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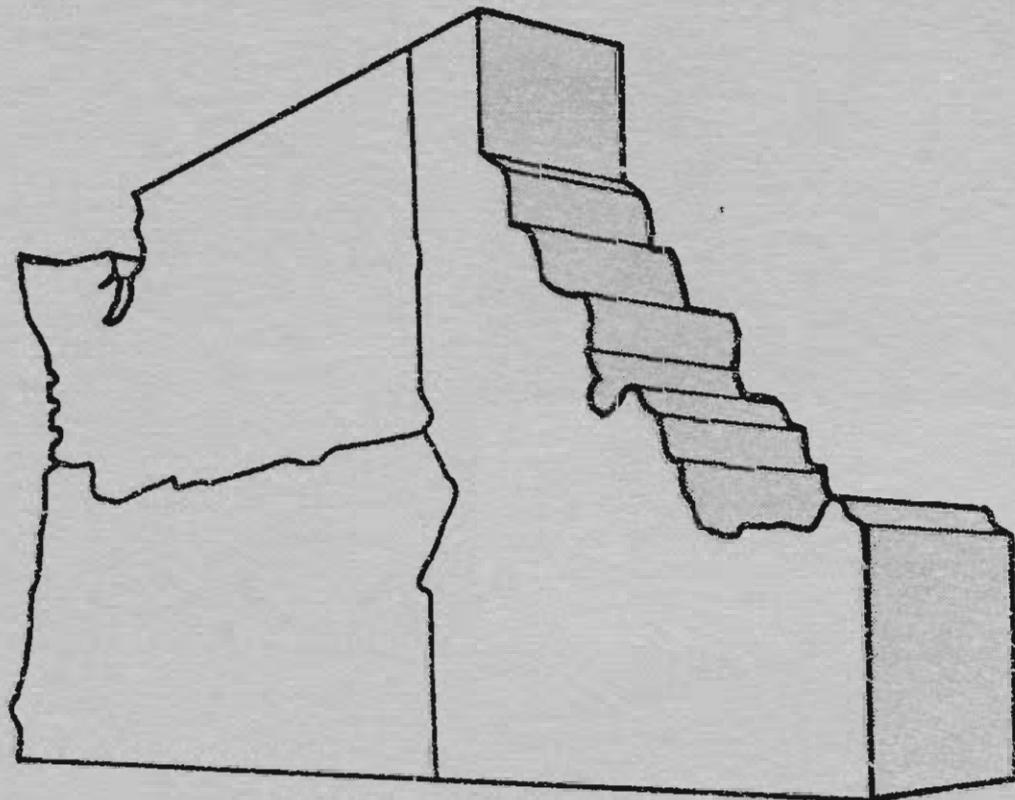
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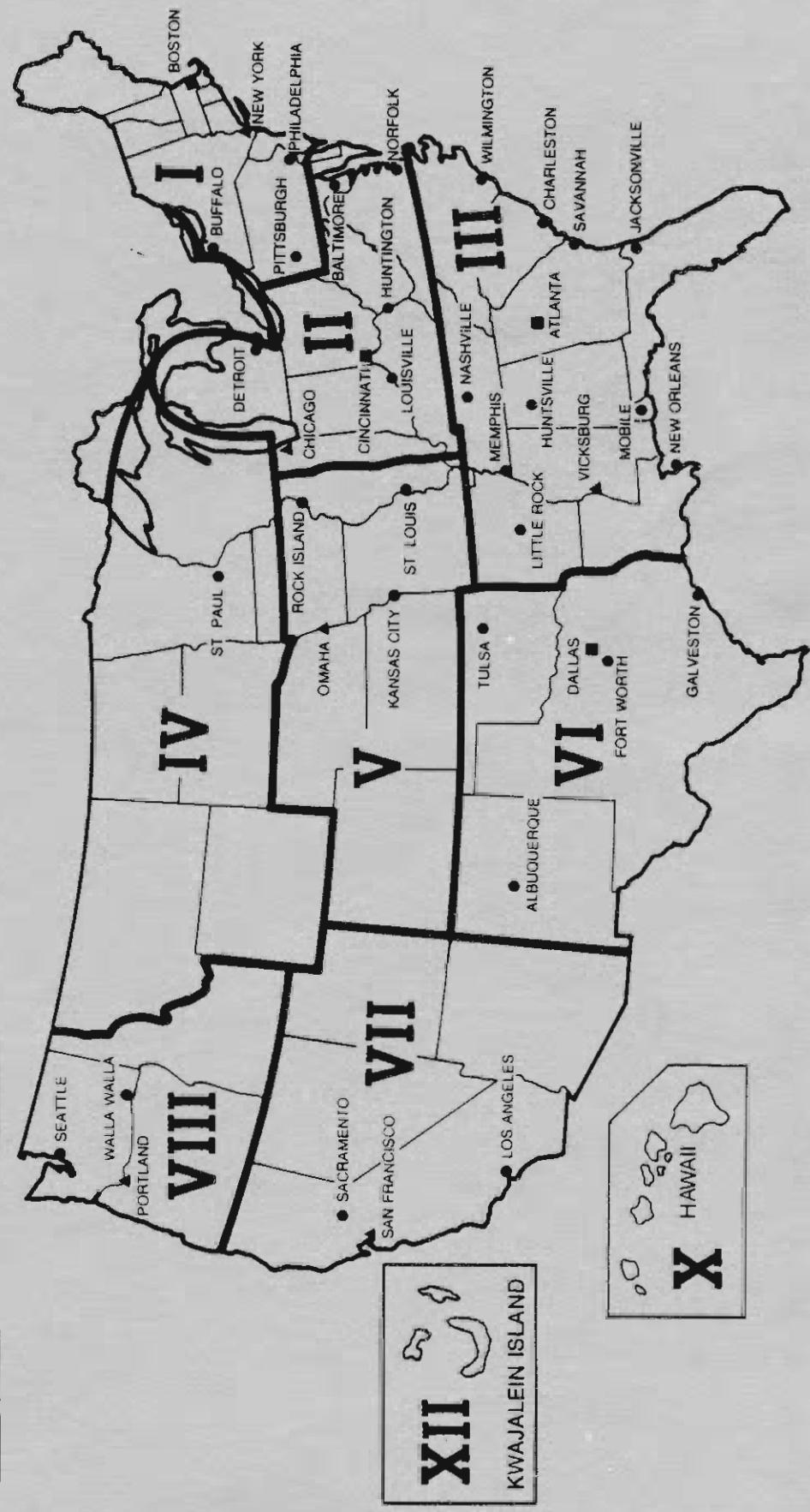
June 1986

Construction Equipment Ownership and Operating Expense Schedule

Region VIII



Regions for the Construction Equipment Ownership and Operating Expense Schedule



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

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Pamphlet
No. 1110-1-8

1 June 1986

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 VIII which includes the following states:

Idaho
Oregon
Washington

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 1984. 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:

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Washington, DC 20314-1000

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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 VIII, which includes the following states:

Idaho
Oregon
Washington

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 1984. 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 1984.

(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 (9.75%) 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 7.80% to avoid duplication when applying markups for overhead and profit.

$$CFC/\text{hr} = \frac{[(N-1)(1+S)+2]}{2N} \frac{(\text{Equipment Cost})}{(\text{Work Hrs per Year})} (7.80\%)$$

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:

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

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

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

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

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

(5) Hourly Tire Cost.

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

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

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

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

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

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

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

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

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>3265</u>	
(1) Equipment Description <u>P&H TRUCK Crane, 50 Ton</u>	
(2) Model and Series <u>650A-TC w/150' Boom</u>	
(3) Year Purchased <u>1984</u>	(4) Year Manufactured <u>1984</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 16pr</u> Drive- <u>14x20 16pr</u> Trailing- <u>—</u>	
b. Key Number from APPENDIX D <u>225</u>	
(1) Condition <u>Average</u>	
(2) Salvage Value % <u>15.20</u>	(3) Life <u>18,000 hrs</u>
(4) Equipment Fuel Factor <u>.033</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>\$ 416,441.00</u>
(1) Discount: (List Price) x *7.5% *(17.5% for Highway Trucks)	
$= (\$ 416,441) \times .075$	$= (-) \$ 30,218.10$
(2) Freight: (Shipping Weight) x (Prep. and Del. Rate) From 1-a-(8) From APPENDIX B	
$= (1222 \text{cwt}) \times (\$ 6.25)$	$= (+) \$ 8,370.10$
b. Subtotal: Summation of Part a. (Use actual cost when available)	<u>$= \\$ 378,462.60$</u>
(1) State Sales Tax: (Subtotal) x (Tax Rate) From 2-b	
$= (\$ 378,461) \times (.140)$	$= (+) \$ 52,984.42$
c. Equipment Cost: Summation of Part b. (Use actual cost when available)	<u>$= \\$ 431,211.02$</u>

Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

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

$$= (\underline{18,000} \text{ Hrs}) + (\underline{1,600} \text{ Hrs/Yr}) = \underline{11.25} \text{ yrs.}$$

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

$$= (\underline{3463}) + (\underline{3339}) = \underline{1.037} \text{ (EAF)}$$

5. SALVAGE VALUE FACTOR (S)

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

$$= (\underline{.15}) \times (\underline{1.037}) = \underline{.156} (S)$$

6. OWNERSHIP COSTS

a. Depreciation:

Equipment Life
[(Cost From) x [1.0 - (S From)] - (Tire Cost)] + (From)
2-c 5 Yrs. of Mfg. 1-b-(3)

$$= [(\underline{\$403,999}) \times (1.0 - (.156)) - (\underline{\$9326})] + (\underline{18000} \text{ Hr}) = \$ \underline{18.42}/\text{Hr.}$$

b. Cost of Facilities Capital (CPC):

Life Life
(1) [(From) - 1.0] x [(S From) + 1.0] + 2.0] + [(From) x 2.0]
3 3

$$= [(11.25 \text{ Yrs}) - 1.0] \times [(.156) + 1.0] + 2.0] + [(11.25 \text{ Yrs}) \times 2.0] = \underline{.616}$$

Equipment Average CPC Factor Hrs Use/
(2) (Cost From) x (Value Factor) x (From Para.) + (Yr From)
2-c From 6-b-(1) 2-2.c.(2) APP. B

$$= [(\underline{\$403,999}) \times (.616) \times (.078) + (\underline{1,600} \text{ Hrs/Yr})] = \$ \underline{12.13}/\text{Hr.}$$

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) = \$ 30.55 /Hr.

Figure 2-1. (Continued)

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

7. OPERATING COSTS

a. Fuel Costs:

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

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

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

$$= (.006) \times (236 \text{ HP}) \times (\$ 1.19 \text{ /Gal}) = \$ 1.67 \text{ /Hr.}$$

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) = \\$ 6.51 /Hr.

b. FOG Costs:

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

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

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

$$= (.26) \times (\$ 1.67 \text{ /Hr}) = \$.44 \text{ /Hr.}$$

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) = \\$ 1.69 /Hr.

c. Repairs Cost:

(1) Repair Factor:

(Repairs Cost Factor) x (EAP) x (LAP From)
 From 1-b-(8) From 4 APP. B

$$= (.60) \times (1.037) \times (.99) = .$$

(2) Hourly Repairs:

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

$$= [(\$ 403,997) - (\$ 9326)] \times (.616) + (18000 \text{ Hr}) = \$ 2.51 \text{ /Hr.}$$

Figure 2-1. (Continued)

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

d. Tire Wear Costs (Current Price Levels):

$$(1) \text{Front Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Ftr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad \text{Front} \quad \text{F-Tire} \quad \text{Max Tire} \\ 1-b-(7) \quad \text{Tbl F-1}$$
$$= 1.5 \times (\underline{\underline{3084}}) + [1.8 \times (\underline{\underline{97}}) \times (\underline{\underline{5000}} \text{ Hr})] = \$ \underline{\underline{0.53}} / \text{Hr.}$$

$$(2) \text{Drive Tires: } 1.5 \times (\text{Tires}) + [1.8 \times (\text{Ftr Frm}) \times (\text{Life Frm})] \\ \text{Cost} \quad \text{Drive} \quad \text{D-Tire} \quad \text{Max Tire} \\ 1-b-(7) \quad \text{Tbl F-1}$$
$$= 1.5 \times (\underline{\underline{6168}}) + [1.8 \times (\underline{\underline{78}}) \times (\underline{\underline{5000}} \text{ Hr})] = \$ \underline{\underline{1.32}} / \text{Hr.}$$

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

$$(4) \text{Total Tire Wear Cost: } (\text{Sum 7-d-(1) thru (3)}) = \$ \underline{\underline{1.85}} / \text{Hr.}$$

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

$$= (\underline{\underline{1.85}}) \times 0.15 = \$ \underline{\underline{0.28}} / \text{Hr.}$$

f. Total Operating Costs: (Sum 7-a thru 7-e) = \\$ 23.84 / Hr.

g. TOTAL HOURLY RATES

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

$$= (\underline{\underline{30.55}} / \text{Hr}) + (\underline{\underline{23.84}} / \text{Hr}) = \$ \underline{\underline{54.39}} / \text{Hr.}$$

b. Hourly Rate for Other Work Shifts:

$$(\text{Depreciation}) + [(\text{CPC Frm}) \times 40 + (\text{Work Hrs})] + (\text{Operating Costs}) \\ \text{From 6-a} \quad \text{6-b-(2)} \quad \text{Per Week} \quad \text{Frm 7-f}$$
$$= (\underline{\underline{18.42}} / \text{Hr}) + [(\underline{\underline{12.13}} / \text{Hr}) \times 40 + (\underline{\underline{60}} \text{ Hr/Wk})] + (\underline{\underline{23.84}} / \text{Hr}) = \$ \underline{\underline{50.35}} / \text{Hr.}$$

c. Hourly Standby Rate:

$$(\text{Depreciation}) \times 0.25 + (\text{CPC Frm}) \\ \text{From 6-a} \quad \text{6-b-(2)}$$
$$= (\underline{\underline{18.42}} / \text{Hr}) \times 0.25 + (\underline{\underline{12.13}} / \text{Hr}) = \$ \underline{\underline{16.74}} / \text{Hr.}$$

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.

$$CFC = \frac{[(N-1)(1+S) + 2]}{2N} (7.80\%)$$

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

TYPE OF EQUIPMENT	LIFE (YRS)	SALVAGE VALUE FACTOR	PERCENT ANNUAL OWNERSHIP EXPENSE		
			DEPRE- CIATION	CFC	TOTAL
Hydraulic dredge, including hydraulic dredges used as Boosters:					
10-inch thru 14-inch	20	.05	4.75	4.28	9.03
16-inch thru 20-inch	25	.10	3.60	4.43	8.03
24-inch and over	30	.10	3.00	4.41	7.41
Booster & Barge:					
10-inch thru 14-inch	20	.05	4.75	4.28	9.03
16-inch thru 20-inch	25	.10	3.60	4.43	8.03
24-inch and over	30	.10	3.00	4.41	7.41
Dredge, Hopper	25	.10	3.60	4.43	8.03
Dredge, Hopper, split hull	20	.10	4.50	4.47	8.97
Dredge, clamshell/ dragline	20	.05	4.75	4.28	9.03
Dredge, Dipper/Hyd Excav	25	.05	3.80	4.24	8.04
Bucket Dredge	30	.10	3.00	4.41	7.41
Dump Scows	20	.05	4.75	4.28	9.03
Barges:					
Fuel	20	.05	4.75	4.28	9.03
Water	20	.05	4.75	4.28	9.03
Equipment or Work	20	.05	4.75	4.28	9.03
Derrick	20	.10	4.50	4.47	8.97
Anchor	20	.05	4.75	4.28	9.03
Drill Boat or Barge	20	.10	4.50	4.47	8.97
Mooring Barge	20	.05	4.75	4.28	9.03
Tugs	20	.10	4.50	4.47	8.97
Tenders	20	.10	4.50	4.47	8.97
Launches	12	.05	7.92	4.40	12.32
Shore Pipeline (Average)	3	0	33.33	5.20	38.53
Floating Line:					
Pontoons	15	0	6.67	4.16	10.83
Pipeline/Joints (Avg)	10	0	10.00	4.29	14.29

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 3185 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).

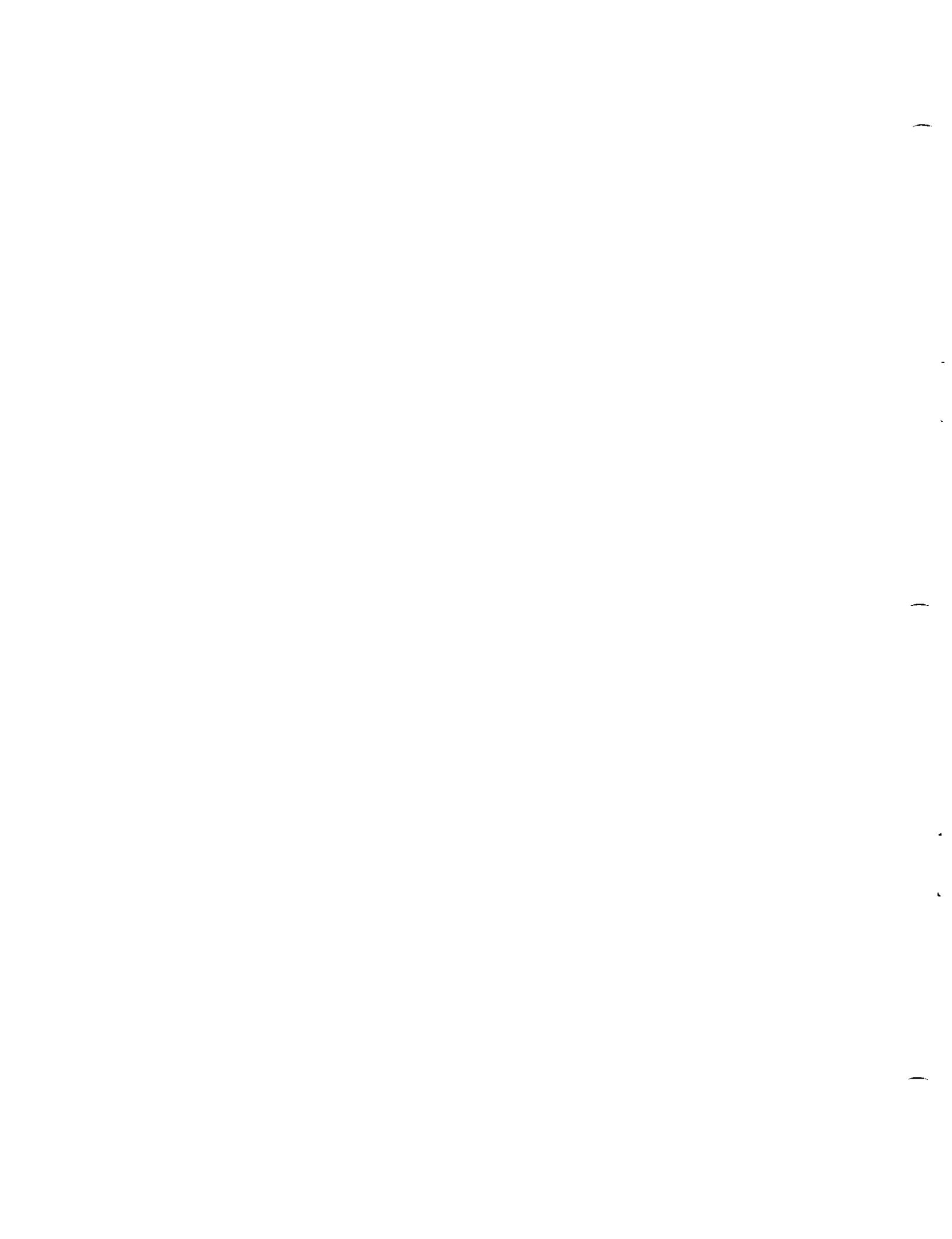


TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

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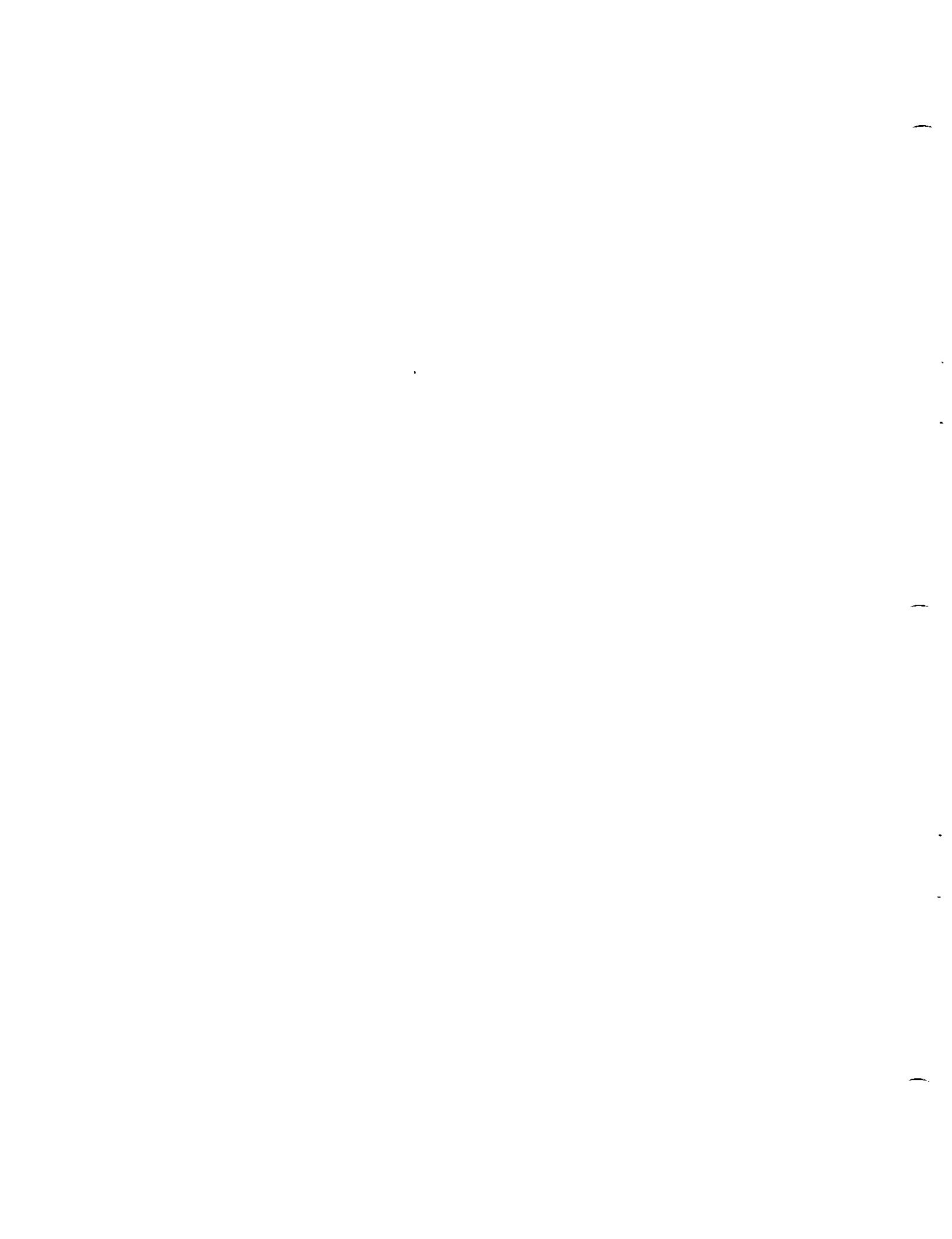


TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE (CONTINUED)

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	
					AVERAGE	COND.	OWNER-SHIP	FUEL	
	AGGREGATE SPREADER *****								
	EINYRE - SELF-PROPELLED								
1015	SPREAD TO 8" DEPTH & 10' WIDE	184 HP G	57,547	24.32		2.99	6.30	10.98	155
1020	SPREAD TO 8" DEPTH & 13' WIDE	140 HP D	64,214	16.83		3.33	7.04	3.95	160
	AIR COMPRESSORS, PORTABLE ***** (HOSE NOT INCLUDED)								
	ROTARY SCREW								
1035	SIZE 100 CFM QUIET 100 PSI	50 HP G	11,198	7.07		0.58	1.14	3.86	20
1040	SIZE 100 CFM QUIET 100 PSI	33 HP D	13,452	3.88		0.70	1.37	1.18	26
1045	SIZE 125 CFM QUIET 100 PSI	70 HP G	13,699	9.56		0.71	1.40	5.41	24
1050	SIZE 125 CFM QUIET 100 PSI	51 HP D	14,576	4.90		0.76	1.49	1.82	26
1055	SIZE 175 CFM QUIET 100 PSI	70 HP G	14,950	9.78		0.77	1.53	5.41	26
1060	SIZE 175 CFM QUIET 100 PSI	54 HP D	16,949	5.46		0.88	1.73	1.93	28
1065	SIZE 185 CFM QUIET 100 PSI	70 HP G	15,437	9.86		0.80	1.58	5.41	27
1070	SIZE 185 CFM QUIET 100 PSI	69 HP D	18,184	6.36		0.94	1.86	2.46	29
1075	SIZE 250 CFM QUIET 100 PSI	88 HP D	27,207	8.83		1.41	2.79	3.14	55
1080	SIZE 375 CFM QUIET 100 PSI	122 HP D	33,830	11.59		1.74	3.41	4.36	79
1085	SIZE 450 CFM QUIET 100 PSI	152 HP D	43,717	14.70		2.25	4.42	5.43	89
1090	SIZE 600 CFM QUIET 100 PSI	188 HP D	52,401	17.88		2.69	5.30	6.72	97
1095	SIZE 750 CFM QUIET 100 PSI	228 HP D	60,914	21.21		3.14	6.18	8.14	128
1100	SIZE 825 CFM QUIET 100 PSI	260 HP D	69,162	24.14		3.57	7.03	9.29	130
1105	SIZE 900 CFM QUIET 100 PSI	270 HP D	75,835	25.77		3.91	7.72	9.64	148
1110	SIZE 1000 CFM QUIET 100 PSI	294 HP D	84,971	28.48		4.39	8.66	10.50	186
1115	SIZE 1200 CFM QUIET 100 PSI	400 HP D	101,383	36.22		5.24	10.35	14.29	196
1120	SIZE 1600 CFM QUIET 100 PSI	456 HP D	114,569	41.12		5.92	11.69	16.29	216

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			GWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
AIR EQUIPMENT ***** (HOSE NOT INCLUDED)													
CLEMCO - SANDBLASTERS													
1135	SOW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,509	1.01		0.14	0.36	0.00		3				
1140	SOW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,744	1.78		0.24	0.64	0.00		5				
1145	SOWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,772	1.80		0.24	0.65	0.00		6				
1150	SOWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	3,050	2.04		0.26	0.71	0.00		7				
1155	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,119	2.71		0.35	0.96	0.00		9				
1160	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	11,996	7.68		1.02	2.74	0.00		28				
1165	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	14,844	9.38		1.23	3.28	0.00		45				
1170	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	18,088	11.52		1.51	4.04	0.00		53				
GARDNER DENVER - TOOLS													
1180	SPADER SP27E	32CFM A	908	0.63		0.08	0.21	0.00	1				
1185	SINKER DRILL S58	98CFM A	1,980	1.35		0.17	0.46	0.00	1				
1190	PAVING BREAKER B37	41CFM A	932	0.64		0.08	0.21	0.00	1				
1195	PAVING BREAKER B67C	46CFM A	998	0.69		0.09	0.24	0.00	1				
1200	PAVING BREAKER B87C	50CFM A	1,085	0.74		0.09	0.25	0.00	1				
1205	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,632	2.42		0.32	0.86	0.00	1				
MASTER - CONCRETE VIBRATORS													
1215	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	1,954	1.88		0.17	0.45	0.00	1				
1220	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,260	1.26		0.11	0.30	0.00	1				
1225	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,132	1.10		0.10	0.26	0.00	1				
1230	CONCRETE VIBR. MOD A-30010 3"	64CFM A	1,022	0.99		0.09	0.24	0.00	1				
1235	CONCRETE VIBR. MOD A-25010 2.5"	40CFM A	803	0.78		0.07	0.19	0.00	1				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				GWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	
ASPHALT DISTRIBUTOR - ROSCO ***** (NO CHASSIS)									
1245	MOD RES 1000 GAL. TRUCK MOUNTED 18,000 TO 24,000 GW REQUIRED	45 HP G	31,517	10.90		1.65	3.51	3.47	72
1250	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GW REQUIRED	45 HP G	32,289	11.05		1.69	3.59	3.47	75
1255	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GW REQUIRED	45 HP G	34,608	11.53		1.81	3.86	3.47	87
1260	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GW REQUIRED	45 HP G	38,944	12.39		2.04	4.34	3.47	109
ASPHALT FINISHERS ***** SPW=STANDARD PAVING WIDTH									
BARBER-GREENE									
1270	MOD SB111 8' SPW (PNEUMATIC)	70 HP D	90,798	22.00		4.71	9.95	2.50	165
1275	MOD SB131 10' SPW (PNEUMATIC) W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	95 HP D	150,064	35.46		7.76	16.36	3.39	258
1280	MOD SB140 10' SPW (PNEUMATIC) OPTIONS SAME AS MOD SB131	130 HP D	168,082	40.80		8.71	18.39	4.64	325
1285	MOD SA150 10' SPW (CRAWLER) OPTIONS SAME AS MOD SB131	130 HP D	198,626	46.82		10.39	22.13	4.64	375
BLAW-KNOX									
1295	MOD PF-22 5'-8' SPW (PNEUMATIC)	30 HP D	49,492	11.66		2.55	5.36	1.07	95
1300	MOD PF-35 6'-8' SPW (PNEUMATIC)	44 HP D	81,617	18.91		4.23	8.94	1.57	104
1305	MOD PF-115 8' SPW (PNEUMATIC)	56 HP D	109,393	25.24		5.67	11.97	2.00	180
1310	MOD PF-120H 10' SPW (PNEUMATIC)	95 HP D	132,489	31.85		6.84	14.41	3.39	240
1315	MOD PF-180H 10' SPW (PNEUMATIC)	92 HP D	157,428	36.92		8.13	17.11	3.29	277
1320	MOD PF-220 12' SPW (PNEUMATIC)	148 HP D	204,079	49.22		10.53	22.15	5.29	387
1325	MOD PF-400A 8' SPW (CRAWLER)	90 HP D	146,222	34.20		7.65	16.29	3.21	230
1330	MOD PF-500 10' SPW (CRAWLER)	125 HP D	175,665	41.86		9.19	19.57	4.46	291

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				GWT
			CONDITION	STAND BY	AVERAGE COND.	SEVERE COND.			
					OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
ASPHALT KETTLES - ROSCO *****									
1340	MOD KB 110 GAL. TRAILER MOUNTED	3,872	1.91		0.22	0.50	0.00		13
1345	MOD KD 225 GAL. TRAILER MOUNTED	4,507	2.16		0.26	0.58	0.00		16
ASPHALT RECYCLER - BOMAG *****									
1355	MOD AR-6 TRAILER MOUNTED	8 HP G	10,530	4.89		0.61	1.38	0.62	21
BROOMS - M-B *****									
1365	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER		6,773	1.47		0.35	0.72	0.00	24
1370	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	30 HP G	8,703	4.53		0.45	0.92	2.32	30
1375	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		3,279	0.80		0.17	0.35	0.00	10
1380	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		5,872	1.24		0.31	0.64	0.00	14
BRUSH CHIPPERS - FMC *****									
1390	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	12,073	13.11		0.63	1.35	8.07		41
1395	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	13,213	13.35		0.69	1.45	8.07		45
BUCKETS, CLAMSHELL *****									
ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1405	.75 C.Y.		10,529	1.98	2.54	0.55	1.22	0.00	1.45
1410	1.0 C.Y.		11,341	2.14	2.74	0.60	1.32	0.00	1.57
1415	1.5 C.Y.		16,441	3.10	3.96	0.87	1.91	0.00	2.26
1420	2.0 C.Y.		19,292	3.64	4.65	1.02	2.24	0.00	2.65
1425	2.5 C.Y.		24,883	4.68	5.99	1.31	2.88	0.00	3.42
1430	3.0 C.Y.		26,491	4.98	6.39	1.39	3.06	0.00	3.65
1435	3.5 C.Y.		28,828	5.43	6.95	1.52	3.34	0.00	3.97
									105

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

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

ESCO - MODEL GPS GEN PURPOSE & SQUARE NOSE (CONT'D)															
1440	4.0 C.Y.	31,949	6.01	7.71	1.68	3.70	0.00	4.40	0.00	115					
1445	4.5 C.Y.	34,727	6.54	8.37	1.82	4.02	0.00	4.78	0.00	126					
1450	5.0 C.Y.	37,067	6.99	8.95	1.95	4.30	0.00	5.11	0.00	140					
1455	5.5 C.Y.	41,009	7.72	9.88	2.16	4.75	0.00	5.64	0.00	152					
1460	6.0 C.Y.	42,694	8.03	10.30	2.24	4.94	0.00	5.88	0.00	160					
1465	6.5 C.Y.	43,988	8.28	10.61	2.31	5.09	0.00	6.06	0.00	169					
1470	7.0 C.Y.	46,290	8.71	11.17	2.44	5.36	0.00	6.38	0.00	177					
1475	7.5 C.Y.	48,151	9.07	11.62	2.54	5.58	0.00	6.64	0.00	184					
ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE															
1485	.75 C.Y.	10,031	1.90	2.42	0.53	1.17	0.00	1.38	0.00	33					
1490	1.0 C.Y.	13,965	2.63	3.37	0.74	1.62	0.00	1.92	0.00	46					
1495	1.5 C.Y.	20,517	3.87	4.94	1.08	2.38	0.00	2.82	0.00	70					
1500	2.0 C.Y.	22,258	4.19	5.37	1.17	2.58	0.00	3.07	0.00	78					
1505	2.5 C.Y.	27,991	5.27	6.75	1.47	3.24	0.00	3.85	0.00	98					
1510	3.0 C.Y.	30,824	5.80	7.44	1.62	3.57	0.00	4.25	0.00	109					
1515	3.5 C.Y.	35,398	6.65	8.53	1.86	4.09	0.00	4.87	0.00	120					
1520	4.0 C.Y.	38,228	7.19	9.23	2.01	4.42	0.00	5.27	0.00	131					
1525	4.5 C.Y.	41,212	7.77	9.93	2.17	4.78	0.00	5.67	0.00	141					
1530	5.0 C.Y.	44,244	8.32	10.67	2.32	5.12	0.00	6.09	0.00	155					
1535	5.5 C.Y.	46,833	8.81	11.30	2.46	5.42	0.00	6.45	0.00	164					
1540	6.0 C.Y.	49,295	9.28	11.89	2.59	5.71	0.00	6.79	0.00	174					
1545	6.5 C.Y.	52,063	9.80	12.56	2.74	6.03	0.00	7.17	0.00	185					
1550	7.0 C.Y.	54,392	10.24	13.12	2.86	6.30	0.00	7.49	0.00	193					
1555	7.5 C.Y.	56,680	10.67	13.67	2.98	6.56	0.00	7.80	0.00	201					

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

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

ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE														
1565	.75 C.Y.	15,862	2.99	3.82	0.84	1.84	0.00	2.18	0.00	50				
1570	1.0 C.Y.	16,226	3.06	3.91	0.85	1.88	0.00	2.23	0.00	55				
1575	1.5 C.Y.	23,452	4.42	5.66	1.24	2.72	0.00	3.23	0.00	81				
1580	2.0 C.Y.	28,893	5.44	6.97	1.52	3.35	0.00	3.98	0.00	99				
1585	2.5 C.Y.	32,561	6.14	7.85	1.72	3.78	0.00	4.48	0.00	115				
1590	3.0 C.Y.	35,526	6.69	8.57	1.87	4.12	0.00	4.89	0.00	127				
1595	3.5 C.Y.	38,388	7.23	9.26	2.02	4.45	0.00	5.29	0.00	141				
1600	4.0 C.Y.	40,881	7.70	9.86	2.15	4.74	0.00	5.63	0.00	150				
1605	4.5 C.Y.	42,657	8.03	10.29	2.24	4.94	0.00	5.88	0.00	160				
1610	5.0 C.Y.	46,378	8.73	11.19	2.44	5.37	0.00	6.39	0.00	173				
1615	5.5 C.Y.	49,329	9.28	11.89	2.59	5.71	0.00	6.79	0.00	185				
1620	6.0 C.Y.	52,038	9.80	12.55	2.74	6.03	0.00	7.16	0.00	195				
1625	6.5 C.Y.	55,025	10.36	13.27	2.89	6.37	0.00	7.58	0.00	208				
1630	7.0 C.Y.	57,237	10.78	13.80	3.01	6.63	0.00	7.88	0.00	218				
1635	7.5 C.Y.	60,148	11.32	14.50	3.16	6.96	0.00	8.28	0.00	229				
BUCKETS, CONCRETE - GAR-BRO														

GENERAL PURPOSE & MANUAL														
1645	433-G 1.0 C.Y.	1,591	0.30		0.08	0.18	0.00			6				
1650	442-G 1.5 C.Y.	1,993	0.36		0.10	0.22	0.00			8				
1655	462-G 2.0 C.Y.	2,584	0.47		0.13	0.28	0.00			11				
1660	493-G 3.0 C.Y.	3,678	0.58		0.19	0.41	0.00			19				
1665	4123-G 4.0 C.Y.	4,605	0.84		0.24	0.51	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													
BUCKETS, CONCRETE - GAR-BRO (CONT'D)																	

LOW SLUMP - AIR OPERATED GATE																	
1675	440-A 1.0 C.Y.	6,547	1.20		0.34	0.73	0.00		19								
1680	450-A 1.5 C.Y.	6,817	1.25		0.36	0.76	0.00		21								
1685	460-A 2.0 C.Y.	7,091	1.30		0.37	0.79	0.00		23								
1690	493-A 3.0 C.Y.	9,413	1.73		0.50	1.05	0.00		42								
1695	4139-A 4.0 C.Y.	9,867	1.81		0.52	1.10	0.00		52								
1700	4200-A 6.0 C.Y. DBL. COMPT.	14,224	2.62		0.74	1.59	0.00		72								
1705	4250-A 8.0 C.Y. DBL. COMPT.	16,964	3.12		0.89	1.89	0.00		80								
LAYDOWN - HEAVY DUTY - AIR GATE																	
1715	425-A 1.0 C.Y.	7,442	1.37		0.39	0.83	0.00		26								
1720	465-A 2.0 C.Y.	8,328	1.53		0.44	0.93	0.00		31								
1725	495-A 3.0 C.Y.	9,689	1.79		0.51	1.09	0.00		40								
1730	4125-A 4.0 C.Y.	10,824	1.99		0.57	1.21	0.00		49								
1735	4155-A 5.0 C.Y.	12,699	2.33		0.66	1.41	0.00		60								
BUCKETS, DRAGLINE																	

HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED																	
1750	.75 C.Y.	3,552	0.67	0.85	0.19	0.41	0.00	0.48	0.00								
1755	1.0 C.Y.	4,217	0.80	1.02	0.22	0.49	0.00	0.58	0.00								
1760	1.5 C.Y.	5,187	0.98	1.26	0.27	0.60	0.00	0.72	0.00								
1765	2.0 C.Y.	6,138	1.15	1.49	0.32	0.71	0.00	0.85	0.00								
1770	2.5 C.Y.	7,204	1.36	1.74	0.38	0.84	0.00	0.99	0.00								
1775	3.0 C.Y.	8,887	1.67	2.15	0.47	1.03	0.00	1.23	0.00								
1780	3.5 C.Y.	9,819	1.85	2.37	0.52	1.14	0.00	1.35	0.00								
1785	4.0 C.Y.	12,002	2.26	2.90	0.63	1.39	0.00	1.66	0.00								
1790	4.5 C.Y.	12,742	2.39	3.07	0.67	1.47	0.00	1.75	0.00								
1795	5.0 C.Y.	15,399	2.90	3.71	0.81	1.78	0.00	2.12	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)															
1800	6.0 C.Y.	16,671	3.14	4.03	0.87	1.93	0.00	2.30	0.00	90					
1805	7.0 C.Y.	18,251	3.43	4.40	0.96	2.11	0.00	2.51	0.00	101					
1810	8.0 C.Y.	20,233	3.82	4.87	1.07	2.35	0.00	2.78	0.00	112					
1815	9.0 C.Y.	23,357	4.40	5.63	1.23	2.71	0.00	3.21	0.00	128					
1820	10.0 C.Y.	25,383	4.78	6.13	1.34	2.94	0.00	3.50	0.00	139					
1825	12.0 C.Y.	31,157	5.87	7.51	1.64	3.61	0.00	4.29	0.00	166					
1830	14.0 C.Y.	35,825	6.75	8.65	1.89	4.15	0.00	4.94	0.00	191					
HENDRIX - MODEL TS, MEDIUM WEIGHT															
1840	.75 C.Y.	4,135	0.78	1.00	0.22	0.48	0.00	0.57	0.00	17					
1845	1.0 C.Y.	5,069	0.96	1.21	0.27	0.59	0.00	0.69	0.00	19					
1850	1.5 C.Y.	6,290	1.19	1.51	0.33	0.73	0.00	0.86	0.00	28					
1855	2.0 C.Y.	7,525	1.42	1.81	0.40	0.87	0.00	1.03	0.00	36					
1860	2.5 C.Y.	8,671	1.63	2.09	0.45	1.00	0.00	1.19	0.00	41					
1865	3.0 C.Y.	10,367	1.95	2.49	0.55	1.20	0.00	1.42	0.00	49					
1870	3.5 C.Y.	11,447	2.16	2.76	0.60	1.33	0.00	1.58	0.00	54					
1875	4.0 C.Y.	13,790	2.59	3.33	0.72	1.59	0.00	1.90	0.00	70					
1880	4.5 C.Y.	14,722	2.77	3.55	0.77	1.70	0.00	2.03	0.00	72					
1885	5.0 C.Y.	18,877	3.55	4.55	0.99	2.18	0.00	2.60	0.00	93					
1890	6.0 C.Y.	19,507	3.66	4.71	1.02	2.25	0.00	2.69	0.00	96					
1895	7.0 C.Y.	22,278	4.19	5.38	1.17	2.58	0.00	3.07	0.00	111					
1900	8.0 C.Y.	24,526	4.62	5.92	1.29	2.84	0.00	3.38	0.00	122					
1905	9.0 C.Y.	29,386	5.54	7.09	1.55	3.41	0.00	4.05	0.00	149					
1910	10.0 C.Y.	31,298	5.90	7.55	1.65	3.63	0.00	4.31	0.00	159					
1915	12.0 C.Y.	39,884	7.51	9.62	2.10	4.62	0.00	5.49	0.00	202					
1920	14.0 C.Y.	44,411	8.36	10.71	2.34	5.14	0.00	6.11	0.00	225					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			GWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
*****BUCKETS, DRAGLINE (CONT'D)*****												
HENDRIX - MODEL MH-S, HEAVY WEIGHT												
1930	2.75 C.Y.	16,542	3.11	3.98	0.87	1.91	0.00	2.27	0.00			
1935	3.0 C.Y.	17,206	3.24	4.15	0.90	1.99	0.00	2.37	0.00			
1940	3.5 C.Y.	19,268	3.63	4.64	1.02	2.23	0.00	2.65	0.00			
1945	4.0 C.Y.	25,787	4.85	6.22	1.35	2.98	0.00	3.55	0.00			
1950	4.5 C.Y.	28,829	5.43	6.95	1.52	3.34	0.00	3.97	0.00			
1955	5.0 C.Y.	29,770	5.61	7.18	1.57	3.45	0.00	4.10	0.00			
1960	6.0 C.Y.	31,881	6.00	7.69	1.67	3.69	0.00	4.39	0.00			
1965	7.0 C.Y.	40,551	7.64	9.78	2.14	4.70	0.00	5.58	0.00			
1970	8.0 C.Y.	41,707	7.85	10.07	2.19	4.83	0.00	5.75	0.00			
1975	9.0 C.Y.	53,086	10.00	12.81	2.79	6.15	0.00	7.32	0.00			
1980	10.0 C.Y.	54,635	10.29	13.18	2.87	6.33	0.00	7.53	0.00			
1985	12.0 C.Y.	64,980	12.24	15.67	3.42	7.53	0.00	8.95	0.00			
1990	14.0 C.Y.	68,693	12.93	16.57	3.61	7.95	0.00	9.46	0.00			
SAUERMAN - CRESCENT SCRAPER WITH DRAGLINE CONVERSION KIT												
2000	SC-1050-K 1.0 C.Y.	9,784	1.84	2.36	0.52	1.13	0.00	1.35	0.00			
2005	SC-1060-K 1.5 C.Y.	12,537	2.36	3.03	0.66	1.45	0.00	1.73	0.00			
2010	SC-1070-K 2.0 C.Y.	17,163	3.23	4.14	0.90	1.99	0.00	2.36	0.00			
2015	SC-1090-K 3.0 C.Y.	22,729	4.29	5.48	1.20	2.64	0.00	3.13	0.00			
2020	SC-1100-K 4.0 C.Y.	33,933	6.39	8.19	1.79	3.93	0.00	4.68	0.00			
2025	SC-1110-K 5.0 C.Y.	38,710	7.28	9.34	2.04	4.48	0.00	5.33	0.00			
2030	SC-1120-K 6.0 C.Y.	46,897	8.83	11.31	2.47	5.43	0.00	6.46	0.00			
2035	SC-1130-K 8.0 C.Y.	57,024	10.74	13.75	3.00	6.61	0.00	7.85	0.00			
2040	SC-1140-K 10.0 C.Y.	69,182	13.02	16.69	3.64	8.01	0.00	9.53	0.00			
2045	SC-1150-K 12.0 C.Y.	80,338	15.12	19.38	4.22	9.30	0.00	11.07	0.00			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			GWT	
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP			
			AVERAGE	SEVERE						
COMPACTORS, MANUALLY OPERATED *****										
2055	JR-12 INGERSOLL-RAND RAMMER	3 HP G	1,672	1.03		0.12	0.28	0.32	1	
2060	BS45Y WACKER RAMMER	3 HP G	1,657	1.03		0.12	0.28	0.32	1	
2065	BS65Y WACKER RAMMER	4 HP G	3,011	1.66		0.20	0.50	0.43	2	
2070	GVR151Y WACKER RAMMER	5 HP G	2,352	1.54		0.16	0.39	0.53	2	
2075	GVR220Y WACKER PAMMER	6 HP G	3,011	1.92		0.20	0.50	0.64	2	
2080	VPG160B WACKER VIBRO PLATE	4 HP G	1,308	1.02		0.09	0.22	0.43	2	
2085	VPG260K WACKER VIBRO PLATE	7 HP G	1,864	1.62		0.12	0.30	0.75	3	
2090	BT-50 BOMAG TAMPING	4 HP G	1,845	1.22		0.12	0.30	0.43	1	
2095	BT-71 BOMAG TAMPING	4 HP G	2,304	1.39		0.16	0.38	0.43	2	
2100	BP-11K BOMAG VIBRO PLATE	4 HP G	1,667	1.16		0.12	0.28	0.43	3	
2105	BP-19/75 BOMAG VIBRO PLATE	5 HP D	3,136	1.49		0.21	0.52	0.25	4	
2110	BP-30 BOMAG VIBRO PLATE	5 HP D	5,664	2.44		0.39	0.94	0.25	5	
2115	BP-50 BOMAG VIBRO PLATE	7 HP D	8,416	3.60		0.57	1.40	0.35	9	
2120	BW-75E BOMAG WALK BEHIND S/D	5 HP D	7,278	3.05		0.49	1.21	0.25	10	
2125	BW-35 BOMAG WALK BEHIND D/D	4 HP D	9,027	3.65		0.61	1.50	0.20	11	
2130	BW-60SE BOMAG D/D ROLLER	8 HP D	12,546	5.21		0.84	2.08	0.40	20	
2135	BW-90SE BOMAG D/D ROLLER	13 HP D	15,861	6.77		1.07	2.63	0.65	30	
2140	VPG600 WACKER VIBRO PLATE	9 HP G	3,447	2.48		0.23	0.57	0.96	7	
2145	DPS2350 WACKER VIBRO PLATE	7 HP D	3,614	1.79		0.25	0.60	0.35	4	
2150	DPU5050 WACKER VIBRO PLATE	11 HP D	12,127	5.24		0.82	2.01	0.55	10	
2155	W 55 T WACKER D/D ROLLER	8 HP D	11,148	4.69		0.76	1.85	0.40	17	
2160	W 74 T WACKER D/D ROLLER	8 HP D	12,539	5.21		0.84	2.08	0.40	19	
CONCRETE BUGGIES - AEROIL *****										
2170	5 CF WALK-BEHIND	5 HP G	1,786	1.09		0.12	0.30	0.42	3	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				GWT	
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL		
CONCRETE FINISHERS - BOMAG *****										
2180	MOD F46B4 GYRO TROWEL	7 HP G	1,466	1.21			0.10	0.24	0.58	2
2185	MOD RF2B4 DOUBLTROWEL	16 HP G	5,781	3.51			0.39	0.96	1.33	7
2190	MOD RF3B3 TRIPLTROWEL	16 HP G	7,453	4.02			0.51	1.24	1.33	9
CONCRETE MIXERS *****										
2200	PORTABLE CONCRETE MIXER 2.5 CF	1 HP E	689	0.24			0.04	0.09	0.03	2
2205	PORTABLE CONCRETE MIXER 3.5 CF	1 HP E	715	0.25			0.04	0.10	0.03	3
2210	PORTABLE CONCRETE MIXER 6.0 CF	7 HP G	2,127	1.40			0.14	0.33	0.58	7
2215	PORTABLE MORTAR MIXER 6.0 CF	7 HP G	1,708	1.28			0.11	0.27	0.58	6
CONCRETE PAVERS *****										
CMI										
2225	MOD SF - 175 SLIPFORM PAVER CUBRS, MEDIAN, AND SIDEWALKS	142 HP D	132,695	33.80			6.95	14.79	5.07	263
2230	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MID.	208 HP D	234,063	57.68			12.24	26.08	7.43	470
2235	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MID.	250 HP D	412,063	96.24			21.56	45.92	8.93	720
GOMACO										
2245	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP G	27,546	12.31			1.44	3.05	5.02	91
2250	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MID	100 HP D	124,956	30.29			6.54	13.93	3.57	255
CONCRETE PLACERS, SHOTCRETE *****										
ALLENTOWN										
2260	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP D	25,051	7.14			1.46	3.41	0.63	45
2265	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP D	28,703	8.60			1.68	3.91	1.05	60

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			GWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.						
					AVERAGE	SEVERE	FUEL	OWNER-SHIP						
CONCRETE PLACERS, SHOTCRETE (CONT'D)														

ALLENTOWN (CONT'D)														
2270	GR600 ROTARY GUN 1-6 CY/HR INCL. HOSE, REQ. 550 CFM COMP.	550CFM A	8,209	2.26			0.47	1.10	0.00	9				
2275	GRI200 ROTARY GUN 4-12 CY/HR INCL. HOSE, REQ. 770 CFM COMP.	770CFM A	16,025	4.37			0.94	2.19	0.00	18				
CHALLENGE SQUEEZ-CRETE														
2285	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP D	44,748	15.49			2.62	6.15	3.26	70				
CONCRETE PUMPS														

MORGEN														
2295	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	110 HP D	53,131	20.85			3.12	7.31	5.79	70				
2300	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GW TRUCK	120 CY/HR 210 HP D	145,228	54.72			8.49	19.88	13.99	255				
SCHWING														
2310	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	67 HP D	45,367	15.99			2.65	6.23	3.53	66				
2315	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	152 HP D	70,920	28.18			4.14	9.68	8.00	98				
2320	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	152 HP D	72,844	28.66			4.25	9.94	8.00	98				
2325	MOD BP 3000 TRAILER MTD 127 CY/HR 177 HP D	177 HP D	96,473	36.35			5.65	13.25	9.32	130				
2330	MOD BP 5000 TRAILER MTD 151 CY/HR 300 HP D	300 HP D	123,747	51.53			7.25	17.01	15.79	150				
2335	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	175 HP D	149,441	52.88			8.68	20.26	11.66	302				
2340	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	175 HP D	214,326	69.31			12.49	29.20	11.66	321				
2345	MOD BPL1200 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	239 HP D	263,288	87.22			15.33	35.82	15.93	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.	OWNER-SHIP	FUEL				
CONCRETE SAWS *****												
FELKER (SAWBLADE WEAR NOT INCLUDED)												
2355	MOD 8BOC	5" DEPTH OF CUT 8 HP G	1,654	1.53		0.10	0.22	0.85	3			
2360	MOD 12WCC	5" DEPTH OF CUT 12 HP G	2,062	2.20		0.12	0.27	1.28	3			
2365	MOD 14TOC	5" DEPTH OF CUT 14 HP G	2,042	2.48		0.12	0.27	1.49	3			
2370	MOD 140MR	8" DEPTH OF CUT 14 HP G	4,571	3.10		0.26	0.60	1.49	6			
2375	MOD 185MR	8" DEPTH OF CUT 18 HP G	5,795	3.96		0.33	0.76	1.92	7			
2380	MOD 300MR	8" DEPTH OF CUT 30 HP G	6,548	5.84		0.38	0.87	3.19	7			
2385	MOD 350MCA	10" DEPTH OF CUT 35 HP G	9,603	7.30		0.56	1.27	3.73	12			
2390	MOD 665MCA	15" DEPTH OF CUT 65 HP G	12,830	12.33		0.75	1.71	6.92	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)		200,354	35.10	43.24	9.72	19.64	2.62	22.40			
	MOD 597-C	1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES										
2405	DRAGLINE OR CLAMSHELL (LESS BUCKET)		277,913	42.50	50.42	12.42	23.43	3.21	25.78			
2410	CRANE 35-T W/65' BOOM		279,607	39.10	45.38	12.50	23.58	2.57	25.94			
	MOD 599-A LIFTING CRANE	T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES										
2420	CRANE 50-T W/75' BOOM		304,997	42.37	49.13	13.63	25.72	2.57	28.29			
	MOD 5299-A LIFTING CRANE	T/C 125 HP D 17'-6" CRAWLERS W/36" SHOES										
2430	CRANE 60-T W/80' BOOM		318,483	44.41	51.53	14.24	26.86	2.82	29.55			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL		
			AVERAGE	SEVERE						
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	AMERICAN - CRAWLER TYPE (CONT'D)									
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2440	DRAGLINE OR CLAMSHELL (LESS BUCKET)	380,519	58.62	69.55	17.01	32.09	4.74	35.30	6.00 1278	
2445	CRANE 40-T W/75' BOOM	372,482	52.53	61.03	16.65	31.41	3.79	34.56	4.90 1262	
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2455	CRANE 60-T W/80' BOOM	394,927	51.21	58.20	16.65	29.69	3.79	31.95	4.90 1421	
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES									
2465	CRANE 100T W/200' BOOM	484,077	61.72	69.99	20.41	36.39	3.79	39.16	4.90 1886	
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2475	CRANE 110-T W/200' BOOM	660,841	85.84	97.60	27.86	49.68	6.47	53.47	8.36 2792	
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2485	CRANE 125T W/270' BOOM	690,887	89.39	101.56	29.13	51.94	6.47	55.89	8.36 3150	
2490	DRAGLINE OR CLAMSHELL (LESS BUCKET)	665,124	94.03	109.00	28.04	50.01	8.09	53.81	10.25 2950	
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES									
2500	CRANE 150T W/280' BOOM	748,014	96.13	109.11	31.54	56.24	6.47	60.51	8.36 3400	
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES									
2510	CRANE 165T W/290' BOOM	786,175	97.84	109.84	32.14	55.51	6.47	59.11	8.36 3580	
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES									
2520	CRANE 225T W/280' BOOM	826,352	102.43	114.92	33.79	58.35	6.47	62.13	8.36 3990	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	OWNER-SHIP	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	BUCYRUS ERIE - CRAWLER TYPE									
	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES									
2535	DRAGLINE OR CLAMSHELL (LESS BUCKET)	212,046	37.78	46.55	10.29	20.80	3.24	23.71	4.11	647
2540	CRANE 28-T W/50' BOOM	216,672	31.02	36.10	9.68	18.27	2.59	20.10	3.35	651
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES									
2550	BACKHOE	274,216	58.86	75.45	14.35	30.65	4.74	36.30	6.23	792
2555	DRAGLINE OR CLAMSHELL (LESS BUCKET)	305,458	47.36	56.22	13.66	25.76	4.06	28.34	5.14	833
2560	CRANE 35-T W/60' BOOM	307,019	43.45	50.50	13.73	25.89	3.25	28.49	4.20	831
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES									
2570	SHOVEL	390,347	82.72	106.00	20.43	43.63	5.86	51.67	7.70	1279
2575	DRAGLINE OR CLAMSHELL (LESS BUCKET)	400,127	61.67	73.19	17.89	33.74	5.02	37.12	6.36	1192
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES									
2585	SHOVEL	558,500	106.00	130.58	27.10	54.77	6.74	62.43	8.86	1762
2590	BACKHOE	534,566	101.81	125.46	25.94	52.42	6.74	59.76	8.86	1727
2595	DRAGLINE OR CLAMSHELL (LESS BUCKET)	552,361	76.94	89.06	23.29	41.53	5.78	44.68	7.32	1570
2600	CRANE 51-T W/70' BOOM	540,369	69.38	78.74	22.78	40.62	4.62	43.72	5.97	1571
	MOD 61-B SER-2 110-T 4 CY T/C 243 HP D 20'-6" CRAWLERS W/42" SHOES									
2610	CRANE 110T W/160' BOOM	680,146	86.93	98.58	28.68	51.14	5.48	55.02	7.08	2123
2615	DRAGLINE OR CLAMSHELL (LESS BUCKET)	650,040	90.60	104.89	27.41	48.87	6.85	52.59	8.68	1973
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2625	SHOVEL	672,941	127.68	157.31	32.65	65.99	8.09	75.23	10.64	2096
2630	BACKHOE	636,510	121.30	149.48	30.88	62.41	8.09	71.15	10.64	2000

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	CRAVES, SHOVEL, B/H, DRAGLINE (CONT'D) *****										
	BUCYRUS ERIE - CRAWLER TYPE (CONT'D)										
	MCD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES										
2635	DRAGLINE OR CLAMSHELL (LESS BUCKET)	603,606	84.84	98.29	25.45	45.38	6.94	48.83	8.79	1820	
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES										
2645	SHOVEL	955,234	178.72	214.40	43.56	86.77	12.01	96.75	15.78	2822	
2650	DRAGLINE OR CLAMSHELL (LESS BUCKET)	786,124	108.62	124.60	32.14	55.50	10.29	59.10	13.04	2274	
	LINK BELT - CRAWLER TYPE										
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/24" SHOES										
2665	CRANE 40-T W/50' BOOM	210,908	30.14	35.08	9.43	17.78	2.48	19.57	3.21	772	
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES										
2675	CRANE 60-T W/80' BOOM	333,162	43.84	49.92	14.05	25.05	3.72	26.95	4.81	1232	
	MOD LS-338 LIFTING CRANE T/C 171 HP D 20'-0" CRAWLERS W/38" SHOES										
2685	CRANE 100-T W/200' BOOM	457,425	58.67	66.57	19.29	34.39	3.86	37.01	4.98	1512	
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W/44" SHOES										
2695	CRANE 150-T W/250' BOOM	689,174	88.05	99.84	29.06	51.82	5.53	55.75	7.14	2712	
	MANITOWOC - CRAWLER TYPE										
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES										
2710	DRAGLINE OR CLAMSHELL (LESS BUCKET)	475,531	70.03	81.50	20.05	35.75	8.09	38.47	10.25	2306	
2715	CRANE 100T W/210' BOOM	522,481	69.52	79.29	22.02	39.28	6.47	42.27	8.36	2354	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				GWT	
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL		
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	MANITOWOC - CRAWLER TYPE (CONT'D)									
2730	MOD 3900W VICON SER2 T/C 300 D 24'-0" CRAWLERS W/48" SHOES	617,367	81.08	92.29	26.03	46.41	6.77	49.94	8.74	2815
2740	CRANE 140T W/250' BOOM 300 HP D									
2745	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES	799,985	113.59	131.75	33.73	60.14	10.15	64.72	12.86	3788
2755	CRANE 200T W/260' BOOM	858,957	108.20	121.69	35.12	60.65	8.12	64.58	10.49	3929
2760	MOD 4600 VICON SERIES 3 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES	1,268,169	164.04	185.20	51.85	89.54	15.45	95.34	19.96	5200
2775	CRANE 240T W/260' BOOM	1,254,926	176.99	203.43	51.30	88.60	19.32	94.35	24.47	5100
	NORTHWEST - CRAWLER TYPE									
2780	MOD 50-D/5045 1.5 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES	283,369	47.46	56.63	12.66	23.89	6.71	26.29	8.50	954
2790	DRAGLINE OR CLAMSHELL (LESS BUCKET)	280,207	42.54	49.81	12.52	23.63	5.37	25.99	6.94	947
2795	CRANE 45-T W/60' BOOM									
2800	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES	468,710	101.27	129.83	24.53	52.39	8.65	62.05	11.37	1510
2810	SHOVEL	403,683	65.05	77.42	18.04	34.04	7.42	37.45	9.39	1274
2815	DRAGLINE OR CLAMSHELL (LESS BUCKET)	397,082	58.27	67.98	17.75	33.48	5.93	36.84	7.66	1267
	CRANE 40-T W/50' BOOM									
	MOD 9570-WT 4.0 CY T/C 304 HP D 19'-0" CRAWLERS W/38" SHOES	458,709	68.50	79.80	19.34	34.49	8.57	37.11	10.86	1580
	DRAGLINE OR CLAMSHELL (LESS BUCKET)	452,052	61.69	70.59	19.06	33.98	6.86	36.57	8.86	1565
	CRANE 60-T W/50' BOOM									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT
			CONDITION		STAND-BY	AVERAGE	COND.	SEVERE	COND.	
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	NORTHWEST - CRAWLER TYPE (CONT'D)									
	MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES									
2825	SHOVEL	758,499	147.16	181.56	36.81	74.38	11.78	84.79	15.48	2571
2830	DRAGLINE OR CLAMSHELL (LESS BUCKET)	658,233	95.59	111.09	27.75	49.48	10.10	53.25	12.79	2365
2835	CRANE 97.5-T W/170' BOOM	684,919	90.65	103.30	28.87	51.49	8.08	55.41	10.43	2464
	MOD 190-D WT SERIES 3 T/C 456 HP D 21'-1" CRAWLERS W/54" SHOES									
2845	DRAGLINE 6.5 CY (LESS BUCKET)	703,762	101.77	117.27	28.77	49.69	12.86	52.91	16.29	2740
2850	CRANE 100-T W/170' BOOM	741,298	99.99	114.24	31.25	55.73	10.29	59.97	13.29	2872
	P & H - CRAWLER TYPE									
	MOD 5060 1.75 CY T/C 140 HP D 19'-8" CRAWLERS W/30" SHOES									
2865	DRAGLINE (LESS BUCKET)	310,969	47.99	56.95	13.90	26.22	3.95	28.85	5.00	989
2870	CRANE 60-T W/80' BOOM	320,505	41.65	47.36	13.51	24.09	3.16	25.93	4.08	1157
	MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES									
2880	DRAGLINE OR CLAMSHELL (LESS BUCKET)	388,514	60.74	72.15	17.36	32.76	5.58	36.05	7.07	1344
2885	CRANE 70-T W/150' BOOM	403,794	53.09	60.43	17.03	30.36	4.47	32.66	5.77	1466
	MOD 5100 3 CY T/C 236 HP D 21'-6" CRAWLERS W/36" SHOES									
2890	DRAGLINE OR CLAMSHELL (LESS BUCKET)	468,082	67.34	78.19	19.73	35.19	6.66	37.87	8.43	1775
2895	CRANE 100-T W/210' BOOM	493,900	64.75	73.71	20.82	37.13	5.32	39.96	6.88	1850
	MOD 5300A LIFTING CRANE T/C 378 HP D 32'-8" CRAWLERS W/48" SHOES									
2900	CRANE 300-T W/320' BOOM	1,453,116	176.58	197.49	59.41	102.59	8.53	109.24	11.01	5588

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CRANES, HYDRAULIC SELF-PROPELLED *****														
GROVE														
2910	MOD RT58A	14 TON	112 HP D	113,235	20.33	4.85	9.14	4.00		410				
2915	MOD RT515	15 TON	115 HP D	121,341	21.51	5.21	9.82	4.11		418				
2920	MOD RT518	18 TON	115 HP D	135,987	23.58	5.82	10.96	4.11		452				
2925	MOD RT522	22 TON	115 HP D	148,845	25.25	6.38	12.01	4.11		498				
2930	MOD RT625	25 TON	156 HP D	198,212	33.16	8.50	16.03	5.57		560				
2935	MOD RT740	40 TON	170 HP D	274,671	44.89	11.74	22.07	6.07		758				
2940	MOD RT755	55 TON	170 HP D	327,359	52.21	13.97	26.21	6.07		839				
2945	MOD RT865	65 TON	208 HP D	403,196	63.88	17.25	32.44	7.43		1100				
2950	MOD RT980	80 TON	230 HP D	520,316	81.14	22.22	41.68	8.22		1320				
2955	MOD RT1650	165 TON	512 HP D	981,876	156.60	41.93	78.69	18.29		2400				
LORAIN														
2965	MOD LRT150	15 TON	114 HP D	115,798	20.70	4.97	9.37	4.07		438				
2970	MOD LRT180	18 TON	121 HP D	123,552	22.02	5.30	10.01	4.32		450				
2975	MOD LRT330	33 TON	180 HP D	192,227	34.14	8.23	15.49	6.43		570				
P & H														
2985	MOD OMEGA 115	15 TON	125 HP D	125,657	22.53	5.40	10.18	4.46		436				
2990	MOD OMEGA 118	18 TON	125 HP D	136,795	23.94	5.87	11.09	4.46		437				
2995	MOD OMEGA 120	20 TON	128 HP D	145,157	25.17	6.24	11.80	4.57		438				
3000	MOD OMEGA 122	22 TON	128 HP D	145,855	25.25	6.27	11.85	4.57		438				
3005	MOD OMEGA 25	25 TON	155 HP D	180,931	31.18	7.78	14.69	5.54		540				
3010	MOD OMEGA 30	30 TON	155 HP D	186,252	31.86	8.01	15.13	5.54		550				
3015	MOD OMEGA 35	35 TON	155 HP D	192,540	32.67	8.28	15.66	5.54		560				
3020	MOD OMEGA 40	40 TON	202 HP D	257,736	44.21	11.01	20.66	7.22		760				
3025	MOD OMEGA 45	45 TON	202 HP D	266,753	45.59	11.38	21.33	7.22		770				
3030	MOD OMEGA 50	50 TON	202 HP D	276,659	46.85	11.81	22.15	7.22		780				
3035	MOD OMEGA 65	65 TON	235 HP D	356,149	59.11	15.20	28.53	8.39		980				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT
			CONDITION	STAND-	AVERAGE	SEVERE	BY	AVERAGE COND.	SEVERE COND.	
					OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	CRANES, HYD SELF-PROPELLED (CONT'D) *****									
	PETTIBONE									
3045	MOD 16 MK P SERIES 8 TON 118 HP D	100,665	18.66		4.34	8.23	4.21			286
3050	MOD 20 MK P SERIES 10 TON 118 HP D	103,491	19.09		4.46	8.45	4.21			302
3055	MOD 25 MK P SERIES 12.5 TON 118 HP D	107,444	19.59		4.63	8.77	4.21			458
3060	MOD 36 MK P SERIES 18 TON 118 HP D	124,416	22.04		5.34	10.07	4.21			494
3065	MOD 60-SC P SERIES 30 TON 176 HP D	207,617	36.13		8.88	16.69	6.29			592
3070	MOD 80-SC P SERIES 40 TON 176 HP D	228,122	39.23		9.73	18.21	6.29			862
3075	MOD 100SC 50 TON 188 HP D	281,520	46.61		12.04	22.64	6.72			1050
	CRANES, HYDRAULIC TRUCK MOUNTED ***** (HP & FUEL LISTED EQUIP/CARRIER)									
	BUCYRUS ERIE									
3085	30-XC 30 TON W/80' BOOM 130/210 HP D/D	208,722	31.52	36.66	8.65	15.80	6.14	17.04	7.86	552
3090	60-XC 60 TON W/104' BOOM 197/238 HP D/D	360,470	51.85	60.09	14.96	27.40	8.74	29.56	11.24	783
	GROVE									
3100	TMS185 18 TON W/106' BOOM 172 HP D	199,055	32.75	39.12	8.79	17.05	6.14	18.82	8.08	442
3105	TMS300 35 TON W/112' BOOM 203 HP D	240,666	36.62	42.95	9.97	18.21	7.25	19.63	9.54	705
3110	TMS475 50 TON W/142' BOOM 213 HP D	299,460	43.61	50.90	12.42	22.72	7.61	24.51	10.01	776
3115	TM875 80 TON W/146' BOOM 196/268 HP D/D	443,891	61.14	70.11	17.74	31.27	8.91	33.37	11.44	1200
3120	TM1150 115 TON W/172' BOOM 196/315 HP D/D	682,568	87.35	99.16	27.38	48.47	9.25	51.71	11.84	1600
3125	TM1400 140 TON W/173' BOOM 318/387 HP D/D	801,904	103.69	117.52	31.77	52.89	14.12	55.81	18.17	1880
	LINK BELT (FMC)									
3135	HTC-814 14 TON W/80' BOOM 216 HP D	183,948	33.16	39.93	8.12	15.72	7.72	17.34	10.15	482
3140	HTC-835 35 TON W/101' BOOM 216 HP D	208,536	33.37	39.39	8.66	15.86	7.72	17.10	10.15	525
3145	HTC-1055 55 TON W/120' BOOM 238 HP D	307,706	45.64	53.37	12.77	23.37	8.50	25.20	11.19	662

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT	
			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										
3155	50TKLSPC 25 TON W/98' BOOM	210 HP D	196,458	34.32	41.21	8.68	16.82	7.50	18.56	9.87	500
3160	80TKLS 40 TON W/144' BOOM	244 HP D	249,804	39.46	46.51	10.35	18.92	8.72	20.41	11.47	740
3165	110 TK P 55 TON W/114' BOOM	238 HP D	270,266	41.46	48.72	11.21	20.50	8.50	22.11	11.19	825
3170	140 TK P 70 TON W/116' BOOM	322 HP D	339,790	52.43	61.34	13.61	24.05	11.50	25.65	15.13	1155
	CRANES, TRUCK MOUNTED ***** (HP & FUEL LISTED EQUIP/CARRIER)										
	AMERICAN										
3180	5470 65 TON W/170' BOOM	115/238 HP D/D	413,992	54.62	62.59	17.15	31.32	5.81	33.78	7.39	1175
3185	5530 75 TON W/170' BOOM	115/238 HP D/D	421,946	54.21	61.52	16.92	29.93	5.81	31.94	7.39	1245
3190	7460 90 TON W/200' BOOM	213/230 HP D/D	518,966	69.02	78.85	20.83	36.92	9.25	39.40	11.93	1503
3195	7530 125 TON W/220' BOOM	213/350 HP D/D	558,074	74.62	85.17	22.39	39.64	10.11	42.29	12.93	1696
3200	8460 165 TON W/240' BOOM	268/350 HP D/D	799,405	100.15	113.00	31.72	52.93	12.07	55.87	15.51	2320
3205	9530 220 TON W/260' BOOM	268/500 HP D/D	1,126,720	137.37	154.25	44.62	74.26	13.14	78.38	16.76	3480
	LINK BELT (FMC)										
3215	HC108C 50 TON W/150' BOOM	110/238 HP D/D	361,104	48.51	55.68	14.94	27.25	5.63	29.38	7.15	1197
3220	HC218A 100 TON W/220' BOOM	165/318 HP D/D	536,358	69.64	79.17	21.53	38.13	8.16	40.69	10.40	1688
3225	HC238B 140 TON W/230' BOOM	171/318 HP D/D	628,932	77.74	87.46	24.93	41.53	8.38	43.84	10.69	2220
	LORAIN										
3235	MC790 90 TON W/220' BOOM	210/270 HP D/D	491,574	66.41	75.98	19.72	34.91	9.43	37.25	12.12	1594
3240	MC1400 140 TON W/230' BOOM	220/290 HP D/D	599,441	76.64	86.69	23.75	39.54	9.93	41.73	12.76	1950
	P & H										
3250	325TC 25 TON W/110' BOOM	83/190 HP D/D	250,557	36.67	42.94	11.08	21.47	4.32	23.68	5.48	645
3255	430ATC 35 TON W/150' BOOM	86/210 HP D/D	279,442	37.43	42.95	11.60	21.24	4.57	22.92	5.79	763
3260	440TC 40 TON W/170' BOOM	90/228 HP D/D	313,397	41.74	47.83	13.00	23.78	4.84	25.64	6.13	964

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT	
			CONDITION		STAND BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	CRANES, TRUCK MOUNTED (CONT'D) ***** (HP & FUEL LISTED EQUIP/CARRIER)										
	P & H (CONT'D)										
3265	650ATC 50 TON W/150' BOOM 135/236 HP D/D	403,999	54.39	62.50	16.73	30.55	6.51	32.95	8.31	1222	
3270	790BTC 90 TON W/200' BOOM 160/350 HP D/D	505,514	66.55	75.73	20.27	35.85	8.21	38.24	10.44	1606	
3275	9150 150 TON W/270' BOOM 210/350 HP D/D	662,175	83.25	93.89	26.26	43.76	10.00	46.18	12.79	1805	
3280	6250TC 300 TON W/320' BOOM 364/450 HP D/D	1,405,445	169.43	190.13	55.80	93.18	16.22	98.36	20.86	3928	
	CRANES, TOWER *****										
	AMERICAN PECCO										
	MODEL SK135-2 FREE STANDING 60 HP E 7500# @ 132' RADIUS (L-2)										
3290	7-S16 TOWER SECTS=103 FT HIGH	275,854	41.09		11.87	19.79	2.43			740	
	OPT. 14'9-1/4" S16 TOWER SECT										
3295	ADD TO BASIC CRANE FOR EA SECT	12,117	1.42		0.53	0.87	0.00			51	
3300	TOP CLIMBING OPT. ADD TO BASIC	44,803	5.25		1.93	3.21	0.00			118	
	MODEL SK200 FREE STANDING 105 HP E 10600# @ 143' RADIUS (L-2)										
3305	7-S16 TOWER SECTS=103 FT HIGH	346,742	52.14		14.92	24.87	4.25			883	
	14'9-1/4" S16 TOWER SECTION										
3310	ADD TO BASIC CRANE FOR EA SECT	12,117	1.42		0.53	0.87	0.00			51	
3315	TOP CLIMBING OPT. ADD TO BASIC	44,803	5.25		1.93	3.21	0.00			118	
	MODEL SK400 FREE STANDING 105 HP E 18500# @ 162' RADIUS (L-2)										
3320	6-S35 TOWER SECTS=116 FT HIGH	424,295	61.24		18.25	30.43	4.25			1216	
	OPT. 19'4-1/4" S35 TOWER SECT.										
3325	ADD TO BASIC CRANE FOR EA SECT	15,369	1.80		0.66	1.10	0.00			84	
3330	TOP CLIMBING OPT. ADD TO BASIC	46,578	5.47		2.01	3.34	0.00			223	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	CRANES, TOWER (CONT'D) *****									
	AMERICAN PECCO (CONT'D)									
	MODEL SK560 FREE STANDING 165 HP E 24500# @ 170' RADIUS (L-2)									
3335	6-S213 TOWER SECTS=116 FT HIGH	491,347	72.75		21.14	35.24	6.68			1547
	OPT. 19'4-1/4" S213 TOWER SECT									
3340	ADD TO BASIC CRANE FOR EA SECT	16,409	1.93		0.71	1.18	0.00			100
3345	TOP CLIMBING OPT. ADD TO BASIC	88,019	10.33		3.78	6.31	0.00			252
	MODEL SN355 FREE STANDING 165 HP E 12300# @ 165' RADIUS (L-2) WITH LUFFING BOOM									
3350	6-S35 TOWER SECTS=116 FT HIGH	519,967	76.11		22.37	37.29	6.68			2152
	OPT. 19'4-1/4" S35 TOWER SECT									
3355	ADD TO BASIC CRANE FOR EA SECT	15,369	1.80		0.66	1.10	0.00			84
3360	TOP CLIMBING OPT. ADD TO BASIC	92,153	10.82		3.96	6.61	0.00			159
	DRILLS, BLAST HOLE, CRAWLER MD *****									
	GARDNER DENVER									
3370	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	70,845	15.17		3.71	7.94	0.00			91
3375	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	67,050	14.40		3.52	7.52	0.00			93
3380	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	73,650	15.73		3.86	8.25	0.00			95
3385	AT3700A/PR66 ANGLE DRILL 900CFM A 4.0" HOLE 12' FEED	87,677	18.64		4.60	9.83	0.00			146
3390	ATD5100/PR80H ANGLE DRILL 1200CFM A 4.5" HOLE 20' FEED	99,133	21.01		5.19	11.11	0.00			200
	INGERSOLL-RAND									
3400	ECM350/VL140 3.5" HOLE 12' FEED 750CFM A	78,991	16.82		4.13	8.85	0.00			129
3405	ECM350/VL671 4.0" HOLE 12' FEED 900CFM A	86,047	18.30		4.50	9.64	0.00			131
3410	ECM 450Y 3.0" HOLE 12' FEED 100 HP D	118,758	29.57		6.21	13.30	4.42			188

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				GWT								
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.										
			AVERAGE	SEVERE													
DRILLS, BLAST HOLE, CRLR MTD (CONT'D) *****																	
SULLIVAN																	
3420	MAVRICK/VCR350 2.5" HOLE 12' PEED 450CFM A	39,022	8.43		2.05	4.38	0.00		60								
3425	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	68,949	14.79		3.61	7.73	0.00		100								
3430	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	81,335	17.30		4.26	9.11	0.00		144								
3435	MUSTANG VCR280 5.0" HOLE 20' FEED1200CFM A	100,582	21.31		5.26	11.27	0.00		184								
3440	STALLION JH-6 5.5" HOLE 20' FEED 165 HP D	214,903	52.64		11.25	24.08	7.29		300								
DRILLS, CORE, AIR, COLUMN MOUNTED *****																	
3450	LONGYEAR 24 WOLVERINE AX 700' 450CFM A	17,628	3.88		0.92	1.97	0.00		12								
3455	LONGYEAR 65D EX 600' 400CFM A	11,282	2.60		0.60	1.27	0.00		3								
3460	65D ROD PULLER 21" STROKE 400CFM A	1,684	0.58		0.08	0.18	0.00		1								
DRILLS, CORE, SKID MOUNTED *****																	
ACKER																	
3470	TEREDO MARK-II NX 1000' MAX 44 HP D	29,879	8.47		1.57	3.35	1.94		40								
3475	ACE MODEL C NX 725' MAX 20 HP D	20,457	5.24		1.07	2.29	0.88		45								
LONGYEAR																	
3485	MOD 24 STD AX 675' MAX 12 HP G	16,836	4.74		0.89	1.89	1.14		17								
3490	MOD 34 NX 1000' MAX 31 HP G	25,712	8.63		1.34	2.88	2.94		38								
3495	MOD 34 NX 1000' MAX 40 HP D	30,594	8.40		1.60	3.43	1.77		39								
3500	MOD 38 NX 1800' MAX 54 HP D	35,165	10.09		1.84	3.94	2.39		41								
3505	MOD 44 NX 2500' MAX 60 HP D	42,253	11.86		2.21	4.73	2.65		56								
SPRAGUE AND HENWOOD																	
3515	MOD 37-H NX 400' MAX 18 HP G	17,755	5.58		0.93	1.99	1.71		18								
3520	MOD 40-CL NX 1050' MAX 49 HP D	27,486	8.26		1.44	3.08	2.16		27								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			GWT					
			CONDITION	STAND BY	AVERAGE	SEVERE COND.	SEVERE FUEL							
					OWNER-SHIP	FUEL	OWNER-SHIP	FUEL						
DRILLS, ROTARY *****														
INGERSOLL-RAND														
3530	MOD DM-25 6 3/4" DRILLMASTER CWL. MOUNTED	210 HP D	244,598	48.28		10.93	20.66	9.28	500					
3535	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	321,562	66.28		14.30	26.91	13.43	550					
3540	MOD TH-60 WATER WELL DRILL TRK. MOUNTED	435 HP D	298,441	70.59		13.29	25.03	19.22	460					
ROBBINS														
3550	RRT 35 TK MTD 6-1/4" TO 8-0" 335/225 HP D/D	328,941	71.32		14.63	27.54	16.41		600					
3555	RRT 50 TK MTD 6-3/4" TO 9-0"	335 HP D	478,031	91.31		21.27	40.00	14.80	860					
3560	RRT 60 TK MTD 6-3/4" TO 9-7/8"	350 HP D	540,711	101.32		24.07	45.30	15.46	960					
3565	RR10S MTD ON D9H 6-3/4" - 9-0"	410 HP D	394,367	82.20		17.62	33.32	18.11	1160					
3570	RR10HD ON D9H 6-3/4" - 10-5/8"	410 HP D	457,617	91.38		20.45	38.67	18.11	1340					
3575	RR10XHD ON 41B 9-7/8" - 12-1/4"	524 HP D	632,709	104.03		25.85	44.73	23.15	1830					
3580	PRI2E CRLR MTD 9-0" TO 12-1" 725/450 HP E/E	1,162,568	170.18		47.49	82.19	41.06		2605					
FORK LIFTS *****														
CATERPILLAR														
LC = LOAD CENTER														
3600	M20 ELECT 2000# @ 24" LC	18 HP E	16,726	4.15		0.87	1.84	0.73	54					
3605	M25 ELECT 2500# @ 24" LC	18 HP E	16,813	4.16		0.88	1.85	0.73	54					
3610	MC30 ELECT 3000# @ 24" LC	18 HP E	17,831	4.35		0.92	1.95	0.73	85					
3615	M40B ELECT 4000# @ 24" LC	32 HP E	24,500	6.41		1.28	2.70	1.30	95					
3620	M50B ELECT 5000# @ 24" LC	32 HP E	25,030	6.49		1.30	2.75	1.30	102					
3625	MC60B ELECT 6000# @ 24" LC	47 HP E	27,623	7.85		1.44	3.04	1.90	123					
3630	M70B ELECT 7000# @ 24" LC	53 HP E	34,115	9.42		1.77	3.74	2.15	134					
3635	M80B ELECT 8000# @ 24" LC	53 HP E	35,704	9.71		1.85	3.93	2.15	142					
3640	M100B ELECT 10000# @ 24" LC	53 HP E	37,751	10.08		1.97	4.18	2.15	160					
3645	V30D GAS 3000# @ 24" LC	37 HP G	15,969	6.49		0.83	1.77	2.86	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	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
FORK LIFTS (CONT'D)												

CATERPILLAR (CONT'D)												
3650	V40C GAS 4000# @ 24" LC	48 HP G	21,201	8.53			1.10	2.31	3.71	41		
3655	V50C GAS 5000# @ 24" LC	48 HP G	21,669	8.64			1.10	2.31	3.71	45		
3660	V60E GAS 6000# @ 24" LC	63 HP G	29,900	11.56			1.55	3.27	4.86	52		
3665	V70E GAS 7000# @ 24" LC	63 HP G	30,259	11.63			1.56	3.31	4.86	56		
3670	V80E GAS 8000# @ 24" LC	63 HP G	31,472	11.85			1.63	3.44	4.86	59		
3675	V110 DIESEL 11000# @ 24" LC	66 HP D	45,267	11.31			2.34	4.95	2.36	82		
3680	V150 DIESEL 15000# @ 24" LC	70 HP D	48,769	12.12			2.53	5.34	2.50	92		
3685	V180B DIESEL 18000# @ 24" LC	125 HP D	64,552	17.53			3.32	6.97	4.46	114		
3690	V200B DIESEL 20000# @ 24" LC	125 HP D	70,320	18.59			3.62	7.62	4.46	124		
3695	V250B DIESEL 25000# @ 24" LC	125 HP D	72,387	18.97			3.72	7.84	4.46	154		
3700	V300B DIESEL 30000# @ 24" LC	125 HP D	81,193	20.64			4.17	8.76	4.46	165		
3705	R40 DIESEL 4000# @ 24" LC	68 HP D	28,651	8.33			1.47	3.10	2.43	107		
3710	R50 DIESEL 5000# @ 24" LC	68 HP D	29,365	8.45			1.51	3.17	2.43	112		
3715	R60 DIESEL 6000# @ 24" LC	68 HP D	35,468	9.58			1.83	3.86	2.43	128		
3720	R80 DIESEL 8000# @ 24" LC	68 HP D	36,865	9.90			1.88	3.93	2.43	138		
HYSTER - CHALLENGER												
3730	H30XL 3000# @ 24" LC	63 HP G	16,595	9.12			0.85	1.79	4.86	58		
3735	H60XL 6000# @ 24" LC	80 HP G	23,984	12.11			1.24	2.61	6.18	91		
3740	H110F 11000# @ 24" LC	116 HP G	47,111	19.82			2.44	5.17	8.96	163		
3745	H150H 15000# @ 24" LC	127 HP G	64,434	24.16			3.32	6.96	9.81	234		
3750	H200HS20000# @ 24" LC	PS 127 HP G	74,730	26.05			3.85	8.11	9.81	256		
3755	H250H 25000# @ 24" LC	PS 127 HP G	75,221	26.15			3.87	8.12	9.81	295		
3760	H300B 30000# @ 24" LC	PS 127 HP G	80,848	27.16			4.17	8.79	9.81	360		
3765	H460CS46000# @ 36" LC	PS 190 HP G	164,935	48.79			8.50	17.93	14.67	590		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
GENERATOR SETS, ELECTRIC *****														
CATERPILLAR T = TURBOCHARGED TA = TURBOCHARGED AFTER COOLED														
SKID MOUNTED														
3780	MOD 3304B-T	240/480V 100 KW 148 HP D	16,835	10.19	12.97	0.98	2.31	5.29	2.58	6.96				
3785	MOD 3306B-T	240/480V 125 KW 187 HP D	22,045	13.03	16.58	1.29	3.03	6.68	3.38	8.79				
3790	MOD 3306B-TA	240/480V 150 KW 220 HP D	23,761	14.88	18.94	1.40	3.27	7.86	3.64	10.34				
3795	MOD 3406B-T	240/480V 200 KW 290 HP D	25,553	18.37	23.47	1.50	3.52	10.36	3.91	13.63				
3800	MOD 3406B-TA	240/480V 250 KW 370 HP D	29,189	22.68	29.07	1.71	4.01	13.22	4.47	17.39				
3805	MOD 3408B-T	240/480V 255 KW 370 HP D	34,717	23.87	30.50	2.03	4.77	13.22	5.32	17.39				
3810	MOD 3408B-TA	240/480V 310 KW 450 HP D	38,682	28.28	36.18	2.27	5.32	16.07	5.92	21.15				
3815	MOD 3412-T	240/480V 355 KW 500 HP D	46,711	32.23	41.17	2.74	6.43	17.86	7.16	23.50				
3820	MOD 3412-TA	240/480V 455 KW 650 HP D	63,241	42.44	54.16	3.71	8.70	23.22	9.69	30.55				
3825	MOD 3508	240/480V 600 KW 845 HP D	84,330	55.62	70.95	4.95	11.61	30.18	12.92	39.71				
3830	MOD 3512	240/480V 900 KW 1250 HP D	114,806	80.14	102.41	6.73	15.79	44.65	17.59	58.75				
3835	MOD 3516	480V 1100 KW 1450 HP D	150,327	96.66	123.21	8.82	20.68	51.79	23.03	68.15				
KOHLER														
3845	2.25MBM25	PORTABLE 2.25 KW 5 HP G	823	0.66	0.84	0.05	0.12	0.39	0.13	0.50				
3850	3.5MM65	PORTABLE 3.50 KW 8 HP G	1,300	1.05	1.33	0.08	0.18	0.62	0.20	0.80				
3855	5MM65	PORTABLE 5.00 KW 12 HP G	1,683	1.51	1.94	0.10	0.23	0.93	0.26	1.21				
ONAN														
SKID MOUNTED														
3870		120/240V 2.5 KW 6 HP G	1,487	0.90	1.13	0.09	0.21	0.46	0.23	0.60				
3875		120/240V 6.5 KW 14 HP G	3,336	2.06	2.61	0.20	0.46	1.08	0.51	1.41				
3880		120/240V 10.0 KW 20 HP G	3,652	2.70	3.43	0.22	0.50	1.54	0.56	2.01				
3885		120/240V 3.0 KW 6 HP D	3,866	1.09	1.35	0.22	0.53	0.21	0.60	0.28				
3890		120/240V 6.0 KW 12 HP D	5,128	1.64	2.02	0.31	0.71	0.43	0.79	0.56				
3895		120/240V 12.0 KW 22 HP D	7,379	2.58	3.18	0.44	1.02	0.79	1.13	1.03				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
GENERATOR SETS, ELECTRIC (CONT'D) *****														
ONAN (CONT'D)														
3900	120/240V 15 KW	27 HP D	7,630	2.84	3.54	0.45	1.05	0.96	1.17	1.27				
3905	120/240V 30 KW	63 HP D	11,300	5.23	6.58	0.67	1.56	2.25	1.73	2.96				
3910	120/240V 45 KW	87 HP D	14,941	7.08	8.92	0.87	2.05	3.11	2.29	4.09				
3915	120/240V 60 KW	102 HP D	17,145	8.20	10.35	1.00	2.35	3.64	2.62	4.79				
3920	120/240V 75 KW	162 HP D	20,393	11.58	14.69	1.20	2.81	5.79	3.12	7.61				
3925	120/240V 90 KW	162 HP D	21,354	11.79	14.94	1.25	2.94	5.79	3.27	7.61				
3930	120/240V 125 KW	210 HP D	24,857	14.66	18.64	1.46	3.42	7.50	3.81	9.87				
3935	120/240V 150 KW	276 HP D	29,511	18.60	23.68	1.73	4.06	9.86	4.52	12.97				
OVERLOWE														
3945	KP2250R PORTABLE	2.25 KW	5 HP G	921	0.68	0.86	0.06	0.13	0.39	0.14				
3950	KP3000R PORTABLE	3.00 KW	7 HP G	1,013	0.89	1.13	0.06	0.14	0.54	0.15				
3955	KP3750BIC PORTABLE	3.75 KW	8 HP G	1,415	1.08	1.36	0.09	0.20	0.62	0.22				
3960	KP5000BIC PORTABLE	5.00 KW	10 HP G	1,785	1.35	1.71	0.11	0.25	0.77	0.27				
3965	KP6500BICB PORTABLE	6.50 KW	16 HP G	1,881	1.95	2.49	0.11	0.26	1.24	0.29				
3970	KP7500BICB PORTABLE	7.50 KW	16 HP G	1,782	1.93	2.46	0.11	0.25	1.24	0.27				
GRADERS, MOTOR *****														
CATERPILLAR														
3985	MOD 120-G POWER SHIFT ARTIC	125 HP D	106,454	21.34	26.74	5.13	9.91	4.11	11.23	5.40				
3990	MOD 130-G POWER SHIFT ARTIC	135 HP D	122,003	24.05	30.11	5.87	11.37	4.44	12.90	5.84				
3995	MOD 12-G POWER SHIFT ARTIC	135 HP D	130,860	25.38	31.74	6.31	12.20	4.44	13.83	5.84				
4000	MOD 140-G POWER SHIFT ARTIC	150 HP D	133,135	26.42	33.11	6.40	12.38	4.93	14.05	6.49				
4005	MOD 14-G POWER SHIFT ARTIC	180 HP D	186,661	35.93	44.99	8.94	17.19	5.92	19.48	7.78				
4010	MOD 16-G POWER SHIFT ARTIC	250 HP D	268,169	51.35	64.25	12.83	24.64	8.22	27.91	10.81				

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																			
4020	MOD 710A	ARTICULATED	135 HP D	102,429	21.24	26.66	4.92	9.49	4.44	10.75	5.84	286							
4025	MOD 720A	ARTICULATED	152 HP D	121,671	24.85	31.17	5.84	11.28	5.00	12.78	6.57	335							
4030	MOD 730A	ARTICULATED	180 HP D	125,254	26.61	33.45	6.02	11.62	5.92	13.17	7.78	340							
4035	MOD 740A	ARTICULATED	210 HP D	137,402	29.70	37.38	6.60	12.76	6.91	14.48	9.08	345							
4040	MOD 710	NON-ARTICULATED	135 HP D	96,419	20.36	25.59	4.63	8.92	4.44	10.11	5.84	280							
4045	MOD 720	NON-ARTICULATED	152 HP D	106,115	22.57	28.38	5.09	9.81	5.00	11.12	6.57	315							
4050	MOD 730	NON-ARTICULATED	180 HP D	114,563	25.04	31.52	5.50	10.61	5.92	12.02	7.78	330							
4055	MOD 740	NON-ARTICULATED	210 HP D	129,667	28.58	35.99	6.24	12.04	6.91	13.65	9.08	345							
4060	MOD 760	NON-ARTICULATED	210 HP D	148,166	31.62	39.80	7.07	13.54	6.91	15.34	9.08	390							
FIAT-ALLIS																			
4070	MOD-65B	DIRECT DRIVE	68 HP D	57,355	11.53	14.45	2.76	5.33	2.24	6.05	2.94	135							
4075	MOD-FG75	POWER SHIFT	130 HP D	89,177	19.06	23.96	4.29	8.26	4.28	9.36	5.62	300							
4080	MOD-FG85	POWER SHIFT	145 HP D	95,858	20.75	26.09	4.60	8.86	4.77	10.03	6.27	310							
4085	MOD-FG95	POWER SHIFT	160 HP D	102,567	22.52	28.37	4.90	9.39	5.26	10.64	6.92	330							
GALION																			
4095	MOD 503-L	CONSTANT MESH	68 HP G	47,975	12.94	16.32	2.31	4.47	4.85	5.07	6.29	115							
4100	MOD T-500C	POWER SHIFT	145 HP D	101,863	21.55	27.07	4.90	9.47	4.77	10.74	6.27	281							
4105	MOD A-550	POWER SHIFT	175 HP D	136,111	27.97	35.09	6.55	12.67	5.76	14.37	7.57	320							
4110	MOD A-600	POWER SHIFT	197 HP D	141,093	29.66	37.25	6.80	13.14	6.48	14.89	8.52	323							
HOISTS *****																			
BEEBE - AIR TUGGERS																			
4120	2000P110-24	1.0 T 225 CFM RQD		6,051	1.28		0.32	0.68	0.00		5								
4125	5000P120-24	2.5 T 500 CFM RQD		9,759	2.08		0.51	1.09	0.00		16								
4130	10000P 50-24	5.0 T 500 CFM RQD		11,829	2.59		0.62	1.32	0.00		22								
4135	20000P 50-40	10.0 T 850 CFM RQD		30,615	6.35		1.61	3.43	0.00		55								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
HOISTS (CONT'D)																			
SKAGIT																			
4145	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	71,694	18.32		3.75	8.01	3.57		85									
4150	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	97,001	23.23		5.07	10.84	3.57		126									
4155	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	149,184	34.67		7.81	16.68	4.64		240									
4160	RB-90WDOUBLE DRUM W/1-3/8" CABLE	150 HP D	165,747	38.78		8.68	18.53	5.36		300									
HYDRAULIC EXCAVATOR, CRAWLER MOUNTED																			
T/B = TELESCOPING BOOM																			
B/H = BACKHOE																			
BADGER (HOP TO)																			
4180	MOD 211	1.25 CY B/H	160 HP D	163,947	38.10	48.94	8.58	18.32	5.26	21.70	6.92	530							
4185	MOD 311	1.88 CY B/H	235 HP D	234,220	54.70	70.25	12.26	26.18	7.73	31.00	10.16	745							
4190	MOD 900B	2.00 CY B/H	308 HP D	283,040	67.05	86.13	14.82	31.64	10.13	37.46	13.32	1015							
4195	MOD 1900	5.00 CY B/H	616 HP D	590,433	128.10	159.12	28.65	57.90	20.27	66.00	26.64	2050							
BUCKYRUS ERIE																			
4205	MOD 300-H	1.00 CY B/H	176 HP D	182,585	47.56	64.52	10.49	23.17	5.79	29.02	7.61	546							
4210	MOD 325-H	1.75 CY B/H	205 HP D	251,136	56.79	72.88	13.15	28.07	6.74	33.24	8.86	774							
4215	MOD 350-H	2.50 CY B/H	248 HP D	316,541	71.17	91.32	16.56	35.38	8.16	41.90	10.72	1000							
4220	MOD 400-H	4.25 CY B/H	392 HP D	529,821	108.49	134.30	25.71	51.95	12.90	59.22	16.95	1575							
CASE																			
4230	MOD 880C "E" BOOM .63 CY	B/H	115 HP D	108,096	28.65	38.84	6.21	13.72	3.78	17.18	4.97	310							
4235	MOD 980B	1.00 CY B/H	165 HP D	132,822	36.28	49.14	7.64	16.86	5.43	21.12	7.13	445							
4240	MOD 1280	1.25 CY B/H	200 HP D	154,131	37.79	48.58	8.07	17.23	6.58	20.40	8.65	505							
CATERPILLAR																			
4250	MOD 215B	.75 CY B/H	105 HP D	118,779	30.50	41.41	6.82	15.07	3.45	18.88	4.54	387							
4255	MOD 225	1.00 CY B/H	135 HP D	159,379	40.68	55.22	9.16	20.23	4.44	25.34	5.84	504							
4260	MOD 235	1.50 CY B/H	195 HP D	291,360	64.20	82.35	15.25	32.57	6.42	38.57	8.43	891							

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, CLR MID (CONT'D)														
***** T/B = TELESCOPING BOOM B/H = BACKHOE														
CATERPILLAR (CONT'D)														
4265	MOD 245	2.50 CY B/H 325 HP D	453,032	100.68	129.15	23.71	50.64	10.69	59.96	14.05	1385			
GRADALL														
4280	MOD G-660	.63 CY T/B 115 HP D	159,189	39.72	53.95	9.15	20.20	3.78	25.30	4.97	450			
4285	MOD G-660C	.88 CY T/B 145 HP D	166,655	42.70	57.96	9.58	21.15	4.77	26.49	6.27	452			
4290	MOD G-880C	1.00 CY T/B 145 HP D	198,947	49.70	67.51	11.44	25.25	4.77	31.62	6.27	536			
4295	MOD G-1000	1.25 CY T/B 272 HP D	267,896	62.69	80.51	14.02	29.94	8.95	35.46	11.76	787			
INSLEY														
4310	MOD H1000C	1.25 CY B/H 180 HP D	151,962	36.56	47.01	7.95	16.98	5.92	20.12	7.78	517			
4315	MOD H2500C	2.25 CY B/H 290 HP D	272,815	64.35	82.67	14.28	30.49	9.54	36.11	12.54	931			
4320	MOD H3500C	3.50 CY B/H 390 HP D	383,377	82.76	102.79	18.60	37.59	12.83	42.86	16.86	1276			
JOHN DEERE														
4330	MOD 490	.50 CY B/H 75 HP D	75,171	19.70	26.71	4.32	9.54	2.47	11.95	3.24	265			
4335	MOD 690 C	.875 CY B/H 125 HP D	106,870	28.84	39.06	6.15	13.57	4.11	16.98	5.40	400			
4340	MOD 790	1.00 CY B/H 155 HP D	137,451	36.84	49.92	7.90	17.45	5.10	21.85	6.70	510			
4345	MOD 890 A	1.875 CY B/H 210 HP D	225,786	52.08	66.87	11.82	25.24	6.91	29.89	9.08	880			
4350	MOD 990	2.125 CY B/H 260 HP D	254,437	59.60	76.56	13.31	28.44	8.55	33.68	11.24	912			
KOEHRING														
4360	MOD 166 BANTAM	.88 CY B/H 108 HP D	119,945	30.90	41.93	6.89	15.22	3.55	19.07	4.67	374			
4365	MOD 266 BANTAM	1.13 CY B/H 143 HP D	158,973	36.47	46.82	8.32	17.77	4.70	21.04	6.18	514			
4370	MOD 366 BANTAM	1.25 CY B/H 210 HP D	190,483	45.23	58.11	9.97	21.29	6.91	25.21	9.08	612			
4375	MOD 566	1.50 CY B/H 240 HP D	277,249	63.24	81.19	14.51	30.99	7.90	36.70	10.38	834			
4380	MOD 666E	2.00 CY B/H 307 HP D	345,283	79.08	101.51	18.07	38.60	10.10	45.71	13.27	1075			
4385	MOD 866E	3.25 CY B/H 332 HP D	443,669	90.99	112.66	21.53	43.50	10.92	49.59	14.36	1306			
4390	MOD 1066E	4.00 CY B/H 420 HP D	551,423	113.39	140.41	26.76	54.07	13.82	61.63	18.16	1640			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES				ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP					
			AVERAGE	SEVERE											
HYDRAULIC EXCAVATOR, CRLR MTD (CONT'D)															
***** T/B = TELESCOPING BOOM B/H = BACKHOE															
KOEHRING (CONT'D)															
4395	MOD 1166E	5.00 CY	B/H	464 HP D	614,410	126.19	156.24	29.82	60.25	15.27	68.68	20.06	1890		
4400	MOD 1266	5.50 CY	B/H	664 HP D	893,737	180.38	217.89	40.76	81.19	21.85	90.52	28.71	2600		
4405	MOD 1466	9.00 CY	B/H	832 HP D	1,043,071	212.83	257.35	47.56	94.74	27.37	105.64	35.98	2900		
KOMATSU															
4415	MOD PC 120-2	.65 CY	B/H	90 HP D	75,935	20.55	27.84	4.37	9.64	2.96	12.07	3.89	256		
4420	MOD PC 200 LC-2	1.05 CY	B/H	105 HP D	116,695	26.78	34.38	6.11	13.05	3.45	15.45	4.54	448		
4425	MOD PC 220 LC-2	1.31 CY	B/H	136 HP D	149,742	34.40	44.19	7.84	16.74	4.47	19.83	5.88	514		
4430	MOD PC 300 LC-2	1.73 CY	B/H	180 HP D	184,334	42.84	55.03	9.64	20.60	5.92	24.40	7.78	690		
4435	MOD PC 650-1	3.00 CY	B/H	410 HP D	438,936	101.31	130.08	22.98	49.07	13.49	58.10	17.73	1433		
UNIT															
4445	MOD H202CT SER II	1.25 CY	B/H	152 HP D	149,633	35.02	44.96	7.84	16.73	5.00	19.80	6.57	475		
4450	MOD H342	1.63 CY	B/H	228 HP D	241,323	55.80	71.65	12.63	26.98	7.50	31.94	9.86	723		
4455	MOD H471	1.75 CY	B/H	304 HP D	299,233	70.03	89.94	15.66	33.45	10.00	39.61	13.14	972		
HYDRAULIC EXCAVATOR, TRUCK MOUNTED															
***** (HP & FUEL LISTED EQUIP/CARRIER) T/B = TELESCOPING BOOM B/H = BACKHOE															
GRADALL															
4465	MOD G-660C	.88 CY	T/B	145/210 HP D/G	184,353	33.08	39.76	8.15	15.79	7.64	17.41	10.01	422		
4470	MOD G-880C	1.00 CY	T/B	145/210 HP D/D	223,045	36.54	43.31	9.85	19.08	6.68	21.05	8.56	535		
4475	MOD G-1000	1.25 CY	T/B	272/312 HP D/D	291,026	48.10	56.59	12.07	22.10	11.94	23.84	15.38	726		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT	
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.				
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
LAND CLEARING EQUIPMENT ***** (ADD TO TRACTOR)											
4485	FLECO LAND CLEARING RAKE FOR 123/235	D/G	19,080	3.77	4.78	1.00	2.14	0.00	2.54	0.00	67
4490	FLECO LAND CLEARING RAKE FOR 160/210	D/D	25,161	4.95	6.28	1.31	2.82	0.00	3.34	0.00	98
4495	FLECO LAND CLEARING RAKE FOR 272/312	D/D	37,259	7.32	9.30	1.96	4.19	0.00	4.96	0.00	138
4500	FLECO CLAMP RAKE FOR CAT 973 (ADD TO 977 LOADER)		19,044	3.89	4.90	1.00	2.14	0.00	2.53	0.00	58
LIGHTING SETS, TRAILER MOUNTED *****											
ALLMAND METALLIC VAPOR											
4510	MAXI-LITE III 4/1000W	15 HP D	13,975	5.29		0.79	1.73	0.70			29
OVER-LOWE METALLIC VAPOR											
4520	TM 352 2/1000W 3 KW	6 HP D	11,023	3.83		0.62	1.35	0.28			17
4525	TM 354 4/1000W 6 KW	12 HP D	14,564	5.31		0.83	1.80	0.56			22
4530	TM 356 6/1000W 8 KW	15 HP D	17,126	6.30		0.98	2.13	0.70			24
LOADERS, BELT *****											
KOLMAN											
4540	101XHD 24"X50' 355 T/HR	28 HP D	30,655	8.05	10.58	1.56	3.13	1.00	3.67	1.32	116
OPTIONAL EQUIPMENT SELECT AS NEEDED											
4550	PLATE FEEDER DOZER TRAP MODEL 45		5,730	1.14	1.46	0.30	0.61	0.00	0.73	0.00	37
4555	BELT FEEDER DOZER TRAP MODEL 65		6,966	1.39	1.78	0.36	0.75	0.00	0.89	0.00	36
4560	WING WALLS STATIONARY		1,328	0.26	0.34	0.07	0.14	0.00	0.17	0.00	9
4565	TUNNEL EXTENSION W/WING WALLS		6,682	1.34	1.71	0.35	0.72	0.00	0.85	0.00	61
4570	SINGLE DECK SCREEN SB-70 7'X42		5,450	1.08	1.39	0.28	0.58	0.00	0.69	0.00	19
4575	DOUBLE DECK SCREEN DC-70-42 7'X42		6,688	1.34	1.71	0.35	0.72	0.00	0.85	0.00	27
4580	TRIPLE DECK SCREEN TC-70-42 7'X42		9,656	1.93	2.46	0.50	1.04	0.00	1.22	0.00	34
4585	XHD CONVEYOR JACKLEG		933	0.19	0.24	0.05	0.10	0.00	0.12	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.	OWNER-SHIP	FUEL		
			AVERAGE	SEVERE						
LOADERS, BELT (CONT'D)										

KOLMAN (CONT'D)										
4590	101XHD 30"X50' 615 T/HR 42 HP D	33,269	9.35	12.35	1.69	3.38	1.50	3.97	1.97	135
OPTIONAL EQUIPMENT SELECT AS NEEDED										
4600	PLATE FEEDER DOZER TRAP MODEL 45	6,770	1.35	1.73	0.36	0.73	0.00	0.86	0.00	42
4605	BELT FEEDER DOZER TRAP MODEL 65	7,400	1.48	1.89	0.39	0.80	0.00	0.94	0.00	40
4610	WING WALLS STATIONARY	1,328	0.26	0.34	0.07	0.14	0.00	0.17	0.00	9
4615	TUNNEL EXTENSION W/WING WALLS	6,682	1.34	1.71	0.35	0.72	0.00	0.85	0.00	61
4620	SINGLE DECK SCREEN SB-80 8'X48	6,230	1.24	1.59	0.33	0.67	0.00	0.79	0.00	23
4625	DOUBLE DECK SCREEN DC-80-48 8'X48	8,682	1.73	2.21	0.45	0.93	0.00	1.10	0.00	35
4630	TRIPLE DECK SCREEN TC-80-48 8'X48	10,852	2.16	2.77	0.56	1.16	0.00	1.38	0.00	43
4635	XHD CONVEYOR JACKLEG	933	0.19	0.24	0.05	0.10	0.00	0.12	0.00	9
4640	101XHD 36"X50' 910 T/HR 56 HP D	38,301	11.27	14.90	1.93	3.86	2.00	4.52	2.63	160
OPTIONAL EQUIPMENT SELECT AS NEEDED										
4650	PLATE FEEDER DOZER TRAP MODEL 45	7,172	1.43	1.83	0.37	0.77	0.00	0.91	0.00	45
4655	BELT FEEDER DOZER TRAP MODEL 65	7,912	1.59	2.01	0.42	0.86	0.00	1.00	0.00	42
4660	WING WALLS STATIONARY	1,328	0.26	0.34	0.07	0.14	0.00	0.17	0.00	9
4665	TUNNEL EXTENSION W/WING WALLS	6,682	1.34	1.71	0.35	0.72	0.00	0.85	0.00	61
4670	SINGLE DECK SCREEN SB-90 9'X54	7,236	1.45	1.85	0.38	0.78	0.00	0.92	0.00	28
4675	DOUBLE DECK SCREEN DC-90-54 9'X54	10,394	2.08	2.65	0.54	1.12	0.00	1.32	0.00	43
4680	TRIPLE DECK SCREEN TC-90-54 9'X54	13,326	2.67	3.40	0.70	1.44	0.00	1.69	0.00	54
4685	XHD CONVEYOR JACKLEG	933	0.19	0.24	0.05	0.10	0.00	0.12	0.00	9
4690	101XHD 42"X50' 1260 T/HR 84 HP D	49,203	15.15	20.11	2.47	4.94	3.00	5.80	3.95	180
OPTIONAL EQUIPMENT SELECT AS NEEDED										
4700	PLATE FEEDER DOZER TRAP MODEL 45	8,341	1.67	2.13	0.44	0.90	0.00	1.06	0.00	48
4705	BELT FEEDER DOZER TRAP MODEL 65	10,715	2.14	2.73	0.56	1.15	0.00	1.36	0.00	45
4710	WING WALLS STATIONARY	1,328	0.26	0.34	0.07	0.14	0.00	0.17	0.00	9
4715	TUNNEL EXTENSION W/WING WALLS	6,682	1.34	1.71	0.35	0.72	0.00	0.85	0.00	61
4720	SINGLE DECK SCREEN SB-100 60"X10'	9,355	1.86	2.39	0.48	1.00	0.00	1.19	0.00	37

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE FUEL	SEVERE OWNER-SHIP						
					AVERAGE	SEVERE	FUEL	FUEL	FUEL						
LOADERS, BELT (CONT'D) *****															
KOLMAN (CONT'D)															
4725	DOUBLE DECK SCREEN DC-100 60"X10'	12,060	2.40	3.08	0.62	1.29	0.00	1.53	0.00	55					
4730	TRIPLE DECK SCREEN TC-100 60"X10'	18,458	3.69	4.71	0.96	1.99	0.00	2.34	0.00	68					
4735	XHD CONVEYOR JACKLEG	933	0.19	0.24	0.05	0.10	0.00	0.12	0.00	9					
4740	101XHD 48"X50' 1700 T/HR	128 HP D	85,634	24.02	31.28	4.39	8.90	4.57	10.46	6.02	265				
OPTIONAL EQUIPMENT SELECT AS NEEDED															
4750	PLATE FEEDER DOZER TRAP MODEL 45		11,924	2.38	3.04	0.62	1.28	0.00	1.51	0.00	51				
4755	WING WALLS STATIONARY		1,328	0.26	0.34	0.07	0.14	0.00	0.17	0.00	9				
4760	TUNNEL EXTENSION W/WING WALLS		7,093	1.42	1.81	0.37	0.77	0.00	0.90	0.00	66				
4765	SINGLE DECK SCREEN SB-120 60"X12'		11,138	2.23	2.84	0.58	1.20	0.00	1.41	0.00	53				
4770	DOUBLE DECK SCREEN DC-120 60"X12'		16,345	3.27	4.17	0.85	1.76	0.00	2.07	0.00	77				
4775	TRIPLE DECK SCREEN TC-120 60"X12'		22,774	4.55	5.81	1.18	2.45	0.00	2.89	0.00	80				
4780	XHD CONVEYOR JACKLEG		933	0.19	0.24	0.05	0.10	0.00	0.12	0.00	9				
4785	303 48"X50' 2000 CY/HR	125 HP D	148,433	39.65	52.64	7.48	14.97	4.46	17.58	5.87	627				
4790	303 48"X60' 2000 CY/HR	185 HP D	164,933	45.78	60.62	8.34	16.73	6.61	19.65	8.69	662				
4795	303 60"X50' 3600 CY/HR	185 HP D	170,393	48.66	65.10	8.54	16.99	6.61	19.92	8.69	682				
4800	303 60"X60' 3600 CY/HR	290 HP D	195,687	59.70	79.92	9.80	19.49	10.36	22.87	13.63	737				
4805	404 48"X50' 2000 CY/HR	185 HP D	182,873	49.28	65.04	9.28	18.68	6.61	21.95	8.69	616				
4810	404 48"X60' 2000 CY/HR	185 HP D	193,226	51.44	67.84	9.81	19.78	6.61	23.24	8.69	650				
4815	404 60"X50' 3600 CY/HR	290 HP D	219,033	63.18	83.85	11.07	22.22	10.36	26.10	13.63	671				
4820	404 60"X60' 3600 CY/HR	290 HP D	241,945	68.95	91.72	12.21	24.47	10.36	28.74	13.63	724				
OPTIONAL EQUIPMENT SELECT AS NEEDED															
4830	SINGLE DECK SCREEN SB-120 72"X12'		14,399	2.88	3.67	0.75	1.55	0.00	1.82	0.00	58				
4835	DOUBLE DECK SCREEN DC-120 72"X12'		19,028	3.81	4.85	0.99	2.05	0.00	2.41	0.00	85				
4840	TRIPLE DECK SCREEN TC-120 72"X12'		21,698	4.34	5.53	1.13	2.34	0.00	2.75	0.00	90				
4845	SINGLE DECK VIBRATING GRIZZLE 72"W		21,764	4.35	5.56	1.13	2.34	0.00	2.77	0.00	89				

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, FRONT END, CRAWLER TYPE *****														
CASE														
4855	350 B	3/4 CY	39 HP D	41,826	11.96	15.06	2.19	4.69	1.50	5.57	1.98	105		
4860	455 C	1 CY	63 HP D	56,013	16.60	20.93	2.93	6.29	2.43	7.46	3.20	150		
4865	855 C	1-1/2 CY	78 HP D	73,450	21.53	27.11	3.85	8.25	3.01	9.78	3.96	236		
4870	1155 D	1-3/4 CY	110 HP D	98,094	29.06	36.60	5.14	11.02	4.24	13.05	5.58	282		
4875	1455 B	2-1/4 CY	140 HP D	116,011	34.90	43.99	6.08	13.03	5.40	15.44	7.11	360		
CATERPILLAR														
4885	931B	1 CY	65 HP D	44,182	13.91	17.57	2.31	4.96	2.51	5.88	3.30	160		
4890	943	1-1/2 CY	80 HP D	86,512	24.71	31.09	4.53	9.71	3.08	11.51	4.06	257		
4895	953	2 CY	110 HP D	108,154	31.43	39.56	5.66	12.14	4.24	14.39	5.58	300		
4900	963	2-1/2 CY	150 HP D	141,351	41.43	52.15	7.41	15.88	5.78	18.81	7.61	399		
4905	973	3-3/4 CY	210 HP D	199,689	58.42	73.54	10.46	22.43	8.09	26.57	10.66	540		
FIAT-ALLIS														
4915	FL5	1 CY	63 HP D	45,222	14.04	17.75	2.36	5.07	2.43	6.02	3.20	165		
4920	FL7	1-1/4 CY	78 HP D	54,828	17.12	21.62	2.88	6.16	3.01	7.30	3.96	198		
4925	FL9	1-5/8 CY	87 HP D	63,786	19.72	24.89	3.35	7.17	3.35	8.49	4.42	252		
4930	FL10C	2 CY	122 HP D	84,058	26.38	33.31	4.40	9.44	4.70	11.19	6.19	300		
4935	FL14C	2-5/8 CY	150 HP D	112,330	34.56	43.60	5.89	12.62	5.78	14.95	7.61	410		
4940	FL20	3-1/2 CY	223 HP D	159,800	49.67	62.70	8.37	17.95	8.59	21.26	11.32	585		
INTERNATIONAL														
4950	100-E	1-1/8 CY	65 HP D	52,644	15.91	20.06	2.75	5.91	2.51	7.01	3.30	161		
4955	125-E	1-3/8 CY	78 HP D	65,475	19.64	24.75	3.43	7.35	3.01	8.71	3.96	199		
4960	175-C	2 CY	130 HP D	101,336	30.88	38.96	5.31	11.38	5.01	13.48	6.60	338		
4965	250-C	2-3/4 CY	190 HP D	148,198	45.16	56.96	7.76	16.64	7.32	19.72	9.64	452		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT								
			CONDITION	STAND-	AVERAGE	SEVERE	BY	AVERAGE COND.	SEVERE COND.								
					OWNER-SHIP	FUEL	OWNER-SHIP										
LOADERS, F.E., CRAWLER TYPE (CONT'D) *****																	
JOHN DEERE																	
4975	JD350-C	3/4 CY	42 HP D	39,773	11.65	14.66	2.09	4.47	1.62	5.29	2.13	119					
4980	JD455-D	1-1/4 CY	67 HP D	52,778	16.05	20.24	2.77	5.93	2.58	7.02	3.40	172					
4985	JD555-A	1-3/8 CY	78 HP D	64,951	19.51	24.59	3.40	7.29	3.01	8.64	3.96	188					
4990	JD655	2 CY	110 HP D	95,686	28.49	35.89	5.01	10.75	4.24	12.73	5.58	296					
4995	JD755-A	2-1/4 CY	130 HP D	109,561	32.84	41.38	5.74	12.31	5.01	14.57	6.60	320					
5000	JD855	2-3/4 CY	200 HP D	157,559	47.91	60.43	8.25	17.69	7.71	20.97	10.15	460					
KOMATSU																	
5010	D31S-17	1.3 CY	66 HP D	47,013	14.63	18.48	2.46	5.28	2.54	6.26	3.35	156					
5015	D41S-3	1.6 CY	90 HP D	65,312	20.25	25.55	3.43	7.34	3.47	8.69	4.57	262					
5020	D53S-16	1.8 CY	110 HP D	83,126	25.51	32.19	4.35	9.33	4.24	11.06	5.58	300					
5025	D57S-1	2.1 CY	135 HP D	103,597	31.69	39.98	5.43	11.64	5.20	13.79	6.85	340					
5030	D75S-3	3.3 CY	200 HP D	149,617	46.04	58.09	7.84	16.81	7.71	19.91	10.15	485					
5035	D155S-1	5.9 CY	350 HP D	292,710	87.87	110.76	15.33	32.87	13.49	38.95	17.77	950					
LOADERS, FRONT END, WHEEL TYPE *****																	
(ARTIC = ARTICULATED)																	
BOBCAT																	
5045	MOD 440	6 CWT. SKID STEER	16 HP G	8,794	3.27	4.24	0.45	0.92	1.24	1.09	1.61	21					
5050	MOD 443	6 CWT. SKID STEER	15 HP D	10,533	2.72	3.49	0.54	1.11	0.54	1.31	0.70	24					
5055	MOD 540	8 CWT. SKID STEER	23 HP G	11,946	4.54	5.84	0.62	1.27	1.78	1.50	2.31	31					
5060	MOD 543	8 CWT. SKID STEER	22 HP D	13,413	3.57	4.57	0.70	1.43	0.79	1.68	1.03	33					
5065	MOD 641	10 CWT. SKID STEER	28 HP D	15,822	4.31	5.53	0.82	1.69	1.00	1.99	1.32	39					
5070	MOD 642	10 CWT. SKID STEER	32 HP G	14,603	5.93	7.64	0.76	1.56	2.47	1.83	3.22	38					
5075	MOD 742	13 CWT. SKID STEER	34 HP G	16,825	6.53	8.40	0.87	1.79	2.63	2.12	3.42	45					
5080	MOD 743	13 CWT. SKID STEER	36 HP D	18,020	5.10	6.55	0.93	1.92	1.29	2.27	1.69	46					
5085	MOD 843	17 CWT. SKID STEER	54 HP D	23,226	7.11	9.27	1.19	2.43	1.93	2.86	2.54	63					
5090	MOD 974	37 CWT. SKID STEER	78 HP D	42,733	12.31	16.34	2.16	4.36	2.79	5.12	3.67	121					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.E., WHEEL TYPE (CONT'D) *****														
CASE														
5100	W-4	1/2 CY ARTIC	37 HP D	25,570	6.60	8.47	1.33	2.72	1.32	3.19	1.74	48		
5105	W-11	3/4 CY ARTIC	55 HP D	46,585	11.36	14.57	2.41	4.95	1.96	5.82	2.58	89		
5110	W-14	1-1/2 CY ARTIC	83 HP D	61,988	15.87	20.66	3.18	6.49	2.96	7.64	3.90	146		
5115	W-18 B	1-3/4 CY ARTIC	103 HP D	79,503	20.15	26.17	4.08	8.33	3.68	9.81	4.84	194		
5120	W-20 C	2 CY ARTIC	110 HP D	85,199	22.00	29.02	4.33	8.77	3.93	10.31	5.17	230		
5125	W-24 C	2-1/2 CY ARTIC	132 HP D	102,402	25.72	33.19	5.28	10.81	4.72	12.72	6.20	216		
5130	W-36	3-1/2 CY ARTIC	185 HP D	137,653	35.82	47.10	7.01	14.22	6.61	16.72	8.69	398		
CATERPILLAR														
5140	910	1-1/4 CY ARTIC	65 HP D	51,148	12.96	16.90	2.62	5.33	2.32	6.28	3.05	145		
5145	920	1-3/4 CY ARTIC	80 HP D	71,548	17.44	22.58	3.68	7.53	2.86	8.86	3.76	186		
5150	930	2-1/4 CY ARTIC	100 HP D	81,947	20.43	26.51	4.20	8.59	3.57	10.12	4.70	212		
5155	950-B	3 CY ARTIC	155 HP D	129,603	32.22	41.87	6.65	13.57	5.54	15.97	7.28	328		
5160	966-D	4 CY ARTIC	200 HP D	176,612	43.61	56.95	9.03	18.39	7.14	21.64	9.40	426		
5165	980-C	5-1/4 CY ARTIC	270 HP D	237,756	55.08	71.96	11.23	22.92	9.64	26.18	12.69	598		
5170	988-B	7 CY ARTIC	375 HP D	343,468	77.39	100.80	16.10	32.58	13.39	37.16	17.62	892		
5175	992-C	13 CY ARTIC	690 HP D	698,818	156.46	206.45	32.47	65.18	24.65	74.29	32.43	1916		
CLARK														
5185	35C	1-1/2 CY	85 HP D	62,330	15.99	20.72	3.21	6.55	3.04	7.70	3.99	180		
5190	45C	2 CY	110 HP D	73,011	19.20	24.90	3.75	7.67	3.93	9.04	5.17	206		
5195	55C	2-1/2 CY ARTIC	121 HP D	84,877	22.02	28.57	4.36	8.91	4.32	10.49	5.69	262		
5200	75C	3 CY ARTIC	154 HP D	122,884	31.15	40.73	6.28	12.78	5.50	15.03	7.24	313		
5205	125C	4 CY ARTIC	203 HP D	165,785	42.13	55.42	8.44	17.12	7.25	20.13	9.54	437		
5210	175C	5 CY ARTIC	279 HP D	224,623	53.42	69.98	10.60	21.60	9.97	24.65	13.11	565		
5215	275C	7 CY ARTIC	360 HP D	328,228	73.15	94.25	15.49	31.55	12.86	36.01	16.92	864		
5220	475C	12 CY ARTIC	612 HP D	615,962	136.55	178.48	28.79	58.15	21.86	66.32	28.76	1689		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.E., WHEEL TYPE (CONT'D) *****														
FIAT-ALLIS														
5230	345-B	1-1/2 CY ARTIC	80 HP D	55,507	14.47	18.80	2.85	5.82	2.86	6.85	3.76	151		
5235	FR-10	2-1/4 CY ARTIC	110 HP D	70,691	18.70	24.17	3.64	7.46	3.93	8.79	5.17	212		
5240	FR-12	2-1/2 CY ARTIC	127 HP D	77,672	21.04	27.38	3.98	8.13	4.54	9.58	5.97	230		
5245	FR-15	3 CY ARTIC	164 HP D	109,050	29.26	38.50	5.55	11.26	5.86	13.24	7.71	296		
5250	FR-20	4-1/2 CY ARTIC	223 HP D	166,547	43.30	56.93	8.49	17.21	7.97	20.24	10.48	445		
5255	945-B	6-1/2 CY ARTIC	335 HP D	256,316	60.46	78.93	12.00	24.25	11.97	27.66	15.74	666		
FORD														
5265	445A	3/4 CY	48 HP D	26,128	7.38	9.68	1.33	2.70	1.71	3.18	2.26	73		
5270	555A	1 CY	62 HP D	32,885	9.31	12.11	1.68	3.43	2.21	4.05	2.91	78		
5275	A-62	1-1/2 CY	88 HP D	64,334	16.48	21.38	3.30	6.76	3.14	7.96	4.14	173		
5280	A-64	2 CY ARTIC	107 HP D	77,592	20.02	26.01	3.98	8.13	3.82	9.56	5.03	228		
5285	A-66	2-1/2 CY ARTIC	136 HP D	109,714	27.70	36.19	5.61	11.42	4.86	13.44	6.39	256		
INTERNATIONAL														
5295	510B	1-3/8 CY	80 HP D	54,524	14.34	18.66	2.80	5.71	2.86	6.71	3.76	140		
5300	515B	1-5/8 CY	100 HP D	67,032	17.63	22.90	3.44	7.03	3.57	8.28	4.70	167		
5305	520B	2-1/4 CY ARTIC	120 HP D	78,298	20.80	27.04	4.02	8.20	4.29	9.65	5.64	232		
5310	530	2-3/4 CY ARTIC	155 HP D	113,051	29.28	38.21	5.79	11.79	5.54	13.87	7.28	291		
5315	540	3-3/4 CY ARTIC	189 HP D	156,158	39.59	52.11	7.95	16.12	6.75	18.95	8.88	360		
5320	550	5-1/4 CY ARTIC	209 HP D	220,597	54.05	72.15	11.14	22.40	7.47	26.32	9.82	544		
5325	560B	7-1/2 CY ARTIC	415 HP D	323,056	74.86	96.60	15.23	31.02	14.82	35.40	19.50	830		
5330	570	12 CY ARTIC	590 HP D	602,979	131.51	169.92	28.38	57.73	21.07	65.89	27.73	1350		
JOHN DEERE														
5340	300B	3/4 CY	43 HP D	24,090	6.72	8.69	1.24	2.52	1.54	2.95	2.02	69		
5345	444C	1-1/2 CY	85 HP D	64,624	16.39	21.23	3.32	6.79	3.04	8.00	3.99	179		
5350	544C	2 CY ARTIC	105 HP D	78,152	19.79	25.47	4.03	8.27	3.75	9.73	4.93	197		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CFT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.E., WHEEL TYPE (CONT'D) *****														
JOHN DEERE (CONT'D)														
5355	644C	3 CY ARTIC	145 HP D	111,826	28.42	36.99	5.73	11.69	5.18	13.77	6.81	260		
5360	844	4-1/2 CY ARTIC	260 HP D	205,437	49.46	65.15	9.67	19.65	9.29	22.42	12.22	490		
KAWASAKI														
5370	KSS-65Z	2.2 CY	104 HP D	67,339	18.02	23.54	3.44	7.01	3.71	8.25	4.89	225		
5375	KSS-70	3.0 CY	158 HP D	93,358	25.90	34.04	4.76	9.66	5.64	11.35	7.43	305		
5380	KSS-80ZII	3.5 CY	165 HP D	99,994	27.50	36.11	5.10	10.35	5.89	12.18	7.75	327		
5385	KSS-85ZII	4.0 CY	217 HP D	135,949	37.22	49.06	6.91	14.00	7.75	16.46	10.20	409		
5390	KSS-95ZII	5.5 CY	305 HP D	186,679	48.11	63.37	8.79	17.86	10.89	20.38	14.33	615		
5395	KSS-110Z	7.5 CY	383 HP D	292,489	69.58	91.52	13.62	27.40	13.68	31.24	18.00	864		
TEREX (GM)														
5405	33C	2 CY	103 HP D	66,921	17.91	23.38	3.42	6.97	3.68	8.20	4.84	216		
5410	44C	2-1/2 CY	113 HP D	76,407	20.12	26.15	3.92	8.00	4.04	9.41	5.31	250		
5415	55C	3-1/4 CY	144 HP D	107,449	27.77	36.36	5.49	11.16	5.14	13.13	6.77	280		
5420	66C	4 CY	210 HP D	149,135	39.17	51.44	7.60	15.44	7.50	18.16	9.87	425		
5425	80C	5-1/2 CY	307 HP D	224,676	54.72	71.70	10.60	21.60	10.97	24.65	14.43	590		
5430	90B	7-1/2 CY	388 HP D	327,258	74.29	95.78	15.44	31.45	13.86	35.90	18.24	845		
TROJAN														
5440	1500Z	1-3/4 CY ARTIC	93 HP D	60,897	16.32	21.38	3.11	6.32	3.32	7.43	4.37	180		
5445	1900Z	2-1/2 CY ARTIC	119 HP G	77,006	26.61	34.54	3.95	8.06	9.19	9.48	11.97	220		
5450	2000Z	3 CY ARTIC	160 HP D	101,710	27.50	36.03	5.20	10.56	5.72	12.42	7.52	306		
5455	4000	4-1/4 CY ARTIC	203 HP D	151,528	39.59	52.26	7.70	15.58	7.25	18.32	9.54	410		
5460	5500	5-1/2 CY ARTIC	285 HP D	221,345	53.45	70.37	10.42	21.19	10.18	24.18	13.39	616		
5465	7500	7 CY ARTIC	400 HP D	291,296	69.09	89.61	13.69	27.80	14.29	31.72	18.80	846		

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	CATERPILLAR-SHIP	FUEL					
LOADER/BACKHOE, WHEEL TYPE TRACTOR *****														
CASE														
5475	480D LDR/BHOE	7/8 CY FE BUCKET 24" B/H DIPPER	47 HP D	41,201	10.18	12.87	2.12	4.34	1.68	5.11 2.21 100				
5480	580D LDR/BHOE	1.0 CY FE BUCKET 24" B/H DIPPER	55 HP D	48,053	11.81	14.91	2.49	5.11	1.96	6.01 2.58 115				
5485	680H LDR/BHOE	1-1/4 CY FE BUCKET 30" B/H DIPPER	80 HP D	74,055	18.04	22.78	3.82	7.83	2.86	9.22 3.76 165				
5490	780B LDR/BHOE	1-3/4 CY FE BUCKET 30" B/H DIPPER	111 HP D	87,517	22.13	27.99	4.50	9.22	3.96	10.85 5.22 200				
JOHN DEERE														
5500	310B LDR/BH	3/4 CY FE BUCKET 24" B/H DIPPER	58 HP D	41,355	10.75	13.62	2.12	4.34	2.07	5.11 2.73 135				
5505	410B LDR/BH	1 CY FE BUCKET 24" B/H DIPPER	62 HP D	49,011	12.40	15.71	2.52	5.16	2.21	6.08 2.91 138				
5510	510B LDR/BHOE	1-1/8 CY FE BUCKET 24" B/H DIPPER	70 HP D	56,787	14.31	18.12	2.92	5.96	2.50	7.02 3.29 150				
5515	610B LDR/BH	1-1/3 CY FE BUCKET 24" B/H DIPPER	80 HP D	64,965	16.33	20.65	3.35	6.85	2.86	8.06 3.76 163				
5520	710B LDR/BHOE	1-1/2 CY FE BUCKET 30" B/H DIPPER	100 HP D	78,251	19.95	25.28	4.01	8.19	3.57	9.64 4.70 220				
LOADER/BACKHOE, CRLR TYPE TRACTOR *****														
CASE														
5530	350B LDR/BHOE	3/4 CY FE BUCKET 24" B/H DIPPER	39 HP D	55,186	15.13	18.99	2.89	6.20	1.50	7.34 1.98 141				
5535	450B LDR/BHOE	1 CY FE BUCKET 24" B/H DIPPER	53 HP D	65,707	18.37	23.07	3.44	7.38	2.04	8.74 2.69 167				
CATERPILLAR														
5545	931BLDR/BHOE	1 CY FE BUCKET 30" B/H DIPPER	65 HP D	57,070	16.96	21.36	2.99	6.41	2.51	7.59 3.30 207				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				GWT
			CONDITION	STAND BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	
			AVERAGE	SEVERE					
LOADER/BACKHOE ATTACHMENTS *****									
HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE OR HYDRAULIC EXCAVATOR (ADD TO THE BASIC LOADER-BACKHOE OR EXCAVATOR)									
5555	KENT RAM 555 W/NARROW CHISEL	5,026	1.99		0.32	0.72	0.00		6
5560	KENT RAM 999 W/NARROW CHISEL	10,437	4.14		0.67	1.50	0.00		10
5565	KENT RAM 2000 W/CHISEL-MIN 3/4CY B/H	20,229	7.98		1.30	2.91	0.00		22
5570	KENT KHP-12 HYDRA-PAK TAMPER	5,286	1.82		0.34	0.76	0.00		9
5575	KENT KHP-25 HYDRA-PAK MIN 3/4CY B/H	8,293	2.83		0.53	1.19	0.00		15
PILE EXTRACTORS *****									
MKT CORPORATION									
5585	E2 700 FT-LBS	400CFM A	14,468	4.56		0.93	2.08	0.00	27
5590	E4 1000 FT-LBS	550CFM A	21,853	6.83		1.40	3.14	0.00	47
VULCAN									
5600	400A 500 FT-LBS	450CFM A	18,562	5.79		1.18	2.66	0.00	30
5605	800A 1000 FT-LBS	900CFM A	24,386	7.74		1.56	3.50	0.00	57
5610	1200A 1640 FT-LBS	1350CFM A	28,966	9.40		1.85	4.16	0.00	97
PILE HAMMERS, DIESEL ***** (FUEL NOT INCLUDED)									
MKT CORPORATION									
5620	DE-30B/20B (6-FT) 12,000 FT-LBS		36,550	10.93		2.34	5.25	0.00	74
5625	DE-30B/20B (6-FT) 16,800 FT-LBS		40,843	12.21		2.62	5.87	0.00	82
5630	DE-70B/50B (6-FT) 30,000 FT-LBS		67,114	20.02		4.29	9.64	0.00	138
5635	DE-70B/50B (6-FT) 42,000 FT-LBS		71,409	21.30		4.57	10.26	0.00	158

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL						
					AVERAGE	SEVERE	OWNER-SHIP	FUEL						
PILE HAMMERS, SINGLE ACTING *****														
VULCAN														
5645	1	15000 FT-LBS	750CFM A	37,529	11.59		2.40	5.39	0.00	101				
5650	06	19500 FT-LBS	900CFM A	43,024	13.29		2.75	6.18	0.00	121				
5655	08	26000 FT-LBS	1100CFM A	49,808	15.40		3.18	7.15	0.00	175				
5660	010	32500 FT-LBS	1350CFM A	54,595	16.97		3.49	7.84	0.00	195				
5665	012	39000 FT-LBS	1500CFM A	61,269	18.85		3.92	8.80	0.00	287				
5670	014	42000 FT-LBS	1750CFM A	72,775	22.57		4.65	10.45	0.00	283				
5675	016	48750 FT-LBS	1750CFM A	85,568	26.38		5.47	12.29	0.00	320				
5680	020	60000 FT-LBS	2150CFM A	114,543	35.21		7.32	16.45	0.00	425				
5685	030	90000 FT-LBS	2350CFM A	167,931	51.19		10.73	24.11	0.00	575				
PILE HAMMERS, DOUBLE ACTING *****														
MKT CORPORATION														
5695	9-B-3	8750 FT-LBS	900CFM A	29,397	9.23		1.88	4.22	0.00	74				
5700	10-B-3	13100 FT-LBS	1200CFM A	33,586	10.63		2.14	4.82	0.00	114				
5705	11-B-3	19150 FT-LBS	1200CFM A	44,697	13.94		2.86	6.42	0.00	141				
5710	5 (SELF STOP)	1000 FT-LBS	375CFM A	11,071	3.54		0.71	1.59	0.00	17				
5715	6 (SELF STOP)	2500 FT-LBS	600CFM A	14,089	4.53		0.91	2.03	0.00	31				
5720	7 (SELF STOP)	4150 FT-LBS	750CFM A	17,729	5.70		1.13	2.54	0.00	50				
VULCAN														
5730	50C	15100 FT-LBS	1250CFM A	47,943	14.91		3.06	6.88	0.00	153				
5735	65C	19200 FT-LBS	1450CFM A	54,728	17.05		3.49	7.85	0.00	153				
5740	80C	24450 FT-LBS	1750CFM A	58,917	18.45		3.77	8.46	0.00	184				
5745	100C	32900 FT-LBS	2050CFM A	72,233	22.57		4.62	10.37	0.00	232				
5750	140C	36000 FT-LBS	2150CFM A	88,859	27.57		5.68	12.76	0.00	287				
5755	200C	50200 FT-LBS	2550CFM A	127,874	39.39		8.18	18.37	0.00	398				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				GWT
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	SEVERE OWNER-SHIP	AVERAGE FUEL COND.	SEVERE FUEL COND.	
			AVERAGE	SEVERE					
PILE HAMMERS, VIBRATORY *****									
	MKT CORPORATION								
5765	V5 WITH POWER PACK	59 HP D	63,880	21.79	4.09	9.18	2.11		110
5770	V16 WITH POWER PACK	156 HP D	120,087	43.07	7.68	17.25	5.57		215
5775	V20 WITH POWER PACK	295 HP D	175,350	66.06	11.21	25.18	10.54		257
5780	V30 WITH POWER PACK	550 HP D	188,766	82.08	12.06	27.10	19.65		350
5785	V36 WITH POWER PACK	650 HP D	238,648	101.62	15.25	34.26	23.22		450
PIPELAYER *****									
	CATERPILLAR								
5795	561D 15 FT BOOM, 40,000 LB CAP 105 HP D	123,541	22.36	27.55	6.00	11.78	2.07	13.38	2.66
5800	571G 18 FT BOOM, 60,000 LB CAP 200 HP D	198,405	36.77	45.37	9.63	18.91	3.95	21.49	5.08
5805	572G 18 FT BOOM, 90,000 LB CAP 200 HP D	274,427	48.75	60.02	13.32	26.17	3.95	29.72	5.08
5810	583K 20 FT BOOM, 140,000 LB CAP 300 HP D	284,289	53.05	65.47	13.80	27.10	5.92	30.79	7.61
5815	594H 24 FT BOOM, 200,000 LB CAP 410 HP D	396,884	73.83	91.09	19.26	37.84	8.09	42.98	10.41
PUMPS, GROUT *****									
	CHEMGROUT								
5825	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,550	3.34		0.74	1.74	0.00		11
5830	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,641	1.28		0.27	0.64	0.00		5
5835	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	18,533	5.01		1.09	2.56	0.00		18
5840	CG-620 COLLOIDAL ADD-ON TO CG-500	8,033	2.09		0.47	1.11	0.00		11

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				
PUMPS, WATER (FOR CORE DRILLS) *****													
LONGYEAR													
5850	520 RQG 5.7-20 GPM UP TO 600PSI	10 HP G	6,791	2.69			0.36	0.73	1.06	7			
5855	535 RQG 9.9-35 GPM UP TO 800PSI	15 HP G	8,588	3.74			0.45	0.93	1.60	10			
PUMPS, WATER, CENTRIFUGAL, DEWATERING *****													
HOMELITE - SKID MOUNTED													
5865	MOD 110S 1-1/2"-5000 GPH @ 30' H	2 HP G	476	0.38			0.03	0.06	0.21	1			
5870	MOD 111S 2" - 9000 GPH @ 22' H	3 HP G	610	0.54			0.03	0.07	0.32	1			
5875	MOD 120S 3" - 18000 GPH @ 20' H	8 HP G	1,133	1.33			0.06	0.12	0.85	2			
MARLOW - WHEEL MOUNTED													
5885	MOD 4D2 465 GPM @ 20' HEAD	43 HP G	9,026	7.76			0.47	0.97	4.58	14			
5890	MOD 4C7 595 GPM @ 20' HEAD	30 HP D	5,205	3.05			0.27	0.56	1.49	10			
5895	MOD 6E4A 1100 GPM @ 20' HEAD	79 HP G	11,936	13.36			0.62	1.28	8.41	15			
5900	MOD 6E4A 1100 GPM @ 20' HEAD	60 HP D	17,205	7.39			0.90	1.85	2.99	24			
5905	MOD 8FA3 2320 GPM @ 20' HEAD	70 HP D	22,075	9.01			1.15	2.38	3.49	23			
5910	MOD 10FA61 2775 GPM @ 20' HEAD	68 HP D	23,484	9.14			1.23	2.53	3.39	30			
PUMPS, WATER, CENTRIFUGAL, TRASH *****													
HOMELITE - SKID MOUNTED													
5920	MOD 121TP 2" - 11500 GPH @ 20' H	5 HP G	976	0.88			0.05	0.10	0.53	1			
5925	MOD 120 3" - 23000 GPH @ 20' H	8 HP G	1,338	1.37			0.07	0.14	0.85	2			
5930	MOD 160TP 4" - 36500 GPH @ 20' H	16 HP G	2,744	2.77			0.14	0.29	1.70	4			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			GWT			
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
PUMPS, WATER, DIAPHRAGM *****												
HOMELITE - SKID MOUNTED												
5940	MOD 111DP 2" - 1900 GPH @ 10' HD	3 HP G	1,219	0.65		0.06	0.13	0.32	1			
5945	MOD 111DP 3" - 4800 GPH @ 10' HD	3 HP G	1,367	0.68		0.08	0.15	0.32	2			
PUMPS, WATER, SUBMERSIBLE *****												
GORMAN-RUPP												
5955	MOD S2A1 2" - 138 GPM @ 20' HD	2 HP E	1,657	0.37		0.09	0.18	0.08	2			
5960	MOD S3A1 3" - 278GPM @ 20' HD	5 HP E	2,368	0.65		0.13	0.26	0.20	3			
5965	MOD S4A1 4" - 860 GPM @ 40' HD	25 HP E	8,418	2.72		0.44	0.90	1.01	12			
5970	MOD S6A1 6" - 1950 GPM @ 40' HD	60 HP E	10,962	5.15		0.57	1.18	2.43	14			
HOMELITE												
5980	MOD SP200 2" - 13000 GPH @ 10' HD	2 HP E	1,340	0.31		0.07	0.14	0.08	1			
5985	MOD SP300 3" - 19000 GPH @ 15' HD	4 HP E	1,655	0.48		0.09	0.18	0.16	1			
RIPPER & HYDRAULIC BANK SLOPER *****												
(DOES NOT INCLUDE COST OF POINT WEAR)												
ATECO												
5995	LPAF-D8K PARALLEL LIFT		25,558	6.04	8.19	1.49	3.40	0.00	4.28			
6000	D-8K SHANKS EA		2,035	0.47	0.64	0.12	0.27	0.00	0.34			
6005	LPAF-D7G PARALLEL LIFT		18,935	4.48	6.07	1.10	2.52	0.00	3.17			
6010	D-7G SHANKS EA		893	0.21	0.28	0.05	0.12	0.00	0.15			
6015	V-LPRF-TD25E PARALLEL LIFT STD SVC		22,049	5.22	7.09	1.28	2.93	0.00	3.70			
6020	TD-25C SHANKS EA		1,984	0.47	0.63	0.12	0.27	0.00	0.33			
6025	V-LPRF-TD20E PARALLEL LIFT STD SVC		15,775	3.75	5.07	0.92	2.10	0.00	2.64			
6030	TD-20E SHANKS EA		1,259	0.30	0.40	0.07	0.17	0.00	0.21			
6035	PS-TD15C RADIAL LIFT		9,158	2.20	2.99	0.53	1.21	0.00	1.54			
6040	TD-15C SHANKS EA		495	0.12	0.16	0.03	0.07	0.00	0.09			
6045	V-LPRF 82-50 PARALLEL LIFT STD SVC		24,575	5.79	7.86	1.43	3.27	0.00	4.12			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL	OWNERSHIP	
RIPPER & HYDR BANK SLOPER (CONT'D) ***** (DOES NOT INCLUDE COST OF POINT WEAR)										
	ATECO (CONT'D)									
6050	82-50 SHANKS EA	1,984	0.47	0.63	0.12	0.27	0.00	0.33	0.00	8
6055	V-LPRF-82-30B PARALLEL LIFT	21,803	5.15	6.98	1.27	2.90	0.00	3.65	0.00	89
6060	82-30 SHANKS EA	2,659	0.62	0.84	0.16	0.36	0.00	0.44	0.00	8
6065	HBS-HYDR BANK SLOPER 260-475 HP	9,504	1.91	2.41	0.50	1.07	0.00	1.27	0.00	28
	CATERPILLAR									
6075	D-10 MULTI-SHANK BEAM	53,636	12.69	17.21	3.12	7.14	0.00	8.99	0.00	218
6080	D-10 SHANKS EA	3,900	0.91	1.23	0.23	0.52	0.00	0.65	0.00	15
6085	D-10 SINGLE-SHANK BEAM	56,881	13.43	18.23	3.31	7.57	0.00	9.54	0.00	209
6090	D-9L MULTI-SHANK BEAM W/HYD-CONTROL	45,251	10.68	14.50	2.63	6.02	0.00	7.59	0.00	162
6095	D-9L SHANKS EA	3,512	0.82	1.11	0.21	0.47	0.00	0.59	0.00	14
6100	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK	42,168	9.96	13.52	2.45	5.61	0.00	7.07	0.00	156
6105	D-8L MULTI-SHANK BEAM HYD-CONTROL	30,419	7.17	9.74	1.77	4.05	0.00	5.10	0.00	98
6110	D-8L SHANKS EA	1,966	0.47	0.62	0.12	0.27	0.00	0.33	0.00	7
6115	D-8L SINGLE-SHANK BEAM HYD-CNTL&SHANK	29,631	6.99	9.49	1.72	3.94	0.00	4.97	0.00	101
6120	D-7G MULTI-SHANK BEAM HYD-CONTROL	17,019	4.03	5.48	0.99	2.26	0.00	2.86	0.00	57
6125	D-7G SHANKS EA	1,011	0.23	0.31	0.06	0.13	0.00	0.16	0.00	3
6130	D-6D MULTI-SHANK BEAM HYD-CONTROL	10,628	2.55	3.45	0.62	1.41	0.00	1.79	0.00	34
6135	D-6D SHANKS EA	509	0.12	0.17	0.03	0.07	0.00	0.09	0.00	1
6140	D-4E MULTI-SHANK BEAM HYD-CONTROL	6,576	1.61	2.17	0.39	0.88	0.00	1.11	0.00	22
6145	D-4E SHANKS EA	280	0.07	0.09	0.02	0.04	0.00	0.05	0.00	1
6150	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,786	0.73	0.97	0.16	0.37	0.00	0.47	0.00	7
6155	D-3B SHANKS EA	153	0.05	0.05	0.02	0.03	0.00	0.03	0.00	1
	FLAT-ALLIS									
6165	FD-50 W/HYD-CNTL AND 1 SHANK	57,746	13.71	18.57	3.36	7.69	0.00	9.68	0.00	280
6170	FD-40 W/HYD-CNTL AND 2 SHANKS	45,641	10.81	14.66	2.65	6.07	0.00	7.65	0.00	200

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	
					AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	
	RIPPER & HYDR BANK SLOPER (CONT'D) ***** (DOES NOT INCLUDE COST OF POINT WEAR)									
	FIAT-ALLIS (CONT'D)									
6175	FD-30 W/HYD-CNIL AND 2 SHANKS	34,086	8.03	10.89	1.98	4.54	0.00	5.71	0.00	108
6180	RP20B W/HYD-CNIL AND 3 SHANKS	21,401	5.07	6.87	1.25	2.85	0.00	3.59	0.00	88
	ROLLER, RUBBER TIRED, SELF-PROPELLED *****									
	FERGUSON									
6190	MOD SP-912	12 TON	85 HP D	40,218	11.73		2.08	4.40	3.04	99
6195	MOD SP-915	15 TON	85 HP D	44,660	12.60		2.32	4.89	3.04	135
6200	MOD SP-1118	18 TON	85 HP D	51,540	13.96		2.67	5.64	3.04	124
6205	MOD SP-1130	30 TON	125 HP D	82,589	22.02		4.26	8.92	4.46	242
	INGRAM									
6215	9-2800-P	12 TON	76 HP D	35,047	10.31		1.81	3.82	2.71	73
6220	9-2800-PA	12 TON	76 HP D	37,759	10.84		1.95	4.12	2.71	86
6225	9-3400-P	15 TON	78 HP D	38,722	11.13		2.00	4.23	2.79	97
6230	11-2700	15 TON	107 HP G	37,280	17.64		1.93	4.06	8.26	89
6235	11-2700	15 TON	76 HP D	41,439	11.56		2.14	4.51	2.71	91
6240	13-2300	15 TON	107 HP G	38,908	17.98		2.01	4.22	8.26	86
6245	13-2300	15 TON	76 HP D	43,101	11.92		2.23	4.69	2.71	90
6250	9-6000	27 TON	117 HP D	94,384	24.04		4.84	10.12	4.18	205
	TAMPO									
6260	SP-312	12 TON	68 HP D	38,097	10.55		1.97	4.16	2.43	66
6265	SP-518	15 TON	68 HP D	47,343	12.39		2.46	5.18	2.43	95
6270	SP-950	27 TON	130 HP D	97,676	25.22		5.02	10.52	4.64	198
6275	SP-1070 M	35 TON	130 HP D	117,353	29.63		5.93	12.22	4.64	258

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				GWT			
			CONDITION	STAND BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
ROLLER, RUBBER TIRED, TOWED												

FERGUSON												
6285	RT-100S	50 TON	65,431	12.73	3.09	5.92	0.00		200			
6290	RT-120S	60 TON	76,996	15.65	3.84	7.81	0.00		218			
SOUTHWEST												
6300	C 50	50 TON	78,818	15.51	3.79	7.46	0.00		344			
6305	C 75	75 TON	88,554	17.38	4.19	8.08	0.00		408			
6310	C 100XL	100 TON	120,013	23.76	5.84	11.58	0.00		601			
TAMPO												
6320	R-13	14 TON	9,842	2.03	0.49	0.99	0.00		35			
ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED												

FERGUSON												
6330	MOD 112	40"X48" 3-7 TON	14,057	2.89	0.74	1.56	0.00		65			
6335	MOD 112W	40"X48" 4.5-8 TON	17,950	3.67	0.94	2.00	0.00		91			
6340	MOD 112W-48	48"X48" 5-10 TON	18,601	3.79	0.98	2.07	0.00		105			
6345	MOD 120	60"X60" 8-18 TON	27,851	5.61	1.46	3.10	0.00		157			
6350	MOD 120 MOD	60"X60" 8-18 TON	42,513	8.48	2.23	4.73	0.00		230			
6355	MOD 120-RE	60"X60" 16-20 TON	62,887	12.47	3.29	6.99	0.00		327			
6360	MOD 22	60"X72" 16-20 TON	41,905	8.37	2.19	4.66	0.00		215			
6365	MOD 22 MOD	60"X72" 16-20 TON	48,512	9.65	2.53	5.39	0.00		269			
6370	MOD 144-RE	60"X72" 19-24 TON	74,023	14.66	3.87	8.23	0.00		385			
TAMPO												
6380	H-1 TF	40"X48" 2.6TON	6,245	1.37	0.32	0.69	0.00		32			
6385	H-2 TF	40"X48" 5 TON	12,614	2.62	0.66	1.40	0.00		63			

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

UNIT NO.	EQUIPMENT	FUEL	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				GWT					
			CONDITION	STAND BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL						
					AVERAGE	SEVERE	OWNER-SHIP	FUEL						
ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED *****														
CATERPILLAR														
6395	815 B	40.5"X38"	210 HP D	160,843	40.85		8.41	17.88	7.50	420				
6400	825C	51"X44"	310 HP D	240,662	60.94		12.59	26.76	11.07	633				
6405	825C	W/S BLADE	310 HP D	254,194	63.60		13.29	28.27	11.07	684				
HYSTER														
6415	C455-B TANDEM	80"X80" ARTIC	330 HP D	256,399	64.93		13.42	28.52	11.79	573				
ROLLER, SMOOTH WHEEL, SELF-PROPELLED *****														
FERGUSON														
6425	3-5 TON	TANDEM	52 HP D	27,144	7.64		1.42	3.02	1.86	77				
6430	4-6 TON	TANDEM	52 HP D	32,424	8.68		1.70	3.61	1.86	96				
6435	5-8 TON	TANDEM	85 HP D	49,434	13.46		2.58	5.49	3.04	136				
6440	8-10 TON	TANDEM	85 HP D	51,963	13.97		2.72	5.78	3.04	174				
6445	8-12 TON	TANDEM	85 HP D	54,231	14.41		2.84	6.03	3.04	176				
6450	10-14 TON	TANDEM	85 HP D	56,845	14.92		2.98	6.32	3.04	219				
INGRAM														
6460	12 TON EB 3 WHEEL 3" OVERLAP	107 HP G	54,470	20.93		2.85	6.06	8.26	194					
6465	12 TON EB 3 WHEEL 3" OVERLAP	85 HP D	58,337	15.22		3.06	6.49	3.04	196					
6470	14 TON EB 3 WHEEL 3" OVERLAP	107 HP G	57,918	21.60		3.03	6.44	8.26	221					
6475	14 TON EB 3 WHEEL 3" OVERLAP	85 HP D	61,784	15.89		3.23	6.87	3.04	223					
6480	4-6 TON FB 2 WHEEL	TANDEM	54 HP G	26,624	10.39		1.39	2.96	4.17	82				
6485	6-9 TON GB 2 WHEEL	TANDEM	107 HP G	36,322	17.37		1.90	4.04	8.26	133				
6490	6-9 TON GB 2 WHEEL	TANDEM	85 HP D	40,189	11.65		2.10	4.47	3.04	135				
6495	8-12 TON HB 2 WHEEL	TANDEM	107 HP G	44,146	18.90		2.31	4.91	8.26	171				
6500	8-12 TON HB 2 WHEEL	TANDEM	85 HP D	48,014	13.19		2.51	5.34	3.04	173				
6505	10-14 TON HB 2 WHEEL	TANDEM	107 HP G	47,794	19.61		2.50	5.31	8.26	203				
6510	10-14 TON HB 2 WHEEL	TANDEM	85 HP D	51,661	13.91		2.71	5.75	3.04	205				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	ROLLER, VIBRATORY, SINGLE DRUM, TOWED *****									
	TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
6520	CK-11 40HZ 30"X55" 5 TON 18 HP G	13,274	6.03			0.77	1.74	1.92		31
6525	CF-11 40HZ TF 30"X55" 5 TON 18 HP G	16,196	6.81			0.94	2.13	1.92		32
6530	CH-47 27HZ 47"X74" 13 TON 43 HP D	34,821	12.03			2.02	4.58	2.14		130
6535	CF-47 27HZ TF 47"X74" 13 TON 43 HP D	38,093	12.90			2.21	5.01	2.14		135
6540	CK-51 25HZ 59"X83" 24 TON 95 HP D	53,517	20.39			3.10	7.04	4.73		221
6545	CF-51 25HZ TF 59"X83" 24 TON 95 HP D	56,376	21.13			3.26	7.41	4.73		226
	PERGUSON									
6555	65 25HZ TF 60"X72" 11 TON 49 HP D	37,221	13.05			2.15	4.89	2.44		110
6560	65T 30HZ TF 44"X72" 11 TON 49 HP D	40,537	13.94			2.36	5.34	2.44		127
6565	230 25HZ 66"X78" 20 TON 77 HP D	65,530	22.39			3.80	8.62	3.84		237
6570	230T 25HZ TF 66"X78" 21 TON 77 HP D	71,044	23.86			4.13	9.36	3.84		268
	HYSTER									
6580	C200B 30HZ 48"X60" 9 TON 39 HP D	25,356	9.27			1.47	3.34	1.94		80
6585	C210A 30HZ TF 58"X60" 9 TON 39 HP D	31,079	10.78			1.80	4.09	1.94		100
	RAYGO									
6595	SF-54A TF 38HZ 30"X54" 7.5TON 30 HP D	19,181	7.04			1.11	2.52	1.49		48
6600	SM-54A 38HZ 30"X54" 7.5TON 30 HP D	17,440	6.58			1.01	2.29	1.49		48
	SOUTHWEST									
6610	756 25HZ TF 66"X78"23.5TON 75 HP D	80,488	26.22			4.67	10.59	3.74		240
6615	566 33HZ TF 56"X72"25.5TON 50 HP D	61,570	19.56			3.57	8.10	2.49		165

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
ROLLER, VIB, SINGLE DRUM, SELF-PROPELLED *****														
TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
DYNAPAC														
6630	CA-15	29HZ	48"X66"	11 TON	73 HP	D	60,347	20.80	3.48	7.86	3.64	132		
6635	CA-15A	42HZ	48"X66"	12 TON	85 HP	D	69,585	24.13	3.97	8.87	4.23	144		
6640	CA-15PD	29HZ	TF 53"X66"	13 TON	85 HP	D	79,513	26.66	4.59	10.39	4.23	157		
6645	CA-25A	40HZ	60"X84"	18 TON	125 HP	D	89,316	31.95	5.12	11.51	6.23	200		
6650	CA-25	28HZ	60"X84"	18 TON	125 HP	D	83,396	30.37	4.78	10.76	6.23	200		
6655	CA-25S	28HZ	61"X84"	22 TON	125 HP	D	89,815	32.06	5.15	11.60	6.23	225		
6660	CA-25PD	28HZ	68"X84"	22 TON	125 HP	D	103,150	35.59	5.93	13.36	6.23	248		
6665	CA-30	28HZ	61"X84"	22 TON	125 HP	D	92,278	32.72	5.30	11.93	6.23	242		
6670	CA-30D	28HZ	61"X84"	22 TON	125 HP	D	99,846	34.71	5.74	12.92	6.23	252		
FERGUSON														
6680	SP 266A	42HZ	48"X66"	15 TON	125 HP	D	87,128	31.25	5.05	11.46	6.23	225		
6685	SP 75	30HZ	60"X84"	22.5 TON	85 HP	D	71,911	24.70	4.11	9.24	4.23	191		
6690	SP 75D	30HZ	60"X84"	22.5 TON	120 HP	D	76,238	28.15	4.37	9.82	5.98	193		
6695	SP 75DT	30HZ	TF 60"X84"	22.5 TON	120 HP	D	86,802	30.93	4.98	11.20	5.98	236		
INGERSOLL RAND														
6705	SPF-56	30HZ	TF 56"X84"	21 TON	115 HP	D	92,220	32.04	5.29	11.92	5.73	222		
6710	SP-60DD	25HZ	60"X100"	30 TON	203 HP	D	135,785	49.47	7.76	17.43	10.11	377		
RAYGO														
6720	RASCAL	220A	30HZ	TF38"X48"	6 TON	70 HP	D	55,788	19.38	3.23	7.30	3.49	97	
6725	RASCAL	303A	38HZ	48"X66"	8 TON	70 HP	D	56,044	19.46	3.22	7.28	3.49	137	
6730	RASCAL	320A	25HZ	TF48"X60"	8 TON	80 HP	D	74,428	24.97	4.30	9.73	3.99	151	
6735	RASCAL	320S	25HZ	48"X60"	8 TON	80 HP	D	64,493	22.37	3.72	8.40	3.99	144	
6740	RUSTLER	304A	28HZ	48"X66"	8 TON	70 HP	D	63,099	21.43	3.59	8.01	3.49	130	
6745	RUSTLER	404B	28HZ	59"X84"	13.5TON	88 HP	D	84,274	28.15	4.84	10.90	4.38	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	SEVERE	OWNERSHIP	AVERAGE 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)												
6750	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	97,677	33.76		5.62	12.66	5.93		225			
6755	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	78,531	29.08		4.50	10.12	6.23		224			
6760	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	114,545	38.23		6.58	14.83	5.93		358			
6765	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	99,632	34.28		5.71	12.86	5.93		316			
6770	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	85,714	31.04		4.89	10.96	6.23		263			
TAMPO												
6780	RS-16A 26HZ 48"X24" 7.5TON 68 HP D	64,794	21.75		3.69	8.24	3.39		124			
6785	RS-16 26HZ 48"X24" 8 TON 68 HP D	57,209	19.63		3.29	7.44	3.39		115			
6790	RS-16D 26HZ 48"X24" 8 TON 80 HP D	66,946	23.01		3.86	8.73	3.99		123			
6795	RH-16A 26HZ 48"X24" 9 TON 75 HP D	73,653	24.54		4.19	9.39	3.74		153			
6800	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	73,003	24.60		4.21	9.52	3.99		127			
6805	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	96,383	32.80		5.53	12.46	5.48		212			
6810	RS-28C 25HZ 60"X84" 15 TON 107 HP D	80,368	28.39		4.61	10.36	5.33		202			
6815	RS-28D 25HZ 60"X84" 15 TON 107 HP D	86,797	30.08		4.98	11.20	5.33		208			
6820	RH-28D 28HZ 60"X84"22.5TON 110 HP D	110,152	36.45		6.33	14.28	5.48		259			
ROLLER, VIB, DOUBLE DRUM, SELF-PROPELLED												
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS												
DYNAPAC												
6830	LR-50 60HZ TANDEM 2 TON 16 HP D	11,364	4.07		0.66	1.50	0.80		25			
6835	CC-10 50HZ TANDEM 2 TON 34 HP D	29,889	10.13		1.73	3.93	1.69		50			
6840	CC-21 50HZ TANDEM 4 TON 71 HP D	70,663	23.35		4.10	9.30	3.54		137			
6845	CC-42II 42HZ TANDEM 12 TON 125 HP D	95,039	33.35		5.51	12.51	6.23		200			
6850	CC-50A 40HZ TANDEM 18 TON 155 HP D	114,482	40.46		6.64	15.07	7.72		310			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL					
			AVERAGE	SEVERE										
ROLLER, VIBRATORY, DD, S/P (CONT'D)														
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
DYNAPAC (CONT'D)														
6855	CC-50S 28HZ TANDEM	22 TON 181 HP D	138,140	48.43		8.01	18.18	9.02		342				
6860	CC-50PD 28HZ TF TANDEM	22 TON 181 HP D	160,341	54.30		9.30	21.10	9.02		419				
RAYGO														
6870	REBEL 1-36 40HZ TANDEM	2 TON 16 HP D	10,880	3.93		0.63	1.43	0.80		23				
6875	ROMPER 2-36 40HZ TANDEM	4 TON 35 HP D	24,893	8.87		1.44	3.27	1.74		40				
6880	RUSTLER 5604A 50HZ TANDEM	5.5TON 70 HP D	64,967	21.79		3.77	8.55	3.49		132				
6885	RUSTLER 7204A 38HZ TANDEM	8 TON 115 HP D	86,881	30.52		5.03	11.43	5.73		250				
6890	RANGER 2-66 38HZ TANDEM	8 TON 119 HP D	115,241	38.29		6.68	15.16	5.93		215				
TAMPO														
6900	RS-03 60HZ 36"X24"	2 TON 14 HP G	11,203	4.93		0.65	1.47	1.49		23				
6905	RS-144A 50HZ 42"X48"	8 TON 52 HP D	57,825	18.71		3.35	7.61	2.59		100				
6910	RS-166A 36HZ 48"X66"	16 TON 80 HP D	86,616	28.17		5.03	11.40	3.99		200				
6915	RS-188A 36HZ 60"X84"	30 TON 156 HP D	109,349	39.18		6.35	14.40	7.77		320				
6920	RH-199 25HZ 60"X96"	45 TON 262 HP D	192,978	68.25		11.19	25.40	13.05		491				
SCRAPERS, SELF-PROPELLED														
***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)														
CATERPILLAR														
6930	613-B 13 T 11 CY P.S.	150 HP D	126,779	33.59	43.58	6.45	13.42	5.50	15.84	7.19				
6935	615 19 T 14-16 CY P.S.	250 HP D	210,233	54.67	71.55	10.67	22.82	9.16	27.03	11.98				
6940	621-B 24 T 14-20 CY P.S.	330 HP D	265,800	66.40	86.79	13.54	29.03	10.86	34.41	14.27				
6945	623-B 25 T 22 CY P.S.	330 HP D	295,334	75.19	98.05	15.04	32.27	12.10	38.25	15.82				
6950	627-B 24 T 14-20 CY P.S. 225/225 HP D/D		304,528	82.65	108.87	15.57	33.51	15.65	39.74	20.30				
6955	627-B PP 24 T 14-20 CY P.S. 225/225 HP D/D		323,320	86.09	113.16	16.56	35.69	15.65	42.33	20.30				
										776				

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														
SCRAPERS, SELF-PROPELLED (CONT'D)																		
***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)																		
CATERPILLAR (CONT'D)																		
6960	631-D	37.5T 21-31 CY P.S.	450 HP D	406,846	99.03	129.31	20.73	44.50	14.80	52.77	19.46	934						
6965	633-D	37.5T 34 CY P.S.	450 HP D	463,445	113.60	147.46	23.71	51.05	16.50	60.55	21.57	1042						
6970	637-D	37.5T 21-31 CY P.S.	450/250 HP D/D	499,317	132.77	174.25	25.59	55.21	24.35	65.49	31.58	1053						
6975	637-D PP	37.5T 21-31 CY P.S.	450/250 HP D/D	520,864	136.72	179.18	26.73	57.71	24.35	68.46	31.58	1077						
6980	639-D	37.5T 24-34 CY P.S.	450/250 HP D/D	573,780	148.98	196.19	29.36	63.21	24.35	74.96	31.58	1223						
6985	651-E	52 T 32-44 CY P.S.	550 HP D	532,632	128.28	167.67	27.11	58.14	18.09	68.92	23.78	1308						
6990	657-E	52 T 32-44 CY P.S.	550/400 HP D/D	649,604	175.04	230.09	33.26	71.68	33.04	85.03	42.86	1516						
FLAT-ALLIS																		
7005	161	18.7 T 15 CY P.S.	229 HP D	180,509	47.16	61.41	9.20	19.77	8.40	23.44	10.98	466						
7010	260B	25.0 T 15-21 CY P.S.	325 HP D	238,611	61.00	79.82	12.13	26.00	10.69	30.82	14.05	585						
7015	261B	26.5 T 23 CY P.S.	325 HP D	267,886	68.85	89.44	13.71	29.50	11.91	34.99	15.58	635						
7020	262B	25.0 T 15-21 CY P.S.	325/171 HP D/D	288,008	80.72	105.94	14.76	31.83	17.25	37.76	22.38	679						
7025	263-B	26.5 T 23 CY P.S.	325/171 HP D/D	343,482	91.35	119.51	17.65	38.14	17.25	45.25	22.38	742						
INTERNATIONAL																		
7035	412B	13 T 11 CY P.S.	125 HP D	130,858	32.82	42.39	6.69	13.97	4.58	16.50	5.99	335						
7040	431B	24 T 14-21 CY P.S.	326 HP D	254,911	64.29	84.14	12.97	27.77	10.73	32.91	14.10	609						
7045	433B	24 T 14-21 CY P.S.	326/185 HP D/D	298,963	84.29	111.06	15.27	32.86	17.77	38.97	23.06	700						
7050	442B	25 T 22 CY P.S.	326 HP D	284,931	72.62	94.56	14.54	31.24	11.95	37.05	15.63	680						
JOHN DEERE																		
7060	JD762A	13.7 T 11 CY P.S.	175 HP D	134,035	35.99	46.50	6.85	14.32	6.42	16.92	8.39	355						
7065	JD862	20.0 T 16 CY P.S.	250 HP D	181,579	48.36	62.99	9.27	19.90	9.16	23.59	11.98	492						

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT				
			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)														
7075	S-23E	26.5T	23 CY P.S.	310 HP D	261,058	67.48	88.09	13.29	28.48	11.36	33.75	14.86	660	
7080	S-24B	40.8T	24-34 CY P.S.	475 HP D	414,637	102.59	134.49	21.05	45.01	15.63	53.34	20.54	955	
7085	TS-14B	23.5T	14-20 CY P.S.	144/144 HP D/D	266,952	67.76	89.32	13.66	29.39	10.02	34.85	12.99	544	
7090	TS-24	40 T	24-32 CY P.S.	394/225 HP D/D	451,069	120.07	158.07	23.07	49.69	21.53	58.94	27.93	960	
7095	TS-24B	40.8T	24-34 CY P.S.	475/242 HP D/D	530,808	140.90	185.53	27.15	58.46	24.94	69.33	32.35	1084	
SCRAPER, TRACTOR DRAWN														

ROME														
7110	R67H	18T	12-17CY HYDR/CONTROL		76,709	13.12	15.81	3.59	6.99	0.00	7.93	0.00	235	
7115	R89H	27T	18-26CY HYDR/CONTROL		100,869	17.58	21.27	4.65	8.92	0.00	10.11	0.00	365	
SOUTHWEST-HUME														
7125	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY				39,315	6.79	8.20	1.82	3.51	0.00	3.98	0.00	137	
SOIL STABILIZER														

BOMAG														
7135	MOD MPH-50	12"DEEP BY 82"WIDE	152 HP D		97,104	26.12	34.03	5.04	10.66	5.57	12.62	7.29	208	
7140	MOD MPH-100	14.5"DEEP X 79"WIDE	304 HP D		156,161	45.34	59.39	8.06	17.00	11.14	20.10	14.57	300	
BROS														
7150	MOD LSPRM-8A	MASTER MIXER	19" DP	335 HP D	142,031	42.89	55.51	7.40	15.72	12.28	18.61	16.06	300	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
TRACTOR, CRAWLER (DOZER) *****																			
CATERPILLAR																			
7160	D-3B P.S.	65 HP D	38,993	11.89	15.28	2.03	4.22	2.51	4.98	3.30	136								
7165	3P POWER ANGLE & POWER TILT		9,171	1.84	2.33	0.48	1.03	0.00	1.22	0.00	26								
7170	D-4E P.S.	80 HP D	56,881	16.57	21.27	2.97	6.16	3.08	7.27	4.06	202								
7175	4A ANGLE BLADE HYDRAULIC		10,894	2.17	2.75	0.57	1.22	0.00	1.45	0.00	28								
7180	4S STRAIGHT BLADE HYDRAULIC		8,585	1.73	2.18	0.45	0.97	0.00	1.14	0.00	25								
7185	D-5B P.S.	105 HP D	87,312	24.52	31.42	4.56	9.46	4.05	11.15	5.33	247								
7190	5A ANGLE BLADE HYDRAULIC		14,496	2.86	3.63	0.76	1.63	0.00	1.93	0.00	43								
7195	5S STRAIGHT BLADE HYDRAULIC		11,536	2.29	2.90	0.60	1.29	0.00	1.53	0.00	38								
7200	WINCH (W/O CABLE)		15,805	3.11	3.95	0.83	1.77	0.00	2.10	0.00	22								
7205	D-6D P.S.	140 HP D	121,787	33.85	43.39	6.35	13.19	5.40	15.56	7.11	299								
7210	6S STRAIGHT BLADE HYDRAULIC		15,224	3.00	3.80	0.80	1.71	0.00	2.02	0.00	49								
7215	6A ANGLE BLADE HYDRAULIC		17,038	3.35	4.26	0.89	1.91	0.00	2.27	0.00	53								
7220	WINCH (W/O CABLE)		17,211	3.39	4.29	0.91	1.94	0.00	2.29	0.00	25								
7225	D-7G P.S.	200 HP D	169,854	47.46	60.83	8.86	18.40	7.71	21.70	10.15	378								
7230	7S STRAIGHT BLADE HYDRAULIC		22,606	4.42	5.62	1.18	2.54	0.00	3.01	0.00	77								
7235	7U HYD. UNIVERSAL BLADE		24,751	4.83	6.14	1.30	2.78	0.00	3.29	0.00	84								
7240	7A ANGLE BLADE HYDRAULIC		19,675	3.85	4.90	1.03	2.21	0.00	2.62	0.00	68								
7245	WINCH (W/O CABLE)		19,998	3.94	5.00	1.05	2.25	0.00	2.66	0.00	30								
7250	D-8L P.S.	335 HP D	260,594	69.12	88.81	13.65	29.27	12.91	34.67	17.00	735								
7255	8S STRAIGHT BLADE HYDRAULIC		33,232	6.50	8.26	1.75	3.74	0.00	4.42	0.00	120								
7260	8U HYD. UNIVERSAL BLADE		36,607	7.16	9.09	1.92	4.12	0.00	4.87	0.00	133								
7265	8A ANGLE BLADE HYDRAULIC		33,057	6.47	8.23	1.73	3.71	0.00	4.40	0.00	133								
7270	PUSH PLATE USE W/8S		980	0.24	0.29	0.05	0.11	0.00	0.13	0.00	6								
7275	WINCH (W/O CABLE)		25,933	5.12	6.50	1.36	2.91	0.00	3.45	0.00	47								
7280	D-9L P.S.	460 HP D	347,843	83.26	103.98	16.88	35.34	17.73	40.45	23.35	1004								
7285	9S STRAIGHT BLADE HYDRAULIC		45,565	8.92	11.34	2.39	5.12	0.00	6.06	0.00	184								
7290	9U HYD. UNIVERSAL BLADE		48,153	9.43	11.99	2.52	5.41	0.00	6.41	0.00	195								

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				
TRACTOR, CRAWLER (DOZER) (CONT'D) *****												
CATERPILLAR (CONT'D)												
7295	9C CUSHION BLADE	40,122	7.86	9.99	2.10	4.51	0.00	5.34	0.00 160			
7300	REAR CUSHION PUSH BLOCK	11,809	2.38	3.01	0.62	1.32	0.00	1.57	0.00 41			
7305	FRONT PUSH PLATE	1,325	0.34	0.40	0.07	0.15	0.00	0.17	0.00 9			
7310	WINCH (W/O CABLE)	28,105	5.60	7.08	1.47	3.16	0.00	3.74	0.00 51			
7315	D-10 P.S. 700 HP D	584,058	136.33	170.06	28.33	59.33	26.98	67.93	35.53 1539			
7320	10S STRAIGHT BLADE HYDRAULIC	68,773	13.48	17.12	3.61	7.73	0.00	9.15	0.00 280			
7325	10U HYD. UNIVERSAL BLADE	75,423	14.76	18.76	3.95	8.47	0.00	10.03	0.00 286			
7330	FRONT PUSH PLATE	1,505	0.37	0.45	0.08	0.17	0.00	0.20	0.00 8			
7335	10C CUSHION BLADE	51,195	10.02	12.74	2.68	5.75	0.00	6.81	0.00 198			
FIAT-ALLIS												
7345	FD5 P.S. W/HYD. ANGLE TILT BLADE 63 HP D	47,882	13.73	17.60	2.50	5.19	2.43	6.11	3.20 140			
7350	FD7 P.S. W/POW. ANGLE TILT BLADE 78 HP D	56,405	16.36	21.01	2.94	6.10	3.01	7.21	3.96 175			
7355	8-B P.S. 88 HP D	60,292	17.73	22.77	3.14	6.53	3.39	7.70	4.47 215			
7360	8-HA ANGLE BLADE HYDRAULIC	9,330	1.87	2.36	0.49	1.05	0.00	1.24	0.00 30			
7365	8-HSU SEMI-U BLADE HYDRAULIC	9,318	1.83	2.33	0.49	1.04	0.00	1.24	0.00 30			
7370	10-C P.S. 122 HP D	83,042	24.46	31.41	4.33	8.99	4.70	10.61	6.19 280			
7375	10-HA ANGLE BLADE HYDRAULIC	10,413	2.08	2.63	0.55	1.17	0.00	1.39	0.00 36			
7380	10-HSU SEMI-U BLADE HYDRAULIC	12,681	2.48	3.16	0.66	1.42	0.00	1.69	0.00 38			
7385	14-C P.S. 150 HP D	107,341	31.23	40.08	5.60	11.63	5.78	13.72	7.61 335			
7390	14-HA ANGLE BLADE HYDRAULIC	15,902	3.13	3.98	0.84	1.79	0.00	2.12	0.00 51			
7395	14-HSU SEMI-U BLADE HYDRAULIC	15,878	3.09	3.95	0.83	1.78	0.00	2.12	0.00 51			
7400	FD 20 P.S. 223 HP D	161,970	46.93	60.24	8.44	17.54	8.59	20.69	11.32 535			
7405	20-HA ANGLE BLADE HYDRAULIC	17,047	3.35	4.26	0.89	1.91	0.00	2.27	0.00 66			
7410	20-HS STRAIGHT BLADE HYDRAULIC	17,869	3.51	4.46	0.94	2.01	0.00	2.38	0.00 66			
7415	20-HSU SEMI-U BLADE HYDRAULIC	24,148	4.58	5.96	1.26	2.71	0.00	3.21	0.00 79			
7420	FD 30 P.S. 300 HP D	248,204	64.39	83.35	13.00	27.88	11.56	33.02	15.23 775			

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

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

FIAT-ALLIS (CONT'D)												
7425	30HSU HYD. SEMI-UNIVERSAL BLADE	33,802	6.60	8.40	1.77	3.79	0.00	4.50	0.00	127		
7430	30-HU FULL-U BLADE HYDRAULIC	34,156	6.66	8.46	1.79	3.84	0.00	4.54	0.00	114		
7435	FD40 P.S. 455 HP D	357,972	84.81	105.86	17.37	36.37	17.54	41.63	23.10	1128		
7440	40-HSU SEMI-U BLADE HYDRAULIC	51,416	10.09	12.82	2.70	5.78	0.00	6.85	0.00	222		
7445	40-HU FULL-U BLADE HYDRAULIC	52,510	10.33	13.11	2.75	5.90	0.00	6.99	0.00	254		
7450	40-HC CUSHION BLADE	32,655	6.39	8.11	1.71	3.67	0.00	4.34	0.00	120		
7455	FD 50 P.S. 525 HP D	480,375	109.71	136.67	23.30	48.80	20.23	55.86	26.65	1280		
7460	50-HSU SEMI-U BLADE HYDRAULIC	58,792	11.54	14.66	3.08	6.60	0.00	7.82	0.00	250		
7465	50-HU FULL-U BLADE HYDRAULIC	67,242	13.15	16.72	3.52	7.55	0.00	8.95	0.00	280		
7470	50-HC CUSHION BLADE	37,607	7.34	9.34	1.97	4.23	0.00	5.01	0.00	140		
INTERNATIONAL												
7480	TD-7-E P.S. W/HYD BLADE 65 HP D	50,343	14.37	18.43	2.62	5.45	2.51	6.43	3.30	139		
7485	TD-8-E P.S. W/HYD BLADE 78 HP D	64,251	18.08	23.18	3.35	6.96	3.01	8.21	3.96	172		
7490	TD-12 P.S. W/HYD BLADE 110 HP D	93,101	26.03	33.37	4.85	10.08	4.24	11.90	5.58	267		
7495	TD-15-C P.S. 140 HP D	118,411	33.12	42.46	6.18	12.83	5.40	15.13	7.11	271		
7500	15D-2 HYD. SEMI-UNIVERSAL BLADE	13,013	2.54	3.24	0.68	1.46	0.00	1.73	0.00	46		
7505	15G-2 ANGLE BLADE HYDRAULIC	14,655	2.86	3.64	0.76	1.64	0.00	1.95	0.00	50		
7510	TD-20-E P.S. 210 HP D	182,156	50.65	64.93	9.50	19.73	8.09	23.27	10.66	476		
7515	20D-2 HYD. SEMI-UNIVERSAL BLADE	22,835	4.43	5.64	1.20	2.56	0.00	3.04	0.00	61		
7520	20G-2 ANGLE BLADE HYDRAULIC	15,703	3.06	3.90	0.82	1.76	0.00	2.09	0.00	71		
7525	TD-25-E P.S. 310 HP D	234,077	62.53	80.38	12.26	26.29	11.95	31.14	15.74	700		
7530	25D-2 HYD. SEMI-UNIVERSAL BLADE	28,473	5.56	7.06	1.49	3.20	0.00	3.78	0.00	113		
7535	25G-2 ANGLE BLADE HYDRAULIC	23,715	4.68	5.93	1.25	2.67	0.00	3.16	0.00	115		
7540	FRONT PUSHER CUSHION	9,785	1.96	2.47	0.52	1.10	0.00	1.30	0.00	29		
7545	REAR PUSHER CUSHION	5,742	1.24	1.53	0.31	0.65	0.00	0.76	0.00	23		
7550	FRONT PUSH BLK FOR S/BLD	975	0.27	0.32	0.05	0.11	0.00	0.13	0.00	12		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) (CONT'D) *****														
JOHN DEERE														
7560	JD350C/6305 D.D. W/HYD BLADE	42 HP D	35,639	9.96	12.77	1.86	3.86	1.62	4.56	2.13	107			
7565	JD450C/6405 D.D. W/HYD BLADE	65 HP D	49,101	14.10	18.09	2.56	5.32	2.51	6.28	3.30	143			
7570	JD550A/6405 P.S. W/HYD BLADE	72 HP D	58,696	16.55	21.22	3.06	6.36	2.77	7.50	3.65	156			
7575	JD750 LPG H.S. W/STR BLADE	110 HP D	111,529	30.05	38.47	5.82	12.08	4.24	14.25	5.58	336			
7580	JD850 LPG H.S. W/STR BLADE	145 HP D	147,087	39.62	50.73	7.67	15.93	5.59	18.79	7.36	449			
KOMATSU														
7590	D31A-17 H.S.	66 HP D	41,221	12.44	15.98	2.15	4.47	2.54	5.27	3.35	132			
7595	ANGLE TILTDOZER BLADE		6,665	1.33	1.69	0.35	0.75	0.00	0.89	0.00	20			
7600	D45A-1 H.S.	90 HP D	61,871	18.19	23.34	3.23	6.70	3.47	7.90	4.57	200			
7605	ANGLE TILTDOZER BLADE		7,257	1.45	1.82	0.39	0.82	0.00	0.96	0.00	24			
7610	D53A-16A H.S.	118 HP D	89,706	25.72	32.99	4.68	9.72	4.55	11.46	5.99	246			
7615	ANGLE TILTDOZER BLADE		8,109	1.60	2.04	0.42	0.91	0.00	1.08	0.00	42			
7620	D65E-7 H.S.	165 HP D	126,395	36.16	46.40	6.59	13.69	6.36	16.15	8.38	377			
7625	ANGLE TILTDOZER BLADE		10,645	2.09	2.65	0.55	1.19	0.00	1.41	0.00	61			
7630	D85E-18 H.S.	220 HP D	167,059	47.89	61.44	8.71	18.09	8.48	21.34	11.17	437			
7635	ANGLE TILTDOZER BLADE		16,694	3.28	4.17	0.87	1.87	0.00	2.22	0.00	99			
7640	U-DOZER BLADE		17,797	3.52	4.46	0.94	2.00	0.00	2.37	0.00	104			
7645	D155A-1 H.S.	320 HP D	228,598	61.90	79.62	11.97	25.67	12.33	30.42	16.24	690			
7650	ANGLE TILTDOZER BLADE		22,951	4.54	5.76	1.20	2.57	0.00	3.05	0.00	140			
7655	U-DOZER BLADE		24,184	4.77	6.06	1.26	2.71	0.00	3.22	0.00	142			
7660	D355A-3 H.S.	410 HP D	304,871	81.73	105.09	15.96	34.23	15.80	40.56	20.81	945			
7665	U-DOZER BLADE		31,252	6.20	7.86	1.64	3.51	0.00	4.16	0.00	196			
7670	STRAIGHT DOZER BLADE		28,507	5.65	7.17	1.49	3.20	0.00	3.80	0.00	184			
7675	D455A-1 H.S.	620 HP D	539,040	124.57	155.29	26.15	54.76	23.89	62.68	31.47	1445			
7680	FULL U-DOZER BLADE		72,895	14.23	18.09	3.82	8.19	0.00	9.70	0.00	229			
7685	U-DOZER BLADE		68,470	13.35	16.98	3.59	7.69	0.00	9.11	0.00	211			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) (CONT'D) *****														
KOMATSU (CONT'D)														
7690	Straight Dozer Blade	64,044	12.47	15.87	3.35	7.19	0.00	8.52	0.00	193				
TEREX (GM)														
7700	D700A P.S. (W/O BLADE) 205 HP D	162,127	46.03	59.06	8.46	17.56	7.90	20.72	10.41	409				
7705	Semi-U Blade Hydraulic	16,157	3.15	4.01	0.84	1.81	0.00	2.15	0.00	58				
7710	Angle Blade Hydraulic	18,131	3.53	4.49	0.95	2.04	0.00	2.41	0.00	69				
7715	Full-U Blade Hydraulic	18,537	3.60	4.58	0.97	2.08	0.00	2.46	0.00	68				
7720	D750 P.S. (W/O BLADE) 260 HP D	188,792	50.92	65.48	9.88	21.20	10.02	25.12	13.20	555				
7725	Semi-U Blade Hydraulic	22,927	4.44	5.66	1.20	2.57	0.00	3.05	0.00	91				
7730	Angle Blade HYD. W/DUAL TILT	30,052	5.81	7.41	1.57	3.37	0.00	4.00	0.00	118				
7735	Full-U Blade Hydraulic	25,097	4.87	6.20	1.31	2.82	0.00	3.34	0.00	107				
7740	D800 P.S. (W/O BLADE) 350 HP D	251,934	68.10	87.58	13.19	28.29	13.49	33.53	17.77	787				
7745	Semi-U Blade Hydraulic	29,947	5.86	7.45	1.57	3.36	0.00	3.98	0.00	118				
7750	Full-U Blade Hydraulic	32,827	6.42	8.17	1.72	3.68	0.00	4.37	0.00	129				
7755	CUSHIONED PUSH BLADE	28,690	5.61	7.14	1.50	3.22	0.00	3.82	0.00	113				
7760	PUSH PLATE (WELD ON)	1,222	0.29	0.35	0.07	0.14	0.00	0.16	0.00	6				
7765	PUSH BLOCK (CUSHION REAR)	7,597	1.57	1.97	0.40	0.86	0.00	1.01	0.00	21				
TRACTOR, WHEEL TYPE (DOZER) *****														
CATERPILLAR														
7775	814-B ARTICULATED ST BLADE P.S. 210 HP D	160,956	39.46	52.18	8.25	17.26	7.50	20.39	9.87	465				
7780	824-C ARTICULATED ST BLADE P.S. 310 HP D	232,102	59.08	80.43	11.74	24.22	11.07	28.55	14.57	624				
7785	834-B ARTICULATED ST BLADE P.S. 450 HP D	343,864	84.57	113.74	17.30	35.55	16.07	41.91	21.15	892				
CLARK														
7795	280B ARTICULATED ST BLADE P.S. 302 HP D	263,317	64.73	88.19	13.31	27.48	10.79	32.41	14.19	749				
7800	380B ARTICULATED ST BLADE P.S. 572 HP D	445,777	108.82	145.82	22.49	46.31	20.43	54.59	26.88	1253				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT		
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP			
			AVERAGE	SEVERE							
TRACTOR, WHEEL TYPE (FARM) *****											
JOHN DEERE											
7810	MOD 301 A	43 HP D	14,459	4.65	6.12	0.74	1.55	1.54	1.82	2.02	38
7815	MOD 401 B	62 HP D	18,389	6.21	8.13	0.95	1.98	2.21	2.33	2.91	45
TRENCHER, CHAIN *****											
DITCH WITCH											
7825	MOD C99 6"X24" TRENCH	9 HP G	3,372	1.58	2.05	0.17	0.36	0.69	0.42	0.91	6
7830	MOD 2200 8"X36" TRENCH	18 HP G	13,767	4.61	5.93	0.72	1.52	1.39	1.80	1.81	30
7835	MOD 2300 10"X36" TRENCH	28 HP G	19,074	6.68	8.61	0.99	2.10	2.16	2.48	2.82	33
7840	MOD 6510 12"X54" TRENCH	64 HP D	35,205	10.17	13.14	1.82	3.84	2.29	4.55	3.01	106
7845	MOD R100 10"X72" TRENCH	105 HP D	71,714	19.54	25.18	3.72	7.88	3.75	9.32	4.93	176
VERMEER											
7860	MOD V-430 10"X40" TRENCH	24 HP D	23,353	5.88	7.58	1.22	2.58	0.86	3.06	1.13	37
7865	MOD M-455 18"X72" TRENCH	44 HP D	45,961	11.45	14.75	2.38	5.05	1.57	5.98	2.07	82
7870	MOD M-475 18"X72" TRENCH	55 HP D	50,785	12.94	16.65	2.64	5.59	1.96	6.62	2.58	89
7875	MOD T-600024"X96" TRENCH	113 HP D	80,852	21.66	27.85	4.23	9.04	4.04	10.71	5.31	202
7880	MOD T-800B36"X96" TRENCH	175 HP D	158,046	40.24	51.67	8.28	17.68	6.25	20.93	8.22	419
TRENCHER, WHEEL TYPE *****											
BARBER-GREENE											
7890	MOD TA 56 16"X5'-10" TRENCH	100 HP D	130,527	31.18	40.00	6.83	14.59	3.57	17.28	4.70	254
7895	MOD TA 65 28"X7'-6" TRENCH	160 HP D	190,174	46.10	59.15	9.95	21.27	5.72	25.19	7.52	431
7900	MOD TA 77 32"X8'-6" TRENCH	160 HP D	241,962	56.66	72.62	12.67	27.06	5.72	32.04	7.52	605
CLEVELAND											
7910	MOD 236 17"X72" TRENCH	67 HP D	104,953	24.47	31.35	5.49	11.74	2.39	13.90	3.15	180
7915	MOD 236HD 21"X72" TRENCH	67 HP D	114,296	26.38	33.78	5.99	12.79	2.39	15.13	3.15	200
7920	MOD 246 25"X72" TRENCH	67 HP D	117,751	27.07	34.69	6.17	13.17	2.39	15.60	3.15	206

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRENCHER, WHEEL TYPE (CONT'D) *****														
CLEVELAND (CONT'D)														
7925	MOD 350 30"X90" TRENCH	150 HP D	221,318	51.99	66.65	11.58	24.75	5.36	29.32	7.05	455			
7930	MOD 400WHD36"X114" TRENCH	175 HP D	274,809	64.04	82.07	14.38	30.73	6.25	36.40	8.22	659			
TRUCKS, HIGHWAY ***** (CHASSIS ONLY)														
FORD														
7945	F150 4X2 1/2T PKUP	6100 GVW 137 HP G	8,478	5.52	7.18	0.55	1.29	2.40	1.50	3.21	38			
7950	F150 4X4 1/2T PKUP	6250 GVW 137 HP G	10,490	6.11	7.93	0.68	1.61	2.40	1.86	3.21	42			
7955	F250 4X2 3/4T PKUP	6900 GVW 137 HP G	9,323	5.79	7.51	0.60	1.41	2.40	1.64	3.21	40			
7960	F250 4X4 3/4T PKUP	7400 GVW 137 HP G	10,954	6.28	8.14	0.71	1.67	2.40	1.93	3.21	44			
7965	F350 2AX	10000 GVW 137 HP G	9,968	6.04	7.82	0.64	1.49	2.40	1.72	3.21	42			
7970	F600 2AX	18500 GVW 154 HP G	17,364	12.06	15.75	0.96	2.05	6.31	2.55	8.11	65			
7975	F600 2AX	18500 GVW 162 HP D	23,837	10.04	13.34	1.33	2.86	3.86	3.57	5.01	65			
7980	F700 2AX	24500 GVW 177 HP G	20,015	13.82	18.07	1.11	2.38	7.25	2.96	9.32	65			
7985	F700 2AX	24500 GVW 162 HP D	26,926	10.68	14.21	1.51	3.25	3.86	4.06	5.01	73			
7990	F800 2AX	27000 GVW 177 HP G	22,062	14.29	18.70	1.23	2.62	7.25	3.26	9.32	72			
7995	F800 2AX	27000 GVW 162 HP D	28,222	11.23	14.93	1.55	3.28	3.86	4.09	5.01	76			
8000	LT800 3AX	43000 GVW 223 HP G	34,399	25.78	33.73	1.93	4.26	13.57	5.33	17.48	110			
8005	LT8000 3AX	44800 GVW 175 HP D	47,001	18.65	24.86	2.64	5.85	6.25	7.34	8.12	126			
8010	LTS8000 3AX	46000 GVW 175 HP D	49,180	19.12	25.50	2.76	6.12	6.25	7.68	8.12	130			
8015	LNT8000 3AX	46000 GVW 175 HP D	46,508	18.56	24.72	2.61	5.77	6.25	7.23	8.12	124			
8020	CT8000 3AX	46000 GVW 175 HP D	54,153	20.18	26.93	3.05	6.78	6.25	8.50	8.12	136			
8025	LT9000 3AX 58000 GVW	82000 GVW 239 HP D	71,256	26.98	36.03	4.01	8.91	8.53	11.17	11.09	172			
8030	LTS9000 3AX 60000 GVW	82000 GVW 239 HP D	75,677	27.97	37.37	4.26	9.45	8.53	11.86	11.09	180			
8035	LNT9000 3AX 60000 GVW	82000 GVW 239 HP D	71,819	27.16	36.24	4.04	8.94	8.53	11.21	11.09	175			
8040	CLT9000 3AX	82000 GVW 286 HP D	70,358	28.83	38.43	3.97	8.84	10.21	11.09	13.27	149			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL				
TRUCKS, HIGHWAY (CONT'D)													
(CHASSIS ONLY)													
GMC AND CHEVROLET													
8050	C10903	4X2 1/2T PKUP	6100 GW	165 HP G	8,540	6.18	8.05	0.55	1.29	2.90	1.50	3.86	46
8055	C10906	4X2 SUBURBAN	6800 GW	165 HP G	10,965	6.87	8.91	0.71	1.68	2.90	1.95	3.86	52
8060	K10906	4X4 SUBURBAN	7000 GW	165 HP G	12,057	7.20	9.33	0.79	1.86	2.90	2.15	3.86	56
8065	C20903	4X2 3/4T PKUP	8600 GW	165 HP G	10,133	6.64	8.62	0.66	1.55	2.90	1.80	3.86	49
8070	K20903	4X4 3/4T PKUP	6600 GW	165 HP G	11,768	7.14	9.23	0.77	1.81	2.90	2.10	3.86	54
8075	C30903	2AX	9000 GW	160 HP G	11,442	6.99	9.03	0.74	1.72	2.81	1.99	3.74	62
8080	C5D042	2AX	18500 GW	161 HP G	16,006	12.14	15.85	0.88	1.87	6.59	2.33	8.48	59
8085	C6D042	2AX	19200 GW	161 HP G	17,366	12.43	16.23	0.96	2.05	6.59	2.55	8.48	63
8090	C6D042	2AX	23160 GW	165 HP D	24,474	10.26	13.65	1.37	2.94	3.93	3.67	5.11	73
8095	C7D042	2AX	23160 GW	179 HP G	18,526	13.67	17.84	1.02	2.17	7.33	2.70	9.42	78
8100	C7D042	2AX	29900 GW	225 HP D	36,417	14.64	19.48	2.04	4.39	5.35	5.47	6.96	96
8105	C7D064	3AX	44860 GW	207 HP G	33,097	24.36	31.89	1.84	4.02	12.59	5.03	16.23	123
8110	C7D064	3AX	44500 GW	205 HP D	39,578	18.46	24.50	2.21	4.86	7.32	6.09	9.51	127
8115	J8C042	2AX	33200 GW	235 HP D	45,037	20.82	27.65	2.55	5.65	8.39	7.08	10.91	107
8120	J8C064	3AX	48860 GW	210 HP D	50,806	21.08	28.07	2.86	6.35	7.50	7.96	9.75	140
8125	J9C042	2AX	53911 GW	230 HP D	49,940	17.71	23.65	2.79	6.01	5.47	7.50	7.12	122
8130	J9C064	3AX	48860 GW	300 HP D	58,977	26.90	35.78	3.33	7.42	10.71	9.32	13.92	144
8135	N9E064	3AX	52000 GW	307 HP D	60,980	27.85	36.96	3.42	7.57	10.96	9.49	14.25	141
8140	N9E064	3AX	62000 GW	307 HP D	71,306	30.14	40.08	4.01	8.88	10.96	11.13	14.25	180
INTERNATIONAL													
8150	1654	2AX	16000 GW	155 HP D	18,261	8.61	11.41	1.02	2.20	3.69	2.74	4.80	57
8155	1724	2AX	16000 GW	147 HP G	16,422	11.42	14.92	0.92	1.97	6.02	2.46	7.74	65
8160	1754	2AX	16000 GW	165 HP D	23,449	9.98	13.26	1.32	2.85	3.93	3.56	5.11	71
8165	1954	2AX	21700 GW	180 HP D	29,677	11.77	15.69	1.66	3.59	4.28	4.49	5.57	100
8170	F2554	3AX	43000 GW	210 HP D	47,133	20.30	27.00	2.65	5.87	7.50	7.35	9.75	123
8175	F2574	3AX	50000 GW	230 HP D	62,004	24.35	32.48	3.51	7.82	8.21	9.81	10.67	123

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE COND.		SEVERE COND.							
					AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL				
TRUCKS, HIGHWAY (CONT'D)														
***** (CHASSIS ONLY)														
INTERNATIONAL (CONT'D)														
8180	F4370	3AX	48860 GVW 300 HP D	65,113	28.20	37.54	3.69	8.23	10.71	10.33	13.92	133		
8185	F5050	3AX	54000 GVW 210 HP D	63,471	23.74	31.72	3.59	8.01	7.50	10.05	9.75	138		
8190	F5070	3AX	54000 GVW 230 HP D	66,302	25.26	33.73	3.76	8.39	8.21	10.53	10.67	140		
KENWORTH														
8200	K100	3AX	48000 GVW 85000 GCW 300 HP D	69,670	29.25	38.97	3.95	8.79	10.71	11.04	13.92	138		
8205	W900	3AX	48000 GVW 85000 GCW 300 HP D	70,212	29.37	39.13	3.98	8.87	10.71	11.13	13.92	140		
8210	C500	3AX	56000 GVW 85000 GCW 270 HP D	75,438	29.10	38.85	4.28	9.55	9.64	11.99	12.53	144		
PETERBILT														
8220	MOD 348	3AX	50000 GVW 85000 GCW 245 HP D	77,173	28.58	38.22	4.36	9.70	8.75	12.18	11.37	121		
8225	MOD 362	3AX	46000 GVW 85000 GCW 300 HP D	67,937	28.88	38.47	3.84	8.56	10.71	10.75	13.92	131		
8230	MOD 359	3AX	46000 GVW 85000 GCW 300 HP D	65,575	28.38	37.78	3.71	8.25	10.71	10.36	13.92	134		
8235	MOD 353	3AX	56000 GVW 130000 GCW 350 HP D	73,357	32.30	43.00	4.16	9.27	12.49	11.65	16.24	174		
TRUCK ACCESSORIES														
***** (CHASIS NOT INCLUDED)														
CRANES, HYDRAULIC														
8245	5.3T@5' RAD	24000 GVW MIN		26,544	5.99		1.54	3.51	0.00		79			
8250	8.0T@3' RAD	26500 GVW MIN		31,815	7.16		1.85	4.21	0.00		84			
8255	12.5T@4' RAD	27000 GVW MIN		49,368	11.06		2.86	6.53	0.00		142			
8260	13.5T@4' RAD	44000 GVW MIN		60,910	13.64		3.54	8.07	0.00		158			
8265	15.0T@4' RAD	48000 GVW MIN		67,680	15.13		3.93	8.96	0.00		211			
DUMP BODY, REAR, W/HOIST														
8275	5CY 24000 TO 26000 GVW			6,421	1.52	2.04	0.37	0.85	0.00	1.07	0.00	26		
8280	AIR GATE	8CY 27000 TO 30000 GVW		10,173	2.35	3.17	0.59	1.35	0.00	1.69	0.00	44		
8285	AIR GATE	10CY 36000 AND UP GVW		10,291	2.37	3.22	0.60	1.36	0.00	1.72	0.00	45		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRUCK ACCESSORIES (CONT'D)														
(CHASIS NOT INCLUDED)														
DUMP BODY, REAR, W/HOIST (CONT'D)														
8290	AIR GATE 12CY 36000 AND UP GW	10,442	2.41	3.26	0.61	1.38	0.00	1.74	0.00	46				
FLATBEDS W/CONT. SIDES														
8300	8'X9.5'	2,090	0.47		0.12	0.28	0.00			11				
8305	8'X10.5'	2,161	0.47		0.12	0.28	0.00			12				
8310	8'X12.5'	2,370	0.52		0.14	0.31	0.00			14				
8315	8'X14.5'	2,811	0.62		0.16	0.37	0.00			16				
8320	8'X16.5'	3,083	0.69		0.18	0.41	0.00			18				
8325	FLATBED-HOIST	2,866	0.64		0.17	0.38	0.00			10				
HOISTS, ELECTRIC														
8335	1500LB@1.75'	2,405	0.63		0.14	0.32	0.00			4				
8340	2400LB@3'	2,808	0.71		0.16	0.37	0.00			6				
8345	5000LB@4'	7,746	1.82		0.45	1.03	0.00			15				
8350	6000LB@6'	8,715	2.02		0.51	1.15	0.00			14				
TRANSIT MIXERS														
8360	7 CY 40000 - 50000 GW RQD	27,391	6.21		1.59	3.62	0.00			63				
8365	8 CY 50000 - 70000 GW RQD	27,832	6.32		1.62	3.69	0.00			66				
8370	8.5CY 55000 - 75000 GW RQD	28,129	6.38		1.64	3.73	0.00			68				
8375	9 CY 61000 - 80000 GW RQD	28,568	6.47		1.66	3.78	0.00			73				
WATER TANKS														
8385	2000 GAL 23500-28000 GW	12,260	2.73		0.72	1.63	0.00			35				
8390	2500 GAL 25000-34950 GW	12,933	2.87		0.75	1.71	0.00			39				
8395	3000 GAL 29000-40000 GW	13,767	3.06		0.80	1.82	0.00			44				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				GWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
TRUCK TRAILERS												

BOTTOM DUMP												
8405	18CY 27T	27,284	5.21	6.60	1.38	2.94	0.00	3.48	0.00	122		
8410	20CY 30T	32,328	6.11	7.75	1.65	3.53	0.00	4.18	0.00	140		
8415	30CY 30T	32,791	6.19	7.86	1.67	3.58	0.00	4.25	0.00	160		
8420	28CY 42T	38,992	7.43	9.39	1.98	4.21	0.00	4.98	0.00	180		
8425	20CY 35T OFF-HIGHWAY	45,722	8.55	10.86	2.34	5.03	0.00	5.97	0.00	175		
8430	32CY 55T OFF-HIGHWAY	95,484	18.26	23.11	4.78	10.12	0.00	11.99	0.00	365		
8435	43CY 70T OFF-HIGHWAY	105,828	20.31	25.70	5.29	11.16	0.00	13.21	0.00	445		
END DUMP												
8445	20CY 24T	36,075	6.77	8.60	1.84	3.96	0.00	4.69	0.00	146		
LOWBOY, RIGID NECK, DROP DECK												
8455	25 TON 2 AXLE	21,404	3.70		1.06	2.02	0.00			89		
8460	30 TON 2 AXLE	23,693	4.06		1.18	2.24	0.00			94		
8465	35 TON 2 AXLE	25,899	4.40		1.29	2.46	0.00			109		
8470	35 TON 3 AXLE	29,884	5.18		1.48	2.80	0.00			134		
8475	40 TON 3 AXLE	31,223	5.42		1.54	2.91	0.00			144		
8480	50 TON 3 AXLE	35,902	6.15		1.78	3.38	0.00			161		
8485	60 TON 3 AXLE	38,896	6.79		1.91	3.58	0.00			188		
8490	70 TON 3 AXLE	47,126	8.06		2.33	4.43	0.00			213		
8495	75 TON 3 AXLE	48,649	8.30		2.42	4.59	0.00			228		
8500	80 TON 4 AXLE	55,291	9.36		2.76	5.29	0.00			266		
8505	90 TON 4 AXLE	59,656	10.17		2.96	5.64	0.00			297		
8510	100 TON 4 AXLE	66,025	11.25		3.28	6.24	0.00			313		
8515	120 TON 4 AXLE	76,643	13.24		3.76	7.07	0.00			351		
8520	HELPER DOLLY 60 T TRAILER MAX	18,267	3.22		0.89	1.67	0.00			62		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRUCK TRAILERS (CONT'D) *****														
PLATFORM TRAILERS														
8530	25 TON 2 AXLE	17,653	3.13		0.86	1.61	0.00			110				
PUP TRAILERS														
8540	8 CY LONG TONGUE	21,416	3.73		1.06	2.00	0.00			86				
8545	10CY LONG TONGUE	21,577	3.76		1.07	2.02	0.00			86				
TIlt TRAILERS														
8555	12 TON 2 AXLE	11,521	2.09		0.56	1.04	0.00			62				
8560	16 TON 2 AXLE	13,156	2.40		0.64	1.18	0.00			65				
8565	20 TON 2 AXLE	14,282	2.59		0.69	1.27	0.00			67				
WATER TANKER TRAILERS														
8575	4000 GAL	63 HP D	32,549	7.55		1.56	3.10	2.25		120				
8580	5000 GAL	63 HP D	34,557	7.94		1.64	3.21	2.25		150				
8585	6000 GAL	63 HP D	36,118	8.16		1.71	3.36	2.25		160				
TRUCKS, OFF-HIGHWAY *****														
CATERPILLAR														
8595	769-C 35T 22-30 CY	P.S. 450 HP D	285,499	61.73	79.54	13.55	27.75	10.15	31.69	13.11				
8600	773-B 50T 30-45 CY	P.S. 650 HP D	401,157	88.74	115.13	18.95	38.61	14.66	44.07	18.94				
8605	777 85T 47-67 CY	P.S. 870 HP D	559,344	120.42	156.05	26.18	52.86	19.63	60.29	25.35				
8610	768C PRIME MOVER TRACTOR	P.S. 450 HP D	252,222	56.65	73.31	11.94	24.37	10.15	27.83	13.11				
8615	772B PRIME MOVER TRACTOR	P.S. 650 HP D	376,936	87.14	114.41	17.64	35.62	14.66	40.62	18.94				
8620	776 PRIME MOVER TRACTOR	P.S. 870 HP D	494,872	112.23	147.12	22.88	45.63	19.63	51.97	25.35				
DJB (ARTICULATED FRAME)														
8630	D330B 33T 17-23 CY	P.S. 255 HP D	231,269	45.67	58.21	10.97	22.47	5.75	25.67	7.43				
8635	D350C 35T 20-26 CY	P.S. 260 HP D	251,907	50.84	65.66	11.81	23.90	5.87	27.27	7.58				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	OWNER-SHIP				
TRUCKS, OFF-HIGHWAY (CONT'D) *****													
DJB (CONT'D) (ARTICULATED FRAME)													
8640	D550 55T 32-43 CY P.S. 450 HP D	408,391	82.97	106.92	19.21	38.94	10.15	44.44	13.11	834			
EUCLID													
8650	R25-215FD 25T 14-19 CY P.S. 214 HP D	192,770	37.78	48.26	9.14	18.69	4.83	21.35	6.24	404			
8655	R35-302TD 35T 22-30 CY P.S. 450 HP D	304,631	64.65	83.13	14.48	29.69	10.15	33.91	13.11	623			
8660	R50-301LD 50T 31-41 CY P.S. 608 HP D	400,386	87.43	113.45	18.93	38.58	13.72	44.04	17.72	836			
8665	R75-301ND 75T 46-69 CY P.S. 646 HP D	535,707	109.12	141.07	25.13	50.86	14.57	58.01	18.82	1123			
8670	R85-306ND 85T 52-67 CY P.S. 755 HP D	551,684	115.77	150.11	25.80	52.08	17.03	59.39	22.00	1227			
TEREX													
8685	33-03B 22T 15-18 CY P.S. 215 HP D	171,539	35.18	45.20	8.16	16.73	4.85	19.11	6.27	400			
8690	33-05B 30T 19-23 CY P.S. 321 HP D	248,816	51.61	66.46	11.82	24.20	7.24	27.63	9.35	525			
8695	33-07 40T 25-32 CY P.S. 493 HP D	306,476	69.20	90.57	14.38	29.12	11.12	33.21	14.37	756			
8700	33-09 55T 34-44 CY P.S. 624 HP D	412,895	91.84	120.13	19.38	39.26	14.08	44.79	18.18	992			
8705	33-11D 85T 51-65 CY P.S. 840 HP D	608,679	127.02	164.12	28.57	57.86	18.95	66.01	24.48	1350			
8710	33-14 120T 65-88 CY P.S. 1092 HP D	890,201	181.56	234.50	41.79	84.66	24.64	96.58	31.82	1950			
WABCO													
8720	HAULPAK35D 35T 23-29 CY P.S. 420 HP D	302,448	63.40	81.55	14.37	29.46	9.48	33.66	12.24	630			
8725	HAULPAK50B 50T 31-40 CY P.S. 576 HP D	430,932	91.04	117.83	20.39	41.63	12.99	47.53	16.78	792			
8730	HAULPAK60B 60T 34-48 CY P.S. 642 HP D	462,616	99.94	130.15	21.79	44.30	14.48	50.56	18.71	900			
8735	75C 75T 44-57 CY P.S. 679 HP D	524,501	107.86	139.21	24.64	49.96	15.32	57.00	19.79	950			
8740	85D 85T 47-67 CY P.S. 818 HP D	586,677	123.00	159.13	27.50	55.63	18.45	63.45	23.84	1240			
8745	100 100T 47-77 CY P.S. 1050 HP D	713,492	153.36	199.74	33.22	66.75	23.69	76.08	30.60	1606			

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														
8755	KT-50	5000 GAL. CAT 613B P.S. 150 HP D	136,125	28.43	35.09	6.46	12.77	5.36	14.52	7.05	320			
8760	KT-60	6000 GAL. CAT 621B P.S. 330 HP D	240,198	54.10	67.20	11.29	22.11	11.79	25.12	15.51	564			
8765	KT-80	8000 GAL. CAT 631D P.S. 450 HP D	333,368	74.99	93.17	15.63	30.54	16.07	34.69	21.15	751			
8770	KT-100	10000 GAL. CAT 631D P.S. 450 HP D	341,419	76.20	94.60	16.03	31.34	16.07	35.59	21.15	811			
8775	KT-100	10000 GAL. CAT 651E P.S. 550 HP D	411,733	92.34	114.68	19.31	37.74	19.65	42.87	25.85	1001			
8780	KT-120	12000 GAL. CAT 651E P.S. 550 HP D	417,887	93.25	115.77	19.61	38.34	19.65	43.55	25.85	1097			
TRACTOR DRAWN - SOUTHWEST														
8790	STT-60	6000 GAL. CAT 621B P.S. 330 HP D	240,694	54.18	67.29	11.32	22.16	11.79	25.18	15.51	594			
8795	STT-80	8000 GAL. CAT 631D P.S. 450 HP D	329,552	74.42	92.50	15.45	30.17	16.07	34.27	21.15	811			
8800	STT-100	10000 GAL. CAT 631D P.S. 450 HP D	333,982	75.08	93.28	15.66	30.60	16.07	34.76	21.15	840			
8805	STT-120	12000 GAL. CAT 651E P.S. 550 HP D	427,395	94.68	117.47	20.07	39.28	19.65	44.62	25.85	1135			
8810	STT-140	14000 GAL. CAT 651E P.S. 550 HP D	433,733	95.62	118.59	20.38	39.90	19.65	45.32	25.85	1170			
WAGONS, BOTTOM DUMP														

CATERPILLAR-ATHEY														
8820	621B/FW621B	33T 22-25CY P.S. 330 HP D	261,266	59.95	78.05	12.29	24.96	11.79	28.48	15.51	579			
8825	768C/FW768C	63T 42-48CY P.S. 450 HP D	384,790	86.88	112.90	18.00	36.34	16.07	41.44	21.15	935			
8830	772B/FW772B	100T 60-67CY P.S. 650 HP D	613,262	137.21	179.49	28.58	57.51	23.22	65.56	30.55	1360			
EUCLID														
8840	B30-303TDT301W	30T 21-27CY P.S. 277 HP D	246,644	55.08	71.68	11.59	23.48	9.89	26.78	13.02	483			
8845	B70-203LDT147W	70T 47-62CY P.S. 456 HP D	415,891	89.48	115.43	19.53	39.57	16.29	45.15	21.43	934			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	
WAGONS, REAR DUMP *****									
	CATERPILLAR-ATHEY								
8855	621B/PR621B 33T 22-26CY P.S. 330 HP D	270,314	61.33	79.75	12.73	25.88	11.79	29.53	15.51
8860	631D/PR631D 40T 27-32CY P.S. 450 HP D	387,591	86.44	112.21	18.29	37.26	16.07	42.54	21.15
WATER BLASTER *****									
	AMERICAN AERO								
8870	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	33,957	18.14		2.28	5.62	4.79		42
8875	WBDI50 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	51,468	29.02		3.47	8.55	8.42		70
WATER TANKS *****									
	SKID MOUNTED								
8885	WST-8 8000 GAL. SOUTHWEST	16,412	2.32		0.80	1.61	0.00		107
8890	WST-10 10000 GAL. SOUTHWEST	19,099	2.70		0.93	1.87	0.00		122
8895	WST-12 12000 GAL. SOUTHWEST	22,222	3.14		1.08	2.18	0.00		142
PORTABLE (WITH WHEELS)									
8905	EWT-8 8000 GAL. SOUTHWEST 8 HP G	29,252	4.99		1.40	2.78	0.62		130
8910	EWT-10 10000 GAL. SOUTHWEST 8 HP G	33,276	5.56		1.59	3.17	0.62		170
8915	EWT-12 12000 GAL. SOUTHWEST 8 HP G	36,878	6.07		1.77	3.53	0.62		185
WELDERS *****									
	ELECTRIC DRIVE - AC 3 PHASE 60 HZ								
8925	300 AMP SKID MID 20 HP E	2,460	1.14		0.14	0.31	0.54		7
8930	400 AMP SKID MID 25 HP E	2,945	1.39		0.17	0.37	0.67		9

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

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

GASOLINE ENGINE DRIVE												
8940	200 AMP W/1 AXLE TRLR	39 HP G	4,905	5.62		0.27	0.58	3.70	11			
8945	250 AMP W/1 AXLE TRLR	39 HP G	5,209	5.68		0.29	0.61	3.70	17			
8950	300 AMP W/1 AXLE TRLR	65 HP G	5,649	8.82		0.32	0.67	6.16	17			
8955	400 AMP W/1 AXLE TRLR	69 HP G	7,186	9.61		0.40	0.85	6.54	21			
DIESEL ENGINE DRIVE												
8965	250 AMP W/1 AXLE TRLR	27 HP D	6,734	2.89		0.38	0.80	1.19	21			
8970	300 AMP W/1 AXLE TRLR	38 HP D	7,188	3.58		0.40	0.85	1.68	21			
8975	350 AMP W/2 AXLE TRLR	38 HP D	8,096	3.79		0.46	0.95	1.68	25			
8980	400 AMP W/2 AXLE TRLR	64 HP D	8,783	5.36		0.49	1.03	2.83	30			
MIG												
8990	300AMP W/WIRE FEED AND SHOP GEAR	10 HP E	2,487	0.80		0.15	0.32	0.27	5			
8995	450AMP W/WIRE FEED AND SHOP GEAR	20 HP E	2,557	1.16		0.15	0.33	0.54	5			
RECTIFIER												
9005	200 AMP W/SHOP RUNNING GEAR	19 HP E	1,139	0.87		0.07	0.15	0.51	4			
9010	300 AMP W/SHOP RUNNING GEAR	24 HP E	1,467	1.11		0.09	0.19	0.65	6			
9015	750 AMP W/SHOP RUNNING GEAR	30 HP E	3,942	1.76		0.23	0.51	0.81	7			
9020	1000AMP W/SHOP RUNNING GEAR	42 HP E	6,886	2.70		0.40	0.88	1.13	10			
TRANSFORMER-RECTIFIER												
9030	250 AMP W/SHOP RUNNING GEAR	19 HP E	541	0.76		0.03	0.07	0.51	4			
9035	300 AMP W/SHOP RUNNING GEAR	24 HP E	1,745	1.15		0.10	0.22	0.65	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)	= (+) \$24.60/Hr.
= (\$30.00) x (.82)	= \$49.60/Hr.
Adjusted Total Hourly Rate	

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)	= (+) \$15.60/Hr.
= (\$30.00) x (.52)	= \$40.60/Hr.
Adjusted Total Hourly Rate	

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												
		1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
15	AGGREGATE SPREADERS	1.07	1.03	1.00	0.99	1.00	0.93	0.86						
30	AIR COMPRESSORS	1.08	1.04	1.00	1.01	0.99	0.91	0.96						
45	AIR TOOLS, SANDBLASTERS, ETC	1.07	1.04	1.00										
60	ASPHALT DISTRIBUTORS	1.07	1.03	1.00	0.99	1.00	0.93	0.86						
65	ASPHALT AND CONCRETE PAVERS	1.07	1.03	1.00	0.99	1.00	0.93	0.86						
70	ASPHALT KETLES AND RECYCLERS	1.04	1.02	1.00	0.98	0.96	0.88							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.04	1.02	1.00	0.98	0.96	0.88	0.77						
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.98	0.96	0.88	0.78						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.05	1.03	1.00	0.99	1.00	0.95	0.84						
95	BUCKETS, CONCRETE	1.05	1.03	1.00	0.99	1.00	0.95	0.84						
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.98	0.96	0.89							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.98	0.96	0.88							
125	CONCRETE FINISHERS & BUGGIES	1.04	1.02	1.00	0.98									
130	CONCRETE SAWS	1.04	1.02	1.00	0.98	0.96	0.88							
135	CONCRETE VIBRATORS	1.07	1.04	1.00										
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.07	1.04	1.00	1.01									
150	0 THRU 25 TON	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72	0.65				
165	OVER 25 TON THRU 50 TON	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72	0.65	0.60			
170	OVER 50 TON THRU 150 TON	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61	0.57	0.51	
180	OVER 150 TON DRAGLINE & CLAMSHELL, CRAWLER	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61	0.57	0.52	0.41
185	0 THRU 1 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72					
190	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72	0.65	0.60			
195	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61	0.57	0.51	
196	OVER 5 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61	0.57	0.52	0.41
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61	0.57		
205	CRANES, TOWER CRANES & HYD. EXC., TRK MID	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72	0.64	0.59	0.54	0.49	
210	UNDER 26 T. (THRU 1 CY)	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.74	0.67	0.62	0.57	0.52	
230	66 THRU 125 T	1.04	1.02	1.00	0.98	0.96	0.90	0.82	0.74	0.67	0.62	0.58	0.52	0.42
240	OVER 125 T	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.67	0.61	0.57	0.52	0.42
255	DRILL, AUGER	1.02	1.01	1.00	1.01	1.00	0.92	0.78						
270	DRILL, BLAST HOLE	1.02	1.01	1.00	1.01	1.00	0.92	0.78						
300	DRILL, CORE	1.02	1.01	1.00	1.01	1.00	0.92	0.78						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	1.01	1.00	1.01	1.00	0.92	0.79	0.68	0.63	0.56			
330	DRILL, ROTARY OVER 11" DIA.	1.02	1.01	1.00	1.01	1.00	0.92	0.79	0.69	0.64	0.57	0.55	0.52	0.45
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	1.01	1.00	1.01	1.00	0.92	0.79	0.69	0.64	0.57	0.55	0.52	0.45
375	FORK LIFTS	1.04	1.02	1.00	0.98	0.96	0.88	0.78						
390	GRADERS	1.05	1.03	1.00	1.00	0.97	0.88	0.79	0.69					
420	GENERATORS	1.06	1.04	1.00	0.97	0.95	0.92							
435	HOLST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.04	1.02	1.00	0.98	0.96	0.88	0.78						
440	LIGHT PLANTS	1.04	1.02	1.00	0.98	0.96	0.88							
450	LOADER, BELT	1.04	1.02	1.00	0.98	0.96	0.88	0.77						
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.00	0.99	1.00	1.00	0.96	0.87	0.78						
465	LOADER, WHEEL TYPE	1.02	1.01	1.00	0.98	0.95	0.85	0.70						
470	OVER 225 HP	1.02	1.01	1.00	0.98	0.96	0.86	0.72	0.63					
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.02	1.01	1.00	0.98	0.95	0.85	0.70						

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW										
		1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.02	1.00	0.98							
485	PIPELAYERS PUMP, GROUT (SEE KEY NO. 105)	1.00	0.99	1.00	1.00	0.96	0.86	0.78	0.68			
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.98	0.96	0.88	0.77				
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.98	0.96	0.88	0.77				
510	RIPPERS	1.00	0.99	1.00	1.00	0.96	0.86					
525	ROLLERS, EXCEPT VIB. ROLLERS	1.08	1.05	1.00	0.95	0.85	0.79	0.70				
530	ROLLERS, VIBRATORY	1.09	1.05	1.00	0.95	0.85	0.78					
540	SCRAPERS, STANDARD	1.05	1.03	1.00	1.00	0.97	0.89	0.80				
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.05	1.03	1.00	1.00	0.97	0.89	0.80				
545	0 THRU 200 HP	1.05	1.03	1.00	1.00	0.97	0.88	0.79				
550	OVER 200 HP	1.05	1.03	1.00	1.00	0.97	0.89	0.80				
555	SCRAPERS, TRACTOR DRAWN	1.05	1.03	1.00	1.00	0.97	0.88	0.80	0.70			
560	SOIL STABILIZERS SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED	1.05	1.03	1.00	1.00	0.97	0.88	0.79				
570	0 THRU 1 CY	1.05	1.02	1.00	0.98	0.95	0.88					
585	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.81				
595	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72			
600	OVER 5 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66		
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61	0.57
615	0 THRU 225 HP	1.00	0.99	1.00	1.00	0.96	0.86	0.77				
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.00	0.99	1.00	1.00	0.96	0.87	0.78				
625	OVER 425 HP	1.00	0.99	1.00	1.00	0.96	0.87	0.79	0.70			
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.00	0.99	1.00	1.00	0.96	0.87	0.78				
645	TRACTOR, WHEEL TYPE	1.08	1.05	1.00	0.97	0.96	0.87	0.77				
650	TRENCHER	1.04	1.02	1.00	0.98	0.91	0.79	0.67				
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.98	0.96	0.89	0.79				
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.05	1.02	1.00	0.98	0.95	0.87	0.76				
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING											
670	DUMP BODIES	1.04	1.02	1.00	0.98	0.96	0.88					
675	ALL OTHER ACCESSORIES TRUCK, HIGHWAY	1.04	1.02	1.00	0.98	0.96	0.88					
690	0 THRU 10,000 GVW	1.09	1.04	1.00	0.95							
695	OVER 10,000 THRU 30,000 GVW	1.09	1.04	1.00	0.95	0.91	0.83					
705	OVER 30,000 GVW	1.08	1.03	1.00	0.95	0.91	0.84					
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.99	0.96	0.88	0.76	0.65			
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.99	0.96	0.88	0.76	0.65			
780	WAGON, WATER	1.03	1.01	1.00	0.99	0.96	0.87	0.75	0.64			
785	WATER BLASTER	1.04	1.02	1.00	0.98							
795	WATER TANKS	1.04	1.02	1.00	0.98	0.96	0.89	0.79	0.68			
810	WELDERS	1.05	1.02	1.00	0.98	0.95	0.87					
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.98	0.96	0.88					



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 (.84)	= \$15.12/Hr.

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW											
		1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	
15	AGGREGATE SPREADERS	1.06	1.03	1.00	0.99	1.00	0.94	0.88					
30	AIR COMPRESSORS	1.06	1.03	1.00	1.01	0.99	0.93	0.97					
45	AIR TOOLS, SANDBLASTERS, ETC	1.07	1.03	1.00									
60	ASPHALT DISTRIBUTORS	1.06	1.03	1.00	0.99	1.00	0.94	0.88					
65	ASPHALT AND CONCRETE PAVERS	1.06	1.03	1.00	0.99	1.00	0.94	0.88					
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.02	1.00	0.99	0.96	0.89						
	BACKHOE (SEE KEY NO. 570-601)												
75	BROOMS	1.04	1.02	1.00	0.99	0.96	0.90	0.81					
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.99	0.96	0.90	0.81					
90	BUCKETS, CLAMSHELL & DRAGLINE	1.05	1.03	1.00	0.99	1.00	0.95	0.85					
95	BUCKETS, CONCRETE	1.05	1.03	1.00	0.99	1.00	0.95	0.85					
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.99	0.96	0.90						
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.99	0.96	0.89						
125	CONCRETE FINISHERS & BUGGIES	1.04	1.02	1.00	0.98								
130	CONCRETE SAWS	1.04	1.02	1.00	0.99	0.96	0.89						
135	CONCRETE VIBRATORS	1.07	1.03	1.00									
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.07	1.03	1.00	1.01								
150	0 THRU 25 TON	1.04	1.02	1.00	0.98	0.96	0.90	0.83	0.75	0.69			
165	OVER 25 TON THRU 50 TON	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65		
170	OVER 50 TON THRU 150 TON	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.76	0.70	0.66	0.62	0.57
180	OVER 150 TON DRAGLINE & CLAMSHELL, CRAWLER	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.76	0.70	0.66	0.62	0.57
185	0 THRU 1 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.83	0.75				
190	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65		
195	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.76	0.70	0.66	0.62	0.57
196	OVER 5 CY	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.76	0.70	0.66	0.62	0.57
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65	0.61	
205	CRANES, TOWER CRANES & HYD. EXC., TRK MTD	1.03	1.02	1.00	0.98	0.96	0.91	0.84	0.77	0.71	0.66	0.63	0.58
210	UNDER 26 T. (THRU 1 CY)	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.69	0.65		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65	0.61	0.57
230	66 THRU 125 T	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65	0.62	0.57
240	OVER 125 T	1.03	1.02	1.00	0.98	0.96	0.91	0.84	0.77	0.71	0.66	0.63	0.58
255	DRILL, AUGER	1.02	1.01	1.00	1.01	1.00	0.93	0.80					
270	DRILL, BLAST HOLE	1.02	1.01	1.00	1.01	1.00	0.93	0.80					
300	DRILL, CORE	1.02	1.01	1.00	1.01	1.00	0.93	0.80					
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	1.01	1.00	1.01	1.00	0.93	0.81	0.72	0.67	0.62		
330	DRILL, ROTARY OVER 11" DIA.	1.02	1.01	1.00	1.01	1.00	0.93	0.82	0.73	0.68	0.63	0.60	0.58
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	1.01	1.00	1.01	1.00	0.93	0.82	0.73	0.68	0.63	0.60	0.58
375	FORK LIFTS	1.04	1.02	1.00	0.99	0.96	0.90	0.81					
390	GRADERS	1.05	1.03	1.00	1.00	0.98	0.90	0.82	0.74				
420	GENERATORS	1.05	1.03	1.00	0.97	0.95	0.93						
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.04	1.02	1.00	0.99	0.96	0.90	0.81					
440	LIGHT PLANTS	1.04	1.02	1.00	0.98	0.96	0.89						
450	LOADER, BELT	1.04	1.02	1.00	0.99	0.96	0.90	0.81					
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.00	0.99	1.00	1.00	0.96	0.88	0.80					
465	LOADER, WHEEL TYPE	1.02	1.01	1.00	0.98	0.96	0.87	0.74					
470	OVER 225 HP	1.02	1.01	1.00	0.98	0.96	0.87	0.75	0.66				
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.02	1.01	1.00	0.98	0.96	0.87	0.74					

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.04	1.02	1.00	0.98									
485	PIPELAYERS	1.00	0.99	1.00	1.00	0.96	0.88	0.81	0.73					
	PUMP, GROUT (SEE KEY NO. 105)	1.04	1.02	1.00	0.99	0.96	0.90	0.81						
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.99	0.96	0.90	0.81						
500	PUMP, WATER, ELECTRIC DRIVE	1.00	0.99	1.00	1.00	0.96	0.88							
510	RIPPERS	1.00	0.99	1.00	1.00	0.96	0.88							
525	ROLLERS, EXCEPT VIB. ROLLERS	1.07	1.04	1.00	0.95	0.87	0.81	0.74						
530	ROLLERS, VIBRATORY	1.08	1.04	1.00	0.95	0.87	0.81							
540	SCRAPERS, STANDARD	1.05	1.03	1.00	1.00	0.98	0.90	0.82						
542	SCRAPERS, TANDEM POWERED	1.05	1.03	1.00	1.00	0.98	0.90	0.82						
	SCRAPERS, ELEVATING	1.05	1.03	1.00	1.00	0.98	0.90	0.82						
545	0 THRU 200 HP	1.05	1.03	1.00	1.00	0.98	0.90	0.82						
550	OVER 200 HP	1.05	1.03	1.00	1.00	0.98	0.90	0.82						
555	SCRAPERS, TRACTOR DRAWN	1.05	1.03	1.00	1.00	0.98	0.90	0.82	0.74					
560	SOIL STABILIZERS	1.05	1.03	1.00	1.00	0.98	0.90	0.82						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED	1.04	1.02	1.00	0.98	0.96	0.90							
570	0 THRU 1 CY	1.04	1.02	1.00	0.98	0.96	0.90							
585	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.83						
595	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.83	0.75					
600	OVER 5 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.69				
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.76	0.70	0.66	0.62	0.57	
615	0 THRU 225 HP	1.00	0.99	1.00	1.00	0.96	0.88	0.80						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.00	0.99	1.00	1.00	0.96	0.88	0.80						
625	OVER 425 HP	1.00	0.99	1.00	1.00	0.96	0.88	0.81	0.73					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.00	0.99	1.00	1.00	0.96	0.88	0.80						
645	TRACTOR, WHEEL TYPE	1.07	1.05	1.00	0.97	0.96	0.89	0.80						
650	TRENCHER	1.03	1.01	1.00	0.98	0.92	0.81	0.71						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.99	0.96	0.90	0.81						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.04	1.02	1.00	0.99	0.96	0.90	0.81						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING	1.04	1.02	1.00	0.99	0.96	0.89							
670	DUMP BODIES	1.04	1.02	1.00	0.99	0.96	0.89							
675	ALL OTHER ACCESSORIES	1.04	1.02	1.00	0.99	0.96	0.89							
	TRUCK, HIGHWAY	1.08	1.03	1.00	0.96									
690	0 THRU 10,000 GVW	1.07	1.03	1.00	0.96	0.92	0.86							
695	OVER 10,000 THRU 30,000 GVW	1.07	1.03	1.00	0.96	0.92	0.86							
705	OVER 30,000 GVW	1.07	1.03	1.00	0.96	0.92	0.86							
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.99	0.97	0.89	0.78	0.68					
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.99	0.97	0.89	0.78	0.68					
780	WAGON, WATER	1.03	1.01	1.00	0.99	0.97	0.89	0.78	0.68					
785	WATER BLASTER	1.04	1.02	1.00	0.98									
795	WATER TANKS	1.04	1.02	1.00	0.99	0.96	0.90	0.81	0.72					
810	WELDERS	1.04	1.02	1.00	0.98	0.96	0.89							
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.98	0.96	0.89							

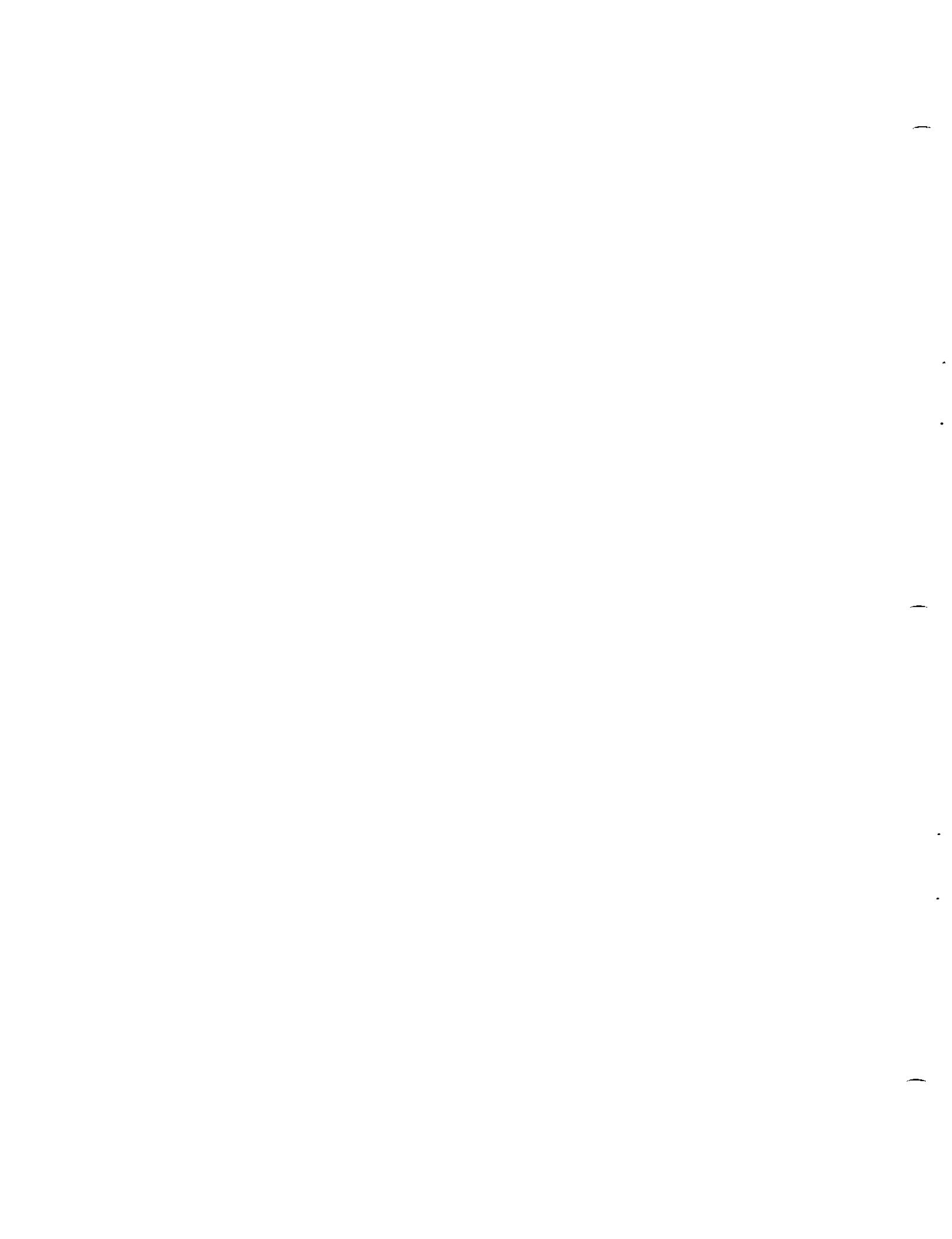


TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

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)	= \$49.60/Hr.
Ownership Rate (adjusted for age)	(-) \$24.60/Hr.
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adj. Factor)	
= (\$24.60) x (.86)	= (+) \$21.16/Hr.
Adjusted Total Hourly Rate	= <u>\$46.16/Hr.</u>

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

Service Life From APP. D	Equipment Useage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.90	0.89
6,000	1.00	0.98	0.97	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85
8,000	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
9,000	1.00	0.97	0.96	0.93	0.91	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.81
10,000	1.00	0.97	0.95	0.93	0.90	0.89	0.87	0.86	0.84	0.83	0.82	0.81	0.79
11,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.85	0.83	0.82	0.81	0.80	0.78
12,000	1.00	0.96	0.95	0.92	0.89	0.87	0.86	0.84	0.82	0.81	0.79	0.78	0.77
13,000	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
14,000	1.00	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.80	0.79	0.77	0.76	0.75
15,000	1.00	0.96	0.94	0.90	0.88	0.85	0.84	0.81	0.79	0.78	0.76	0.75	0.74
16,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.79	0.77	0.76	0.74	0.73
18,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.79	0.77	0.75	0.74	0.73	0.71
20,000	1.00	0.95	0.93	0.89	0.85	0.83	0.81	0.78	0.76	0.74	0.72	0.71	0.69
22,000	1.00	0.95	0.92	0.88	0.85	0.82	0.80	0.77	0.75	0.73	0.71	0.69	0.67
50,000	1.00	0.93	0.89	0.83	0.78	0.74	0.71	0.67	0.64	0.61	0.59	0.57	0.53

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
1015	4.42	1.88	10.98	2.64	0.23	0.03	4.14	24.32								
1020	4.95	2.09	3.95	0.95	0.23	0.03	4.63	16.83								
1035	0.75	0.39	3.86	1.24	0.02	0.00	0.81	7.07								
1040	0.90	0.47	1.18	0.33	0.02	0.00	0.98	3.88								
1045	0.92	0.48	5.41	1.73	0.02	0.00	1.00	9.56								
1050	0.98	0.51	1.82	0.51	0.02	0.00	1.06	4.90								
1055	1.01	0.52	5.41	1.73	0.02	0.00	1.09	9.78								
1060	1.14	0.59	1.93	0.54	0.02	0.00	1.24	5.46								
1065	1.04	0.54	5.41	1.73	0.02	0.00	1.12	9.86								
1070	1.23	0.63	2.46	0.69	0.02	0.00	1.33	6.36								
1075	1.84	0.95	3.14	0.88	0.03	0.00	1.99	8.83								
1080	2.23	1.18	4.36	1.22	0.15	0.02	2.43	11.59								
1085	2.90	1.52	5.43	1.52	0.15	0.02	3.16	14.70								
1090	3.48	1.82	6.72	1.88	0.17	0.03	3.78	17.88								
1095	4.06	2.12	8.14	2.28	0.17	0.03	4.41	21.21								
1100	4.62	2.41	9.29	2.60	0.17	0.03	5.02	24.14								
1105	5.08	2.64	9.64	2.70	0.17	0.03	5.51	25.77								
1110	5.70	2.96	10.50	2.94	0.17	0.03	6.18	28.48								
1115	6.82	3.53	14.29	4.00	0.17	0.03	7.38	36.22								
1120	7.70	3.99	16.29	4.56	0.21	0.03	8.34	41.12								
1135	0.30	0.06	0.00	0.06	0.00	0.00	0.59	1.01								
1140	0.54	0.10	0.00	0.06	0.00	0.00	1.08	1.78								
1145	0.55	0.10	0.00	0.06	0.00	0.00	1.09	1.80								
1150	0.60	0.11	0.00	0.13	0.00	0.00	1.20	2.04								
1155	0.81	0.15	0.00	0.13	0.00	0.00	1.62	2.71								
1160	2.29	0.45	0.00	0.27	0.05	0.01	4.61	7.68								
1165	2.73	0.55	0.00	0.40	0.14	0.02	5.54	9.38								
1170	3.37	0.67	0.00	0.50	0.14	0.02	6.82	11.52								
1180	0.18	0.03	0.00	0.06	0.00	0.00	0.36	0.63								
1185	0.39	0.07	0.00	0.11	0.00	0.00	0.78	1.35								
1190	0.18	0.03	0.00	0.06	0.00	0.00	0.37	0.64								
1195	0.20	0.04	0.00	0.06	0.00	0.00	0.39	0.69								
1200	0.21	0.04	0.00	0.06	0.00	0.00	0.43	0.74								
1205	0.72	0.14	0.00	0.13	0.00	0.00	1.43	2.42								
1215	0.38	0.07	0.00	0.15	0.00	0.00	1.28	1.88								
1220	0.25	0.05	0.00	0.13	0.00	0.00	0.83	1.26								
1225	0.22	0.04	0.00	0.10	0.00	0.00	0.74	1.10								
1230	0.20	0.04	0.00	0.08	0.00	0.00	0.67	0.99								
1235	0.16	0.03	0.00	0.06	0.00	0.00	0.53	0.78								
1245	2.48	1.03	3.47	1.11	0.00	0.00	2.81	10.90								
1250	2.54	1.05	3.47	1.11	0.00	0.00	2.88	11.05								
1255	2.73	1.13	3.47	1.11	0.00	0.00	3.09	11.53								
1260	3.07	1.27	3.47	1.11	0.00	0.00	3.47	12.39								
1270	6.99	2.96	2.50	0.70	0.37	0.06	8.42	22.00								
1275	11.47	4.89	3.39	0.95	0.81	0.12	13.83	35.46								
1280	12.91	5.48	4.64	1.30	0.81	0.12	15.54	40.80								
1285	15.65	6.48	4.64	1.30	0.00	0.00	18.75	46.82								
1295	3.75	1.61	1.07	0.30	0.35	0.05	4.53	11.66								
1300	6.28	2.66	1.57	0.44	0.35	0.05	7.56	18.91								
1305	8.40	3.57	2.00	0.56	0.52	0.08	10.11	25.24								
1310	10.09	4.32	3.39	0.95	0.81	0.12	12.17	31.85								
1315	11.98	5.13	3.29	0.92	0.99	0.15	14.46	36.92								
1320	15.49	6.66	5.29	1.48	1.38	0.21	18.71	49.22								
1325	11.52	4.77	3.21	0.90	0.00	0.00	13.80	34.20								
1330	13.84	5.73	4.46	1.25	0.00	0.00	16.58	41.86								

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	
1340	0.37	0.13	0.00	1.00	0.02	0.00	0.39	1.91								
1345	0.43	0.15	0.00	1.11	0.02	0.00	0.45	2.16								
1355	1.03	0.35	0.62	1.79	0.03	0.00	1.07	4.89								
1365	0.49	0.23	0.00	0.18	0.02	0.00	0.55	1.47								
1370	0.63	0.29	2.32	0.56	0.02	0.00	0.71	4.53								
1375	0.24	0.11	0.00	0.18	0.00	0.00	0.27	0.80								
1380	0.44	0.20	0.00	0.12	0.00	0.00	0.48	1.24								
1390	0.96	0.39	8.07	2.58	0.00	0.00	1.11	13.11								
1395	1.02	0.43	8.07	2.58	0.04	0.01	1.20	13.35								
1405	0.89	0.33	0.00	0.00	0.00	0.00	0.76	1.98	1.11	0.34	0.00	0.00	0.00	0.00	1.09	2.54
1410	0.96	0.36	0.00	0.00	0.00	0.00	0.82	2.14	1.20	0.37	0.00	0.00	0.00	0.00	1.17	2.74
1415	1.39	0.52	0.00	0.00	0.00	0.00	1.19	3.10	1.73	0.53	0.00	0.00	0.00	0.00	1.70	3.96
1420	1.63	0.61	0.00	0.00	0.00	0.00	1.40	3.64	2.03	0.62	0.00	0.00	0.00	0.00	2.00	4.65
1425	2.10	0.78	0.00	0.00	0.00	0.00	1.80	4.68	2.62	0.80	0.00	0.00	0.00	0.00	2.57	5.99
1430	2.23	0.83	0.00	0.00	0.00	0.00	1.92	4.98	2.79	0.86	0.00	0.00	0.00	0.00	2.74	6.39
1435	2.43	0.91	0.00	0.00	0.00	0.00	2.09	5.43	3.04	0.93	0.00	0.00	0.00	0.00	2.98	6.95
1440	2.69	1.01	0.00	0.00	0.00	0.00	2.31	6.01	3.37	1.03	0.00	0.00	0.00	0.00	3.31	7.71
1445	2.93	1.09	0.00	0.00	0.00	0.00	2.52	6.54	3.66	1.12	0.00	0.00	0.00	0.00	3.59	8.37
1450	3.13	1.17	0.00	0.00	0.00	0.00	2.69	6.99	3.91	1.20	0.00	0.00	0.00	0.00	3.84	8.95
1455	3.46	1.29	0.00	0.00	0.00	0.00	2.97	7.72	4.32	1.32	0.00	0.00	0.00	0.00	4.24	9.88
1460	3.60	1.34	0.00	0.00	0.00	0.00	3.09	8.03	4.50	1.38	0.00	0.00	0.00	0.00	4.42	10.30
1465	3.71	1.38	0.00	0.00	0.00	0.00	3.19	8.28	4.64	1.42	0.00	0.00	0.00	0.00	4.55	10.61
1470	3.90	1.46	0.00	0.00	0.00	0.00	3.35	8.71	4.88	1.50	0.00	0.00	0.00	0.00	4.79	11.17
1475	4.06	1.52	0.00	0.00	0.00	0.00	3.49	9.07	5.08	1.56	0.00	0.00	0.00	0.00	4.98	11.62
1485	0.85	0.32	0.00	0.00	0.00	0.00	0.73	1.90	1.06	0.32	0.00	0.00	0.00	0.00	1.04	2.42
1490	1.18	0.44	0.00	0.00	0.00	0.00	1.01	2.63	1.47	0.45	0.00	0.00	0.00	0.00	1.45	3.37
1495	1.73	0.65	0.00	0.00	0.00	0.00	1.49	3.87	2.16	0.66	0.00	0.00	0.00	0.00	2.12	4.94
1500	1.88	0.70	0.00	0.00	0.00	0.00	1.61	4.19	2.35	0.72	0.00	0.00	0.00	0.00	2.30	5.37
1505	2.36	0.88	0.00	0.00	0.00	0.00	2.03	5.27	2.95	0.90	0.00	0.00	0.00	0.00	2.90	6.75
1510	2.60	0.97	0.00	0.00	0.00	0.00	2.23	5.80	3.25	1.00	0.00	0.00	0.00	0.00	3.19	7.44
1515	2.98	1.11	0.00	0.00	0.00	0.00	2.56	6.65	3.73	1.14	0.00	0.00	0.00	0.00	3.66	8.53
1520	3.22	1.20	0.00	0.00	0.00	0.00	2.77	7.19	4.03	1.24	0.00	0.00	0.00	0.00	3.96	9.23
1525	3.48	1.30	0.00	0.00	0.00	0.00	2.99	7.77	4.34	1.33	0.00	0.00	0.00	0.00	4.26	9.93
1530	3.73	1.39	0.00	0.00	0.00	0.00	3.20	8.32	4.66	1.43	0.00	0.00	0.00	0.00	4.58	10.67
1535	3.95	1.47	0.00	0.00	0.00	0.00	3.39	8.81	4.94	1.51	0.00	0.00	0.00	0.00	4.85	11.30
1540	4.16	1.55	0.00	0.00	0.00	0.00	3.57	9.28	5.20	1.59	0.00	0.00	0.00	0.00	5.10	11.89
1545	4.39	1.64	0.00	0.00	0.00	0.00	3.77	9.80	5.49	1.68	0.00	0.00	0.00	0.00	5.39	12.56
1550	4.59	1.71	0.00	0.00	0.00	0.00	3.94	10.24	5.73	1.76	0.00	0.00	0.00	0.00	5.63	13.12
1555	4.78	1.78	0.00	0.00	0.00	0.00	4.11	10.67	5.97	1.83	0.00	0.00	0.00	0.00	5.87	13.67
1565	1.34	0.50	0.00	0.00	0.00	0.00	1.15	2.99	1.67	0.51	0.00	0.00	0.00	0.00	1.64	3.82
1570	1.37	0.51	0.00	0.00	0.00	0.00	1.18	3.06	1.71	0.52	0.00	0.00	0.00	0.00	1.68	3.91
1575	1.98	0.74	0.00	0.00	0.00	0.00	1.70	4.42	2.47	0.76	0.00	0.00	0.00	0.00	2.43	5.66
1580	2.44	0.91	0.00	0.00	0.00	0.00	2.09	5.44	3.05	0.93	0.00	0.00	0.00	0.00	2.99	6.97
1585	2.75	1.03	0.00	0.00	0.00	0.00	2.36	6.14	3.43	1.05	0.00	0.00	0.00	0.00	3.37	7.85
1590	3.00	1.12	0.00	0.00	0.00	0.00	2.57	6.69	3.74	1.15	0.00	0.00	0.00	0.00	3.68	8.57
1595	3.24	1.21	0.00	0.00	0.00	0.00	2.78	7.23	4.05	1.24	0.00	0.00	0.00	0.00	3.97	9.26
1600	3.45	1.29	0.00	0.00	0.00	0.00	2.96	7.70	4.31	1.32	0.00	0.00	0.00	0.00	4.23	9.86
1605	3.60	1.34	0.00	0.00	0.00	0.00	3.09	8.03	4.50	1.38	0.00	0.00	0.00	0.00	4.41	10.29
1610	3.91	1.46	0.00	0.00	0.00	0.00	3.36	8.73	4.89	1.50	0.00	0.00	0.00	0.00	4.80	11.19
1615	4.16	1.55	0.00	0.00	0.00	0.00	3.57	9.28	5.20	1.59	0.00	0.00	0.00	0.00	5.10	11.89
1620	4.39	1.64	0.00	0.00	0.00	0.00	3.77	9.80	5.48	1.68	0.00	0.00	0.00	0.00	5.39	12.55
1625	4.64	1.73	0.00	0.00	0.00	0.00	3.99	10.36	5.80	1.78	0.00	0.00	0.00	0.00	5.69	13.27
1630	4.83	1.80	0.00	0.00	0.00	0.00	4.15	10.78	6.03	1.85	0.00	0.00	0.00	0.00	5.92	13.80
1635	5.07	1.89	0.00	0.00	0.00	0.00	4.36	11.32	6.34	1.94	0.00	0.00	0.00	0.00	6.22	14.50
1645	0.13	0.05	0.00	0.00	0.00	0.00	0.12	0.30								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1650	0.16	0.06	0.00	0.00	0.00	0.00	0.14	0.36								
1655	0.20	0.08	0.00	0.00	0.00	0.00	0.19	0.47								
1660	0.29	0.12	0.00	0.00	0.00	0.00	0.27	0.68								
1665	0.36	0.15	0.00	0.00	0.00	0.00	0.33	0.84								
1675	0.52	0.21	0.00	0.00	0.00	0.00	0.47	1.20								
1680	0.54	0.22	0.00	0.00	0.00	0.00	0.49	1.25								
1685	0.56	0.23	0.00	0.00	0.00	0.00	0.51	1.30								
1690	0.74	0.31	0.00	0.00	0.00	0.00	0.68	1.73								
1695	0.78	0.32	0.00	0.00	0.00	0.00	0.71	1.81								
1700	1.13	0.46	0.00	0.00	0.00	0.00	1.03	2.62								
1705	1.34	0.55	0.00	0.00	0.00	0.00	1.23	3.12								
1715	0.59	0.24	0.00	0.00	0.00	0.00	0.54	1.37								
1720	0.66	0.27	0.00	0.00	0.00	0.00	0.60	1.53								
1725	0.77	0.32	0.00	0.00	0.00	0.00	0.70	1.79								
1730	0.86	0.35	0.00	0.00	0.00	0.00	0.78	1.99								
1735	1.00	0.41	0.00	0.00	0.00	0.00	0.92	2.33								
1750	0.30	0.11	0.00	0.00	0.00	0.00	0.26	0.67	0.37	0.11	0.00	0.00	0.00	0.00	0.37	0.85
1755	0.36	0.13	0.00	0.00	0.00	0.00	0.31	0.80	0.44	0.14	0.00	0.00	0.00	0.00	0.44	1.02
1760	0.44	0.16	0.00	0.00	0.00	0.00	0.38	0.98	0.55	0.17	0.00	0.00	0.00	0.00	0.54	1.26
1765	0.52	0.19	0.00	0.00	0.00	0.00	0.44	1.15	0.65	0.20	0.00	0.00	0.00	0.00	0.64	1.49
1770	0.61	0.23	0.00	0.00	0.00	0.00	0.52	1.36	0.76	0.23	0.00	0.00	0.00	0.00	0.75	1.74
1775	0.75	0.28	0.00	0.00	0.00	0.00	0.64	1.67	0.94	0.29	0.00	0.00	0.00	0.00	0.92	2.15
1780	0.83	0.31	0.00	0.00	0.00	0.00	0.71	1.85	1.03	0.32	0.00	0.00	0.00	0.00	1.02	2.37
1785	1.01	0.38	0.00	0.00	0.00	0.00	0.87	2.26	1.27	0.39	0.00	0.00	0.00	0.00	1.24	2.90
1790	1.07	0.40	0.00	0.00	0.00	0.00	0.92	2.39	1.34	0.41	0.00	0.00	0.00	0.00	1.32	3.07
1795	1.30	0.48	0.00	0.00	0.00	0.00	1.12	2.90	1.62	0.50	0.00	0.00	0.00	0.00	1.59	3.71
1800	1.41	0.52	0.00	0.00	0.00	0.00	1.21	3.14	1.76	0.54	0.00	0.00	0.00	0.00	1.73	4.03
1805	1.54	0.57	0.00	0.00	0.00	0.00	1.32	3.43	1.92	0.59	0.00	0.00	0.00	0.00	1.89	4.40
1810	1.71	0.64	0.00	0.00	0.00	0.00	1.47	3.82	2.13	0.65	0.00	0.00	0.00	0.00	2.09	4.87
1815	1.97	0.74	0.00	0.00	0.00	0.00	1.69	4.40	2.46	0.75	0.00	0.00	0.00	0.00	2.42	5.63
1820	2.14	0.80	0.00	0.00	0.00	0.00	1.84	4.78	2.68	0.82	0.00	0.00	0.00	0.00	2.63	6.13
1825	2.63	0.98	0.00	0.00	0.00	0.00	2.26	5.87	3.28	1.01	0.00	0.00	0.00	0.00	3.22	7.51
1830	3.02	1.13	0.00	0.00	0.00	0.00	2.60	6.75	3.78	1.16	0.00	0.00	0.00	0.00	3.71	8.65
1840	0.35	0.13	0.00	0.00	0.00	0.00	0.30	0.78	0.44	0.13	0.00	0.00	0.00	0.00	0.43	1.00
1845	0.43	0.16	0.00	0.00	0.00	0.00	0.37	0.96	0.53	0.16	0.00	0.00	0.00	0.00	0.52	1.21
1850	0.53	0.20	0.00	0.00	0.00	0.00	0.46	1.19	0.66	0.20	0.00	0.00	0.00	0.00	0.65	1.51
1855	0.63	0.24	0.00	0.00	0.00	0.00	0.55	1.42	0.79	0.24	0.00	0.00	0.00	0.00	0.78	1.81
1860	0.73	0.27	0.00	0.00	0.00	0.00	0.63	1.63	0.91	0.28	0.00	0.00	0.00	0.00	0.90	2.09
1865	0.87	0.33	0.00	0.00	0.00	0.00	0.75	1.95	1.09	0.33	0.00	0.00	0.00	0.00	1.07	2.49
1870	0.97	0.36	0.00	0.00	0.00	0.00	0.83	2.16	1.21	0.37	0.00	0.00	0.00	0.00	1.18	2.76
1875	1.16	0.43	0.00	0.00	0.00	0.00	1.00	2.59	1.45	0.45	0.00	0.00	0.00	0.00	1.43	3.33
1880	1.24	0.46	0.00	0.00	0.00	0.00	1.07	2.77	1.55	0.48	0.00	0.00	0.00	0.00	1.52	3.55
1885	1.59	0.59	0.00	0.00	0.00	0.00	1.37	3.55	1.99	0.61	0.00	0.00	0.00	0.00	1.95	4.55
1890	1.64	0.61	0.00	0.00	0.00	0.00	1.41	3.66	2.06	0.63	0.00	0.00	0.00	0.00	2.02	4.71
1895	1.88	0.70	0.00	0.00	0.00	0.00	1.61	4.19	2.35	0.72	0.00	0.00	0.00	0.00	2.31	5.38
1900	2.07	0.77	0.00	0.00	0.00	0.00	1.78	4.62	2.59	0.79	0.00	0.00	0.00	0.00	2.54	5.92
1905	2.48	0.93	0.00	0.00	0.00	0.00	2.13	5.54	3.10	0.95	0.00	0.00	0.00	0.00	3.04	7.09
1910	2.64	0.99	0.00	0.00	0.00	0.00	2.27	5.90	3.30	1.01	0.00	0.00	0.00	0.00	3.24	7.55
1915	3.36	1.26	0.00	0.00	0.00	0.00	2.89	7.51	4.20	1.29	0.00	0.00	0.00	0.00	4.13	9.62
1920	3.74	1.40	0.00	0.00	0.00	0.00	3.22	8.35	4.68	1.43	0.00	0.00	0.00	0.00	4.60	10.71
1930	1.39	0.52	0.00	0.00	0.00	0.00	1.20	3.11	1.74	0.53	0.00	0.00	0.00	0.00	1.71	3.98
1935	1.45	0.54	0.00	0.00	0.00	0.00	1.25	3.24	1.81	0.56	0.00	0.00	0.00	0.00	1.78	4.15
1940	1.62	0.61	0.00	0.00	0.00	0.00	1.40	3.63	2.03	0.62	0.00	0.00	0.00	0.00	1.99	4.64
1945	2.17	0.81	0.00	0.00	0.00	0.00	1.87	4.85	2.72	0.83	0.00	0.00	0.00	0.00	2.67	6.22
1950	2.43	0.91	0.00	0.00	0.00	0.00	2.09	5.43	3.04	0.93	0.00	0.00	0.00	0.00	2.98	6.95

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	
1955	2.51	0.94	0.00	0.00	0.00	0.00	2.16	5.61	3.14	0.96	0.00	0.00	0.00	0.00	3.08	7.18
1960	2.69	1.00	0.00	0.00	0.00	0.00	2.31	6.00	3.36	1.03	0.00	0.00	0.00	0.00	3.30	7.69
1965	3.42	1.28	0.00	0.00	0.00	0.00	2.94	7.64	4.27	1.31	0.00	0.00	0.00	0.00	4.20	9.78
1970	3.52	1.31	0.00	0.00	0.00	0.00	3.02	7.85	4.40	1.35	0.00	0.00	0.00	0.00	4.32	10.07
1975	4.48	1.67	0.00	0.00	0.00	0.00	3.85	10.00	5.60	1.72	0.00	0.00	0.00	0.00	5.49	12.81
1980	4.61	1.72	0.00	0.00	0.00	0.00	3.96	10.29	5.76	1.77	0.00	0.00	0.00	0.00	5.65	13.18
1985	5.48	2.05	0.00	0.00	0.00	0.00	4.71	12.24	6.85	2.10	0.00	0.00	0.00	0.00	6.72	15.67
1990	5.79	2.16	0.00	0.00	0.00	0.00	4.98	12.93	7.24	2.22	0.00	0.00	0.00	0.00	7.11	16.57
2000	0.82	0.31	0.00	0.00	0.00	0.00	0.71	1.84	1.03	0.32	0.00	0.00	0.00	0.00	1.01	2.36
2005	1.06	0.39	0.00	0.00	0.00	0.00	0.91	2.36	1.32	0.41	0.00	0.00	0.00	0.00	1.30	3.03
2010	1.45	0.54	0.00	0.00	0.00	0.00	1.24	3.23	1.81	0.55	0.00	0.00	0.00	0.00	1.78	4.14
2015	1.92	0.72	0.00	0.00	0.00	0.00	1.65	4.29	2.40	0.73	0.00	0.00	0.00	0.00	2.35	5.48
2020	2.86	1.07	0.00	0.00	0.00	0.00	2.46	6.39	3.58	1.10	0.00	0.00	0.00	0.00	3.51	8.19
2025	3.26	1.22	0.00	0.00	0.00	0.00	2.80	7.28	4.08	1.25	0.00	0.00	0.00	0.00	4.01	9.34
2030	3.95	1.48	0.00	0.00	0.00	0.00	3.40	8.83	4.94	1.52	0.00	0.00	0.00	0.00	4.85	11.31
2035	4.81	1.80	0.00	0.00	0.00	0.00	4.13	10.74	6.01	1.84	0.00	0.00	0.00	0.00	5.90	13.75
2040	5.83	2.18	0.00	0.00	0.00	0.00	5.01	13.02	7.29	2.24	0.00	0.00	0.00	0.00	7.16	16.69
2045	6.77	2.53	0.00	0.00	0.00	0.00	5.82	15.12	8.47	2.60	0.00	0.00	0.00	0.00	8.31	19.38
2055	0.22	0.06	0.32	0.08	0.00	0.00	0.35	1.03								
2060	0.22	0.06	0.32	0.08	0.00	0.00	0.35	1.03								
2065	0.40	0.10	0.43	0.10	0.00	0.00	0.63	1.66								
2070	0.31	0.08	0.53	0.13	0.00	0.00	0.49	1.54								
2075	0.40	0.10	0.64	0.15	0.00	0.00	0.63	1.92								
2080	0.17	0.05	0.43	0.10	0.00	0.00	0.27	1.02								
2085	0.24	0.06	0.75	0.18	0.00	0.00	0.39	1.62								
2090	0.24	0.06	0.43	0.10	0.00	0.00	0.39	1.22								
2095	0.30	0.08	0.43	0.10	0.00	0.00	0.48	1.39								
2100	0.22	0.06	0.43	0.10	0.00	0.00	0.35	1.16								
2105	0.41	0.11	0.25	0.06	0.00	0.00	0.66	1.49								
2110	0.74	0.20	0.25	0.06	0.00	0.00	1.19	2.44								
2115	1.11	0.29	0.35	0.08	0.00	0.00	1.77	3.60								
2120	0.96	0.25	0.25	0.06	0.00	0.00	1.53	3.05								
2125	1.19	0.31	0.20	0.05	0.00	0.00	1.90	3.65								
2130	1.65	0.43	0.40	0.10	0.00	0.00	2.63	5.21								
2135	2.08	0.55	0.65	0.16	0.00	0.00	3.33	6.77								
2140	0.45	0.12	0.96	0.23	0.00	0.00	0.72	2.48								
2145	0.47	0.13	0.35	0.08	0.00	0.00	0.76	1.79								
2150	1.59	0.42	0.55	0.13	0.00	0.00	2.55	5.24								
2155	1.46	0.39	0.40	0.10	0.00	0.00	2.34	4.69								
2160	1.65	0.43	0.40	0.10	0.00	0.00	2.63	5.21								
2170	0.24	0.06	0.42	0.13	0.00	0.00	0.24	1.09								
2180	0.19	0.05	0.58	0.19	0.00	0.00	0.20	1.21								
2185	0.76	0.20	1.33	0.43	0.00	0.00	0.79	3.51								
2190	0.98	0.26	1.33	0.43	0.00	0.00	1.02	4.02								
2200	0.07	0.02	0.03	0.02	0.02	0.00	0.08	0.24								
2205	0.08	0.02	0.03	0.02	0.02	0.00	0.08	0.25								
2210	0.26	0.07	0.58	0.19	0.02	0.00	0.28	1.40								
2215	0.21	0.06	0.58	0.19	0.02	0.00	0.22	1.28								
2225	10.46	4.33	5.07	1.42	0.00	0.00	12.52	33.80								
2230	18.45	7.63	7.43	2.08	0.00	0.00	22.09	57.68								
2235	32.48	13.44	8.93	2.50	0.00	0.00	38.89	96.24								
2245	2.15	0.90	5.02	1.61	0.04	0.01	2.58	12.31								
2250	9.85	4.08	3.57	1.00	0.00	0.00	11.79	30.29								
2260	2.60	0.81	0.63	0.18	0.07	0.01	2.84	7.14								
2265	2.98	0.93	1.05	0.29	0.07	0.01	3.27	8.60								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
2270	0.84	0.26	0.00	0.19	0.04	0.01	0.92	2.26									
2275	1.67	0.52	0.00	0.31	0.04	0.01	1.82	4.37									
2285	4.71	1.44	3.26	0.91	0.02	0.00	5.15	15.49									
2295	5.59	1.72	5.79	1.62	0.02	0.00	6.11	20.85									
2300	15.19	4.69	13.99	3.92	0.27	0.04	16.62	54.72									
2310	4.77	1.46	3.53	0.99	0.02	0.00	5.22	15.99									
2315	7.39	2.29	8.00	2.24	0.15	0.02	8.09	28.18									
2320	7.59	2.35	8.00	2.24	0.15	0.02	8.31	28.66									
2325	10.14	3.11	9.32	2.61	0.07	0.01	11.09	36.35									
2330	13.02	3.99	15.79	4.42	0.07	0.01	14.23	51.53									
2335	15.44	4.82	11.66	3.27	0.66	0.10	16.93	52.88									
2340	22.28	6.92	11.66	3.27	0.68	0.10	24.40	69.31									
2345	27.32	8.50	15.93	4.46	0.93	0.14	29.94	87.22									
2355	0.16	0.06	0.85	0.27	0.00	0.00	0.19	1.53									
2360	0.20	0.07	1.28	0.41	0.00	0.00	0.24	2.20									
2365	0.20	0.07	1.49	0.48	0.00	0.00	0.24	2.48									
2370	0.45	0.15	1.49	0.48	0.00	0.00	0.53	3.10									
2375	0.57	0.19	1.92	0.61	0.00	0.00	0.67	3.96									
2380	0.65	0.22	3.19	1.02	0.00	0.00	0.76	5.84									
2385	0.95	0.32	3.73	1.19	0.00	0.00	1.11	7.30									
2390	1.28	0.43	6.92	2.21	0.00	0.00	1.49	12.33									
2400	13.23	6.41	2.62	0.84	0.00	0.00	12.00	35.10	15.88	6.52	3.32	1.06	0.00	0.00	16.46	43.24	
2405	14.68	8.75	3.21	0.64	0.00	0.00	15.22	42.50	16.94	8.84	4.07	0.81	0.00	0.00	19.76	50.42	
2410	14.77	8.81	2.57	0.51	0.00	0.00	12.44	39.10	17.05	8.89	3.32	0.66	0.00	0.00	15.46	45.38	
2420	16.12	9.60	2.57	0.51	0.00	0.00	13.57	42.37	18.59	9.70	3.32	0.66	0.00	0.00	16.86	49.13	
2430	16.83	10.03	2.82	0.56	0.00	0.00	14.17	44.41	19.42	10.13	3.64	0.73	0.00	0.00	17.61	51.53	
2440	20.11	11.98	4.74	0.95	0.00	0.00	20.84	58.62	23.20	12.10	6.00	1.20	0.00	0.00	27.05	69.55	
2445	19.68	11.73	3.79	0.76	0.00	0.00	16.57	52.53	22.71	11.85	4.90	0.98	0.00	0.00	20.59	61.03	
2455	17.39	12.30	3.79	0.83	0.00	0.00	16.90	51.21	19.56	12.39	4.90	1.08	0.00	0.00	20.27	58.20	
2465	21.31	15.08	3.79	0.83	0.00	0.00	20.71	61.72	23.98	15.18	4.90	1.08	0.00	0.00	24.85	69.99	
2475	29.10	20.58	6.47	1.42	0.00	0.00	28.27	85.84	32.74	20.73	8.36	1.84	0.00	0.00	33.93	97.60	
2485	30.42	21.52	6.47	1.42	0.00	0.00	29.56	89.39	34.22	21.67	8.36	1.84	0.00	0.00	35.47	101.56	
2490	29.29	20.72	8.09	1.78	0.00	0.00	34.15	94.03	32.95	20.86	10.25	2.26	0.00	0.00	42.68	109.00	
2500	32.94	23.30	6.47	1.42	0.00	0.00	32.00	96.13	37.05	23.46	8.36	1.84	0.00	0.00	38.40	109.11	
2510	31.16	24.35	6.47	1.55	0.00	0.00	34.31	97.84	34.62	24.49	8.36	2.01	0.00	0.00	40.36	109.84	
2520	32.75	25.60	6.47	1.55	0.00	0.00	36.06	102.43	36.39	25.74	8.36	2.01	0.00	0.00	42.42	114.92	
2535	14.01	6.79	3.24	1.04	0.00	0.00	12.70	37.78	16.81	6.90	4.11	1.31	0.00	0.00	17.42	46.55	
2540	11.45	6.82	2.59	0.52	0.00	0.00	9.64	31.02	13.21	6.89	3.35	0.67	0.00	0.00	11.98	36.10	
2550	21.73	8.92	4.74	0.95	0.00	0.00	22.52	58.86	27.17	9.13	6.23	1.25	0.00	0.00	31.67	75.45	
2555	16.14	9.62	4.06	0.81	0.00	0.00	16.73	47.36	18.62	9.72	5.14	1.03	0.00	0.00	21.71	56.22	
2560	16.22	9.67	3.25	0.65	0.00	0.00	13.66	43.45	18.72	9.77	4.20	0.84	0.00	0.00	16.97	50.50	
2570	30.94	12.69	5.86	1.17	0.00	0.00	32.06	82.72	38.67	13.00	7.70	1.54	0.00	0.00	45.09	106.00	
2575	21.14	12.60	5.02	1.00	0.00	0.00	21.91	61.67	24.39	12.73	6.36	1.27	0.00	0.00	28.44	73.19	
2585	36.89	17.88	6.74	1.48	0.00	0.00	43.01	106.00	44.27	18.16	8.86	1.95	0.00	0.00	57.34	130.58	
2590	35.31	17.11	6.74	1.48	0.00	0.00	41.17	101.81	42.37	17.39	8.86	1.95	0.00	0.00	54.89	125.46	
2595	24.32	17.21	5.78	1.27	0.00	0.00	28.36	76.94	27.36	17.32	7.32	1.61	0.00	0.00	35.45	89.06	
2600	23.79	16.83	4.62	1.02	0.00	0.00	23.12	69.38	26.77	16.95	5.97	1.31	0.00	0.00	27.74	78.74	
2610	29.95	21.19	5.48	1.21	0.00	0.00	29.10	86.93	33.69	21.33	7.08	1.56	0.00	0.00	34.92	98.58	
2615	28.62	20.25	6.85	1.51	0.00	0.00	33.37	90.60	32.20	20.39	8.68	1.91	0.00	0.00	41.71	104.89	
2625	44.45	21.54	8.09	1.78	0.00	0.00	51.82	127.68	53.34	21.89	10.64	2.34	0.00	0.00	69.10	157.31	
2630	42.04	20.37	8.09	1.78	0.00	0.00	49.02	121.30	50.45	20.70	10.64	2.34	0.00	0.00	65.35	149.48	
2635	26.58	18.80	6.94	1.53	0.00	0.00	30.99	84.84	29.90	18.93	8.79	1.93	0.00	0.00	38.74	98.29	
2645	57.62	29.15	12.01	2.88	0.00	0.00	77.06	178.72	67.22	29.53	15.78	3.79	0.00	0.00	98.08	214.40	
2650	31.15	24.35	10.29	2.47	0.00	0.00	40.36	108.62	34.61	24.49	13.04	3.13	0.00	0.00	49.33	124.60	
2665	11.14	6.64	2.48	0.50	0.00	0.00	9.38	30.14	12.86	6.71	3.21	0.64	0.00	0.00	11.66	35.08	

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	
2675	14.67	10.38	3.72	0.82	0.00	0.00	14.25	43.84	16.50	10.45	4.81	1.06	0.00	0.00	17.10	49.92
2685	20.14	14.25	3.86	0.85	0.00	0.00	19.57	58.67	22.66	14.35	4.98	1.10	0.00	0.00	23.48	66.57
2695	30.35	21.47	5.53	1.22	0.00	0.00	29.48	88.05	34.14	21.61	7.14	1.57	0.00	0.00	35.38	99.84
2710	20.94	14.81	8.09	1.78	0.00	0.00	24.41	70.03	23.56	14.91	10.25	2.26	0.00	0.00	30.52	81.50
2715	23.01	16.27	6.47	1.42	0.00	0.00	22.35	69.52	25.88	16.39	8.36	1.04	0.00	0.00	26.82	79.29
2730	27.18	19.23	6.77	1.49	0.00	0.00	26.41	81.08	30.58	19.36	8.74	1.92	0.00	0.00	31.69	92.29
2740	35.22	24.92	10.15	2.23	0.00	0.00	41.07	113.59	39.63	25.09	12.86	2.83	0.00	0.00	51.34	131.75
2745	34.04	26.61	8.12	1.95	0.00	0.00	37.48	108.20	37.82	26.76	10.49	2.52	0.00	0.00	44.10	121.69
2755	50.26	39.28	15.45	3.71	0.00	0.00	55.34	164.04	55.84	39.50	19.96	4.79	0.00	0.00	65.11	185.20
2760	49.73	38.87	19.32	4.64	0.00	0.00	64.43	176.99	55.26	39.09	24.47	5.87	0.00	0.00	78.74	203.43
2775	14.97	8.92	6.71	1.34	0.00	0.00	15.52	47.46	17.28	9.01	8.50	1.70	0.00	0.00	20.14	56.63
2780	14.81	8.82	5.37	1.07	0.00	0.00	12.47	42.54	17.08	8.91	6.94	1.39	0.00	0.00	15.49	49.81
2790	37.15	15.24	8.65	1.73	0.00	0.00	38.50	101.27	46.44	15.61	11.37	2.27	0.00	0.00	54.14	129.83
2795	21.33	12.71	7.42	1.48	0.00	0.00	22.11	65.05	24.61	12.84	9.39	1.88	0.00	0.00	28.70	77.42
2800	20.98	12.50	5.93	1.19	0.00	0.00	17.67	58.27	24.21	12.63	7.66	1.53	0.00	0.00	21.95	67.98
2810	20.20	14.29	8.57	1.89	0.00	0.00	23.55	68.50	22.72	14.39	10.86	2.39	0.00	0.00	29.44	79.80
2815	19.90	14.08	6.86	1.51	0.00	0.00	19.34	61.69	22.39	14.18	8.86	1.95	0.00	0.00	23.21	70.59
2825	50.10	24.28	11.78	2.59	0.00	0.00	58.41	147.16	60.12	24.67	15.48	3.41	0.00	0.00	77.88	181.56
2830	28.98	20.50	10.10	2.22	0.00	0.00	33.79	95.59	32.61	20.64	12.79	2.81	0.00	0.00	42.24	111.09
2835	30.16	21.33	8.08	1.78	0.00	0.00	29.30	90.65	33.93	21.48	10.43	2.30	0.00	0.00	35.16	103.30
2845	27.89	21.80	12.86	3.09	0.00	0.00	36.13	101.77	30.99	21.92	16.29	3.91	0.00	0.00	44.16	117.27
2850	32.64	23.09	10.29	2.26	0.00	0.00	31.71	99.99	36.72	23.25	13.29	2.92	0.00	0.00	38.06	114.24
2865	16.43	9.79	3.95	0.79	0.00	0.00	17.03	47.99	18.96	9.89	5.00	1.00	0.00	0.00	22.10	56.95
2870	14.11	9.98	3.16	0.69	0.00	0.00	13.71	41.65	15.88	10.05	4.08	0.90	0.00	0.00	16.45	47.36
2880	20.53	12.23	5.58	1.12	0.00	0.00	21.28	60.74	23.69	12.36	7.07	1.41	0.00	0.00	27.62	72.15
2885	17.78	12.58	4.47	0.98	0.00	0.00	17.28	53.09	20.00	12.66	5.77	1.27	0.00	0.00	20.73	60.43
2890	20.61	14.58	6.66	1.46	0.00	0.00	24.03	67.34	23.19	14.68	8.43	1.85	0.00	0.00	30.04	78.19
2895	21.75	15.38	5.32	1.17	0.00	0.00	21.13	64.75	24.47	15.49	6.88	1.51	0.00	0.00	25.36	73.71
2900	57.58	45.01	8.53	2.05	0.00	0.00	63.41	176.58	63.98	45.26	11.01	2.64	0.00	0.00	74.60	197.49
2910	5.72	3.42	4.00	1.20	0.94	0.14	4.91	20.33								
2915	6.15	3.67	4.11	1.23	0.94	0.14	5.27	21.51								
2920	6.85	4.11	4.11	1.23	1.23	0.18	5.87	23.58								
2925	7.51	4.50	4.11	1.23	1.27	0.19	6.44	25.25								
2930	10.04	5.99	5.57	1.67	1.12	0.17	8.60	33.16								
2935	13.77	8.30	6.07	1.82	2.71	0.41	11.81	44.89								
2940	16.32	9.89	6.07	1.82	3.56	0.53	14.02	52.21								
2945	20.25	12.19	7.43	2.23	3.83	0.58	17.37	63.88								
2950	25.95	15.73	8.22	2.46	5.64	0.85	22.29	81.14								
2955	49.01	29.68	18.29	5.49	10.47	1.57	42.09	156.60								
2965	5.87	3.50	4.07	1.22	0.88	0.13	5.03	20.70								
2970	6.28	3.73	4.32	1.30	0.88	0.13	5.38	22.02								
2975	9.68	5.81	6.43	1.93	1.73	0.26	8.30	34.14								
2985	6.38	3.80	4.46	1.34	0.95	0.14	5.46	22.53								
2990	6.96	4.13	4.46	1.34	0.95	0.14	5.96	23.94								
2995	7.41	4.39	4.57	1.37	0.95	0.14	6.34	25.17								
3000	7.44	4.41	4.57	1.37	0.95	0.14	6.37	25.25								
3005	9.22	5.47	5.54	1.66	1.22	0.18	7.89	31.18								
3010	9.50	5.63	5.54	1.66	1.22	0.18	8.13	31.86								
3015	9.84	5.82	5.54	1.66	1.22	0.18	8.41	32.67								
3020	12.87	7.79	7.22	2.16	2.71	0.41	11.05	44.21								
3025	13.27	8.06	7.22	2.16	3.03	0.45	11.40	45.59								
3030	13.79	8.36	7.22	2.16	3.03	0.45	11.84	46.85								
3035	17.77	10.76	8.39	2.52	3.83	0.58	15.26	59.11								
3045	5.19	3.04	4.21	1.26	0.45	0.07	4.44	18.66								
3050	5.32	3.13	4.21	1.26	0.55	0.08	4.54	19.09								

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
3055	5.52	3.25	4.21	1.26	0.55	0.08	4.72	19.59								
3060	6.31	3.76	4.21	1.26	0.95	0.14	5.41	22.04								
3065	10.41	6.28	6.29	1.89	2.03	0.30	8.93	36.13								
3070	11.31	6.90	6.29	1.89	2.71	0.41	9.72	39.23								
3075	14.13	8.51	6.72	2.01	2.71	0.41	12.12	46.61								
3085	9.54	6.26	6.14	1.60	0.86	0.13	6.99	31.52	10.73	6.31	7.86	2.04	1.04	0.16	8.52	36.66
3090	16.59	10.81	8.74	2.27	1.13	0.17	12.14	51.85	18.66	10.90	11.24	2.92	1.37	0.21	14.79	60.09
3100	11.01	6.04	6.14	2.21	0.56	0.08	6.71	32.75	12.71	6.11	8.08	2.91	0.69	0.10	8.52	39.12
3105	10.99	7.22	7.25	1.89	1.06	0.16	8.05	36.62	12.36	7.27	9.54	2.48	1.30	0.19	9.81	42.95
3110	13.74	8.98	7.61	1.98	1.08	0.16	10.06	43.61	15.46	9.05	10.01	2.60	1.32	0.20	12.26	50.90
3115	18.04	13.23	8.91	2.32	2.77	0.42	15.45	61.14	20.05	13.32	11.44	2.98	3.42	0.51	18.39	70.11
3120	28.12	20.35	9.25	2.41	2.77	0.42	24.03	87.35	31.24	20.47	11.84	3.08	3.42	0.51	28.60	99.16
3125	28.16	24.73	14.12	3.67	3.19	0.48	29.34	103.69	30.97	24.84	18.17	4.72	3.94	0.59	34.29	117.52
3135	10.13	5.59	7.72	2.78	0.66	0.10	6.18	33.16	11.69	5.65	10.15	3.65	0.82	0.12	7.85	39.93
3140	9.60	6.26	7.72	2.01	0.66	0.10	7.02	33.37	10.80	6.30	10.15	2.64	0.82	0.12	8.56	39.39
3145	14.14	9.23	8.50	2.21	1.05	0.16	10.35	45.64	15.90	9.30	11.19	2.91	1.27	0.19	12.61	53.37
3155	10.86	5.96	7.50	2.70	0.59	0.09	6.62	34.32	12.53	6.03	9.87	3.55	0.72	0.11	8.40	41.21
3160	11.43	7.49	8.72	2.27	1.03	0.15	8.37	39.46	12.86	7.55	11.47	2.98	1.26	0.19	10.20	46.51
3165	12.39	8.11	8.50	2.21	1.03	0.15	9.07	41.46	13.94	8.17	11.19	2.91	1.26	0.19	11.06	48.72
3170	13.92	10.13	11.50	2.99	1.73	0.26	11.90	52.43	15.46	10.19	15.13	3.93	2.14	0.32	14.17	61.34
3180	18.90	12.42	5.81	1.51	1.85	0.28	13.85	54.62	21.27	12.51	7.39	1.92	2.28	0.34	16.88	62.59
3185	17.35	12.58	5.81	1.51	1.85	0.28	14.83	54.21	19.28	12.66	7.39	1.92	2.28	0.34	17.65	61.52
3190	21.45	15.47	9.25	2.41	1.85	0.28	18.31	69.02	23.83	15.57	11.93	3.10	2.28	0.34	21.80	78.85
3195	23.00	16.64	10.11	2.63	2.25	0.34	19.65	74.62	25.55	16.74	12.93	3.36	2.78	0.42	23.39	85.17
3200	28.28	24.65	12.07	3.14	2.25	0.34	29.42	100.15	31.11	24.76	15.51	4.03	2.78	0.42	34.39	113.00
3205	39.52	34.74	13.14	3.42	4.66	0.70	41.19	137.37	43.48	34.90	16.76	4.36	5.75	0.86	48.14	154.25
3215	16.42	10.83	5.63	1.46	1.85	0.28	12.04	48.51	18.47	10.91	7.15	1.86	2.28	0.34	14.67	55.68
3220	22.14	15.99	8.16	2.12	2.02	0.30	18.91	69.64	24.60	16.09	10.40	2.71	2.49	0.37	22.51	79.17
3225	22.14	19.39	8.38	2.18	2.25	0.34	23.06	77.74	24.36	19.48	10.69	2.78	2.78	0.42	26.95	87.46
3235	20.25	14.66	9.43	2.45	2.02	0.30	17.30	66.41	22.50	14.75	12.12	3.15	2.49	0.37	20.60	75.98
3240	21.06	18.48	9.93	2.58	2.30	0.35	21.94	76.64	23.16	18.57	12.76	3.32	2.82	0.42	25.64	86.69
3250	13.86	7.61	4.32	1.56	0.76	0.11	8.45	36.67	15.99	7.69	5.48	1.97	0.95	0.14	10.72	42.94
3255	12.86	8.38	4.57	1.19	0.89	0.13	9.41	37.43	14.47	8.45	5.79	1.51	1.10	0.16	11.47	42.95
3260	14.38	9.40	4.84	1.26	1.16	0.17	10.53	41.74	16.17	9.47	6.13	1.59	1.43	0.21	12.83	47.83
3265	18.43	12.12	6.51	1.69	1.85	0.28	13.51	54.39	20.74	12.21	8.31	2.16	2.28	0.34	16.46	62.50
3270	20.78	15.07	8.21	2.14	2.25	0.34	17.76	66.55	23.08	15.16	10.44	2.71	2.78	0.42	21.14	75.73
3275	23.34	20.42	10.00	2.60	2.25	0.34	24.30	83.25	25.67	20.51	12.79	3.32	2.78	0.42	28.40	93.89
3280	49.84	43.34	16.22	4.22	3.47	0.52	51.82	169.43	54.82	43.54	20.86	5.42	4.28	0.64	60.57	190.13
3290	10.56	9.23	2.43	6.28	0.00	0.00	12.59	41.09								
3295	0.46	0.41	0.00	0.00	0.00	0.00	0.55	1.42								
3300	1.71	1.50	0.00	0.00	0.00	0.00	2.04	5.25								
3305	13.27	11.60	4.25	7.20	0.00	0.00	15.82	52.14								
3310	0.46	0.41	0.00	0.00	0.00	0.00	0.55	1.42								
3315	1.71	1.50	0.00	0.00	0.00	0.00	2.04	5.25								
3320	16.24	14.19	4.25	7.20	0.00	0.00	19.36	61.24								
3325	0.59	0.51	0.00	0.00	0.00	0.00	0.70	1.80								
3330	1.78	1.56	0.00	0.00	0.00	0.00	2.13	5.47								
3335	18.80	16.44	6.68	8.41	0.00	0.00	22.42	72.75								
3340	0.63	0.55	0.00	0.00	0.00	0.00	0.75	1.93								
3345	3.37	2.94	0.00	0.00	0.00	0.00	4.02	10.33								
3350	19.90	17.39	6.68	8.41	0.00	0.00	23.73	76.11								
3355	0.59	0.51	0.00	0.00	0.00	0.00	0.70	1.80								
3360	3.53	3.08	0.00	0.00	0.00	0.00	4.21	10.82								
3370	5.64	2.30	0.00	0.79	0.00	0.00	6.44	15.17								
3375	5.34	2.18	0.00	0.79	0.00	0.00	6.09	14.40								

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	
3380	5.86	2.39	0.00	0.79	0.00	0.00	6.69	15.73								
3385	6.98	2.85	0.00	0.84	0.00	0.00	7.97	18.64								
3390	7.89	3.22	0.00	0.89	0.00	0.00	9.01	21.01								
3400	6.29	2.56	0.00	0.79	0.00	0.00	7.18	16.82								
3405	6.85	2.79	0.00	0.84	0.00	0.00	7.82	18.30								
3410	9.45	3.85	4.42	1.06	0.00	0.00	10.79	29.57								
3420	3.11	1.27	0.00	0.50	0.00	0.00	3.55	8.43								
3425	5.49	2.24	0.00	0.80	0.00	0.00	6.26	14.79								
3430	6.47	2.64	0.00	0.80	0.00	0.00	7.39	17.30								
3435	8.01	3.26	0.00	0.90	0.00	0.00	9.14	21.31								
3440	17.11	6.97	7.29	1.75	0.00	0.00	19.52	52.64								
3450	1.40	0.57	0.00	0.31	0.00	0.00	1.60	3.88								
3455	0.90	0.37	0.00	0.31	0.00	0.00	1.02	2.60								
3460	0.13	0.05	0.00	0.25	0.00	0.00	0.15	0.58								
3470	2.38	0.97	1.94	0.47	0.00	0.00	2.71	8.47								
3475	1.63	0.66	0.88	0.21	0.00	0.00	1.86	5.24								
3485	1.34	0.55	1.14	0.18	0.00	0.00	1.53	4.74								
3490	2.05	0.83	2.94	0.47	0.00	0.00	2.34	8.63								
3495	2.44	0.99	1.77	0.42	0.00	0.00	2.78	8.40								
3500	2.80	1.14	2.39	0.57	0.00	0.00	3.19	10.09								
3505	3.36	1.37	2.65	0.64	0.00	0.00	3.84	11.86								
3515	1.41	0.58	1.71	0.27	0.00	0.00	1.61	5.58								
3520	2.19	0.89	2.16	0.52	0.00	0.00	2.50	8.26								
3530	12.98	7.68	9.28	3.53	0.00	0.00	14.81	48.28								
3535	16.81	10.10	13.43	5.10	1.39	0.21	19.24	66.28								
3540	15.65	9.38	19.22	7.30	0.99	0.15	17.90	70.59								
3550	17.21	10.33	16.41	6.23	1.25	0.19	19.70	71.32								
3555	24.98	15.02	14.80	5.62	1.99	0.30	28.60	91.31								
3560	28.31	16.99	15.46	5.88	1.99	0.30	32.39	101.32								
3565	20.93	12.39	18.11	6.88	0.00	0.00	23.89	82.20								
3570	24.29	14.38	18.11	6.88	0.00	0.00	27.72	91.38								
3575	25.18	19.55	23.15	7.41	0.00	0.00	28.74	104.03								
3580	46.27	35.92	41.06	20.53	0.00	0.00	26.40	170.18								
3600	1.30	0.54	0.73	0.33	0.06	0.01	1.18	4.15								
3605	1.30	0.55	0.73	0.33	0.06	0.01	1.18	4.16								
3610	1.37	0.58	0.73	0.33	0.08	0.01	1.25	4.35								
3615	1.90	0.80	1.30	0.58	0.09	0.01	1.73	6.41								
3620	1.94	0.81	1.30	0.58	0.09	0.01	1.76	6.49								
3625	2.14	0.90	1.90	0.86	0.09	0.01	1.95	7.85								
3630	2.63	1.11	2.15	0.97	0.14	0.02	2.40	9.42								
3635	2.77	1.16	2.15	0.97	0.12	0.02	2.52	9.71								
3640	2.95	1.23	2.15	0.97	0.09	0.01	2.68	10.08								
3645	1.25	0.52	2.86	0.69	0.03	0.00	1.14	6.49								
3650	1.62	0.69	3.71	0.89	0.12	0.02	1.48	8.53								
3655	1.61	0.70	3.71	0.89	0.22	0.03	1.48	8.64								
3660	2.30	0.97	4.86	1.17	0.15	0.02	2.09	11.56								
3665	2.33	0.98	4.86	1.17	0.15	0.02	2.12	11.63								
3670	2.42	1.02	4.86	1.17	0.15	0.02	2.21	11.85								
3675	3.48	1.47	2.36	0.57	0.23	0.03	3.17	11.31								
3680	3.75	1.59	2.50	0.60	0.23	0.03	3.42	12.12								
3685	4.87	2.10	4.46	1.07	0.50	0.07	4.46	17.53								
3690	5.33	2.29	4.46	1.07	0.50	0.07	4.87	18.59								
3695	5.49	2.35	4.46	1.07	0.50	0.08	5.02	18.97								
3700	6.12	2.64	4.46	1.07	0.65	0.10	5.60	20.64								
3705	2.17	0.93	2.43	0.58	0.21	0.03	1.98	8.33								

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
3710	2.22	0.95	2.43	0.58	0.21	0.03	2.03	8.45								
3715	2.71	1.15	2.43	0.58	0.21	0.03	2.47	9.58								
3720	2.73	1.20	2.43	0.58	0.39	0.06	2.51	9.90								
3730	1.25	0.54	4.86	1.17	0.14	0.02	1.14	9.12								
3735	1.83	0.78	6.18	1.48	0.15	0.02	1.67	12.11								
3740	3.64	1.53	8.96	2.15	0.19	0.03	3.32	19.82								
3745	4.86	2.10	9.81	2.35	0.51	0.08	4.45	24.16								
3750	5.68	2.43	9.81	2.35	0.51	0.08	5.19	26.05								
3755	5.67	2.45	9.81	2.35	0.59	0.09	5.19	26.15								
3760	6.16	2.63	9.81	2.35	0.50	0.08	5.63	27.16								
3765	12.57	5.36	14.67	3.52	1.04	0.16	11.47	48.79								
3780	1.77	0.54	5.29	1.27	0.00	0.00	1.32	10.19	2.03	0.55	6.96	1.67	0.00	0.00	1.76	12.97
3785	2.32	0.71	6.68	1.60	0.00	0.00	1.72	13.03	2.65	0.73	8.79	2.11	0.00	0.00	2.30	16.58
3790	2.50	0.77	7.86	1.89	0.00	0.00	1.86	14.88	2.86	0.78	10.34	2.48	0.00	0.00	2.48	18.94
3795	2.69	0.83	10.36	2.49	0.00	0.00	2.00	18.37	3.07	0.84	13.63	3.27	0.00	0.00	2.66	23.47
3800	3.07	0.94	13.22	3.17	0.00	0.00	2.28	22.68	3.51	0.96	17.39	4.17	0.00	0.00	3.04	29.07
3805	3.65	1.12	13.22	3.17	0.00	0.00	2.71	23.87	4.18	1.14	17.39	4.17	0.00	0.00	3.62	30.50
3810	4.07	1.25	16.07	3.86	0.00	0.00	3.03	28.28	4.65	1.27	21.15	5.08	0.00	0.00	4.03	36.18
3815	4.92	1.51	17.86	4.29	0.00	0.00	3.65	32.23	5.62	1.54	23.50	5.64	0.00	0.00	4.87	41.17
3820	6.66	2.04	23.22	5.57	0.00	0.00	4.95	42.44	7.61	2.08	30.55	7.33	0.00	0.00	6.59	54.16
3825	8.88	2.73	30.18	7.24	0.00	0.00	6.59	55.62	10.14	2.78	39.71	9.53	0.00	0.00	8.79	70.95
3830	12.08	3.71	44.65	10.72	0.00	0.00	8.98	80.14	13.81	3.78	58.75	14.10	0.00	0.00	11.97	102.41
3835	15.82	4.86	51.79	12.43	0.00	0.00	11.76	96.66	18.08	4.95	68.15	16.36	0.00	0.00	15.67	123.21
3845	0.09	0.03	0.39	0.09	0.00	0.00	0.06	0.66	0.10	0.03	0.50	0.12	0.00	0.00	0.09	0.84
3850	0.14	0.04	0.62	0.15	0.00	0.00	0.10	1.05	0.16	0.04	0.80	0.19	0.00	0.00	0.14	1.33
3855	0.18	0.05	0.93	0.22	0.00	0.00	0.13	1.51	0.20	0.06	1.21	0.29	0.00	0.00	0.18	1.94
3870	0.16	0.05	0.46	0.11	0.00	0.00	0.12	0.90	0.18	0.05	0.60	0.14	0.00	0.00	0.16	1.13
3875	0.35	0.11	1.08	0.26	0.00	0.00	0.26	2.06	0.40	0.11	1.41	0.34	0.00	0.00	0.35	2.61
3880	0.38	0.12	1.54	0.37	0.00	0.00	0.29	2.70	0.44	0.12	2.01	0.48	0.00	0.00	0.38	3.43
3885	0.41	0.12	0.21	0.05	0.00	0.00	0.30	1.09	0.47	0.13	0.28	0.07	0.00	0.00	0.40	1.35
3890	0.54	0.17	0.43	0.10	0.00	0.00	0.40	1.64	0.62	0.17	0.56	0.14	0.00	0.00	0.53	2.02
3895	0.78	0.24	0.79	0.19	0.00	0.00	0.58	2.58	0.89	0.24	1.03	0.25	0.00	0.00	0.77	3.18
3900	0.80	0.25	0.96	0.23	0.00	0.00	0.60	2.84	0.92	0.25	1.27	0.30	0.00	0.00	0.80	3.54
3905	1.19	0.37	2.25	0.54	0.00	0.00	0.88	5.23	1.36	0.37	2.96	0.71	0.00	0.00	1.18	6.58
3910	1.57	0.48	3.11	0.75	0.00	0.00	1.17	7.08	1.80	0.49	4.09	0.98	0.00	0.00	1.56	8.92
3915	1.80	0.55	3.64	0.87	0.00	0.00	1.34	8.20	2.06	0.56	4.79	1.15	0.00	0.00	1.79	10.35
3920	2.15	0.66	5.79	1.39	0.00	0.00	1.59	11.58	2.45	0.67	7.61	1.83	0.00	0.00	2.13	14.69
3925	2.25	0.69	5.79	1.39	0.00	0.00	1.67	11.79	2.57	0.70	7.61	1.83	0.00	0.00	2.23	14.94
3930	2.62	0.80	7.50	1.80	0.00	0.00	1.94	14.66	2.99	0.82	9.87	2.37	0.00	0.00	2.59	18.64
3935	3.11	0.95	9.86	2.37	0.00	0.00	2.31	18.60	3.55	0.97	12.97	3.11	0.00	0.00	3.08	23.68
3945	0.10	0.03	0.39	0.09	0.00	0.00	0.07	0.68	0.11	0.03	0.50	0.12	0.00	0.00	0.10	0.86
3950	0.11	0.03	0.54	0.13	0.00	0.00	0.08	0.89	0.12	0.03	0.70	0.17	0.00	0.00	0.11	1.13
3955	0.15	0.05	0.62	0.15	0.00	0.00	0.11	1.08	0.17	0.05	0.80	0.19	0.00	0.00	0.15	1.36
3960	0.19	0.06	0.77	0.19	0.00	0.00	0.14	1.35	0.21	0.06	1.01	0.24	0.00	0.00	0.19	1.71
3965	0.20	0.06	1.24	0.30	0.00	0.00	0.15	1.95	0.23	0.06	1.61	0.39	0.00	0.00	0.20	2.49
3970	0.19	0.06	1.24	0.30	0.00	0.00	0.14	1.93	0.21	0.06	1.61	0.39	0.00	0.00	0.19	2.46
3985	6.38	3.53	4.11	1.40	0.45	0.07	5.40	21.34	7.65	3.58	5.40	1.84	0.61	0.09	7.57	26.74
3990	7.33	4.04	4.44	1.51	0.45	0.07	6.21	24.05	8.80	4.10	5.84	1.98	0.61	0.09	8.69	30.11
3995	7.86	4.34	4.44	1.51	0.50	0.07	6.66	25.38	9.43	4.40	5.84	1.98	0.67	0.10	9.32	31.74
4000	7.97	4.41	4.93	1.68	0.58	0.09	6.76	26.42	9.57	4.48	6.49	2.21	0.78	0.12	9.46	33.11
4005	11.00	6.19	5.92	2.01	1.26	0.19	9.36	35.93	13.20	6.28	7.78	2.65	1.71	0.26	13.11	44.99
4010	15.75	8.89	8.22	2.80	1.97	0.30	13.42	51.35	18.89	9.02	10.81	3.68	2.67	0.40	18.78	64.25
4020	6.09	3.40	4.44	1.51	0.55	0.08	5.17	21.24	7.31	3.44	5.84	1.98	0.74	0.11	7.24	26.66
4025	7.25	4.03	5.00	1.70	0.63	0.09	6.15	24.85	8.69	4.09	6.57	2.23	0.85	0.13	8.61	31.17
4030	7.47	4.15	5.92	2.01	0.63	0.09	6.34	26.61	8.96	4.21	7.78	2.65	0.85	0.13	8.87	33.45

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	
4035	8.21	4.55	6.91	2.35	0.63	0.09	6.96	29.70	9.86	4.62	9.08	3.09	0.85	0.13	9.75	37.38
4040	5.72	3.20	4.44	1.51	0.55	0.08	4.86	20.36	6.87	3.24	5.84	1.98	0.74	0.11	6.81	25.59
4045	6.29	3.52	5.00	1.70	0.63	0.09	5.34	22.57	7.55	3.57	6.57	2.23	0.85	0.13	7.48	28.38
4050	6.81	3.80	5.92	2.01	0.63	0.09	5.78	25.04	8.17	3.85	7.78	2.65	0.85	0.13	8.09	31.52
4055	7.74	4.30	6.91	2.35	0.63	0.09	6.56	28.58	9.29	4.36	9.08	3.09	0.85	0.13	9.19	35.99
4060	8.63	4.91	6.91	2.35	1.26	0.19	7.37	31.62	10.36	4.98	9.08	3.09	1.71	0.26	10.32	39.80
4070	3.43	1.90	2.24	0.76	0.25	0.04	2.91	11.53	4.12	1.93	2.94	1.00	0.34	0.05	4.07	14.45
4075	5.30	2.96	4.28	1.45	0.50	0.07	4.50	19.06	6.36	3.00	5.62	1.91	0.67	0.10	6.30	23.96
4080	5.68	3.18	4.77	1.62	0.58	0.09	4.83	20.75	6.81	3.22	6.27	2.13	0.78	0.12	6.76	26.09
4085	5.99	3.40	5.26	1.79	0.84	0.13	5.11	22.52	7.19	3.45	6.92	2.35	1.14	0.17	7.15	28.37
4095	2.88	1.59	4.85	0.97	0.18	0.03	2.44	12.94	3.46	1.61	6.29	1.26	0.24	0.04	3.42	16.32
4100	6.09	3.38	4.77	1.62	0.45	0.07	5.17	21.55	7.31	3.43	6.27	2.13	0.61	0.09	7.23	27.07
4105	8.16	4.51	5.76	1.96	0.58	0.09	6.91	27.97	9.79	4.58	7.57	2.57	0.78	0.12	9.68	35.09
4110	8.46	4.68	6.48	2.20	0.58	0.09	7.17	29.66	10.15	4.74	8.52	2.90	0.78	0.12	10.04	37.25
4120	0.48	0.20	0.00	0.10	0.00	0.00	0.50	1.28								
4125	0.77	0.32	0.00	0.19	0.00	0.00	0.80	2.08								
4130	0.94	0.38	0.00	0.30	0.00	0.00	0.97	2.59								
4135	2.43	1.00	0.00	0.41	0.00	0.00	2.51	6.35								
4145	5.68	2.33	3.57	0.86	0.00	0.00	5.88	18.32								
4150	7.69	3.15	3.57	0.86	0.00	0.00	7.96	23.23								
4155	11.83	4.85	4.64	1.11	0.00	0.00	12.24	34.67								
4160	13.14	5.39	5.36	1.29	0.00	0.00	13.60	38.78								
4180	12.99	5.33	5.26	1.05	0.00	0.00	13.47	38.10	16.24	5.46	6.92	1.38	0.00	0.00	18.94	48.94
4185	18.56	7.62	7.73	1.55	0.00	0.00	19.24	54.70	23.20	7.80	10.16	2.03	0.00	0.00	27.06	70.25
4190	22.43	9.21	10.13	2.03	0.00	0.00	23.25	67.05	28.04	9.42	13.32	2.66	0.00	0.00	32.69	86.13
4195	39.00	18.90	20.27	4.46	0.00	0.00	45.47	128.10	46.80	19.20	26.64	5.86	0.00	0.00	60.62	159.12
4205	16.91	6.26	5.79	2.20	0.00	0.00	16.40	47.56	22.54	6.48	7.61	2.89	0.00	0.00	25.00	64.52
4210	19.90	8.17	6.74	1.35	0.00	0.00	20.63	56.79	24.88	8.36	8.86	1.77	0.00	0.00	29.01	72.88
4215	25.09	10.29	8.16	1.63	0.00	0.00	26.00	71.17	31.36	10.54	10.72	2.14	0.00	0.00	36.56	91.32
4220	34.99	16.96	12.90	2.84	0.00	0.00	40.80	108.49	41.99	17.23	16.95	3.73	0.00	0.00	54.40	134.30
4230	10.01	3.71	3.78	1.44	0.00	0.00	9.71	28.65	13.34	3.84	4.97	1.89	0.00	0.00	14.80	38.84
4235	12.30	4.56	5.43	2.06	0.00	0.00	11.93	36.28	16.40	4.72	7.13	2.71	0.00	0.00	18.18	49.14
4240	12.22	5.01	6.58	1.32	0.00	0.00	12.66	37.79	15.27	5.13	8.65	1.73	0.00	0.00	17.80	48.58
4250	11.00	4.07	3.45	1.31	0.00	0.00	10.67	30.50	14.66	4.22	4.54	1.73	0.00	0.00	16.26	41.41
4255	14.76	5.47	4.44	1.69	0.00	0.00	14.32	40.68	19.68	5.66	5.84	2.22	0.00	0.00	21.82	55.22
4260	23.09	9.48	6.42	1.28	0.00	0.00	23.93	64.20	28.87	9.70	8.43	1.69	0.00	0.00	33.66	82.35
4265	35.91	14.73	10.69	2.14	0.00	0.00	37.21	100.68	44.88	15.08	14.05	2.81	0.00	0.00	52.33	129.15
4280	14.74	5.46	3.78	1.44	0.00	0.00	14.30	39.72	19.65	5.65	4.97	1.89	0.00	0.00	21.79	53.95
4285	15.43	5.72	4.77	1.81	0.00	0.00	14.97	42.70	20.57	5.92	6.27	2.38	0.00	0.00	22.82	57.96
4290	18.42	6.83	4.77	1.81	0.00	0.00	17.87	49.70	24.56	7.06	6.27	2.38	0.00	0.00	27.24	67.51
4295	21.23	8.71	8.95	1.79	0.00	0.00	22.01	62.69	26.54	8.92	11.76	2.35	0.00	0.00	30.94	80.51
4310	12.04	4.94	5.92	1.18	0.00	0.00	12.48	36.56	15.06	5.06	7.78	1.56	0.00	0.00	17.55	47.01
4315	21.62	8.87	9.54	1.91	0.00	0.00	22.41	64.35	27.03	9.08	12.54	2.51	0.00	0.00	31.51	82.67
4320	25.32	12.27	12.83	2.82	0.00	0.00	29.52	82.76	30.39	12.47	16.86	3.71	0.00	0.00	39.36	102.79
4330	6.96	2.58	2.47	0.94	0.00	0.00	6.75	19.70	9.28	2.67	3.24	1.23	0.00	0.00	10.29	26.71
4335	9.90	3.67	4.11	1.56	0.00	0.00	9.60	28.84	13.19	3.79	5.40	2.05	0.00	0.00	14.63	39.06
4340	12.73	4.72	5.10	1.94	0.00	0.00	12.35	36.84	16.97	4.88	6.70	2.55	0.00	0.00	18.82	49.92
4345	17.90	7.34	6.91	1.38	0.00	0.00	18.55	52.08	22.37	7.52	9.08	1.82	0.00	0.00	26.08	66.87
4350	20.17	8.27	8.55	1.71	0.00	0.00	20.90	59.60	25.21	8.47	11.24	2.25	0.00	0.00	29.39	76.56
4360	11.11	4.11	3.55	1.35	0.00	0.00	10.78	30.90	14.81	4.26	4.67	1.77	0.00	0.00	16.42	41.93
4365	12.60	5.17	4.70	0.94	0.00	0.00	13.06	36.47	15.75	5.29	6.18	1.24	0.00	0.00	18.36	46.82
4370	15.10	6.19	6.91	1.38	0.00	0.00	15.65	45.23	18.87	6.34	9.08	1.82	0.00	0.00	22.00	58.11
4375	21.97	9.02	7.90	1.58	0.00	0.00	22.77	63.24	27.47	9.23	10.38	2.08	0.00	0.00	32.03	81.19
4380	27.37	11.23	10.10	2.02	0.00	0.00	28.36	79.08	34.21	11.50	13.27	2.65	0.00	0.00	39.88	101.51
4385	29.30	14.20	10.92	2.40	0.00	0.00	34.17	90.99	35.16	14.43	14.36	3.16	0.00	0.00	45.55	112.66

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
4390	36.42	17.65	13.82	3.04	0.00	0.00	42.46	113.39	43.70	17.93	18.16	4.00	0.00	0.00	56.62	140.41
4395	40.58	19.67	15.27	3.36	0.00	0.00	47.31	126.19	48.70	19.98	20.06	4.41	0.00	0.00	63.09	156.24
4400	53.91	27.28	21.85	5.24	0.00	0.00	72.10	180.38	62.89	27.63	28.71	6.89	0.00	0.00	91.77	217.89
4405	62.91	31.83	27.37	6.57	0.00	0.00	84.15	212.83	73.40	32.24	35.98	8.63	0.00	0.00	107.10	257.35
4415	7.03	2.61	2.96	1.13	0.00	0.00	6.82	20.55	9.37	2.70	3.89	1.48	0.00	0.00	10.40	27.84
4420	9.25	3.80	3.45	0.69	0.00	0.00	9.59	26.78	11.56	3.89	4.54	0.91	0.00	0.00	13.48	34.38
4425	11.87	4.87	4.47	0.89	0.00	0.00	12.30	34.40	14.84	4.99	5.88	1.18	0.00	0.00	17.30	44.19
4430	14.61	5.99	5.92	1.18	0.00	0.00	15.14	42.84	18.26	6.14	7.78	1.56	0.00	0.00	21.29	55.03
4435	34.79	14.28	13.49	2.70	0.00	0.00	36.05	101.31	43.49	14.61	17.73	3.55	0.00	0.00	50.70	130.08
4445	11.86	4.87	5.00	1.00	0.00	0.00	12.29	35.02	14.82	4.98	6.57	1.31	0.00	0.00	17.28	44.96
4450	19.13	7.85	7.50	1.50	0.00	0.00	19.82	55.80	23.91	8.03	9.86	1.97	0.00	0.00	27.88	71.65
4455	23.72	9.73	10.00	2.00	0.00	0.00	24.58	70.03	29.65	9.96	13.14	2.63	0.00	0.00	34.56	89.94
4465	10.19	5.60	7.64	2.80	0.56	0.08	6.21	33.08	11.75	5.66	10.01	3.67	0.69	0.10	7.88	39.76
4470	12.31	6.77	6.68	2.40	0.76	0.11	7.51	36.54	14.20	6.85	8.56	3.08	0.95	0.14	9.53	43.31
4475	13.37	8.73	11.94	3.11	1.02	0.15	9.78	48.10	15.04	8.80	15.38	4.00	1.26	0.19	11.92	56.59
4485	1.52	0.62	0.00	0.11	0.00	0.00	1.52	3.77	1.91	0.63	0.00	0.11	0.00	0.00	2.13	4.78
4490	2.01	0.81	0.00	0.13	0.00	0.00	2.00	4.95	2.51	0.83	0.00	0.13	0.00	0.00	2.81	6.28
4495	2.98	1.21	0.00	0.17	0.00	0.00	2.96	7.32	3.72	1.24	0.00	0.17	0.00	0.00	4.17	9.30
4500	1.52	0.62	0.00	0.24	0.00	0.00	1.51	3.89	1.90	0.63	0.00	0.24	0.00	0.00	2.13	4.90
4510	1.25	0.48	0.70	0.17	0.07	0.01	2.61	5.29								
4520	0.97	0.38	0.28	0.07	0.07	0.01	2.05	3.83								
4525	1.30	0.50	0.56	0.14	0.07	0.01	2.73	5.31								
4530	1.54	0.59	0.70	0.17	0.07	0.01	3.22	6.30								
4540	2.10	1.03	1.00	0.28	0.84	0.13	2.67	8.05	2.62	1.05	1.32	0.37	1.31	0.20	3.71	10.58
4550	0.42	0.19	0.00	0.00	0.00	0.00	0.53	1.14	0.53	0.20	0.00	0.00	0.00	0.00	0.73	1.46
4555	0.52	0.23	0.00	0.00	0.00	0.00	0.64	1.39	0.65	0.24	0.00	0.00	0.00	0.00	0.89	1.78
4560	0.10	0.04	0.00	0.00	0.00	0.00	0.12	0.26	0.12	0.05	0.00	0.00	0.00	0.00	0.17	0.34
4565	0.50	0.22	0.00	0.00	0.00	0.00	0.62	1.34	0.62	0.23	0.00	0.00	0.00	0.00	0.86	1.71
4570	0.40	0.18	0.00	0.00	0.00	0.00	0.50	1.08	0.50	0.19	0.00	0.00	0.00	0.00	0.70	1.39
4575	0.50	0.22	0.00	0.00	0.00	0.00	0.62	1.34	0.62	0.23	0.00	0.00	0.00	0.00	0.86	1.71
4580	0.72	0.32	0.00	0.00	0.00	0.00	0.89	1.93	0.89	0.33	0.00	0.00	0.00	0.00	1.24	2.46
4585	0.07	0.03	0.00	0.00	0.00	0.00	0.09	0.19	0.09	0.03	0.00	0.00	0.00	0.00	0.12	0.24
4590	2.26	1.12	1.50	0.42	1.02	0.15	2.88	9.35	2.83	1.14	1.97	0.55	1.61	0.24	4.01	12.35
4600	0.50	0.23	0.00	0.00	0.00	0.00	0.62	1.35	0.63	0.23	0.00	0.00	0.00	0.00	0.87	1.73
4605	0.55	0.25	0.00	0.00	0.00	0.00	0.68	1.48	0.69	0.25	0.00	0.00	0.00	0.00	0.95	1.89
4610	0.10	0.04	0.00	0.00	0.00	0.00	0.12	0.26	0.12	0.05	0.00	0.00	0.00	0.00	0.17	0.34
4615	0.50	0.22	0.00	0.00	0.00	0.00	0.62	1.34	0.62	0.23	0.00	0.00	0.00	0.00	0.86	1.71
4620	0.46	0.21	0.00	0.00	0.00	0.00	0.57	1.24	0.58	0.21	0.00	0.00	0.00	0.00	0.80	1.59
4625	0.64	0.29	0.00	0.00	0.00	0.00	0.80	1.73	0.80	0.30	0.00	0.00	0.00	0.00	1.11	2.21
4630	0.80	0.36	0.00	0.00	0.00	0.00	1.00	2.16	1.01	0.37	0.00	0.00	0.00	0.00	1.39	2.77
4635	0.07	0.03	0.00	0.00	0.00	0.00	0.09	0.19	0.09	0.03	0.00	0.00	0.00	0.00	0.12	0.24
4640	2.57	1.29	2.00	0.56	1.36	0.20	3.29	11.27	3.21	1.31	2.63	0.74	2.13	0.32	4.56	14.90
4650	0.53	0.24	0.00	0.00	0.00	0.00	0.66	1.43	0.66	0.25	0.00	0.00	0.00	0.00	0.92	1.83
4655	0.59	0.27	0.00	0.00	0.00	0.00	0.73	1.59	0.73	0.27	0.00	0.00	0.00	0.00	1.01	2.01
4660	0.10	0.04	0.00	0.00	0.00	0.00	0.12	0.26	0.12	0.05	0.00	0.00	0.00	0.00	0.17	0.34
4665	0.50	0.22	0.00	0.00	0.00	0.00	0.62	1.34	0.62	0.23	0.00	0.00	0.00	0.00	0.86	1.71
4670	0.54	0.24	0.00	0.00	0.00	0.00	0.67	1.45	0.67	0.25	0.00	0.00	0.00	0.00	0.93	1.85
4675	0.77	0.35	0.00	0.00	0.00	0.00	0.96	2.08	0.96	0.36	0.00	0.00	0.00	0.00	1.33	2.65
4680	0.99	0.45	0.00	0.00	0.00	0.00	1.23	2.67	1.23	0.46	0.00	0.00	0.00	0.00	1.71	3.40
4685	0.07	0.03	0.00	0.00	0.00	0.00	0.09	0.19	0.09	0.03	0.00	0.00	0.00	0.00	0.12	0.24
4690	3.29	1.65	3.00	0.84	1.88	0.28	4.21	15.15	4.11	1.69	3.95	1.11	2.96	0.44	5.85	20.11
4700	0.62	0.28	0.00	0.00	0.00	0.00	0.77	1.67	0.77	0.29	0.00	0.00	0.00	0.00	1.07	2.13
4705	0.79	0.36	0.00	0.00	0.00	0.00	0.99	2.14	0.99	0.37	0.00	0.00	0.00	0.00	1.37	2.73
4710	0.10	0.04	0.00	0.00	0.00	0.00	0.12	0.26	0.12	0.05	0.00	0.00	0.00	0.00	0.17	0.34
4715	0.50	0.22	0.00	0.00	0.00	0.00	0.62	1.34	0.62	0.23	0.00	0.00	0.00	0.00	0.86	1.71

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	
4720	0.69	0.31	0.00	0.00	0.00	0.00	0.86	1.86	0.87	0.32	0.00	0.00	0.00	0.00	1.20	2.39
4725	0.89	0.40	0.00	0.00	0.00	0.00	1.11	2.40	1.12	0.41	0.00	0.00	0.00	0.00	1.55	3.08
4730	1.37	0.62	0.00	0.00	0.00	0.00	1.70	3.69	1.71	0.63	0.00	0.00	0.00	0.00	2.37	4.71
4735	0.07	0.03	0.00	0.00	0.00	0.00	0.09	0.19	0.09	0.03	0.00	0.00	0.00	0.00	0.12	0.24
4740	6.02	2.88	4.57	1.28	1.45	0.22	7.60	24.02	7.52	2.94	6.02	1.68	2.23	0.33	10.56	31.28
4750	0.88	0.40	0.00	0.00	0.00	0.00	1.10	2.38	1.10	0.41	0.00	0.00	0.00	0.00	1.53	3.04
4755	0.10	0.04	0.00	0.00	0.00	0.00	0.12	0.26	0.12	0.05	0.00	0.00	0.00	0.00	0.17	0.34
4760	0.53	0.24	0.00	0.00	0.00	0.00	0.65	1.42	0.66	0.24	0.00	0.00	0.00	0.00	0.91	1.81
4765	0.83	0.37	0.00	0.00	0.00	0.00	1.03	2.23	1.03	0.38	0.00	0.00	0.00	0.00	1.43	2.84
4770	1.21	0.55	0.00	0.00	0.00	0.00	1.51	3.27	1.51	0.56	0.00	0.00	0.00	0.00	2.10	4.17
4775	1.69	0.76	0.00	0.00	0.00	0.00	2.10	4.55	2.11	0.78	0.00	0.00	0.00	0.00	2.92	5.81
4780	0.07	0.03	0.00	0.00	0.00	0.00	0.09	0.19	0.09	0.03	0.00	0.00	0.00	0.00	0.12	0.24
4785	9.99	4.98	4.46	1.25	5.39	0.81	12.77	39.65	12.49	5.09	5.87	1.64	8.54	1.28	17.73	52.64
4790	11.19	5.54	6.61	1.85	5.50	0.82	14.27	45.78	13.99	5.66	8.69	2.43	8.72	1.31	19.82	60.62
4795	11.27	5.72	6.61	1.85	7.60	1.14	14.47	48.66	14.08	5.84	8.69	2.43	12.14	1.82	20.10	65.10
4800	12.92	6.57	10.36	2.90	8.99	1.35	16.61	59.70	16.16	6.71	13.63	3.82	14.38	2.16	23.06	79.92
4805	12.54	6.14	6.61	1.85	5.39	0.81	15.94	49.28	15.68	6.27	8.69	2.43	8.54	1.28	22.15	65.04
4810	13.29	6.49	6.61	1.85	5.50	0.82	16.88	51.44	16.61	6.63	8.69	2.43	8.72	1.31	23.45	67.84
4815	14.87	7.35	10.36	2.90	7.60	1.14	18.96	63.18	18.59	7.51	13.63	3.82	12.14	1.82	26.34	83.85
4820	16.35	8.12	10.36	2.90	8.99	1.35	20.88	68.95	20.44	8.30	13.63	3.82	14.38	2.16	28.99	91.72
4830	1.07	0.48	0.00	0.00	0.00	0.00	1.33	2.88	1.33	0.49	0.00	0.00	0.00	0.00	1.85	3.67
4835	1.41	0.64	0.00	0.00	0.00	0.00	1.76	3.81	1.76	0.65	0.00	0.00	0.00	0.00	2.44	4.85
4840	1.61	0.73	0.00	0.00	0.00	0.00	2.00	4.34	2.01	0.74	0.00	0.00	0.00	0.00	2.78	5.53
4845	1.61	0.73	0.00	0.00	0.00	0.00	2.01	4.35	2.02	0.75	0.00	0.00	0.00	0.00	2.79	5.56
4855	3.34	1.35	1.50	0.57	0.00	0.00	5.20	11.96	4.18	1.39	1.98	0.75	0.00	0.00	6.76	15.06
4860	4.48	1.81	2.43	0.92	0.00	0.00	6.96	16.60	5.60	1.86	3.20	1.22	0.00	0.00	9.05	20.93
4865	5.87	2.38	3.01	1.14	0.00	0.00	9.13	21.53	7.34	2.44	3.96	1.50	0.00	0.00	11.87	27.11
4870	7.84	3.18	4.24	1.61	0.00	0.00	12.19	29.06	9.80	3.25	5.58	2.12	0.00	0.00	15.85	36.60
4875	9.27	3.76	5.40	2.05	0.00	0.00	14.42	34.90	11.59	3.85	7.11	2.70	0.00	0.00	18.74	43.99
4885	3.53	1.43	2.51	0.95	0.00	0.00	5.49	13.91	4.41	1.47	3.30	1.25	0.00	0.00	7.14	17.57
4890	6.91	2.80	3.08	1.17	0.00	0.00	10.75	24.71	8.64	2.87	4.06	1.54	0.00	0.00	13.98	31.09
4895	8.64	3.50	4.24	1.61	0.00	0.00	13.44	31.43	10.80	3.59	5.58	2.12	0.00	0.00	17.47	39.56
4900	11.30	4.58	5.78	2.20	0.00	0.00	17.57	41.43	14.12	4.69	7.61	2.89	0.00	0.00	22.84	52.15
4905	15.96	6.47	8.09	3.08	0.00	0.00	24.82	58.42	19.95	6.62	10.66	4.05	0.00	0.00	32.26	73.54
4915	3.61	1.46	2.43	0.92	0.00	0.00	5.62	14.04	4.52	1.50	3.20	1.22	0.00	0.00	7.31	17.75
4920	4.38	1.78	3.01	1.14	0.00	0.00	6.81	17.12	5.48	1.82	3.96	1.50	0.00	0.00	8.86	21.62
4925	5.10	2.07	3.35	1.27	0.00	0.00	7.93	19.72	6.37	2.12	4.42	1.68	0.00	0.00	10.30	24.89
4930	6.72	2.72	4.70	1.79	0.00	0.00	10.45	26.38	8.40	2.79	6.19	2.35	0.00	0.00	13.58	33.31
4935	8.98	3.64	5.78	2.20	0.00	0.00	13.96	34.56	11.22	3.73	7.61	2.89	0.00	0.00	18.15	43.60
4940	12.77	5.18	8.59	3.27	0.00	0.00	19.86	49.67	15.96	5.30	11.32	4.30	0.00	0.00	25.82	62.70
4950	4.21	1.70	2.51	0.95	0.00	0.00	6.54	15.91	5.26	1.75	3.30	1.25	0.00	0.00	8.50	20.06
4955	5.23	2.12	3.01	1.14	0.00	0.00	8.14	19.64	6.54	2.17	3.96	1.50	0.00	0.00	10.58	24.75
4960	8.10	3.28	5.01	1.90	0.00	0.00	12.59	30.88	10.12	3.36	6.60	2.51	0.00	0.00	16.37	38.96
4965	11.84	4.80	7.32	2.78	0.00	0.00	18.42	45.16	14.80	4.92	9.64	3.66	0.00	0.00	23.94	56.96
4975	3.18	1.29	1.62	0.62	0.00	0.00	4.94	11.65	3.97	1.32	2.13	0.81	0.00	0.00	6.43	14.66
4980	4.22	1.71	2.58	0.98	0.00	0.00	6.56	16.05	5.27	1.75	3.40	1.29	0.00	0.00	8.53	20.24
4985	5.19	2.10	3.01	1.14	0.00	0.00	8.07	19.51	6.49	2.15	3.96	1.50	0.00	0.00	10.49	24.59
4990	7.65	3.10	4.24	1.61	0.00	0.00	11.89	28.49	9.56	3.17	5.58	2.12	0.00	0.00	15.46	35.89
4995	8.76	3.55	5.01	1.90	0.00	0.00	13.62	32.84	10.94	3.63	6.60	2.51	0.00	0.00	17.70	41.38
5000	12.59	5.10	7.71	2.93	0.00	0.00	19.58	47.91	15.74	5.23	10.15	3.86	0.00	0.00	25.45	60.43
5010	3.76	1.52	2.54	0.97	0.00	0.00	5.84	14.63	4.70	1.56	3.35	1.27	0.00	0.00	7.60	18.48
5015	5.22	2.12	3.47	1.32	0.00	0.00	8.12	20.25	6.52	2.17	4.57	1.74	0.00	0.00	10.55	25.55
5020	6.64	2.69	4.24	1.61	0.00	0.00	10.33	25.51	8.30	2.76	5.58	2.12	0.00	0.00	13.43	32.19
5025	8.28	3.36	5.20	1.98	0.00	0.00	12.87	31.69	10.35	3.44	6.85	2.60	0.00	0.00	16.74	39.98
5030	11.96	4.85	7.71	2.93	0.00	0.00	18.59	46.04	14.95	4.96	10.15	3.86	0.00	0.00	24.17	58.09

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
5035	23.39	9.48	13.49	5.13	0.00	0.00	36.38	87.87	29.24	9.71	17.77	6.75	0.00	0.00	47.29	110.76	
5045	0.63	0.29	1.24	0.40	0.10	0.01	0.60	3.27	0.79	0.30	1.61	0.52	0.18	0.03	0.81	4.24	
5050	0.76	0.35	0.54	0.23	0.10	0.01	0.73	2.72	0.95	0.36	0.70	0.30	0.18	0.03	0.97	3.49	
5055	0.87	0.40	1.78	0.57	0.08	0.01	0.83	4.54	1.09	0.41	2.31	0.74	0.16	0.02	1.11	5.84	
5060	0.98	0.45	0.79	0.33	0.08	0.01	0.93	3.57	1.22	0.46	1.03	0.43	0.16	0.02	1.25	4.57	
5065	1.16	0.53	1.00	0.42	0.09	0.01	1.10	4.31	1.45	0.54	1.32	0.55	0.17	0.03	1.47	5.53	
5070	1.07	0.49	2.47	0.79	0.09	0.01	1.01	5.93	1.33	0.50	3.22	1.03	0.17	0.03	1.36	7.64	
5075	1.23	0.56	2.63	0.84	0.09	0.01	1.17	6.53	1.54	0.58	3.42	1.09	0.17	0.03	1.57	8.40	
5080	1.32	0.60	1.29	0.54	0.09	0.01	1.25	5.10	1.65	0.62	1.69	0.71	0.17	0.03	1.68	6.55	
5085	1.65	0.78	1.93	0.81	0.31	0.05	1.58	7.11	2.07	0.79	2.54	1.07	0.59	0.09	2.12	9.27	
5090	2.93	1.43	2.79	1.17	1.01	0.15	2.83	12.31	3.66	1.46	3.67	1.54	1.93	0.29	3.79	16.34	
5100	1.86	0.86	1.32	0.56	0.20	0.03	1.77	6.60	2.32	0.87	1.74	0.73	0.38	0.06	2.37	8.47	
5105	3.39	1.56	1.96	0.83	0.35	0.05	3.22	11.36	4.23	1.59	2.58	1.09	0.66	0.10	4.32	14.57	
5110	4.41	2.08	2.96	1.25	0.83	0.12	4.22	15.87	5.52	2.12	3.90	1.64	1.58	0.24	5.66	20.66	
5115	5.67	2.66	3.68	1.55	1.02	0.15	5.42	20.15	7.09	2.72	4.84	2.03	1.94	0.29	7.26	26.17	
5120	5.92	2.85	3.93	1.65	1.70	0.25	5.70	22.00	7.40	2.91	5.17	2.17	3.24	0.49	7.64	29.02	
5125	7.38	3.43	4.72	1.98	1.02	0.15	7.04	25.72	9.22	3.50	6.20	2.61	1.94	0.29	9.43	33.19	
5130	9.61	4.61	6.61	2.78	2.58	0.39	9.24	35.82	12.01	4.71	8.69	3.65	4.92	0.74	12.38	47.10	
5140	3.62	1.71	2.32	0.98	0.75	0.11	3.47	12.96	4.53	1.75	3.05	1.28	1.43	0.21	4.65	16.90	
5145	5.13	2.40	2.86	1.20	0.83	0.12	4.90	17.44	6.41	2.45	3.76	1.58	1.58	0.24	6.56	22.58	
5150	5.85	2.74	3.57	1.50	1.02	0.15	5.60	20.43	7.32	2.80	4.70	1.97	1.94	0.29	7.49	26.51	
5155	9.23	4.34	5.54	2.33	1.70	0.25	8.83	32.22	11.54	4.43	7.28	3.06	3.24	0.49	11.83	41.87	
5160	12.48	5.91	7.14	3.00	2.70	0.41	11.97	43.61	15.60	6.04	9.40	3.95	5.16	0.77	16.03	56.95	
5165	15.59	7.33	9.64	2.89	5.65	0.85	13.13	55.08	18.71	7.47	12.69	3.81	10.78	1.62	16.88	71.96	
5170	21.98	10.60	13.39	4.02	7.67	1.15	18.58	77.39	26.38	10.78	17.62	5.29	14.64	2.20	23.89	100.80	
5175	43.62	21.56	24.65	7.39	19.31	2.90	37.03	156.46	52.35	21.94	32.43	9.73	36.87	5.53	47.60	206.45	
5185	4.46	2.09	3.04	1.28	0.75	0.11	4.26	15.99	5.57	2.13	3.99	1.68	1.43	0.21	5.71	20.72	
5190	5.23	2.44	3.93	1.65	0.83	0.12	5.00	19.20	6.54	2.50	5.17	2.17	1.58	0.24	6.70	24.90	
5195	6.07	2.84	4.32	1.82	1.02	0.15	5.80	22.02	7.59	2.90	5.69	2.39	1.94	0.29	7.77	28.57	
5200	8.67	4.11	5.50	2.31	1.95	0.29	8.32	31.15	10.83	4.20	7.24	3.04	3.72	0.56	11.14	40.73	
5205	11.57	5.55	7.25	3.05	3.11	0.47	11.13	42.13	14.46	5.67	9.54	4.01	5.94	0.89	14.91	55.42	
5210	14.67	6.93	9.97	2.99	5.65	0.85	12.36	53.42	17.60	7.05	13.11	3.93	10.78	1.62	15.89	69.98	
5215	21.42	10.13	12.86	3.86	5.94	0.89	18.05	73.15	25.70	10.31	16.92	5.08	11.34	1.70	23.20	94.25	
5220	39.15	19.00	21.86	6.56	14.65	2.20	33.13	136.55	46.98	19.34	28.76	8.63	27.97	4.20	42.60	178.48	
5230	3.96	1.86	2.86	1.20	0.70	0.10	3.79	14.47	4.95	1.90	3.76	1.58	1.33	0.20	5.08	18.80	
5235	5.09	2.37	3.93	1.65	0.70	0.10	4.86	18.70	6.37	2.42	5.17	2.17	1.33	0.20	6.51	24.17	
5240	5.53	2.60	4.54	1.91	1.02	0.15	5.29	21.04	6.92	2.66	5.97	2.51	1.94	0.29	7.09	27.38	
5245	7.61	3.65	5.86	2.46	2.05	0.31	7.32	29.26	9.51	3.73	7.71	3.24	3.91	0.59	9.81	38.50	
5250	11.63	5.58	7.97	3.35	3.11	0.47	11.19	43.30	14.54	5.70	10.48	4.40	5.94	0.89	14.98	56.93	
5255	16.34	7.91	11.97	3.59	5.94	0.89	13.82	60.46	19.61	8.05	15.74	4.72	11.34	1.70	17.77	78.93	
5265	1.83	0.87	1.71	0.72	0.43	0.06	1.76	7.38	2.29	0.89	2.26	0.95	0.81	0.12	2.36	9.68	
5270	2.33	1.10	2.21	0.93	0.43	0.07	2.24	9.31	2.92	1.13	2.91	1.22	0.82	0.12	2.99	12.11	
5275	4.61	2.15	3.14	1.32	0.75	0.11	4.40	16.48	5.76	2.20	4.14	1.74	1.43	0.21	5.90	21.38	
5280	5.53	2.60	3.82	1.61	1.02	0.15	5.29	20.02	6.91	2.65	5.03	2.11	1.94	0.29	7.08	26.01	
5285	7.75	3.67	4.86	2.04	1.70	0.25	7.43	27.70	9.69	3.75	6.39	2.68	3.24	0.49	9.95	36.19	
5295	3.88	1.83	2.86	1.20	0.75	0.11	3.71	14.34	4.84	1.87	3.76	1.58	1.43	0.21	4.97	18.66	
5300	4.79	2.24	3.57	1.50	0.83	0.12	4.58	17.63	5.99	2.29	4.70	1.97	1.58	0.24	6.13	22.90	
5305	5.58	2.62	4.29	1.80	1.02	0.15	5.34	20.80	6.97	2.68	5.64	2.37	1.94	0.29	7.15	27.04	
5310	8.00	3.79	5.54	2.33	1.70	0.25	7.67	29.28	10.00	3.87	7.28	3.06	3.24	0.49	10.27	38.21	
5315	10.89	5.23	6.75	2.84	2.96	0.44	10.48	39.59	13.61	5.34	8.88	3.73	5.66	0.85	14.04	52.11	
5320	15.01	7.39	7.47	3.14	5.65	0.85	14.54	54.05	18.77	7.55	9.82	4.13	10.78	1.62	19.48	72.15	
5325	21.05	9.97	14.82	4.45	5.94	0.89	17.74	74.86	25.26	10.14	19.50	5.85	11.34	1.70	22.81	96.60	
5330	39.13	18.60	21.07	6.32	11.64	1.75	33.00	131.51	46.96	18.93	27.73	8.32	22.22	3.33	42.43	169.92	
5340	1.71	0.81	1.54	0.65	0.32	0.05	1.64	6.72	2.13	0.82	2.02	0.85	0.59	0.09	2.19	8.69	
5345	4.63	2.16	3.04	1.28	0.75	0.11	4.42	16.39	5.79	2.21	3.99	1.68	1.43	0.21	5.92	21.23	

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	
5350	5.65	2.62	3.75	1.58	0.70	0.10	5.39	19.79	7.06	2.67	4.93	2.07	1.33	0.20	7.21	25.47
5355	7.95	3.74	5.18	2.18	1.53	0.23	7.61	28.42	9.94	3.83	6.81	2.86	2.92	0.44	10.19	36.99
5360	13.31	6.34	9.29	2.79	5.65	0.85	11.23	49.46	15.97	6.45	12.22	3.67	10.78	1.62	14.44	65.15
5370	4.76	2.25	3.71	1.56	1.02	0.15	4.57	18.02	5.95	2.30	4.89	2.05	1.94	0.29	6.12	23.54
5375	6.53	3.13	5.64	2.37	1.70	0.25	6.28	25.90	8.16	3.19	7.43	3.12	3.24	0.49	8.41	34.04
5380	7.00	3.35	5.89	2.48	1.78	0.27	6.73	27.50	8.76	3.42	7.75	3.26	3.39	0.51	9.02	36.11
5385	9.45	4.55	7.75	3.26	2.70	0.41	9.10	37.22	11.81	4.65	10.20	4.28	5.16	0.77	12.19	49.06
5390	12.10	5.76	10.89	3.27	5.12	0.77	10.20	48.11	14.52	5.86	14.33	4.30	9.77	1.47	13.12	63.37
5395	18.38	9.02	13.68	4.10	7.67	1.15	15.58	69.58	22.06	9.18	18.00	5.40	14.64	2.20	20.04	91.52
5405	4.73	2.24	3.68	1.55	1.02	0.15	4.54	17.91	5.91	2.29	4.84	2.03	1.94	0.29	6.08	23.38
5410	5.44	2.56	4.04	1.70	1.02	0.15	5.21	20.12	6.80	2.61	5.31	2.23	1.94	0.29	6.97	26.15
5415	7.56	3.60	5.14	2.16	1.78	0.27	7.26	27.77	9.45	3.68	6.77	2.84	3.39	0.51	9.72	36.36
5420	10.45	4.99	7.50	3.15	2.64	0.40	10.04	39.17	13.06	5.10	9.87	4.15	5.05	0.76	13.45	51.44
5425	14.67	6.93	10.97	3.29	5.65	0.85	12.36	54.72	17.60	7.05	14.43	4.33	10.78	1.62	15.89	71.70
5430	21.35	10.10	13.86	4.16	5.94	0.89	17.99	74.29	25.62	10.28	18.24	5.47	11.34	1.70	23.13	95.78
5440	4.28	2.04	3.32	1.40	1.02	0.15	4.11	16.32	5.35	2.08	4.37	1.84	1.94	0.29	5.51	21.38
5445	5.48	2.58	9.19	2.94	1.02	0.15	5.25	26.61	6.85	2.63	11.97	3.83	1.94	0.29	7.03	34.54
5450	7.15	3.41	5.72	2.40	1.70	0.25	6.87	27.50	8.94	3.48	7.52	3.16	3.24	0.49	9.20	36.03
5455	10.51	5.07	7.25	3.05	3.11	0.47	10.13	39.59	13.14	5.18	9.54	4.01	5.94	0.89	13.56	52.26
5460	14.36	6.83	10.18	3.05	6.02	0.90	12.11	53.45	17.23	6.95	13.39	4.02	11.49	1.72	15.57	70.37
5465	18.81	8.99	14.29	4.29	5.94	0.89	15.88	69.09	22.57	9.15	18.80	5.64	11.34	1.70	20.41	89.61
5475	2.96	1.38	1.68	0.54	0.34	0.05	3.23	10.18	3.70	1.41	2.21	0.71	0.48	0.07	4.29	12.87
5480	3.50	1.61	1.96	0.63	0.27	0.04	3.80	11.81	4.37	1.64	2.58	0.83	0.38	0.06	5.05	14.91
5485	5.35	2.48	2.86	0.91	0.53	0.08	5.83	18.04	6.69	2.53	3.76	1.20	0.75	0.11	7.74	22.78
5490	6.29	2.93	3.96	1.27	0.71	0.11	6.86	22.13	7.86	2.99	5.22	1.67	0.99	0.15	9.11	27.99
5500	2.96	1.38	2.07	0.66	0.38	0.06	3.24	10.75	3.70	1.41	2.73	0.87	0.53	0.08	4.30	13.62
5505	3.52	1.64	2.21	0.71	0.42	0.06	3.84	12.40	4.40	1.68	2.91	0.93	0.60	0.09	5.10	15.71
5510	4.06	1.90	2.50	0.80	0.53	0.08	4.44	14.31	5.08	1.94	3.29	1.05	0.75	0.11	5.90	18.12
5515	4.67	2.18	2.86	0.91	0.53	0.08	5.10	16.33	5.84	2.22	3.76	1.20	0.75	0.11	6.77	20.65
5520	5.57	2.62	3.57	1.14	0.83	0.13	6.09	19.95	6.96	2.68	4.70	1.50	1.17	0.18	8.09	25.28
5530	4.41	1.79	1.50	0.57	0.00	0.00	6.86	15.13	5.51	1.83	1.98	0.75	0.00	0.00	8.92	18.99
5535	5.25	2.13	2.04	0.78	0.00	0.00	8.17	18.37	6.56	2.18	2.69	1.02	0.00	0.00	10.62	23.07
5545	4.56	1.85	2.51	0.95	0.00	0.00	7.09	16.96	5.70	1.89	3.30	1.25	0.00	0.00	9.22	21.36
5555	0.53	0.19	0.00	0.50	0.00	0.00	0.77	1.99								
5560	1.11	0.39	0.00	1.03	0.00	0.00	1.61	4.14								
5565	2.15	0.76	0.00	1.96	0.00	0.00	3.11	7.98								
5570	0.56	0.20	0.00	0.25	0.00	0.00	0.81	1.82								
5575	0.88	0.31	0.00	0.36	0.00	0.00	1.28	2.83								
5585	1.54	0.54	0.00	0.25	0.00	0.00	2.23	4.56								
5590	2.32	0.82	0.00	0.33	0.00	0.00	3.36	6.83								
5600	1.97	0.69	0.00	0.27	0.00	0.00	2.86	5.79								
5605	2.59	0.91	0.00	0.49	0.00	0.00	3.75	7.74								
5610	3.08	1.08	0.00	0.78	0.00	0.00	4.46	9.40								
5620	3.88	1.37	0.00	0.06	0.00	0.00	5.62	10.93								
5625	4.34	1.53	0.00	0.06	0.00	0.00	6.28	12.21								
5630	7.13	2.51	0.00	0.06	0.00	0.00	10.32	20.02								
5635	7.59	2.67	0.00	0.06	0.00	0.00	10.98	21.30								
5645	3.99	1.40	0.00	0.43	0.00	0.00	5.77	11.59								
5650	4.57	1.61	0.00	0.49	0.00	0.00	6.62	13.29								
5655	5.29	1.86	0.00	0.59	0.00	0.00	7.66	15.40								
5660	5.80	2.04	0.00	0.73	0.00	0.00	8.40	16.97								
5665	6.51	2.29	0.00	0.63	0.00	0.00	9.42	18.85								
5670	7.73	2.72	0.00	0.93	0.00	0.00	11.19	22.57								
5675	9.09	3.20	0.00	0.93	0.00	0.00	13.16	26.38								
5680	12.17	4.28	0.00	1.14	0.00	0.00	17.62	35.21								

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	17.84	6.27	0.00	1.25	0.00	0.00	25.83	51.19								
5695	3.12	1.10	0.00	0.49	0.00	0.00	4.52	9.23								
5700	3.57	1.25	0.00	0.64	0.00	0.00	5.17	10.63								
5705	4.75	1.67	0.00	0.64	0.00	0.00	6.88	13.94								
5710	1.18	0.41	0.00	0.25	0.00	0.00	1.70	3.54								
5715	1.50	0.53	0.00	0.33	0.00	0.00	2.17	4.53								
5720	1.88	0.66	0.00	0.43	0.00	0.00	2.73	5.70								
5730	5.09	1.79	0.00	0.66	0.00	0.00	7.37	14.91								
5735	5.81	2.04	0.00	0.78	0.00	0.00	8.42	17.05								
5740	6.26	2.20	0.00	0.93	0.00	0.00	9.06	18.45								
5745	7.67	2.70	0.00	1.09	0.00	0.00	11.11	22.57								
5750	9.44	3.32	0.00	1.14	0.00	0.00	13.67	27.57								
5755	13.59	4.78	0.00	1.35	0.00	0.00	19.67	39.39								
5765	6.79	2.39	2.11	0.67	0.00	0.00	9.83	21.79								
5770	12.76	4.49	5.57	1.78	0.00	0.00	18.47	43.07								
5775	18.63	6.55	10.54	3.37	0.00	0.00	26.97	66.06								
5780	20.05	7.05	19.65	6.29	0.00	0.00	29.04	82.08								
5785	25.35	8.91	23.22	7.43	0.00	0.00	36.71	101.62								
5795	7.71	4.07	2.07	0.83	0.00	0.00	7.68	22.36	9.25	4.13	2.66	1.07	0.00	0.00	10.44	27.55
5800	12.38	6.53	3.95	1.58	0.00	0.00	12.33	36.77	14.86	6.63	5.08	2.03	0.00	0.00	16.77	45.37
5805	17.13	9.04	3.95	1.58	0.00	0.00	17.05	48.75	20.55	9.17	5.08	2.03	0.00	0.00	23.19	60.02
5810	17.74	9.36	5.92	2.37	0.00	0.00	17.66	53.05	21.29	9.50	7.61	3.05	0.00	0.00	24.02	65.47
5815	24.77	13.07	8.09	3.24	0.00	0.00	24.66	73.83	29.72	13.26	10.41	4.16	0.00	0.00	33.54	91.09
5825	1.33	0.41	0.00	0.15	0.00	0.00	1.45	3.34								
5830	0.49	0.15	0.00	0.10	0.00	0.00	0.54	1.28								
5835	1.96	0.60	0.00	0.31	0.00	0.00	2.14	5.01								
5840	0.85	0.26	0.00	0.05	0.00	0.00	0.93	2.09								
5850	0.50	0.23	1.06	0.34	0.00	0.00	0.56	2.69								
5855	0.64	0.29	1.60	0.51	0.00	0.00	0.70	3.74								
5865	0.04	0.02	0.21	0.07	0.00	0.00	0.04	0.38								
5870	0.05	0.02	0.32	0.10	0.00	0.00	0.05	0.54								
5875	0.08	0.04	0.85	0.27	0.00	0.00	0.09	1.33								
5885	0.67	0.30	4.58	1.47	0.00	0.00	0.74	7.76								
5890	0.39	0.17	1.49	0.57	0.00	0.00	0.43	3.05								
5895	0.88	0.40	8.41	2.69	0.00	0.00	0.98	13.36								
5900	1.27	0.58	2.99	1.14	0.00	0.00	1.41	7.39								
5905	1.64	0.74	3.49	1.33	0.00	0.00	1.81	9.01								
5910	1.74	0.79	3.39	1.29	0.00	0.00	1.93	9.14								
5920	0.07	0.03	0.53	0.17	0.00	0.00	0.08	0.88								
5925	0.10	0.04	0.85	0.27	0.00	0.00	0.11	1.37								
5930	0.20	0.09	1.70	0.55	0.00	0.00	0.23	2.77								
5940	0.09	0.04	0.32	0.10	0.00	0.00	0.10	0.65								
5945	0.10	0.05	0.32	0.10	0.00	0.00	0.11	0.68								
5955	0.12	0.06	0.08	0.04	0.00	0.00	0.07	0.37								
5960	0.18	0.08	0.20	0.09	0.00	0.00	0.10	0.65								
5965	0.62	0.28	1.01	0.46	0.00	0.00	0.35	2.72								
5970	0.81	0.37	2.43	1.09	0.00	0.00	0.45	5.15								
5980	0.10	0.04	0.08	0.04	0.00	0.00	0.05	0.31								
5985	0.12	0.06	0.16	0.07	0.00	0.00	0.07	0.48								
5995	2.55	0.85	0.00	0.10	0.00	0.00	2.54	6.04	3.40	0.88	0.00	0.10	0.00	0.00	3.81	8.19
6000	0.20	0.07	0.00	0.00	0.00	0.00	0.20	0.47	0.27	0.07	0.00	0.00	0.00	0.00	0.30	0.64
6005	1.89	0.63	0.00	0.08	0.00	0.00	1.88	4.48	2.52	0.65	0.00	0.08	0.00	0.00	2.82	6.07
6010	0.09	0.03	0.00	0.00	0.00	0.00	0.09	0.21	0.12	0.03	0.00	0.00	0.00	0.00	0.13	0.28
6015	2.20	0.73	0.00	0.10	0.00	0.00	2.19	5.22	2.94	0.76	0.00	0.10	0.00	0.00	3.29	7.09
6020	0.20	0.07	0.00	0.00	0.00	0.00	0.20	0.47	0.26	0.07	0.00	0.00	0.00	0.00	0.30	0.63

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	
6025	1.58	0.52	0.00	0.08	0.00	0.00	1.57	3.75	2.10	0.54	0.00	0.08	0.00	0.00	2.35	5.07
6030	0.13	0.04	0.00	0.00	0.00	0.00	0.13	0.30	0.17	0.04	0.00	0.00	0.00	0.00	0.19	0.40
6035	0.91	0.30	0.00	0.08	0.00	0.00	0.91	2.20	1.22	0.32	0.00	0.08	0.00	0.00	1.37	2.99
6040	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.07	0.02	0.00	0.00	0.00	0.00	0.07	0.16
6045	2.45	0.82	0.00	0.08	0.00	0.00	2.44	5.79	3.27	0.85	0.00	0.08	0.00	0.00	3.66	7.86
6050	0.20	0.07	0.00	0.00	0.00	0.00	0.20	0.47	0.26	0.07	0.00	0.00	0.00	0.00	0.30	0.63
6055	2.18	0.72	0.00	0.08	0.00	0.00	2.17	5.15	2.90	0.75	0.00	0.08	0.00	0.00	3.25	6.98
6060	0.27	0.09	0.00	0.00	0.00	0.00	0.26	0.62	0.35	0.09	0.00	0.00	0.00	0.00	0.40	0.84
6065	0.76	0.31	0.00	0.08	0.00	0.00	0.76	1.91	0.95	0.32	0.00	0.08	0.00	0.00	1.06	2.41
6075	5.36	1.78	0.00	0.22	0.00	0.00	5.33	12.69	7.14	1.85	0.00	0.22	0.00	0.00	8.00	17.21
6080	0.39	0.13	0.00	0.00	0.00	0.00	0.39	0.91	0.52	0.13	0.00	0.00	0.00	0.00	0.58	1.23
6085	5.68	1.89	0.00	0.21	0.00	0.00	5.65	13.43	7.58	1.96	0.00	0.21	0.00	0.00	8.48	18.23
6090	4.52	1.50	0.00	0.16	0.00	0.00	4.50	10.68	6.03	1.56	0.00	0.16	0.00	0.00	6.75	14.50
6095	0.35	0.12	0.00	0.00	0.00	0.00	0.35	0.82	0.47	0.12	0.00	0.00	0.00	0.00	0.52	1.11
6100	4.21	1.40	0.00	0.16	0.00	0.00	4.19	9.96	5.62	1.45	0.00	0.16	0.00	0.00	6.29	13.52
6105	3.04	1.01	0.00	0.10	0.00	0.00	3.02	7.17	4.05	1.05	0.00	0.10	0.00	0.00	4.54	9.74
6110	0.20	0.07	0.00	0.00	0.00	0.00	0.20	0.47	0.26	0.07	0.00	0.00	0.00	0.00	0.29	0.62
6115	2.96	0.98	0.00	0.10	0.00	0.00	2.95	6.99	3.95	1.02	0.00	0.10	0.00	0.00	4.42	9.49
6120	1.70	0.56	0.00	0.08	0.00	0.00	1.69	4.03	2.27	0.59	0.00	0.08	0.00	0.00	2.54	5.48
6125	0.10	0.03	0.00	0.00	0.00	0.00	0.10	0.23	0.13	0.03	0.00	0.00	0.00	0.00	0.15	0.31
6130	1.06	0.35	0.00	0.08	0.00	0.00	1.06	2.55	1.42	0.37	0.00	0.08	0.00	0.00	1.58	3.45
6135	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.07	0.02	0.00	0.00	0.00	0.00	0.08	0.17
6140	0.66	0.22	0.00	0.08	0.00	0.00	0.65	1.61	0.88	0.23	0.00	0.08	0.00	0.00	0.98	2.17
6145	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.09
6150	0.28	0.09	0.00	0.08	0.00	0.00	0.28	0.73	0.37	0.10	0.00	0.08	0.00	0.00	0.42	0.97
6155	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05
6165	5.77	1.92	0.00	0.28	0.00	0.00	5.74	13.71	7.69	1.99	0.00	0.28	0.00	0.00	8.61	18.57
6170	4.56	1.51	0.00	0.20	0.00	0.00	4.54	10.81	6.08	1.57	0.00	0.20	0.00	0.00	6.81	14.66
6175	3.41	1.13	0.00	0.10	0.00	0.00	3.39	8.03	4.54	1.17	0.00	0.10	0.00	0.00	5.08	10.89
6180	2.14	0.71	0.00	0.09	0.00	0.00	2.13	5.07	2.85	0.74	0.00	0.09	0.00	0.00	3.19	6.87
6190	3.09	1.31	3.04	0.73	0.18	0.03	3.35	11.73								
6195	3.43	1.46	3.04	0.73	0.18	0.03	3.73	12.60								
6200	3.96	1.68	3.04	0.73	0.22	0.03	4.30	13.96								
6205	6.22	2.70	4.46	1.07	0.68	0.10	6.79	22.02								
6215	2.68	1.14	2.71	0.65	0.18	0.03	2.92	10.31								
6220	2.89	1.23	2.71	0.65	0.18	0.03	3.15	10.84								
6225	2.97	1.26	2.79	0.67	0.18	0.03	3.23	11.13								
6230	2.84	1.22	8.26	1.98	0.22	0.03	3.09	17.64								
6235	3.16	1.35	2.71	0.65	0.22	0.03	3.44	11.56								
6240	2.95	1.27	8.26	1.98	0.26	0.04	3.22	17.98								
6245	3.28	1.41	2.71	0.65	0.26	0.04	3.57	11.92								
6250	7.04	3.08	4.18	1.00	0.90	0.13	7.71	24.04								
6260	2.92	1.24	2.43	0.58	0.18	0.03	3.17	10.55								
6265	3.63	1.55	2.43	0.58	0.22	0.03	3.95	12.39								
6270	7.33	3.19	4.64	1.11	0.82	0.12	8.01	25.22								
6275	8.39	3.83	4.64	1.11	2.08	0.31	9.27	29.63								
6285	3.78	2.14	0.00	0.20	1.92	0.29	4.40	12.73								
6290	5.29	2.52	0.00	0.22	1.50	0.22	5.90	15.65								
6300	4.89	2.57	0.00	0.37	1.82	0.27	5.59	15.51								
6305	5.19	2.89	0.00	0.42	2.49	0.37	6.02	17.38								
6310	7.66	3.92	0.00	0.63	2.49	0.37	8.69	23.76								
6320	0.67	0.32	0.00	0.05	0.21	0.03	0.75	2.03								
6330	1.10	0.46	0.00	0.14	0.00	0.00	1.19	2.89								
6335	1.41	0.59	0.00	0.14	0.00	0.00	1.53	3.67								
6340	1.46	0.61	0.00	0.14	0.00	0.00	1.58	3.79								

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	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6345	2.19	0.91	0.00	0.14	0.00	0.00	2.37	5.61								
6350	3.34	1.39	0.00	0.14	0.00	0.00	3.61	8.48								
6355	4.94	2.05	0.00	0.14	0.00	0.00	5.34	12.47								
6360	3.29	1.37	0.00	0.15	0.00	0.00	3.56	8.37								
6365	3.81	1.58	0.00	0.14	0.00	0.00	4.12	9.65								
6370	5.81	2.42	0.00	0.14	0.00	0.00	6.29	14.66								
6380	0.49	0.20	0.00	0.15	0.00	0.00	0.53	1.37								
6385	0.99	0.41	0.00	0.15	0.00	0.00	1.07	2.62								
6395	12.63	5.25	7.50	1.80	0.00	0.00	13.67	40.85								
6400	18.90	7.86	11.07	2.66	0.00	0.00	20.45	60.94								
6405	19.97	8.30	11.07	2.66	0.00	0.00	21.60	63.60								
6415	20.14	8.38	11.79	2.83	0.00	0.00	21.79	64.93								
6425	2.13	0.89	1.86	0.45	0.00	0.00	2.31	7.64								
6430	2.55	1.06	1.86	0.45	0.00	0.00	2.76	8.68								
6435	3.88	1.61	3.04	0.73	0.00	0.00	4.20	13.46								
6440	4.08	1.70	3.04	0.73	0.00	0.00	4.42	13.97								
6445	4.26	1.77	3.04	0.73	0.00	0.00	4.61	14.41								
6450	4.46	1.86	3.04	0.73	0.00	0.00	4.83	14.92								
6460	4.28	1.78	8.26	1.98	0.00	0.00	4.63	20.93								
6465	4.58	1.91	3.04	0.73	0.00	0.00	4.96	15.22								
6470	4.55	1.89	8.26	1.98	0.00	0.00	4.92	21.60								
6475	4.85	2.02	3.04	0.73	0.00	0.00	5.25	15.89								
6480	2.09	0.87	4.17	1.00	0.00	0.00	2.26	10.39								
6485	2.85	1.19	8.26	1.98	0.00	0.00	3.09	17.37								
6490	3.16	1.31	3.04	0.73	0.00	0.00	3.41	11.65								
6495	3.47	1.44	8.26	1.98	0.00	0.00	3.75	18.90								
6500	3.77	1.57	3.04	0.73	0.00	0.00	4.08	13.19								
6505	3.75	1.56	8.26	1.98	0.00	0.00	4.06	19.61								
6510	4.06	1.69	3.04	0.73	0.00	0.00	4.39	13.91								
6520	1.30	0.44	1.92	0.61	0.00	0.00	1.76	6.03								
6525	1.59	0.54	1.92	0.61	0.00	0.00	2.15	6.81								
6530	3.42	1.16	2.14	0.69	0.00	0.00	4.62	12.03								
6535	3.74	1.27	2.14	0.69	0.00	0.00	5.06	12.90								
6540	5.25	1.79	4.73	1.51	0.00	0.00	7.11	20.39								
6545	5.53	1.88	4.73	1.51	0.00	0.00	7.48	21.13								
6555	3.65	1.24	2.44	0.78	0.00	0.00	4.94	13.05								
6560	3.98	1.36	2.44	0.78	0.00	0.00	5.38	13.94								
6565	6.43	2.19	3.84	1.23	0.00	0.00	8.70	22.39								
6570	6.98	2.38	3.84	1.23	0.00	0.00	9.43	23.86								
6580	2.49	0.85	1.94	0.62	0.00	0.00	3.37	9.27								
6585	3.05	1.04	1.94	0.62	0.00	0.00	4.13	10.78								
6595	1.88	0.64	1.49	0.48	0.00	0.00	2.55	7.04								
6600	1.71	0.58	1.49	0.48	0.00	0.00	2.32	6.58								
6610	7.90	2.69	3.74	1.20	0.00	0.00	10.69	26.22								
6615	6.04	2.06	2.49	0.80	0.00	0.00	8.17	19.56								
6630	5.84	2.02	3.64	1.16	0.19	0.03	7.92	20.80								
6635	6.54	2.33	4.23	1.36	0.65	0.10	8.92	24.13								
6640	7.73	2.66	4.23	1.36	0.18	0.03	10.47	26.66								
6645	8.52	2.99	6.23	1.99	0.55	0.08	11.59	31.95								
6650	7.97	2.79	6.23	1.99	0.48	0.07	10.84	30.37								
6655	8.60	3.00	6.23	1.99	0.48	0.07	11.69	32.05								
6660	9.91	3.45	6.23	1.99	0.48	0.07	13.46	35.59								
6665	8.84	3.09	6.23	1.99	0.48	0.07	12.02	32.72								
6670	9.58	3.34	6.23	1.99	0.48	0.07	13.02	34.71								
6680	8.55	2.91	6.23	1.99	0.00	0.00	11.57	31.25								

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	6.84	2.40	4.23	1.36	0.48	0.07	9.32	24.70							
6690	7.27	2.55	5.98	1.91	0.48	0.07	9.89	28.15							
6695	8.30	2.90	5.98	1.91	0.48	0.07	11.29	30.93							
6705	8.84	3.08	5.73	1.83	0.48	0.07	12.01	32.04							
6710	12.89	4.54	10.11	3.24	0.98	0.15	17.56	49.47							
6720	5.43	1.87	3.49	1.12	0.10	0.01	7.36	19.38							
6725	5.41	1.87	3.49	1.12	0.20	0.03	7.34	19.46							
6730	7.24	2.49	3.99	1.28	0.14	0.02	9.81	24.97							
6735	6.24	2.16	3.99	1.28	0.20	0.03	8.47	22.37							
6740	5.90	2.11	3.49	1.12	0.65	0.10	8.06	21.43							
6745	8.08	2.82	4.38	1.40	0.42	0.06	10.99	28.15							
6750	9.39	3.27	5.93	1.90	0.44	0.07	12.76	33.76							
6755	7.49	2.63	6.23	1.99	0.48	0.07	10.19	29.08							
6760	11.00	3.83	5.93	1.90	0.55	0.08	14.94	38.23							
6765	9.53	3.33	5.93	1.90	0.55	0.08	12.96	34.28							
6770	8.09	2.87	6.23	1.99	0.72	0.11	11.03	31.04							
6780	6.07	2.17	3.39	1.08	0.65	0.10	8.29	21.75							
6785	5.53	1.91	3.39	1.08	0.18	0.03	7.51	19.63							
6790	6.49	2.24	3.99	1.28	0.18	0.03	8.80	23.01							
6795	6.93	2.46	3.74	1.20	0.65	0.10	9.46	24.54							
6800	7.08	2.44	3.99	1.28	0.18	0.03	9.60	24.60							
6805	9.24	3.22	5.48	1.75	0.48	0.07	12.56	32.80							
6810	7.67	2.69	5.33	1.71	0.48	0.07	10.44	28.39							
6815	8.30	2.90	5.33	1.71	0.48	0.07	11.29	30.08							
6820	10.60	3.68	5.48	1.75	0.48	0.07	14.39	36.45							
6830	1.12	0.38	0.80	0.26	0.00	0.00	1.51	4.07							
6835	2.93	1.00	1.69	0.54	0.00	0.00	3.97	10.13							
6840	6.94	2.36	3.54	1.13	0.00	0.00	9.38	23.35							
6845	9.33	3.18	6.23	1.99	0.00	0.00	12.62	33.35							
6850	11.24	3.83	7.72	2.47	0.00	0.00	15.20	40.46							
6855	13.56	4.62	9.02	2.89	0.00	0.00	18.34	48.43							
6860	15.74	5.36	9.02	2.89	0.00	0.00	21.29	54.30							
6870	1.07	0.36	0.80	0.26	0.00	0.00	1.44	3.93							
6875	2.44	0.83	1.74	0.56	0.00	0.00	3.30	8.87							
6880	6.38	2.17	3.49	1.12	0.00	0.00	8.63	21.79							
6885	8.53	2.90	5.73	1.83	0.00	0.00	11.53	30.52							
6890	11.31	3.85	5.93	1.90	0.00	0.00	15.30	38.29							
6900	1.10	0.37	1.49	0.48	0.00	0.00	1.49	4.93							
6905	5.68	1.93	2.59	0.83	0.00	0.00	7.68	18.71							
6910	8.50	2.90	3.99	1.28	0.00	0.00	11.50	28.17							
6915	10.74	3.66	7.77	2.49	0.00	0.00	14.52	39.18							
6920	18.95	6.45	13.05	4.18	0.00	0.00	25.62	68.25							
6930	9.29	4.13	5.50	2.20	2.77	0.42	9.28	33.59	11.61	4.23	7.19	2.88	4.61	0.69	12.37
6935	16.20	6.62	9.16	2.93	5.77	0.87	13.12	54.67	20.24	6.79	11.98	3.84	9.59	1.44	17.67
6940	20.66	8.37	10.86	3.47	6.62	0.99	15.43	66.40	25.82	8.59	14.27	4.57	11.00	1.65	20.89
6945	22.97	9.30	12.10	3.87	7.28	1.09	18.58	75.19	28.71	9.54	15.82	5.06	12.10	1.81	25.01
6950	23.92	9.59	15.65	4.07	8.78	1.32	19.32	82.65	29.90	9.84	20.30	5.28	15.25	2.29	26.01
6955	25.51	10.18	15.65	4.07	8.78	1.32	20.58	86.09	31.88	10.45	20.30	5.28	15.25	2.29	27.71
6960	31.69	12.81	14.80	4.74	9.85	1.48	23.66	99.03	39.62	13.15	19.46	6.23	16.36	2.45	32.04
6965	36.46	14.59	16.50	5.28	9.85	1.48	29.44	113.60	45.58	14.97	21.57	6.90	16.36	2.45	39.63
6970	39.49	15.72	24.35	6.33	13.06	1.96	31.86	132.77	49.36	16.13	31.58	8.21	22.69	3.40	42.88
6975	41.31	16.40	24.35	6.33	13.06	1.96	33.31	136.72	51.63	16.83	31.58	8.21	22.69	3.40	44.84
6980	45.14	18.07	24.35	6.33	16.21	2.43	36.45	148.98	56.42	18.54	31.58	8.21	28.16	4.22	49.06
6985	41.37	16.77	18.09	5.79	13.36	2.00	30.90	128.28	51.71	17.21	23.78	7.61	22.19	3.33	41.84
6990	51.23	20.45	33.04	8.59	17.72	2.66	41.35	175.04	64.04	20.99	42.86	11.14	30.78	4.62	55.66
															230.09

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7005	14.09	5.68	8.40	2.69	4.27	0.64	11.39	47.16	17.61	5.83	10.98	3.51	7.09	1.06	15.33	61.41
7010	18.49	7.51	10.69	3.42	6.15	0.92	13.82	61.00	23.11	7.71	14.05	4.50	10.21	1.53	18.71	79.82
7015	21.06	8.44	11.91	3.81	5.76	0.86	17.01	68.85	26.33	8.66	15.58	4.99	9.56	1.43	22.89	89.44
7020	22.76	9.07	17.25	4.49	7.64	1.15	18.36	80.72	28.45	9.31	22.38	5.82	13.27	1.99	24.72	105.94
7025	27.32	10.82	17.25	4.49	8.22	1.23	22.02	91.35	34.15	11.10	22.38	5.62	14.28	2.14	29.64	119.51
7035	9.71	4.26	4.58	1.83	2.41	0.36	9.67	32.82	12.14	4.36	5.99	2.40	4.01	0.60	12.89	42.39
7040	19.74	8.03	10.73	3.43	6.62	0.99	14.75	64.29	24.67	8.24	14.10	4.51	11.00	1.65	19.97	84.14
7045	23.45	9.41	17.77	4.62	8.78	1.32	18.94	84.29	29.31	9.66	23.06	5.99	15.25	2.29	25.50	111.06
7050	22.27	8.97	11.95	3.82	6.62	0.99	18.00	72.62	27.84	9.21	15.63	5.00	11.00	1.65	24.23	94.56
7060	9.96	4.36	6.42	2.57	2.41	0.36	9.91	35.99	12.45	4.47	8.39	3.36	4.01	0.60	13.22	46.50
7065	14.18	5.72	9.16	2.93	4.27	0.64	11.46	48.36	17.72	5.87	11.98	3.84	7.09	1.06	15.43	62.99
7075	20.26	8.22	11.36	3.64	6.62	0.99	16.39	67.48	25.32	8.43	14.86	4.76	11.00	1.65	22.07	88.09
7080	31.95	13.06	15.63	5.00	11.35	1.70	23.90	102.59	39.94	13.40	20.54	6.57	18.85	2.83	32.36	134.49
7085	20.98	8.41	10.02	2.60	7.66	1.15	16.94	67.76	26.22	8.63	12.99	3.38	13.30	2.00	22.80	89.32
7090	35.49	14.20	21.53	5.60	12.69	1.90	28.66	120.07	44.37	14.57	27.93	7.26	22.05	3.31	38.58	158.07
7095	41.75	16.71	24.94	6.48	15.05	2.26	33.71	140.90	52.18	17.15	32.35	8.41	26.14	3.92	45.38	185.53
7110	4.53	2.46	0.00	0.13	1.52	0.23	4.25	13.12	5.43	2.50	0.00	0.13	1.98	0.30	5.47	15.81
7115	5.69	3.23	0.00	0.13	2.72	0.41	5.40	17.58	6.83	3.28	0.00	0.13	3.56	0.53	6.94	21.27
7125	2.25	1.26	0.00	0.08	0.93	0.14	2.13	6.79	2.70	1.28	0.00	0.08	1.22	0.18	2.74	8.20
7135	7.50	3.16	5.57	1.56	0.81	0.12	7.40	26.12	9.38	3.24	7.29	2.04	1.38	0.21	10.49	34.03
7140	11.92	5.08	11.14	3.12	1.99	0.30	11.79	45.34	14.90	5.20	14.57	4.08	3.42	0.51	16.71	59.39
7150	11.10	4.62	12.28	3.44	0.45	0.07	10.93	42.89	13.88	4.73	16.06	4.50	0.74	0.11	15.49	55.51
7160	2.92	1.30	2.51	0.90	0.00	0.00	4.26	11.89	3.65	1.33	3.30	1.19	0.00	0.00	5.81	15.28
7165	0.73	0.30	0.00	0.08	0.00	0.00	0.73	1.84	0.92	0.30	0.00	0.08	0.00	0.00	1.03	2.33
7170	4.26	1.90	3.08	1.11	0.00	0.00	6.22	16.57	5.33	1.94	4.06	1.46	0.00	0.00	8.48	21.27
7175	0.87	0.35	0.00	0.08	0.00	0.00	0.87	2.17	1.09	0.36	0.00	0.08	0.00	0.00	1.22	2.75
7180	0.69	0.28	0.00	0.08	0.00	0.00	0.68	1.73	0.86	0.28	0.00	0.08	0.00	0.00	0.96	2.18
7185	6.54	2.92	4.05	1.46	0.00	0.00	9.55	24.52	8.17	2.98	5.33	1.92	0.00	0.00	13.02	31.42
7190	1.16	0.47	0.00	0.08	0.00	0.00	1.15	2.86	1.45	0.48	0.00	0.08	0.00	0.00	1.62	3.63
7195	0.92	0.37	0.00	0.08	0.00	0.00	0.92	2.29	1.15	0.38	0.00	0.08	0.00	0.00	1.29	2.90
7200	1.26	0.51	0.00	0.08	0.00	0.00	1.26	3.11	1.58	0.52	0.00	0.08	0.00	0.00	1.77	3.95
7205	9.12	4.07	5.40	1.94	0.00	0.00	13.32	33.85	11.40	4.16	7.11	2.56	0.00	0.00	18.16	43.39
7210	1.22	0.49	0.00	0.08	0.00	0.00	1.21	3.00	1.52	0.50	0.00	0.08	0.00	0.00	1.70	3.80
7215	1.36	0.55	0.00	0.08	0.00	0.00	1.36	3.35	1.70	0.57	0.00	0.08	0.00	0.00	1.91	4.26
7220	1.38	0.56	0.00	0.08	0.00	0.00	1.37	3.39	1.72	0.57	0.00	0.08	0.00	0.00	1.92	4.29
7225	12.72	5.68	7.71	2.77	0.00	0.00	18.58	47.46	15.90	5.80	10.15	3.65	0.00	0.00	25.33	60.83
7230	1.81	0.73	0.00	0.08	0.00	0.00	1.80	4.42	2.26	0.75	0.00	0.08	0.00	0.00	2.53	5.62
7235	1.98	0.80	0.00	0.08	0.00	0.00	1.97	4.83	2.47	0.82	0.00	0.08	0.00	0.00	2.77	6.14
7240	1.57	0.64	0.00	0.08	0.00	0.00	1.56	3.85	1.97	0.65	0.00	0.08	0.00	0.00	2.20	4.90
7245	1.60	0.65	0.00	0.10	0.00	0.00	1.59	3.94	2.00	0.66	0.00	0.10	0.00	0.00	2.24	5.00
7250	20.83	8.44	12.91	3.62	0.00	0.00	23.32	69.12	26.03	8.64	17.00	4.76	0.00	0.00	32.38	88.81
7255	2.66	1.08	0.00	0.12	0.00	0.00	2.64	6.50	3.32	1.10	0.00	0.12	0.00	0.00	3.72	8.26
7260	2.93	1.19	0.00	0.13	0.00	0.00	2.91	7.16	3.66	1.21	0.00	0.13	0.00	0.00	4.09	9.09
7265	2.64	1.07	0.00	0.13	0.00	0.00	2.63	6.47	3.30	1.10	0.00	0.13	0.00	0.00	3.70	8.23
7270	0.08	0.03	0.00	0.05	0.00	0.00	0.08	0.24	0.10	0.03	0.00	0.05	0.00	0.00	0.11	0.29
7275	2.07	0.84	0.00	0.15	0.00	0.00	2.06	5.12	2.59	0.86	0.00	0.15	0.00	0.00	2.90	6.50
7280	24.62	10.72	17.73	4.25	0.00	0.00	25.94	83.26	29.54	10.91	23.35	5.60	0.00	0.00	34.58	103.98
7285	3.64	1.48	0.00	0.18	0.00	0.00	3.62	8.92	4.55	1.51	0.00	0.18	0.00	0.00	5.10	11.34
7290	3.85	1.56	0.00	0.19	0.00	0.00	3.83	9.43	4.81	1.60	0.00	0.19	0.00	0.00	5.39	11.99
7295	3.21	1.30	0.00	0.16	0.00	0.00	3.19	7.86	4.01	1.33	0.00	0.16	0.00	0.00	4.49	9.99
7300	0.94	0.38	0.00	0.12	0.00	0.00	0.94	2.38	1.18	0.39	0.00	0.12	0.00	0.00	1.32	3.01
7305	0.11	0.04	0.00	0.08	0.00	0.00	0.11	0.34	0.13	0.04	0.00	0.08	0.00	0.00	0.15	0.40
7310	2.25	0.91	0.00	0.20	0.00	0.00	2.24	5.60	2.81	0.93	0.00	0.20	0.00	0.00	3.14	7.08
7315	41.34	17.99	26.98	6.47	0.00	0.00	43.55	136.33	49.61	18.32	35.53	8.53	0.00	0.00	58.07	170.06
7320	5.50	2.23	0.00	0.28	0.00	0.00	5.47	13.48	6.87	2.28	0.00	0.28	0.00	0.00	7.69	17.12

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	
7325	6.03	2.44	0.00	0.29	0.00	0.00	6.00	14.76	7.53	2.50	0.00	0.29	0.00	0.00	8.44	18.76
7330	0.12	0.05	0.00	0.08	0.00	0.00	0.12	0.37	0.15	0.05	0.00	0.08	0.00	0.00	0.17	0.45
7335	4.09	1.66	0.00	0.20	0.00	0.00	4.07	10.02	5.11	1.70	0.00	0.20	0.00	0.00	5.73	12.74
7345	3.59	1.60	2.43	0.87	0.00	0.00	5.24	13.73	4.48	1.63	3.20	1.15	0.00	0.00	7.14	17.60
7350	4.22	1.88	3.01	1.08	0.00	0.00	6.17	16.36	5.28	1.93	3.96	1.43	0.00	0.00	8.41	21.01
7355	4.52	2.01	3.39	1.22	0.00	0.00	6.59	17.73	5.64	2.06	4.47	1.61	0.00	0.00	8.99	22.77
7360	0.75	0.30	0.00	0.08	0.00	0.00	0.74	1.87	0.93	0.31	0.00	0.08	0.00	0.00	1.04	2.36
7365	0.74	0.30	0.00	0.05	0.00	0.00	0.74	1.83	0.93	0.31	0.00	0.05	0.00	0.00	1.04	2.33
7370	6.22	2.77	4.70	1.69	0.00	0.00	9.08	24.46	7.77	2.84	6.19	2.23	0.00	0.00	12.38	31.41
7375	0.83	0.34	0.00	0.08	0.00	0.00	0.83	2.08	1.04	0.35	0.00	0.08	0.00	0.00	1.16	2.63
7380	1.01	0.41	0.00	0.05	0.00	0.00	1.01	2.48	1.27	0.42	0.00	0.05	0.00	0.00	1.42	3.16
7385	8.04	3.59	5.78	2.08	0.00	0.00	11.74	31.23	10.05	3.67	7.61	2.74	0.00	0.00	16.01	40.08
7390	1.27	0.52	0.00	0.08	0.00	0.00	1.26	3.13	1.59	0.53	0.00	0.08	0.00	0.00	1.78	3.98
7395	1.27	0.51	0.00	0.05	0.00	0.00	1.26	3.09	1.59	0.53	0.00	0.05	0.00	0.00	1.78	3.95
7400	12.13	5.41	8.59	3.09	0.00	0.00	17.71	46.93	15.16	5.53	11.32	4.08	0.00	0.00	24.15	60.24
7405	1.36	0.55	0.00	0.08	0.00	0.00	1.36	3.35	1.70	0.57	0.00	0.08	0.00	0.00	1.91	4.26
7410	1.43	0.58	0.00	0.08	0.00	0.00	1.42	3.51	1.79	0.59	0.00	0.08	0.00	0.00	2.00	4.46
7415	1.93	0.78	0.00	0.05	0.00	0.00	1.92	4.68	2.41	0.80	0.00	0.05	0.00	0.00	2.70	5.96
7420	19.84	8.04	11.56	3.24	0.00	0.00	22.21	64.89	24.79	8.23	15.23	4.26	0.00	0.00	30.84	83.35
7425	2.70	1.09	0.00	0.12	0.00	0.00	2.69	6.60	3.38	1.12	0.00	0.12	0.00	0.00	3.78	8.40
7430	2.73	1.11	0.00	0.10	0.00	0.00	2.72	6.66	3.41	1.13	0.00	0.10	0.00	0.00	3.82	8.46
7435	25.34	11.03	17.54	4.21	0.00	0.00	26.69	84.81	30.40	11.23	23.10	5.54	0.00	0.00	35.59	105.86
7440	4.11	1.67	0.00	0.22	0.00	0.00	4.09	10.09	5.14	1.71	0.00	0.22	0.00	0.00	5.75	12.82
7445	4.20	1.70	0.00	0.25	0.00	0.00	4.18	10.33	5.25	1.74	0.00	0.25	0.00	0.00	5.87	13.11
7450	2.61	1.06	0.00	0.12	0.00	0.00	2.60	6.39	3.26	1.08	0.00	0.12	0.00	0.00	3.65	8.11
7455	34.00	14.80	20.23	4.86	0.00	0.00	35.82	109.71	40.80	15.06	26.65	6.40	0.00	0.00	47.76	136.67
7460	4.70	1.90	0.00	0.26	0.00	0.00	4.68	11.54	5.87	1.95	0.00	0.26	0.00	0.00	6.58	14.66
7465	5.37	2.18	0.00	0.25	0.00	0.00	5.35	13.15	6.72	2.23	0.00	0.25	0.00	0.00	7.52	16.72
7470	3.01	1.22	0.00	0.12	0.00	0.00	2.99	7.34	3.76	1.25	0.00	0.12	0.00	0.00	4.21	9.34
7480	3.77	1.68	2.51	0.90	0.00	0.00	5.51	14.37	4.71	1.72	3.30	1.19	0.00	0.00	7.51	18.43
7485	4.81	2.15	3.01	1.08	0.00	0.00	7.03	18.08	5.02	2.19	3.96	1.43	0.00	0.00	9.58	23.18
7490	6.97	3.11	4.24	1.53	0.00	0.00	10.18	26.03	8.72	3.18	5.58	2.01	0.00	0.00	13.88	33.37
7495	8.87	3.96	5.40	1.94	0.00	0.00	12.95	33.12	11.09	4.04	7.11	2.56	0.00	0.00	17.66	42.46
7500	1.04	0.42	0.00	0.05	0.00	0.00	1.03	2.54	1.30	0.43	0.00	0.05	0.00	0.00	1.46	3.24
7505	1.17	0.47	0.00	0.05	0.00	0.00	1.17	2.86	1.46	0.49	0.00	0.05	0.00	0.00	1.64	3.64
7510	13.64	6.09	8.09	2.91	0.00	0.00	19.92	50.65	17.05	6.22	10.66	3.84	0.00	0.00	27.16	64.93
7515	1.82	0.74	0.00	0.05	0.00	0.00	1.82	4.43	2.28	0.76	0.00	0.05	0.00	0.00	2.55	5.64
7520	1.25	0.51	0.00	0.05	0.00	0.00	1.25	3.06	1.57	0.52	0.00	0.05	0.00	0.00	1.76	3.90
7525	18.71	7.58	11.95	3.35	0.00	0.00	20.94	62.53	23.38	7.76	15.74	4.41	0.00	0.00	29.09	80.38
7530	2.28	0.92	0.00	0.10	0.00	0.00	2.26	5.56	2.84	0.94	0.00	0.10	0.00	0.00	3.18	7.06
7535	1.90	0.77	0.00	0.12	0.00	0.00	1.89	4.68	2.37	0.79	0.00	0.12	0.00	0.00	2.65	5.93
7540	0.78	0.32	0.00	0.08	0.00	0.00	0.78	1.96	0.98	0.32	0.00	0.08	0.00	0.00	1.09	2.47
7545	0.46	0.19	0.00	0.13	0.00	0.00	0.46	1.24	0.57	0.19	0.00	0.13	0.00	0.00	0.64	1.53
7550	0.08	0.03	0.00	0.08	0.00	0.00	0.08	0.27	0.10	0.03	0.00	0.08	0.00	0.00	0.11	0.32
7560	2.67	1.19	1.62	0.58	0.00	0.00	3.90	9.96	3.34	1.22	2.13	0.77	0.00	0.00	5.31	12.77
7565	3.68	1.64	2.51	0.90	0.00	0.00	5.37	14.10	4.60	1.68	3.30	1.19	0.00	0.00	7.32	18.09
7570	4.40	1.96	2.77	1.00	0.00	0.00	6.42	16.55	5.50	2.00	3.65	1.32	0.00	0.00	8.75	21.22
7575	8.35	3.73	4.24	1.53	0.00	0.00	12.20	30.05	10.44	3.81	5.58	2.01	0.00	0.00	16.63	38.47
7580	11.02	4.91	5.59	2.01	0.00	0.00	16.09	39.62	13.77	5.02	7.36	2.65	0.00	0.00	21.93	50.73
7590	3.09	1.38	2.54	0.92	0.00	0.00	4.51	12.44	3.86	1.41	3.35	1.21	0.00	0.00	6.15	15.98
7595	0.53	0.22	0.00	0.05	0.00	0.00	0.53	1.33	0.67	0.22	0.00	0.05	0.00	0.00	0.75	1.69
7600	4.63	2.07	3.47	1.25	0.00	0.00	6.77	18.19	5.79	2.11	4.57	1.64	0.00	0.00	9.23	23.34
7605	0.58	0.24	0.00	0.05	0.00	0.00	0.58	1.45	0.72	0.24	0.00	0.05	0.00	0.00	0.81	1.82
7610	6.72	3.00	4.55	1.64	0.00	0.00	9.81	25.72	8.40	3.06	5.99	2.16	0.00	0.00	13.38	32.99
7615	0.65	0.26	0.00	0.05	0.00	0.00	0.64	1.60	0.81	0.27	0.00	0.05	0.00	0.00	0.91	2.04

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7620	9.47	4.22	6.36	2.29	0.00	0.00	13.82	36.16	11.83	4.32	8.38	3.02	0.00	0.00	18.85	46.40
7625	0.85	0.34	0.00	0.05	0.00	0.00	0.85	2.09	1.06	0.35	0.00	0.05	0.00	0.00	1.19	2.65
7630	12.51	5.58	8.48	3.05	0.00	0.00	18.27	47.89	15.64	5.70	11.17	4.02	0.00	0.00	24.91	61.44
7635	1.33	0.54	0.00	0.08	0.00	0.00	1.33	3.28	1.67	0.55	0.00	0.08	0.00	0.00	1.87	4.17
7640	1.42	0.58	0.00	0.10	0.00	0.00	1.42	3.52	1.78	0.59	0.00	0.10	0.00	0.00	1.99	4.46
7645	18.27	7.40	12.33	3.45	0.00	0.00	20.45	61.90	22.84	7.58	16.24	4.55	0.00	0.00	28.41	79.62
7650	1.83	0.74	0.00	0.14	0.00	0.00	1.83	4.54	2.29	0.76	0.00	0.14	0.00	0.00	2.57	5.76
7655	1.93	0.78	0.00	0.14	0.00	0.00	1.92	4.77	2.42	0.80	0.00	0.14	0.00	0.00	2.70	6.06
7660	24.36	9.87	15.80	4.42	0.00	0.00	27.28	81.73	30.45	10.11	20.81	5.83	0.00	0.00	37.89	105.09
7665	2.50	1.01	0.00	0.20	0.00	0.00	2.49	6.20	3.12	1.04	0.00	0.20	0.00	0.00	3.50	7.86
7670	2.28	0.92	0.00	0.18	0.00	0.00	2.27	5.65	2.85	0.95	0.00	0.18	0.00	0.00	3.19	7.17
7675	38.15	16.61	23.89	5.73	0.00	0.00	40.19	124.57	45.78	16.90	31.47	7.55	0.00	0.00	53.59	155.29
7680	5.83	2.36	0.00	0.24	0.00	0.00	5.80	14.23	7.28	2.42	0.00	0.24	0.00	0.00	8.15	18.09
7685	5.47	2.22	0.00	0.21	0.00	0.00	5.45	13.35	6.84	2.27	0.00	0.21	0.00	0.00	7.66	16.98
7690	5.12	2.07	0.00	0.19	0.00	0.00	5.09	12.47	6.40	2.12	0.00	0.19	0.00	0.00	7.16	15.87
7700	12.14	5.42	7.90	2.84	0.00	0.00	17.73	46.03	15.18	5.54	10.41	3.75	0.00	0.00	24.18	59.06
7705	1.29	0.52	0.00	0.05	0.00	0.00	1.29	3.15	1.61	0.54	0.00	0.05	0.00	0.00	1.81	4.01
7710	1.45	0.59	0.00	0.05	0.00	0.00	1.44	3.53	1.81	0.60	0.00	0.05	0.00	0.00	2.03	4.49
7715	1.48	0.60	0.00	0.05	0.00	0.00	1.47	3.60	1.85	0.61	0.00	0.05	0.00	0.00	2.07	4.58
7720	15.09	6.11	10.02	2.81	0.00	0.00	16.89	50.92	18.86	6.26	13.20	3.70	0.00	0.00	23.46	65.48
7725	1.83	0.74	0.00	0.05	0.00	0.00	1.82	4.44	2.29	0.76	0.00	0.05	0.00	0.00	2.56	5.66
7730	2.40	0.97	0.00	0.05	0.00	0.00	2.39	5.81	3.00	1.00	0.00	0.05	0.00	0.00	3.36	7.41
7735	2.01	0.81	0.00	0.05	0.00	0.00	2.00	4.87	2.51	0.83	0.00	0.05	0.00	0.00	2.81	6.20
7740	20.13	8.16	13.49	3.78	0.00	0.00	22.54	68.10	25.17	8.36	17.77	4.97	0.00	0.00	31.31	87.58
7745	2.39	0.97	0.00	0.12	0.00	0.00	2.38	5.86	2.99	0.99	0.00	0.12	0.00	0.00	3.35	7.45
7750	2.62	1.06	0.00	0.13	0.00	0.00	2.61	6.42	3.28	1.09	0.00	0.13	0.00	0.00	3.67	8.17
7755	2.29	0.93	0.00	0.11	0.00	0.00	2.28	5.61	2.87	0.95	0.00	0.11	0.00	0.00	3.21	7.14
7760	0.10	0.04	0.00	0.05	0.00	0.00	0.10	0.29	0.12	0.04	0.00	0.05	0.00	0.00	0.14	0.35
7765	0.61	0.25	0.00	0.11	0.00	0.00	0.60	1.57	0.76	0.25	0.00	0.11	0.00	0.00	0.85	1.97
7775	12.01	5.25	7.50	2.10	2.46	0.37	9.77	39.46	15.01	5.38	9.87	2.76	5.16	0.77	13.23	52.18
7780	16.64	7.58	11.07	3.10	6.12	0.92	13.65	59.08	20.80	7.75	14.57	4.08	12.82	1.92	18.49	80.43
7785	24.33	11.22	16.07	4.50	7.32	1.10	20.03	84.57	30.42	11.49	21.15	5.92	15.34	2.30	27.12	113.74
7795	18.89	8.59	10.79	3.02	6.90	1.04	15.50	64.73	23.61	8.80	14.19	3.97	14.46	2.17	20.99	88.19
7800	31.76	14.55	20.43	5.72	8.92	1.34	26.10	108.82	39.70	14.89	26.88	7.53	18.68	2.80	35.34	145.82
7810	1.08	0.47	1.54	0.43	0.22	0.03	0.88	4.65	1.34	0.48	2.02	0.57	0.45	0.07	1.19	6.12
7815	1.38	0.60	2.21	0.62	0.24	0.04	1.12	6.21	1.72	0.61	2.91	0.82	0.49	0.07	1.51	8.13
7825	0.25	0.11	0.69	0.19	0.04	0.01	0.29	1.58	0.31	0.11	0.91	0.25	0.05	0.01	0.41	2.05
7830	1.07	0.45	1.39	0.39	0.05	0.01	1.25	4.61	1.34	0.46	1.81	0.51	0.07	0.01	1.73	5.93
7835	1.48	0.62	2.16	0.61	0.07	0.01	1.73	6.68	1.85	0.63	2.82	0.79	0.10	0.02	2.40	8.61
7840	2.70	1.14	2.29	0.64	0.21	0.03	3.16	10.17	3.38	1.17	3.01	0.84	0.30	0.05	4.39	13.14
7845	5.55	2.33	3.75	1.05	0.34	0.05	6.47	19.54	6.93	2.39	4.93	1.38	0.49	0.07	8.99	25.18
7860	1.82	0.76	0.86	0.24	0.07	0.01	2.12	5.88	2.28	0.78	1.13	0.32	0.10	0.02	2.95	7.58
7865	3.56	1.49	1.57	0.44	0.21	0.03	4.15	11.45	4.45	1.53	2.07	0.58	0.30	0.05	5.77	14.75
7870	3.94	1.65	1.96	0.55	0.21	0.03	4.60	12.94	4.93	1.69	2.58	0.72	0.30	0.05	6.38	16.65
7875	6.41	2.63	4.04	1.13	0.00	0.00	7.45	21.66	8.02	2.69	5.31	1.49	0.00	0.00	10.34	27.85
7880	12.54	5.14	6.25	1.75	0.00	0.00	14.56	40.24	15.67	5.26	8.22	2.30	0.00	0.00	20.22	51.67
7890	10.35	4.24	3.57	1.00	0.00	0.00	12.02	31.18	12.94	4.34	4.70	1.32	0.00	0.00	16.70	40.00
7895	15.09	6.18	5.72	1.60	0.00	0.00	17.51	46.10	18.86	6.33	7.52	2.11	0.00	0.00	24.33	59.15
7900	19.19	7.87	5.72	1.60	0.00	0.00	22.28	56.66	23.99	8.05	7.52	2.11	0.00	0.00	30.95	72.62
7910	8.33	3.41	2.39	0.67	0.00	0.00	9.67	24.47	10.41	3.49	3.15	0.88	0.00	0.00	13.42	31.35
7915	9.07	3.72	2.39	0.67	0.00	0.00	10.53	26.38	11.33	3.80	3.15	0.88	0.00	0.00	14.62	33.78
7920	9.34	3.83	2.39	0.67	0.00	0.00	10.84	27.07	11.68	3.92	3.15	0.88	0.00	0.00	15.06	34.69
7925	17.56	7.19	5.36	1.50	0.00	0.00	20.38	51.99	21.95	7.37	7.05	1.97	0.00	0.00	28.31	66.65
7930	21.80	8.93	6.25	1.75	0.00	0.00	25.31	64.04	27.25	9.15	8.22	2.30	0.00	0.00	35.15	82.07
7945	0.99	0.30	2.40	0.67	0.13	0.02	1.01	5.52	1.19	0.31	3.21	0.90	0.16	0.02	1.39	7.18

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7950	1.24	0.37	2.40	0.67	0.15	0.02	1.26	6.11	1.48	0.38	3.21	0.90	0.20	0.03	1.73	7.93
7955	1.08	0.33	2.40	0.67	0.17	0.03	1.11	5.79	1.30	0.34	3.21	0.90	0.21	0.03	1.52	7.51
7960	1.28	0.39	2.40	0.67	0.20	0.03	1.31	6.28	1.53	0.40	3.21	0.90	0.26	0.04	1.80	8.14
7965	1.13	0.36	2.40	0.67	0.27	0.04	1.17	6.04	1.36	0.36	3.21	0.90	0.34	0.05	1.60	7.82
7970	1.45	0.60	6.31	1.89	0.45	0.07	1.29	12.06	1.93	0.62	8.11	2.43	0.57	0.09	2.00	15.75
7975	2.04	0.82	3.86	1.00	0.45	0.07	1.80	10.04	2.72	0.85	5.01	1.30	0.57	0.09	2.80	13.34
7980	1.69	0.69	7.25	2.17	0.45	0.07	1.50	13.82	2.25	0.71	9.32	2.80	0.57	0.09	2.33	18.07
7985	2.32	0.93	3.86	1.00	0.45	0.07	2.05	10.68	3.10	0.96	5.01	1.30	0.57	0.09	3.18	14.21
7990	1.86	0.76	7.25	2.17	0.52	0.08	1.65	14.29	2.47	0.79	9.32	2.80	0.66	0.10	2.56	18.70
7995	2.31	0.97	3.86	1.00	0.89	0.13	2.07	11.23	3.08	1.01	5.01	1.30	1.14	0.17	3.22	14.93
8000	3.11	1.15	13.57	4.34	0.91	0.14	2.56	25.78	4.14	1.19	17.48	5.59	1.17	0.18	3.98	33.73
8005	4.28	1.57	6.25	1.75	1.11	0.17	3.52	18.65	5.71	1.63	8.12	2.27	1.44	0.22	5.47	24.86
8010	4.48	1.64	6.25	1.75	1.15	0.17	3.68	19.12	5.97	1.71	8.12	2.27	1.48	0.22	5.73	25.50
8015	4.22	1.55	6.25	1.75	1.15	0.17	3.47	18.56	5.62	1.61	8.12	2.27	1.48	0.22	5.40	24.72
8020	4.97	1.81	6.25	1.75	1.15	0.17	4.08	20.18	6.62	1.88	8.12	2.27	1.48	0.22	6.34	26.93
8025	6.53	2.38	8.53	2.39	1.56	0.23	5.36	26.98	8.70	2.47	11.09	3.11	2.02	0.30	8.34	36.03
8030	6.92	2.53	8.53	2.39	1.67	0.25	5.68	27.97	9.23	2.63	11.09	3.11	2.15	0.32	8.84	37.37
8035	6.54	2.40	8.53	2.39	1.67	0.25	5.38	27.16	8.72	2.49	11.09	3.11	2.15	0.32	8.36	36.24
8040	6.49	2.35	10.21	2.86	1.39	0.21	5.32	28.83	8.65	2.44	13.27	3.72	1.80	0.27	8.28	38.43
8050	0.99	0.30	2.90	0.81	0.14	0.02	1.02	6.18	1.19	0.31	3.86	1.08	0.18	0.03	1.40	8.05
8055	1.29	0.39	2.90	0.81	0.14	0.02	1.32	6.87	1.55	0.40	3.86	1.08	0.18	0.03	1.81	8.91
8060	1.43	0.43	2.90	0.81	0.16	0.02	1.45	7.20	1.71	0.44	3.86	1.08	0.21	0.03	2.00	9.33
8065	1.19	0.36	2.90	0.81	0.14	0.02	1.22	6.64	1.43	0.37	3.86	1.08	0.18	0.03	1.67	8.62
8070	1.39	0.42	2.90	0.81	0.17	0.03	1.42	7.14	1.67	0.43	3.86	1.08	0.22	0.03	1.94	9.23
8075	1.31	0.41	2.81	0.79	0.28	0.04	1.35	6.99	1.57	0.42	3.74	1.05	0.35	0.05	1.85	9.03
8080	1.32	0.55	6.59	1.98	0.45	0.07	1.18	12.14	1.76	0.57	8.48	2.54	0.57	0.09	1.84	15.85
8085	1.45	0.60	6.59	1.98	0.45	0.07	1.29	12.43	1.93	0.62	8.48	2.54	0.57	0.09	2.00	16.23
8090	2.10	0.84	3.93	1.02	0.45	0.07	1.85	10.26	2.80	0.87	5.11	1.33	0.57	0.09	2.88	13.65
8095	1.53	0.64	7.33	2.20	0.52	0.08	1.37	13.67	2.04	0.66	9.42	2.83	0.66	0.10	2.13	17.84
8100	3.13	1.26	5.35	1.39	0.65	0.10	2.76	14.64	4.17	1.30	6.96	1.81	0.83	0.12	4.29	19.48
8105	2.91	1.11	12.59	4.03	1.14	0.17	2.41	24.36	3.88	1.15	16.23	5.19	1.47	0.22	3.75	31.89
8110	3.54	1.32	7.32	2.05	1.14	0.17	2.92	18.46	4.72	1.37	9.51	2.66	1.47	0.22	4.55	24.50
8115	4.14	1.51	8.39	2.35	0.90	0.13	3.40	20.82	5.52	1.56	10.91	3.05	1.15	0.17	5.29	27.65
8120	4.65	1.70	7.50	2.10	1.14	0.17	3.82	21.08	6.20	1.76	9.75	2.73	1.47	0.22	5.94	28.07
8125	4.29	1.72	5.47	1.42	0.89	0.13	3.79	17.71	5.72	1.78	7.12	1.85	1.12	0.17	5.89	23.65
8130	5.45	1.97	10.71	3.00	1.14	0.17	4.46	26.90	7.27	2.05	13.92	3.90	1.47	0.22	6.95	35.78
8135	5.53	2.04	10.96	3.07	1.48	0.22	4.55	27.85	7.37	2.12	14.25	3.99	1.88	0.28	7.07	36.96
8140	6.50	2.38	10.96	3.07	1.64	0.25	5.34	30.14	8.66	2.47	14.25	3.99	2.09	0.31	8.31	40.08
8150	1.57	0.63	3.69	0.96	0.33	0.05	1.38	8.61	2.09	0.65	4.80	1.25	0.41	0.06	2.15	11.41
8155	1.40	0.57	6.02	1.81	0.33	0.05	1.24	11.42	1.87	0.59	7.74	2.32	0.41	0.06	1.93	14.92
8160	2.04	0.81	3.93	1.02	0.33	0.05	1.80	9.98	2.72	0.84	5.11	1.33	0.41	0.06	2.79	13.26
8165	2.57	1.02	4.28	1.11	0.45	0.07	2.27	11.77	3.43	1.06	5.57	1.45	0.57	0.09	3.52	15.69
8170	4.29	1.58	7.50	2.10	1.14	0.17	3.52	20.30	5.71	1.64	9.75	2.73	1.47	0.22	5.48	27.00
8175	5.75	2.07	8.21	2.30	1.14	0.17	4.71	24.35	7.66	2.15	10.67	2.99	1.47	0.22	7.32	32.48
8180	6.05	2.18	10.71	3.00	1.14	0.17	4.95	28.20	8.07	2.26	13.92	3.90	1.47	0.22	7.70	37.54
8185	5.89	2.12	7.50	2.10	1.14	0.17	4.82	23.74	7.85	2.20	9.75	2.73	1.47	0.22	7.50	31.72
8190	6.17	2.22	8.21	2.30	1.14	0.17	5.05	25.26	8.23	2.30	10.67	2.99	1.47	0.22	7.85	33.73
8200	6.46	2.33	10.71	3.00	1.27	0.19	5.29	29.25	8.62	2.42	13.92	3.90	1.63	0.25	8.23	38.97
8205	6.52	2.35	10.71	3.00	1.27	0.19	5.33	29.37	8.69	2.44	13.92	3.90	1.63	0.25	8.30	39.13
8210	7.03	2.52	9.64	2.70	1.27	0.19	5.75	29.10	9.37	2.62	12.53	3.51	1.63	0.25	8.94	38.85
8220	7.12	2.58	8.75	2.45	1.60	0.24	5.84	28.58	9.50	2.68	11.37	3.18	2.10	0.31	9.08	38.22
8225	6.29	2.27	10.71	3.00	1.27	0.19	5.15	28.88	8.39	2.36	13.92	3.90	1.63	0.25	8.02	38.47
8230	6.06	2.19	10.71	3.00	1.27	0.19	4.96	28.38	8.08	2.28	13.92	3.90	1.63	0.25	7.72	37.78
8235	6.82	2.45	12.49	3.50	1.27	0.19	5.58	32.30	9.10	2.55	16.24	4.55	1.63	0.25	8.68	43.00
8245	2.63	0.88	0.00	0.10	0.00	0.00	2.38	5.99								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
8250	3.15	1.06	0.00	0.10	0.00	0.00	2.85	7.16								
8255	4.89	1.64	0.00	0.10	0.00	0.00	4.43	11.06								
8260	6.04	2.03	0.00	0.10	0.00	0.00	5.47	13.64								
8265	6.71	2.25	0.00	0.10	0.00	0.00	6.07	15.13								
8275	0.64	0.21	0.00	0.09	0.00	0.00	0.58	1.52	0.85	0.22	0.00	0.09	0.00	0.00	0.88	2.04
8280	1.01	0.34	0.00	0.09	0.00	0.00	0.91	2.35	1.34	0.35	0.00	0.09	0.00	0.00	1.39	3.17
8285	1.02	0.34	0.00	0.09	0.00	0.00	0.92	2.37	1.36	0.36	0.00	0.09	0.00	0.00	1.41	3.22
8290	1.03	0.35	0.00	0.09	0.00	0.00	0.94	2.41	1.38	0.36	0.00	0.09	0.00	0.00	1.43	3.26
8300	0.21	0.07	0.00	0.00	0.00	0.00	0.19	0.47								
8305	0.21	0.07	0.00	0.00	0.00	0.00	0.19	0.47								
8310	0.23	0.08	0.00	0.00	0.00	0.00	0.21	0.52								
8315	0.28	0.09	0.00	0.00	0.00	0.00	0.25	0.62								
8320	0.31	0.10	0.00	0.00	0.00	0.00	0.28	0.69								
8325	0.28	0.10	0.00	0.00	0.00	0.00	0.26	0.64								
8335	0.24	0.08	0.00	0.09	0.00	0.00	0.22	0.63								
8340	0.28	0.09	0.00	0.09	0.00	0.00	0.25	0.71								
8345	0.77	0.26	0.00	0.09	0.00	0.00	0.70	1.82								
8350	0.86	0.29	0.00	0.09	0.00	0.00	0.78	2.02								
8360	2.71	0.91	0.00	0.13	0.00	0.00	2.46	6.21								
8365	2.76	0.93	0.00	0.13	0.00	0.00	2.50	6.32								
8370	2.79	0.94	0.00	0.13	0.00	0.00	2.52	6.38								
8375	2.83	0.95	0.00	0.13	0.00	0.00	2.56	6.47								
8385	1.22	0.41	0.00	0.00	0.00	0.00	1.10	2.73								
8390	1.28	0.43	0.00	0.00	0.00	0.00	1.16	2.87								
8395	1.36	0.46	0.00	0.00	0.00	0.00	1.24	3.06								
8405	2.08	0.86	0.00	0.09	0.56	0.08	1.54	5.21	2.60	0.88	0.00	0.09	0.68	0.10	2.25	6.60
8410	2.51	1.02	0.00	0.09	0.56	0.08	1.85	6.11	3.14	1.04	0.00	0.09	0.68	0.10	2.70	7.75
8415	2.55	1.03	0.00	0.09	0.56	0.08	1.88	6.19	3.19	1.06	0.00	0.09	0.68	0.10	2.74	7.86
8420	2.98	1.23	0.00	0.09	0.80	0.12	2.21	7.43	3.72	1.26	0.00	0.09	0.96	0.14	3.22	9.39
8425	3.59	1.44	0.00	0.09	0.68	0.10	2.65	8.55	4.49	1.48	0.00	0.09	0.82	0.12	3.86	10.86
8430	7.12	3.00	0.00	0.09	2.39	0.36	5.30	18.26	8.91	3.08	0.00	0.09	2.88	0.43	7.72	23.11
8435	7.83	3.33	0.00	0.09	2.81	0.42	5.83	20.31	9.79	3.42	0.00	0.09	3.39	0.51	8.50	25.70
8445	2.83	1.13	0.00	0.09	0.56	0.08	2.08	6.77	3.53	1.16	0.00	0.09	0.68	0.10	3.04	8.60
8455	1.28	0.74	0.00	0.09	0.51	0.08	1.00	3.70								
8460	1.42	0.82	0.00	0.09	0.55	0.08	1.10	4.06								
8465	1.56	0.90	0.00	0.09	0.56	0.08	1.21	4.40								
8470	1.76	1.04	0.00	0.13	0.76	0.11	1.38	5.18								
8475	1.83	1.08	0.00	0.13	0.82	0.12	1.44	5.42								
8480	2.14	1.24	0.00	0.13	0.84	0.13	1.67	6.15								
8485	2.23	1.35	0.00	0.13	1.15	0.17	1.76	6.79								
8490	2.80	1.63	0.00	0.13	1.15	0.17	2.18	8.06								
8495	2.90	1.69	0.00	0.13	1.15	0.17	2.26	8.30								
8500	3.37	1.92	0.00	0.17	1.12	0.17	2.61	9.36								
8505	3.57	2.07	0.00	0.17	1.37	0.21	2.78	10.17								
8510	3.95	2.29	0.00	0.17	1.53	0.23	3.08	11.25								
8515	4.42	2.65	0.00	0.17	2.18	0.33	3.49	13.24								
8520	1.04	0.63	0.00	0.09	0.56	0.08	0.82	3.22								
8530	1.00	0.61	0.00	0.09	0.56	0.08	0.79	3.13								
8540	1.26	0.74	0.00	0.11	0.56	0.08	0.98	3.73								
8545	1.27	0.75	0.00	0.11	0.56	0.08	0.99	3.76								
8555	0.64	0.40	0.00	0.10	0.38	0.06	0.51	2.09								
8560	0.72	0.46	0.00	0.10	0.47	0.07	0.58	2.40								
8565	0.78	0.49	0.00	0.10	0.51	0.08	0.63	2.59								
8575	2.06	1.04	2.25	0.63	0.20	0.03	1.34	7.55								
8580	2.10	1.11	2.25	0.63	0.41	0.06	1.38	7.94								

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
8585	2.20	1.16	2.25	0.63	0.41	0.06	1.45	8.16								
8595	18.93	8.82	10.15	3.45	5.70	0.85	13.83	61.73	22.71	8.98	13.11	4.46	9.50	1.42	19.36	79.54
8600	26.22	12.39	14.66	4.99	9.81	1.47	19.20	88.74	31.46	12.61	18.94	6.44	16.35	2.45	26.88	115.13
8605	35.58	17.28	19.63	6.67	13.11	1.97	26.18	120.42	42.70	17.59	25.35	8.62	21.86	3.28	36.65	156.05
8610	16.58	7.79	10.15	3.45	5.70	0.85	12.13	56.65	19.90	7.93	13.11	4.46	9.50	1.42	16.99	73.31
8615	23.98	11.64	14.66	4.99	12.37	1.86	17.64	87.14	28.77	11.85	18.94	6.44	20.62	3.09	24.70	114.41
8620	30.34	15.29	19.63	6.67	15.51	2.33	22.46	112.23	36.41	15.56	25.35	8.62	25.85	3.88	31.45	147.12
8630	15.33	7.14	5.75	1.96	3.73	0.56	11.20	45.67	18.40	7.27	7.43	2.53	6.00	0.90	15.68	58.21
8635	16.12	7.78	5.87	1.99	6.29	0.94	11.85	50.84	19.35	7.92	7.58	2.58	10.12	1.52	16.59	65.66
8640	26.31	12.63	10.15	3.45	9.66	1.45	19.32	82.97	31.58	12.86	13.11	4.46	15.53	2.33	27.05	106.92
8650	12.74	5.95	4.83	1.64	2.87	0.43	9.32	37.78	15.29	6.06	6.24	2.12	4.79	0.72	13.04	48.26
8655	20.28	9.41	10.15	3.45	5.70	0.85	14.81	64.65	24.33	9.58	13.11	4.46	9.50	1.42	20.73	83.13
8660	26.20	12.38	13.72	4.66	9.81	1.47	19.19	87.43	31.44	12.60	17.72	6.02	16.35	2.45	26.87	113.45
8665	34.31	16.55	14.57	4.96	11.76	1.76	25.21	109.12	41.17	16.84	18.82	6.40	19.60	2.94	35.30	141.07
8670	35.04	17.04	17.03	5.79	13.11	1.97	25.79	115.77	42.05	17.34	22.00	7.48	21.86	3.28	36.10	150.11
8685	11.43	5.30	4.85	1.65	3.13	0.47	8.35	35.18	13.72	5.39	6.27	2.13	5.22	0.78	11.69	45.20
8690	16.51	7.69	7.24	2.46	4.91	0.74	12.06	51.61	19.81	7.82	9.35	3.18	8.19	1.23	16.88	66.46
8695	19.65	9.47	11.12	3.78	9.34	1.40	14.44	69.20	23.57	9.64	14.37	4.88	15.57	2.33	20.21	90.57
8700	26.51	12.75	14.08	4.79	12.37	1.86	19.48	91.84	31.81	12.98	18.18	6.18	20.62	3.09	27.27	120.13
8705	39.06	18.80	18.95	6.44	13.11	1.97	28.69	127.02	46.87	19.14	24.48	8.32	21.86	3.28	40.17	164.12
8710	57.16	27.50	24.64	8.38	19.03	2.86	41.99	181.56	68.59	27.99	31.82	10.82	31.73	4.76	58.79	234.50
8720	20.12	9.34	9.48	3.22	5.70	0.85	14.69	63.40	24.15	9.51	12.24	4.16	9.50	1.42	20.57	81.55
8725	28.32	13.31	12.99	4.42	9.81	1.47	20.72	91.04	33.98	13.55	16.78	5.71	16.35	2.45	29.01	117.83
8730	30.01	14.29	14.48	4.92	12.37	1.86	22.01	99.94	36.02	14.54	18.71	6.36	20.62	3.09	30.81	130.15
8735	33.76	16.20	15.32	5.21	10.94	1.64	24.79	107.86	40.51	16.49	19.79	6.73	18.24	2.74	34.71	139.21
8740	37.51	18.12	18.45	6.27	13.11	1.97	27.57	123.00	45.01	18.44	23.84	8.10	21.86	3.28	38.60	159.13
8745	44.71	22.04	23.69	8.05	19.03	2.86	32.98	153.36	53.65	22.43	30.60	10.40	31.73	4.76	46.17	199.74
8755	8.42	4.35	5.36	1.71	1.75	0.26	6.58	28.43	10.10	4.42	7.05	2.26	2.35	0.35	8.56	35.09
8760	14.43	7.68	11.79	3.77	4.42	0.66	11.35	54.10	17.32	7.80	15.51	4.96	5.96	0.89	14.76	67.20
8765	19.88	10.66	16.07	5.14	6.58	0.99	15.67	74.99	23.86	10.83	21.15	6.77	8.86	1.33	20.37	93.17
8770	20.42	10.92	16.07	5.14	6.58	0.99	16.08	76.20	24.50	11.09	21.15	6.77	8.86	1.33	20.90	94.60
8775	24.57	13.17	19.65	6.29	8.09	1.21	19.36	92.34	29.49	13.38	25.85	8.27	10.89	1.63	25.17	114.68
8780	24.98	13.36	19.65	6.29	8.09	1.21	19.67	93.25	29.97	13.58	25.85	8.27	10.89	1.63	25.58	115.77
8790	14.46	7.70	11.79	3.77	4.42	0.66	11.38	54.18	17.36	7.82	15.51	4.96	5.96	0.89	14.79	67.29
8795	19.63	10.54	16.07	5.14	6.58	0.99	15.47	74.42	23.56	10.71	21.15	6.77	8.86	1.33	20.12	92.50
8800	19.92	10.68	16.07	5.14	6.58	0.99	15.70	75.08	23.91	10.85	21.15	6.77	8.86	1.33	20.41	93.28
8805	25.61	13.67	19.65	6.29	8.09	1.21	20.16	94.68	30.73	13.89	25.85	8.27	10.89	1.63	26.21	117.47
8810	26.03	13.87	19.65	6.29	8.09	1.21	20.48	95.62	31.23	14.09	25.85	8.27	10.89	1.63	26.63	118.59
8820	16.89	8.07	11.79	3.77	6.12	0.92	12.39	59.95	20.27	8.21	15.51	4.96	10.22	1.53	17.35	78.05
8825	24.45	11.89	16.07	5.14	9.86	1.48	17.99	86.88	29.34	12.10	21.15	6.77	15.96	2.39	25.19	112.90
8830	38.57	18.94	23.22	7.43	17.93	2.69	28.43	137.21	46.28	19.28	30.55	9.78	29.39	4.41	39.80	179.49
8840	15.86	7.62	9.89	3.17	5.99	0.90	11.65	55.08	19.03	7.75	13.02	4.17	9.91	1.49	16.31	71.68
8845	26.72	12.85	16.29	5.21	7.63	1.15	19.63	89.48	32.07	13.08	21.43	6.86	12.62	1.89	27.48	115.43
8855	17.53	8.35	11.79	3.77	6.12	0.92	12.85	61.33	21.03	8.50	15.51	4.96	10.22	1.53	18.00	79.75
8860	25.29	11.97	16.07	5.14	8.21	1.23	18.53	86.44	30.35	12.19	21.15	6.77	13.75	2.06	25.94	112.21
8870	4.45	1.17	4.79	1.34	0.04	0.01	6.34	18.14								
8875	6.77	1.78	8.42	2.36	0.04	0.01	9.64	29.02								
8885	1.08	0.53	0.00	0.01	0.00	0.00	0.70	2.32								
8890	1.26	0.61	0.00	0.01	0.00	0.00	0.82	2.70								
8895	1.47	0.71	0.00	0.01	0.00	0.00	0.95	3.14								
8905	1.84	0.94	0.62	0.16	0.20	0.03	1.20	4.99								
8910	2.11	1.06	0.62	0.16	0.20	0.03	1.38	5.56								
8915	2.35	1.18	0.62	0.16	0.20	0.03	1.53	6.07								
8925	0.23	0.08	0.54	0.16	0.00	0.00	0.13	1.14								
8930	0.27	0.10	0.67	0.20	0.00	0.00	0.15	1.39								

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
8940	0.41	0.17	3.70	0.89	0.02	0.00	0.43	5.62								
8945	0.43	0.18	3.70	0.89	0.02	0.00	0.46	5.68								
8950	0.47	0.20	6.16	1.48	0.02	0.00	0.49	8.82								
8955	0.60	0.25	6.54	1.57	0.02	0.00	0.63	9.51								
8965	0.56	0.24	1.19	0.29	0.02	0.00	0.59	2.39								
8970	0.60	0.25	1.68	0.40	0.02	0.00	0.63	3.58								
8975	0.66	0.29	1.68	0.40	0.05	0.01	0.70	3.79								
8980	0.72	0.31	2.83	0.68	0.05	0.01	0.76	5.36								
8990	0.23	0.09	0.27	0.08	0.00	0.00	0.13	0.80								
8995	0.24	0.09	0.54	0.16	0.00	0.00	0.13	1.16								
9005	0.11	0.04	0.51	0.15	0.00	0.00	0.06	0.87								
9010	0.14	0.05	0.65	0.19	0.00	0.00	0.08	1.11								
9015	0.37	0.14	0.81	0.24	0.00	0.00	0.20	1.76								
9020	0.64	0.24	1.13	0.34	0.00	0.00	0.35	2.70								
9030	0.05	0.02	0.51	0.15	0.00	0.00	0.03	0.76								
9035	0.16	0.06	0.65	0.19	0.00	0.00	0.09	1.15								

APPENDIX A

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APPENDIX A

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APPENDIX B

AREA FACTORS

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

Sales or Import Tax Rate:	4.00 %
Working Hours Per Year:	1,600 Hrs/Yr
Labor Adjustment Factor (LAF):	0.990
Electricity Cost Per Kilowatt-Hour:	\$ 0.045 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.170 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 0.940 /Gal.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.190 /Gal.
Freight Rates:	0 thru 24,000 lbs. \$16.250 /Cwt. over 24,000 thru 30,000 lbs. \$14.300 /Cwt. over 30,000 thru 44,000 lbs. \$11.850 /Cwt. over 44,000 thru 60,000 lbs. \$ 9.450 /Cwt. over 60,000 thru 70,000 lbs. \$ 7.700 /Cwt. over 70,000 thru 80,000 lbs. \$ 7.250 /Cwt. over 80,000 thru 9999,900 lbs. \$ 6.850 /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.

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

EQUIPMENT TYPE	AVERAGE	SEVERE
Tractors, Crawler Type	Production dozing in clays, sands, gravels and talus rock. Pushloading scrapers, borrow pit ripping, most landclearing and skidding applications. Medium impact conditions.	Heavy rock ripping. Tandem ripping. Pushloading and dozing in hard rock. Continuous high impact conditions.
Depreciation Period	10,000 - 12,000 Hrs.	8,000 - 10,000 Hrs.
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Tractors, Wheel-Type	Production dozing, pushloading in clays, sands, silts, loose gravels. Shovel cleanup.	Production dozing in rock. Push-loading in rocky, bouldery borrow pits. High impact conditions.
Depreciation Period	10,000 Hrs.	8,000 Hrs.
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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.
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Trucks, Off Highway	Varying loading and haul road conditions. Typical road-building use on a variety of jobs.	Consistently poor haul road conditions. Oversized loading equipment.
Depreciation Period	12,000 Hrs.	10,000 Hrs.
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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

APPENDIX D
EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

TABLE LEGEND

C - OPERATING CONDITIONS
A - AVERAGE CONDITIONS
S - SEVERE CONDITIONS
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	30	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	15	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	20	70 .700	.071	.041		0 .000	.000	.000		50	32	28	0	0	90	80
130	CONCRETE SAWS	A	8	20	90 .900	.091	.053		0 .000	.000	.000		45	32	38	0	0	90	90
135	CONCRETE VIBRATORS	A	4	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	250
140	COMPACTORS, MANUALLY OPERATED	A	6	20	90 .000	.091	.053		0 .000	.000	.000		0	24	24	0	0	85	120
	CRANE, CRAWLER TYPE																		
150	0 THRU 25 TON	A	13	20	40 .000	.041	.024		0 .000	.000	.000		0	32	32	0	0	0	55
150		S	11	20	52 .000	.053	.031		0 .000	.000	.000		0	32	32	0	0	0	60
165	OVER 25 TON THRU 50 TON	A	15	20	40 .000	.041	.024		0 .000	.000	.000		0	20	20	0	0	0	65
165		S	13	20	52 .000	.053	.031		0 .000	.000	.000		0	20	20	0	0	0	70
170	OVER 50 TON THRU 150 TON	A	18	20	40 .000	.041	.024		0 .000	.000	.000		0	22	22	0	0	0	75
170		S	16	20	52 .000	.053	.031		0 .000	.000	.000		0	22	22	0	0	0	80
180	OVER 150 TON	A	20	20	40 .000	.041	.024		0 .000	.000	.000		0	24	24	0	0	0	85
180		S	18	20	52 .000	.053	.031		0 .000	.000	.000		0	24	24	0	0	0	90
	DRAGLINE & CLAMSHELL, CRAWLER																		
185	0 THRU 1 CY	A	12	20	50 .000	.051	.030		0 .000	.000	.000		0	32	32	0	0	0	70
185		S	10	20	65 .000	.066	.038		0 .000	.000	.000		0	32	32	0	0	0	80
190	OVER 1 CY THRU 2-1/2 CY	A	15	20	50 .000	.051	.030		0 .000	.000	.000		0	20	20	0	0	0	80
190		S	13	20	65 .000	.066	.038		0 .000	.000	.000		0	20	20	0	0	0	90
195	OVER 2-1/2 CY THRU 5 CY	A	18	20	50 .000	.051	.030		0 .000	.000	.000		0	22	22	0	0	0	90
195		S	16	20	65 .000	.066	.038		0 .000	.000	.000		0	22	22	0	0	0	100

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER				CARRIER POWER				FOG			TIRES			RPR
					HP	E	G	D	HP	E	G	D	E	G	D	F	D	T	
470	OVER 225 HP	A	12	15	65 .000	.066	.038		0 .000	.000	.000		0	32	30	70	42	0	70
470		S	10	15	85 .000	.086	.050		0 .000	.000	.000		0	32	30	41	22	0	75
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	A	10	25	65 .000	.066	.038		0 .000	.000	.000		0	32	32	72	50	0	80
475		S	8	25	85 .000	.086	.050		0 .000	.000	.000		0	32	32	57	35	0	85
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	A	6	35	65 .000	.066	.038		0 .000	.000	.000		0	32	32	0	0	0	90
485	PIPELAYERS	A	12	25	35 .000	.000	.021		0 .000	.000	.000		0	0	40	0	0	0	75
485		S	10	25	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	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	65	0	72	70
555		S	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	50	0	55	75
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	20	60 .000	.061	.035		0 .000	.000	.000		0	22	22	0	0	0	90
595		S	10	20	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			
					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	20	70 .000	.000	.041		0 .000	.000	.000		0	0	28	0	0	0	90
620		S	8	20	91 .000	.000	.054		0 .000	.000	.000		0	0	28	0	0	0	100
625	OVER 425 HP	A	12	15	70 .000	.000	.041		0 .000	.000	.000		0	0	24	0	0	0	90
625		S	10	15	91 .000	.000	.054		0 .000	.000	.000		0	0	24	0	0	0	100
630	TRACTOR, BLADES, PUSH BLOCKS,	A	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
630	PUSH PLATES & CLEARING BLADES	S	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	90
645	TRACTOR, WHEEL TYPE	A	10	20	65 .000	.066	.038		0 .000	.000	.000		0	24	28	73	44	0	60
645		S	8	20	85 .000	.086	.050		0 .000	.000	.000		0	24	28	38	21	0	65
650	TRENCHER	A	10	20	65 .000	.066	.038		0 .000	.000	.000		0	28	28	91	68	0	90
650		S	8	20	85 .000	.086	.050		0 .000	.000	.000		0	28	28	77	48	0	100
655	TRAILERS, BOTTOM DUMP AND END DUMP	A	10	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	65
655		S	8	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
660	TRAILERS, FLATBED, LO-BOY AND TILT	A	10	30	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	65
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING																		
670	DUMP BODIES	A	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
670		S	6	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
675	ALL OTHER ACCESSORIES	A	8	20	65 .000	.066	.000		0 .000	.000	.000		0	32	32	0	0	0	70
	TRUCK, HIGHWAY																		
690	0 THRU 10,000 GVW	A	6	25	15 .000	.015	.009		0 .000	.000	.000		0	28	24	41	29	0	70
690		S	5	25	20 .000	.020	.012		0 .000	.000	.000		0	28	24	36	22	0	80
695	OVER 10,000 THRU 30,000 GVW	A	8	25	35 .000	.035	.020		0 .000	.000	.000		0	30	26	49	39	0	60
695		S	6	25	46 .000	.045	.026		0 .000	.000	.000		0	30	26	42	30	0	70
705	OVER 30,000 GVW	A	8	20	50 .000	.052	.030		0 .000	.000	.000		0	32	28	51	38	57	60
705		S	6	20	65 .000	.067	.039		0 .000	.000	.000		0	32	28	43	29	48	70
720	TRUCK, OFF-HIGHWAY	A	12	15	40 .000	.000	.024		0 .000	.000	.000		0	0	34	59	36	65	60
720		S	10	15	52 .000	.000	.031		0 .000	.000	.000		0	0	34	39	21	43	70
765	WAGON, BOTTOM & REAR DUMP	A	12	15	65 .000	.066	.038		0 .000	.000	.000		0	24	32	59	39	65	60
765		S	10	15	85 .000	.086	.050		0 .000	.000	.000		0	24	32	39	22	43	70
780	WAGON, WATER	A	12	20	65 .000	.066	.038		0 .000	.000	.000		0	24	32	73	55	81	60
780		S	10	20	85 .000	.086	.050		0 .000	.000	.000		0	24	32	56	40	62	65

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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	8	30	80	.000	.081	.047	0	.000	.000	.000	0	24	24	0	0	90	70
811	WELDERS ELECTRIC POWER	A	8	25	60	.600	.000	.000	0	.000	.000	.000	30	0	0	0	0	90	40

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

1967 = 1000

CATEGORY	0	1	2	3	4	YEAR PURCHASE NEW			1978	1977	1976	1975	1974
						5	6	7					
Air Equipment	1785	1733	1683	1695	1668	1563	1630	1521	1354	1295	1186	1165	1028
Asphalt & Concrete Paving Equipment	2766	2685	2611	2583	2620	2461	2296	2111	1941	1815	1686	1610	1451
Buckets	4732	4639	4527	4471	4541	4313	3879	3280	2963	2738	2520	2175	1838
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3463	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522
Drills	2858	2830	2803	2836	2810	2602	2265	1993	1858	1699	1638	1559	1373
Generators	3581	3511	3400	3314	3236	3160	2817	2390	2301	2128	2053	1839	1456
Graders, Motor	3813	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604
Loaders, Track	3807	3769	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573
Loaders, Wheel	4013	3973	3944	3873	3788	3441	2938	2606	2375	2156	2002	1907	1584
Pile Driving Equipment	3698	3625	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523
Rollers	4212	4089	3926	3744	3431	3199	2913	2653	2396	2139	1983	1872	1556
Scrapers and Soil Stabilizers	3813	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604
Shovels, Backhoes & Hydraulic Excavators	3463	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522
Tractors, Crawler & Attachments	3807	3769	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573
Tractors, Wheel	3894	3818	3656	3557	3530	3256	2927	2578	2319	2125	1956	1813	1498
Trenchers	4580	4490	4431	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527
Trucks, Highway	3268	3142	3055	2934	2824	2638	2324	2108	1934	1775	1646	1524	1369
Trucks & Wagons - Off Highway	3900	3824	3786	3744	3662	3363	2964	2588	2364	2196	2081	1965	1568
All Other Equipment	3698	3625	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523
All Tires & Tubes	2401	2377	2421	2453	2552	2506	2369	2055	1792	1699	1615	1485	1334

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.

<u>No.</u>	<u>Condition</u>	<u>Factor</u>	
		<u>Average</u>	<u>Severe</u>
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
		<u>0.648</u>	<u>0.428</u>
F	Wheel Positions		
	Trailing (T-Tire)	1.00	1.00
	Front (F-Tire)	0.90	0.90
	Driver (D-Tire)		
	(Rear Dump)	0.70	0.70
	(Bottom Dump)	0.70	0.70
	(Self-Propelled Scrapers)	0.60	0.60
G	Grades (Drive Tire Only)	0.85	0.75

FINAL TIRE WEAR FACTORS

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

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

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TABLE F-1. Maximum Tire Life.

Bias Ply Tires:

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

Radial Ply Tires:

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

APPENDIX G
EQUIPMENT EXTRAS

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

(1) Crane, Crawler-Mounted.

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

(2) Dragline and Clamshell, Crawler-Mounted.

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

(3) Backhoe and Shovel, Crawler-Mounted.

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

(4) Truck Crane Less than 25 Ton.

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

(5) Truck Crane 25 Ton and Larger.

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

(6) Excavators, Hydraulic.

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

(7) Grader.

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

(8) Belt Loader.

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

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

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

(10) Scraper.

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

(11) Tractor, Crawler.

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

(12) Tractor, Wheel Dozer.

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

(13) Trucks, Off-Highway.

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