x84"	22.5 TON	85 HP D	66,822	23.60	4.45	9.22	4.28	191									
6635	SP 75D 30HZ	60"x84"	22.5 TON	120 HP D	70,946	27.01	4.72	9.79	6.04	193									
6640	SP 75DT 30HZ	TF 60"x84"	22.5 TON	120 HP D	80,600	29.59	5.38	11.16	6.04	236									
INGERSOLL RAND																			
6650	SPF-56 30HZ	TF 56"x84"	21 TON	115 HP D	85,945	30.68	5.73	11.91	5.79	222									
6655	SP-60DD 25HZ	60"x100"	30 TON	203 HP D	127,217	47.60	8.48	17.61	10.22	377									
RAYGO																			
6665	RASCAL 220A 30HZ	TF38"x48"	6 TON	70 HP D	55,113	19.36	3.71	7.74	3.52	97									
6670	RASCAL 303A 38HZ	48"x66"	8 TON	70 HP D	54,902	19.32	3.68	7.67	3.52	137									
6675	RASCAL 320A 25HZ	TF48"x60"	8 TON	80 HP D	73,284	24.88	4.92	10.27	4.03	151									
6680	RASCAL 320S 25HZ	48"x60"	8 TON	80 HP D	61,536	21.77	4.13	8.61	4.03	144									
6685	RUSTLER 304A 28HZ	48"x66"	8 TON	70 HP D	60,303	20.89	3.99	8.23	3.52	130									
6690	RUSTLER 404B 28HZ	59"x84"	13.5TON	88 HP D	82,756	28.01	5.53	11.49	4.43	175									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
ROLLER, VIBRATORY, SD, S/P (CONT'D)												
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS												
RAYGO (CONT'D)												
6695	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	91,142	32.32		6.09	12.67	5.99		225			
6700	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	76,564	28.83		5.10	10.58	6.29		224			
6705	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	107,010	36.58		7.14	14.84	5.99		358			
6710	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	93,043	32.86		6.21	12.88	5.99		316			
6715	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	83,889	30.85		5.57	11.52	6.29		263			
TAMPO												
6725	RS-16A 26HZ 48"X24" 7.5TON 68 HP D	59,018	20.41		3.90	8.04	3.42		124			
6730	RS-16 26HZ 48"X24" 8 TON 68 HP D	51,630	18.33		3.46	7.22	3.42		115			
6735	RS-16D 26HZ 48"X24" 8 TON 80 HP D	62,807	22.09		4.21	8.78	4.03		123			
6740	RH-16A 26HZ 48"X24" 9 TON 75 HP D	68,906	23.53		4.58	9.45	3.78		153			
6745	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	69,135	23.80		4.64	9.69	4.03		127			
6750	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	90,042	31.45		6.01	12.49	5.54		212			
6755	RS-28C 25HZ 60"X84" 15 TON 107 HP D	74,806	27.18		4.99	10.34	5.39		202			
6760	RS-28D 25HZ 60"X84" 15 TON 107 HP D	80,901	28.81		5.40	11.20	5.39		208			
6765	RH-28D 28HZ 60"X84"22.5TON 110 HP D	103,227	34.95		6.89	14.34	5.54		259			
ROLLER, VIB, DOUBLE DRUM, SELF-PROPELLED												
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS												
DYNAPAC												
6775	LR-50 60HZ TANDEM 2 TON 16 HP D	10,617	3.89		0.71	1.49	0.81		25			
6780	CC-10 50HZ TANDEM 2 TON 34 HP D	28,094	9.75		1.89	3.96	1.71		50			
6785	CC-21 50HZ TANDEM 4 TON 71 HP D	66,217	22.37		4.46	9.34	3.57		137			
6790	CC-42II 42HZ TANDEM 12 TON 125 HP D	88,886	32.00		5.99	12.54	6.29		200			
6795	CC-50A 40HZ TANDEM 18 TON 155 HP D	107,318	38.92		7.23	15.14	7.80		310			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
ROLLER, VIBRATORY, DD, S/P (CONT'D)													
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS													
DYNAPAC (CONT'D)													
6800	CC-50S	28HZ	TANDEM	22 TON	181 HP D	129,742	46.63	8.74	18.30	9.11	342		
6805	CC-50PD	28HZ	TF TANDEM	22 TON	181 HP D	147,218	51.28	9.91	20.76	9.11	419		
RAYGO													
6815	REBEL 1-36	40HZ	TANDEM	2 TON	16 HP D	10,701	3.92	0.72	1.51	0.81	23		
6820	ROMPER 2-36	40HZ	TANDEM	4 TON	35 HP D	23,917	8.69	1.61	3.37	1.76	40		
6825	RUSTLER 5604A	50HZ	TANDEM	5.5TON	70 HP D	63,937	21.69	4.30	9.01	3.52	132		
6830	RUSTLER 7204A	38HZ	TANDEM	8 TON	115 HP D	84,710	30.23	5.70	11.95	5.79	250		
6835	RANGER 2-66	38HZ	TANDEM	8 TON	119 HP D	108,080	36.72	7.28	15.24	5.99	215		
TAMPO													
6845	RS-03	60HZ	36"X24"	2 TON	14 HP G	10,484	4.71	0.71	1.48	1.45	23		
6850	RS-144A	50HZ	42"X48"	8 TON	52 HP D	54,318	17.94	3.66	7.66	2.62	100		
6855	RS-166A	36HZ	48"X66"	16 TON	80 HP D	84,785	27.92	5.70	11.95	4.03	200		
6860	RS-188A	36HZ	60"X84"	30 TON	156 HP D	105,223	38.42	7.09	14.84	7.85	320		
6865	RH-199	25HZ	60"X96"	45 TON	262 HP D	187,337	67.36	12.61	26.42	13.19	491		
SCRAPERS, SELF-PROPELLED													
***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)													
CATERPILLAR													
6875	613-B	13 T	11 CY P.S.	150 HP D	124,786	33.94	43.71	7.49	14.37	5.56	16.78	7.27	307
6880	615	19 T	14-16 CY P.S.	250 HP D	200,325	54.07	70.30	11.93	23.50	9.26	27.56	12.11	525
6885	621-B	24 T	14-20 CY P.S.	330 HP D	248,434	65.33	85.14	14.79	29.11	10.97	34.14	14.42	662
6890	623-B	25 T	22 CY P.S.	330 HP D	276,024	73.32	95.05	16.48	32.55	12.23	38.19	15.99	718
6895	627-B PP	24 T	14-20 CY P.S.	225/225 HP D/D	290,054	81.71	106.96	17.38	34.46	15.82	40.46	20.52	733
6900	627-B PP	24 T	14-20 CY P.S.	225/225 HP D/D	307,950	85.08	111.13	18.47	36.69	15.82	43.09	20.52	772

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP												
			AVERAGE	SEVERE															
SCRAPERS, SELF-PROPELLED (CONT'D)																			
***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)																			
CATERPILLAR (CONT'D)																			
6905	631-D 37.5T 21-31 CY P.S. 450 HP D	381,203	96.82	125.59	22.76	45.00	14.96	52.80	19.66	934									
6910	633-D 37.5T 34 CY P.S. 450 HP D	434,233	110.81	142.95	26.02	51.61	16.67	60.59	21.80	1042									
6915	637-D 37.5T 21-31 CY P.S. 450/250 HP D/D	468,073	129.81	169.38	28.10	55.83	24.60	65.55	31.92	1053									
6920	637-D PP 37.5T 21-31 CY P.S. 450/250 HP D/D	488,335	133.63	174.10	29.34	58.36	24.60	68.53	31.92	1077									
6925	639-D 37.5T 24-34 CY P.S. 450/250 HP D/D	537,700	145.88	191.22	32.20	63.82	24.60	74.91	31.92	1223									
6930	651-B 52 T 32-44 CY P.S. 550 HP D	489,670	123.66	160.67	29.20	57.63	18.29	67.61	24.03	1230									
6935	657-B 52 T 32-44 CY P.S. 550/400 HP D/D	603,241	170.14	222.43	36.17	71.79	33.39	84.28	43.32	1516									
FIAT-ALLIS																			
6950	161 18.7 T 15 CY P.S. 229 HP D	173,618	46.94	60.73	10.38	20.55	8.48	24.12	11.10	466									
6955	260B 25.0 T 15-21 CY P.S. 325 HP D	233,931	61.63	80.02	13.96	27.59	10.81	32.37	14.20	585									
6960	261B 26.5 T 23 CY P.S. 325 HP D	263,747	72.07	94.33	15.60	30.55	12.04	35.80	15.75	635									
6965	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	278,274	81.53	106.86	16.66	33.00	17.43	38.73	22.62	679									
6970	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	332,486	91.29	118.61	20.01	39.86	17.43	46.82	22.62	742									
INTERNATIONAL																			
6980	412B 13 T 11 CY P.S. 125 HP D	123,112	32.07	41.14	7.41	14.26	4.63	16.66	6.06	335									
6985	431B 24 T 14-21 CY P.S. 326 HP D	246,451	64.33	83.57	14.71	29.04	10.84	34.06	14.25	609									
6990	433B 24 T 14-21 CY P.S. 326/185 HP D/D	289,418	84.30	110.31	17.34	34.39	17.96	40.36	23.30	700									
6995	442B 25 T 22 CY P.S. 326 HP D	275,468	72.55	93.76	16.49	32.65	12.08	38.32	15.79	680									
JOHN DEERE																			
7005	JD762A 13.7 T 11 CY P.S. 175 HP D	130,306	36.06	46.24	7.86	15.13	6.48	17.67	8.48	355									
7010	JD862 20.0 T 16 CY P.S. 250 HP D	177,375	48.67	62.96	10.61	21.02	9.26	24.68	12.11	492									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
SCRAPERS, SELF-PROPELLED (CONT'D) ***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)														
TEREX (GM)														
7020	S-23E 26.5T 23 CY P.S. 310 HP D	258,723	68.62	88.87	15.46	30.56	11.49	35.87	15.02	660				
7025	S-24B 40.8T 24-34 CY P.S. 475 HP D	411,964	104.64	136.04	24.56	48.46	15.79	56.85	20.76	955				
7030	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	264,254	68.77	89.90	15.85	31.46	10.12	36.94	13.13	544				
7035	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	448,529	122.25	159.62	26.92	53.47	21.76	62.78	28.23	960				
7040	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	528,031	143.47	187.40	31.68	62.92	25.20	73.88	32.70	1084				
SCRAPER, TRACTOR DRAWN *****														
ROME														
7055	ROME 18T 12-17CY HYDR/CONTROL	74,288	13.40	16.03	4.12	7.66	0.00	8.65	0.00	235				
7060	ROME 27T 18-26CY HYDR/CONTROL	98,287	18.07	21.71	5.39	9.88	0.00	11.15	0.00	365				
SOUTHWEST-HUME														
7070	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	37,880	6.95	8.33	2.08	3.82	0.00	4.31	0.00	137				
SOIL STABILIZER *****														
BOMAG														
7080	MOD MPH-50 12"DEEP BY 82"WIDE 152 HP D	93,531	25.99	33.55	5.71	11.13	5.63	13.03	7.36	208				
7085	MOD MPH-100 14.5"DEEP X 79"WIDE 304 HP D	147,568	44.33	57.43	8.99	17.49	11.26	20.46	14.73	300				
BROS														
7095	MOD LSPRM-8A 19"DEEP X 99.75"WIDE 318 HP D	133,398	41.30	53.05	8.17	15.99	11.78	18.73	15.41	300				

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															
TRACTOR, CRAWLER (DOZER) *****																			
CATERPILLAR																			
7105	D-3B P.S.	65 HP D	38,732	12.07	15.41	2.38	4.55	2.53	5.31	3.33	130								
7110	3P POWER ANGLE & POWER TILT		7,821	1.62	2.03	0.48	0.94	0.00	1.11	0.00	24								
7115	D-4E P.S.	80 HP D	53,989	16.27	20.73	3.33	6.34	3.12	7.39	4.10	184								
7120	4A ANGLE BLADE HYDRAULIC		10,384	2.14	2.67	0.64	1.26	0.00	1.47	0.00	28								
7125	4S STRAIGHT BLADE HYDRAULIC		7,875	1.64	2.04	0.49	0.96	0.00	1.11	0.00	25								
7130	D-5B P.S.	105 HP D	79,801	23.34	29.72	4.91	9.37	4.09	10.92	5.39	234								
7135	5A ANGLE BLADE HYDRAULIC		12,919	2.64	3.31	0.80	1.57	0.00	1.84	0.00	43								
7140	5S STRAIGHT BLADE HYDRAULIC		10,166	2.09	2.62	0.62	1.23	0.00	1.44	0.00	36								
7145	D-6D P.S.	140 HP D	108,501	31.58	40.22	6.67	12.73	5.45	14.85	7.18	283								
7150	6S STRAIGHT BLADE HYDRAULIC		13,153	2.69	3.37	0.81	1.60	0.00	1.87	0.00	49								
7155	6A ANGLE BLADE HYDRAULIC		14,818	3.02	3.78	0.92	1.80	0.00	2.10	0.00	53								
7160	D-7G P.S.	200 HP D	158,283	45.86	58.38	9.74	18.58	7.79	21.67	10.26	378								
7165	7S STRAIGHT BLADE HYDRAULIC		20,377	4.11	5.18	1.26	2.47	0.00	2.90	0.00	77								
7170	7U HYD. UNIVERSAL BLADE		22,328	4.50	5.66	1.38	2.71	0.00	3.17	0.00	84								
7175	7A ANGLE BLADE HYDRAULIC		17,777	3.60	4.53	1.10	2.16	0.00	2.53	0.00	68								
7180	D-8L P.S.	335 HP D	248,269	69.13	88.27	15.24	31.01	13.05	36.52	17.19	735								
7185	8S STRAIGHT BLADE HYDRAULIC		29,729	6.00	7.55	1.82	3.60	0.00	4.22	0.00	120								
7190	8U HYD. UNIVERSAL BLADE		32,765	6.61	8.31	2.01	3.97	0.00	4.65	0.00	133								
7195	8A ANGLE BLADE HYDRAULIC		29,797	6.03	7.57	1.83	3.61	0.00	4.23	0.00	133								
7200	PUSH PLATE USE W/8S		863	0.23	0.27	0.06	0.11	0.00	0.13	0.00	6								
7205	D-9L P.S.	460 HP D	331,867	82.62	102.52	18.97	36.54	17.92	41.45	23.60	1004								
7210	9S STRAIGHT BLADE HYDRAULIC		41,067	8.31	10.45	2.53	4.98	0.00	5.84	0.00	184								
7215	9U HYD. UNIVERSAL BLADE		43,396	8.77	11.03	2.66	5.25	0.00	6.16	0.00	195								
7220	9C CUSHION BLADE		36,175	7.31	9.20	2.22	4.38	0.00	5.14	0.00	160								
7225	REAR CUSHION PUSH BLOCK		10,704	2.23	2.79	0.65	1.29	0.00	1.52	0.00	41								
7230	FRONT PUSH PLATE		1,154	0.31	0.36	0.07	0.14	0.00	0.16	0.00	9								
7235	D-10 P.S.	700 HP D	556,612	135.10	167.41	31.81	61.28	27.26	69.52	35.91	1526								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) (CONT'D) *****														
CATERPILLAR (CONT'D)														
7240	10S STRAIGHT BLADE HYDRAULIC	62,491	12.64	15.90	3.84	7.57	0.00	8.88	0.00	280				
7245	10U HYD. UNIVERSAL BLADE	68,709	13.88	17.46	4.22	8.32	0.00	9.76	0.00	286				
7250	FRONT PUSH PLATE	1,337	0.35	0.41	0.09	0.17	0.00	0.19	0.00	8				
7255	10C CUSHION BLADE	46,235	9.35	11.75	2.84	5.60	0.00	6.56	0.00	198				
FIAT-ALLIS														
7265	FD5 P.S. W/HYD. ANGLE TILT BLADE	63 HP D	44,000	13.14	16.75	2.71	5.17	2.45	6.03	3.23				
7270	FD7 P.S. W/POW. ANGLE TILT BLADE	78 HP D	51,869	15.68	20.00	3.19	6.08	3.04	7.10	4.00				
7275	8-B P.S.	88 HP D	58,081	17.60	22.44	3.57	6.82	3.43	7.95	4.51				
7280	8-HA ANGLE BLADE HYDRAULIC		9,026	1.86	2.33	0.55	1.09	0.00	1.28	0.00				
7285	8-HSU SEMI-U BLADE HYDRAULIC		9,014	1.83	2.30	0.55	1.09	0.00	1.28	0.00				
7290	10-C P.S.	122 HP D	80,756	24.46	31.18	4.97	9.48	4.75	11.06	6.26				
7295	10-HA ANGLE BLADE HYDRAULIC		10,045	2.07	2.59	0.62	1.22	0.00	1.43	0.00				
7300	10-HSU SEMI-U BLADE HYDRAULIC		12,300	2.48	3.12	0.76	1.49	0.00	1.74	0.00				
7305	14-C P.S.	150 HP D	105,118	31.36	39.96	6.47	12.34	5.84	14.39	7.69				
7310	14-HA ANGLE BLADE HYDRAULIC		15,385	3.12	3.92	0.95	1.86	0.00	2.18	0.00				
7315	14-HSU SEMI-U BLADE HYDRAULIC		15,361	3.09	3.89	0.95	1.86	0.00	2.18	0.00				
7320	FD 20 P.S.	223 HP D	159,016	47.26	60.19	9.78	18.67	8.69	21.77	11.44				
7325	20-HA ANGLE BLADE HYDRAULIC		16,360	3.31	4.17	1.01	1.98	0.00	2.33	0.00				
7330	20-HS STRAIGHT BLADE HYDRAULIC		17,187	3.48	4.37	1.05	2.08	0.00	2.44	0.00				
7335	20-HSU SEMI-U BLADE HYDRAULIC		23,345	4.67	5.88	1.44	2.83	0.00	3.31	0.00				
7340	FD 30 P.S.	300 HP D	245,776	66.85	85.30	15.09	30.70	11.68	36.15	15.39				
7345	30HSU HYD. SEMI-UNIVERSAL BLADE		32,487	6.55	8.23	2.00	3.94	0.00	4.61	0.00				
7350	30-HU FULL-U BLADE HYDRAULIC		32,994	6.63	8.34	2.03	4.00	0.00	4.68	0.00				
7355	FD40 P.S.	455 HP D	354,540	86.49	107.21	20.26	39.03	17.72	44.28	23.34				
7360	40-HSU SEMI-U BLADE HYDRAULIC		49,077	9.93	12.48	3.02	5.95	0.00	6.97	0.00				
7365	40-HU FULL-U BLADE HYDRAULIC		50,320	10.21	12.83	3.09	6.10	0.00	7.15	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) *****																			
FIAT-ALLIS (CONT'D)																			
7370	40-HC	CUSHION BLADE	31,415	6.33	7.98	1.93	3.80	0.00	4.47	0.00	120								
7375	FD 50	P.S. 525 HP D	476,856	112.14	138.65	27.26	52.50	20.45	59.55	26.93	1280								
7380	50-HSU	SEMI-U BLADE HYDRAULIC	56,672	11.47	14.42	3.48	6.86	0.00	8.05	0.00	250								
7385	50-HU	FULL-U BLADE HYDRAULIC	64,876	13.08	16.47	3.98	7.85	0.00	9.22	0.00	280								
7390	50-HC	CUSHION BLADE	36,159	7.27	9.16	2.22	4.38	0.00	5.14	0.00	140								
INTERNATIONAL																			
7400	TD-7-E	P.S. W/HYD BLADE 65 HP D	48,650	14.28	18.19	3.00	5.71	2.53	6.66	3.33	139								
7405	TD-8-E	P.S. W/HYD BLADE 78 HP D	61,014	17.73	22.56	3.76	7.17	3.04	8.35	4.00	172								
7410	TD-12	P.S. W/HYD BLADE 110 HP D	89,284	25.71	32.74	5.49	10.48	4.28	12.23	5.64	267								
7415	TD-15-C	P.S. 140 HP D	116,391	33.34	42.45	7.16	13.66	5.45	15.94	7.18	271								
7420	15D-2	HYD. SEMI-UNIVERSAL BLADE	12,540	2.53	3.18	0.77	1.52	0.00	1.78	0.00	46								
7425	15G-2	ANGLE BLADE HYDRAULIC	14,145	2.85	3.59	0.87	1.72	0.00	2.01	0.00	50								
7430	TD-20-E	P.S. 210 HP D	180,069	51.25	65.19	11.08	21.14	8.18	24.65	10.77	476								
7435	20D-2	HYD. SEMI-UNIVERSAL BLADE	22,236	4.45	5.60	1.36	2.69	0.00	3.15	0.00	61								
7440	20G-2	ANGLE BLADE HYDRAULIC	14,951	3.01	3.79	0.92	1.81	0.00	2.13	0.00	71								
7445	TD-25-E	P.S. 310 HP D	231,935	64.43	82.26	14.23	28.97	12.07	34.12	15.90	700								
7450	25D-2	HYD. SEMI-UNIVERSAL BLADE	27,295	5.49	6.92	1.67	3.30	0.00	3.88	0.00	113								
7455	25G-2	ANGLE BLADE HYDRAULIC	22,488	4.56	5.75	1.38	2.72	0.00	3.20	0.00	115								
7460	FRONT PUSHER CUSHION		9,495	1.96	2.44	0.58	1.15	0.00	1.34	0.00	29								
7465	REAR PUSHER CUSHION		5,502	1.22	1.50	0.34	0.67	0.00	0.78	0.00	23								
7470	FRONT PUSH BLK FOR S/BLD		840	0.24	0.29	0.05	0.10	0.00	0.12	0.00	12								
JOHN DEERE																			
7480	JD350C/6305	D.D. W/HYD BLADE 42 HP D	33,685	9.73	12.38	2.07	3.95	1.64	4.61	2.15	107								
7485	JD450C/6405	D.D. W/HYD BLADE 65 HP D	47,676	14.06	17.92	2.93	5.59	2.53	6.53	3.33	143								
7490	JD550/6405	P.S. W/HYD BLADE 72 HP D	57,167	16.55	21.06	3.52	6.71	2.80	7.82	3.69	156								
7495	JD750 LPG	H.S. W/STR BLADE 110 HP D	106,149	29.47	37.47	6.53	12.46	4.28	14.54	5.64	336								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP										
			AVERAGE	SEVERE													
TRACTOR, CRAWLER (DOZER) (CONT'D) *****																	
JOHN DEERE (CONT'D)																	
7500	JD850 LPG H.S. W/STR BLADE	145 HP D	140,827	39.06	49.66	8.66	16.53	5.65	19.29	7.44	449						
KOMATSU																	
7510	D31A-17 H.S.	66 HP D	39,885	12.39	15.81	2.45	4.68	2.57	5.46	3.39	132						
7515	ANGLE TILTDOZER BLADE		6,465	1.33	1.66	0.40	0.78	0.00	0.91	0.00	20						
7520	D45A-1 H.S.	90 HP D	59,843	18.11	23.07	3.69	7.03	3.51	8.19	4.62	200						
7525	ANGLE TILTDOZER BLADE		4,600	0.96	1.21	0.28	0.56	0.00	0.66	0.00	24						
7530	D53A-16A H.S.	118 HP D	87,781	25.81	32.87	5.40	10.30	4.60	12.02	6.05	246						
7535	ANGLE TILTDOZER BLADE		7,658	1.57	1.97	0.47	0.93	0.00	1.09	0.00	42						
7540	D65B-6 H.S.	155 HP D	123,922	35.82	45.60	7.62	14.54	6.04	16.97	7.95	377						
7545	ANGLE TILTDOZER BLADE		9,985	2.02	2.54	0.61	1.20	0.00	1.41	0.00	61						
7550	D85A-18 H.S.	220 HP D	156,118	46.43	59.18	9.60	18.32	8.57	21.38	11.29	437						
7555	ANGLE TILTDOZER BLADE		15,619	3.17	3.97	0.96	1.89	0.00	2.21	0.00	99						
7560	U-DOZER BLADE		16,669	3.40	4.27	1.02	2.02	0.00	2.37	0.00	104						
7565	D155A-1 H.S.	320 HP D	224,423	63.34	80.92	13.77	28.03	12.46	33.01	16.42	690						
7570	ANGLE TILTDOZER BLADE		21,428	4.38	5.49	1.32	2.60	0.00	3.04	0.00	140						
7575	U-DOZER BLADE		22,644	4.62	5.79	1.39	2.74	0.00	3.21	0.00	142						
7580	D355A-3 H.S.	410 HP D	302,022	84.22	107.54	18.54	37.72	15.97	44.43	21.03	945						
7585	U-DOZER BLADE		29,116	5.96	7.48	1.79	3.53	0.00	4.14	0.00	196						
7590	STRAIGHT DOZER BLADE		26,498	5.42	6.81	1.63	3.21	0.00	3.77	0.00	184						
7595	D455A-1 H.S.	620 HP D	535,052	127.32	157.55	30.57	58.90	24.15	66.82	31.81	1445						
7600	FULL U-DOZER BLADE		70,583	14.20	17.87	4.34	8.55	0.00	10.02	0.00	229						
7605	U-DOZER BLADE		66,347	13.34	16.78	4.08	8.04	0.00	9.42	0.00	211						
7610	STRAIGHT DOZER BLADE		62,109	12.47	15.71	3.82	7.52	0.00	8.82	0.00	193						

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) (CONT'D) *****														
TEREX (GM)														
7620	D700A P.S. (W/O BLADE) 205 HP D	159,337	46.35	59.04	9.80	18.70	7.98	21.82	10.52	409				
7625	SEMI-U BLADE HYDRAULIC	15,559	3.13	3.94	0.96	1.89	0.00	2.21	0.00	58				
7630	ANGLE BLADE HYDRAULIC	17,415	3.50	4.40	1.07	2.11	0.00	2.47	0.00	69				
7635	FULL-U BLADE HYDRAULIC	17,835	3.58	4.50	1.10	2.16	0.00	2.53	0.00	68				
7640	D750 P.S. (W/O BLADE) 260 HP D	185,834	52.21	66.68	11.41	23.21	10.13	27.34	13.34	555				
7645	SEMI-U BLADE HYDRAULIC	21,978	4.40	5.54	1.35	2.66	0.00	3.12	0.00	91				
7650	ANGLE BLADE HYD. W/DUAL TILT	28,834	5.76	7.26	1.78	3.50	0.00	4.10	0.00	118				
7655	FULL-U BLADE HYDRAULIC	23,971	4.80	6.05	1.48	2.91	0.00	3.41	0.00	107				
7660	D800 P.S. (W/O BLADE) 350 HP D	249,469	70.12	89.56	15.30	31.15	13.63	36.69	17.95	787				
7665	SEMI-U BLADE HYDRAULIC	28,718	5.80	7.30	1.76	3.48	0.00	4.08	0.00	118				
7670	FULL-U BLADE HYDRAULIC	31,482	6.36	8.00	1.94	3.82	0.00	4.47	0.00	129				
7675	CUSHIONED PUSH BLADE	27,512	5.55	6.99	1.69	3.33	0.00	3.91	0.00	113				
7680	PUSH PLATE (WELD ON)	1,158	0.28	0.34	0.07	0.14	0.00	0.17	0.00	6				
7685	PUSH BLOCK (CUSHION REAR)	7,390	1.58	1.96	0.46	0.90	0.00	1.05	0.00	21				
TRACTOR, WHEEL TYPE (DOZER) *****														
CATERPILLAR														
7695	814-B ARTICULATED ST BLADE P.S. 210 HP D	157,907	39.87	52.25	9.54	18.43	7.58	21.54	9.97	494				
7700	824-C ARTICULATED ST BLADE P.S. 300 HP D	232,796	59.86	80.34	13.94	26.64	10.83	31.10	14.25	624				
7705	834-B ARTICULATED ST BLADE P.S. 450 HP D	334,513	85.04	113.38	19.90	37.76	16.24	44.04	21.37	892				
CLARK														
7715	280B ARTICULATED ST BLADE P.S. 302 HP D	254,011	63.95	85.65	15.23	29.13	10.90	34.01	14.34	749				
7720	380B ARTICULATED ST BLADE P.S. 572 HP D	430,207	109.35	146.25	25.54	48.38	20.65	56.41	27.17	1253				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, WHEEL TYPE (FARM) *****														
JOHN DEERE														
7730	MOD 301 A	43 HP D	13,572	4.57	6.02	0.82	1.58	1.55	1.84	2.04	38			
7735	MOD 302	50 HP D	15,288	5.21	6.81	0.93	1.78	1.80	2.08	2.37	42			
7740	MOD 401 B	62 HP D	17,296	6.15	8.05	1.04	2.00	2.24	2.34	2.94	45			
TRENCHER, CHAIN *****														
DITCH WITCH														
7750	MOD C99 6"X24" TRENCH	9 HP G	3,266	1.56	2.01	0.20	0.38	0.68	0.44	0.88	6			
7755	MOD 2200 8"X36" TRENCH	18 HP G	13,269	4.52	5.79	0.81	1.58	1.35	1.85	1.76	30			
7760	MOD 2300 10"X36" TRENCH	28 HP G	18,482	6.58	8.43	1.13	2.21	2.11	2.59	2.75	33			
7765	MOD 6510 12"X54" TRENCH	64 HP D	33,595	10.05	12.86	2.05	3.99	2.31	4.66	3.04	106			
7770	MOD R100 10"X72" TRENCH	105 HP D	68,892	19.36	24.74	4.20	8.20	3.79	9.59	4.99	176			
VERMEER														
7785	MOD V-430 10"X40" TRENCH	24 HP D	22,665	5.86	7.47	1.38	2.71	0.87	3.18	1.14	37			
7790	MOD M-455 18"X72" TRENCH	44 HP D	44,505	11.39	14.54	2.71	5.30	1.59	6.22	2.09	82			
7795	MOD M-475 18"X72" TRENCH	55 HP D	49,194	12.89	16.42	3.01	5.87	1.99	6.87	2.61	89			
7800	MOD T-600024"X96" TRENCH	113 HP D	77,629	21.41	27.33	4.77	9.38	4.08	11.00	5.37	202			
7805	MOD T-800B36"X96" TRENCH	175 HP D	152,645	39.93	50.85	9.38	18.45	6.32	21.62	8.31	419			
TRENCHER, WHEEL TYPE *****														
BARBER-GREENE														
7815	MOD TA 56 16"X5'-10" TRENCH	100 HP D	126,659	31.04	39.45	7.78	15.31	3.61	17.94	4.75	254			
7820	MOD TA 65 28"X7'-6" TRENCH	160 HP D	184,307	45.84	58.29	11.32	22.28	5.78	26.11	7.60	431			
7825	MOD TA 77 32"X8'-6" TRENCH	160 HP D	236,147	56.66	71.96	14.51	28.55	5.78	33.46	7.60	605			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRENCHER, WHEEL TYPE (CONT'D)														
CLEVELAND														
7835	MOD 236 17"X72" TRENCH	67 HP D	101,711	24.31	30.87	6.25	12.29	2.42	14.41	3.18 180				
7840	MOD 236HD 21"X72" TRENCH	67 HP D	110,719	26.20	33.24	6.81	13.39	2.42	15.68	3.18 200				
7845	MOD 246 25"X72" TRENCH	67 HP D	114,066	26.89	34.12	7.01	13.79	2.42	16.16	3.18 206				
7850	MOD 350 30"X90" TRENCH	150 HP D	216,014	51.99	66.02	13.27	26.11	5.41	30.60	7.12 455				
7855	MOD 400WHD36"X114" TRENCH	175 HP D	268,348	64.07	81.35	16.49	32.44	6.32	38.02	8.31 659				
TRUCKS, HIGHWAY														

(CHASSIS ONLY)														
FORD														
7870	F150 4X2 1/2T PKUP	6100 GVW 157 HP G	7,266	5.57	7.24	0.54	1.18	2.68	1.36	3.58 38				
7875	F150 4X4 1/2T PKUP	6250 GVW 157 HP G	9,029	6.09	7.91	0.68	1.47	2.68	1.70	3.58 42				
7880	F250 4X2 3/4T PKUP	6900 GVW 157 HP G	7,733	5.74	7.44	0.57	1.23	2.68	1.42	3.58 40				
7885	F250 4X4 3/4T PKUP	7400 GVW 157 HP G	9,368	6.24	8.09	0.70	1.51	2.68	1.74	3.58 44				
7890	F350 2AX	10000 GVW 157 HP G	8,847	6.13	7.95	0.65	1.39	2.68	1.60	3.58 42				
7895	F600 2AX	18500 GVW 154 HP G	16,039	11.61	15.12	1.05	2.06	6.14	2.53	7.90 65				
7900	F600 2AX	18500 GVW 162 HP D	22,286	9.72	12.85	1.46	2.90	3.79	3.59	4.93 65				
7905	F700 2AX	24500 GVW 177 HP G	18,597	13.36	17.38	1.22	2.41	7.06	2.96	9.08 65				
7910	F700 2AX	24500 GVW 162 HP D	25,179	10.34	13.67	1.66	3.30	3.79	4.07	4.93 73				
7915	F800 2AX	27000 GVW 177 HP G	20,496	13.80	17.98	1.33	2.63	7.06	3.24	9.08 72				
7920	F800 2AX	27000 GVW 162 HP D	26,396	10.89	14.35	1.71	3.34	3.79	4.10	4.93 76				
7925	LT800 3AX	43000 GVW 223 HP G	31,982	24.92	32.50	2.10	4.27	13.22	5.29	17.03 110				
7930	LT8000 3AX	44800 GVW 175 HP D	43,966	18.03	23.88	2.89	5.91	6.14	7.32	7.99 126				
7935	LTS8000 3AX	46000 GVW 175 HP D	46,025	18.50	24.48	3.03	6.20	6.14	7.67	7.99 130				
7940	LNT8000 3AX	46000 GVW 175 HP D	43,512	17.95	23.75	2.86	5.84	6.14	7.23	7.99 124				
7945	CT8000 3AX	46000 GVW 175 HP D	50,757	19.51	25.86	3.34	6.86	6.14	8.50	7.99 136				
7950	LT9000 3AX 58000 GVW	82000 GCW 239 HP D	66,865	26.10	34.58	4.41	9.04	8.39	11.20	10.91 172				
7955	LTS9000 3AX 60000 GVW	82000 GCW 239 HP D	71,043	27.05	35.87	4.68	9.59	8.39	11.89	10.91 180				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRUCKS, HIGHWAY (CONT'D)														
***** (CHASSIS ONLY)														
FORD (CONT'D)														
7960	LNT9000	3AX 60000 GVW 82000 GOW 239 HP D	67,376	26.25	34.80	4.43	9.07	8.39	11.25	10.91	175			
7965	CLT9000	3AX 82000 GOW 286 HP D	66,252	27.99	37.04	4.37	8.99	10.04	11.15	13.05	149			
GMC AND CHEVROLET														
7975	C10903	4X2 1/2T PKUP 6100 GW 165 HP G	8,050	5.99	7.77	0.60	1.30	2.82	1.50	3.76	46			
7980	C10906	4X2 SUBURBAN 6800 GW 160 HP G	10,307	6.53	8.42	0.77	1.68	2.74	1.93	3.65	52			
7985	K10906	4X4 SUBURBAN 7000 GW 165 HP G	11,210	6.90	8.91	0.84	1.83	2.82	2.11	3.76	56			
7990	C20903	4X2 3/4T PKUP 8600 GW 165 HP G	10,599	6.71	8.68	0.79	1.72	2.82	1.99	3.76	49			
7995	K20903	4X4 3/4T PKUP 6600 GW 165 HP G	11,284	6.95	8.98	0.84	1.84	2.82	2.12	3.76	54			
8000	C30903	2AX 9000 GW 160 HP G	10,360	6.64	8.57	0.76	1.64	2.74	1.89	3.65	62			
8005	C5D042	2AX 18500 GW 161 HP G	14,795	11.72	15.24	0.96	1.89	6.42	2.32	8.26	59			
8010	C6D042	2AX 19200 GW 161 HP G	16,064	11.99	15.60	1.05	2.06	6.42	2.53	8.26	63			
8015	C6D042	2AX 23160 GW 165 HP D	22,812	9.92	13.12	1.50	2.98	3.86	3.67	5.02	73			
8020	C7D042	2AX 23160 GW 179 HP G	17,017	13.17	17.13	1.10	2.16	7.14	2.67	9.18	78			
8025	C7D042	2AX 29900 GW 225 HP D	34,084	14.22	18.78	2.24	4.44	5.26	5.46	6.84	96			
8030	C7D064	3AX 44860 GW 207 HP G	30,582	23.54	30.69	1.98	4.00	12.27	4.95	15.81	123			
8035	C7D064	3AX 44500 GW 205 HP D	36,792	17.89	23.60	2.40	4.87	7.20	6.03	9.35	127			
8040	J8C042	2AX 33200 GW 235 HP D	42,281	20.20	26.66	2.79	5.73	8.25	7.10	10.72	107			
8045	J8C064	3AX 48860 GW 210 HP D	47,484	20.42	27.02	3.12	6.38	7.37	7.91	9.58	140			
8050	J9C042	2AX 53911 GW 230 HP D	46,846	17.15	22.72	3.08	6.12	5.38	7.55	7.00	122			
8055	J9C064	3AX 48860 GW 300 HP D	55,324	26.17	34.56	3.64	7.49	10.53	9.28	13.69	144			
8060	N9E064	3AX 52000 GW 307 HP D	57,291	27.03	35.67	3.76	7.70	10.78	9.54	14.01	141			
8065	N9E064	3AX 62000 GW 307 HP D	66,825	29.24	38.63	4.39	8.99	10.78	11.13	14.01	180			
INTERNATIONAL														
8075	1654	2AX 16000 GW 155 HP D	16,994	8.34	10.99	1.12	2.22	3.63	2.73	4.72	57			
8080	1724	2AX 16000 GW 147 HP G	15,130	11.01	14.32	1.00	1.97	5.87	2.43	7.54	65			

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

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

(CHASSIS ONLY)														
INTERNATIONAL (CONT'D)														
8085	1754	2AX	16000 GVW	165 HP D	21,845	9.65	12.76	1.44	2.88	3.86	3.56	5.02	71	
8090	1954	2AX	21700 GVW	180 HP D	27,535	11.37	15.03	1.81	3.62	4.21	4.46	5.48	100	
8095	P2554	3AX	43000 GVW	210 HP D	44,127	19.70	26.04	2.90	5.91	7.37	7.33	9.58	123	
8100	P2574	3AX	50000 GVW	230 HP D	58,477	23.71	31.40	3.86	7.94	8.07	9.84	10.49	123	
8105	P4370	3AX	48860 GVW	300 HP D	61,367	27.47	36.34	4.05	8.34	10.53	10.35	13.69	133	
8110	P5050	3AX	54000 GVW	210 HP D	59,728	23.07	30.60	3.94	8.11	7.37	10.06	9.58	138	
8115	P5070	3AX	54000 GVW	230 HP D	62,437	24.55	32.56	4.13	8.49	8.07	10.54	10.49	140	
KENWORTH														
8125	K100	3AX	48000 GVW	85000 GCW 300 HP D	65,710	28.45	37.64	4.34	8.94	10.53	11.08	13.69	138	
8130	W900	3AX	48000 GVW	85000 GCW 300 HP D	66,211	28.56	37.79	4.38	9.01	10.53	11.17	13.69	140	
8135	C500	3AX	56000 GVW	85000 GCW 270 HP D	71,209	28.28	37.50	4.71	9.71	9.48	12.05	12.32	144	
PETERBILT														
8145	MOD 348	3AX	50000 GVW	85000 GCW 245 HP D	73,137	27.82	36.93	4.83	9.92	8.60	12.30	11.18	121	
8150	MOD 362	3AX	46000 GVW	85000 GCW 300 HP D	64,114	28.10	37.17	4.23	8.71	10.53	10.80	13.69	131	
8155	MOD 359	3AX	46000 GVW	85000 GCW 300 HP D	61,802	27.60	36.50	4.08	8.39	10.53	10.40	13.69	134	
8160	MOD 353	3AX	56000 GVW	130000 GCW 350 HP D	68,871	31.37	41.49	4.55	9.38	12.28	11.64	15.97	174	
TRUCK ACCESSORIES														

(CHASIS NOT INCLUDED)														
CRANES, HYDRAULIC														
8170	5.3T@5' RAD	24000 GVW MIN			25,385	5.86		1.71	3.59	0.00		79		
8175	8.0T@3' RAD	26500 GVW MIN			30,549	7.04		2.06	4.33	0.00		84		
8180	12.5T@4' RAD	27000 GVW MIN			47,268	10.82		3.18	6.69	0.00		142		
8185	13.5T@4' RAD	44000 GVW MIN			58,517	13.38		3.94	8.29	0.00		158		
8190	15.0T@4' RAD	48000 GVW MIN			64,616	14.76		4.35	9.15	0.00		211		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT	
			CONDITION	STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL	AVERAGE FUEL		
TRUCK ACCESSORIES (CONT'D) ***** (CHASIS NOT INCLUDED)										
	DUMP BODY, REAR, W/HOIST									
8200	5CY 24000 TO 26000 GVW	6,062	1.47	1.95	0.41	0.86	0.00	1.07	0.00	26
8205	AIR GATE 8CY 27000 TO 30000 GVW	9,572	2.27	3.01	0.65	1.36	0.00	1.68	0.00	44
8210	AIR GATE 10CY 36000 AND UP GVW	9,677	2.29	3.06	0.65	1.37	0.00	1.71	0.00	45
8215	AIR GATE 12CY 36000 AND UP GVW	9,814	2.32	3.10	0.66	1.39	0.00	1.73	0.00	46
FLATBEDS W/CONT. SIDES										
8225	8'X9.5'	1,944	0.44		0.13	0.27	0.00			11
8230	8'X10.5'	2,003	0.46		0.14	0.29	0.00			12
8235	8'X12.5'	2,187	0.50		0.15	0.31	0.00			14
8240	8'X14.5'	2,601	0.59		0.18	0.37	0.00			16
8245	8'X16.5'	2,848	0.64		0.19	0.40	0.00			18
8250	FLATBED-HOIST	2,725	0.62		0.19	0.39	0.00			10
HOISTS, ELECTRIC										
8260	1500LB@1.75'	2,336	0.62		0.16	0.33	0.00			4
8265	2400LB@3'	2,712	0.71		0.19	0.39	0.00			6
8270	5000LB@4'	7,500	1.79		0.51	1.06	0.00			15
8275	6000LB@6'	8,471	2.01		0.57	1.20	0.00			14
TRANSIT MIXERS										
8285	7 CY 40000 - 50000 GVW RQD	26,407	6.12		1.78	3.74	0.00			63
8290	8 CY 50000 - 70000 GVW RQD	26,811	6.22		1.81	3.80	0.00			66
8295	8.5CY 55000 - 75000 GVW RQD	27,082	6.27		1.82	3.83	0.00			68
8300	9 CY 61000 - 80000 GVW RQD	27,458	6.36		1.85	3.89	0.00			73
WATER TANKS										
8310	2000 GAL 23500-28000 GVW	11,742	2.66		0.79	1.66	0.00			35
8315	2500 GAL 25000-34950 GVW	12,363	2.80		0.84	1.75	0.00			39

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
TRUCK ACCESSORIES (CONT'D)												
(CHASIS NOT INCLUDED)												
WATER TANKS (CONT'D)												
8320	3000 GAL 29000-40000 GVW	13,132	2.98		0.89	1.86	0.00		44			
TRUCK TRAILERS												
BOTTOM DUMP												
8330	18CY 27T	25,625	5.07	6.33	1.52	2.99	0.00	3.51	0.00			
8335	20CY 30T	30,415	5.95	7.45	1.81	3.59	0.00	4.22	0.00			
8340	30CY 30T	30,643	5.99	7.49	1.83	3.62	0.00	4.24	0.00			
8345	28CY 42T	36,557	7.15	8.97	2.18	4.29	0.00	5.04	0.00			
8350	20CY 35T OFF-HIGHWAY	43,280	8.38	10.52	2.59	5.14	0.00	6.04	0.00			
8355	32CY 55T OFF-HIGHWAY	91,624	18.11	22.67	5.41	10.55	0.00	12.36	0.00			
8360	43CY 70T OFF-HIGHWAY	102,067	20.28	25.37	6.00	11.67	0.00	13.66	0.00			
END DUMP												
8370	20CY 24T	34,057	6.61	8.29	2.04	4.04	0.00	4.75	0.00			
LOWBOY, RIGID NECK, DROP DECK												
8380	25 TON 2 AXLE	20,179	3.60		1.21	2.13	0.00		89			
8385	30 TON 2 AXLE	22,390	3.99		1.33	2.35	0.00		94			
8390	35 TON 2 AXLE	24,403	4.35		1.45	2.56	0.00		109			
8395	35 TON 3 AXLE	28,063	5.06		1.67	2.94	0.00		134			
8400	40 TON 3 AXLE	29,275	5.29		1.74	3.04	0.00		144			
8405	50 TON 3 AXLE	33,715	6.06		2.01	3.52	0.00		161			
8410	60 TON 3 AXLE	36,371	6.58		2.14	3.74	0.00		188			
8415	70 TON 3 AXLE	44,236	7.85		2.63	4.63	0.00		213			
8420	75 TON 3 AXLE	45,571	8.07		2.71	4.78	0.00		228			
8425	80 TON 4 AXLE	52,248	9.24		3.12	5.51	0.00		266			
8430	90 TON 4 AXLE	56,278	9.97		3.36	5.92	0.00		297			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.				
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
TRUCK TRAILERS (CONT'D) *****												
LOWBOY (CONT'D)												
8435	100 TON 4 AXLE	62,866	11.10		3.75	6.62	0.00			313		
8440	120 TON 4 AXLE	73,076	13.13		4.31	7.53	0.00			351		
8445	HELPER DOLLY 60 T TRAILER MAX	17,381	3.22		1.02	1.77	0.00			62		
PLATFORM TRAILERS												
8455	25 TON 2 AXLE	16,223	3.03		0.95	1.64	0.00			110		
PUP TRAILERS												
8465	8 CY LONG TONGUE	20,225	3.70		1.20	2.09	0.00			86		
8470	10CY LONG TONGUE	20,385	3.72		1.20	2.10	0.00			86		
TIILT TRAILERS												
8480	12 TON 2 AXLE	10,700	2.01		0.62	1.08	0.00			62		
8485	16 TON 2 AXLE	12,286	2.32		0.72	1.24	0.00			65		
8490	20 TON 2 AXLE	13,378	2.52		0.78	1.34	0.00			67		
WATER TANKER TRAILERS												
8500	4000 GAL	63 HP D	30,864	7.55		1.75	3.21	2.27		120		
8505	5000 GAL	63 HP D	32,508	7.90		1.83	3.31	2.27		150		
8510	6000 GAL	63 HP D	33,940	8.11		1.91	3.46	2.27		160		
TRUCKS, OFF-HIGHWAY *****												
CATERPILLAR												
8520	769-C 35T 22-30 CY	P.S. 450 HP D	287,518	63.93	81.57	16.15	30.48	10.26	34.51	13.25	711	
8525	773-B 50T 30-45 CY	P.S. 650 HP D	404,286	91.88	118.00	22.62	42.51	14.82	48.08	19.14	908	
8530	777 85T 47-67 CY	P.S. 870 HP D	562,481	124.69	159.93	31.24	58.20	19.84	65.77	25.62	1391	
8535	768C PRIME MOVER TRACTOR	P.S. 450 HP D	256,685	59.04	75.62	14.39	27.09	10.26	30.66	13.25	530	
8540	772B PRIME MOVER TRACTOR	P.S. 650 HP D	385,486	90.98	118.17	21.42	39.93	14.82	45.13	19.14	707	

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

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

DJB (ARTICULATED FRAME)														
8550	D275B	27.5T 15-20 CY	P.S. 235 HP D	188,312	39.64	50.22	10.55	19.83	5.36	22.44	6.92	424		
8555	D330B	33T 17-23 CY	P.S. 255 HP D	227,044	46.52	58.69	12.75	24.05	5.81	27.21	7.51	444		
8560	D350B	35T 20-26 CY	P.S. 255 HP D	237,032	49.98	63.99	13.16	24.51	5.81	27.70	7.51	472		
8565	D550	55T 32-43 CY	P.S. 450 HP D	396,569	83.69	106.83	22.07	41.22	10.26	46.60	13.25	834		
EUCLID														
8575	R25-215FD	25T 14-19 CY	P.S. 214 HP D	188,036	38.31	48.44	10.55	19.88	4.88	22.49	6.30	404		
8580	R35-302TD	35T 22-30 CY	P.S. 450 HP D	299,500	65.39	83.06	16.86	31.91	10.26	36.13	13.25	623		
8585	R50-301LD	50T 31-41 CY	P.S. 608 HP D	394,523	89.04	114.47	22.06	41.43	13.86	46.86	17.91	836		
8590	R75-301ND	75T 46-69 CY	P.S. 646 HP D	527,179	111.33	142.51	29.31	54.69	14.73	61.82	19.02	1123		
8595	R85-306ND	85T 52-67 CY	P.S. 755 HP D	542,578	118.02	151.56	30.10	56.01	17.21	63.29	22.23	1227		
INTERNATIONAL														
8605	350B	50T 31-42 CY	P.S. 580 HP D	382,635	85.08	109.08	21.53	40.71	13.22	46.08	17.08	740		
TEREX														
8615	33-03B	22T 15-18 CY	P.S. 215 HP D	165,978	35.57	45.38	9.32	17.58	4.90	19.91	6.33	400		
8620	33-05B	30T 19-23 CY	P.S. 321 HP D	239,986	51.81	66.14	13.47	25.41	7.32	28.76	9.45	525		
8625	33-07	40T 25-32 CY	P.S. 493 HP D	297,408	69.75	90.55	16.53	30.84	11.24	34.87	14.52	756		
8630	33-09	55T 34-44 CY	P.S. 624 HP D	401,564	92.73	120.24	22.33	41.69	14.23	47.13	18.38	992		
8635	33-11C	85T 51-65 CY	P.S. 840 HP D	565,374	124.22	159.30	31.40	58.51	19.15	66.13	24.74	1350		
WABCO														
8645	HAULPAK35D	35T 23-29 CY	P.S. 420 HP D	297,178	64.54	82.24	16.70	31.54	9.58	35.71	12.37	630		
8650	HAULPAK50B	50T 31-40 CY	P.S. 576 HP D	414,028	91.15	116.96	23.17	43.57	13.13	49.30	16.96	792		
8655	HAULPAK60B	60T 34-48 CY	P.S. 642 HP D	447,401	100.54	129.78	24.95	46.73	14.64	52.85	18.91	900		
8660	75C	75T 44-57 CY	P.S. 679 HP D	502,850	107.92	138.08	27.98	52.24	15.48	59.05	20.00	950		
8665	85D	85T 47-67 CY	P.S. 818 HP D	559,103	122.56	157.22	31.04	57.82	18.65	65.34	24.09	1240		

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

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

TRACTOR DRAWN - KLEIN														
8675	KT-50	5000 GAL. CAT 613B P.S. 150 HP D	132,665	28.62	35.07	7.52	13.21	5.41	14.81	7.12	320			
8680	KT-60	6000 GAL. CAT 621B P.S. 330 HP D	233,283	54.11	66.70	13.14	22.91	11.91	25.65	15.67	564			
8685	KT-80	8000 GAL. CAT 631D P.S. 450 HP D	321,429	74.64	92.04	18.07	31.41	16.24	35.16	21.37	740			
8690	KT-100	10000 GAL. CAT 631D P.S. 450 HP D	329,566	75.89	93.51	18.54	32.26	16.24	36.12	21.37	798			
8695	KT-100	10000 GAL. CAT 641B P.S. 550 HP D	370,688	87.86	108.55	20.79	36.06	19.85	40.36	26.12	931			
8700	KT-120	12000 GAL. CAT 651B P.S. 550 HP D	390,307	90.86	112.08	21.93	38.11	19.85	42.66	26.12	1097			
TRACTOR DRAWN - SOUTHWEST														
8710	STT-60	6000 GAL. CAT 621B P.S. 330 HP D	231,182	53.79	66.33	13.02	22.69	11.91	25.41	15.67	594			
8715	STT-80	8000 GAL. CAT 631D P.S. 450 HP D	319,438	74.33	91.69	17.95	31.20	16.24	34.93	21.37	800			
8720	STT-100	10000 GAL. CAT 631D P.S. 450 HP D	323,511	74.95	92.42	18.18	31.62	16.24	35.41	21.37	840			
8725	STT-120	12000 GAL. CAT 651B P.S. 550 HP D	393,969	91.42	112.73	22.14	38.49	19.85	43.08	26.12	1054			
8730	STT-140	14000 GAL. CAT 651B P.S. 550 HP D	399,838	92.32	113.80	22.48	39.11	19.85	43.78	26.12	1089			
WAGONS, BOTTOM DUMP														

CATERPILLAR-ATHey														
8740	621B/PW621B	33T 22-26CY P.S. 330 HP D	246,864	59.32	76.64	13.76	25.75	11.91	29.12	15.67	579			
8745	768B/PW768C	63T 42-48CY P.S. 450 HP D	378,078	88.16	113.42	21.00	39.16	16.24	44.26	21.37	935			
8750	772B/PW772B	100T 60-67CY P.S. 650 HP D	603,133	142.48	186.83	33.26	61.50	23.46	69.44	30.87	1350			
EUCLID														
8760	B30-303TDT301W	30T 21-27CY P.S. 277 HP D	225,155	53.32	68.95	12.50	23.31	10.00	26.35	13.16	483			
8765	B70-203LDT147W	70T 47-62CY P.S. 423 HP D	383,428	83.45	105.31	21.59	40.86	15.27	46.27	20.09	934			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT		
			CONDITION	STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL	FUEL			
	AVERAGE	SEVERE									
WAGONS, REAR DUMP *****											
CATERPILLAR-ATHEY											
8775	621B/PR621B	33T 22-26CY P.S. 330 HP D	259,529	61.45	79.27	14.47	27.09	11.91	30.63	15.67	630
8780	631D/PR631D	40T 27-32CY P.S. 450 HP D	368,915	86.10	110.88	20.60	38.64	16.24	43.70	21.37	833
WATER BLASTER *****											
AMERICAN AERO											
8790	WBD 90 10000 PSI @ 10 GPM W/2 NOZ	91 HP D TRAILER MOUNTED	33,152	17.95		2.55	5.81	4.84		42	
8795	WBDI50 10000 PSI @ 20 GPM W/2 NOZ	160 HP D TRAILER MOUNTED	50,174	28.69		3.87	8.81	8.51		70	
WATER TANKS *****											
SKID MOUNTED											
8805	WST-8 8000 GAL.	SOUTHWEST	15,029	2.23		0.87	1.61	0.00		107	
8810	WST-10 10000 GAL.	SOUTHWEST	17,518	2.60		1.01	1.88	0.00		122	
8815	WST-12 12000 GAL.	SOUTHWEST	20,382	3.03		1.18	2.19	0.00		142	
PORTABLE (WITH WHEELS)											
8825	EWT-8 8000 GAL.	SOUTHWEST	8 HP G	27,483	4.90		1.57	2.87	0.60	130	
8830	EWT-10 10000 GAL.	SOUTHWEST	8 HP G	31,010	5.41		1.76	3.24	0.60	170	
8835	EWT-12 12000 GAL.	SOUTHWEST	8 HP G	34,406	5.92		1.96	3.61	0.60	185	
WELDERS *****											
ELECTRIC DRIVE - AC 3 PHASE 60 HZ											
8845	300 AMP	SKID MTD	20 HP E	2,356	1.52		0.16	0.32	0.84	7	
8850	400 AMP	SKID MTD	25 HP E	2,814	1.88		0.19	0.38	1.05	9	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL OWNER-SHIP	SEVERE COND. FUEL									
			AVERAGE	SEVERE													
WELDERS (CONT'D) *****																	
GASOLINE ENGINE DRIVE																	
8860	200 AMP	W/1 AXLE TRLR	39 HP G	4,733	5.75	0.35	0.74	3.60	11								
8865	250 AMP	W/1 AXLE TRLR	39 HP G	4,964	5.81	0.37	0.78	3.60	17								
8870	300 AMP	W/1 AXLE TRLR	65 HP G	5,400	8.91	0.40	0.85	6.00	17								
8875	400 AMP	W/1 AXLE TRLR	69 HP G	6,877	9.78	0.51	1.09	6.37	21								
DIESEL ENGINE DRIVE																	
8885	250 AMP	W/1 AXLE TRLR	27 HP D	6,429	3.26	0.48	1.02	1.21	21								
8890	300 AMP	W/1 AXLE TRLR	38 HP D	6,879	3.99	0.51	1.09	1.70	21								
8895	350 AMP	W/2 AXLE TRLR	38 HP D	7,733	4.23	0.57	1.21	1.70	25								
8900	400 AMP	W/2 AXLE TRLR	64 HP D	8,355	5.84	0.62	1.31	2.86	30								
MIG																	
8910	300AMP W/WIRE FEED AND SHOP GEAR	10 HP E	2,405	1.00	0.17	0.33	0.42		5								
8915	450AMP W/WIRE FEED AND SHOP GEAR	20 HP E	2,475	1.55	0.17	0.34	0.84		5								
RECTIFIER																	
8925	200 AMP	W/SHOP RUNNING GEAR	19 HP E	1,082	1.24	0.08	0.15	0.80	4								
8930	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,385	1.57	0.09	0.19	1.01	6								
8935	750 AMP	W/SHOP RUNNING GEAR	30 HP E	3,824	2.35	0.26	0.52	1.26	7								
8940	1000AMP	W/SHOP RUNNING GEAR	42 HP E	6,705	3.53	0.45	0.91	1.76	10								
TRANSFORMER-RECTIFIER																	
8950	250 AMP	W/SHOP RUNNING GEAR	19 HP E	490	1.13	0.03	0.07	0.80	4								
8955	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,660	1.61	0.11	0.22	1.01	6								

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

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

Examples: Assume that a two-year old 50-ton truck crane listed in TABLE 3-1 has a total hourly rate of \$55.00 per hour and an ownership rate of \$30.00 per hour.

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

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

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

Total Hourly Rate	= \$55.00/Hr.
Ownership Rate	(-) \$30.00/Hr.
Ownership adjusted for Age: (Ownership Rate) x (Oldest Age Adj. Factor)	
= (\$30.00) x (.44)	= (+) \$13.20/Hr.
Adjusted Total Hourly Rate	= \$38.20/Hr.

C. If an equivalent crane, manufactured in 1970, had been purchased used in 1978 by the Contractor, the crane is over-age and the rate computation would be identical to Example B.

D. If an equivalent crane, manufactured in 1980, had been purchased used in 1982 by the Contractor, the used crane is not over-age and the rate computation would be identical to Example A.

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW											
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	
15	AGGREGATE SPREADERS	1.03	1.01	1.00	1.02	0.95	0.87	0.79					
30	AIR COMPRESSORS	1.05	1.00	1.00	0.98	0.91	0.96	0.88					
45	AIR TOOLS, SANDBLASTERS, ETC	1.05	1.00	1.00									
60	ASPHALT DISTRIBUTORS	1.03	1.01	1.00	1.02	0.95	0.87	0.79					
65	ASPHALT AND CONCRETE PAVERS	1.03	1.01	1.00	1.02	0.95	0.87	0.79					
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.02	1.00	0.97	0.90	0.80						
	BACKHOE (SEE KEY NO. 570-601)												
75	BROOMS	1.04	1.02	1.00	0.97	0.90	0.79	0.68					
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.97	0.90	0.80	0.69					
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	1.02	0.96	0.86	0.71					
95	BUCKETS, CONCRETE	1.03	1.01	1.00	1.02	0.96	0.85	0.70					
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.97	0.90	0.80						
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.97	0.90	0.80						
125	CONCRETE FINISHERS & BUGGIES	1.05	1.02	1.00	0.97								
130	CONCRETE SAWS	1.04	1.02	1.00	0.97	0.90	0.80						
135	CONCRETE VIBRATORS	1.05	1.00	1.00									
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.05	1.00	1.00	0.98								
150	0 THRU 25 TON	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.62			
165	OVER 25 TON THRU 50 TON	1.05	1.03	1.00	0.98	0.91	0.83	0.75	0.68	0.62	0.58		
170	OVER 50 TON THRU 150 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.53	0.43
180	OVER 150 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.54	0.43
	DRAGLINE & CLAMSHELL, CRAWLER												
185	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67				
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.75	0.68	0.62	0.58		
195	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.53	0.43
196	OVER 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.54	0.43
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.54	
205	CRANES, TOWER	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.62	0.57	0.52	0.41
	CRANES & HYD. EXC. , TRK MTD												
210	UNDER 26 T. (THRU 1 CY)	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.69	0.63	0.59	0.54	0.44
230	66 THRU 125 T	1.05	1.03	1.00	0.98	0.91	0.84	0.76	0.69	0.64	0.60	0.54	0.44
240	OVER 125 T	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.69	0.64	0.59	0.54	0.37
255	DRILL, AUGER	1.01	0.99	1.00	0.99	0.91	0.77	0.67					
270	DRILL, BLAST HOLE	1.01	0.99	1.00	0.99	0.91	0.77	0.67					
300	DRILL, CORE	1.01	0.99	1.00	0.99	0.91	0.77	0.67					
315	DRILL, ROTARY TO 11" DIA. HOLE	1.01	0.99	1.00	0.99	0.91	0.78	0.68	0.63	0.57	0.54		
330	DRILL, ROTARY OVER 11" DIA.	1.01	0.99	1.00	0.99	0.91	0.79	0.69	0.64	0.58	0.55	0.53	0.46
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.01	0.99	1.00	0.99	0.91	0.79	0.69	0.64	0.58	0.55	0.53	0.46
375	FORK LIFTS	1.04	1.02	1.00	0.97	0.90	0.80	0.69					
390	GRADERS	1.05	1.03	1.00	0.97	0.88	0.80	0.70	0.64				
420	GENERATORS	1.05	1.03	1.00	0.97	0.95	0.83						
435	HOIST	1.04	1.02	1.00	0.97	0.90	0.80	0.69					
	HYD. EXCAVATOR (SEE KEY NO. 570-601)												
440	LIGHT PLANTS	1.04	1.02	1.00	0.97	0.89	0.79						
450	LOADER, BELT	1.04	1.02	1.00	0.97	0.90	0.79	0.68					
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.02	1.00	1.00	0.96	0.87	0.78	0.69					
	LOADER, WHEEL TYPE												
465	0 THRU 225 HP	1.06	1.03	1.00	0.97	0.87	0.72	0.62					
470	OVER 225 HP	1.05	1.03	1.00	0.98	0.88	0.74	0.65	0.58				
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.06	1.03	1.00	0.97	0.87	0.72	0.62					

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW											
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.02	1.00	0.97								
485	PIPELAYERS	1.02	1.00	1.00	0.96	0.86	0.77	0.67	0.58				
	PUMP, GROUT (SEE KEY NO. 105)												
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.97	0.90	0.79	0.68					
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.97	0.90	0.79	0.68					
510	RIPPERS	1.02	1.00	0.98	0.87	0.78							
525	ROLLERS, EXCEPT VIB. ROLLERS	1.08	1.05	1.00	0.91	0.84	0.75	0.67					
530	ROLLERS, VIBRATORY	1.08	1.06	1.00	0.90	0.83	0.74						
540	SCRAPERS, STANDARD	1.05	1.03	1.00	0.98	0.89	0.80	0.71					
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.05	1.03	1.00	0.98	0.89	0.80	0.71					
545	0 THRU 200 HP	1.05	1.03	1.00	0.97	0.89	0.80	0.70					
550	OVER 200 HP	1.05	1.03	1.00	0.98	0.89	0.80	0.71					
555	SCRAPERS, TRACTOR DRAWN	1.05	1.03	1.00	0.98	0.89	0.81	0.72	0.66				
560	SOIL STABILIZERS SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED	1.05	1.03	1.00	0.97	0.89	0.80	0.70					
570	0 THRU 1 CY	1.06	1.03	1.00	0.97	0.90	0.82						
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.74					
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68				
600	OVER 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59		
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.53	0.43
615	0 THRU 225 HP	1.02	1.00	1.00	0.96	0.86	0.78	0.68					
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.02	1.00	1.00	0.96	0.87	0.79	0.70					
625	OVER 425 HP	1.02	1.00	1.00	0.96	0.87	0.79	0.70	0.63				
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.02	1.00	1.00	0.96	0.87	0.78	0.69					
645	TRACTOR, WHEEL TYPE	1.05	1.03	1.00	0.99	0.90	0.80	0.69					
650	TRENCHER	1.04	1.02	1.00	0.93	0.81	0.69	0.59					
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.97	0.90	0.80	0.70					
660	TRAILERS, FLATBED, LO-BOY AND TILT TRUCK ACCESSORIES FOR CHASSIS MOUNTING	1.05	1.02	1.00	0.97	0.89	0.78	0.67					
670	DUMP BODIES	1.04	1.02	1.00	0.97	0.90	0.80						
675	ALL OTHER ACCESSORIES TRUCK, HIGHWAY	1.04	1.02	1.00	0.97	0.90	0.80						
690	0 THRU 10,000 GVW	1.08	1.06	1.00	0.95								
695	OVER 10,000 THRU 30,000 GVW	1.08	1.05	1.00	0.95	0.88	0.75						
705	OVER 30,000 GVW	1.08	1.05	1.00	0.96	0.88	0.76						
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.98	0.89	0.77	0.67	0.60				
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.98	0.89	0.77	0.66	0.60				
780	WAGON, WATER	1.04	1.01	1.00	0.97	0.88	0.76	0.64	0.58				
785	WATER BLASTER	1.04	1.02	1.00	0.97								
795	WATER TANKS	1.04	1.02	1.00	0.97	0.90	0.80	0.70	0.63				
810	WELDERS	1.05	1.02	1.00	0.97								
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.97	0.89	0.79						



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

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

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

Hourly Standby Rate = \$18.00/Hr.

Standby Adjusted for Age
(Standby Rate) x (Age Adj. Factor)
= (\$18.00) x (.85) = \$15.30/Hr.

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW											
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	
15	AGGREGATE SPREADERS	1.03	1.01	1.00	1.01	0.95	0.89	0.82					
30	AIR COMPRESSORS	1.05	1.00	1.00	0.98	0.92	0.96	0.90					
45	AIR TOOLS, SANDBLASTERS, ETC	1.05	1.00	1.00									
60	ASPHALT DISTRIBUTORS	1.03	1.01	1.00	1.01	0.95	0.89	0.82					
65	ASPHALT AND CONCRETE PAVERS	1.03	1.01	1.00	1.01	0.95	0.89	0.82					
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.02	1.00	0.98	0.91	0.82						
	BACKHOE (SEE KEY NO. 570-601)												
75	BROOMS	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	1.02	0.96	0.87	0.73					
95	BUCKETS, CONCRETE	1.03	1.01	1.00	1.02	0.96	0.87	0.73					
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.98	0.91	0.82						
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.98	0.91	0.82						
125	CONCRETE FINISHERS & BUGGIES	1.04	1.02	1.00	0.98								
130	CONCRETE SAWS	1.04	1.02	1.00	0.98	0.91	0.82						
135	CONCRETE VIBRATORS	1.05	1.00	1.00									
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.05	1.00	1.00	0.98								
150	0 THRU 25 TON	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66			
165	OVER 25 TON THRU 50 TON	1.05	1.03	1.00	0.98	0.92	0.85	0.78	0.71	0.67	0.63		
170	OVER 50 TON THRU 150 TON	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.64	0.59	0.50
180	OVER 150 TON	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.72	0.68	0.64	0.59	0.50
	DRAGLINE & CLAMSHELL, CRAWLER												0.44
185	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71				
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.78	0.71	0.67	0.63		
195	OVER 2-1/2 CY THRU 5 CY	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.64	0.59	0.50
196	OVER 5 CY	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.72	0.68	0.64	0.59	0.50
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66	0.63	0.58	
205	CRANES, TOWER CRANES & HYD. EXC., TRK MTD	1.04	1.02	1.00	0.98	0.92	0.86	0.79	0.73	0.68	0.65	0.60	0.51
210	UNDER 26 T. (THRU 1 CY)	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66	0.63		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.03	1.00	0.98	0.92	0.85	0.78	0.71	0.67	0.63	0.58	0.49
230	66 THRU 125 T	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.58	0.49
240	OVER 125 T	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.72	0.68	0.64	0.60	0.50
255	DRILL, AUGER	1.01	0.99	1.00	0.99	0.92	0.80	0.70					
270	DRILL, BLAST HOLE	1.01	0.99	1.00	0.99	0.92	0.80	0.70					
300	DRILL, CORE	1.01	0.99	1.00	0.99	0.92	0.80	0.70					
315	DRILL, ROTARY TO 11" DIA. HOLE	1.01	0.99	1.00	0.99	0.92	0.81	0.72	0.67	0.62	0.60		
330	DRILL, ROTARY OVER 11" DIA.	1.01	0.99	1.00	0.99	0.92	0.81	0.72	0.68	0.63	0.61	0.58	0.52
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.01	0.99	1.00	0.99	0.92	0.81	0.72	0.68	0.63	0.61	0.58	0.48
375	FORK LIFTS	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
390	GRADERS	1.04	1.02	1.00	0.98	0.90	0.83	0.75	0.69				
420	GENERATORS	1.05	1.03	1.00	0.98	0.95	0.85						
435	HOIST	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
	HYD. EXCAVATOR (SEE KEY NO. 570-601)												
440	LIGHT PLANTS	1.04	1.02	1.00	0.98	0.91	0.82						
450	LOADER, BELT	1.04	1.02	1.00	0.98	0.91	0.82	0.73					
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.02	1.00	1.00	0.96	0.88	0.81	0.73					
	LOADER, WHEEL TYPE												
465	0 THRU 225 HP	1.05	1.03	1.00	0.98	0.89	0.76	0.67					
470	OVER 225 HP	1.05	1.03	1.00	0.98	0.89	0.76	0.68	0.62				
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.05	1.03	1.00	0.98	0.89	0.76	0.67					

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.04	1.02	1.00	0.98									
485	PIPELAYERS	1.02	1.00	1.00	0.97	0.89	0.81	0.74	0.67					
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
510	RIPPERS	1.02	1.00	1.00	0.96	0.88	0.80							
525	ROLLERS, EXCEPT VIB. ROLLERS	1.07	1.05	1.00	0.92	0.86	0.78	0.71						
530	ROLLERS, VIBRATORY	1.07	1.05	1.00	0.91	0.85	0.77							
540	SCRAPERS, STANDARD	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
545	0 THRU 200 HP	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
550	OVER 200 HP	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
555	SCRAPERS, TRACTOR DRAWN	1.04	1.02	1.00	0.98	0.90	0.82	0.74	0.69					
560	SOIL STABILIZERS	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.91	0.84							
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77						
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71					
600	OVER 5 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66	0.62			
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.64	0.59	0.50	
615	0 THRU 225 HP	1.02	1.00	1.00	0.96	0.88	0.81	0.73						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.02	1.00	1.00	0.96	0.88	0.81	0.73						
625	OVER 425 HP	1.02	1.00	1.00	0.96	0.89	0.81	0.73	0.66					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.02	1.00	1.00	0.96	0.88	0.81	0.73						
645	TRACTOR, WHEEL TYPE	1.05	1.03	1.00	0.99	0.92	0.82	0.73						
650	TRENCHER	1.04	1.02	1.00	0.94	0.83	0.72	0.64						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.04	1.02	1.00	0.98	0.91	0.82							
675	ALL OTHER ACCESSORIES	1.04	1.02	1.00	0.98	0.91	0.82							
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GW	1.07	1.05	1.00	0.96									
695	OVER 10,000 THRU 30,000 GW	1.07	1.05	1.00	0.96	0.90	0.79							
705	OVER 30,000 GW	1.07	1.05	1.00	0.96	0.90	0.79							
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.98	0.90	0.80	0.70	0.64					
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.98	0.90	0.80	0.70	0.64					
780	WAGON, WATER	1.03	1.01	1.00	0.98	0.90	0.80	0.70	0.64					
785	WATER BLASTER	1.04	1.02	1.00	0.98									
795	WATER TANKS	1.04	1.02	1.00	0.98	0.91	0.83	0.73	0.67					
810	WELDERS	1.04	1.02	1.00	0.98									
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.98	0.91	0.82							



TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

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

Example: Assume that the truck crane in Example A of TABLE 3-2 is to be worked 10 hours per day, 6 days per week. The total hourly rate for this piece of equipment (Service Life = 18,000 Hrs.) can be determined as follows:

Total Hourly Rate (adjusted for age)	= \$50.20/Hr.
Ownership Rate (adjusted for age)	(-) \$25.20/Hr.
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adj. Factor)	
= (\$25.20) x (.84)	= (+) \$21.17/Hr.
Adjusted Total Hourly Rate	= <u>\$46.17/Hr.</u>

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

Service Life From APP. D	Equipment 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	0.92	0.92	0.90	0.89	0.89	0.88	0.87	0.86
6,000	1.00	0.97	0.96	0.94	0.92	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.82
8,000	1.00	0.97	0.95	0.92	0.90	0.88	0.87	0.85	0.83	0.82	0.81	0.80	0.79
9,000	1.00	0.96	0.95	0.92	0.89	0.87	0.86	0.84	0.82	0.81	0.80	0.79	0.77
10,000	1.00	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.81	0.80	0.78	0.77	0.76
11,000	1.00	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.80	0.78	0.77	0.76	0.74
12,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.79	0.77	0.76	0.75	0.73
13,000	1.00	0.96	0.93	0.90	0.87	0.84	0.82	0.80	0.78	0.76	0.75	0.74	0.72
14,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.79	0.77	0.75	0.74	0.72	0.70
15,000	1.00	0.95	0.93	0.89	0.86	0.83	0.81	0.79	0.76	0.74	0.73	0.71	0.69
16,000	1.00	0.95	0.93	0.88	0.85	0.82	0.80	0.78	0.75	0.73	0.72	0.70	0.68
18,000	1.00	0.95	0.92	0.88	0.84	0.81	0.79	0.76	0.74	0.72	0.70	0.69	0.66
20,000	1.00	0.94	0.92	0.87	0.83	0.80	0.78	0.75	0.72	0.70	0.68	0.67	0.65
22,000	1.00	0.94	0.91	0.87	0.83	0.80	0.77	0.74	0.71	0.69	0.67	0.65	0.63
50,000	1.00	0.92	0.88	0.82	0.76	0.72	0.69	0.65	0.61	0.58	0.55	0.53	0.50

TABLE 3-5. HOURLY RATE ELEMENT

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1010	4.30	2.30	10.70	2.57	0.21	0.03	3.69	23.80								
1015	4.82	2.58	3.99	0.96	0.21	0.03	4.14	16.73								
1030	0.81	0.48	3.76	1.20	0.02	0.00	0.75	7.02								
1035	0.97	0.57	1.19	0.33	0.02	0.00	0.91	3.99								
1040	0.99	0.58	5.27	1.69	0.02	0.00	0.93	9.48								
1045	1.05	0.62	1.84	0.52	0.02	0.00	0.99	5.04								
1050	1.08	0.64	5.27	1.69	0.02	0.00	1.01	9.71								
1055	1.23	0.72	1.95	0.55	0.02	0.00	1.15	5.62								
1060	1.12	0.66	5.27	1.69	0.02	0.00	1.04	9.80								
1065	1.32	0.78	2.49	0.70	0.02	0.00	1.23	6.54								
1070	1.97	1.16	3.18	0.89	0.03	0.00	1.84	9.07								
1075	2.39	1.43	4.40	1.23	0.12	0.02	2.25	11.84								
1080	3.12	1.86	5.49	1.54	0.12	0.02	2.93	15.08								
1085	3.76	2.23	6.79	1.90	0.14	0.02	3.52	18.36								
1090	4.37	2.59	8.23	2.30	0.14	0.02	4.08	21.73								
1095	4.98	2.95	9.39	2.63	0.14	0.02	4.66	24.77								
1100	5.46	3.23	9.75	2.73	0.14	0.02	5.11	26.44								
1105	6.11	3.61	10.61	2.97	0.14	0.02	5.71	29.17								
1110	7.33	4.32	14.44	4.04	0.14	0.02	6.85	37.14								
1115	8.28	4.88	16.46	4.61	0.18	0.03	7.73	42.17								
1130	0.30	0.07	0.00	0.06	0.00	0.00	0.55	0.98								
1135	0.54	0.13	0.00	0.06	0.00	0.00	1.00	1.73								
1140	0.54	0.13	0.00	0.06	0.00	0.00	1.01	1.74								
1145	0.59	0.14	0.00	0.13	0.00	0.00	1.11	1.97								
1150	0.80	0.19	0.00	0.13	0.00	0.00	1.50	2.62								
1155	2.27	0.56	0.00	0.27	0.05	0.01	4.25	7.41								
1160	2.71	0.69	0.00	0.40	0.12	0.02	5.11	9.05								
1165	3.34	0.84	0.00	0.50	0.12	0.02	6.28	11.10								
1175	0.18	0.04	0.00	0.06	0.00	0.00	0.33	0.61								
1180	0.39	0.09	0.00	0.11	0.00	0.00	0.73	1.32								
1185	0.18	0.04	0.00	0.06	0.00	0.00	0.34	0.62								
1190	0.20	0.05	0.00	0.06	0.00	0.00	0.37	0.68								
1195	0.21	0.05	0.00	0.06	0.00	0.00	0.40	0.72								
1200	0.72	0.17	0.00	0.13	0.00	0.00	1.35	2.37								
1210	0.39	0.09	0.00	0.15	0.00	0.00	1.21	1.84								
1215	0.25	0.06	0.00	0.13	0.00	0.00	0.78	1.22								
1220	0.22	0.05	0.00	0.10	0.00	0.00	0.70	1.07								
1225	0.20	0.05	0.00	0.08	0.00	0.00	0.63	0.96								
1230	0.16	0.04	0.00	0.06	0.00	0.00	0.49	0.75								
1240	2.17	1.14	3.39	1.08	0.00	0.00	2.25	10.03								
1245	2.22	1.16	3.39	1.08	0.00	0.00	2.30	10.15								
1250	2.37	1.24	3.39	1.08	0.00	0.00	2.46	10.54								
1255	2.66	1.39	3.39	1.08	0.00	0.00	2.76	11.28								
1265	6.95	3.71	2.53	0.71	0.32	0.05	7.66	21.93								
1270	10.94	5.90	3.43	0.96	0.79	0.12	12.09	34.23								
1275	12.19	6.56	4.69	1.31	0.79	0.12	13.47	39.13								
1280	14.91	7.81	4.69	1.31	0.00	0.00	16.37	45.09								
1290	3.51	1.91	0.79	0.22	0.32	0.05	3.89	10.69								
1295	5.62	3.02	2.02	0.57	0.32	0.05	6.20	17.80								
1300	7.79	4.18	2.09	0.59	0.44	0.07	8.60	23.76								
1305	9.62	5.21	3.14	0.88	0.79	0.12	10.64	30.40								
1310	11.25	6.11	3.18	0.89	0.96	0.14	12.45	34.98								
1315	14.88	8.08	5.67	1.59	1.32	0.20	16.47	48.21								
1320	10.96	5.74	2.74	0.77	0.00	0.00	12.04	32.25								
1325	13.12	6.88	3.97	1.11	0.00	0.00	14.41	39.49								

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	
1335	0.35	0.16	0.00	0.99	0.02	0.00	0.35	1.87								
1340	0.41	0.18	0.00	1.09	0.02	0.00	0.41	2.11								
1350	0.99	0.43	0.60	1.76	0.02	0.00	0.98	4.78								
1360	0.46	0.27	0.00	0.18	0.02	0.00	0.49	1.42								
1365	0.60	0.35	1.58	0.38	0.02	0.00	0.63	3.56								
1370	0.21	0.12	0.00	0.18	0.00	0.00	0.22	0.73								
1375	0.32	0.19	0.00	0.12	0.00	0.00	0.34	0.97								
1385	0.91	0.48	7.87	2.52	0.00	0.00	1.01	12.79								
1390	0.97	0.52	7.87	2.52	0.04	0.01	1.08	13.01								
1400	0.85	0.40	0.00	0.00	0.00	0.00	0.68	1.93	1.06	0.41	0.00	0.00	0.00	0.00	0.97	2.44
1405	0.91	0.43	0.00	0.00	0.00	0.00	0.73	2.07	1.14	0.44	0.00	0.00	0.00	0.00	1.04	2.62
1410	1.32	0.63	0.00	0.00	0.00	0.00	1.06	3.01	1.65	0.64	0.00	0.00	0.00	0.00	1.51	3.80
1415	1.55	0.74	0.00	0.00	0.00	0.00	1.24	3.53	1.94	0.76	0.00	0.00	0.00	0.00	1.77	4.47
1420	2.00	0.95	0.00	0.00	0.00	0.00	1.60	4.55	2.50	0.98	0.00	0.00	0.00	0.00	2.29	5.77
1425	2.13	1.01	0.00	0.00	0.00	0.00	1.71	4.85	2.67	1.04	0.00	0.00	0.00	0.00	2.44	6.15
1430	2.32	1.10	0.00	0.00	0.00	0.00	1.85	5.27	2.90	1.13	0.00	0.00	0.00	0.00	2.65	6.68
1435	2.57	1.22	0.00	0.00	0.00	0.00	2.06	5.85	3.21	1.25	0.00	0.00	0.00	0.00	2.94	7.40
1440	2.79	1.33	0.00	0.00	0.00	0.00	2.23	6.35	3.49	1.36	0.00	0.00	0.00	0.00	3.19	8.04
1445	2.97	1.41	0.00	0.00	0.00	0.00	2.38	6.76	3.72	1.45	0.00	0.00	0.00	0.00	3.40	8.57
1450	3.29	1.57	0.00	0.00	0.00	0.00	2.64	7.50	4.12	1.61	0.00	0.00	0.00	0.00	3.77	9.50
1455	3.43	1.63	0.00	0.00	0.00	0.00	2.74	7.80	4.28	1.67	0.00	0.00	0.00	0.00	3.92	9.87
1460	3.53	1.68	0.00	0.00	0.00	0.00	2.82	8.03	4.41	1.72	0.00	0.00	0.00	0.00	4.03	10.16
1465	3.71	1.77	0.00	0.00	0.00	0.00	2.97	8.45	4.64	1.81	0.00	0.00	0.00	0.00	4.24	10.69
1470	3.86	1.84	0.00	0.00	0.00	0.00	3.09	8.79	4.83	1.88	0.00	0.00	0.00	0.00	4.41	11.12
1480	0.81	0.39	0.00	0.00	0.00	0.00	0.65	1.85	1.01	0.39	0.00	0.00	0.00	0.00	0.93	2.33
1485	1.13	0.54	0.00	0.00	0.00	0.00	0.90	2.57	1.41	0.55	0.00	0.00	0.00	0.00	1.29	3.25
1490	1.65	0.79	0.00	0.00	0.00	0.00	1.32	3.76	2.07	0.81	0.00	0.00	0.00	0.00	1.89	4.77
1495	1.79	0.85	0.00	0.00	0.00	0.00	1.43	4.07	2.24	0.87	0.00	0.00	0.00	0.00	2.05	5.16
1500	2.25	1.07	0.00	0.00	0.00	0.00	1.80	5.12	2.82	1.10	0.00	0.00	0.00	0.00	2.58	6.50
1505	2.48	1.18	0.00	0.00	0.00	0.00	1.99	5.65	3.10	1.21	0.00	0.00	0.00	0.00	2.84	7.15
1510	2.85	1.36	0.00	0.00	0.00	0.00	2.28	6.49	3.57	1.39	0.00	0.00	0.00	0.00	3.26	8.22
1515	3.08	1.47	0.00	0.00	0.00	0.00	2.47	7.02	3.85	1.50	0.00	0.00	0.00	0.00	3.52	8.87
1520	3.32	1.58	0.00	0.00	0.00	0.00	2.66	7.56	4.15	1.62	0.00	0.00	0.00	0.00	3.80	9.57
1525	3.56	1.69	0.00	0.00	0.00	0.00	2.85	8.10	4.45	1.74	0.00	0.00	0.00	0.00	4.07	10.26
1530	3.77	1.79	0.00	0.00	0.00	0.00	3.02	8.58	4.71	1.84	0.00	0.00	0.00	0.00	4.31	10.86
1535	3.97	1.89	0.00	0.00	0.00	0.00	3.17	9.03	4.96	1.94	0.00	0.00	0.00	0.00	4.54	11.44
1540	4.19	1.99	0.00	0.00	0.00	0.00	3.35	9.53	5.24	2.04	0.00	0.00	0.00	0.00	4.79	12.07
1545	4.38	2.08	0.00	0.00	0.00	0.00	3.50	9.96	5.47	2.13	0.00	0.00	0.00	0.00	5.00	12.60
1550	4.56	2.17	0.00	0.00	0.00	0.00	3.65	10.38	5.70	2.22	0.00	0.00	0.00	0.00	5.21	13.13
1560	1.28	0.61	0.00	0.00	0.00	0.00	1.03	2.92	1.60	0.63	0.00	0.00	0.00	0.00	1.47	3.70
1565	1.31	0.62	0.00	0.00	0.00	0.00	1.05	2.98	1.64	0.64	0.00	0.00	0.00	0.00	1.50	3.78
1570	1.89	0.90	0.00	0.00	0.00	0.00	1.51	4.30	2.36	0.92	0.00	0.00	0.00	0.00	2.16	5.44
1575	2.33	1.11	0.00	0.00	0.00	0.00	1.86	5.30	2.91	1.14	0.00	0.00	0.00	0.00	2.66	6.71
1580	2.62	1.25	0.00	0.00	0.00	0.00	2.10	5.97	3.28	1.28	0.00	0.00	0.00	0.00	3.00	7.56
1585	2.86	1.36	0.00	0.00	0.00	0.00	2.29	6.51	3.57	1.39	0.00	0.00	0.00	0.00	3.27	8.23
1590	3.08	1.47	0.00	0.00	0.00	0.00	2.47	7.02	3.86	1.50	0.00	0.00	0.00	0.00	3.53	8.89
1595	3.29	1.56	0.00	0.00	0.00	0.00	2.63	7.48	4.11	1.60	0.00	0.00	0.00	0.00	3.76	9.47
1600	3.42	1.63	0.00	0.00	0.00	0.00	2.74	7.79	4.28	1.67	0.00	0.00	0.00	0.00	3.91	9.86
1605	3.72	1.77	0.00	0.00	0.00	0.00	2.98	8.47	4.66	1.82	0.00	0.00	0.00	0.00	4.26	10.74
1610	3.96	1.88	0.00	0.00	0.00	0.00	3.17	9.01	4.95	1.93	0.00	0.00	0.00	0.00	4.53	11.41
1615	4.18	1.99	0.00	0.00	0.00	0.00	3.34	9.51	5.22	2.04	0.00	0.00	0.00	0.00	4.78	12.04
1620	4.42	2.10	0.00	0.00	0.00	0.00	3.53	10.05	5.52	2.15	0.00	0.00	0.00	0.00	5.05	12.72
1625	4.59	2.18	0.00	0.00	0.00	0.00	3.67	10.44	5.74	2.24	0.00	0.00	0.00	0.00	5.25	13.23
1630	4.83	2.29	0.00	0.00	0.00	0.00	3.86	10.98	6.03	2.35	0.00	0.00	0.00	0.00	5.52	13.90
1640	0.12	0.06	0.00	0.00	0.00	0.00	0.10	0.28								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1645	0.15	0.08	0.00	0.00	0.00	0.00	0.13	0.36								
1650	0.19	0.10	0.00	0.00	0.00	0.00	0.16	0.45								
1655	0.27	0.14	0.00	0.00	0.00	0.00	0.23	0.64								
1660	0.34	0.18	0.00	0.00	0.00	0.00	0.29	0.81								
1670	0.50	0.26	0.00	0.00	0.00	0.00	0.42	1.18								
1675	0.52	0.27	0.00	0.00	0.00	0.00	0.44	1.23								
1680	0.54	0.28	0.00	0.00	0.00	0.00	0.46	1.28								
1685	0.70	0.37	0.00	0.00	0.00	0.00	0.60	1.67								
1690	0.73	0.38	0.00	0.00	0.00	0.00	0.62	1.73								
1695	1.06	0.55	0.00	0.00	0.00	0.00	0.90	2.51								
1700	1.26	0.66	0.00	0.00	0.00	0.00	1.08	3.00								
1710	0.56	0.29	0.00	0.00	0.00	0.00	0.48	1.33								
1715	0.63	0.33	0.00	0.00	0.00	0.00	0.54	1.50								
1720	0.73	0.38	0.00	0.00	0.00	0.00	0.62	1.73								
1725	0.81	0.42	0.00	0.00	0.00	0.00	0.69	1.92								
1730	0.95	0.50	0.00	0.00	0.00	0.00	0.81	2.26								
1745	0.28	0.13	0.00	0.00	0.00	0.00	0.23	0.64	0.35	0.14	0.00	0.00	0.00	0.00	0.32	0.81
1750	0.34	0.16	0.00	0.00	0.00	0.00	0.27	0.77	0.42	0.16	0.00	0.00	0.00	0.00	0.38	0.96
1755	0.41	0.20	0.00	0.00	0.00	0.00	0.33	0.94	0.51	0.20	0.00	0.00	0.00	0.00	0.47	1.18
1760	0.48	0.23	0.00	0.00	0.00	0.00	0.39	1.10	0.61	0.24	0.00	0.00	0.00	0.00	0.55	1.40
1765	0.57	0.27	0.00	0.00	0.00	0.00	0.46	1.30	0.71	0.28	0.00	0.00	0.00	0.00	0.65	1.64
1770	0.70	0.33	0.00	0.00	0.00	0.00	0.56	1.59	0.88	0.34	0.00	0.00	0.00	0.00	0.80	2.02
1775	0.78	0.37	0.00	0.00	0.00	0.00	0.62	1.77	0.97	0.38	0.00	0.00	0.00	0.00	0.89	2.24
1780	0.94	0.45	0.00	0.00	0.00	0.00	0.76	2.15	1.18	0.46	0.00	0.00	0.00	0.00	1.08	2.72
1785	1.00	0.48	0.00	0.00	0.00	0.00	0.80	2.28	1.25	0.49	0.00	0.00	0.00	0.00	1.15	2.89
1790	1.21	0.58	0.00	0.00	0.00	0.00	0.97	2.76	1.51	0.59	0.00	0.00	0.00	0.00	1.38	3.48
1795	1.31	0.62	0.00	0.00	0.00	0.00	1.05	2.98	1.64	0.64	0.00	0.00	0.00	0.00	1.50	3.78
1800	1.43	0.68	0.00	0.00	0.00	0.00	1.15	3.26	1.79	0.70	0.00	0.00	0.00	0.00	1.64	4.13
1805	1.59	0.76	0.00	0.00	0.00	0.00	1.27	3.62	1.99	0.78	0.00	0.00	0.00	0.00	1.82	4.59
1810	1.84	0.87	0.00	0.00	0.00	0.00	1.47	4.18	2.29	0.90	0.00	0.00	0.00	0.00	2.10	5.29
1815	2.00	0.95	0.00	0.00	0.00	0.00	1.60	4.55	2.49	0.97	0.00	0.00	0.00	0.00	2.28	5.74
1820	2.45	1.17	0.00	0.00	0.00	0.00	1.96	5.58	3.07	1.20	0.00	0.00	0.00	0.00	2.80	7.07
1825	2.82	1.34	0.00	0.00	0.00	0.00	2.26	6.42	3.53	1.38	0.00	0.00	0.00	0.00	3.22	8.13
1835	0.33	0.16	0.00	0.00	0.00	0.00	0.26	0.75	0.41	0.16	0.00	0.00	0.00	0.00	0.38	0.95
1840	0.41	0.19	0.00	0.00	0.00	0.00	0.33	0.93	0.51	0.20	0.00	0.00	0.00	0.00	0.47	1.18
1845	0.50	0.24	0.00	0.00	0.00	0.00	0.40	1.14	0.63	0.24	0.00	0.00	0.00	0.00	0.57	1.44
1850	0.60	0.28	0.00	0.00	0.00	0.00	0.48	1.36	0.75	0.29	0.00	0.00	0.00	0.00	0.68	1.72
1855	0.69	0.33	0.00	0.00	0.00	0.00	0.55	1.57	0.86	0.34	0.00	0.00	0.00	0.00	0.79	1.99
1860	0.82	0.39	0.00	0.00	0.00	0.00	0.66	1.87	1.03	0.40	0.00	0.00	0.00	0.00	0.94	2.37
1865	0.91	0.43	0.00	0.00	0.00	0.00	0.73	2.07	1.14	0.44	0.00	0.00	0.00	0.00	1.04	2.62
1870	1.09	0.52	0.00	0.00	0.00	0.00	0.87	2.48	1.36	0.53	0.00	0.00	0.00	0.00	1.25	3.14
1875	1.17	0.55	0.00	0.00	0.00	0.00	0.93	2.65	1.46	0.57	0.00	0.00	0.00	0.00	1.33	3.36
1880	1.49	0.71	0.00	0.00	0.00	0.00	1.20	3.40	1.87	0.73	0.00	0.00	0.00	0.00	1.71	4.31
1885	1.54	0.73	0.00	0.00	0.00	0.00	1.24	3.51	1.93	0.75	0.00	0.00	0.00	0.00	1.76	4.44
1890	1.76	0.84	0.00	0.00	0.00	0.00	1.41	4.01	2.20	0.86	0.00	0.00	0.00	0.00	2.01	5.07
1895	1.94	0.92	0.00	0.00	0.00	0.00	1.55	4.41	2.42	0.95	0.00	0.00	0.00	0.00	2.22	5.59
1900	2.32	1.10	0.00	0.00	0.00	0.00	1.86	5.28	2.90	1.13	0.00	0.00	0.00	0.00	2.65	6.68
1905	2.47	1.18	0.00	0.00	0.00	0.00	1.98	5.63	3.09	1.21	0.00	0.00	0.00	0.00	2.83	7.13
1910	3.15	1.50	0.00	0.00	0.00	0.00	2.52	7.17	3.94	1.54	0.00	0.00	0.00	0.00	3.60	9.08
1915	3.51	1.67	0.00	0.00	0.00	0.00	2.81	7.99	4.39	1.71	0.00	0.00	0.00	0.00	4.01	10.11
1925	1.32	0.63	0.00	0.00	0.00	0.00	1.06	3.01	1.65	0.64	0.00	0.00	0.00	0.00	1.51	3.80
1930	1.37	0.65	0.00	0.00	0.00	0.00	1.10	3.12	1.72	0.67	0.00	0.00	0.00	0.00	1.57	3.96
1935	1.54	0.73	0.00	0.00	0.00	0.00	1.23	3.50	1.92	0.75	0.00	0.00	0.00	0.00	1.76	4.43
1940	2.06	0.98	0.00	0.00	0.00	0.00	1.65	4.69	2.57	1.00	0.00	0.00	0.00	0.00	2.35	5.92
1945	2.30	1.09	0.00	0.00	0.00	0.00	1.84	5.23	2.88	1.12	0.00	0.00	0.00	0.00	2.63	6.63

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
1950	2.38	1.13	0.00	0.00	0.00	0.00	1.90	5.41	2.97	1.16	0.00	0.00	0.00	0.00	2.71	6.84
1955	2.54	1.21	0.00	0.00	0.00	0.00	2.04	5.79	3.18	1.24	0.00	0.00	0.00	0.00	2.91	7.33
1960	3.23	1.54	0.00	0.00	0.00	0.00	2.59	7.36	4.04	1.58	0.00	0.00	0.00	0.00	3.70	9.32
1965	3.33	1.58	0.00	0.00	0.00	0.00	2.66	7.57	4.16	1.62	0.00	0.00	0.00	0.00	3.80	9.58
1970	4.23	2.01	0.00	0.00	0.00	0.00	3.38	9.62	5.28	2.06	0.00	0.00	0.00	0.00	4.83	12.17
1975	4.39	2.09	0.00	0.00	0.00	0.00	3.51	9.99	5.49	2.14	0.00	0.00	0.00	0.00	5.02	12.65
1980	5.22	2.48	0.00	0.00	0.00	0.00	4.18	11.88	6.53	2.55	0.00	0.00	0.00	0.00	5.97	15.05
1985	5.55	2.64	0.00	0.00	0.00	0.00	4.44	12.63	6.94	2.71	0.00	0.00	0.00	0.00	6.35	16.00
1995	0.81	0.38	0.00	0.00	0.00	0.00	0.65	1.84	1.01	0.39	0.00	0.00	0.00	0.00	0.92	2.32
2000	1.03	0.49	0.00	0.00	0.00	0.00	0.83	2.35	1.29	0.50	0.00	0.00	0.00	0.00	1.18	2.97
2005	1.42	0.67	0.00	0.00	0.00	0.00	1.13	3.22	1.77	0.69	0.00	0.00	0.00	0.00	1.62	4.08
2010	1.87	0.89	0.00	0.00	0.00	0.00	1.50	4.26	2.34	0.91	0.00	0.00	0.00	0.00	2.14	5.39
2015	2.80	1.33	0.00	0.00	0.00	0.00	2.24	6.37	3.50	1.37	0.00	0.00	0.00	0.00	3.20	8.07
2020	3.19	1.52	0.00	0.00	0.00	0.00	2.55	7.26	3.99	1.56	0.00	0.00	0.00	0.00	3.65	9.20
2025	3.87	1.84	0.00	0.00	0.00	0.00	3.10	8.81	4.84	1.89	0.00	0.00	0.00	0.00	4.42	11.15
2030	4.70	2.24	0.00	0.00	0.00	0.00	3.76	10.70	5.88	2.29	0.00	0.00	0.00	0.00	5.37	13.54
2035	5.70	2.71	0.00	0.00	0.00	0.00	4.56	12.97	7.13	2.78	0.00	0.00	0.00	0.00	6.52	16.43
2040	6.61	3.15	0.00	0.00	0.00	0.00	5.29	15.05	8.27	3.23	0.00	0.00	0.00	0.00	7.56	19.06
2055	0.17	0.06	0.31	0.07	0.00	0.00	0.26	0.87								
2060	0.24	0.08	0.52	0.12	0.00	0.00	0.35	1.31								
2065	0.31	0.10	0.52	0.12	0.00	0.00	0.46	1.51								
2070	0.40	0.13	0.62	0.15	0.00	0.00	0.59	1.89								
2075	0.15	0.05	0.31	0.07	0.00	0.00	0.23	0.81								
2080	0.24	0.08	0.73	0.17	0.00	0.00	0.36	1.58								
2085	0.23	0.08	0.41	0.10	0.00	0.00	0.34	1.16								
2090	0.29	0.10	0.41	0.10	0.00	0.00	0.43	1.33								
2095	0.20	0.07	0.41	0.10	0.00	0.00	0.29	1.07								
2100	0.41	0.14	0.25	0.06	0.00	0.00	0.61	1.47								
2105	0.70	0.23	0.25	0.06	0.00	0.00	1.04	2.28								
2110	1.22	0.41	0.25	0.06	0.00	0.00	1.82	3.76								
2115	0.94	0.32	0.25	0.06	0.00	0.00	1.41	2.98								
2120	1.17	0.39	0.20	0.05	0.00	0.00	1.75	3.56								
2125	1.62	0.54	0.40	0.10	0.00	0.00	2.42	5.08								
2130	2.01	0.67	0.65	0.16	0.00	0.00	2.99	6.48								
2135	0.45	0.15	0.93	0.22	0.00	0.00	0.67	2.42								
2140	0.48	0.16	0.35	0.08	0.00	0.00	0.71	1.78								
2145	0.76	0.26	0.50	0.12	0.00	0.00	1.14	2.78								
2150	1.56	0.52	0.50	0.12	0.00	0.00	2.33	5.03								
2155	1.50	0.50	0.40	0.10	0.00	0.00	2.24	4.74								
2160	1.69	0.57	0.40	0.10	0.00	0.00	2.53	5.29								
2170	0.21	0.08	0.40	0.13	0.00	0.00	0.23	1.05								
2180	0.18	0.06	0.57	0.18	0.00	0.00	0.19	1.18								
2185	0.70	0.26	1.30	0.41	0.00	0.00	0.73	3.40								
2190	0.90	0.33	1.30	0.41	0.00	0.00	0.95	3.89								
2200	0.06	0.03	0.05	0.02	0.02	0.00	0.07	0.25								
2205	0.07	0.03	0.05	0.02	0.02	0.00	0.07	0.26								
2210	0.23	0.09	0.57	0.18	0.02	0.00	0.25	1.34								
2215	0.18	0.07	0.57	0.18	0.02	0.00	0.20	1.22								
2225	10.27	5.38	5.13	1.44	0.00	0.00	11.28	33.50								
2230	18.24	9.56	7.51	2.10	0.00	0.00	20.03	57.44								
2235	32.25	16.90	9.02	2.53	0.00	0.00	35.42	96.12								
2245	2.06	1.09	4.89	1.56	0.04	0.01	2.27	11.92								
2250	9.36	4.90	3.61	1.01	0.00	0.00	10.28	29.16								
2260	2.40	1.05	0.64	0.18	0.06	0.01	2.67	7.01								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
2265	2.74	1.19	1.06	0.30	0.04	0.01	3.04	8.38								
2270	0.78	0.35	0.00	0.19	0.04	0.01	0.87	2.24								
2275	1.56	0.68	0.00	0.31	0.04	0.01	1.74	4.34								
2285	4.30	1.85	3.30	0.92	0.02	0.00	4.76	15.15								
2295	5.56	2.40	5.32	1.49	0.02	0.00	6.16	20.95								
2300	13.89	6.02	13.76	3.85	0.23	0.03	15.41	53.19								
2310	4.38	1.89	3.56	1.00	0.02	0.00	4.85	15.70								
2315	6.79	2.96	8.09	2.26	0.12	0.02	7.54	27.78								
2320	6.98	3.04	8.09	2.26	0.12	0.02	7.75	28.26								
2325	9.32	4.02	9.42	2.64	0.06	0.01	10.33	35.80								
2330	11.98	5.17	15.96	4.47	0.06	0.01	13.28	50.93								
2335	14.51	6.36	11.47	3.21	0.58	0.09	16.14	52.36								
2340	21.29	9.28	11.47	3.21	0.60	0.09	23.65	69.59								
2345	26.57	11.59	15.66	4.38	0.79	0.12	29.52	88.63								
2355	0.17	0.07	0.83	0.27	0.00	0.00	0.18	1.52								
2360	0.18	0.08	1.24	0.40	0.00	0.00	0.20	2.10								
2365	0.19	0.08	1.45	0.46	0.00	0.00	0.21	2.39								
2370	0.40	0.17	1.45	0.46	0.00	0.00	0.45	2.93								
2375	0.51	0.22	1.87	0.60	0.00	0.00	0.57	3.77								
2380	0.52	0.22	2.39	0.76	0.00	0.00	0.58	4.47								
2385	0.83	0.36	3.11	1.00	0.00	0.00	0.92	6.22								
2390	1.12	0.48	6.74	2.16	0.00	0.00	1.24	11.74								
2400	12.82	7.99	2.65	0.85	0.00	0.00	11.17	35.48	15.38	8.11	3.36	1.07	0.00	0.00	15.32	43.24
2405	14.27	10.94	3.25	0.65	0.00	0.00	14.22	43.33	16.47	11.05	4.12	0.82	0.00	0.00	18.45	50.91
2410	14.36	11.01	2.60	0.52	0.00	0.00	11.62	40.11	16.57	11.12	3.36	0.67	0.00	0.00	14.45	46.17
2420	15.65	11.99	2.60	0.52	0.00	0.00	12.66	43.42	18.05	12.11	3.36	0.67	0.00	0.00	15.74	49.93
2430	16.44	12.60	2.60	0.52	0.00	0.00	13.31	45.47	18.97	12.72	3.36	0.67	0.00	0.00	16.53	52.25
2440	19.50	14.95	4.79	0.96	0.00	0.00	19.43	59.63	22.50	15.09	6.06	1.21	0.00	0.00	25.22	70.08
2445	19.09	14.63	3.83	0.77	0.00	0.00	15.45	53.77	22.02	14.77	4.95	0.99	0.00	0.00	19.20	61.93
2455	16.85	15.33	3.83	0.84	0.00	0.00	15.73	52.58	18.95	15.44	4.95	1.09	0.00	0.00	18.88	59.31
2465	20.83	18.96	3.83	0.84	0.00	0.00	19.45	63.91	23.43	19.08	4.95	1.09	0.00	0.00	23.34	71.89
2475	27.29	24.84	6.54	1.44	0.00	0.00	25.49	85.60	30.71	25.01	8.45	1.86	0.00	0.00	30.59	96.62
2485	28.88	26.28	6.54	1.44	0.00	0.00	26.97	90.11	32.49	26.46	8.45	1.86	0.00	0.00	32.36	101.62
2490	27.41	24.95	8.18	1.80	0.00	0.00	30.72	93.06	30.84	25.12	10.36	2.28	0.00	0.00	38.40	107.00
2500	31.84	28.98	6.54	1.44	0.00	0.00	29.73	98.53	35.81	29.17	8.45	1.86	0.00	0.00	35.68	110.97
2510	30.12	30.29	6.54	1.57	0.00	0.00	31.88	100.40	33.46	30.46	8.45	2.03	0.00	0.00	37.50	111.90
2520	32.20	32.39	6.54	1.57	0.00	0.00	34.08	106.78	35.78	32.56	8.45	2.03	0.00	0.00	40.09	118.91
2535	13.58	8.46	3.28	1.05	0.00	0.00	11.84	38.21	16.30	8.59	4.15	1.33	0.00	0.00	16.23	46.60
2540	11.10	8.51	2.62	0.52	0.00	0.00	8.99	31.74	12.81	8.59	3.39	0.68	0.00	0.00	11.17	36.64
2550	21.12	11.14	4.79	0.96	0.00	0.00	21.04	59.05	26.40	11.39	6.29	1.26	0.00	0.00	29.59	74.93
2555	15.70	12.04	4.10	0.82	0.00	0.00	15.64	48.30	18.12	12.15	5.20	1.04	0.00	0.00	20.30	56.81
2560	15.78	12.10	3.28	0.66	0.00	0.00	12.77	44.59	18.21	12.22	4.24	0.85	0.00	0.00	15.87	51.39
2570	30.02	15.83	5.92	1.18	0.00	0.00	29.90	82.85	37.53	16.19	7.78	1.56	0.00	0.00	42.05	105.11
2575	20.54	15.75	5.07	1.01	0.00	0.00	20.46	62.83	23.70	15.90	6.43	1.29	0.00	0.00	26.56	73.88
2585	38.19	21.53	6.82	1.50	0.00	0.00	40.14	108.18	45.82	21.90	8.96	1.97	0.00	0.00	53.51	132.16
2590	36.54	20.60	6.82	1.50	0.00	0.00	38.40	103.86	43.84	20.96	8.96	1.97	0.00	0.00	51.20	126.93
2595	23.65	21.52	5.84	1.29	0.00	0.00	26.50	78.80	26.60	21.67	7.40	1.63	0.00	0.00	33.13	90.43
2600	23.13	21.05	4.67	1.03	0.00	0.00	21.60	71.48	26.02	21.19	6.04	1.33	0.00	0.00	25.92	80.50
2610	29.08	26.47	5.54	1.22	0.00	0.00	27.16	89.47	32.72	26.64	7.16	1.57	0.00	0.00	32.59	100.68
2615	27.80	25.31	6.93	1.52	0.00	0.00	31.16	92.72	31.28	25.48	8.77	1.93	0.00	0.00	38.95	106.41
2625	46.02	25.95	8.18	1.80	0.00	0.00	48.37	130.32	55.22	26.40	10.75	2.37	0.00	0.00	64.49	159.23
2630	43.52	24.54	8.18	1.80	0.00	0.00	45.74	123.78	52.23	24.97	10.75	2.37	0.00	0.00	60.99	151.31
2635	25.82	23.50	7.01	1.54	0.00	0.00	28.94	86.81	29.05	23.66	8.88	1.95	0.00	0.00	36.17	99.71
2645	56.03	36.41	12.14	2.91	0.00	0.00	71.98	179.47	65.37	36.87	15.95	3.83	0.00	0.00	91.61	213.63
2650	30.28	30.46	10.40	2.50	0.00	0.00	37.71	111.35	33.65	30.63	13.18	3.16	0.00	0.00	46.09	126.71

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
2665	10.38	7.96	2.51	0.50	0.00	0.00	8.40	29.75	11.98	8.04	3.24	0.65	0.00	0.00	10.44	34.35
2675	13.83	12.59	3.76	0.83	0.00	0.00	12.91	43.92	15.56	12.67	4.86	1.07	0.00	0.00	15.50	49.66
2685	19.39	17.65	3.88	0.85	0.00	0.00	18.11	59.88	21.81	17.77	5.01	1.10	0.00	0.00	21.73	67.42
2695	29.26	26.63	5.59	1.23	0.00	0.00	27.32	90.03	32.91	26.80	7.22	1.59	0.00	0.00	32.79	101.31
2710	19.17	17.45	8.18	1.80	0.00	0.00	21.49	68.09	21.57	17.57	10.36	2.28	0.00	0.00	26.86	78.64
2715	20.77	18.90	6.54	1.44	0.00	0.00	19.40	67.05	23.37	19.03	8.45	1.86	0.00	0.00	23.28	75.99
2725	24.43	22.23	8.55	1.88	0.00	0.00	27.38	84.47	27.48	22.38	10.83	2.38	0.00	0.00	34.22	97.29
2730	24.74	22.52	6.84	1.50	0.00	0.00	23.11	78.71	27.83	22.67	8.83	1.94	0.00	0.00	27.73	89.00
2740	32.48	29.57	10.26	2.26	0.00	0.00	36.40	110.97	36.54	29.76	13.00	2.86	0.00	0.00	45.50	127.66
2745	29.58	29.76	8.21	1.97	0.00	0.00	31.31	100.83	32.87	29.91	10.60	2.54	0.00	0.00	36.83	112.75
2755	46.31	46.58	15.62	3.75	0.00	0.00	49.02	161.28	51.46	46.83	20.17	4.84	0.00	0.00	57.67	180.97
2760	47.11	47.39	19.52	4.69	0.00	0.00	58.66	177.37	52.34	47.64	24.73	5.93	0.00	0.00	71.69	202.33
2775	14.52	11.13	6.78	1.36	0.00	0.00	14.47	48.26	16.76	11.24	8.59	1.72	0.00	0.00	18.78	57.09
2780	14.36	11.01	5.43	1.09	0.00	0.00	11.62	43.51	16.57	11.11	7.01	1.40	0.00	0.00	14.44	50.53
2790	36.81	19.40	8.74	1.75	0.00	0.00	36.67	103.37	46.01	19.85	11.49	2.30	0.00	0.00	51.56	131.21
2795	20.85	15.98	7.50	1.50	0.00	0.00	20.77	66.60	24.06	16.14	9.49	1.90	0.00	0.00	26.96	78.55
2800	20.64	15.82	6.00	1.20	0.00	0.00	16.70	60.36	23.81	15.97	7.75	1.55	0.00	0.00	20.75	69.83
2810	20.32	18.49	7.50	1.65	0.00	0.00	22.77	70.73	22.86	18.62	9.49	2.09	0.00	0.00	28.46	81.52
2815	20.14	18.33	6.00	1.32	0.00	0.00	18.81	64.60	22.66	18.45	7.75	1.70	0.00	0.00	22.57	73.13
2825	53.86	30.37	11.90	2.62	0.00	0.00	56.61	155.36	64.63	30.90	15.64	3.44	0.00	0.00	75.48	190.09
2830	30.19	27.48	10.20	2.24	0.00	0.00	33.83	103.94	33.97	27.66	12.92	2.84	0.00	0.00	42.29	119.68
2835	31.19	28.39	8.16	1.80	0.00	0.00	29.13	98.67	35.09	28.58	10.54	2.32	0.00	0.00	34.96	111.49
2845	27.68	27.84	13.00	3.12	0.00	0.00	34.46	106.10	30.75	27.99	16.46	3.95	0.00	0.00	42.12	121.27
2850	31.88	29.02	10.40	2.29	0.00	0.00	29.77	103.36	35.87	29.21	13.43	2.95	0.00	0.00	35.73	117.19
2865	15.95	12.23	3.99	0.80	0.00	0.00	15.89	48.86	18.40	12.35	5.05	1.01	0.00	0.00	20.63	57.44
2870	13.52	12.30	3.19	0.70	0.00	0.00	12.62	42.33	15.21	12.38	4.12	0.91	0.00	0.00	15.15	47.77
2880	19.90	15.26	5.64	1.13	0.00	0.00	19.83	61.76	22.96	15.40	7.15	1.43	0.00	0.00	25.74	72.68
2885	17.01	15.48	4.51	0.99	0.00	0.00	15.89	53.88	19.14	15.59	5.83	1.28	0.00	0.00	19.06	60.90
2890	19.95	18.16	6.73	1.48	0.00	0.00	22.36	68.68	22.45	18.28	8.52	1.87	0.00	0.00	27.95	79.07
2895	20.67	18.81	5.38	1.18	0.00	0.00	19.30	65.34	23.25	18.94	6.95	1.53	0.00	0.00	23.16	73.83
2900	55.73	56.06	8.62	2.07	0.00	0.00	58.98	181.46	61.92	56.36	11.13	2.67	0.00	0.00	69.39	201.47
2910	5.47	4.20	4.04	1.21	0.89	0.13	4.50	20.44								
2915	5.89	4.51	4.15	1.25	0.89	0.13	4.84	21.66								
2920	6.61	5.10	4.15	1.25	1.21	0.18	5.45	23.95								
2925	7.26	5.58	4.15	1.25	0.19	5.97	25.65									
2930	9.71	7.44	5.63	1.69	1.09	0.16	7.99	33.71								
2935	13.41	10.38	6.14	1.84	2.66	0.40	11.05	45.88								
2940	15.92	12.38	6.14	1.84	3.49	0.52	13.13	53.42								
2945	19.73	15.24	7.51	2.25	3.76	0.56	16.26	65.31								
2950	25.31	19.69	8.30	2.49	5.53	0.83	20.87	83.02								
2955	48.12	37.17	18.48	5.54	9.11	1.37	39.65	159.44								
2965	5.69	4.29	4.12	1.23	0.54	0.08	4.67	20.62								
2970	6.14	4.62	4.37	1.31	0.54	0.08	5.04	22.10								
2975	9.35	7.21	6.50	1.95	1.70	0.25	7.70	34.66								
2985	5.79	4.37	4.51	1.35	0.54	0.08	4.75	21.39								
2990	5.96	4.49	4.51	1.35	0.54	0.08	4.89	21.82								
2995	6.18	4.65	4.51	1.35	0.54	0.08	5.07	22.38								
3000	6.96	5.30	4.51	1.35	0.93	0.14	5.72	24.91								
3005	8.88	6.78	5.60	1.68	1.27	0.19	7.31	31.71								
3010	9.16	6.98	5.60	1.68	1.27	0.19	7.53	32.41								
3015	9.48	7.22	5.60	1.68	1.27	0.19	7.79	33.23								
3020	12.53	9.73	7.29	2.19	2.66	0.40	10.33	45.13								
3025	12.99	10.07	7.29	2.19	2.66	0.40	10.71	46.31								
3030	13.51	10.45	7.29	2.19	2.66	0.40	11.13	47.63								
3035	17.31	13.46	8.48	2.55	3.76	0.56	14.28	60.40								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RFPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	RFPR	TOTAL RATE
3045	5.18	3.89	4.26	1.28	0.44	0.07	4.25	19.37								
3050	5.32	4.02	4.26	1.28	0.54	0.08	4.37	19.87								
3055	5.51	4.16	4.26	1.28	0.54	0.08	4.52	20.35								
3060	6.29	4.81	4.26	1.28	0.93	0.14	5.18	22.89								
3065	14.13	10.91	6.79	2.04	2.66	0.40	11.64	48.57								
3075	9.26	7.79	6.17	1.60	0.76	0.11	6.51	32.20	10.42	7.84	7.89	2.05	0.92	0.14	7.94	37.20
3080	16.24	13.56	8.78	2.28	0.95	0.14	11.41	53.36	18.27	13.66	11.31	2.94	1.16	0.17	13.90	61.41
3090	10.73	7.55	6.21	2.24	0.51	0.08	6.28	33.60	12.38	7.63	8.17	2.94	0.62	0.09	7.97	39.80
3095	10.72	9.02	7.33	1.91	0.94	0.14	7.54	37.60	12.06	9.09	9.64	2.51	1.15	0.17	9.19	43.81
3100	13.42	11.24	7.69	2.00	0.95	0.14	9.43	44.87	15.09	11.32	10.12	2.63	1.16	0.17	11.49	51.98
3105	17.63	16.56	8.96	2.33	2.49	0.37	14.49	62.83	19.59	16.66	11.50	2.99	3.08	0.46	17.25	71.53
3110	27.49	25.51	9.29	2.41	2.49	0.37	22.55	90.11	30.55	25.66	11.89	3.09	3.08	0.46	26.85	101.58
3115	27.44	31.02	14.20	3.69	3.19	0.48	27.48	107.50	30.18	31.15	18.27	4.75	3.94	0.59	32.12	121.00
3125	10.57	7.46	7.80	2.81	0.61	0.09	6.19	35.53	12.20	7.54	10.26	3.69	0.75	0.11	7.86	42.41
3130	10.36	8.66	7.80	2.03	0.68	0.10	7.28	36.91	11.65	8.73	10.26	2.67	0.84	0.13	8.87	43.15
3135	12.64	10.57	8.81	2.29	0.81	0.12	8.88	44.12	14.22	10.65	11.59	3.01	0.99	0.15	10.82	51.43
3145	10.96	7.71	7.58	2.73	0.51	0.08	6.42	35.99	12.65	7.79	9.97	3.59	0.62	0.09	8.14	42.85
3150	11.59	9.73	8.81	2.29	0.90	0.13	8.15	41.60	13.04	9.80	11.59	3.01	1.10	0.17	9.93	48.64
3155	12.56	10.52	8.59	2.23	0.90	0.13	8.83	43.76	14.13	10.60	11.30	2.94	1.10	0.17	10.76	51.00
3160	18.06	16.95	13.18	3.43	2.49	0.37	14.84	69.32	20.07	17.05	17.34	4.51	3.08	0.46	17.67	80.18
3170	16.97	14.32	5.82	1.51	1.66	0.25	11.94	52.47	19.09	14.42	7.41	1.93	2.05	0.31	14.55	59.76
3175	15.75	14.66	5.82	1.51	1.66	0.25	12.92	52.57	17.50	14.75	7.41	1.93	2.05	0.31	15.39	59.34
3180	19.43	18.00	9.30	2.42	1.66	0.25	15.93	66.99	21.59	18.11	12.00	3.12	2.05	0.31	18.97	76.15
3185	22.18	20.60	10.15	2.64	2.11	0.32	18.20	76.20	24.64	20.72	12.98	3.38	2.61	0.39	21.66	86.38
3190	26.60	29.83	12.13	3.15	2.11	0.32	26.60	100.74	29.26	29.96	15.60	4.06	2.61	0.39	31.08	112.96
3195	35.27	40.06	13.52	3.52	4.86	0.73	35.36	133.32	38.80	40.24	17.32	4.50	6.00	0.90	41.33	149.09
3205	15.37	13.00	5.64	1.47	1.66	0.25	10.82	48.21	17.29	13.10	7.17	1.87	2.05	0.31	13.18	54.97
3210	21.30	19.74	8.19	2.13	1.85	0.28	17.47	70.96	23.66	19.86	10.44	2.71	2.29	0.34	20.80	80.10
3215	21.17	23.84	8.41	2.19	2.11	0.32	21.18	79.22	23.28	23.95	10.73	2.79	2.61	0.39	24.76	88.51
3225	16.07	14.96	7.17	1.86	1.66	0.25	13.19	55.16	17.86	15.05	9.17	2.38	2.05	0.31	15.71	62.53
3230	19.70	18.29	9.48	2.46	1.85	0.28	16.16	68.22	21.89	18.40	12.19	3.17	2.29	0.34	19.24	77.52
3235	20.47	23.09	9.98	2.59	2.12	0.32	20.50	79.07	22.52	23.19	12.83	3.33	2.59	0.39	23.95	88.80
3245	13.46	9.47	4.33	1.56	0.66	0.10	7.88	37.46	15.53	9.57	5.50	1.98	0.83	0.12	10.00	43.53
3250	12.55	10.48	4.58	1.19	0.77	0.12	8.81	38.50	14.12	10.56	5.80	1.51	0.96	0.14	10.74	43.83
3255	14.02	11.74	4.85	1.26	1.00	0.15	9.85	42.87	15.77	11.83	6.14	1.60	1.23	0.19	12.01	48.77
3260	17.97	15.14	6.53	1.70	1.66	0.25	12.64	55.89	20.22	15.25	8.35	2.17	2.05	0.31	15.41	63.76
3265	17.78	16.51	6.66	1.73	1.66	0.25	14.59	59.18	19.76	16.61	8.50	2.21	2.05	0.31	17.37	66.81
3270	19.87	18.51	8.23	2.14	2.11	0.32	16.31	67.49	22.08	18.62	10.47	2.72	2.61	0.39	19.42	76.31
3275	24.43	22.64	8.92	2.32	2.11	0.32	20.04	80.78	27.14	22.78	11.37	2.96	2.61	0.39	23.85	91.10
3280	22.08	24.84	10.04	2.61	2.11	0.32	22.09	84.09	24.28	24.95	12.84	3.34	2.61	0.39	25.82	94.23
3285	48.60	54.38	16.30	4.24	3.42	0.51	48.57	176.02	53.46	54.62	20.98	5.45	4.22	0.63	56.77	196.13
3295	10.41	11.74	3.78	6.87	0.00	0.00	11.95	44.75								
3300	0.44	0.50	0.00	0.00	0.00	0.00	0.51	1.45								
3305	1.66	1.87	0.00	0.00	0.00	0.00	1.91	5.44								
3310	13.09	14.76	6.61	8.29	0.00	0.00	15.03	57.78								
3315	0.44	0.50	0.00	0.00	0.00	0.00	0.51	1.45								
3320	1.66	1.87	0.00	0.00	0.00	0.00	1.91	5.44								
3325	16.00	18.04	6.61	8.29	0.00	0.00	18.37	67.31								
3330	0.55	0.62	0.00	0.00	0.00	0.00	0.63	1.80								
3335	1.68	1.90	0.00	0.00	0.00	0.00	1.93	5.51								
3340	18.50	20.86	10.39	10.18	0.00	0.00	21.24	81.17								
3345	0.58	0.66	0.00	0.00	0.00	0.00	0.67	1.91								
3350	3.27	3.69	0.00	0.00	0.00	0.00	3.76	10.72								
3355	19.49	21.98	10.39	10.18	0.00	0.00	22.38	84.42								
3360	0.55	0.62	0.00	0.00	0.00	0.00	0.63	1.80								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
3365	3.45	3.89	0.00	0.00	0.00	0.00	3.96	11.30								
3375	5.60	2.91	0.00	0.80	0.00	0.00	5.98	15.29								
3380	5.27	2.74	0.00	0.80	0.00	0.00	5.63	14.44								
3385	5.82	3.02	0.00	0.80	0.00	0.00	6.21	15.85								
3390	7.08	3.68	0.00	0.85	0.00	0.00	7.56	19.17								
3395	7.86	4.08	0.00	0.90	0.00	0.00	8.39	21.23								
3405	6.22	3.23	0.00	0.80	0.00	0.00	6.64	16.89								
3410	6.78	3.52	0.00	0.85	0.00	0.00	7.24	18.39								
3415	9.46	4.91	4.46	1.07	0.00	0.00	10.10	30.00								
3425	3.11	1.62	0.00	0.51	0.00	0.00	3.32	8.56								
3430	5.50	2.86	0.00	0.81	0.00	0.00	5.87	15.04								
3435	6.47	3.36	0.00	0.81	0.00	0.00	6.90	17.54								
3440	7.99	4.15	0.00	0.91	0.00	0.00	8.53	21.58								
3445	17.24	8.96	7.37	1.77	0.00	0.00	18.41	53.75								
3455	1.42	0.74	0.00	0.31	0.00	0.00	1.52	3.99								
3460	0.91	0.47	0.00	0.31	0.00	0.00	0.97	2.66								
3465	0.14	0.07	0.00	0.25	0.00	0.00	0.14	0.60								
3475	2.39	1.24	1.96	0.47	0.00	0.00	2.55	8.61								
3480	1.62	0.84	0.89	0.21	0.00	0.00	1.73	5.29								
3490	1.35	0.70	1.11	0.18	0.00	0.00	1.44	4.78								
3495	2.05	1.07	2.86	0.46	0.00	0.00	2.19	8.63								
3500	2.45	1.27	1.79	0.43	0.00	0.00	2.61	8.55								
3505	2.82	1.46	2.41	0.58	0.00	0.00	3.01	10.28								
3510	3.38	1.75	2.68	0.64	0.00	0.00	3.60	12.05								
3520	1.42	0.74	1.66	0.27	0.00	0.00	1.52	5.61								
3525	2.21	1.15	2.19	0.53	0.00	0.00	2.35	8.43								
3535	13.05	9.85	9.38	3.56	0.00	0.00	13.92	49.76								
3540	16.96	12.98	13.57	5.16	1.26	0.19	18.15	68.27								
3545	15.83	12.07	19.42	7.38	0.86	0.13	16.93	72.62								
3555	15.39	11.80	10.05	3.82	1.25	0.19	16.48	58.98								
3560	23.55	18.03	14.96	5.68	1.71	0.26	25.21	89.40								
3565	25.07	19.17	15.63	5.94	1.71	0.26	26.83	94.61								
3570	18.09	13.65	18.31	6.96	0.00	0.00	19.31	76.32								
3575	19.99	15.08	18.31	6.96	0.00	0.00	21.33	81.67								
3580	22.67	22.44	23.40	7.49	0.00	0.00	24.19	100.19								
3585	41.98	41.57	35.52	17.76	0.00	0.00	22.40	159.23								
3605	1.24	0.66	1.13	0.51	0.05	0.01	1.07	4.67								
3610	1.24	0.67	1.13	0.51	0.06	0.01	1.07	4.69								
3615	1.28	0.69	1.13	0.51	0.08	0.01	1.11	4.81								
3620	1.79	0.96	2.02	0.91	0.09	0.01	1.55	7.33								
3625	1.83	0.98	2.02	0.91	0.09	0.01	1.58	7.42								
3630	2.01	1.08	2.96	1.33	0.09	0.01	1.74	9.22								
3635	2.49	1.34	3.34	1.50	0.14	0.02	2.15	10.98								
3640	2.62	1.40	3.34	1.50	0.12	0.02	2.26	11.26								
3645	2.78	1.48	3.34	1.50	0.08	0.01	2.40	11.59								
3650	1.21	0.64	2.78	0.67	0.03	0.00	1.04	6.37								
3655	1.57	0.85	3.61	0.87	0.11	0.02	1.36	8.39								
3660	1.57	0.87	3.61	0.87	0.19	0.03	1.37	8.51								
3665	2.23	1.21	4.74	1.14	0.13	0.02	1.94	11.41								
3670	2.26	1.22	4.74	1.14	0.13	0.02	1.96	11.47								
3675	2.35	1.27	4.74	1.14	0.13	0.02	2.04	11.69								
3680	3.39	1.83	4.97	1.19	0.19	0.03	2.93	14.53								
3685	3.65	1.97	2.53	0.61	0.19	0.03	3.16	12.14								
3690	4.74	2.61	4.51	1.08	0.45	0.07	4.13	17.59								
3695	5.19	2.84	4.51	1.08	0.45	0.07	4.51	18.65								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
3700	5.35	2.91	4.51	1.08	0.40	0.06	4.64	18.95								
3705	5.94	3.27	4.51	1.08	0.58	0.09	5.17	20.64								
3710	2.05	1.13	2.45	0.59	0.20	0.03	1.79	8.24								
3715	2.11	1.16	2.45	0.59	0.20	0.03	1.83	8.37								
3720	2.57	1.40	2.45	0.59	0.20	0.03	2.23	9.47								
3725	2.65	1.45	2.45	0.59	0.25	0.04	2.30	9.73								
3735	1.19	0.66	4.74	1.14	0.13	0.02	1.04	8.92								
3740	1.74	0.95	6.02	1.44	0.14	0.02	1.51	11.82								
3745	3.47	1.86	8.73	2.09	0.16	0.02	3.00	19.33								
3750	4.63	2.54	9.56	2.29	0.46	0.07	4.02	23.57								
3755	5.46	2.98	9.56	2.29	0.46	0.07	4.74	25.56								
3760	5.43	2.99	9.56	2.29	0.54	0.08	4.72	25.61								
3765	5.90	3.21	9.56	2.29	0.44	0.07	5.12	26.59								
3770	12.17	6.63	14.30	3.43	0.96	0.14	10.56	48.19								
3785	1.75	0.69	5.34	1.28	0.00	0.00	1.22	10.28	2.00	0.70	7.03	1.69	0.00	0.00	1.63	13.05
3790	2.29	0.90	6.75	1.62	0.00	0.00	1.61	13.17	2.62	0.92	8.88	2.13	0.00	0.00	2.14	16.69
3795	2.47	0.97	7.94	1.91	0.00	0.00	1.73	15.02	2.83	0.99	10.45	2.51	0.00	0.00	2.31	19.09
3800	2.65	1.04	10.47	2.51	0.00	0.00	1.86	18.53	3.03	1.06	13.77	3.31	0.00	0.00	2.48	23.65
3805	3.04	1.19	13.36	3.21	0.00	0.00	2.13	22.93	3.47	1.21	17.57	4.22	0.00	0.00	2.84	29.31
3810	3.61	1.41	13.36	3.21	0.00	0.00	2.52	24.11	4.12	1.44	17.57	4.22	0.00	0.00	3.37	30.72
3815	4.02	1.58	16.24	3.90	0.00	0.00	2.82	28.56	4.60	1.61	21.37	5.13	0.00	0.00	3.76	36.47
3820	4.87	1.91	18.05	4.33	0.00	0.00	3.41	32.57	5.56	1.94	23.75	5.70	0.00	0.00	4.54	41.49
3825	6.62	2.59	23.46	5.63	0.00	0.00	4.63	42.93	7.56	2.64	30.87	7.41	0.00	0.00	6.18	54.66
3830	8.82	3.46	30.50	7.32	0.00	0.00	6.17	56.27	10.08	3.52	40.14	9.63	0.00	0.00	8.23	71.60
3835	11.99	4.70	45.12	10.83	0.00	0.00	8.39	81.03	13.70	4.78	59.37	14.25	0.00	0.00	11.19	103.29
3840	15.77	6.18	52.34	12.56	0.00	0.00	11.04	97.89	18.02	6.29	68.87	16.53	0.00	0.00	14.72	124.43
3850	0.07	0.03	0.38	0.09	0.00	0.00	0.05	0.62	0.08	0.03	0.49	0.12	0.00	0.00	0.07	0.79
3855	0.11	0.04	0.60	0.14	0.00	0.00	0.08	0.97	0.13	0.04	0.78	0.19	0.00	0.00	0.10	1.24
3860	0.15	0.06	0.90	0.22	0.00	0.00	0.10	1.43	0.17	0.06	1.18	0.28	0.00	0.00	0.14	1.83
3875	0.15	0.06	0.45	0.11	0.00	0.00	0.11	0.88	0.17	0.06	0.59	0.14	0.00	0.00	0.14	1.10
3880	0.34	0.13	1.05	0.25	0.00	0.00	0.24	2.01	0.39	0.14	1.37	0.33	0.00	0.00	0.32	2.55
3885	0.37	0.15	1.50	0.36	0.00	0.00	0.26	2.64	0.43	0.15	1.96	0.47	0.00	0.00	0.35	3.36
3890	0.39	0.15	0.22	0.05	0.00	0.00	0.28	1.09	0.45	0.16	0.28	0.07	0.00	0.00	0.37	1.33
3895	0.52	0.21	0.43	0.10	0.00	0.00	0.37	1.63	0.60	0.21	0.57	0.14	0.00	0.00	0.49	2.01
3900	0.75	0.30	0.79	0.19	0.00	0.00	0.53	2.56	0.86	0.30	1.04	0.25	0.00	0.00	0.70	3.15
3905	0.77	0.30	0.97	0.23	0.00	0.00	0.54	2.81	0.88	0.31	1.28	0.31	0.00	0.00	0.72	3.50
3910	1.14	0.45	2.27	0.55	0.00	0.00	0.80	5.21	1.31	0.46	2.99	0.72	0.00	0.00	1.07	6.55
3915	1.51	0.59	3.14	0.75	0.00	0.00	1.06	7.05	1.73	0.60	4.13	0.99	0.00	0.00	1.41	8.86
3920	1.74	0.68	3.68	0.88	0.00	0.00	1.22	8.20	1.99	0.69	4.84	1.16	0.00	0.00	1.62	10.30
3925	2.07	0.81	5.85	1.40	0.00	0.00	1.45	11.58	2.36	0.83	7.69	1.85	0.00	0.00	1.93	14.66
3930	2.17	0.85	5.85	1.40	0.00	0.00	1.52	11.79	2.48	0.87	7.69	1.85	0.00	0.00	2.02	14.91
3935	2.51	0.98	7.58	1.82	0.00	0.00	1.75	14.64	2.86	1.00	9.97	2.39	0.00	0.00	2.34	18.56
3940	2.97	1.16	9.96	2.39	0.00	0.00	2.08	18.56	3.39	1.18	13.11	3.15	0.00	0.00	2.77	23.60
3950	0.09	0.04	0.38	0.09	0.00	0.00	0.07	0.67	0.11	0.04	0.49	0.12	0.00	0.00	0.09	0.85
3955	0.10	0.04	0.53	0.13	0.00	0.00	0.07	0.87	0.12	0.04	0.69	0.16	0.00	0.00	0.10	1.11
3960	0.14	0.06	0.60	0.14	0.00	0.00	0.10	1.04	0.16	0.06	0.78	0.19	0.00	0.00	0.13	1.32
3965	0.18	0.07	0.75	0.18	0.00	0.00	0.13	1.31	0.21	0.07	0.98	0.24	0.00	0.00	0.17	1.67
3970	0.19	0.07	1.20	0.29	0.00	0.00	0.13	1.88	0.22	0.08	1.57	0.38	0.00	0.00	0.18	2.43
3975	0.18	0.07	1.20	0.29	0.00	0.00	0.13	1.87	0.21	0.07	1.57	0.38	0.00	0.00	0.17	2.40
3990	5.99	4.25	4.16	1.41	0.45	0.07	4.81	21.14	7.19	4.31	5.46	1.86	0.60	0.09	6.73	26.24
3995	6.85	4.83	4.49	1.53	0.45	0.07	5.49	23.71	8.22	4.90	5.90	2.01	0.60	0.09	7.68	29.40
4000	7.39	5.22	4.49	1.53	0.49	0.07	5.92	25.11	8.87	5.29	5.90	2.01	0.66	0.10	8.29	31.12
4005	7.50	5.31	4.99	1.70	0.56	0.08	6.01	26.15	9.00	5.39	6.55	2.23	0.76	0.11	8.42	32.46
4010	10.35	7.46	5.98	2.03	1.24	0.19	8.34	35.59	12.42	7.56	7.87	2.67	1.68	0.25	11.68	44.13
4015	14.76	10.67	8.31	2.83	1.93	0.29	11.90	50.69	17.71	10.82	10.92	3.71	2.62	0.39	16.67	62.84

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
4025	5.81	4.13	4.16	1.41	0.49	0.07	4.67	20.74	6.97	4.19	5.46	1.86	0.66	0.10	6.53	25.77	
4030	6.60	4.68	4.79	1.63	0.54	0.08	5.29	23.61	7.92	4.75	6.29	2.14	0.73	0.11	7.41	29.35	
4035	6.97	4.97	4.92	1.67	0.62	0.09	5.60	24.84	8.37	5.04	6.47	2.20	0.84	0.13	7.84	30.89	
4040	7.64	5.40	6.02	2.05	0.54	0.08	6.13	27.86	9.17	5.48	7.91	2.69	0.73	0.11	8.58	34.67	
4045	5.45	3.88	4.16	1.41	0.49	0.07	4.38	19.84	6.54	3.94	5.46	1.86	0.66	0.10	6.13	24.69	
4050	6.04	4.30	4.79	1.63	0.54	0.08	4.85	22.23	7.25	4.36	6.29	2.14	0.73	0.11	6.80	27.68	
4055	6.35	4.53	4.92	1.67	0.62	0.09	5.10	23.28	7.62	4.60	6.47	2.20	0.84	0.13	7.14	29.00	
4060	6.95	4.95	6.02	2.05	0.62	0.09	5.58	26.26	8.34	5.02	7.91	2.69	0.84	0.13	7.82	32.75	
4065	8.58	6.24	7.65	2.60	1.24	0.19	6.93	33.43	10.30	6.32	10.05	3.42	1.68	0.25	9.71	41.73	
4075	3.26	2.28	2.26	0.77	0.15	0.02	2.61	11.35	3.91	2.32	2.97	1.01	0.21	0.03	3.65	14.10	
4080	4.62	3.31	4.32	1.47	0.49	0.07	3.72	18.00	5.54	3.36	5.68	1.93	0.66	0.10	5.20	22.47	
4085	5.08	3.65	4.82	1.64	0.56	0.08	4.09	19.92	6.10	3.70	6.34	2.15	0.76	0.11	5.73	24.89	
4090	5.25	3.83	5.32	1.81	0.82	0.12	4.24	21.39	6.30	3.88	6.99	2.38	1.11	0.17	5.94	26.77	
4100	2.76	1.94	4.73	0.95	0.15	0.02	2.21	12.76	3.32	1.97	6.12	1.22	0.21	0.03	3.10	15.97	
4105	5.92	4.19	4.82	1.64	0.45	0.07	4.75	21.84	7.10	4.25	6.34	2.15	0.60	0.09	6.65	27.18	
4110	7.34	5.20	6.18	2.10	0.56	0.08	5.89	27.35	8.81	5.28	8.13	2.76	0.76	0.11	8.24	34.09	
4120	0.47	0.25	0.00	0.10	0.00	0.00	0.46	1.28									
4125	0.75	0.39	0.00	0.19	0.00	0.00	0.74	2.07									
4130	0.91	0.48	0.00	0.30	0.00	0.00	0.89	2.58									
4135	2.35	1.24	0.00	0.40	0.00	0.00	2.32	6.31									
4145	5.55	2.92	3.61	0.87	0.00	0.00	5.46	18.41									
4150	7.50	3.94	3.61	0.87	0.00	0.00	7.38	23.30									
4155	11.53	6.06	4.69	1.13	0.00	0.00	11.35	34.76									
4160	12.82	6.73	5.41	1.30	0.00	0.00	12.62	38.88									
4175	10.14	4.83	3.42	1.30	0.00	0.00	9.47	29.16	13.53	5.00	4.50	1.71	0.00	0.00	14.43	39.17	
4180	14.65	7.72	6.15	1.23	0.00	0.00	14.59	44.34	18.31	7.90	8.08	1.62	0.00	0.00	20.52	56.43	
4185	21.78	11.48	9.97	1.99	0.00	0.00	21.70	66.92	27.23	11.75	13.11	2.62	0.00	0.00	30.51	85.22	
4190	30.84	17.39	15.16	3.34	0.00	0.00	32.41	99.14	37.01	17.69	19.93	4.38	0.00	0.00	43.22	122.23	
4200	12.51	6.60	5.32	1.06	0.00	0.00	12.46	37.95	15.64	6.75	6.99	1.40	0.00	0.00	17.53	48.31	
4205	18.02	9.50	7.81	1.56	0.00	0.00	17.95	54.84	22.52	9.72	10.27	2.05	0.00	0.00	25.24	69.80	
4210	19.31	10.89	10.24	2.25	0.00	0.00	20.30	62.99	23.18	11.08	13.46	2.96	0.00	0.00	27.07	77.75	
4215	40.31	22.73	20.48	4.51	0.00	0.00	42.37	130.40	48.37	23.12	26.92	5.92	0.00	0.00	56.49	160.82	
4225	16.29	7.76	5.85	2.22	0.00	0.00	15.21	47.33	21.72	8.03	7.69	2.92	0.00	0.00	23.18	63.54	
4230	19.33	10.19	6.82	1.36	0.00	0.00	19.25	56.95	24.16	10.42	8.96	1.79	0.00	0.00	27.07	72.40	
4235	24.36	12.84	8.25	1.65	0.00	0.00	24.26	71.36	30.45	13.14	10.84	2.17	0.00	0.00	34.12	90.72	
4240	36.26	20.45	13.03	2.87	0.00	0.00	38.11	110.72	43.51	20.80	17.13	3.77	0.00	0.00	50.81	136.02	
4250	9.52	4.53	4.16	1.58	0.00	0.00	8.88	28.67	12.69	4.69	5.46	2.08	0.00	0.00	13.54	38.46	
4255	11.85	5.65	5.49	2.08	0.00	0.00	11.06	36.13	15.80	5.84	7.21	2.74	0.00	0.00	16.86	48.45	
4260	11.85	6.25	6.65	1.33	0.00	0.00	11.81	37.89	14.81	6.39	8.74	1.75	0.00	0.00	16.60	48.29	
4270	11.48	5.47	2.99	1.14	0.00	0.00	10.72	31.80	15.31	5.65	3.93	1.49	0.00	0.00	16.33	42.71	
4275	14.22	6.77	4.49	1.71	0.00	0.00	13.27	40.46	18.96	7.00	5.90	2.24	0.00	0.00	20.23	54.33	
4280	22.04	11.62	6.48	1.30	0.00	0.00	21.96	63.40	27.55	11.89	8.52	1.70	0.00	0.00	30.87	80.53	
4285	34.34	18.10	10.81	2.16	0.00	0.00	34.20	99.61	42.92	18.52	14.20	2.84	0.00	0.00	48.10	126.58	
4300	14.43	6.87	3.82	1.45	0.00	0.00	13.47	40.04	19.23	7.11	5.03	1.91	0.00	0.00	20.52	53.80	
4305	17.73	8.45	5.32	2.02	0.00	0.00	16.55	50.07	23.64	8.73	6.99	2.66	0.00	0.00	25.22	67.24	
4310	20.88	11.01	9.04	1.81	0.00	0.00	20.80	63.54	26.10	11.26	11.89	2.38	0.00	0.00	29.25	80.88	
4325	11.58	6.11	5.98	1.20	0.00	0.00	11.54	36.41	14.48	6.25	7.87	1.57	0.00	0.00	16.23	46.40	
4330	20.97	11.05	9.64	1.93	0.00	0.00	20.89	64.48	26.21	11.31	12.67	2.53	0.00	0.00	29.37	82.09	
4335	26.19	14.77	12.97	2.85	0.00	0.00	27.53	84.31	31.43	15.02	17.04	3.75	0.00	0.00	36.70	103.94	
4345	10.48	4.99	4.36	1.66	0.00	0.00	9.78	31.27	13.97	5.16	5.72	2.18	0.00	0.00	14.91	41.94	
4350	18.81	9.92	6.98	1.40	0.00	0.00	18.74	55.85	23.51	10.15	9.18	1.84	0.00	0.00	26.35	71.03	
4355	21.28	11.22	8.64	1.73	0.00	0.00	21.20	64.07	26.60	11.48	11.36	2.27	0.00	0.00	29.81	81.52	
4365	10.65	5.08	3.59	1.36	0.00	0.00	9.94	30.62	14.20	5.25	4.72	1.79	0.00	0.00	15.15	41.11	
4370	14.16	6.75	4.75	1.81	0.00	0.00	13.22	40.69	18.88	6.98	6.25	2.37	0.00	0.00	20.14	54.62	
4375	14.63	7.71	6.98	1.40	0.00	0.00	14.57	45.29	18.28	7.89	9.18	1.84	0.00	0.00	20.49	57.68	

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
4380	21.35	11.26	7.98	1.60	0.00	0.00	21.27	63.46	26.69	11.51	10.49	2.10	0.00	0.00	29.91	80.70
4385	26.57	14.01	10.21	2.04	0.00	0.00	26.47	79.30	33.22	14.33	13.42	2.68	0.00	0.00	37.23	100.88
4390	30.36	17.12	11.04	2.43	0.00	0.00	31.91	92.86	36.44	17.42	14.51	3.19	0.00	0.00	42.55	114.11
4395	37.73	21.28	13.96	3.07	0.00	0.00	39.66	115.70	45.28	21.65	18.35	4.04	0.00	0.00	52.88	142.20
4400	42.02	23.70	15.43	3.39	0.00	0.00	44.17	128.71	50.43	24.11	20.28	4.46	0.00	0.00	58.89	158.17
4405	52.44	34.08	22.08	5.30	0.00	0.00	67.36	181.26	61.18	34.50	29.02	6.96	0.00	0.00	85.73	217.39
4410	61.24	39.79	27.66	6.64	0.00	0.00	78.66	213.99	71.44	40.29	36.36	8.73	0.00	0.00	100.12	256.94
4425	13.37	6.37	5.05	1.92	0.00	0.00	12.48	39.19	17.82	6.58	6.64	2.52	0.00	0.00	19.01	52.57
4430	18.58	9.79	7.58	1.52	0.00	0.00	18.51	55.98	23.22	10.02	9.96	1.99	0.00	0.00	26.02	71.21
4435	23.02	12.13	10.11	2.02	0.00	0.00	22.93	70.21	28.77	12.41	13.28	2.66	0.00	0.00	32.24	89.36
4445	8.94	6.31	7.12	2.62	0.56	0.08	5.23	30.86	10.31	6.38	9.33	3.43	0.71	0.11	6.64	36.91
4450	11.71	8.24	7.25	2.61	0.59	0.09	6.86	37.35	13.51	8.33	9.32	3.36	0.73	0.11	8.70	44.06
4455	13.34	11.17	12.01	3.12	0.94	0.14	9.38	50.10	15.01	11.26	15.48	4.02	1.17	0.18	11.43	58.55
4465	1.46	0.76	0.00	0.11	0.00	0.00	1.41	3.74	1.83	0.78	0.00	0.11	0.00	0.00	1.98	4.70
4470	1.92	1.00	0.00	0.13	0.00	0.00	1.85	4.90	2.40	1.03	0.00	0.13	0.00	0.00	2.60	6.16
4475	2.85	1.49	0.00	0.17	0.00	0.00	2.75	7.26	3.57	1.52	0.00	0.17	0.00	0.00	3.86	9.12
4480	1.47	0.77	0.00	0.24	0.00	0.00	1.42	3.90	1.84	0.78	0.00	0.24	0.00	0.00	1.99	4.85
4490	1.21	0.59	0.71	0.17	0.06	0.01	2.41	5.16								
4500	0.95	0.47	0.28	0.07	0.06	0.01	1.90	3.74								
4505	1.27	0.62	0.57	0.14	0.06	0.01	2.54	5.21								
4510	1.51	0.73	0.71	0.17	0.06	0.01	3.00	6.19								
4520	2.00	1.25	1.01	0.28	0.79	0.12	2.41	7.86	2.49	1.27	1.33	0.37	1.24	0.19	3.35	10.24
4530	0.39	0.23	0.00	0.00	0.00	0.00	0.46	1.08	0.49	0.23	0.00	0.00	0.00	0.00	0.64	1.36
4535	0.48	0.28	0.00	0.00	0.00	0.00	0.57	1.33	0.60	0.28	0.00	0.00	0.00	0.00	0.79	1.67
4540	0.09	0.05	0.00	0.00	0.00	0.00	0.11	0.25	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31
4545	0.44	0.25	0.00	0.00	0.00	0.00	0.52	1.21	0.55	0.26	0.00	0.00	0.00	0.00	0.72	1.53
4550	0.38	0.22	0.00	0.00	0.00	0.00	0.45	1.05	0.48	0.23	0.00	0.00	0.00	0.00	0.63	1.34
4555	0.47	0.27	0.00	0.00	0.00	0.00	0.55	1.29	0.58	0.28	0.00	0.00	0.00	0.00	0.77	1.63
4560	0.68	0.39	0.00	0.00	0.00	0.00	0.81	1.88	0.85	0.40	0.00	0.00	0.00	0.00	1.12	2.37
4565	0.06	0.04	0.00	0.00	0.00	0.00	0.07	0.17	0.08	0.04	0.00	0.00	0.00	0.00	0.10	0.22
4570	2.14	1.35	1.52	0.42	0.97	0.14	2.60	9.14	2.68	1.38	1.99	0.56	1.52	0.23	3.61	11.97
4580	0.46	0.27	0.00	0.00	0.00	0.00	0.55	1.28	0.58	0.27	0.00	0.00	0.00	0.00	0.76	1.61
4585	0.51	0.30	0.00	0.00	0.00	0.00	0.60	1.41	0.64	0.30	0.00	0.00	0.00	0.00	0.84	1.78
4590	0.09	0.05	0.00	0.00	0.00	0.00	0.11	0.25	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31
4595	0.44	0.25	0.00	0.00	0.00	0.00	0.52	1.21	0.55	0.26	0.00	0.00	0.00	0.00	0.72	1.53
4600	0.44	0.25	0.00	0.00	0.00	0.00	0.52	1.21	0.55	0.26	0.00	0.00	0.00	0.00	0.72	1.53
4605	0.61	0.35	0.00	0.00	0.00	0.00	0.72	1.68	0.76	0.36	0.00	0.00	0.00	0.00	1.00	2.12
4610	0.76	0.44	0.00	0.00	0.00	0.00	0.90	2.10	0.95	0.45	0.00	0.00	0.00	0.00	1.25	2.65
4615	0.06	0.04	0.00	0.00	0.00	0.00	0.07	0.17	0.08	0.04	0.00	0.00	0.00	0.00	0.10	0.22
4620	2.43	1.55	2.02	0.57	1.28	0.19	2.95	10.99	3.04	1.58	2.66	0.74	2.02	0.30	4.10	14.44
4630	0.49	0.28	0.00	0.00	0.00	0.00	0.58	1.35	0.61	0.29	0.00	0.00	0.00	0.00	0.80	1.70
4635	0.54	0.32	0.00	0.00	0.00	0.00	0.65	1.51	0.68	0.32	0.00	0.00	0.00	0.00	0.90	1.90
4640	0.09	0.05	0.00	0.00	0.00	0.00	0.11	0.25	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31
4645	0.44	0.25	0.00	0.00	0.00	0.00	0.52	1.21	0.55	0.26	0.00	0.00	0.00	0.00	0.72	1.53
4650	0.51	0.29	0.00	0.00	0.00	0.00	0.60	1.40	0.63	0.30	0.00	0.00	0.00	0.00	0.83	1.76
4655	0.73	0.42	0.00	0.00	0.00	0.00	0.86	2.01	0.91	0.43	0.00	0.00	0.00	0.00	1.19	2.53
4660	0.93	0.54	0.00	0.00	0.00	0.00	1.10	2.57	1.16	0.55	0.00	0.00	0.00	0.00	1.53	3.24
4665	0.06	0.04	0.00	0.00	0.00	0.00	0.07	0.17	0.08	0.04	0.00	0.00	0.00	0.00	0.10	0.22
4670	3.13	2.01	3.03	0.85	1.78	0.27	3.81	14.88	3.91	2.05	3.99	1.12	2.82	0.42	5.29	19.60
4680	0.57	0.33	0.00	0.00	0.00	0.00	0.68	1.58	0.71	0.34	0.00	0.00	0.00	0.00	0.94	1.99
4685	0.75	0.43	0.00	0.00	0.00	0.00	0.89	2.07	0.93	0.44	0.00	0.00	0.00	0.00	1.23	2.60
4690	0.09	0.05	0.00	0.00	0.00	0.00	0.11	0.25	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31
4695	0.44	0.25	0.00	0.00	0.00	0.00	0.52	1.21	0.55	0.26	0.00	0.00	0.00	0.00	0.72	1.53
4700	0.65	0.38	0.00	0.00	0.00	0.00	0.78	1.81	0.82	0.39	0.00	0.00	0.00	0.00	1.08	2.29
4705	0.84	0.49	0.00	0.00	0.00	0.00	0.99	2.32	1.05	0.50	0.00	0.00	0.00	0.00	1.38	2.93

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
4710	1.30	0.75	0.00	0.00	0.00	0.00	1.54	3.59	1.62	0.77	0.00	0.00	0.00	0.00	2.13	4.52	
4715	0.06	0.04	0.00	0.00	0.00	0.00	0.07	0.17	0.08	0.04	0.00	0.00	0.00	0.00	0.10	0.22	
4720	5.69	3.54	4.62	1.29	2.08	0.31	6.87	24.40	7.12	3.61	6.08	1.70	3.27	0.49	9.54	31.81	
4730	0.83	0.48	0.00	0.00	0.00	0.00	0.99	2.30	1.04	0.49	0.00	0.00	0.00	0.00	1.37	2.90	
4735	0.09	0.05	0.00	0.00	0.00	0.00	0.11	0.25	0.11	0.05	0.00	0.00	0.00	0.00	0.15	0.31	
4740	0.46	0.27	0.00	0.00	0.00	0.00	0.55	1.28	0.58	0.28	0.00	0.00	0.00	0.00	0.76	1.62	
4745	0.77	0.45	0.00	0.00	0.00	0.00	0.91	2.13	0.97	0.46	0.00	0.00	0.00	0.00	1.27	2.70	
4750	1.13	0.66	0.00	0.00	0.00	0.00	1.34	3.13	1.42	0.67	0.00	0.00	0.00	0.00	1.87	3.96	
4755	1.60	0.93	0.00	0.00	0.00	0.00	1.90	4.43	2.00	0.95	0.00	0.00	0.00	0.00	2.64	5.59	
4760	0.06	0.04	0.00	0.00	0.00	0.00	0.07	0.17	0.08	0.04	0.00	0.00	0.00	0.00	0.10	0.22	
4765	9.71	6.18	4.51	1.26	5.13	0.77	11.80	39.36	12.14	6.31	5.94	1.66	8.13	1.22	16.39	51.79	
4770	10.89	6.88	6.68	1.87	5.23	0.78	13.20	45.53	13.62	7.02	8.79	2.46	8.30	1.24	18.34	59.77	
4775	10.98	7.11	6.68	1.87	7.23	1.09	13.40	48.36	13.72	7.26	8.79	2.46	11.55	1.73	18.61	64.12	
4780	12.64	8.19	10.47	2.93	8.55	1.28	15.43	59.49	15.80	8.36	13.77	3.86	13.69	2.05	21.42	78.95	
4785	12.24	7.65	6.68	1.87	5.13	0.77	14.80	49.14	15.30	7.81	8.79	2.46	8.13	1.22	20.55	64.26	
4790	12.97	8.09	6.68	1.87	5.23	0.78	15.67	51.29	16.22	8.26	8.79	2.46	8.30	1.24	21.76	67.03	
4795	14.55	9.18	10.47	2.93	7.23	1.09	17.63	63.08	18.19	9.37	13.77	3.86	11.55	1.73	24.49	82.96	
4800	16.03	10.16	10.47	2.93	8.55	1.28	19.45	68.87	20.04	10.37	13.77	3.86	13.69	2.05	27.02	90.80	
4810	1.01	0.58	0.00	0.00	0.00	0.00	1.19	2.78	1.26	0.60	0.00	0.00	0.00	0.00	1.66	3.52	
4815	1.32	0.77	0.00	0.00	0.00	0.00	1.57	3.66	1.65	0.78	0.00	0.00	0.00	0.00	2.18	4.61	
4820	1.52	0.88	0.00	0.00	0.00	0.00	1.80	4.20	1.89	0.90	0.00	0.00	0.00	0.00	2.49	5.28	
4825	1.52	0.88	0.00	0.00	0.00	0.00	1.80	4.20	1.90	0.90	0.00	0.00	0.00	0.00	2.50	5.30	
4835	3.14	1.64	1.52	0.58	0.00	0.00	4.73	11.61	3.93	1.68	2.00	0.76	0.00	0.00	6.15	14.52	
4840	3.93	2.05	2.06	0.78	0.00	0.00	5.91	14.73	4.91	2.10	2.72	1.03	0.00	0.00	7.68	18.44	
4845	5.28	2.75	3.04	1.15	0.00	0.00	7.94	20.16	6.59	2.82	4.00	1.52	0.00	0.00	10.32	25.25	
4850	7.18	3.75	4.09	1.55	0.00	0.00	10.81	27.38	8.97	3.83	5.39	2.05	0.00	0.00	14.05	34.29	
4855	8.48	4.42	5.45	2.07	0.00	0.00	12.76	33.18	10.60	4.53	7.18	2.73	0.00	0.00	16.59	41.63	
4865	3.51	1.83	2.53	0.96	0.00	0.00	5.28	14.11	4.39	1.87	3.33	1.27	0.00	0.00	6.87	17.73	
4870	6.27	3.27	3.12	1.18	0.00	0.00	9.43	23.27	7.83	3.35	4.10	1.56	0.00	0.00	12.26	29.10	
4875	7.82	4.08	4.28	1.63	0.00	0.00	11.78	29.59	9.78	4.18	5.64	2.14	0.00	0.00	15.31	37.05	
4880	10.30	5.38	5.84	2.22	0.00	0.00	15.51	39.25	12.88	5.50	7.69	2.92	0.00	0.00	20.16	49.15	
4885	15.40	8.03	8.18	3.11	0.00	0.00	23.18	57.90	19.25	8.22	10.77	4.09	0.00	0.00	30.13	72.46	
4895	3.30	1.72	2.45	0.93	0.00	0.00	4.97	13.37	4.13	1.76	3.23	1.23	0.00	0.00	6.46	16.81	
4900	3.90	2.03	3.04	1.15	0.00	0.00	5.87	15.99	4.87	2.08	4.00	1.52	0.00	0.00	7.63	20.10	
4905	4.70	2.45	3.39	1.29	0.00	0.00	7.08	18.91	5.88	2.51	4.46	1.70	0.00	0.00	9.20	23.75	
4910	6.05	3.16	4.75	1.81	0.00	0.00	9.11	24.88	7.57	3.23	6.26	2.38	0.00	0.00	11.85	31.29	
4915	7.94	4.14	5.84	2.22	0.00	0.00	11.95	32.09	9.93	4.24	7.69	2.92	0.00	0.00	15.54	40.32	
4920	11.44	5.97	8.69	3.30	0.00	0.00	17.21	46.61	14.29	6.11	11.44	4.35	0.00	0.00	22.38	58.57	
4930	4.06	2.12	2.53	0.96	0.00	0.00	6.11	15.78	5.08	2.17	3.33	1.27	0.00	0.00	7.95	19.80	
4935	4.86	2.54	3.04	1.15	0.00	0.00	7.32	18.91	6.08	2.59	4.00	1.52	0.00	0.00	9.51	23.70	
4940	7.74	4.04	5.06	1.92	0.00	0.00	11.64	30.40	9.67	4.13	6.67	2.53	0.00	0.00	15.14	38.14	
4945	11.30	5.89	7.40	2.81	0.00	0.00	17.01	44.41	14.12	6.03	9.75	3.70	0.00	0.00	22.11	55.71	
4955	3.01	1.57	1.64	0.62	0.00	0.00	4.54	11.38	3.77	1.61	2.15	0.82	0.00	0.00	5.90	14.25	
4960	3.99	2.08	2.61	0.99	0.00	0.00	6.00	15.67	4.98	2.13	3.44	1.31	0.00	0.00	7.80	19.66	
4965	4.93	2.57	3.04	1.15	0.00	0.00	7.42	19.11	6.16	2.63	4.00	1.52	0.00	0.00	9.64	23.95	
4975	3.54	1.85	2.57	0.98	0.00	0.00	5.33	14.27	4.43	1.89	3.39	1.29	0.00	0.00	6.93	17.93	
4980	4.88	2.54	3.51	1.33	0.00	0.00	7.34	19.60	6.10	2.60	4.62	1.75	0.00	0.00	9.54	24.61	
4985	6.32	3.30	4.28	1.63	0.00	0.00	9.52	25.05	7.90	3.37	5.64	2.14	0.00	0.00	12.37	31.42	
4990	7.73	4.03	5.26	2.00	0.00	0.00	11.64	30.66	9.67	4.13	6.93	2.63	0.00	0.00	15.13	38.49	
4995	11.18	5.83	7.79	2.96	0.00	0.00	16.83	44.59	13.98	5.97	10.26	3.90	0.00	0.00	21.88	55.99	
5000	22.39	11.68	13.63	5.18	0.00	0.00	33.71	86.59	27.99	11.95	17.95	6.82	0.00	0.00	43.82	108.53	
5010	0.58	0.35	1.20	0.39	0.09	0.01	0.55	3.17	0.73	0.36	1.57	0.50	0.17	0.03	0.73	4.09	
5015	0.68	0.41	0.47	0.20	0.09	0.01	0.64	2.50	0.85	0.42	0.62	0.26	0.17	0.03	0.86	3.21	
5020	0.84	0.50	1.73	0.55	0.08	0.01	0.79	4.50	1.05	0.51	2.25	0.72	0.15	0.02	1.06	5.76	
5025	0.94	0.56	0.79	0.33	0.08	0.01	0.88	3.59	1.17	0.57	1.04	0.44	0.15	0.02	1.18	4.57	

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	
5030	1.11	0.66	1.01	0.42	0.09	0.01	1.04	4.34	1.38	0.67	1.33	0.56	0.18	0.03	1.39	5.54
5035	1.03	0.61	2.41	0.77	0.09	0.01	0.96	5.88	1.28	0.62	3.14	1.00	0.18	0.03	1.29	7.54
5040	1.18	0.70	2.56	0.82	0.09	0.01	1.11	6.47	1.48	0.72	3.33	1.07	0.18	0.03	1.49	8.30
5045	1.27	0.76	1.30	0.55	0.09	0.01	1.19	5.17	1.59	0.77	1.71	0.72	0.18	0.03	1.60	6.60
5050	1.60	0.97	1.95	0.82	0.27	0.04	1.51	7.16	2.00	0.99	2.56	1.08	0.51	0.08	2.03	9.25
5055	2.82	1.79	2.82	1.18	0.97	0.14	2.70	12.42	3.53	1.82	3.70	1.56	1.84	0.28	3.61	16.34
5065	3.27	1.96	1.99	0.83	0.31	0.05	3.08	11.49	4.09	2.00	2.61	1.10	0.60	0.09	4.12	14.61
5070	4.25	2.57	3.00	1.26	0.65	0.10	4.01	15.84	5.31	2.63	3.94	1.66	1.24	0.19	5.37	20.34
5075	5.51	3.32	3.72	1.56	0.68	0.10	5.20	20.09	6.89	3.39	4.89	2.05	1.30	0.19	6.96	25.67
5080	5.70	3.47	3.97	1.67	1.00	0.15	5.39	21.35	7.13	3.55	5.22	2.19	1.90	0.28	7.22	27.49
5085	7.10	4.29	4.77	2.00	1.00	0.15	6.70	26.01	8.87	4.38	6.27	2.63	1.90	0.28	8.97	33.30
5090	9.87	5.87	6.68	2.80	0.75	0.11	9.27	35.35	12.34	5.99	8.79	3.69	1.42	0.21	12.42	44.86
5100	3.64	2.23	2.35	0.99	0.73	0.11	3.45	13.50	4.55	2.28	3.09	1.30	1.40	0.21	4.62	17.45
5105	4.74	2.87	2.89	1.21	0.74	0.11	4.48	17.04	5.92	2.93	3.80	1.60	1.42	0.21	5.99	21.87
5110	5.37	3.28	3.61	1.52	1.00	0.15	5.09	20.02	6.72	3.35	4.75	1.99	1.90	0.28	6.81	25.80
5115	8.86	5.28	5.60	2.35	0.75	0.11	8.33	31.28	11.08	5.39	7.36	3.09	1.42	0.21	11.16	39.71
5120	11.68	7.20	7.22	3.03	2.65	0.40	11.08	43.26	14.60	7.35	9.50	3.99	5.06	0.76	14.84	56.10
5125	14.85	8.94	9.75	2.92	4.81	0.72	12.28	54.27	17.82	9.09	12.82	3.85	9.19	1.38	15.79	69.94
5130	20.78	12.95	13.54	4.06	7.52	1.13	17.29	77.27	24.94	13.18	17.81	5.34	14.35	2.15	22.23	100.00
5135	41.38	26.35	24.91	7.47	18.38	2.76	34.56	155.81	49.65	26.80	32.77	9.83	35.09	5.26	44.44	203.84
5145	4.10	2.50	2.96	1.24	0.73	0.11	3.88	15.52	5.13	2.55	3.89	1.64	1.40	0.21	5.20	20.02
5150	4.84	2.93	3.86	1.62	0.74	0.11	4.57	18.67	6.05	2.99	5.08	2.13	1.42	0.21	6.12	24.00
5155	5.61	3.42	4.37	1.83	1.00	0.15	5.31	21.69	7.01	3.49	5.75	2.41	1.90	0.28	7.11	27.95
5160	8.09	5.00	5.56	2.33	1.91	0.29	7.68	30.86	10.11	5.10	7.31	3.07	3.65	0.55	10.29	40.08
5165	10.83	6.77	7.58	3.18	3.05	0.46	10.31	42.18	13.54	6.91	9.97	4.19	5.82	0.87	13.81	55.11
5170	14.09	8.51	9.86	2.96	4.81	0.72	11.66	52.61	16.91	8.66	12.97	3.89	9.19	1.38	15.00	68.00
5175	19.94	12.20	13.00	3.90	5.82	0.87	16.54	72.27	23.93	12.41	17.10	5.13	11.11	1.67	21.27	92.62
5180	36.67	23.04	22.09	6.63	14.36	2.15	30.56	135.50	44.00	23.43	29.07	8.72	27.42	4.11	39.29	176.04
5190	3.77	2.30	2.89	1.21	0.68	0.10	3.56	14.51	4.71	2.34	3.80	1.60	1.30	0.19	4.77	18.71
5195	4.82	2.91	3.68	1.55	0.68	0.10	4.55	18.29	6.02	2.97	4.84	2.03	1.30	0.19	6.09	23.44
5200	5.24	3.20	4.33	1.82	1.00	0.15	4.96	20.70	6.55	3.27	5.70	2.39	1.90	0.28	6.64	26.73
5205	7.26	4.53	5.60	2.35	2.01	0.30	6.91	28.96	9.07	4.62	7.36	3.09	3.83	0.57	9.25	37.79
5210	11.58	7.20	7.76	3.26	3.05	0.46	11.01	44.32	14.47	7.35	10.21	4.29	5.82	0.87	14.74	57.75
5215	16.13	10.05	12.09	3.63	5.82	0.87	13.43	62.02	19.36	10.23	15.91	4.77	11.11	1.67	17.26	80.31
5225	1.69	1.05	1.73	0.73	0.42	0.06	1.61	7.29	2.11	1.07	2.28	0.96	0.79	0.12	2.15	9.48
5230	2.10	1.29	1.99	0.83	0.43	0.06	1.99	8.69	2.62	1.32	2.61	1.10	0.81	0.12	2.66	11.24
5235	4.36	2.65	3.18	1.33	0.73	0.11	4.12	16.48	5.45	2.70	4.18	1.76	1.40	0.21	5.52	21.22
5240	5.21	3.19	3.86	1.62	1.00	0.15	4.93	19.96	6.51	3.25	5.08	2.13	1.90	0.28	6.61	25.76
5245	7.62	4.56	4.91	2.06	0.75	0.11	7.18	27.19	9.53	4.65	6.46	2.71	1.42	0.21	9.61	34.59
5255	3.32	2.16	2.89	1.21	1.50	0.22	3.20	14.50	4.15	2.20	3.80	1.60	2.86	0.43	4.28	19.32
5260	4.31	2.66	3.61	1.52	1.00	0.15	4.09	17.34	5.39	2.72	4.75	1.99	1.90	0.28	5.48	22.51
5265	5.11	3.14	4.33	1.82	1.05	0.16	4.84	20.45	6.39	3.20	5.70	2.39	2.01	0.30	6.49	26.48
5270	7.72	4.62	5.60	2.35	0.75	0.11	7.27	28.42	9.66	4.71	7.36	3.09	1.42	0.21	9.73	36.18
5275	10.35	6.46	6.82	2.87	2.90	0.44	9.85	39.69	12.93	6.60	8.98	3.77	5.55	0.83	13.19	51.85
5280	14.34	9.07	7.54	3.17	4.81	0.72	13.71	53.36	17.93	9.26	9.93	4.17	9.19	1.38	18.36	70.22
5285	20.08	12.28	14.98	4.49	5.82	0.87	16.66	75.18	24.10	12.49	19.71	5.91	11.11	1.67	21.42	96.41
5290	38.70	23.70	21.30	6.39	11.41	1.71	32.11	135.32	46.44	24.11	28.02	8.41	21.78	3.27	41.29	173.32
5300	1.63	0.99	1.55	0.65	0.25	0.04	1.54	6.65	2.03	1.01	2.04	0.86	0.47	0.07	2.06	8.54
5305	4.37	2.66	3.07	1.29	0.73	0.11	4.13	16.36	5.47	2.71	4.04	1.70	1.40	0.21	5.54	21.07
5310	5.38	3.22	3.79	1.59	0.59	0.09	5.06	19.72	6.72	3.29	4.99	2.09	1.13	0.17	6.78	25.17
5315	7.59	4.65	5.23	2.20	1.50	0.22	7.19	28.58	9.49	4.74	6.89	2.89	2.86	0.43	9.63	36.93
5320	13.03	7.91	9.39	2.82	4.81	0.72	10.79	49.47	15.63	8.05	12.35	3.70	9.19	1.38	13.88	64.18
5330	4.35	2.68	3.75	1.58	1.00	0.15	4.13	17.64	5.43	2.74	4.94	2.07	1.90	0.28	5.53	22.89
5335	6.36	3.82	5.70	2.40	0.75	0.11	5.99	25.13	7.95	3.90	7.50	3.15	1.42	0.21	8.02	32.15
5340	7.96	5.01	6.75	2.84	2.53	0.38	7.60	33.07	9.95	5.12	8.88	3.73	4.82	0.72	10.18	43.40

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	
5345	11.42	7.03	11.01	3.30	5.02	0.75	9.49	48.02	13.71	7.15	14.49	4.35	9.58	1.44	12.20	62.92
5355	4.49	2.77	3.72	1.56	1.00	0.15	4.26	17.95	5.61	2.82	4.89	2.05	1.90	0.28	5.70	23.25
5360	5.20	3.18	4.08	1.71	1.00	0.15	4.92	20.24	6.50	3.24	5.37	2.25	1.90	0.28	6.59	26.13
5365	7.52	4.50	5.20	2.18	0.75	0.11	7.08	27.34	9.40	4.59	6.84	2.87	1.42	0.21	9.48	34.81
5370	9.79	6.09	7.58	3.18	2.59	0.39	9.31	38.93	12.23	6.21	9.97	4.19	4.95	0.74	12.47	50.76
5375	14.06	8.49	11.08	3.32	4.81	0.72	11.64	54.12	16.87	8.64	14.58	4.37	9.19	1.38	14.96	69.99
5380	20.39	12.45	14.01	4.20	5.82	0.87	16.91	74.65	24.46	12.67	18.43	5.53	11.11	1.67	21.74	95.61
5390	4.72	2.86	3.07	1.29	0.74	0.11	4.46	17.25	5.90	2.92	4.04	1.70	1.42	0.21	5.97	22.16
5395	5.37	3.28	8.80	2.82	1.00	0.15	5.09	26.51	6.72	3.35	11.47	3.67	1.90	0.28	6.81	34.20
5400	7.84	4.68	5.38	2.26	0.75	0.11	7.37	28.39	9.79	4.78	7.08	2.97	1.42	0.21	9.87	36.12
5405	9.31	5.80	6.57	2.76	2.53	0.38	8.86	36.21	11.64	5.92	8.64	3.63	4.82	0.72	11.86	47.23
5410	10.12	6.35	7.33	3.08	3.05	0.46	9.65	40.04	12.65	6.48	9.64	4.05	5.82	0.87	12.92	52.43
5415	14.04	8.61	10.29	3.09	5.90	0.88	11.66	54.47	16.85	8.76	13.54	4.06	11.26	1.69	14.99	71.15
5420	18.42	11.35	14.44	4.33	5.82	0.87	15.30	70.53	22.11	11.54	19.00	5.70	11.11	1.67	19.67	90.80
5430	2.85	1.70	1.70	0.54	0.21	0.03	3.06	10.09	3.56	1.74	2.23	0.71	0.30	0.04	4.07	12.65
5435	3.33	1.99	1.99	0.64	0.21	0.03	3.58	11.77	4.17	2.03	2.61	0.84	0.30	0.04	4.76	14.75
5440	5.13	3.07	2.89	0.92	0.38	0.06	5.52	17.97	6.42	3.13	3.80	1.22	0.53	0.08	7.33	22.51
5445	6.09	3.62	4.01	1.28	0.37	0.05	6.54	21.96	7.61	3.70	5.27	1.69	0.51	0.08	8.68	27.54
5455	3.27	2.02	2.24	0.72	0.59	0.09	3.55	12.48	4.09	2.06	2.94	0.94	0.83	0.13	4.71	15.70
5460	4.81	2.91	2.89	0.92	0.55	0.08	5.19	17.35	6.01	2.97	3.80	1.22	0.77	0.12	6.90	21.79
5465	5.37	3.22	3.61	1.16	0.42	0.06	5.78	19.62	6.72	3.28	4.75	1.52	0.59	0.09	7.68	24.63
5475	4.28	2.24	1.52	0.58	0.00	0.00	6.45	15.07	5.35	2.29	2.00	0.76	0.00	0.00	8.38	18.78
5480	5.10	2.66	2.06	0.78	0.00	0.00	7.68	18.28	6.38	2.72	2.72	1.03	0.00	0.00	9.98	22.83
5500	0.56	0.23	0.00	0.49	0.00	0.00	0.72	2.00								21.41
5505	1.17	0.48	0.00	1.02	0.00	0.00	1.50	4.17								
5510	2.27	0.92	0.00	1.93	0.00	0.00	2.89	8.01								
5515	0.59	0.24	0.00	0.25	0.00	0.00	0.75	1.83								
5520	0.92	0.37	0.00	0.35	0.00	0.00	1.18	2.82								
5530	1.61	0.65	0.00	0.25	0.00	0.00	2.05	4.56								
5535	2.42	0.98	0.00	0.33	0.00	0.00	3.09	6.82								
5545	2.07	0.84	0.00	0.27	0.00	0.00	2.64	5.82								
5550	2.70	1.10	0.00	0.48	0.00	0.00	3.44	7.72								
5555	3.17	1.29	0.00	0.77	0.00	0.00	4.03	9.26								
5565	4.06	1.65	0.00	0.06	0.00	0.00	5.17	10.94								
5570	4.54	1.84	0.00	0.06	0.00	0.00	5.78	12.22								
5575	7.45	3.02	0.00	0.06	0.00	0.00	9.49	20.02								
5580	7.91	3.21	0.00	0.06	0.00	0.00	10.08	21.26								
5590	4.13	1.68	0.00	0.42	0.00	0.00	5.27	11.50								
5595	4.73	1.92	0.00	0.48	0.00	0.00	6.03	13.16								
5600	5.43	2.21	0.00	0.58	0.00	0.00	6.92	15.14								
5605	5.95	2.42	0.00	0.72	0.00	0.00	7.58	16.67								
5610	6.65	2.70	0.00	0.62	0.00	0.00	8.48	18.45								
5615	7.97	3.23	0.00	0.92	0.00	0.00	10.15	22.27								
5620	9.43	3.83	0.00	0.92	0.00	0.00	12.02	26.20								
5625	12.60	5.12	0.00	1.12	0.00	0.00	16.06	34.90								
5630	18.64	7.57	0.00	1.23	0.00	0.00	23.75	51.19								
5640	3.24	1.32	0.00	0.48	0.00	0.00	4.14	9.18								
5645	3.67	1.49	0.00	0.63	0.00	0.00	4.68	10.47								
5650	4.90	1.99	0.00	0.63	0.00	0.00	6.24	13.76								
5655	1.24	0.50	0.00	0.25	0.00	0.00	1.58	3.57								
5660	1.56	0.63	0.00	0.33	0.00	0.00	1.99	4.51								
5665	1.95	0.79	0.00	0.42	0.00	0.00	2.48	5.64								
5675	5.25	2.13	0.00	0.65	0.00	0.00	6.69	14.72								
5680	6.02	2.44	0.00	0.77	0.00	0.00	7.67	16.90								

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	
5685	6.46	2.62	0.00	0.92	0.00	0.00	8.23	18.23								
5690	7.91	3.21	0.00	1.07	0.00	0.00	10.08	22.27								
5695	9.79	3.97	0.00	1.12	0.00	0.00	12.48	27.36								
5700	14.17	5.75	0.00	1.33	0.00	0.00	18.06	39.31								
5710	7.12	2.89	2.13	0.68	0.00	0.00	9.07	21.89								
5715	13.37	5.43	5.63	1.80	0.00	0.00	17.04	43.27								
5720	19.66	7.98	10.65	3.41	0.00	0.00	25.05	66.75								
5725	21.14	8.58	19.85	6.35	0.00	0.00	26.94	82.86								
5730	26.81	10.88	23.46	7.51	0.00	0.00	34.17	102.83								
5740	6.11	5.13	2.09	0.84	0.00	0.00	6.83	21.00	7.33	5.19	2.69	1.08	0.00	0.00	9.29	25.58
5745	9.86	8.29	3.99	1.60	0.00	0.00	11.02	34.76	11.83	8.38	5.13	2.05	0.00	0.00	14.99	42.38
5750	11.28	9.49	3.99	1.60	0.00	0.00	12.62	38.98	13.54	9.60	5.13	2.05	0.00	0.00	17.16	47.48
5755	14.17	11.92	5.98	2.39	0.00	0.00	15.85	50.31	17.01	12.06	7.69	3.08	0.00	0.00	21.55	61.39
5760	19.80	16.65	8.18	3.27	0.00	0.00	22.13	70.03	23.76	16.84	10.52	4.21	0.00	0.00	30.10	85.43
5770	1.22	0.52	0.00	0.15	0.00	0.00	1.35	3.24								
5775	0.45	0.19	0.00	0.10	0.00	0.00	0.50	1.24								
5780	1.80	0.77	0.00	0.31	0.00	0.00	1.99	4.87								
5785	0.78	0.33	0.00	0.05	0.00	0.00	0.86	2.02								
5795	0.49	0.29	1.04	0.33	0.00	0.00	0.52	2.67								
5800	0.62	0.36	1.56	0.50	0.00	0.00	0.65	3.69								
5810	0.03	0.02	0.21	0.07	0.00	0.00	0.04	0.37								
5815	0.04	0.03	0.31	0.10	0.00	0.00	0.05	0.53								
5820	0.08	0.05	0.83	0.27	0.00	0.00	0.09	1.32								
5830	0.65	0.38	4.46	1.43	0.00	0.00	0.68	7.60								
5835	0.37	0.22	1.51	0.57	0.00	0.00	0.39	3.06								
5840	0.86	0.50	8.20	2.62	0.00	0.00	0.91	13.09								
5845	1.24	0.72	3.02	1.15	0.00	0.00	1.31	7.44								
5850	1.60	0.93	3.52	1.34	0.00	0.00	1.69	9.08								
5855	1.70	0.99	3.42	1.30	0.00	0.00	1.79	9.20								
5865	0.07	0.04	0.52	0.17	0.00	0.00	0.07	0.87								
5870	0.10	0.06	0.83	0.27	0.00	0.00	0.10	1.36								
5875	0.20	0.11	1.66	0.53	0.00	0.00	0.21	2.71								
5885	0.09	0.05	0.31	0.10	0.00	0.00	0.09	0.64								
5890	0.10	0.06	0.31	0.10	0.00	0.00	0.10	0.67								
5900	0.12	0.07	0.13	0.06	0.00	0.00	0.06	0.44								
5905	0.17	0.10	0.31	0.14	0.00	0.00	0.09	0.81								
5910	0.61	0.35	1.57	0.71	0.00	0.00	0.32	3.56								
5915	0.79	0.46	3.78	1.70	0.00	0.00	0.42	7.15								
5925	0.10	0.06	0.13	0.06	0.00	0.00	0.05	0.40								
5930	0.12	0.07	0.25	0.11	0.00	0.00	0.06	0.61								
5940	2.44	1.04	0.00	0.10	0.00	0.00	2.35	5.93	3.25	1.08	0.00	0.10	0.00	0.00	3.52	7.95
5945	0.19	0.08	0.00	0.00	0.00	0.00	0.18	0.45	0.25	0.08	0.00	0.00	0.00	0.00	0.28	0.61
5950	1.83	0.78	0.00	0.08	0.00	0.00	1.76	4.45	2.44	0.81	0.00	0.08	0.00	0.00	2.64	5.97
5955	0.08	0.04	0.00	0.00	0.00	0.00	0.08	0.20	0.11	0.04	0.00	0.00	0.00	0.00	0.12	0.27
5960	2.09	0.89	0.00	0.10	0.00	0.00	2.02	5.10	2.79	0.93	0.00	0.10	0.00	0.00	3.02	6.84
5965	0.19	0.08	0.00	0.00	0.00	0.00	0.18	0.45	0.25	0.08	0.00	0.00	0.00	0.00	0.27	0.60
5970	1.52	0.65	0.00	0.08	0.00	0.00	1.46	3.71	2.02	0.67	0.00	0.08	0.00	0.00	2.19	4.96
5975	0.12	0.05	0.00	0.00	0.00	0.00	0.12	0.29	0.16	0.05	0.00	0.00	0.00	0.00	0.18	0.39
5980	0.89	0.38	0.00	0.08	0.00	0.00	0.86	2.21	1.19	0.39	0.00	0.08	0.00	0.00	1.29	2.95
5985	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.06	0.02	0.00	0.00	0.00	0.00	0.07	0.15
5990	2.34	1.00	0.00	0.08	0.00	0.00	2.25	5.67	3.11	1.04	0.00	0.08	0.00	0.00	3.37	7.60
5995	0.19	0.08	0.00	0.00	0.00	0.00	0.18	0.45	0.25	0.08	0.00	0.00	0.00	0.00	0.27	0.60
6000	2.08	0.89	0.00	0.08	0.00	0.00	2.00	5.05	2.77	0.92	0.00	0.08	0.00	0.00	3.00	6.77
6005	0.26	0.11	0.00	0.00	0.00	0.00	0.25	0.62	0.34	0.11	0.00	0.00	0.00	0.00	0.37	0.82
6010	0.73	0.38	0.00	0.08	0.00	0.00	0.71	1.90	0.92	0.39	0.00	0.08	0.00	0.00	0.99	2.38

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
6020	4.79	2.05	0.00	0.22	0.00	0.00	4.61	11.67	6.39	2.12	0.00	0.22	0.00	0.00	6.92	15.65
6025	0.35	0.15	0.00	0.00	0.00	0.00	0.34	0.84	0.47	0.15	0.00	0.00	0.00	0.00	0.50	1.12
6030	5.10	2.18	0.00	0.21	0.00	0.00	4.92	12.41	6.80	2.26	0.00	0.21	0.00	0.00	7.37	16.64
6035	4.06	1.74	0.00	0.16	0.00	0.00	3.91	9.87	5.42	1.80	0.00	0.16	0.00	0.00	5.87	13.25
6040	0.31	0.13	0.00	0.00	0.00	0.00	0.30	0.74	0.42	0.14	0.00	0.00	0.00	0.00	0.45	1.01
6045	3.78	1.62	0.00	0.16	0.00	0.00	3.64	9.20	5.04	1.68	0.00	0.16	0.00	0.00	5.46	12.34
6050	2.74	1.17	0.00	0.10	0.00	0.00	2.64	6.65	3.66	1.22	0.00	0.10	0.00	0.00	3.96	8.94
6055	0.18	0.08	0.00	0.00	0.00	0.00	0.17	0.43	0.24	0.08	0.00	0.00	0.00	0.00	0.26	0.58
6060	2.67	1.14	0.00	0.10	0.00	0.00	2.57	6.48	3.56	1.18	0.00	0.10	0.00	0.00	3.85	8.69
6065	1.53	0.65	0.00	0.08	0.00	0.00	1.48	3.74	2.04	0.68	0.00	0.08	0.00	0.00	2.22	5.02
6070	0.09	0.04	0.00	0.00	0.00	0.00	0.09	0.22	0.12	0.04	0.00	0.00	0.00	0.00	0.13	0.29
6075	0.96	0.41	0.00	0.08	0.00	0.00	0.92	2.37	1.28	0.43	0.00	0.08	0.00	0.00	1.39	3.18
6080	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.06	0.02	0.00	0.00	0.00	0.00	0.07	0.15
6085	0.59	0.25	0.00	0.08	0.00	0.00	0.57	1.49	0.79	0.26	0.00	0.08	0.00	0.00	0.86	1.99
6090	0.03	0.01	0.00	0.00	0.00	0.00	0.02	0.06	0.03	0.01	0.00	0.00	0.00	0.00	0.04	0.08
6095	0.26	0.11	0.00	0.08	0.00	0.00	0.25	0.70	0.35	0.12	0.00	0.08	0.00	0.00	0.38	0.93
6100	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05
6110	5.33	2.27	0.00	0.28	0.00	0.00	5.13	13.01	7.10	2.36	0.00	0.28	0.00	0.00	7.70	17.44
6115	4.15	1.77	0.00	0.20	0.00	0.00	3.99	10.11	5.53	1.84	0.00	0.20	0.00	0.00	5.99	13.56
6120	3.12	1.33	0.00	0.10	0.00	0.00	3.00	7.55	4.16	1.38	0.00	0.10	0.00	0.00	4.50	10.14
6125	1.84	0.79	0.00	0.09	0.00	0.00	1.77	4.49	2.46	0.82	0.00	0.09	0.00	0.00	2.66	6.03
6135	2.84	1.57	3.07	0.74	0.26	0.04	2.93	11.45								
6140	3.14	1.73	3.07	0.74	0.26	0.04	3.24	12.22								
6145	3.65	2.01	3.07	0.74	0.32	0.05	3.76	13.60								
6150	5.79	3.22	4.51	1.08	0.67	0.10	5.97	21.34								
6160	2.47	1.37	2.74	0.66	0.26	0.04	2.55	10.09								
6165	2.67	1.47	2.74	0.66	0.26	0.04	2.75	10.59								
6170	2.73	1.51	2.82	0.68	0.26	0.04	2.81	10.85								
6175	2.61	1.45	8.05	1.93	0.32	0.05	2.69	17.10								
6180	2.92	1.62	2.74	0.66	0.32	0.05	3.01	11.32								
6185	2.71	1.52	8.05	1.93	0.37	0.06	2.80	17.44								
6190	3.02	1.68	2.74	0.66	0.37	0.06	3.12	11.65								
6195	6.62	3.69	4.22	1.01	0.79	0.12	6.84	23.29								
6205	2.71	1.50	2.45	0.59	0.26	0.04	2.79	10.34								
6210	3.39	1.85	2.45	0.59	0.23	0.03	3.49	12.03								
6215	6.91	3.82	4.69	1.13	0.70	0.10	7.12	24.47								
6220	7.89	4.60	4.69	1.13	1.98	0.30	8.23	28.82								
6230	3.45	2.53	0.00	0.19	1.88	0.28	3.81	12.14								
6235	4.88	2.98	0.00	0.21	1.47	0.22	5.15	14.91								
6245	4.49	3.05	0.00	0.35	1.79	0.27	4.86	14.81								
6250	4.76	3.41	0.00	0.40	2.37	0.36	5.22	16.52								
6255	7.16	4.68	0.00	0.60	2.37	0.36	7.68	22.85								
6265	0.56	0.38	0.00	0.05	0.30	0.05	0.61	1.95								
6275	1.00	0.53	0.00	0.13	0.00	0.00	1.03	2.69								
6280	1.27	0.68	0.00	0.13	0.00	0.00	1.30	3.38								
6285	1.31	0.70	0.00	0.13	0.00	0.00	1.34	3.48								
6290	1.96	1.04	0.00	0.13	0.00	0.00	2.01	5.14								
6295	3.01	1.60	0.00	0.13	0.00	0.00	3.07	7.81								
6300	4.54	2.41	0.00	0.13	0.00	0.00	4.64	11.72								
6305	2.97	1.58	0.00	0.14	0.00	0.00	3.04	7.73								
6310	3.47	1.84	0.00	0.13	0.00	0.00	3.54	8.98								
6315	5.34	2.84	0.00	0.13	0.00	0.00	5.46	13.77								
6325	0.44	0.24	0.00	0.14	0.00	0.00	0.45	1.27								
6330	0.90	0.48	0.00	0.14	0.00	0.00	0.92	2.44								
6340	11.67	6.20	7.58	1.82	0.00	0.00	11.93	39.20								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6345	17.68	9.40	11.19	2.69	0.00	0.00	18.08	59.04								
6350	18.69	9.94	11.19	2.69	0.00	0.00	19.11	61.62								
6360	19.16	10.19	11.91	2.86	0.00	0.00	19.59	63.71								
6370	1.98	1.05	1.88	0.45	0.00	0.00	2.02	7.38								
6375	2.36	1.25	1.88	0.45	0.00	0.00	2.41	8.35								
6380	3.61	1.92	3.07	0.74	0.00	0.00	3.69	13.03								
6385	3.77	2.00	3.07	0.74	0.00	0.00	3.85	13.43								
6390	3.93	2.09	3.07	0.74	0.00	0.00	4.02	13.85								
6395	4.09	2.18	3.07	0.74	0.00	0.00	4.19	14.27								
6405	3.94	2.09	8.05	1.93	0.00	0.00	4.03	20.04								
6410	4.23	2.25	3.07	0.74	0.00	0.00	4.32	14.61								
6415	4.17	2.22	8.05	1.93	0.00	0.00	4.27	20.64								
6420	4.46	2.37	3.07	0.74	0.00	0.00	4.56	15.20								
6425	1.94	1.03	4.06	0.98	0.00	0.00	1.98	9.99								
6430	2.62	1.39	8.05	1.93	0.00	0.00	2.68	16.67								
6435	2.91	1.55	3.07	0.74	0.00	0.00	2.98	11.25								
6440	3.18	1.69	8.05	1.93	0.00	0.00	3.25	18.10								
6445	3.47	1.84	3.07	0.74	0.00	0.00	3.55	12.67								
6450	3.43	1.82	8.05	1.93	0.00	0.00	3.50	18.73								
6455	3.72	1.98	3.07	0.74	0.00	0.00	3.80	13.31								
6465	1.22	0.53	1.87	0.60	0.00	0.00	1.56	5.78								
6470	1.49	0.65	1.87	0.60	0.00	0.00	1.91	6.52								
6475	3.55	1.54	2.17	0.69	0.00	0.00	4.54	12.49								
6480	3.44	1.50	2.17	0.69	0.00	0.00	4.40	12.20								
6485	4.80	2.09	4.78	1.53	0.00	0.00	6.14	19.34								
6490	5.07	2.20	4.78	1.53	0.00	0.00	6.48	20.06								
6500	3.39	1.47	2.47	0.79	0.00	0.00	4.33	12.45								
6505	3.68	1.60	2.47	0.79	0.00	0.00	4.70	13.24								
6510	5.92	2.57	3.88	1.24	0.00	0.00	7.56	21.17								
6515	6.45	2.81	3.88	1.24	0.00	0.00	8.25	22.63								
6525	2.94	1.28	1.96	0.63	0.00	0.00	3.75	10.56								
6530	3.47	1.51	1.96	0.63	0.00	0.00	4.44	12.01								
6540	1.75	0.76	1.51	0.48	0.00	0.00	2.24	6.74								
6545	1.59	0.69	1.51	0.48	0.00	0.00	2.03	6.30								
6555	7.37	3.20	3.78	1.21	0.00	0.00	9.42	24.98								
6560	5.62	2.44	2.52	0.81	0.00	0.00	7.18	18.57								
6575	5.59	2.46	3.68	1.18	0.15	0.02	7.17	20.25								
6580	6.24	2.83	4.28	1.37	0.62	0.09	8.05	23.48								
6585	7.23	3.17	4.28	1.37	0.14	0.02	9.25	25.46								
6590	8.24	3.69	6.29	2.01	0.55	0.08	10.60	31.46								
6595	7.57	3.38	6.29	2.01	0.48	0.07	9.73	29.53								
6600	8.01	3.57	6.29	2.01	0.48	0.07	10.29	30.72								
6605	9.16	4.08	6.29	2.01	0.48	0.07	11.77	33.86								
6610	8.41	3.75	6.29	2.01	0.48	0.07	10.81	31.82								
6615	9.13	4.06	6.29	2.01	0.48	0.07	11.73	33.77								
6625	7.96	3.46	6.29	2.01	0.00	0.00	10.18	29.90								
6630	6.36	2.86	4.28	1.37	0.48	0.07	8.18	23.60								
6635	6.76	3.03	6.04	1.93	0.48	0.07	8.70	27.01								
6640	7.71	3.45	6.04	1.93	0.48	0.07	9.91	29.59								
6650	8.24	3.67	5.79	1.85	0.48	0.07	10.58	30.68								
6655	12.17	5.44	10.22	3.27	0.75	0.11	15.64	47.60								
6665	5.38	2.36	3.52	1.13	0.08	0.01	6.88	19.36								
6670	5.32	2.35	3.52	1.13	0.16	0.02	6.82	19.32								
6675	7.14	3.13	4.03	1.29	0.13	0.02	9.14	24.88								
6680	5.98	2.63	4.03	1.29	0.16	0.02	7.66	21.77								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
6685	5.65	2.58	3.52	1.13	0.62	0.09	7.30	20.89								
6690	7.95	3.54	4.43	1.42	0.40	0.06	10.21	28.01								
6695	8.77	3.90	5.99	1.92	0.42	0.06	11.26	32.32								
6700	7.31	3.27	6.29	2.01	0.48	0.07	9.40	28.83								
6705	10.27	4.57	5.99	1.92	0.55	0.08	13.20	36.58								
6710	8.90	3.98	5.99	1.92	0.55	0.08	11.44	32.86								
6715	7.93	3.59	6.29	2.01	0.70	0.11	10.22	30.85								
6725	5.52	2.52	3.42	1.10	0.62	0.09	7.14	20.41								
6730	5.01	2.21	3.42	1.10	0.15	0.02	6.42	18.33								
6735	6.10	2.68	4.03	1.29	0.15	0.02	7.82	22.09								
6740	6.50	2.95	3.78	1.21	0.62	0.09	8.38	23.53								
6745	6.73	2.96	4.03	1.29	0.15	0.02	8.62	23.80								
6750	8.64	3.85	5.54	1.77	0.48	0.07	11.10	31.45								
6755	7.14	3.20	5.39	1.72	0.48	0.07	9.18	27.18								
6760	7.74	3.46	5.39	1.72	0.48	0.07	9.95	28.81								
6765	9.93	4.41	5.54	1.77	0.48	0.07	12.75	34.95								
6775	1.04	0.45	0.81	0.26	0.00	0.00	1.33	3.89								
6780	2.76	1.20	1.71	0.55	0.00	0.00	3.53	9.75								
6785	6.51	2.83	3.57	1.14	0.00	0.00	8.32	22.37								
6790	8.74	3.80	6.29	2.01	0.00	0.00	11.16	32.00								
6795	10.55	4.59	7.80	2.50	0.00	0.00	13.48	38.92								
6800	12.75	5.55	9.11	2.92	0.00	0.00	16.30	46.63								
6805	14.47	6.29	9.11	2.92	0.00	0.00	18.49	51.28								
6815	1.05	0.46	0.81	0.26	0.00	0.00	1.34	3.92								
6820	2.35	1.02	1.76	0.56	0.00	0.00	3.00	8.69								
6825	6.28	2.73	3.52	1.13	0.00	0.00	8.03	21.69								
6830	8.33	3.62	5.79	1.85	0.00	0.00	10.64	30.23								
6835	10.62	4.62	5.99	1.92	0.00	0.00	13.57	36.72								
6845	1.03	0.45	1.45	0.46	0.00	0.00	1.32	4.71								
6850	5.34	2.32	2.62	0.84	0.00	0.00	6.82	17.94								
6855	8.33	3.62	4.03	1.29	0.00	0.00	10.65	27.92								
6860	10.34	4.50	7.85	2.51	0.00	0.00	13.22	38.42								
6865	18.41	8.01	13.19	4.22	0.00	0.00	23.53	67.36								
6875	9.17	5.20	5.56	2.22	2.72	0.41	8.66	33.94	11.46	5.32	7.27	2.91	4.52	0.68	11.55	43.71
6880	15.43	8.07	9.26	2.96	5.66	0.85	11.84	54.07	19.29	8.27	12.11	3.88	9.40	1.41	15.94	70.30
6885	19.10	10.01	10.97	3.51	7.14	1.07	13.53	65.33	23.88	10.26	14.42	4.61	11.86	1.78	18.33	85.14
6890	21.43	11.12	12.23	3.91	7.14	1.07	16.42	73.32	26.79	11.40	15.99	5.12	11.86	1.78	22.11	95.05
6895	22.78	11.68	15.82	4.11	8.61	1.29	17.42	81.71	28.48	11.98	20.52	5.34	14.95	2.24	23.45	106.96
6900	24.29	12.40	15.82	4.11	8.61	1.29	18.56	85.08	30.37	12.72	20.52	5.34	14.95	2.24	24.99	111.13
6905	29.65	15.35	14.96	4.79	9.65	1.45	20.97	96.82	37.06	15.74	19.66	6.29	16.04	2.41	28.39	125.59
6910	34.12	17.49	16.67	5.34	9.65	1.45	26.09	110.81	42.66	17.93	21.80	6.98	16.04	2.41	35.13	142.95
6915	36.98	18.85	24.60	6.40	12.81	1.92	28.25	129.81	46.22	19.33	31.92	8.30	22.24	3.34	38.03	169.38
6920	38.69	19.67	24.60	6.40	12.81	1.92	29.54	133.63	48.36	20.17	31.92	8.30	22.24	3.34	39.77	174.10
6925	42.16	21.66	24.60	6.40	16.36	2.45	32.25	145.88	52.70	22.21	31.92	8.30	28.42	4.26	43.41	191.22
6930	37.91	19.72	18.29	5.85	13.10	1.96	26.83	123.66	47.39	20.22	24.03	7.69	21.75	3.26	36.33	160.67
6935	47.49	24.30	33.39	8.68	17.37	2.61	36.30	170.14	59.36	24.92	43.32	11.26	30.17	4.53	48.87	222.43
6950	13.56	6.99	8.48	2.72	4.18	0.63	10.38	46.94	16.95	7.17	11.10	3.55	6.95	1.04	13.97	60.73
6955	18.17	9.42	10.81	3.46	6.02	0.90	12.85	61.63	22.71	9.66	14.20	4.54	10.01	1.50	17.40	80.02
6960	19.93	10.62	12.04	3.85	8.95	1.34	15.34	72.07	24.91	10.89	15.75	5.04	14.86	2.23	20.65	94.33
6965	21.79	11.21	17.43	4.53	8.61	1.29	16.67	81.53	27.24	11.49	22.62	5.88	14.95	2.24	22.44	106.86
6970	26.47	13.39	17.43	4.53	8.06	1.21	20.20	91.29	33.09	13.73	22.62	5.88	14.00	2.10	27.19	118.61
6980	9.13	5.13	4.63	1.85	2.37	0.35	8.61	32.07	11.41	5.25	6.06	2.42	3.93	0.59	11.48	41.14
6985	19.11	9.93	10.84	3.47	6.49	0.97	13.52	64.33	23.88	10.18	14.25	4.56	10.78	1.62	18.30	83.57
6990	22.73	11.66	17.96	4.67	8.61	1.29	17.38	84.30	28.41	11.95	23.30	6.06	14.95	2.24	23.40	110.31
6995	21.55	11.10	12.08	3.87	6.49	0.97	16.49	72.55	26.94	11.38	15.79	5.05	10.78	1.62	22.20	93.76

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7005	9.70	5.43	6.48	2.59	2.37	0.35	9.14	36.06	12.12	5.55	8.48	3.39	3.93	0.59	12.18	46.24
7010	13.88	7.14	9.26	2.96	4.18	0.63	10.62	48.67	17.35	7.33	12.11	3.88	6.95	1.04	14.30	62.96
7020	20.14	10.42	11.49	3.68	6.49	0.97	15.43	68.62	25.18	10.69	15.02	4.81	10.78	1.62	20.77	88.87
7025	31.87	16.59	15.79	5.05	11.12	1.67	22.55	104.64	39.83	17.02	20.76	6.64	18.48	2.77	30.54	136.04
7030	20.82	10.64	10.12	2.63	7.51	1.13	15.92	68.77	26.03	10.91	13.13	3.41	13.04	1.96	21.42	89.90
7035	35.40	18.07	21.76	5.66	12.44	1.87	27.05	122.25	44.25	18.53	28.23	7.34	21.61	3.24	36.42	159.62
7040	41.65	21.27	25.20	6.55	14.76	2.21	31.83	143.47	52.07	21.81	32.70	8.50	25.63	3.84	42.85	187.40
7055	4.72	2.94	0.00	0.13	1.49	0.22	3.90	13.40	5.66	2.99	0.00	0.13	1.94	0.29	5.02	16.03
7060	5.99	3.89	0.00	0.13	2.67	0.40	4.99	18.07	7.19	3.96	0.00	0.13	3.49	0.52	6.42	21.71
7070	2.32	1.50	0.00	0.08	0.97	0.15	1.93	6.95	2.78	1.53	0.00	0.08	1.27	0.19	2.48	8.33
7080	7.23	3.90	5.63	1.58	0.77	0.12	6.76	25.99	9.04	3.99	7.36	2.06	1.32	0.20	9.58	33.55
7085	11.34	6.15	11.26	3.15	1.58	0.24	10.61	44.33	14.17	6.29	14.73	4.12	2.69	0.40	15.03	57.43
7095	10.43	5.56	11.78	3.30	0.43	0.07	9.73	41.30	13.04	5.69	15.41	4.31	0.71	0.11	13.78	53.05
7105	2.89	1.66	2.53	0.91	0.00	0.00	4.08	12.07	3.61	1.70	3.33	1.20	0.00	0.00	5.57	15.41
7110	0.62	0.32	0.00	0.08	0.00	0.00	0.60	1.62	0.78	0.33	0.00	0.08	0.00	0.00	0.84	2.03
7115	4.02	2.32	3.12	1.12	0.00	0.00	5.69	16.27	5.03	2.36	4.10	1.48	0.00	0.00	7.76	20.73
7120	0.83	0.43	0.00	0.08	0.00	0.00	0.80	2.14	1.03	0.44	0.00	0.08	0.00	0.00	1.12	2.67
7125	0.63	0.33	0.00	0.08	0.00	0.00	0.60	1.64	0.78	0.33	0.00	0.08	0.00	0.00	0.85	2.04
7130	5.95	3.42	4.09	1.47	0.00	0.00	8.41	23.34	7.43	3.49	5.39	1.94	0.00	0.00	11.47	29.72
7135	1.03	0.54	0.00	0.08	0.00	0.00	0.99	2.64	1.29	0.55	0.00	0.08	0.00	0.00	1.39	3.31
7140	0.81	0.42	0.00	0.08	0.00	0.00	0.78	2.09	1.01	0.43	0.00	0.08	0.00	0.00	1.10	2.62
7145	8.08	4.65	5.45	1.96	0.00	0.00	11.44	31.58	10.10	4.75	7.18	2.59	0.00	0.00	15.60	40.22
7150	1.05	0.55	0.00	0.08	0.00	0.00	1.01	2.69	1.31	0.56	0.00	0.08	0.00	0.00	1.42	3.37
7155	1.18	0.62	0.00	0.08	0.00	0.00	1.14	3.02	1.47	0.63	0.00	0.08	0.00	0.00	1.60	3.78
7160	11.79	6.79	7.79	2.80	0.00	0.00	16.69	45.86	14.74	6.93	10.26	3.69	0.00	0.00	22.76	58.38
7165	1.62	0.85	0.00	0.08	0.00	0.00	1.56	4.11	2.03	0.87	0.00	0.08	0.00	0.00	2.20	5.18
7170	1.78	0.93	0.00	0.08	0.00	0.00	1.71	4.50	2.22	0.95	0.00	0.08	0.00	0.00	2.41	5.66
7175	1.42	0.74	0.00	0.08	0.00	0.00	1.36	3.60	1.77	0.76	0.00	0.08	0.00	0.00	1.92	4.53
7180	21.03	9.98	13.05	3.65	0.00	0.00	21.42	69.13	26.29	10.23	17.19	4.81	0.00	0.00	29.75	88.27
7185	2.37	1.23	0.00	0.12	0.00	0.00	2.28	6.00	2.96	1.26	0.00	0.12	0.00	0.00	3.21	7.55
7190	2.61	1.36	0.00	0.13	0.00	0.00	2.51	6.61	3.26	1.39	0.00	0.13	0.00	0.00	3.53	8.31
7195	2.37	1.24	0.00	0.13	0.00	0.00	2.29	6.03	2.96	1.27	0.00	0.13	0.00	0.00	3.21	7.57
7200	0.07	0.04	0.00	0.05	0.00	0.00	0.07	0.23	0.09	0.04	0.00	0.05	0.00	0.00	0.09	0.27
7205	23.43	13.11	17.92	4.30	0.00	0.00	23.86	82.62	28.11	13.34	23.60	5.66	0.00	0.00	31.81	102.52
7210	3.27	1.71	0.00	0.18	0.00	0.00	3.15	8.31	4.09	1.75	0.00	0.18	0.00	0.00	4.43	10.45
7215	3.45	1.80	0.00	0.19	0.00	0.00	3.33	8.77	4.32	1.84	0.00	0.19	0.00	0.00	4.68	11.03
7220	2.88	1.50	0.00	0.16	0.00	0.00	2.77	7.31	3.60	1.54	0.00	0.16	0.00	0.00	3.90	9.20
7225	0.85	0.44	0.00	0.12	0.00	0.00	0.82	2.23	1.07	0.45	0.00	0.12	0.00	0.00	1.15	2.79
7230	0.09	0.05	0.00	0.08	0.00	0.00	0.09	0.31	0.11	0.05	0.00	0.08	0.00	0.00	0.12	0.36
7235	39.29	21.99	27.26	6.54	0.00	0.00	40.02	135.10	47.15	22.37	35.91	8.62	0.00	0.00	53.36	167.41
7240	4.97	2.60	0.00	0.28	0.00	0.00	4.79	12.64	6.22	2.66	0.00	0.28	0.00	0.00	6.74	15.90
7245	5.47	2.85	0.00	0.29	0.00	0.00	5.27	13.88	6.84	2.92	0.00	0.29	0.00	0.00	7.41	17.46
7250	0.11	0.06	0.00	0.08	0.00	0.00	0.10	0.35	0.13	0.06	0.00	0.08	0.00	0.00	0.14	0.41
7255	3.68	1.92	0.00	0.20	0.00	0.00	3.55	9.35	4.60	1.96	0.00	0.20	0.00	0.00	4.99	11.75
7265	3.28	1.89	2.45	0.88	0.00	0.00	4.64	13.14	4.10	1.93	3.23	1.16	0.00	0.00	6.33	16.75
7270	3.86	2.22	3.04	1.09	0.00	0.00	5.47	15.68	4.83	2.27	4.00	1.44	0.00	0.00	7.46	20.00
7275	4.33	2.49	3.43	1.23	0.00	0.00	6.12	17.60	5.41	2.54	4.51	1.63	0.00	0.00	8.35	22.44
7280	0.72	0.37	0.00	0.08	0.00	0.00	0.69	1.86	0.90	0.38	0.00	0.08	0.00	0.00	0.97	2.33
7285	0.72	0.37	0.00	0.05	0.00	0.00	0.69	1.83	0.90	0.38	0.00	0.05	0.00	0.00	0.97	2.30
7290	6.02	3.46	4.75	1.71	0.00	0.00	8.52	24.46	7.52	3.54	6.26	2.25	0.00	0.00	11.61	31.18
7295	0.80	0.42	0.00	0.08	0.00	0.00	0.77	2.07	1.00	0.43	0.00	0.08	0.00	0.00	1.08	2.59
7300	0.98	0.51	0.00	0.05	0.00	0.00	0.94	2.48	1.22	0.52	0.00	0.05	0.00	0.00	1.33	3.12
7305	7.83	4.51	5.84	2.10	0.00	0.00	11.08	31.36	9.79	4.60	7.69	2.77	0.00	0.00	15.11	39.96
7310	1.22	0.64	0.00	0.08	0.00	0.00	1.18	3.12	1.53	0.65	0.00	0.08	0.00	0.00	1.66	3.92
7315	1.22	0.64	0.00	0.05	0.00	0.00	1.18	3.09	1.53	0.65	0.00	0.05	0.00	0.00	1.66	3.89

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	
7320	11.85	6.82	8.69	3.13	0.00	0.00	16.77	47.26	14.81	6.96	11.44	4.12	0.00	0.00	22.86	60.19	
7325	1.30	0.68	0.00	0.08	0.00	0.00	1.25	3.31	1.63	0.70	0.00	0.08	0.00	0.00	1.76	4.17	
7330	1.37	0.71	0.00	0.08	0.00	0.00	1.32	3.48	1.71	0.73	0.00	0.08	0.00	0.00	1.85	4.37	
7335	1.86	0.97	0.00	0.05	0.00	0.00	1.79	4.67	2.32	0.99	0.00	0.05	0.00	0.00	2.52	5.88	
7340	20.82	9.88	11.68	3.27	0.00	0.00	21.20	66.85	26.02	10.13	15.39	4.31	0.00	0.00	29.45	85.30	
7345	2.59	1.35	0.00	0.12	0.00	0.00	2.49	6.55	3.23	1.38	0.00	0.12	0.00	0.00	3.50	8.23	
7350	2.63	1.37	0.00	0.10	0.00	0.00	2.53	6.63	3.28	1.40	0.00	0.10	0.00	0.00	3.56	8.34	
7355	25.03	14.00	17.72	4.25	0.00	0.00	25.49	86.49	30.03	14.25	23.34	5.60	0.00	0.00	33.99	107.21	
7360	3.91	2.04	0.00	0.22	0.00	0.00	3.76	9.93	4.88	2.09	0.00	0.22	0.00	0.00	5.29	12.48	
7365	4.01	2.09	0.00	0.25	0.00	0.00	3.86	10.21	5.01	2.14	0.00	0.25	0.00	0.00	5.43	12.83	
7370	2.50	1.30	0.00	0.12	0.00	0.00	2.41	6.33	3.13	1.34	0.00	0.12	0.00	0.00	3.39	7.98	
7375	33.66	18.84	20.45	4.91	0.00	0.00	34.28	112.14	40.39	19.16	26.93	6.46	0.00	0.00	45.71	138.65	
7380	4.51	2.35	0.00	0.26	0.00	0.00	4.35	11.47	5.64	2.41	0.00	0.26	0.00	0.00	6.11	14.42	
7385	5.16	2.69	0.00	0.25	0.00	0.00	4.98	13.08	6.46	2.76	0.00	0.25	0.00	0.00	7.00	16.47	
7390	2.88	1.50	0.00	0.12	0.00	0.00	2.77	7.27	3.60	1.54	0.00	0.12	0.00	0.00	3.90	9.16	
7400	3.62	2.09	2.53	0.91	0.00	0.00	5.13	14.28	4.53	2.13	3.33	1.20	0.00	0.00	7.00	18.19	
7405	4.55	2.62	3.04	1.09	0.00	0.00	6.43	17.73	5.68	2.67	4.00	1.44	0.00	0.00	8.77	22.56	
7410	6.65	3.83	4.28	1.54	0.00	0.00	9.41	25.71	8.32	3.91	5.64	2.03	0.00	0.00	12.84	32.74	
7415	8.67	4.99	5.45	1.96	0.00	0.00	12.27	33.34	10.84	5.10	7.18	2.59	0.00	0.00	16.74	42.45	
7420	1.00	0.52	0.00	0.05	0.00	0.00	0.96	2.53	1.25	0.53	0.00	0.05	0.00	0.00	1.35	3.18	
7425	1.13	0.59	0.00	0.05	0.00	0.00	1.08	2.85	1.41	0.60	0.00	0.05	0.00	0.00	1.53	3.59	
7430	13.42	7.72	8.18	2.94	0.00	0.00	18.99	51.25	16.77	7.88	10.77	3.88	0.00	0.00	25.89	65.19	
7435	1.77	0.92	0.00	0.05	0.00	0.00	1.71	4.45	2.21	0.94	0.00	0.05	0.00	0.00	2.40	5.60	
7440	1.19	0.62	0.00	0.05	0.00	0.00	1.15	3.01	1.49	0.64	0.00	0.05	0.00	0.00	1.61	3.79	
7445	19.65	9.32	12.07	3.38	0.00	0.00	20.01	64.43	24.56	9.56	15.90	4.45	0.00	0.00	27.79	82.26	
7450	2.17	1.13	0.00	0.10	0.00	0.00	2.09	5.49	2.72	1.16	0.00	0.10	0.00	0.00	2.94	6.92	
7455	1.79	0.93	0.00	0.12	0.00	0.00	1.72	4.56	2.24	0.96	0.00	0.12	0.00	0.00	2.43	5.75	
7460	0.76	0.39	0.00	0.08	0.00	0.00	0.73	1.96	0.94	0.40	0.00	0.08	0.00	0.00	1.02	2.44	
7465	0.44	0.23	0.00	0.13	0.00	0.00	0.42	1.22	0.55	0.23	0.00	0.13	0.00	0.00	0.59	1.50	
7470	0.07	0.03	0.00	0.08	0.00	0.00	0.06	0.24	0.08	0.04	0.00	0.08	0.00	0.00	0.09	0.29	
7480	2.51	1.44	1.64	0.59	0.00	0.00	3.55	9.73	3.14	1.47	2.15	0.78	0.00	0.00	4.84	12.38	
7485	3.55	2.04	2.53	0.91	0.00	0.00	5.03	14.06	4.44	2.09	3.33	1.20	0.00	0.00	6.86	17.92	
7490	4.26	2.45	2.80	1.01	0.00	0.00	6.03	16.55	5.32	2.50	3.69	1.33	0.00	0.00	8.22	21.06	
7495	7.91	4.55	4.28	1.54	0.00	0.00	11.19	29.47	9.89	4.65	5.64	2.03	0.00	0.00	15.26	37.47	
7500	10.49	6.04	5.65	2.03	0.00	0.00	14.85	39.06	13.12	6.17	7.44	2.68	0.00	0.00	20.25	49.66	
7510	2.97	1.71	2.57	0.93	0.00	0.00	4.21	12.39	3.71	1.75	3.39	1.22	0.00	0.00	5.74	15.81	
7515	0.51	0.27	0.00	0.05	0.00	0.00	0.50	1.33	0.64	0.27	0.00	0.05	0.00	0.00	0.70	1.66	
7520	4.46	2.57	3.51	1.26	0.00	0.00	6.31	18.11	5.57	2.62	4.62	1.66	0.00	0.00	8.60	23.07	
7525	0.37	0.19	0.00	0.05	0.00	0.00	0.35	0.96	0.46	0.20	0.00	0.05	0.00	0.00	0.50	1.21	
7530	6.54	3.76	4.60	1.65	0.00	0.00	9.26	25.81	8.18	3.84	6.05	2.18	0.00	0.00	12.62	32.87	
7535	0.61	0.32	0.00	0.05	0.00	0.00	0.59	1.57	0.76	0.33	0.00	0.05	0.00	0.00	0.83	1.97	
7540	9.23	5.31	6.04	2.17	0.00	0.00	13.07	35.82	11.54	5.43	7.95	2.86	0.00	0.00	17.82	45.60	
7545	0.79	0.41	0.00	0.05	0.00	0.00	0.77	2.02	0.99	0.42	0.00	0.05	0.00	0.00	1.08	2.54	
7550	11.63	6.69	8.57	3.08	0.00	0.00	16.46	46.43	14.54	6.84	11.29	4.06	0.00	0.00	22.45	59.18	
7555	1.24	0.65	0.00	0.08	0.00	0.00	1.20	3.17	1.55	0.66	0.00	0.08	0.00	0.00	1.68	3.97	
7560	1.33	0.69	0.00	0.10	0.00	0.00	1.28	3.40	1.66	0.71	0.00	0.10	0.00	0.00	1.80	4.27	
7565	19.01	9.02	12.46	3.49	0.00	0.00	19.36	63.34	23.76	9.25	16.42	4.60	0.00	0.00	26.89	80.92	
7570	1.71	0.89	0.00	0.14	0.00	0.00	1.64	4.38	2.13	0.91	0.00	0.14	0.00	0.00	2.31	5.49	
7575	1.80	0.94	0.00	0.14	0.00	0.00	1.74	4.62	2.25	0.96	0.00	0.14	0.00	0.00	2.44	5.79	
7580	25.58	12.14	15.97	4.47	0.00	0.00	26.06	84.22	31.98	12.45	21.03	5.89	0.00	0.00	36.19	107.54	
7585	2.32	1.21	0.00	0.20	0.00	0.00	2.23	5.96	2.90	1.24	0.00	0.20	0.00	0.00	3.14	7.48	
7590	2.11	1.10	0.00	0.18	0.00	0.00	2.03	5.42	2.64	1.13	0.00	0.18	0.00	0.00	2.86	6.81	
7595	37.77	21.13	24.15	5.80	0.00	0.00	38.47	127.32	45.32	21.50	31.81	7.63	0.00	0.00	51.29	157.55	
7600	5.62	2.93	0.00	0.24	0.00	0.00	5.41	14.20	7.02	3.00	0.00	0.24	0.00	0.00	7.61	17.87	
7605	5.28	2.76	0.00	0.21	0.00	0.00	5.09	13.34	6.60	2.82	0.00	0.21	0.00	0.00	7.15	16.78	

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7610	4.94	2.58	0.00	0.19	0.00	0.00	4.76	12.47	6.18	2.64	0.00	0.19	0.00	0.00	6.70	15.71
7620	11.87	6.83	7.98	2.87	0.00	0.00	16.80	46.35	14.84	6.98	10.52	3.79	0.00	0.00	22.91	59.04
7625	1.24	0.65	0.00	0.05	0.00	0.00	1.19	3.13	1.55	0.66	0.00	0.05	0.00	0.00	1.68	3.94
7630	1.39	0.72	0.00	0.05	0.00	0.00	1.34	3.50	1.73	0.74	0.00	0.05	0.00	0.00	1.88	4.40
7635	1.42	0.74	0.00	0.05	0.00	0.00	1.37	3.58	1.77	0.76	0.00	0.05	0.00	0.00	1.92	4.50
7640	15.74	7.47	10.13	2.84	0.00	0.00	16.03	52.21	19.68	7.66	13.34	3.73	0.00	0.00	22.27	66.68
7645	1.75	0.91	0.00	0.05	0.00	0.00	1.69	4.40	2.19	0.93	0.00	0.05	0.00	0.00	2.37	5.54
7650	2.30	1.20	0.00	0.05	0.00	0.00	2.21	5.76	2.87	1.23	0.00	0.05	0.00	0.00	3.11	7.26
7655	1.91	1.00	0.00	0.05	0.00	0.00	1.84	4.80	2.39	1.02	0.00	0.05	0.00	0.00	2.59	6.05
7660	21.13	10.02	13.63	3.82	0.00	0.00	21.52	70.12	26.41	10.28	17.95	5.03	0.00	0.00	29.89	89.56
7665	2.29	1.19	0.00	0.12	0.00	0.00	2.20	5.80	2.86	1.22	0.00	0.12	0.00	0.00	3.10	7.30
7670	2.51	1.31	0.00	0.13	0.00	0.00	2.41	6.36	3.13	1.34	0.00	0.13	0.00	0.00	3.40	8.00
7675	2.19	1.14	0.00	0.11	0.00	0.00	2.11	5.55	2.74	1.17	0.00	0.11	0.00	0.00	2.97	6.99
7680	0.09	0.05	0.00	0.05	0.00	0.00	0.09	0.28	0.12	0.05	0.00	0.05	0.00	0.00	0.12	0.34
7685	0.59	0.31	0.00	0.11	0.00	0.00	0.57	1.58	0.74	0.31	0.00	0.11	0.00	0.00	0.80	1.96
7695	11.85	6.58	7.58	2.12	2.41	0.36	8.97	39.87	14.81	6.73	9.97	2.79	5.05	0.76	12.14	52.25
7700	16.94	9.70	10.83	3.03	5.62	0.84	12.90	59.86	21.17	9.93	14.25	3.99	11.77	1.76	17.47	80.34
7705	23.82	13.94	16.24	4.55	7.18	1.08	18.23	85.04	29.78	14.26	21.37	5.98	15.04	2.26	24.69	113.38
7715	18.54	10.59	10.90	3.05	5.88	0.88	14.11	63.95	23.18	10.83	14.34	4.02	12.32	1.85	19.11	85.65
7720	30.45	17.93	20.65	5.78	9.74	1.46	23.34	109.35	38.06	18.35	27.17	7.61	20.40	3.06	31.60	146.25
7730	1.01	0.57	1.55	0.43	0.22	0.03	0.76	4.57	1.26	0.58	2.04	0.57	0.46	0.07	1.04	6.02
7735	1.14	0.64	1.80	0.51	0.22	0.03	0.87	5.21	1.43	0.65	2.37	0.66	0.46	0.07	1.17	6.81
7740	1.28	0.72	2.24	0.63	0.27	0.04	0.97	6.15	1.60	0.74	2.94	0.82	0.55	0.08	1.32	8.05
7750	0.24	0.14	0.68	0.19	0.03	0.01	0.27	1.56	0.30	0.14	0.88	0.25	0.05	0.01	0.38	2.01
7755	1.03	0.55	1.35	0.38	0.06	0.01	1.14	4.52	1.28	0.57	1.76	0.49	0.09	0.01	1.59	5.79
7760	1.44	0.77	2.11	0.59	0.06	0.01	1.60	6.58	1.80	0.79	2.75	0.77	0.09	0.01	2.22	8.43
7765	2.59	1.40	2.31	0.65	0.19	0.03	2.88	10.05	3.23	1.43	3.04	0.85	0.27	0.04	4.00	12.86
7770	5.33	2.87	3.79	1.06	0.33	0.05	5.93	19.36	6.66	2.93	4.99	1.40	0.46	0.07	8.23	24.74
7785	1.77	0.94	0.87	0.24	0.06	0.01	1.97	5.86	2.21	0.97	1.14	0.32	0.09	0.01	2.73	7.47
7790	3.45	1.85	1.59	0.44	0.19	0.03	3.84	11.39	4.32	1.90	2.09	0.59	0.27	0.04	5.33	14.54
7795	3.82	2.05	1.99	0.56	0.19	0.03	4.25	12.89	4.78	2.09	2.61	0.73	0.27	0.04	5.90	16.42
7800	6.15	3.23	4.08	1.14	0.00	0.00	6.81	21.41	7.69	3.31	5.37	1.50	0.00	0.00	9.46	27.33
7805	12.10	6.35	6.32	1.77	0.00	0.00	13.39	39.93	15.12	6.50	8.31	2.33	0.00	0.00	18.59	50.85
7815	10.04	5.27	3.61	1.01	0.00	0.00	11.11	31.04	12.55	5.39	4.75	1.33	0.00	0.00	15.43	39.45
7820	14.61	7.67	5.78	1.62	0.00	0.00	16.16	45.84	18.26	7.85	7.60	2.13	0.00	0.00	22.45	58.29
7825	18.72	9.83	5.78	1.62	0.00	0.00	20.71	56.66	23.40	10.06	7.60	2.13	0.00	0.00	28.77	71.96
7835	8.06	4.23	2.42	0.68	0.00	0.00	8.92	24.31	10.08	4.33	3.18	0.89	0.00	0.00	12.39	30.87
7840	8.78	4.61	2.42	0.68	0.00	0.00	9.71	26.20	10.97	4.71	3.18	0.89	0.00	0.00	13.49	33.24
7845	9.04	4.75	2.42	0.68	0.00	0.00	10.00	26.89	11.30	4.86	3.18	0.89	0.00	0.00	13.89	34.12
7850	17.12	8.99	5.41	1.52	0.00	0.00	18.95	51.99	21.40	9.20	7.12	1.99	0.00	0.00	26.31	66.02
7855	21.27	11.17	6.32	1.77	0.00	0.00	23.54	64.07	26.59	11.43	8.31	2.33	0.00	0.00	32.69	81.35
7870	0.85	0.33	2.68	0.75	0.12	0.02	0.82	5.57	1.02	0.34	3.58	1.00	0.15	0.02	1.13	7.24
7875	1.06	0.41	2.68	0.75	0.14	0.02	1.03	6.09	1.28	0.42	3.58	1.00	0.19	0.03	1.41	7.91
7880	0.88	0.35	2.68	0.75	0.19	0.03	0.86	5.74	1.06	0.36	3.58	1.00	0.23	0.03	1.18	7.44
7885	1.08	0.43	2.68	0.75	0.22	0.03	1.05	6.24	1.30	0.44	3.58	1.00	0.29	0.04	1.44	8.09
7890	0.99	0.40	2.68	0.75	0.30	0.04	0.97	6.13	1.19	0.41	3.58	1.00	0.38	0.06	1.33	7.95
7895	1.35	0.71	6.14	1.84	0.38	0.06	1.13	11.61	1.80	0.73	7.90	2.37	0.49	0.07	1.76	15.12
7900	1.92	0.98	3.79	0.99	0.38	0.06	1.60	9.72	2.57	1.02	4.93	1.28	0.49	0.07	2.49	12.85
7905	1.59	0.82	7.06	2.12	0.38	0.06	1.33	13.36	2.11	0.85	9.08	2.72	0.49	0.07	2.06	17.38
7910	2.19	1.11	3.79	0.99	0.38	0.06	1.82	10.34	2.92	1.15	4.93	1.28	0.49	0.07	2.83	13.67
7915	1.73	0.90	7.06	2.12	0.47	0.07	1.45	13.80	2.31	0.93	9.08	2.72	0.59	0.09	2.26	17.98
7920	2.18	1.16	3.79	0.99	0.81	0.12	1.84	10.89	2.90	1.20	4.93	1.28	1.03	0.15	2.86	14.35
7925	2.90	1.37	13.22	4.23	0.82	0.12	2.26	24.92	3.87	1.42	17.03	5.45	1.06	0.16	3.51	32.50
7930	4.03	1.88	6.14	1.72	0.98	0.15	3.13	18.03	5.37	1.95	7.99	2.24	1.27	0.19	4.87	23.88
7935	4.23	1.97	6.14	1.72	1.01	0.15	3.28	18.50	5.63	2.04	7.99	2.24	1.29	0.19	5.10	24.48

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	
7940	3.98	1.86	6.14	1.72	1.01	0.15	3.09	17.95	5.30	1.93	7.99	2.24	1.29	0.19	4.81	23.75
7945	4.69	2.17	6.14	1.72	1.01	0.15	3.63	19.51	6.25	2.25	7.99	2.24	1.29	0.19	5.65	25.86
7950	6.18	2.86	8.39	2.35	1.33	0.20	4.79	26.10	8.24	2.96	10.91	3.05	1.71	0.26	7.45	34.58
7955	6.55	3.04	8.39	2.35	1.43	0.21	5.08	27.05	8.74	3.15	10.91	3.05	1.84	0.28	7.90	35.87
7960	6.19	2.88	8.39	2.35	1.43	0.21	4.80	26.25	8.26	2.99	10.91	3.05	1.84	0.28	7.47	34.80
7965	6.16	2.83	10.04	2.81	1.20	0.18	4.77	27.99	8.21	2.94	13.05	3.65	1.55	0.23	7.41	37.04
7975	0.93	0.37	2.82	0.79	0.15	0.02	0.91	5.99	1.12	0.38	3.76	1.05	0.19	0.03	1.24	7.77
7980	1.21	0.47	2.74	0.77	0.15	0.02	1.17	6.53	1.45	0.48	3.65	1.02	0.19	0.03	1.60	8.42
7985	1.32	0.51	2.82	0.79	0.16	0.02	1.28	6.90	1.59	0.52	3.76	1.05	0.21	0.03	1.75	8.91
7990	1.24	0.48	2.82	0.79	0.16	0.02	1.20	6.71	1.49	0.50	3.76	1.05	0.20	0.03	1.65	8.68
7995	1.33	0.51	2.82	0.79	0.19	0.03	1.28	6.95	1.59	0.53	3.76	1.05	0.25	0.04	1.76	8.98
8000	1.17	0.47	2.74	0.77	0.30	0.04	1.15	6.64	1.41	0.48	3.65	1.02	0.38	0.06	1.57	8.57
8005	1.24	0.65	6.42	1.93	0.38	0.06	1.04	11.72	1.65	0.67	8.26	2.48	0.49	0.07	1.62	15.24
8010	1.35	0.71	6.42	1.93	0.38	0.06	1.14	11.99	1.80	0.73	8.26	2.48	0.49	0.07	1.77	15.60
8015	1.97	1.01	3.86	1.00	0.38	0.06	1.64	9.92	2.63	1.04	5.02	1.31	0.49	0.07	2.56	13.12
8020	1.41	0.75	7.14	2.14	0.47	0.07	1.19	13.17	1.89	0.78	9.18	2.75	0.59	0.09	1.85	17.13
8025	2.94	1.50	5.26	1.37	0.61	0.09	2.45	14.22	3.91	1.55	6.84	1.78	0.77	0.12	3.81	18.78
8030	2.69	1.31	12.27	3.93	1.07	0.16	2.11	23.54	3.59	1.36	15.81	5.06	1.38	0.21	3.28	30.69
8035	3.30	1.57	7.20	2.01	1.07	0.16	2.58	17.89	4.40	1.63	9.35	2.62	1.38	0.21	4.01	23.60
8040	3.92	1.81	8.25	2.31	0.76	0.11	3.04	20.20	5.23	1.87	10.72	3.00	0.97	0.15	4.72	26.66
8045	4.35	2.03	7.37	2.06	1.07	0.16	3.38	20.42	5.81	2.10	9.58	2.68	1.38	0.21	5.26	27.02
8050	4.06	2.06	5.38	1.40	0.76	0.11	3.38	17.15	5.42	2.13	7.00	1.82	0.95	0.14	5.26	22.72
8055	5.13	2.36	10.53	2.95	1.07	0.16	3.97	26.17	6.83	2.45	13.69	3.83	1.38	0.21	6.17	34.56
8060	5.25	2.45	10.78	3.02	1.27	0.19	4.07	27.03	7.00	2.54	14.01	3.92	1.62	0.24	6.34	35.67
8065	6.13	2.86	10.78	3.02	1.47	0.22	4.76	29.24	8.17	2.96	14.01	3.92	1.89	0.28	7.40	38.63
8075	1.47	0.75	3.63	0.94	0.28	0.04	1.23	8.34	1.96	0.77	4.72	1.23	0.35	0.05	1.91	10.99
8080	1.30	0.67	5.87	1.76	0.28	0.04	1.09	11.01	1.74	0.69	7.54	2.26	0.35	0.05	1.69	14.32
8085	1.92	0.96	3.86	1.00	0.28	0.04	1.59	9.65	2.56	1.00	5.02	1.31	0.35	0.05	2.47	12.76
8090	2.41	1.21	4.21	1.10	0.38	0.06	2.00	11.37	3.21	1.25	5.48	1.42	0.49	0.07	3.11	15.03
8095	4.02	1.89	7.37	2.06	1.07	0.16	3.13	19.70	5.37	1.96	9.58	2.68	1.38	0.21	4.86	26.04
8100	5.44	2.50	8.07	2.26	1.07	0.16	4.21	23.71	7.25	2.59	10.49	2.94	1.38	0.21	6.54	31.40
8105	5.72	2.62	10.53	2.95	1.07	0.16	4.42	27.47	7.63	2.72	13.69	3.83	1.38	0.21	6.88	36.34
8110	5.56	2.55	7.37	2.06	1.07	0.16	4.30	23.07	7.41	2.65	9.58	2.68	1.38	0.21	6.69	30.60
8115	5.82	2.67	8.07	2.26	1.07	0.16	4.50	24.55	7.77	2.77	10.49	2.94	1.38	0.21	7.00	32.56
8125	6.13	2.81	10.53	2.95	1.12	0.17	4.74	28.45	8.17	2.91	13.69	3.83	1.45	0.22	7.37	37.64
8130	6.18	2.83	10.53	2.95	1.12	0.17	4.78	28.56	8.24	2.93	13.69	3.83	1.45	0.22	7.43	37.79
8135	6.67	3.04	9.48	2.65	1.12	0.17	5.15	28.28	8.89	3.16	12.32	3.45	1.45	0.22	8.01	37.50
8145	6.79	3.13	8.60	2.41	1.42	0.21	5.26	27.82	9.06	3.24	11.18	3.13	1.86	0.28	8.18	36.93
8150	5.97	2.74	10.53	2.95	1.12	0.17	4.62	28.10	7.96	2.84	13.69	3.83	1.45	0.22	7.18	37.17
8155	5.75	2.64	10.53	2.95	1.12	0.17	4.44	27.60	7.66	2.74	13.69	3.83	1.45	0.22	6.91	36.50
8160	6.44	2.94	12.28	3.44	1.12	0.17	4.98	31.37	8.59	3.05	15.97	4.47	1.45	0.22	7.74	41.49
8170	2.51	1.08	0.00	0.10	0.00	0.00	2.17	5.86								
8175	3.03	1.30	0.00	0.10	0.00	0.00	2.61	7.04								
8180	4.68	2.01	0.00	0.10	0.00	0.00	4.03	10.82								
8185	5.80	2.49	0.00	0.10	0.00	0.00	4.99	13.38								
8190	6.40	2.75	0.00	0.10	0.00	0.00	5.51	14.76								
8200	0.60	0.26	0.00	0.09	0.00	0.00	0.52	1.47	0.80	0.27	0.00	0.09	0.00	0.00	0.79	1.95
8205	0.95	0.41	0.00	0.09	0.00	0.00	0.82	2.27	1.26	0.42	0.00	0.09	0.00	0.00	1.24	3.01
8210	0.96	0.41	0.00	0.09	0.00	0.00	0.83	2.29	1.28	0.43	0.00	0.09	0.00	0.00	1.26	3.06
8215	0.97	0.42	0.00	0.09	0.00	0.00	0.84	2.32	1.30	0.43	0.00	0.09	0.00	0.00	1.28	3.10
8225	0.19	0.08	0.00	0.00	0.00	0.00	0.17	0.44								
8230	0.20	0.09	0.00	0.00	0.00	0.00	0.17	0.46								
8235	0.22	0.09	0.00	0.00	0.00	0.00	0.19	0.50								
8240	0.26	0.11	0.00	0.00	0.00	0.00	0.22	0.59								
8245	0.28	0.12	0.00	0.00	0.00	0.00	0.24	0.64								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8250	0.27	0.12	0.00	0.00	0.00	0.00	0.23	0.62								
8260	0.23	0.10	0.00	0.09	0.00	0.00	0.20	0.62								
8265	0.27	0.12	0.00	0.09	0.00	0.00	0.23	0.71								
8270	0.74	0.32	0.00	0.09	0.00	0.00	0.64	1.79								
8275	0.84	0.36	0.00	0.09	0.00	0.00	0.72	2.01								
8285	2.62	1.12	0.00	0.13	0.00	0.00	2.25	6.12								
8290	2.66	1.14	0.00	0.13	0.00	0.00	2.29	6.22								
8295	2.68	1.15	0.00	0.13	0.00	0.00	2.31	6.27								
8300	2.72	1.17	0.00	0.13	0.00	0.00	2.34	6.36								
8310	1.16	0.50	0.00	0.00	0.00	0.00	1.00	2.66								
8315	1.22	0.53	0.00	0.00	0.00	0.00	1.05	2.80								
8320	1.30	0.56	0.00	0.00	0.00	0.00	1.12	2.98								
8330	1.96	1.03	0.00	0.09	0.53	0.08	1.38	5.07	2.45	1.06	0.00	0.09	0.63	0.09	2.01	6.33
8335	2.37	1.22	0.00	0.09	0.53	0.08	1.66	5.95	2.96	1.26	0.00	0.09	0.63	0.09	2.42	7.45
8340	2.39	1.23	0.00	0.09	0.53	0.08	1.67	5.99	2.98	1.26	0.00	0.09	0.63	0.09	2.44	7.49
8345	2.82	1.47	0.00	0.09	0.68	0.10	1.99	7.15	3.53	1.51	0.00	0.09	0.82	0.12	2.90	8.97
8350	3.40	1.74	0.00	0.09	0.67	0.10	2.38	8.38	4.25	1.79	0.00	0.09	0.80	0.12	3.47	10.52
8355	6.86	3.69	0.00	0.09	2.28	0.34	4.85	18.11	8.58	3.78	0.00	0.09	2.74	0.41	7.07	22.67
8360	7.56	4.11	0.00	0.09	2.76	0.41	5.35	20.28	9.45	4.21	0.00	0.09	3.32	0.50	7.80	25.37
8370	2.67	1.37	0.00	0.09	0.53	0.08	1.87	6.61	3.34	1.41	0.00	0.09	0.63	0.09	2.73	8.29
8380	1.23	0.90	0.00	0.09	0.42	0.06	0.90	3.60								
8385	1.36	0.99	0.00	0.09	0.48	0.07	1.00	3.99								
8390	1.48	1.08	0.00	0.09	0.53	0.08	1.09	4.35								
8395	1.69	1.25	0.00	0.13	0.64	0.10	1.25	5.06								
8400	1.74	1.30	0.00	0.13	0.72	0.11	1.29	5.29								
8405	2.02	1.50	0.00	0.13	0.79	0.12	1.50	6.06								
8410	2.13	1.61	0.00	0.13	0.97	0.15	1.59	6.58								
8415	2.67	1.96	0.00	0.13	0.97	0.15	1.97	7.85								
8420	2.76	2.02	0.00	0.13	0.97	0.15	2.04	8.07								
8425	3.19	2.32	0.00	0.17	1.05	0.16	2.35	9.24								
8430	3.42	2.50	0.00	0.17	1.18	0.18	2.52	9.97								
8435	3.83	2.79	0.00	0.17	1.30	0.19	2.82	11.10								
8440	4.29	3.24	0.00	0.17	1.94	0.29	3.20	13.13								
8445	1.00	0.77	0.00	0.09	0.53	0.08	0.75	3.22								
8455	0.92	0.72	0.00	0.09	0.53	0.08	0.69	3.03								
8465	1.19	0.90	0.00	0.11	0.53	0.08	0.89	3.70								
8470	1.20	0.90	0.00	0.11	0.53	0.08	0.90	3.72								
8480	0.61	0.47	0.00	0.10	0.32	0.05	0.46	2.01								
8485	0.69	0.55	0.00	0.10	0.40	0.06	0.52	2.32								
8490	0.75	0.59	0.00	0.10	0.44	0.07	0.57	2.52								
8500	1.95	1.26	2.27	0.64	0.19	0.03	1.21	7.55								
8505	1.98	1.33	2.27	0.64	0.38	0.06	1.24	7.90								
8510	2.07	1.39	2.27	0.64	0.38	0.06	1.30	8.11								
8520	19.11	11.37	10.26	3.49	5.58	0.84	13.28	63.93	22.94	11.57	13.25	4.51	9.31	1.40	18.59	81.57
8525	26.52	15.99	14.82	5.04	9.61	1.44	18.46	91.88	31.82	16.26	19.14	6.51	16.03	2.40	25.84	118.00
8530	35.95	22.25	19.84	6.74	12.85	1.93	25.13	124.69	43.14	22.63	25.62	8.71	21.43	3.21	35.19	159.93
8535	16.94	10.15	10.26	3.49	5.58	0.84	11.78	59.04	20.33	10.33	13.25	4.51	9.31	1.40	16.49	75.62
8540	24.68	15.25	14.82	5.04	12.12	1.82	17.25	90.98	29.62	15.51	19.14	6.51	20.21	3.03	24.15	118.17
8550	12.38	7.45	5.36	1.82	3.49	0.52	8.62	39.64	14.86	7.58	6.92	2.35	5.61	0.84	12.06	50.22
8555	15.07	8.98	5.81	1.98	3.66	0.55	10.47	46.52	18.08	9.13	7.51	2.55	5.88	0.88	14.66	58.69
8560	15.14	9.37	5.81	1.98	6.17	0.93	10.58	49.98	18.16	9.54	7.51	2.55	9.92	1.49	14.82	63.99
8565	25.54	15.68	10.26	3.49	9.47	1.42	17.83	83.69	30.65	15.95	13.25	4.51	15.22	2.28	24.97	106.83
8575	12.44	7.44	4.88	1.66	2.82	0.42	8.65	38.31	14.93	7.56	6.30	2.14	4.70	0.70	12.11	48.44
8580	20.07	11.84	10.26	3.49	5.05	0.76	13.92	65.39	24.08	12.05	13.25	4.51	8.42	1.26	19.49	83.06
8585	25.83	15.60	13.86	4.71	9.61	1.44	17.99	89.04	30.99	15.87	17.91	6.09	16.03	2.40	25.18	114.47

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CPC	FUEL	FOG	TIRE WEAK	TIRE RPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
8590	33.84	20.85	14.73	5.01	11.53	1.73	23.64	111.33	40.61	21.21	19.02	6.47	19.22	2.88	33.10	142.51
8595	34.55	21.46	17.21	5.85	12.85	1.93	24.17	118.02	41.46	21.83	22.23	7.56	21.43	3.21	33.84	151.56
8605	25.58	15.13	13.22	4.50	7.74	1.16	17.75	85.08	30.69	15.39	17.08	5.81	13.27	1.99	24.85	109.08
8615	11.02	6.56	4.90	1.67	3.27	0.49	7.66	35.57	13.23	6.68	6.33	2.15	5.45	0.82	10.72	45.38
8620	15.92	9.49	7.32	2.49	4.81	0.72	11.06	51.81	19.11	9.65	9.45	3.21	8.03	1.20	15.49	66.14
8625	19.08	11.76	11.24	3.82	9.15	1.37	13.33	69.75	22.90	11.97	14.52	4.94	15.26	2.29	18.67	90.55
8630	25.81	15.88	14.23	4.84	12.12	1.82	18.03	92.73	30.97	16.16	18.38	6.25	20.21	3.03	25.24	120.24
8635	36.15	22.36	19.15	6.51	12.85	1.93	25.27	124.22	43.38	22.75	24.74	8.41	21.43	3.21	35.38	159.30
8645	19.79	11.75	9.58	3.26	5.58	0.84	13.74	64.54	23.75	11.96	12.37	4.21	9.31	1.40	19.24	82.24
8650	27.20	16.37	13.13	4.47	9.61	1.44	18.93	91.15	32.64	16.66	16.96	5.77	16.03	2.40	26.50	116.96
8655	29.04	17.69	14.64	4.98	12.12	1.82	20.25	100.54	34.85	18.00	18.91	6.43	20.21	3.03	28.35	129.78
8660	32.35	19.89	15.48	5.26	10.74	1.61	22.59	107.92	38.82	20.23	20.00	6.80	17.91	2.69	31.63	138.08
8665	35.71	22.11	18.65	6.34	12.85	1.93	24.97	122.56	42.85	22.49	24.09	8.19	21.43	3.21	34.96	157.22
8675	7.59	5.62	5.41	1.73	1.91	0.29	6.07	28.62	9.11	5.70	7.12	2.28	2.57	0.39	7.90	35.07
8680	13.03	9.88	11.91	3.81	4.34	0.65	10.49	54.11	15.63	10.02	15.67	5.02	5.84	0.88	13.64	66.70
8685	17.79	13.62	16.24	5.20	6.45	0.97	14.37	74.64	21.35	13.81	21.37	6.84	8.69	1.30	18.68	92.04
8690	18.30	13.96	16.24	5.20	6.45	0.97	14.77	75.89	21.96	14.16	21.37	6.84	8.69	1.30	19.19	93.51
8695	20.36	15.70	19.85	6.35	7.93	1.19	16.48	87.86	24.44	15.92	26.12	8.36	10.68	1.60	21.43	108.55
8700	21.58	16.53	19.85	6.35	7.93	1.19	17.43	90.86	25.89	16.77	26.12	8.36	10.68	1.60	22.66	112.08
8710	12.90	9.79	11.91	3.81	4.34	0.65	10.39	53.79	15.48	9.93	15.67	5.02	5.84	0.88	13.51	66.33
8715	17.67	13.53	16.24	5.20	6.45	0.97	14.27	74.33	21.21	13.72	21.37	6.84	8.69	1.30	18.56	91.69
8720	17.92	13.70	16.24	5.20	6.45	0.97	14.47	74.95	21.51	13.90	21.37	6.84	8.69	1.30	18.81	92.42
8725	21.80	16.69	19.85	6.35	7.93	1.19	17.61	91.42	26.16	16.92	26.12	8.36	10.68	1.60	22.89	112.73
8730	22.17	16.94	19.85	6.35	7.93	1.19	17.89	92.32	26.60	17.18	26.12	8.36	10.68	1.60	23.26	113.80
8740	15.99	9.76	11.91	3.81	5.83	0.87	11.15	59.32	19.19	9.93	15.67	5.02	9.76	1.46	15.61	76.64
8745	24.21	14.95	16.24	5.20	9.25	1.39	16.92	88.16	29.05	15.21	21.37	6.84	15.01	2.25	23.69	113.42
8750	37.65	23.85	23.46	7.51	20.50	3.08	26.43	142.48	45.18	24.26	30.87	9.88	34.47	5.17	37.00	186.83
8760	14.41	8.90	10.00	3.20	5.86	0.88	10.07	53.32	17.29	9.06	13.16	4.21	9.68	1.45	14.10	68.95
8765	25.70	15.16	15.27	4.89	4.00	0.60	17.83	83.45	30.84	15.43	20.09	6.43	6.57	0.99	24.96	105.31
8775	16.83	10.26	11.91	3.81	6.00	0.90	11.74	61.45	20.19	10.44	15.67	5.02	10.02	1.50	16.43	79.27
8780	24.05	14.59	16.24	5.20	8.05	1.21	16.76	86.10	28.86	14.84	21.37	6.84	13.49	2.02	23.46	110.88
8790	4.35	1.46	4.84	1.36	0.04	0.01	5.89	17.95								
8795	6.59	2.22	8.51	2.38	0.04	0.01	8.94	28.69								
8805	0.99	0.62	0.00	0.01	0.00	0.00	0.61	2.23								
8810	1.16	0.72	0.00	0.01	0.00	0.00	0.71	2.60								
8815	1.35	0.84	0.00	0.01	0.00	0.00	0.83	3.03								
8825	1.74	1.13	0.60	0.15	0.17	0.03	1.08	4.90								
8830	1.97	1.27	0.60	0.15	0.17	0.03	1.22	5.41								
8835	2.20	1.41	0.60	0.15	0.17	0.03	1.36	5.92								
8845	0.22	0.10	0.84	0.25	0.00	0.00	0.11	1.52								
8850	0.26	0.12	1.05	0.31	0.00	0.00	0.14	1.88								
8860	0.52	0.22	3.60	0.86	0.03	0.00	0.52	5.75								
8865	0.55	0.23	3.60	0.86	0.02	0.00	0.55	5.81								
8870	0.60	0.25	6.00	1.44	0.02	0.00	0.60	8.91								
8875	0.77	0.32	6.37	1.53	0.02	0.00	0.77	9.78								
8885	0.72	0.30	1.21	0.29	0.02	0.00	0.72	3.26								
8890	0.77	0.32	1.70	0.41	0.02	0.00	0.77	3.99								
8895	0.85	0.36	1.70	0.41	0.05	0.01	0.85	4.23								
8900	0.92	0.39	2.86	0.69	0.05	0.01	0.92	5.84								
8910	0.22	0.11	0.42	0.13	0.00	0.00	0.12	1.00								
8915	0.23	0.11	0.84	0.25	0.00	0.00	0.12	1.55								
8925	0.10	0.05	0.80	0.24	0.00	0.00	0.05	1.24								
8930	0.13	0.06	1.01	0.30	0.00	0.00	0.07	1.57								
8935	0.35	0.17	1.26	0.38	0.00	0.00	0.19	2.35								
8940	0.62	0.29	1.76	0.53	0.00	0.00	0.33	3.53								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8950	0.05	0.02	0.80	0.24	0.00	0.00	0.02	1.13								
8955	0.15	0.07	1.01	0.30	0.00	0.00	0.08	1.61								

APPENDIX A

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REFERENCES (Cont'd)

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20. Production and Cost Estimating of Material Movement with Earthmoving Equipment, General Motors Corp., Terex Division, Hudson, Ohio, 1975.

APPENDIX B

AREA FACTORS

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

Sales or Import Tax Rate:	4.50 %
Working Hours Per Year:	1,550 Hrs/Yr
Labor Adjustment Factor (LAF):	0.940
Electricity Cost Per Kilowatt-Hour:	\$ 0.070 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.140 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 0.950 /Gal.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.170 /Gal.
Freight Rates:	
0 thru 30,000 lbs.	\$ 5.050 /Cwt.
over 30,000 thru 40,000 lbs.	\$ 3.950 /Cwt.
over 40,000 thru 50,000 lbs.	\$ 3.400 /Cwt.
over 50,000 thru 80,000 lbs.	\$ 2.700 /Cwt.
over 80,000 thru 9999,900 lbs.	\$ 2.400 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

<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
LPE - EQUIP LIFE (1000 HRS)
SLV - EQUIP SALVAGE (%)
HP - HORSEPOWER FACTOR (%)
FOG-E - ELECTRIC FOG (%)
FOG-G - GAS FOG (%)

TABLE LEGEND

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
600	OVER 5 CY	A	14	15	60 .000	.061	.035		0 .000	.000	.000		0	24	24	0	0	0	110
600		S	12	15	78 .000	.079	.046		0 .000	.000	.000		0	24	24	0	0	0	120
601	OVER 2-1/2 CY ELECTRIC	A	18	20	50 .500	.000	.000		0 .000	.000	.000		25	0	0	0	0	0	70
601		S	16	20	65 .650	.000	.000		0 .000	.000	.000		25	0	0	0	0	0	80
TRACTOR, CRAWLER TYPE																			
615	0 THRU 225 HP	A	10	25	70 .000	.000	.041		0 .000	.000	.000		0	0	36	0	0	0	110
615		S	8	25	91 .000	.000	.054		0 .000	.000	.000		0	0	36	0	0	0	120
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	A	10	15	70 .000	.000	.041		0 .000	.000	.000		0	0	28	0	0	0	90
620		S	8	15	91 .000	.000	.054		0 .000	.000	.000		0	0	28	0	0	0	100
625	OVER 425 HP	A	12	15	70 .000	.000	.041		0 .000	.000	.000		0	0	24	0	0	0	90
625		S	10	15	91 .000	.000	.054		0 .000	.000	.000		0	0	24	0	0	0	100
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	A	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
630		S	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	90
645	TRACTOR, WHEEL TYPE	A	10	20	65 .000	.066	.038		0 .000	.000	.000		0	24	28	73	44	0	60
645		S	8	20	85 .000	.086	.050		0 .000	.000	.000		0	24	28	38	21	0	65
650	TRENCHER	A	10	20	65 .000	.066	.038		0 .000	.000	.000		0	28	28	91	68	0	90
650		S	8	20	85 .000	.086	.050		0 .000	.000	.000		0	28	28	77	48	0	100
655	TRAILERS, BOTTOM DUMP AND END DUMP	A	10	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	65	60
655		S	8	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	54	70
660	TRAILERS, FLATBED, LO-BOY AND TILT	A	10	30	0 .000	.000	.000		0 .000	.000	.000		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	70
670		S	6	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
675	ALL OTHER ACCESSORIES	A	8	20	65 .000	.066	.000		0 .000	.000	.000		0	32	32	0	0	0	70
TRUCK, HIGHWAY																			
690	0 THRU 10,000 GVW	A	6	25	15 .000	.015	.009		0 .000	.000	.000		0	28	24	41	29	0	70
690		S	5	25	20 .000	.020	.012		0 .000	.000	.000		0	28	24	36	22	0	80
695	OVER 10,000 THRU 30,000 GVW	A	8	25	35 .000	.035	.020		0 .000	.000	.000		0	30	26	49	39	0	60
695		S	6	25	46 .000	.045	.026		0 .000	.000	.000		0	30	26	42	30	0	70
705	OVER 30,000 GVW	A	8	20	50 .000	.052	.030		0 .000	.000	.000		0	32	28	51	38	57	60
705		S	6	20	65 .000	.067	.039		0 .000	.000	.000		0	32	28	43	29	48	70
720	TRUCK, OFF-HIGHWAY	A	12	15	40 .000	.000	.024		0 .000	.000	.000		0	0	34	59	36	65	60
720		S	10	15	52 .000	.000	.031		0 .000	.000	.000		0	0	34	39	21	43	70
765	WAGON, BOTTOM & REAR DUMP	A	12	15	65 .000	.066	.038		0 .000	.000	.000		0	24	32	59	39	65	60
765		S	10	15	85 .000	.086	.050		0 .000	.000	.000		0	24	32	39	22	43	70
780	WAGON, WATER	A	12	25	65 .000	.066	.038		0 .000	.000	.000		0	24	32	73	55	81	60
780		S	10	25	85 .000	.086	.050		0 .000	.000	.000		0	24	32	56	40	62	65

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

1967 = 1000

CATEGORY	YEAR PURCHASE NEW												1967 = 1000													
					AGE IN YEARS																					
	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	
Air Equipment	1772	1688	1695	1668	1563	1630	1521	1354	1295	1186	1165	1028	935	1000	950	900	850	800	750	700	650	600	550	500	450	400
Asphalt & Concrete Paving Equipment	2662	2610	2583	2620	2461	2296	2111	1941	1815	1686	1610	1451	1304	1000	900	800	700	600	500	400	300	200	100	0	0	0
Buckets	4598	4508	4471	4541	4313	3879	3280	2963	2738	2520	2175	1838	1430	1000	900	800	700	600	500	400	300	200	100	0	0	0
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3437	3370	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1000	900	800	700	600	500	400	300	200	100	0	0	0
Drills	2857	2801	2836	2810	2602	2265	1993	1858	1699	1638	1559	1373	1249	1000	900	800	700	600	500	400	300	200	100	0	0	0
Generators	3468	3400	3314	3236	3160	2817	2390	2301	2128	2053	1839	1456	1316	1000	900	800	700	600	500	400	300	200	100	0	0	0
Graders, Motor	3802	3727	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1000	900	800	700	600	500	400	300	200	100	0	0	0
Loaders, Track	3867	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1000	900	800	700	600	500	400	300	200	100	0	0	0
Loaders, Wheel	4061	3981	3873	3788	3441	2938	2606	2375	2156	2002	1907	1584	1362	1000	900	800	700	600	500	400	300	200	100	0	0	0
Pile Driving Equipment	3651	3579	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1000	900	800	700	600	500	400	300	200	100	0	0	0
Rollers	4002	3924	3744	3431	3199	2913	2653	2396	2139	1983	1872	1556	1328	1000	900	800	700	600	500	400	300	200	100	0	0	0
Scrapers and Soil Stabilizers	3802	3727	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1000	900	800	700	600	500	400	300	200	100	0	0	0
Shovels, Backhoes & Hydraulic Excavators	3437	3370	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1000	900	800	700	600	500	400	300	200	100	0	0	0
Tractors, Crawler & Attachments	3867	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1000	900	800	700	600	500	400	300	200	100	0	0	0
Tractors, Wheel	3729	3656	3557	3530	3256	2927	2578	2319	2125	1956	1813	1498	1288	1000	900	800	700	600	500	400	300	200	100	0	0	0
Trenchers	4520	4431	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527	1384	1000	900	800	700	600	500	400	300	200	100	0	0	0
Trucks, Highway	3128	3067	2934	2824	2638	2324	2108	1934	1775	1646	1524	1369	1230	1000	900	800	700	600	500	400	300	200	100	0	0	0
Trucks & Wagons - Off Highway	3862	3786	3744	3662	3363	2964	2588	2364	2196	2081	1965	1568	1315	1000	900	800	700	600	500	400	300	200	100	0	0	0
All Other Equipment	3651	3579	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1000	900	800	700	600	500	400	300	200	100	0	0	0
All Tires & Tubes	2487	2438	2453	2552	2506	2369	2055	1792	1699	1615	1485	1334	1114	1000	900	800	700	600	500	400	300	200	100	0	0	0

APPENDIX F

TIRE LIFE AND TIRE WEAR FACTORS

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

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

FINAL TIRE WEAR FACTORS

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

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

TABLE F-1. Maximum Tire Life.

Bias Ply Tires:

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

Radial Ply Tires:

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

APPENDIX G

EQUIPMENT EXTRAS

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

(1) Crane, Crawler-Mounted.

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

(2) Draqline and Clamshell, Crawler-Mounted.

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

(3) Backhoe and Shovel, Crawler-Mounted.

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

(4) Truck Crane Less than 25 Ton.

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

(5) Truck Crane 25 Ton and Larger.

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

(6) Excavators, Hydraulic.

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

(7) Grader.

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

(8) Belt Loader.

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

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

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

(10) Scraper.

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

(11) Tractor, Crawler.

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

(12) Tractor, Wheel Dozer.

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

(13) Trucks, Off-Highway.

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