



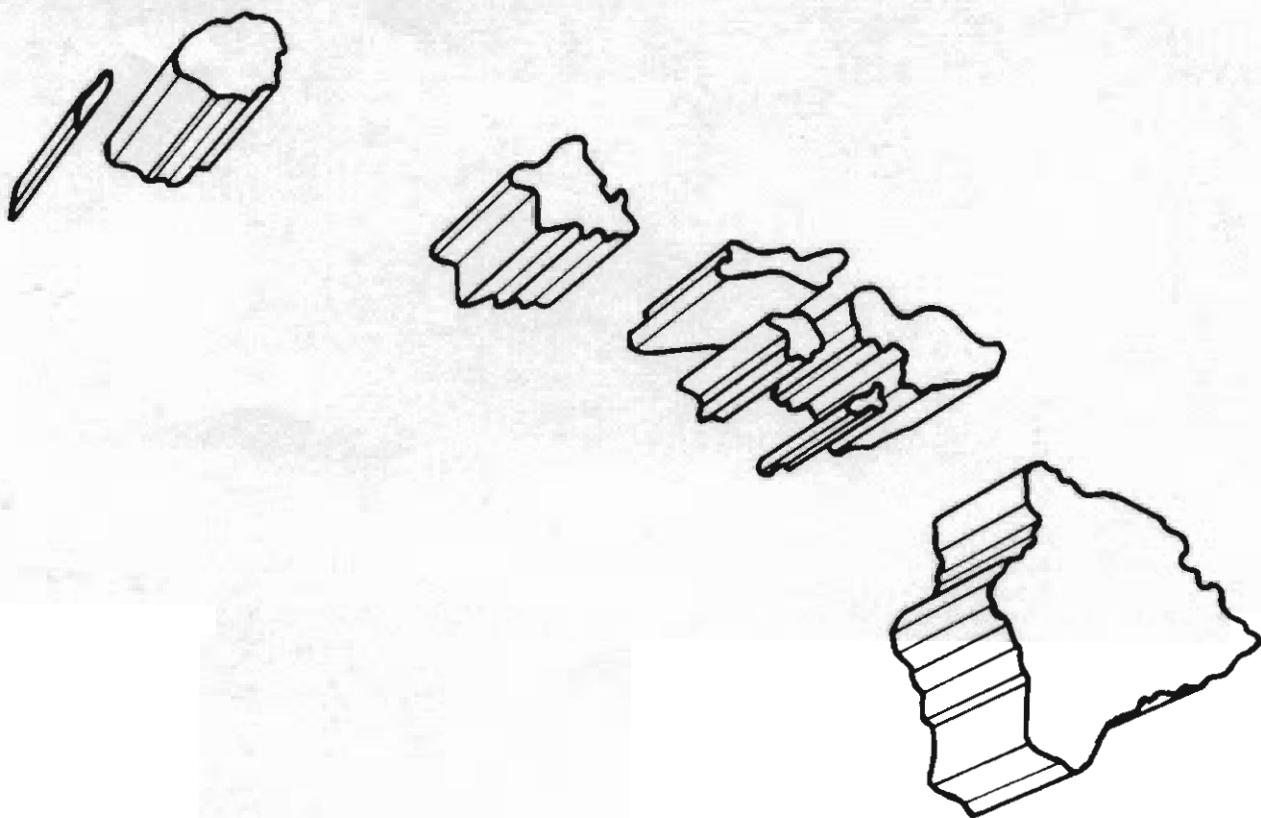
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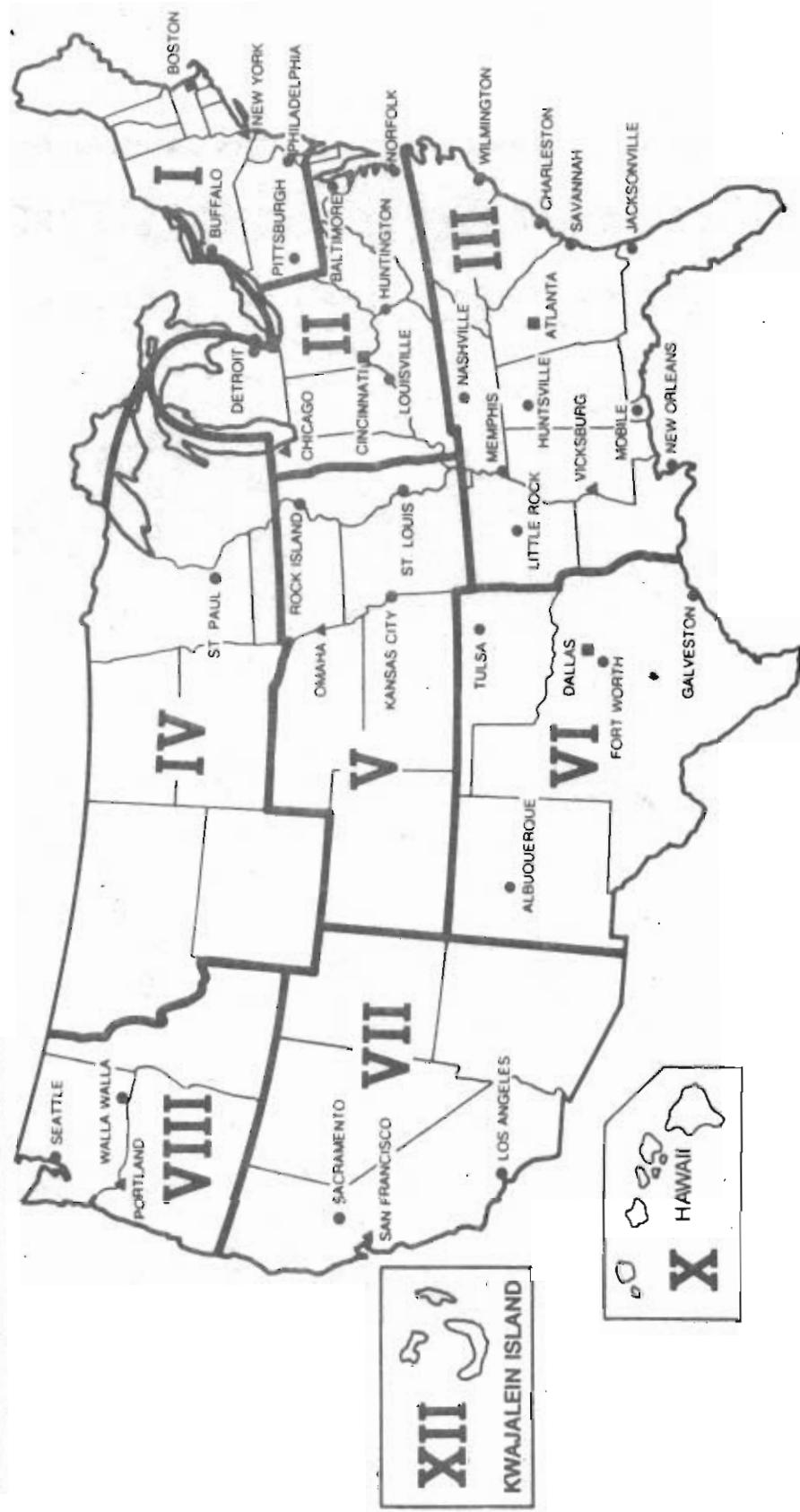
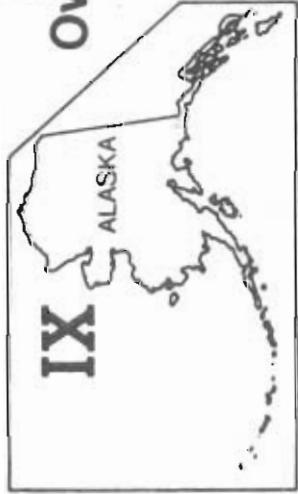
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Construction Equipment Ownership and Operating Expense Schedule

Region X



Regions for the Construction Equipment Ownership and Operating Expense Schedule



DAEN-ECE-S

DEPARTMENT OF THE ARMY
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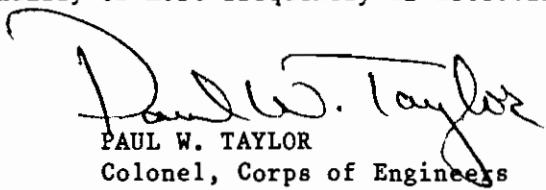
Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

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 X which includes the following states:

Hawaii

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

FOR THE COMMANDER:


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

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DEPARTMENT OF THE ARMY
US Army Corps of Engineers
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CHAPTER 1

INTRODUCTION

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

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

Hawaii

1-3. References. See APPENDIX A.

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

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

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

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

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

CHAPTER 2

METHODOLOGY

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

2-2. Construction Equipment.

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

b. Operating Conditions.

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

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

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

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

(1) Depreciation.

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

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

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

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

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

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

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

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

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

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

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

d. Operating Cost.

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

(2) Fuel Consumption Cost.

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

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

where:

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

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

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

(4) Gasoline wt = 6.1 lbs per gallon

(5) Diesel wt = 7.1 lbs per gallon

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

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

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

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

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

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

(4) Maintenance and Repair Costs.

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

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

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>3260</u>				
(1) Equipment Description	<u>P&H Truck Crane 50 ton</u>				
(2) Model and Series	<u>650A-TC 1/150' Boom</u>				
(3) Year Purchased	<u>1983</u>	(4) Year Manufactured	<u>1983</u>		
(5) Equipment Horsepower	<u>135</u>	(6) Carrier Horsepower	<u>236</u>		
(7) Fuel Type	<u>Diesel / Diesel</u>	(8) Shipping Weight	<u>122,200 lbs</u>		
(9) Tire Size: Front	<u>14X20-18PR</u>	Drive	<u>14X20-18PR</u>	Trailing	<u>—</u>
b. Key Number from APPENDIX D	<u>225</u>				
(1) Condition	<u>Average</u>				
(2) Salvage Value %	<u>15 %</u>	(3) Life	<u>18,000 Hrs.</u>		
(4) Equipment Fuel Factor	<u>.038</u>	(5) Carrier Fuel Factor	<u>.026</u>		
(6) FOG Factor:	Gas <u>N/A</u>	Diesel <u>.26</u>	Electric <u>N/A</u>		
(7) Tire Wear Factor: Front	<u>.97</u>	Drive <u>.78</u>	Trailing <u>N/A</u>		
(8) Repairs Cost Factor	<u>.60</u>				
2. EQUIPMENT COST					
a. List Price Year of Manufacture (including extras)	<u>\$ 403,894.00</u>				
(1) Discount: (List Price) x *.075 *(17.5% for Highway Trucks)	<u>= (\$ 403,894) x *.075</u>	<u>= (-) \$ 28,292.05</u>			
(2) Freight: (Shipping Weight) x (Prep. and Del. Rate) <small>From 1-a-(8) From APPENDIX B</small>	<u>= (1222 cwt) x (\$ 14.55)</u>	<u>= (+) \$ 17,780.10</u>			
b. Subtotal: Summation of Part a. (Use actual cost when available)	<u>= \$ 391,382.05</u>				
(1) State Sales Tax: (Subtotal) x (Tax Rate) <small>From 2-b</small>	<u>= (\$ 391,382.05) x (.04)</u>	<u>= (+) \$ 15,655.28</u>			
c. Equipment Cost: Summation of Part b. (Use actual cost when available)	<u>= \$ 407,037.33</u>				

Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

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

$$= (\underline{18,000} \text{ Brs}) + (\underline{1,650} \text{ Brs/Yr}) \quad \underline{10.91} \text{ Yrs.}$$

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

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

5. SALVAGE VALUE FACTOR (S)

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

$$= (\underline{15}) \times (\underline{1,047}) = \underline{157}(s)$$

6. OWNERSHIP COSTS

a. Depreciation:

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

$$= (\$ \underline{407,037}) \times (1.0 - (.157)) = (\$ \underline{8,211}) + (\underline{18,000} \text{ HR}) = \$ \underline{18,611 \text{ HR}}$$

b. Cost of Facilities Capital (CPC):

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

$$= [(10.9 \text{ yrs} - 1.0) \times (15.7 + 1.0) + 2.0] + [(10.9 \text{ yrs}) \times 2.0] = 671$$

(2) $\frac{\text{Equipment Cost From}}{\text{Value Factor From}}$ x $\frac{\text{CPC Factor From Para. 1}}{\text{From 6-b-(1)}} \times \frac{\text{Hrs Use/Yr From}}{\text{2-c-(2) APP. B}}$

$$-(\$ \underline{407,037}) \times (.6171) \times (.097) + (\underline{1650} \text{ Hrs/Yr}) = \$ \underline{14,77} \text{ Hr.$$

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

~~-\$33.30~~/hr.

Figure 2-1. (Continued)

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

7. OPERATING COSTS

a. Fuel Costs:

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

$$= (.038) \times (135 \text{ HP}) \times (\$ 1.11/\text{Gal}) = \$ 5.69/\text{Hr.}$$

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

$$= (.005) \times (236 \text{ HP}) \times (\$ 1.40/\text{Gal}) = \$ 1.98/\text{Hr.}$$

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) = \\$ 7.67/Hr.

b. FOG Costs:

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

$$= (.26) \times (\$ 5.69/\text{Hr}) = \$ 1.48/\text{Hrs.}$$

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

$$= (.26) \times (\$ 1.98/\text{Hr}) = \$.51/\text{Hr.}$$

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) = \\$ 1.99/Hr.

c. Repairs Cost:

(1) Repair Factor:

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

$$= (.60) \times (1,047) \times (1.06) = 666$$

(2) Hourly Repairs:

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

$$=[(\$ 407,037) - (\$ 8,211)] \times (.666) + (\$ 18,000/\text{Hr}) = \$ 14,76/\text{Hr.}$$

Figure 2-1. (Continued)

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

d. Tire Wear Costs (Current Price Levels):

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

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

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

$$= 1.5 \times (\underline{5552}) + [1.8 \times (\underline{.78}) \times (\underline{5000 \text{ Hr}})] = \$ \underline{619} / \text{Hr.}$$

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

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

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

$$\text{e. Tire Repair Cost: } (\text{Tire Wear Frm 7-d-(1)} \times 0.15) \\ = (\underline{167}) \times 0.15 = \$ \underline{25} / \text{Hr.}$$

$$\text{f. Total Operating Costs: } (\text{Sum 7-a thru 7-e}) = \$ \underline{26.34} / \text{Hr.}$$

8. TOTAL HOURLY RATES

$$\text{a. Single Shift Hourly Rate: } (40 \text{ Hours per Week}) \\ (\text{Ownership Costs Frm 6-c}) + (\text{Operating Costs Frm 7-f}) \\ = (\underline{33.38} / \text{Hr}) + (\underline{26.34} / \text{Hr}) = \$ \underline{59.72} / \text{Hr.}$$

$$\text{b. Hourly Rate for Other Work Shifts:} \\ (\text{Depreciation Frm 6-a}) + [(\text{CFC Frm 6-b-(2)} \times 40 + (\text{Work Hrs Frm 7-f})) \\ \text{Per Week}] = (\underline{18.61} / \text{Hr}) + [(\underline{14.77} / \text{Hr}) \times 40 + (\underline{60 \text{ Hr/Wk}})] + (\underline{26.34} / \text{Hr}) = \$ \underline{54.80} / \text{Hr.}$$

$$\text{c. Hourly Standby Rate:} \\ (\text{Depreciation Frm 6-a}) \times 0.25 + (\text{CFC Frm 6-b-(2)}) \\ = (\underline{18.61} / \text{Hr}) \times 0.25 + (\underline{14.77} / \text{Hr}) = \$ \underline{19.42} / \text{Hr.}$$

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.

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

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

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

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

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

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

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

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

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

CHAPTER 3

RATE SCHEDULE

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

3-2. Hourly Equipment Ownership and Operating Expense.

a. Description.

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

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

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

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

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

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

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

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

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

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

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

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

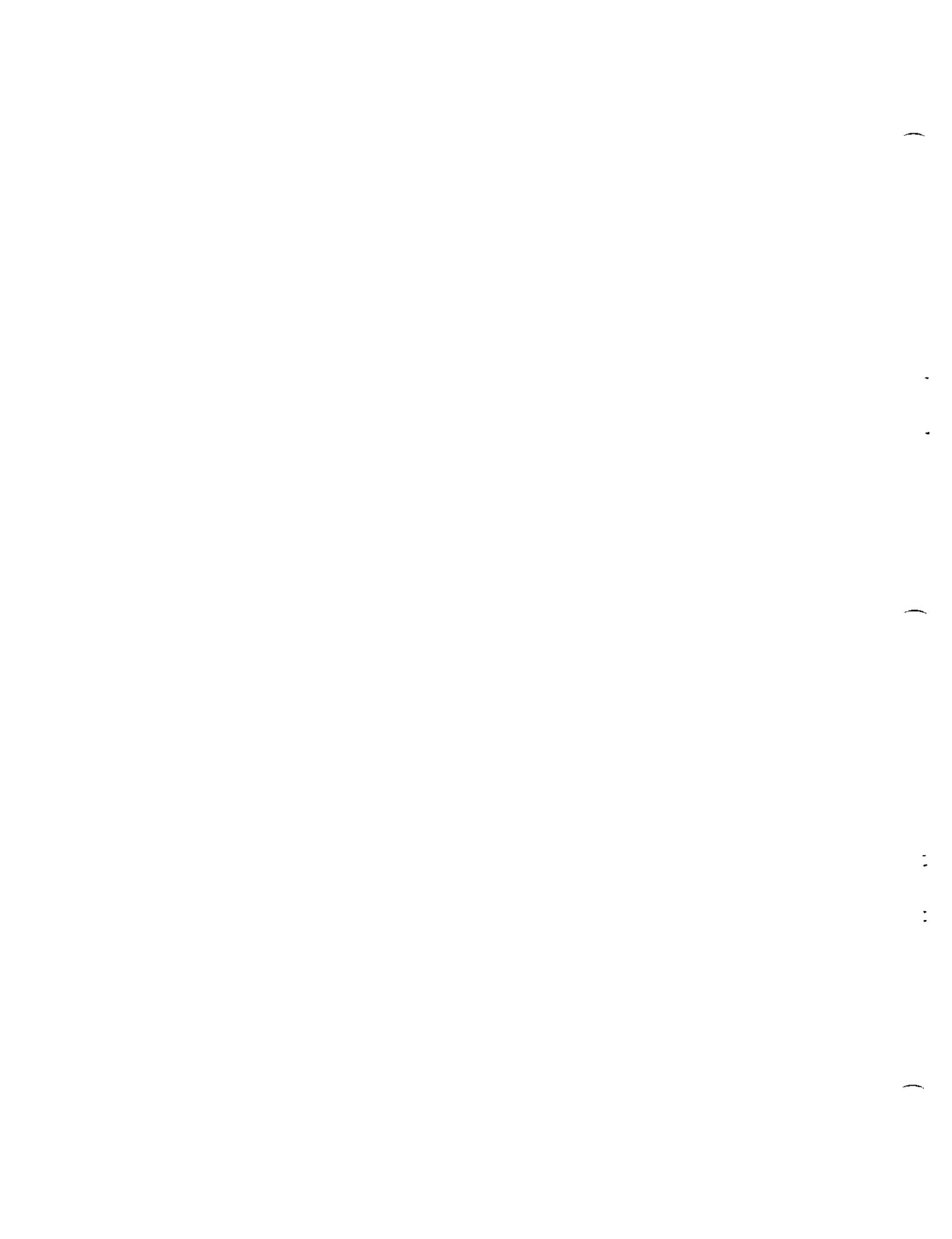


TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
AGGREGATE SPREADER *****										
1010	ETNYRE - SELF-PROPELLED SPREAD TO 8" DEPTH & 10' WIDE	184 HP G	58,159	27.01		3.42	6.81	12.57		155
1015	SPREAD TO 8" DEPTH & 13' WIDE	140 HP D	64,795	18.49		3.81	7.59	4.66		160
AIR COMPRESSORS, PORTABLE ***** (HOSE NOT INCLUDED)										
ROTARY SCREW										
1030	SIZE 100 CFM QUIET 100 PSI	50 HP G	11,430	8.03		0.67	1.29	4.42		20
1035	SIZE 100 CFM QUIET 100 PSI	33 HP D	13,746	4.42		0.81	1.56	1.39		26
1040	SIZE 125 CFM QUIET 100 PSI	70 HP G	13,981	10.86		0.83	1.59	6.19		24
1045	SIZE 125 CFM QUIET 100 PSI	51 HP D	14,878	5.60		0.87	1.69	2.15		26
1050	SIZE 175 CFM QUIET 100 PSI	70 HP G	15,256	11.09		0.90	1.73	6.19		26
1055	SIZE 175 CFM QUIET 100 PSI	54 HP D	17,284	6.23		1.02	1.96	2.28		28
1060	SIZE 185 CFM QUIET 100 PSI	70 HP G	15,753	11.19		0.93	1.79	6.19		27
1065	SIZE 185 CFM QUIET 100 PSI	69 HP D	18,535	7.28		1.09	2.11	2.91		29
1070	SIZE 250 CFM QUIET 100 PSI	88 HP D	27,821	10.09		1.64	3.17	3.71		55
1075	SIZE 375 CFM QUIET 100 PSI	122 HP D	34,673	13.27		2.03	3.90	5.15		79
1080	SIZE 450 CFM QUIET 100 PSI	152 HP D	44,707	16.83		2.63	5.06	6.41		89
1085	SIZE 600 CFM QUIET 100 PSI	188 HP D	53,514	20.46		3.15	6.06	7.93		97
1090	SIZE 750 CFM QUIET 100 PSI	228 HP D	62,325	24.31		3.66	7.06	9.62		128
1095	SIZE 825 CFM QUIET 100 PSI	260 HP D	70,646	27.63		4.16	8.01	10.97		130
1100	SIZE 900 CFM QUIET 100 PSI	270 HP D	77,505	29.49		4.56	8.80	11.39		148
1105	SIZE 1000 CFM QUIET 100 PSI	294 HP D	86,995	32.61		5.13	9.89	12.40		186
1110	SIZE 1200 CFM QUIET 100 PSI	400 HP D	103,601	41.52		6.11	11.79	16.87		196
1115	SIZE 1600 CFM QUIET 100 PSI	456 HP D	117,033	47.15		6.90	13.31	19.23		216

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
AIR EQUIPMENT ***** (HOSE NOT INCLUDED)													
CLEMCO - SANDBLASTERS													
1130	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,543	1.08		0.15	0.38	0.00		3				
1135	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,802	1.90		0.27	0.68	0.00		5				
1140	SOWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,838	1.93		0.27	0.69	0.00		6				
1145	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	3,125	2.19		0.30	0.76	0.00		7				
1150	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,217	2.90		0.40	1.02	0.00		9				
1155	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	12,295	8.23		1.14	2.91	0.00		28				
1160	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	15,294	10.19		1.41	3.56	0.00		45				
1165	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	18,621	12.47		1.72	4.36	0.00		53				
GARDNER DENVER - TOOLS													
1175	SPADER SP27E	32CFM A	922	0.66		0.09	0.22	0.00	1				
1180	SINKER DRILL S58	98CFM A	2,003	1.43		0.19	0.49	0.00	1				
1185	PAVING BREAKER B37	41CFM A	946	0.68		0.09	0.23	0.00	1				
1190	PAVING BREAKER B67C	46CFM A	1,013	0.73		0.10	0.25	0.00	1				
1195	PAVING BREAKER B87C	50CFM A	1,100	0.79		0.11	0.27	0.00	1				
1200	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,666	2.54		0.35	0.89	0.00	1				
MASTER - CONCRETE VIBRATORS													
1210	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	1,976	2.00		0.19	0.48	0.00	1				
1215	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,276	1.32		0.12	0.31	0.00	1				
1220	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,147	1.17		0.11	0.28	0.00	1				
1225	CONCRETE VIBR. MOD A-30010 3"	64CFM A	1,037	1.06		0.10	0.26	0.00	1				
1230	CONCRETE VIBR. MOD A-25010 2.5"	40CFM A	816	0.83		0.08	0.20	0.00	1				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT								
			CONDITION		STAND-BY	AVERAGE OWNERSHIP	SEVERE OWNERSHIP	FUEL									
			AVERAGE	SEVERE													
ASPHALT DISTRIBUTOR - ROSCO																	

(NO CHASSIS)																	
1240	MOD RES 1000 GAL. TRUCK MOUNTED 18,000 TO 24,000 GW REQUIRED	45 HP G	28,598	11.30		1.69	3.39	3.98	72								
1245	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GW REQUIRED	45 HP G	29,298	11.45		1.73	3.48	3.98	75								
1250	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GW REQUIRED	45 HP G	31,451	11.91		1.87	3.74	3.98	87								
1255	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GW REQUIRED	45 HP G	35,468	12.75		2.10	4.21	3.98	109								
ASPHALT FINISHERS																	

SPW=STANDARD PAVING WIDTH																	
BARBER-GREENE																	
1265	MOD SB111 8' SPW (PNEUMATIC)	70 HP D	92,040	23.85		5.41	10.79	2.95	165								
1270	MOD SB131 10' SPW (PNEUMATIC) W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	95 HP D	145,948	37.05		8.55	16.99	4.01	258								
1275	MOD SB140 10' SPW (PNEUMATIC) OPTIONS SAME AS MOD SB131	130 HP D	162,162	42.47		9.51	18.92	5.48	325								
1280	MOD SA150 10' SPW (CRAWLER) OPTIONS SAME AS MOD SB131	130 HP D	192,906	48.88		11.41	22.89	5.48	375								
BLAW-KNOX																	
1290	MOD PF-22 5' SPW (PNEUMATIC)	22 HP D	47,595	11.61		2.78	5.51	0.93	95								
1295	MOD PF-35 6' SPW (PNEUMATIC)	56 HP D	74,185	19.22		4.36	8.67	2.36	104								
1300	MOD PF-115 8' SPW (PNEUMATIC)	58 HP D	103,476	25.74		6.08	12.10	2.45	180								
1305	MOD PF-120H 8' SPW (PNEUMATIC)	87 HP D	129,120	32.95		7.55	14.98	3.67	240								
1310	MOD PF-180H 10' SPW (PNEUMATIC)	88 HP D	151,144	37.84		8.84	17.53	3.71	277								
1315	MOD PF-220 12' SPW (PNEUMATIC)	157 HP D	199,683	52.23		11.68	23.15	6.62	387								
1320	MOD PF-400 8' SPW (CRAWLER)	76 HP D	141,858	34.90		8.40	16.84	3.21	230								
1325	MOD PF-500 10' SPW (CRAWLER)	110 HP D	169,765	42.78		10.04	20.15	4.64	291								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT	
			CONDITION		STAND BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP		
ASPHALT KETTLES - ROSCO *****										
1335	MOD KB 110 GAL. TRAILER MOUNTED	3,921	1.97		0.26	0.54	0.00		13	
1340	MOD KD 225 GAL. TRAILER MOUNTED	4,570	2.22		0.29	0.62	0.00		16	
ASPHALT RECYCLER - BOMAG *****										
1350	MOD AR-6 TRAILER MOUNTED	8 HP G	10,547	5.14		0.69	1.46	0.71	21	
BROOMS - M-B *****										
1360	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER		6,769	1.55		0.39	0.76	0.00	24	
1365	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	21 HP G	8,751	4.09		0.52	1.00	1.86	30	
1370	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		2,958	0.78		0.18	0.34	0.00	10	
1375	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		4,563	1.05		0.28	0.53	0.00	14	
BRUSH CHIPPERS - FMC *****										
1385	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	12,228	14.87		0.72	1.45	9.25		41	
1390	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	13,384	15.13		0.79	1.57	9.25		45	
BUCKETS, CLAMSHELL *****										
ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE										
1400	.75 C.Y.	10,694	2.13	2.72	0.64	1.31	0.00	1.55	0.00	
1405	1.0 C.Y.	11,527	2.29	2.93	0.68	1.41	0.00	1.67	0.00	
1410	1.5 C.Y.	16,723	3.33	4.24	0.99	2.05	0.00	2.42	0.00	
1415	2.0 C.Y.	19,603	3.91	4.98	1.17	2.41	0.00	2.84	0.00	
1420	2.5 C.Y.	25,275	5.03	6.42	1.50	3.10	0.00	3.66	0.00	
1425	3.0 C.Y.	26,911	5.35	6.82	1.59	3.30	0.00	3.89	0.00	
1430	3.5 C.Y.	29,307	5.83	7.43	1.73	3.59	0.00	4.24	0.00	
									105	

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

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

ESCO - MODEL GPS													
GEN PURPOSE & SQUARE NOSE (CONT'D)													
1435	4.0 C.Y.	32,469	6.46	8.24	1.92	3.98	0.00	4.70	0.00	115			
1440	4.5 C.Y.	35,300	7.02	8.96	2.09	4.33	0.00	5.11	0.00	126			
1445	5.0 C.Y.	37,723	7.50	9.57	2.23	4.62	0.00	5.46	0.00	140			
1450	5.5 C.Y.	41,712	8.30	10.59	2.47	5.12	0.00	6.04	0.00	152			
1455	6.0 C.Y.	43,440	8.63	11.03	2.57	5.32	0.00	6.29	0.00	160			
1460	6.5 C.Y.	44,789	8.91	11.36	2.65	5.49	0.00	6.48	0.00	169			
1465	7.0 C.Y.	47,126	9.38	11.96	2.79	5.78	0.00	6.82	0.00	177			
1470	7.5 C.Y.	49,020	9.75	12.43	2.90	6.01	0.00	7.09	0.00	184			
ESCO - MODEL HDS													
HEAVY DUTY & SQUARE NOSE													
1480	.75 C.Y.	10,169	2.03	2.59	0.61	1.25	0.00	1.48	0.00	33			
1485	1.0 C.Y.	14,158	2.82	3.59	0.84	1.74	0.00	2.05	0.00	46			
1490	1.5 C.Y.	20,820	4.14	5.28	1.23	2.55	0.00	3.01	0.00	70			
1495	2.0 C.Y.	22,604	4.49	5.73	1.34	2.77	0.00	3.27	0.00	78			
1500	2.5 C.Y.	28,424	5.65	7.21	1.68	3.48	0.00	4.11	0.00	98			
1505	3.0 C.Y.	31,310	6.23	7.94	1.85	3.84	0.00	4.53	0.00	109			
1510	3.5 C.Y.	35,915	7.15	9.12	2.13	4.41	0.00	5.20	0.00	120			
1515	4.0 C.Y.	38,798	7.72	9.85	2.30	4.76	0.00	5.62	0.00	131			
1520	4.5 C.Y.	41,825	8.32	10.61	2.48	5.13	0.00	6.05	0.00	141			
1525	5.0 C.Y.	44,931	8.94	11.40	2.66	5.51	0.00	6.50	0.00	155			
1530	5.5 C.Y.	47,558	9.46	12.07	2.82	5.83	0.00	6.89	0.00	164			
1535	6.0 C.Y.	50,069	9.95	12.71	2.96	6.13	0.00	7.25	0.00	174			
1540	6.5 C.Y.	52,892	10.52	13.43	3.13	6.48	0.00	7.66	0.00	185			
1545	7.0 C.Y.	55,255	10.99	14.02	3.27	6.77	0.00	8.00	0.00	193			
1550	7.5 C.Y.	57,579	11.45	14.62	3.41	7.06	0.00	8.34	0.00	201			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
BUCKETS, CLAMSHELL (CONT'D) *****												
ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE												
1560	.75 C.Y.	16,064	3.20	4.08	0.95	1.97	0.00	2.33	0.00	50		
1565	1.0 C.Y.	16,463	3.28	4.17	0.98	2.02	0.00	2.38	0.00	55		
1570	1.5 C.Y.	23,806	4.74	6.05	1.41	2.92	0.00	3.45	0.00	81		
1575	2.0 C.Y.	29,323	5.84	7.45	1.74	3.60	0.00	4.25	0.00	99		
1580	2.5 C.Y.	33,073	6.58	8.40	1.96	4.06	0.00	4.79	0.00	115		
1585	3.0 C.Y.	36,097	7.17	9.16	2.13	4.42	0.00	5.23	0.00	127		
1590	3.5 C.Y.	39,035	7.76	9.91	2.31	4.78	0.00	5.65	0.00	141		
1595	4.0 C.Y.	41,569	8.27	10.54	2.46	5.10	0.00	6.01	0.00	150		
1600	4.5 C.Y.	43,402	8.63	11.02	2.57	5.32	0.00	6.29	0.00	160		
1605	5.0 C.Y.	47,181	9.38	11.97	2.79	5.78	0.00	6.83	0.00	173		
1610	5.5 C.Y.	50,191	9.98	12.74	2.97	6.15	0.00	7.27	0.00	185		
1615	6.0 C.Y.	52,946	10.53	13.44	3.13	6.49	0.00	7.67	0.00	195		
1620	6.5 C.Y.	56,000	11.14	14.21	3.32	6.87	0.00	8.11	0.00	208		
1625	7.0 C.Y.	58,263	11.60	14.79	3.45	7.15	0.00	8.44	0.00	218		
1630	7.5 C.Y.	61,226	12.18	15.53	3.63	7.51	0.00	8.86	0.00	229		
BUCKETS, CONCRETE - GAR-BRO *****												
GENERAL PURPOSE & MANUAL												
1640	433-G 1.0 C.Y.	1,619	0.31		0.09	0.19	0.00			6		
1645	442-G 1.5 C.Y.	2,032	0.40		0.12	0.24	0.00			8		
1650	462-G 2.0 C.Y.	2,640	0.51		0.15	0.31	0.00			11		
1655	493-G 3.0 C.Y.	3,783	0.74		0.23	0.45	0.00			19		
1660	4123-G 4.0 C.Y.	4,731	0.93		0.29	0.57	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. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL									
			AVERAGE	SEVERE													
BUCKETS, CONCRETE - GAR-BRO (CONT'D) *****																	
LOW SLUMP - AIR OPERATED GATE																	
1670	440-A 1.0 C.Y.	6,617	1.29		0.39	0.79	0.00		19								
1675	450-A 1.5 C.Y.	6,900	1.35		0.41	0.82	0.00		21								
1680	460-A 2.0 C.Y.	7,186	1.40		0.42	0.85	0.00		23								
1685	493-A 3.0 C.Y.	9,631	1.88		0.57	1.15	0.00		42								
1690	4139-A 4.0 C.Y.	10,158	1.99		0.60	1.21	0.00		52								
1695	4200-A 6.0 C.Y. DBL. COMPT.	14,621	2.85		0.86	1.73	0.00		72								
1700	4250-A 8.0 C.Y. DBL. COMPT.	17,391	3.39		1.03	2.06	0.00		80								
LAYDOWN - HEAVY DUTY - AIR GATE																	
1710	425-A 1.0 C.Y.	7,557	1.48		0.45	0.90	0.00		26								
1715	465-A 2.0 C.Y.	8,472	1.65		0.50	1.00	0.00		31								
1720	495-A 3.0 C.Y.	9,887	1.93		0.59	1.18	0.00		40								
1725	4125-A 4.0 C.Y.	11,080	2.17		0.66	1.32	0.00		49								
1730	4155-A 5.0 C.Y.	13,020	2.53		0.77	1.54	0.00		60								
BUCKETS, DRAGLINE *****																	
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED																	
1745	.75 C.Y.	3,628	0.73	0.92	0.22	0.45	0.00	0.52	0.00								
1750	1.0 C.Y.	4,308	0.85	1.10	0.25	0.52	0.00	0.63	0.00								
1755	1.5 C.Y.	5,330	1.06	1.35	0.31	0.65	0.00	0.77	0.00								
1760	2.0 C.Y.	6,316	1.25	1.61	0.37	0.77	0.00	0.92	0.00								
1765	2.5 C.Y.	7,409	1.48	1.88	0.44	0.91	0.00	1.07	0.00								
1770	3.0 C.Y.	9,143	1.82	2.33	0.54	1.12	0.00	1.33	0.00								
1775	3.5 C.Y.	10,095	2.00	2.56	0.59	1.23	0.00	1.46	0.00								
1780	4.0 C.Y.	12,371	2.46	3.14	0.73	1.52	0.00	1.79	0.00								
1785	4.5 C.Y.	13,133	2.61	3.33	0.78	1.61	0.00	1.90	0.00								
1790	5.0 C.Y.	15,884	3.15	4.03	0.94	1.94	0.00	2.30	0.00								

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

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

HENDRIX - MODEL LS												
LIGHT WEIGHT & PERFORATED (CONT'D)												
1795	6.0 C.Y.	17,180	3.41	4.36	1.01	2.10	0.00	2.49	0.00	90		
1800	7.0 C.Y.	18,829	3.75	4.78	1.12	2.31	0.00	2.73	0.00	101		
1805	8.0 C.Y.	20,874	4.15	5.31	1.23	2.56	0.00	3.03	0.00	112		
1810	9.0 C.Y.	24,086	4.80	6.12	1.43	2.96	0.00	3.49	0.00	128		
1815	10.0 C.Y.	26,175	5.21	6.64	1.55	3.21	0.00	3.79	0.00	139		
1820	12.0 C.Y.	32,092	6.38	8.14	1.90	3.93	0.00	4.64	0.00	166		
1825	14.0 C.Y.	36,902	7.34	9.36	2.18	4.52	0.00	5.34	0.00	191		
HENDRIX - MODEL TS, MEDIUM WEIGHT												
1835	.75 C.Y.	4,220	0.84	1.07	0.25	0.52	0.00	0.61	0.00	17		
1840	1.0 C.Y.	5,157	1.03	1.31	0.31	0.64	0.00	0.75	0.00	19		
1845	1.5 C.Y.	6,435	1.27	1.63	0.38	0.78	0.00	0.93	0.00	28		
1850	2.0 C.Y.	7,718	1.53	1.96	0.45	0.94	0.00	1.12	0.00	36		
1855	2.5 C.Y.	8,889	1.77	2.26	0.53	1.09	0.00	1.29	0.00	41		
1860	3.0 C.Y.	10,629	2.11	2.70	0.63	1.30	0.00	1.54	0.00	49		
1865	3.5 C.Y.	11,736	2.34	2.98	0.70	1.44	0.00	1.70	0.00	54		
1870	4.0 C.Y.	14,177	2.82	3.60	0.84	1.74	0.00	2.05	0.00	70		
1875	4.5 C.Y.	15,113	3.00	3.84	0.89	1.85	0.00	2.19	0.00	72		
1880	5.0 C.Y.	19,383	3.86	4.92	1.15	2.38	0.00	2.81	0.00	93		
1885	6.0 C.Y.	20,029	3.98	5.08	1.18	2.45	0.00	2.90	0.00	96		
1890	7.0 C.Y.	22,886	4.56	5.80	1.36	2.81	0.00	3.31	0.00	111		
1895	8.0 C.Y.	25,194	5.01	6.39	1.49	3.09	0.00	3.64	0.00	122		
1900	9.0 C.Y.	30,208	6.01	7.66	1.79	3.70	0.00	4.37	0.00	149		
1905	10.0 C.Y.	32,176	6.40	8.17	1.90	3.94	0.00	4.66	0.00	159		
1910	12.0 C.Y.	40,998	8.16	10.40	2.43	5.03	0.00	5.93	0.00	202		
1915	14.0 C.Y.	45,653	9.08	11.59	2.71	5.60	0.00	6.61	0.00	225		

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

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

HENDRIX - MODEL MH-S, HEAVY WEIGHT													
1925	2.75 C.Y.	16,886	3.36	4.29	1.00	2.07	0.00	2.45	0.00	69			
1930	3.0 C.Y.	17,566	3.50	4.46	1.04	2.16	0.00	2.55	0.00	72			
1935	3.5 C.Y.	19,674	3.91	4.99	1.17	2.41	0.00	2.85	0.00	81			
1940	4.0 C.Y.	26,343	5.24	6.68	1.56	3.23	0.00	3.81	0.00	110			
1945	4.5 C.Y.	29,451	5.86	7.47	1.74	3.61	0.00	4.26	0.00	123			
1950	5.0 C.Y.	30,413	6.05	7.73	1.80	3.73	0.00	4.41	0.00	127			
1955	6.0 C.Y.	32,569	6.48	8.26	1.93	3.99	0.00	4.71	0.00	136			
1960	7.0 C.Y.	41,443	8.24	10.52	2.46	5.08	0.00	6.00	0.00	175			
1965	8.0 C.Y.	42,623	8.47	10.82	2.52	5.22	0.00	6.17	0.00	180			
1970	9.0 C.Y.	54,291	10.79	13.78	3.21	6.65	0.00	7.86	0.00	234			
1975	10.0 C.Y.	56,051	11.15	14.23	3.32	6.87	0.00	8.12	0.00	243			
1980	12.0 C.Y.	66,664	13.27	16.92	3.95	8.18	0.00	9.65	0.00	289			
1985	14.0 C.Y.	70,317	13.99	17.85	4.16	8.62	0.00	10.18	0.00	309			
SAUERMAN - CRESCENT SCRAPER													
WITH DRAGLINE CONVERSION KIT													
1995	SC-1050-K 1.0 C.Y.	9,782	1.95	2.48	0.58	1.20	0.00	1.41	0.00	15			
2000	SC-1060-K 1.5 C.Y.	12,541	2.50	3.19	0.75	1.54	0.00	1.82	0.00	20			
2005	SC-1070-K 2.0 C.Y.	17,150	3.41	4.35	1.01	2.10	0.00	2.48	0.00	25			
2010	SC-1090-K 3.0 C.Y.	22,734	4.51	5.77	1.34	2.78	0.00	3.29	0.00	36			
2015	SC-1100-K 4.0 C.Y.	33,903	6.75	8.60	2.01	4.16	0.00	4.90	0.00	49			
2020	SC-1110-K 5.0 C.Y.	38,693	7.69	9.82	2.29	4.74	0.00	5.60	0.00	58			
2025	SC-1120-K 6.0 C.Y.	46,858	9.32	11.89	2.77	5.74	0.00	6.78	0.00	68			
2030	SC-1130-K 8.0 C.Y.	57,019	11.34	14.48	3.38	6.99	0.00	8.26	0.00	88			
2035	SC-1140-K 10.0 C.Y.	69,170	13.76	17.55	4.09	8.48	0.00	10.01	0.00	106			
2040	SC-1150-K 12.0 C.Y.	80,395	15.99	20.40	4.76	9.86	0.00	11.64	0.00	132			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT	
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL		
COMPACTORS, MANUALLY OPERATED										
2050	UR-12 INGERSOLL-RAND RAMMER	3 HP G	1,691	1.12			0.13	0.29	0.37	1
2055	GVR75Y WACKER RAMMER	3 HP G	1,335	1.00			0.11	0.24	0.37	1
2060	GVR100 WACKER RAMMER	5 HP G	1,805	1.48			0.14	0.32	0.61	1
2065	GVR151Y WACKER RAMMER	5 HP G	2,348	1.69			0.18	0.41	0.61	2
2070	GVR220Y WACKER RAMMER	6 HP G	3,025	2.11			0.23	0.53	0.73	2
2075	VPG160B WACKER VIBRO PLATE	3 HP G	1,191	0.93			0.09	0.21	0.37	2
2080	VPG260K WACKER VIBRO PLATE	7 HP G	1,863	1.79			0.14	0.33	0.85	3
2085	BT-50 BOMAG TAMPING	4 HP G	1,755	1.30			0.13	0.30	0.49	1
2090	BT-70 BOMAG TAMPING	4 HP G	2,200	1.48			0.16	0.38	0.49	2
2095	BP-11K BOMAG VIBRO PLATE	4 HP G	1,536	1.21			0.11	0.26	0.49	3
2100	BP-19/75 BOMAG VIBRO PLATE	5 HP D	3,149	1.61			0.24	0.55	0.29	4
2105	BP-30 BOMAG VIBRO PLATE	5 HP D	5,372	2.49			0.41	0.94	0.29	5
2110	BP-50 BOMAG VIBRO PLATE	5 HP D	9,391	4.07			0.70	1.63	0.29	9
2115	BW-75E BOMAG WALK BEHIND S/D	5 HP D	7,311	3.25			0.55	1.27	0.29	10
2120	BW-35 BOMAG WALK BEHIND D/D	4 HP D	9,057	3.88			0.68	1.57	0.24	11
2125	BW-60SE BOMAG D/D ROLLER	8 HP D	12,626	5.57			0.95	2.19	0.47	20
2130	BW-90SE BOMAG D/D ROLLER	13 HP D	15,740	7.16			1.18	2.73	0.76	30
2135	VPG600 WACKER VIBRO PLATE	9 HP G	3,525	2.75			0.27	0.61	1.10	7
2140	DPS2350 WACKER VIBRO PLATE	7 HP D	3,670	1.95			0.27	0.63	0.41	4
2145	DPS4570 WACKER VIBRO PLATE	10 HP D	5,917	3.07			0.45	1.03	0.59	8
2150	DVU4001 WACKER VIBRO PLATE	10 HP D	12,054	5.50			0.91	2.10	0.59	13
2155	W 55 T WACKER D/D ROLLER	8 HP D	11,671	5.20			0.88	2.03	0.47	17
2160	W 74 T WACKER D/D ROLLER	8 HP D	13,165	5.79			0.99	2.29	0.47	19
CONCRETE BUGGIES - AEROIL										
2170	5 CF WALK-BEHIND	5 HP G	1,784	1.19			0.14	0.30	0.48	3

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT	
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL		
CONCRETE FINISHERS - BOMAG *****										
2180	MOD F46B4 GYRO TROWEL	7 HP G	1,462	1.33			0.11	0.24	0.67	2
2185	MOD RF2B4 DOUBLTROWEL	16 HP G	5,754	3.81			0.43	0.96	1.52	7
2190	MOD RF3B3 TRIPLTROWEL	16 HP G	7,419	4.34			0.55	1.24	1.52	9
CONCRETE MIXERS *****										
2200	PORTABLE CONCRETE MIXER 2.5 CF	1 HP E	695	0.32			0.05	0.10	0.07	2
2205	PORTABLE CONCRETE MIXER 3.5 CF	1 HP E	729	0.32			0.05	0.10	0.07	3
2210	PORTABLE CONCRETE MIXER 6.0 CF	7 HP G	2,152	1.54			0.15	0.34	0.67	7
2215	PORTABLE MORTAR MIXER 6.0 CF	7 HP G	1,731	1.41			0.12	0.27	0.67	6
CONCRETE PAVERS *****										
CMI										
2225	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANES, AND SIDEWALKS	142 HP D	133,530	36.65			7.90	15.85	5.99	263
2230	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MD.	208 HP D	235,439	62.32			13.92	27.94	8.77	470
2235	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MD.	250 HP D	413,511	103.23			24.46	49.08	10.54	720
GOMACO										
2245	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP G	27,883	13.65			1.65	3.29	5.75	91
2250	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MD	100 HP D	121,663	31.80			7.20	14.44	4.22	240
CONCRETE PLACERS, SHOTCRETE *****										
ALLENTOWN										
2260	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP D	25,400	7.62			1.64	3.49	0.75	45
2265	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP D	28,927	9.21			1.88	4.01	1.24	60

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

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

ALLENSTOWN (CONT'D)												
2270	GR600 ROTARY GUN 1-6 CY/HR INCL. HOSE, REQ. 550 CPM COMP.	550CFM A	8,279	2.36	0.53	1.12	0.00		9			
2275	GRL200 ROTARY GUN 4-12 CY/HR INCL. HOSE, REQ. 770 CPM COMP.	770CFM A	16,329	4.60	1.06	2.25	0.00		18			
CHALLENGE SQUEEZ-CRETE												
2285	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP D	44,668	16.67	2.90	6.21	3.85		70			
CONCRETE PUMPS												

MORGEN												
2295	MOD 204-305 TRAILER MTD 60 CY/HR 100 HP D		57,377	23.04	3.73	7.98	6.22		70			
2300	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK		145,356	59.34	9.43	20.14	16.46		255			
SCHWING												
2310	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D		45,436	17.28	2.95	6.32	4.16		66			
2315	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D		70,987	30.75	4.60	9.81	9.45		98			
2320	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D		72,892	31.26	4.73	10.08	9.45		98			
2325	MOD BP 3000 TRAILER MTD 127 CY/HR 177 HP D		96,537	39.47	6.27	13.41	11.00		130			
2330	MOD BP 5000 TRAILER MTD 151 CY/HR 300 HP D		123,697	56.41	8.04	17.20	18.65		150			
2335	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM		153,574	58.05	9.92	21.11	13.72		302			
2340	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM		222,110	76.08	14.38	30.65	13.72		321			
2345	MOD BPL1200 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM		277,662	97.16	17.97	38.30	18.74		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. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL									
			AVERAGE	SEVERE													
CONCRETE SAWS *****																	
FELKER (SAWBLADE WEAR NOT INCLUDED)																	
2355	MOD 8KCC	5" DEPTH OF CUT 8 HP G	1,717	1.74	0.11	0.24	0.98		3								
2360	MOD 12WCC	5" DEPTH OF CUT 12 HP G	1,908	2.44	0.13	0.27	1.46		3								
2365	MOD 14TOC	5" DEPTH OF CUT 14 HP G	1,960	2.77	0.13	0.27	1.71		3								
2370	MOD 140MR	8" DEPTH OF CUT 14 HP G	4,165	3.36	0.27	0.58	1.71		6								
2375	MOD 185MR	8" DEPTH OF CUT 18 HP G	5,288	4.27	0.34	0.73	2.19		7								
2380	MOD 250MR	8" DEPTH OF CUT 23 HP G	5,360	5.11	0.35	0.75	2.80		7								
2385	MOD 30MCA	10" DEPTH OF CUT 30 HP G	8,571	7.09	0.56	1.20	3.66		12								
2390	MOD 665MCA	15" DEPTH OF CUT 65 HP G	11,522	13.50	0.75	1.60	7.93		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)		202,346	38.36	47.12	11.17	21.17	3.10	23.97	3.92	648						
	MOD 597-C	1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES															
2405	DRAGLINE OR CLAMSHELL (LESS BUCKET)		279,787	46.53	55.05	14.35	25.41	3.80	27.78	4.81	814						
2410	CRANE 35-T W/65' BOOM		281,362	42.73	49.46	14.43	25.55	3.04	27.94	3.92	803						
	MOD 599-A	LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES															
2420	CRANE 50-T W/75' BOOM		307,611	46.38	53.64	15.77	27.93	3.04	30.55	3.92	962						
	MOD 5299-A	LIFTING CRANE T/C 114 HP D 17'-6" CRAWLERS W/32" SHOES															
2430	CRANE 60-T W/80' BOOM		324,169	48.67	56.27	16.62	29.43	3.04	32.19	3.92	1088						

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****										
	AMERICAN - CRAWLER TYPE (CONT'D)										
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES										
2440	DRAGLINE OR CLAMSHELL (LESS BUCKET)	384,413	64.38	76.23	19.72	34.91	5.59	38.18	7.09	1278	
2445	CRANE 40-T W/75' BOOM	376,383	57.67	66.82	19.30	34.18	4.48	37.38	5.78	1262	
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES										
2455	CRANE 60-T W/80' BOOM	399,737	56.57	64.16	19.45	32.62	4.48	34.92	5.78	1421	
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES										
2465	CRANE 100T W/200' BOOM	495,816	68.85	77.88	24.13	40.46	4.48	43.31	5.78	1886	
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES										
2475	CRANE 110-T W/200' BOOM	653,768	92.91	105.45	31.81	53.34	7.65	57.11	9.88	2792	
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES										
2485	CRANE 125T W/270' BOOM	694,120	98.07	111.22	33.77	56.64	7.65	60.64	9.88	3150	
2490	DRAGLINE OR CLAMSHELL (LESS BUCKET)	658,492	101.94	117.99	32.04	53.73	9.56	57.53	12.11	2950	
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES										
2500	CRANE 150T W/280' BOOM	764,344	107.05	121.24	37.19	62.37	7.65	66.77	9.88	3400	
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES										
2510	CRANE 165T W/290' BOOM	803,498	109.26	122.42	38.05	61.87	7.65	65.57	9.88	3580	
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES										
2520	CRANE 225T W/280' BOOM	861,107	116.40	130.31	40.77	66.30	7.65	70.27	9.88	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.				
			AVERAGE	SEVERE							
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****										
	BUCYRUS ERIE - CRAWLER TYPE										
	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES										
2535	DRAGLINE OR CLAMSHELL (LESS BUCKET)	213,830	41.28	50.71	11.80	22.37	3.83	25.32	4.85	647	
2540	CRANE 28-T W/50' BOOM	218,412	34.01	39.50	11.20	19.83	3.06	21.69	3.96	651	
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES										
2550	BACKHOE	276,020	63.91	81.71	16.33	32.69	5.59	38.42	7.35	792	
2555	DRAGLINE OR CLAMSHELL (LESS BUCKET)	307,015	51.82	61.36	15.75	27.88	4.80	30.49	6.07	833	
2560	CRANE 35-T W/60' BOOM	308,534	47.47	55.03	15.83	28.02	3.84	30.64	4.96	831	
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES										
2570	SHOVEL	394,082	89.97	114.96	23.31	46.67	6.92	54.84	9.09	1279	
2575	DRAGLINE OR CLAMSHELL (LESS BUCKET)	402,986	67.58	80.00	20.67	36.60	5.93	40.02	7.51	1192	
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES										
2585	SHOVEL	563,290	117.26	144.24	30.97	60.65	7.96	68.94	10.47	1762	
2590	BACKHOE	539,480	112.70	138.68	29.66	58.08	7.96	66.02	10.47	1727	
2595	DRAGLINE OR CLAMSHELL (LESS BUCKET)	555,695	84.52	97.65	27.04	45.35	6.83	48.55	8.65	1570	
2600	CRANE 51-T W/70' BOOM	543,916	76.21	86.30	26.47	44.39	5.46	47.51	7.05	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	685,795	95.57	108.16	33.37	55.96	6.47	59.90	8.36	2123	
2615	DRAGLINE OR CLAMSHELL (LESS BUCKET)	654,982	99.67	115.15	31.87	53.45	8.09	57.21	10.25	1973	
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES										
2625	SHOVEL	678,493	141.20	173.68	37.31	73.05	9.56	83.04	12.56	2096	
2630	BACKHOE	641,904	134.21	165.15	35.29	69.11	9.56	78.57	12.56	2000	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****										
	BUCYRUS ERIE - CRAWLER TYPE (CONT'D)										
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES										
2635	DRAGLINE OR CLAMSHELL (LESS BUCKET)	608,098	93.36	107.98	29.59	49.62	8.19	53.13	10.38	1820	
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES										
2645	SHOVEL	961,869	194.90	233.43	50.00	93.43	14.18	103.55	18.64	2822	
2650	DRAGLINE OR CLAMSHELL (LESS BUCKET)	791,192	119.89	137.32	37.46	60.91	12.15	64.56	15.40	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	205,944	32.13	37.31	10.56	18.70	2.93	20.45	3.79	772	
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES										
2675	CRANE 60-T W/80' BOOM	328,926	47.42	53.92	16.00	26.84	4.40	28.73	5.68	1232	
	MOD LS-338 LIFTING CRANE T/C 170 HP D 20'-0" CRAWLERS W/38" SHOES										
2685	CRANE 100-T W/200' BOOM	458,497	64.16	72.64	22.32	37.42	4.53	40.05	5.85	1512	
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W/44" SHOES										
2695	CRANE 150-T W/250' BOOM	697,189	97.11	109.89	33.93	56.89	6.53	60.91	8.43	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)	463,575	75.22	87.43	22.56	37.83	9.56	40.50	12.11	2306	
2715	CRANE 100T W/210' BOOM	500,405	73.32	83.53	24.36	40.84	7.65	43.71	9.88	2354	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	MANITOWOC - CRAWLER TYPE (CONT'D)									
	MOD 3900W VICON SER2 4 CY T/C 300 HP D 24'-0" CRAWLERS W/48" SHOES									
2725	DRAGLINE OR CLAMSHELL (LESS BUCKET)	588,481	92.87	107.67	28.63	48.02	9.99	51.41	12.65	2763
2730	CRANE 140T W/250' BOOM	596,201	85.98	97.76	29.02	48.65	7.99	52.08	10.32	2815
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
2740	DRAGLINE OR CLAMSHELL (LESS BUCKET)	783,943	122.11	141.39	38.15	63.97	11.99	68.48	15.18	3788
2745	CRANE 200T W/260' BOOM	794,423	110.54	124.27	37.62	61.17	9.59	64.82	12.39	3929
	MOD 4600 VICON SERIES 3 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
2755	CRANE 240T W/260' BOOM	1,231,720	175.58	198.10	58.32	94.84	18.25	100.51	23.57	5200
2760	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,250,491	193.97	222.69	59.21	96.28	22.81	102.04	28.89	5100
	NORTHWEST - CRAWLER TYPE									
	MOD 50-D 1.5 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES									
2775	DRAGLINE OR CLAMSHELL (LESS BUCKET)	286,288	52.47	62.48	14.68	26.00	7.93	28.43	10.04	954
2780	CRANE 45-T W/60' BOOM	283,122	46.94	54.87	14.52	25.71	6.34	28.12	8.19	947
	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
2790	SHOVEL	482,440	112.24	143.50	28.54	57.14	10.22	67.13	13.43	1500
2795	DRAGLINE OR CLAMSHELL (LESS BUCKET)	409,816	71.99	85.50	21.02	37.22	8.76	40.70	11.09	1274
2800	CRANE 40-T W/50' BOOM	405,665	64.76	75.40	20.81	36.84	7.01	40.29	9.05	1261
	MOD 9570 4.0 CY T/C 263 HP D 19'-0" CRAWLERS W/38" SHOES									
2810	DRAGLINE OR CLAMSHELL (LESS BUCKET)	480,406	76.55	88.83	23.38	39.20	8.76	41.97	11.09	1500
2815	CRANE 60-T W/50' BOOM	476,178	69.42	79.07	23.17	38.85	7.01	41.60	9.05	1565

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****										
	NORTHWEST - CRAWLER TYPE (CONT'D)										
	MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES										
2825	SHOVEL	795,580	168.86	207.98	43.74	85.65	13.91	97.37	18.28	2571	
2830	DRAGLINE OR CLAMSHELL (LESS BUCKET)	714,016	112.43	130.33	34.74	58.26	11.92	62.37	15.10	2365	
2835	CRANE 97.5-T W/170' BOOM	737,939	105.99	120.45	35.91	60.22	9.54	64.46	12.32	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)	731,471	115.74	133.16	34.64	56.32	15.18	59.69	19.23	2740	
2850	CRANE 100-T W/170' BOOM	758,696	111.82	127.53	36.92	61.91	12.15	66.28	15.69	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)	313,700	52.64	62.36	16.08	28.48	4.66	31.16	5.91	989	
2870	CRANE 60-T W/80' BOOM	320,913	45.57	51.73	15.61	26.18	3.73	28.04	4.82	1157	
	MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES										
2880	DRAGLINE OR CLAMSHELL (LESS BUCKET)	392,807	66.84	79.22	20.15	35.67	6.59	39.01	8.35	1344	
2885	CRANE 70-T W/150' BOOM	403,986	58.08	66.02	19.66	32.96	5.27	35.29	6.81	1466	
	MOD 5100 3 CY T/C 236 HP D 21'-6" CRAWLERS W/36" SHOES										
2890	DRAGLINE OR CLAMSHELL (LESS BUCKET)	474,521	74.65	86.52	23.09	38.72	7.86	41.46	9.95	1775	
2895	CRANE 100-T W/210' BOOM	491,706	70.54	80.16	23.93	40.13	6.29	42.96	8.12	1850	
	MOD 5300A LIFTING CRANE T/C 378 HP D 32'-8" CRAWLERS W/48" SHOES										
2900	CRANE 300-T W/320' BOOM	1,473,738	195.49	218.19	69.78	113.47	10.07	120.26	13.01	5588	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.				
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
CRANES, HYDRAULIC SELF-PROPELLED *****												
GROVE												
2910	MOD RT58A	14 TON	112 HP D	114,607	22.53	5.64	9.99	4.72	410			
2915	MOD RT515	15 TON	115 HP D	122,639	23.81	6.04	10.71	4.85	418			
2920	MOD RT518	18 TON	115 HP D	137,432	26.08	6.76	11.95	4.85	452			
2925	MOD RT522	22 TON	115 HP D	150,454	27.90	7.40	13.10	4.85	498			
2930	MOD RT625	25 TON	156 HP D	199,495	36.58	9.82	17.40	6.58	560			
2935	MOD RT740	40 TON	170 HP D	276,189	49.20	13.56	23.95	7.17	758			
2940	MOD RT755	55 TON	170 HP D	328,592	56.99	16.12	28.41	7.17	839			
2945	MOD RT865	65 TON	208 HP D	405,257	69.81	19.91	35.18	8.77	1100			
2950	MOD RT980	80 TON	230 HP D	522,165	88.35	25.61	45.15	9.70	1320			
2955	MOD RT1650	165 TON	512 HP D	984,626	170.00	48.37	85.48	21.60	2400			
LORAIN												
2965	MOD LRT150	15 TON	114 HP D	117,353	22.79	5.80	10.33	4.81	438			
2970	MOD LRT180	18 TON	121 HP D	125,192	24.25	6.19	11.03	5.10	450			
2975	MOD LRT330	33 TON	180 HP D	193,694	37.72	9.52	16.84	7.59	570			
P & H												
2985	MOD OMEGA 15	15 TON	125 HP D	117,960	23.47	5.83	10.38	5.27	364			
2990	MOD OMEGA 18	18 TON	125 HP D	121,232	23.93	5.99	10.68	5.27	370			
2995	MOD OMEGA 20	20 TON	125 HP D	125,433	24.51	6.21	11.06	5.27	380			
3000	MOD OMEGA 23	23 TON	125 HP D	143,101	27.20	7.05	12.52	5.27	425			
3005	MOD OMEGA 25	25 TON	155 HP D	182,342	34.50	8.99	15.94	6.54	540			
3010	MOD OMEGA 30	30 TON	155 HP D	187,655	35.22	9.25	16.41	6.54	550			
3015	MOD OMEGA 35	35 TON	155 HP D	193,919	36.09	9.56	16.97	6.54	560			
3020	MOD OMEGA 40	40 TON	202 HP D	259,559	48.67	12.74	22.47	8.52	760			
3025	MOD OMEGA 45	45 TON	202 HP D	268,504	49.91	13.18	23.27	8.52	770			
3030	MOD OMEGA 50	50 TON	202 HP D	278,324	51.25	13.67	24.14	8.52	780			
3035	MOD OMEGA 65	65 TON	235 HP D	358,036	64.79	17.56	30.97	9.91	980			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				OWT			
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.				
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
CRANES, HYD SELF-PROPELLED (CONT'D) *****												
PETTIBONE												
3045	MOD 16 MK P SERIES	8 TON	118 HP D	105,238	21.28	5.21	9.28	4.98	290			
3050	MOD 20 MK P SERIES	10 TON	118 HP D	108,166	21.75	5.35	9.52	4.98	310			
3055	MOD 25 MK P SERIES	12.5 TON	118 HP D	113,521	22.48	5.61	9.99	4.98	465			
3060	MOD 36 MK P SERIES	18 TON	118 HP D	131,088	25.17	6.46	11.45	4.98	500			
3065	MOD 100SC	50 TON	188 HP D	293,411	52.57	14.42	25.49	7.93	1050			
CRANES, HYDRAULIC TRUCK MOUNTED ***** (HP & FUEL LISTED EQUIP/CARRIER)												
BUCYRUS ERIE												
3075	30-XC	30 TON W/80' BOOM	130/210 HP D/D	209,757	34.84	40.50	10.01	17.22	7.25	18.48	9.27	552
3080	60-XC	60 TON W/104' BOOM	197/238 HP D/D	360,728	56.97	66.00	17.25	29.72	10.31	31.90	13.27	783
GROVE												
3090	TMS185	18 TON W/106' BOOM	172 HP D	199,339	36.08	43.08	10.08	18.35	7.25	20.14	9.55	442
3095	TMS300	35 TON W/112' BOOM	203 HP D	242,331	40.54	47.57	11.56	19.88	8.56	21.33	11.27	705
3100	TMS475	50 TON W/142' BOOM	213 HP D	300,703	48.09	56.11	14.37	24.73	8.98	26.54	11.82	776
3105	TM875	80 TON W/146' BOOM	196/268 HP D/D	446,069	67.22	76.99	20.63	34.26	10.52	36.38	13.50	1200
3110	TM1150	115 TON W/172' BOOM	196/315 HP D/D	683,922	95.57	108.34	31.71	52.87	10.91	56.15	13.96	1600
3115	TM1400	140 TON W/173' BOOM	318/387 HP D/D	803,499	114.59	129.79	37.01	58.13	16.66	61.08	21.44	1880
LINK BELT (FMC)												
3125	HTC-25	25 TON W/95' BOOM	216 HP D	197,457	38.44	46.21	9.98	18.15	9.11	19.91	11.99	462
3130	HTC-35	35 TON W/108' BOOM	216 HP D	232,497	39.88	46.95	11.12	19.14	9.11	20.54	11.99	628
3135	HTC-50	50 TON W/122' BOOM	244 HP D	282,692	47.48	55.74	13.51	23.27	10.29	24.98	13.54	727
PETTIBONE												
3145	50TKLSPC 25 TON W/98' BOOM	210 HP D	204,989	39.01	46.79	10.37	18.88	8.86	20.72	11.65	520	
3150	80TKLS 40 TON W/112' BOOM	244 HP D	261,037	44.94	52.92	12.47	21.45	10.29	23.02	13.54	740	
3155	110 TK P 55 TON W/114' BOOM	238 HP D	282,626	47.21	55.39	13.50	23.24	10.04	24.94	13.21	830	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CRANES, HYDRAULIC TRUCK MTD (CONT'D)														
***** (HP & FUEL LISTED EQUIP/CARRIER)														
PETTIBONE (CONT'D)														
3160	160TKLSPC80 TON W/118' BOOM	365 HP D	458,665	74.85	87.14	21.22	35.25	15.40	37.43	20.26	1395			
CRANES, TRUCK MOUNTED														
***** (HP & FUEL LISTED EQUIP/CARRIER)														
AMERICAN														
3170	5470 65 TON W/170' BOOM	115/238 HP D/D	385,137	56.04	64.20	18.37	31.55	6.85	33.86	8.71	1175			
3175	5530 75 TON W/170' BOOM	115/238 HP D/D	397,242	56.30	63.89	18.40	30.65	6.85	32.56	8.71	1245			
3180	7460 90 TON W/200' BOOM	213/230 HP D/D	487,434	71.99	82.33	22.60	37.70	10.92	40.06	14.08	1503			
3185	7530 125 TON W/220' BOOM	213/350 HP D/D	557,409	81.77	93.26	25.84	43.07	11.92	45.74	15.25	1696			
3190	8460 165 TON W/240' BOOM	268/350 HP D/D	779,142	107.98	121.80	35.94	56.58	14.24	59.47	18.30	2320			
3195	9460 220 TON W/260' BOOM	287/450 HP D/D	1,051,065	142.95	160.71	48.37	75.88	15.89	79.73	20.34	3480			
LINK BELT (FMC)														
3205	HC108C 50 TON W/150' BOOM	110/238 HP D/D	351,393	51.73	59.32	16.75	28.75	6.64	30.85	8.44	1197			
3210	HC218A 100 TON W/220' BOOM	165/318 HP D/D	535,042	76.07	86.37	24.81	41.38	9.63	43.96	12.27	1688			
3215	HC238A 140 TON W/230' BOOM	171/318 HP D/D	627,416	85.26	95.79	28.92	45.47	9.88	47.79	12.61	2220			
LORAIN														
3225	MC670A 70 TON W/170' BOOM	150/250 HP D/D	404,974	59.20	67.48	18.77	31.26	8.43	33.20	10.77	1243			
3230	MC790 90 TON W/220' BOOM	210/270 HP D/D	496,141	73.41	83.91	23.00	38.34	11.13	40.73	14.30	1594			
3235	MC1400 140 TON W/230' BOOM	220/290 HP D/D	605,060	85.02	96.03	27.88	43.82	11.72	46.05	15.05	1950			
P & H														
3245	325TC 25 TON W/110' BOOM	83/190 HP D/D	250,751	39.94	46.71	12.68	23.09	5.10	25.33	6.47	645			
3250	430ATC 35 TON W/150' BOOM	86/210 HP D/D	280,920	41.06	47.04	13.43	23.13	5.39	24.83	6.83	763			
3255	440TC 40 TON W/170' BOOM	90/228 HP D/D	315,885	45.83	52.43	15.09	25.98	5.71	27.88	7.23	964			
3260	650ATC 50 TON W/150' BOOM	135/236 HP D/D	407,037	59.72	68.52	19.42	33.37	7.68	35.81	9.81	1222			
3265	670TC 70 TON W/180' BOOM	135/255 HP D/D	447,734	63.47	72.03	20.76	34.60	7.84	36.75	9.99	1440			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CRANES, TRUCK MOUNTED (CONT'D) ***** (HP & FUEL LISTED EQUIP/CARRIER)														
P & H (CONT'D)														
3270	790BTC 90 TON W/200' BOOM 160/350 HP D/D	501,801	72.45	82.37	23.25	38.72	9.69	41.13	12.31	1606				
3275	9115 125 TON W/220' BOOM 179/350 HP D/D	610,712	86.21	97.77	28.33	47.24	10.49	50.18	13.36	1709				
3280	9150 150 TON W/270' BOOM 210/350 HP D/D	647,316	89.94	101.37	29.84	46.93	11.80	49.32	15.08	1805				
3285	6250TC 300 TON W/320' BOOM 364/450 HP D/D	1,416,816	187.52	210.15	65.38	102.98	19.13	108.24	24.61	3928				
CRANES, TOWER *****														
AMERICAN PECCO														
MODEL SK135-2 FREE STANDING 60 HP E 7500# @ 132' RADIUS (L-2)														
3295	7-S16 TOWER SECTS=103 FT HIGH	281,272	49.63		14.06	22.10	5.78			740				
OPT. 14'9-1/4" S16 TOWER SECT														
3300	ADD TO BASIC CRANE FOR EA SECT	12,489	1.61		0.63	0.99	0.00			51				
3305	TOP CLIMBING OPT. ADD TO BASIC	45,631	5.84		2.29	3.59	0.00			118				
MODEL SK200 FREE STANDING 105 HP E 10600# @ 143' RADIUS (L-2)														
3310	7-S16 TOWER SECTS=103 FT HIGH	353,126	65.31		17.65	27.74	10.11			883				
14'9-1/4" S16 TOWER SECTION														
3315	ADD TO BASIC CRANE FOR EA SECT	12,489	1.61		0.63	0.99	0.00			51				
3320	TOP CLIMBING OPT. ADD TO BASIC	45,631	5.84		2.29	3.59	0.00			118				
MODEL SK400 FREE STANDING 105 HP E 18500# @ 162' RADIUS (L-2)														
3325	6-S35 TOWER SECTS=116 FT HIGH	433,194	75.56		21.66	34.04	10.11			1216				
OPT. 19'4-1/4" S35 TOWER SECT.														
3330	ADD TO BASIC CRANE FOR EA SECT	15,991	2.05		0.80	1.26	0.00			84				
3335	TOP CLIMBING OPT. ADD TO BASIC	48,219	6.17		2.41	3.79	0.00			223				

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

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

AMERICAN PECCO (CONT'D)													
	MODEL SK560 FREE STANDING 165 HP E 24500# @ 170' RADIUS (L-2)												
3340	6-S213 TOWER SECTS=116 FT HIGH	502,766	93.12		25.14	39.51	15.89			1547			
	OPT. 19'4-1/4" S213 TOWER SECT												
3345	ADD TO BASIC CRANE FOR EA SECT	17,154	2.19		0.85	1.34	0.00			100			
3350	TOP CLIMBING OPT. ADD TO BASIC	89,972	11.51		4.50	7.07	0.00			252			
	MODEL SN355 FREE STANDING 165 HP E 12300# @ 165' RADIUS (L-2) WITH LUFFING BOOM												
3355	6-SN35 TOWER SECTS=116 FT HIGH	536,182	97.39		26.81	42.13	15.89			2152			
	OPT. 19'4-1/4" SN35 TOWER SECT												
3360	ADD TO BASIC CRANE FOR EA SECT	15,991	2.05		0.80	1.26	0.00			84			
3365	TOP CLIMBING OPT. ADD TO BASIC	93,204	11.92		4.66	7.32	0.00			159			
DRILLS, BLAST HOLE, CRAWLER MTD													

GARDNER DENVER													
3375	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	71,550	16.19		4.23	8.51	0.00			91			
3380	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	67,492	15.32		3.99	8.03	0.00			93			
3385	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	74,386	16.81		4.41	8.86	0.00			95			
3390	AT3700A/PR66 ANGLE DRILL 900CFM A 4.0" HOLE 12' FEED	91,065	20.44		5.39	10.84	0.00			146			
3395	ATD5100/PR80H ANGLE DRILL 1200CFM A 4.5" HOLE 20' FEED	101,810	22.80		6.02	12.12	0.00			200			
INGERSOLL-RAND													
3405	ECM350/VL140 3.5" HOLE 12' FEED 750CFM A	79,990	18.01		4.73	9.52	0.00			129			
3410	ECM350/VL671 4.0" HOLE 12' FEED 900CFM A	87,062	19.58		5.15	10.36	0.00			131			
3415	ECM 450Y 3.0" HOLE 12' FEED 100 HP D	121,575	32.62		7.19	14.47	5.22			188			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	ADJUSTABLE ELEMENTS								
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
DRILLS, BLAST HOLE, CRLR MTD (CONT'D) *****														
JOY-SULLIVAN														
3425	MAVRICK/VCR350 2.5" HOLE 12' FEED 450CFM A	39,934	9.10		2.36	4.75	0.00			60				
3430	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	70,516	15.98		4.17	8.39	0.00			100				
3435	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	83,380	18.75		4.94	9.93	0.00			144				
3440	MUSTANG VCR280 5.0" HOLE 20' FEED1200CFM A	103,156	23.10		6.10	12.28	0.00			184				
3445	STALLION JH-6 5.5" HOLE 20' FEED 165 HP D	219,746	57.96		13.00	26.16	8.61			300				
DRILLS, CORE, AIR, COLUMN MOUNTED *****														
3455	LONGYEAR 24 WOLVERINE AX 700' 450CFM A	17,925	4.16		1.06	2.13	0.00			12				
3460	LONGYEAR 65D EX 600' 400CFM A	11,437	2.77		0.68	1.36	0.00			3				
3465	65D ROD PULLER 21" STROKE 400CFM A	1,711	0.62		0.11	0.21	0.00			1				
DRILLS, CORE, SKID MOUNTED *****														
ACKER														
3475	TEREDO MARK-II NX 1000' MAX 44 HP D	30,533	9.42		1.81	3.64	2.30			40				
3480	ACE MODEL C NX 725' MAX 20 HP D	21,038	5.81		1.24	2.50	1.04			45				
LONGYEAR														
3490	MOD 24 STD AX 675' MAX 12 HP G	17,163	5.20		1.01	2.04	1.30			17				
3495	MOD 34 NX 1000' MAX 31 HP G	26,301	9.56		1.56	3.13	3.36			38				
3500	MOD 34 NX 1000' MAX 40 HP D	31,248	9.31		1.85	3.72	2.09			39				
3505	MOD 38 NX 1800' MAX 54 HP D	35,889	11.23		2.13	4.28	2.82			41				
3510	MOD 44 NX 2500' MAX 60 HP D	43,172	13.17		2.55	5.14	3.13			56				
SPRAGUE AND HENWOOD														
3520	MOD 37-H NX 400' MAX 18 HP G	18,099	6.16		1.07	2.16	1.95			18				
3525	MOD 40-CL NX 1050' MAX 49 HP D	28,013	9.20		1.66	3.34	2.56			27				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
DRILLS, ROTARY *****														
INGERSOLL-RAND														
3535	MOD DM-25 6 3/4" DRILLMASTER CRWL. MOUNTED	210 HP D	251,502	54.15		12.88	22.92	10.96		500				
3540	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	329,774	74.07		16.83	29.82	15.86		550				
3545	MOD TH-60 WATER WELL DRILL TRK. MOUNTED	435 HP D	305,656	79.42		15.61	27.69	22.69		460				
JOY-ROBBINS														
3555	RRT 35 TK MTD 6-1/4" TO 7-7/8"	225 HP D	300,231	63.78		15.32	27.13	11.74		600				
3560	RRT 50 TK MTD 6-3/4" TO 9-0"	335 HP D	457,373	96.43		23.34	41.35	17.48		860				
3565	RRT 60 TK MTD 6-3/4" TO 9-7/8"	350 HP D	487,005	102.12		24.86	44.06	18.26		960				
3570	RR10S MTD ON D9H 6-3/4" - 9-0"	410 HP D	352,826	84.28		18.07	32.15	21.39		1160				
3575	RR10HD ON D9H 6-3/4" - 10-5/8"	410 HP D	390,553	90.13		20.00	35.59	21.39		1340				
3580	RR10XHD ON 41B 9-7/8" - 12-1/4"	524 HP D	588,111	109.74		27.78	45.39	27.34		1830				
3585	RR12E CRLR MTD 9-0" TO 12-1"	725/450 HP E/E	1,079,367	190.68		50.98	83.30	54.30		2605				
PORK LIFTS *****														
CATERPILLAR														
LC = LOAD CENTER														
3605	M20 ELECT 2000# @ 24" LC	18 HP E	16,918	5.83		1.00	1.98	1.73		54				
3610	M25 ELECT 2500# @ 24" LC	18 HP E	17,005	5.86		1.00	1.99	1.73		54				
3615	MC30 ELECT 3000# @ 24" LC	18 HP E	18,256	6.10		1.07	2.13	1.73		85				
3620	M40B ELECT 4000# @ 24" LC	32 HP E	24,909	9.36		1.46	2.91	3.08		95				
3625	M50B ELECT 5000# @ 24" LC	32 HP E	25,488	9.48		1.50	2.98	3.08		102				
3630	MC60B ELECT 6000# @ 24" LC	47 HP E	28,211	12.11		1.66	3.30	4.53		123				
3635	M70B ELECT 7000# @ 24" LC	53 HP E	34,699	14.22		2.03	4.04	5.10		134				
3640	M80B ELECT 8000# @ 24" LC	53 HP E	36,328	14.54		2.14	4.25	5.10		142				
3645	M100B ELECT 10000# @ 24" LC	53 HP E	38,490	14.94		2.26	4.52	5.10		160				
3650	V30D GAS 3000# @ 24" LC	37 HP G	16,037	7.20		0.95	1.89	3.27		37				

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

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

CATERPILLAR (CONT'D)														
3655	V40C GAS 4000# @ 24" LC	48 HP G	21,225	9.45	1.24	2.46	4.25			41				
3660	V50C GAS 5000# @ 24" LC	48 HP G	21,719	9.57	1.26	2.48	4.25			45				
3665	V60E GAS 6000# @ 24" LC	63 HP G	29,889	12.79	1.76	3.48	5.57			52				
3670	V70E GAS 7000# @ 24" LC	63 HP G	30,274	12.86	1.77	3.52	5.57			56				
3675	V80E GAS 8000# @ 24" LC	63 HP G	31,494	13.10	1.85	3.67	5.57			59				
3680	V110 GAS 11000# @ 24" LC	66 HP G	45,276	16.15	2.66	5.28	5.84			82				
3685	V150 DIESEL 15000# @ 24" LC	70 HP D	48,807	13.27	2.87	5.70	2.95			92				
3690	V180B DIESEL 18000# @ 24" LC	125 HP D	64,540	19.30	3.77	7.44	5.27			114				
3695	V200B DIESEL 20000# @ 24" LC	125 HP D	70,306	20.42	4.11	8.12	5.27			124				
3700	V250B DIESEL 25000# @ 24" LC	125 HP D	72,584	20.86	4.25	8.42	5.27			154				
3705	V300B DIESEL 30000# @ 24" LC	125 HP D	81,352	22.63	4.74	9.37	5.27			165				
3710	R40 DIESEL 4000# @ 24" LC	68 HP D	29,096	9.31	1.69	3.35	2.87			107				
3715	R50 DIESEL 5000# @ 24" LC	68 HP D	29,840	9.45	1.74	3.44	2.87			112				
3720	R60 DIESEL 6000# @ 24" LC	68 HP D	35,983	10.66	2.11	4.17	2.87			128				
3725	R80 DIESEL 8000# @ 24" LC	68 HP D	37,441	10.96	2.18	4.32	2.87			138				
HYSTER - CHALLENGER														
3735	H30XL 3000# @ 24" LC	63 HP G	16,822	10.24	0.98	1.93	5.57			58				
3740	H60XL 6000# @ 24" LC	80 HP G	24,369	13.60	1.43	2.83	7.08			91				
3745	H110F 11000# @ 24" LC	116 HP G	47,740	22.09	2.81	5.58	10.26			163				
3750	H150H 15000# @ 24" LC	127 HP G	65,383	26.85	3.81	7.53	11.23			234				
3755	H200HS20000# @ 24" LC	PS 127 HP G	75,873	28.90	4.43	8.77	11.23			256				
3760	H250H 25000# @ 24" LC	PS 127 HP G	76,694	29.10	4.48	8.84	11.23			295				
3765	H300B 30000# @ 24" LC	PS 127 HP G	82,583	30.21	4.83	9.58	11.23			360				
3770	H460CS46000# @ 36" LC	PS 190 HP G	167,479	53.88	9.80	19.41	16.80			590				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
GENERATOR SETS, ELECTRIC *****														
CATERPILLAR T = TURBOCHARGED TA = TURBOCHARGED AFTER COOLED														
SKID MOUNTED														
3785	MOD 3304B-T	240/480V 100 KW	148 HP D	17,235	11.66	14.86	1.13	2.49	6.24	2.77	8.21	37		
3790	MOD 3306B-T	240/480V 125 KW	187 HP D	22,552	14.92	18.99	1.48	3.26	7.89	3.62	10.38	46		
3795	MOD 3306B-TA	240/480V 150 KW	220 HP D	24,294	17.04	21.73	1.59	3.51	9.28	3.90	12.21	48		
3800	MOD 3406B-T	240/480V 200 KW	290 HP D	26,168	21.13	27.04	1.71	3.78	12.23	4.19	16.09	57		
3805	MOD 3406B-TA	240/480V 250 KW	370 HP D	29,844	26.15	33.55	1.96	4.31	15.61	4.78	20.53	59		
3810	MOD 3408B-T	240/480V 255 KW	370 HP D	35,550	27.46	35.10	2.33	5.14	15.61	5.70	20.53	77		
3815	MOD 3408B-TA	240/480V 310 KW	450 HP D	39,573	32.55	41.70	2.59	5.72	18.98	6.35	24.97	81		
3820	MOD 3412B-T	240/480V 355 KW	500 HP D	47,734	37.02	47.35	3.13	6.90	21.09	7.65	27.75	91		
3825	MOD 3412B-TA	240/480V 455 KW	650 HP D	64,465	48.67	62.21	4.22	9.31	27.42	10.33	36.07	102		
3830	MOD 3508	240/480V 600 KW	845 HP D	85,992	63.76	81.49	5.63	12.42	35.64	13.79	46.90	140		
3835	MOD 3512	240/480V 900 KW	1250 HP D	117,156	92.05	117.80	7.67	16.93	52.72	18.78	69.37	202		
3840	MOD 3516	480V 1100 KW	1450 HP D	153,515	110.80	141.42	10.06	22.19	61.16	24.61	80.47	256		
KOHLER														
3850	2.25MMB25	PORTABLE 2.25 KW	5 HP G	692	0.71	0.91	0.05	0.10	0.44	0.11	0.58	1		
3855	3.5MM65	PORTABLE 3.50 KW	8 HP G	1,099	1.13	1.43	0.07	0.16	0.71	0.17	0.92	2		
3860	5MM65	PORTABLE 5.00 KW	12 HP G	1,415	1.64	2.10	0.10	0.21	1.06	0.23	1.38	2		
ONAN														
SKID MOUNTED														
3875		120/240V 2.5 KW	6 HP G	1,466	0.99	1.26	0.10	0.21	0.53	0.24	0.69	2		
3880		120/240V 6.5 KW	14 HP G	3,276	2.29	2.88	0.22	0.48	1.24	0.52	1.61	3		
3885		120/240V 10.0 KW	20 HP G	3,593	3.01	3.82	0.24	0.52	1.77	0.57	2.30	4		
3890		120/240V 3.0 KW	6 HP D	3,800	1.18	1.44	0.25	0.55	0.25	0.61	0.33	4		
3895		120/240V 6.0 KW	12 HP D	5,039	1.78	2.20	0.33	0.73	0.51	0.81	0.67	5		
3900		120/240V 12.0 KW	22 HP D	7,250	2.79	3.47	0.47	1.04	0.93	1.16	1.22	7		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
GENERATOR SETS, ELECTRIC (CONT'D) *****														
ONAN (CONT'D)														
3905	120/240V 15 KW	27 HP D	7,551	3.14	3.91	0.50	1.10	1.14	1.21	1.50				
3910	120/240V 30 KW	63 HP D	11,170	5.85	7.38	0.74	1.62	2.66	1.80	3.50				
3915	120/240V 45 KW	87 HP D	14,767	7.92	10.00	0.97	2.14	3.67	2.37	4.83				
3920	120/240V 60 KW	102 HP D	16,925	9.18	11.61	1.11	2.44	4.30	2.71	5.66				
3925	120/240V 75 KW	162 HP D	20,123	13.05	16.60	1.32	2.91	6.83	3.22	8.99				
3930	120/240V 90 KW	162 HP D	21,059	13.26	16.87	1.38	3.04	6.83	3.38	8.99				
3935	120/240V 125 KW	210 HP D	24,637	16.60	21.13	1.61	3.56	8.86	3.95	11.65				
3940	120/240V 150 KW	276 HP D	29,296	21.11	26.95	1.92	4.24	11.64	4.70	15.32				
OVERLOWE														
3950	KP2250R PORTABLE	2.25 KW	5 HP G	906	0.77	0.97	0.07	0.14	0.44	0.15				
3955	KP3000BC PORTABLE	3.00 KW	7 HP G	1,004	1.00	1.27	0.07	0.15	0.62	0.16				
3960	KP3750BIC PORTABLE	3.75 KW	8 HP G	1,396	1.20	1.52	0.09	0.20	0.71	0.23				
3965	KP5000BIC PORTABLE	5.00 KW	10 HP G	1,756	1.50	1.90	0.12	0.26	0.88	0.28				
3970	KP6500BICB PORTABLE	6.50 KW	16 HP G	1,858	2.18	2.78	0.12	0.27	1.42	0.29				
3975	KP7500BICB PORTABLE	7.50 KW	16 HP G	1,761	2.17	2.76	0.12	0.26	1.42	0.28				
GRADERS, MOTOR *****														
CATERPILLAR														
3990	MOD 120-G POWER SHIFT ARTIC	125 HP D	104,480	23.15	28.95	5.75	10.45	4.86	11.77	6.38				
3995	MOD 130-G POWER SHIFT ARTIC	135 HP D	118,651	25.88	32.34	6.54	11.89	5.24	13.39	6.89				
4000	MOD 12-G POWER SHIFT ARTIC	135 HP D	127,426	27.27	34.07	7.02	12.76	5.24	14.38	6.89				
4005	MOD 140-G POWER SHIFT ARTIC	150 HP D	129,663	28.44	35.57	7.13	12.96	5.83	14.60	7.66				
4010	MOD 14-G POWER SHIFT ARTIC	180 HP D	181,194	38.46	48.04	9.93	17.95	6.99	20.20	9.19				
4015	MOD 16-G POWER SHIFT ARTIC	250 HP D	259,030	54.68	68.29	14.18	25.60	9.71	28.80	12.76				
										581				

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

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

CHAMPION																			
4025	MOD 710A	ARTICULATED	125 HP D	102,196	22.80	28.53	5.62	10.20	4.86	11.48	6.38	296							
4030	MOD 715A	ARTICULATED	144 HP D	114,757	25.79	32.29	6.32	11.47	5.59	12.90	7.35	306							
4035	MOD 720A	ARTICULATED	148 HP D	121,899	27.16	34.00	6.70	12.16	5.75	13.68	7.56	340							
4040	MOD 740A	ARTICULATED	181 HP D	132,387	30.48	38.20	7.29	13.25	7.03	14.92	9.24	355							
4045	MOD 710	NON-ARTICULATED	125 HP D	96,130	21.86	27.37	5.29	9.59	4.86	10.79	6.38	280							
4050	MOD 715	NON-ARTICULATED	144 HP D	106,050	24.42	30.62	5.83	10.58	5.59	11.91	7.35	285							
4055	MOD 720	NON-ARTICULATED	148 HP D	111,346	25.51	31.99	6.12	11.09	5.75	12.48	7.56	315							
4060	MOD 740	NON-ARTICULATED	181 HP D	121,353	28.79	36.15	6.67	12.10	7.03	13.62	9.24	330							
4065	MOD 760	NON-ARTICULATED	230 HP D	152,491	36.58	45.95	8.34	15.04	8.94	16.91	11.74	390							
FLAT-ALLIS																			
4075	MOD-65B	DIRECT DRIVE	68 HP D	56,169	12.43	15.55	3.10	5.65	2.64	6.36	3.47	135							
4080	MOD-PG75	POWER SHIFT	130 HP D	82,439	19.96	25.09	4.52	8.19	5.05	9.22	6.64	300							
4085	MOD-PG85	POWER SHIFT	145 HP D	90,530	22.05	27.72	4.97	8.99	5.63	10.12	7.40	310							
4090	MOD-PG95	POWER SHIFT	160 HP D	95,070	23.68	29.82	5.20	9.36	6.22	10.52	8.17	330							
GALION																			
4100	MOD 503-L	CONSTANT MESH	68 HP G	47,801	14.25	17.93	2.63	4.80	5.56	5.40	7.20	115							
4105	MOD T-500C	POWER SHIFT	145 HP D	103,389	24.02	30.10	5.69	10.34	5.63	11.64	7.40	281							
4110	MOD A-600	POWER SHIFT	186 HP D	127,142	29.93	37.56	7.00	12.71	7.23	14.31	9.50	321							
HOISTS																			

BEEBE - AIR TUGGERS																			
4120	2000P110-24	1.0 T 225 CFM RQD		6,004	1.35		0.36	0.72	0.00		5								
4125	5000P120-24	2.5 T 500 CFM RQD		9,747	2.20		0.57	1.15	0.00		16								
4130	10000P 50-24	5.0 T 500 CFM RQD		11,836	2.75		0.71	1.41	0.00		22								
4135	20000P 50-40	10.0 T 850 CFM RQD		30,617	6.72		1.81	3.63	0.00		55								

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

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

SKAGIT														
4145	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	71,349	19.97		4.22	8.46	4.22		85				
4150	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	96,622	25.19		5.72	11.46	4.22		126				
4155	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	149,126	37.61		8.83	17.69	5.48		240				
4160	RB-90 DOUBLE DRUM W/1-3/8" CABLE	150 HP D	165,788	42.10		9.81	19.66	6.33		300				
HYDRAULIC EXCAVATOR, CRAWLER MOUNTED														

T/B = TELESCOPING BOOM														
B/H = BACKHOE														
AMERICAN														
4175	MOD 185	1.00 CY B/H	103 HP D	116,237	32.37	43.76	7.51	15.56	4.00	19.30	5.26	410		
4180	MOD 25A	1.38 CY B/H	185 HP D	193,267	48.68	62.38	11.43	22.89	7.19	26.90	9.45	660		
4185	MOD 480	2.00 CY B/H	300 HP D	286,512	73.35	94.03	16.94	33.93	11.65	39.87	15.32	975		
4190	MOD 680	4.00 CY B/H	456 HP D	457,747	109.01	135.23	25.17	49.28	17.72	56.02	23.28	1647		
BADGER (HOPTO)														
4200	MOD 211	1.25 CY B/H	160 HP D	165,564	41.77	53.52	9.79	19.61	6.22	23.04	8.17	530		
4205	MOD 311	1.88 CY B/H	235 HP D	236,322	59.94	76.79	13.98	27.99	9.13	32.88	12.00	745		
4210	MOD 900B	2.00 CY B/H	308 HP D	286,460	69.29	86.05	15.75	30.84	11.97	35.06	15.73	1015		
4215	MOD 1900	5.00 CY B/H	616 HP D	597,020	143.17	177.71	32.83	64.28	23.93	73.07	31.45	2050		
BUCYRUS ERIE														
4225	MOD 300-H	1.00 CY B/H	176 HP D	184,017	51.94	70.20	11.90	24.63	6.84	30.56	8.99	546		
4230	MOD 325-H	1.75 CY B/H	205 HP D	253,187	62.02	79.41	14.98	29.99	7.96	35.23	10.47	774		
4235	MOD 350-H	2.50 CY B/H	248 HP D	319,266	77.72	99.49	18.88	37.81	9.63	44.43	12.66	1000		
4240	MOD 400-H	4.25 CY B/H	392 HP D	533,580	120.45	148.96	29.34	57.45	15.23	65.31	20.02	1575		
CASE														
4250	MOD 880C "E" BOOM .63 CY	B/H	125 HP D	107,639	31.57	42.61	6.95	14.40	4.86	17.87	6.38	310		
4255	MOD 980B	1.00 CY B/H	165 HP D	134,262	39.86	53.79	8.68	17.97	6.41	22.30	8.42	445		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
HYDRAULIC EXCAVATOR, CRLR MTD (CONT'D)														
***** T/B = TELESCOPING BOOM B/H = BACKHOE														
CASE (CONT'D)														
4260	MOD 1280	1.25 CY B/H 200 HP D	156,856	41.83	53.67	9.28	18.58	7.77	21.83	10.21	505			
CATERPILLAR														
4270	MOD 215	.75 CY B/H 90 HP D	130,044	34.87	47.20	8.41	17.41	3.50	21.60	4.60	387			
4275	MOD 225	1.00 CY B/H 135 HP D	161,025	44.42	60.08	10.41	21.55	5.24	26.74	6.89	504			
4280	MOD 235	1.50 CY B/H 195 HP D	288,716	68.93	88.19	17.08	34.19	7.58	40.18	9.96	891			
4285	MOD 245	2.50 CY B/H 325 HP D	449,741	108.36	138.65	26.60	53.26	12.63	62.58	16.59	1385			
GRADALL														
4300	MOD G-660	.63 CY T/B 115 HP D	162,090	43.61	59.01	10.48	21.70	4.47	26.92	5.87	450			
4305	MOD G-880B	.75 CY T/B 160 HP D	199,299	54.61	73.87	12.88	26.67	6.22	33.10	8.17	533			
4310	MOD G-1000	1.25 CY T/B 272 HP D	272,929	69.25	88.73	16.15	32.33	10.57	37.98	13.89	787			
INSLEY														
4325	MOD H1000C	1.25 CY B/H 180 HP D	153,676	40.24	51.61	9.09	18.20	6.99	21.39	9.19	517			
4330	MOD H2500C	2.25 CY B/H 290 HP D	275,727	70.67	90.57	16.31	32.66	11.27	38.37	14.81	931			
4335	MOD H3500C	3.50 CY B/H 390 HP D	387,205	92.41	114.66	21.29	41.69	15.15	47.39	19.91	1276			
JOHN DEERE														
4345	MOD 690 B	.875 CY B/H 131 HP D	120,192	34.78	46.99	7.77	16.09	5.09	19.97	6.69	430			
4350	MOD 890 A	.50 CY B/H 210 HP D	247,926	61.17	78.32	14.66	29.36	8.16	34.50	10.72	880			
4355	MOD 990	1.875 CY B/H 260 HP D	279,375	70.02	89.71	16.52	33.09	10.10	38.88	13.28	910			
KOEHRING														
4365	MOD 166 BANTAM	.88 CY B/H 108 HP D	120,913	33.72	45.60	7.82	16.19	4.20	20.09	5.51	374			
4370	MOD 266 BANTAM	1.13 CY B/H 143 HP D	160,542	44.74	60.49	10.37	21.48	5.56	26.66	7.30	514			
4375	MOD 366 BANTAM	1.25 CY B/H 210 HP D	192,344	49.66	63.65	11.38	22.79	8.16	26.77	10.72	612			
4380	MOD 566	1.50 CY B/H 240 HP D	279,296	69.06	88.45	16.52	33.08	9.32	38.87	12.25	834			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.				
HYDRAULIC EXCAVATOR, CRLR MTD (CONT'D)													
***** T/B = TELESCOPING BOOM B/H = BACKHOE													
KOEHRING (CONT'D)													
4385	MOD 666E	2.00 CY	B/H	307 HP D	348,128	86.47	110.73	20.59	41.23	11.93	48.44	15.68	1075
4390	MOD 866E	3.25 CY	B/H	332 HP D	446,712	101.03	124.94	24.57	48.10	12.90	54.67	16.95	1306
4395	MOD 1066E	4.00 CY	B/H	420 HP D	555,342	125.93	155.79	30.53	59.79	16.32	67.97	21.45	1640
4400	MOD 1166E	5.00 CY	B/H	464 HP D	619,287	140.23	173.43	34.05	66.67	18.03	75.79	23.69	1890
4405	MOD 1266	5.50 CY	B/H	664 HP D	899,617	197.83	238.75	46.76	87.38	25.80	96.85	33.90	2600
4410	MOD 1466	9.00 CY	B/H	832 HP D	1,048,841	233.45	282.03	54.53	101.89	32.32	112.92	42.48	2900
UNIT													
4425	MOD H202CT SER II	1.25 CY	B/H	152 HP D	151,037	43.04	58.14	9.77	20.22	5.91	25.08	7.76	475
4430	MOD H342	1.63 CY	B/H	228 HP D	243,124	61.02	78.17	14.39	28.80	8.86	33.84	11.64	723
4435	MOD H471	1.75 CY	B/H	304 HP D	302,027	76.77	98.37	17.87	35.78	11.81	42.03	15.52	972
HYDRAULIC EXCAVATOR, TRUCK MOUNTED													
***** (HP & FUEL LISTED EQUIP/CARRIER) T/B = TELESCOPING BOOM B/H = BACKHOE													
GRADALL													
4445	MOD G-660	.63 CY	T/B	123/235 HP D/G	168,422	33.65	40.51	8.51	15.48	8.34	16.98	10.92	422
4450	MOD G-880	.75 CY	T/B	160/210 HP D/D	218,812	40.39	47.96	11.07	20.15	8.51	22.10	10.94	530
4455	MOD G-1000	1.25 CY	T/B	272/312 HP D/D	298,289	54.23	63.80	14.25	24.53	14.09	26.34	18.15	724
LAND CLEARING EQUIPMENT													
***** (ADD TO TRACTOR)													
4465	FLECO LAND CLEARING RAKE FOR	123/235	D/G		19,604	4.14	5.23	1.16	2.33	0.00	2.74	0.00	67
4470	FLECO LAND CLEARING RAKE FOR	160/210	D/D		25,926	5.45	6.90	1.54	3.08	0.00	3.62	0.00	98
4475	FLECO LAND CLEARING RAKE FOR	272/312	D/D		38,337	8.04	10.18	2.26	4.55	0.00	5.35	0.00	138
4480	FLECO CLAMP RAKE FOR CAT 973 (ADD TO 977 LOADER)				19,498	4.25	5.33	1.16	2.32	0.00	2.72	0.00	58

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	FUEL	SEVERE OWNER-SHIP		
			AVERAGE	SEVERE						
	LIGHTING SETS, TRAILER MOUNTED *****									
	ALLMAND METALLIC VAPCR									
4490	MAXI-LITE III 4/1000W	15 HP D	14,008	5.77		0.90	1.84	0.83	29	
	OVER-LOWE METALLIC VAPCR									
4500	TM 352 2/1000W	3 KW	6 HP D	11,002	4.13		0.71	1.44	0.33	
4505	TM 354 4/1000W	6 KW	12 HP D	14,532	5.74		0.93	1.91	0.67	
4510	TM 356 6/1000W	8 KW	15 HP D	17,073	6.81		1.10	2.25	0.83	
	LOADERS, BELT *****									
	KOLMAN									
4520	101XHD 24"X50' 355 T/HR	28 HP D	31,144	8.76	11.47	1.80	3.41	1.18	3.98	
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4530	PLATE FEEDER DOZER TRAP MODEL 45		5,943	1.27	1.62	0.35	0.68	0.00	0.80	
4535	BELT FEEDER DOZER TRAP MODEL 65		7,155	1.53	1.94	0.42	0.82	0.00	0.96	
4540	WING WALLS STATIONARY		1,381	0.30	0.38	0.09	0.16	0.00	0.19	
4545	TUNNEL EXTENSION W/WING WALLS		7,074	1.51	1.91	0.42	0.81	0.00	0.94	
4550	SINGLE DECK SCREEN SB-70 7'X42		5,524	1.18	1.50	0.32	0.63	0.00	0.74	
4555	DOUBLE DECK SCREEN DC-70-42 7'X42		6,808	1.45	1.85	0.41	0.78	0.00	0.91	
4560	TRIPLE DECK SCREEN TC-70-42 7'X42		9,789	2.09	2.67	0.58	1.12	0.00	1.32	
4565	XHD CONVEYOR JACKLEG		991	0.21	0.27	0.06	0.11	0.00	0.13	
4570	101XHD 30"X50' 615 T/HR	42 HP D	33,872	10.26	13.46	1.96	3.71	1.77	4.32	
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4580	PLATE FEEDER DOZER TRAP MODEL 45		7,009	1.49	1.90	0.41	0.80	0.00	0.94	
4585	BELT FEEDER DOZER TRAP MODEL 65		7,614	1.62	2.07	0.45	0.87	0.00	1.02	
4590	WING WALLS STATIONARY		1,381	0.30	0.38	0.09	0.16	0.00	0.19	
4595	TUNNEL EXTENSION W/WING WALLS		7,074	1.51	1.91	0.42	0.81	0.00	0.94	
4600	SINGLE DECK SCREEN SB-80 8'X48		6,324	1.36	1.72	0.38	0.73	0.00	0.85	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
LOADERS, BELT (CONT'D) *****																			
KOLMAN (CONT'D)																			
4605	DOUBLE DECK SCREEN DC-80-48 8'X48	8,838	1.88	2.40	0.52	1.01	0.00	1.19	0.00	35									
4610	TRIPLE DECK SCREEN TC-80-48 8'X48	11,041	2.36	3.00	0.66	1.27	0.00	1.48	0.00	43									
4615	XHD CONVEYOR JACKLEG	991	0.21	0.27	0.06	0.11	0.00	0.13	0.00	9									
4620	101XHD 36"X50' 910 T/HR	56 HP D	39,033	12.35	16.26	2.25	4.24	2.36	4.93	3.11	160								
OPTIONAL EQUIPMENT SELECT AS NEEDED																			
4630	PLATE FEEDER DOZER TRAP MODEL 45	7,429	1.59	2.02	0.44	0.85	0.00	1.00	0.00	45									
4635	BELT FEEDER DOZER TRAP MODEL 65	8,135	1.74	2.21	0.48	0.93	0.00	1.09	0.00	42									
4640	WING WALLS STATIONARY	1,381	0.30	0.38	0.09	0.16	0.00	0.19	0.00	9									
4645	TUNNEL EXTENSION W/WING WALLS	7,074	1.51	1.91	0.42	0.81	0.00	0.94	0.00	61									
4650	SINGLE DECK SCREEN SB-90 9'X54	7,357	1.57	2.00	0.44	0.84	0.00	0.99	0.00	28									
4655	DOUBLE DECK SCREEN DC-90-54 9'X54	10,588	2.26	2.88	0.63	1.21	0.00	1.42	0.00	43									
4660	TRIPLE DECK SCREEN TC-90-54 9'X54	13,568	2.89	3.69	0.80	1.55	0.00	1.82	0.00	54									
4665	XHD CONVEYOR JACKLEG	991	0.21	0.27	0.06	0.11	0.00	0.13	0.00	9									
4670	101XHD 42"X50' 1260 T/HR	84 HP D	49,937	16.59	21.90	2.87	5.40	3.54	6.28	4.66	180								
OPTIONAL EQUIPMENT SELECT AS NEEDED																			
4680	PLATE FEEDER DOZER TRAP MODEL 45	8,605	1.84	2.34	0.51	0.99	0.00	1.16	0.00	48									
4685	BELT FEEDER DOZER TRAP MODEL 65	10,922	2.33	2.96	0.64	1.25	0.00	1.46	0.00	45									
4690	WING WALLS STATIONARY	1,381	0.30	0.38	0.09	0.16	0.00	0.19	0.00	9									
4695	TUNNEL EXTENSION W/WING WALLS	7,074	1.51	1.91	0.42	0.81	0.00	0.94	0.00	61									
4700	SINGLE DECK SCREEN SB-100 60"X10'	9,517	2.03	2.59	0.57	1.09	0.00	1.28	0.00	37									
4705	DOUBLE DECK SCREEN DC-100 60"X10'	12,327	2.63	3.34	0.73	1.41	0.00	1.65	0.00	55									
4710	TRIPLE DECK SCREEN TC-100 60"X10'	18,737	4.00	5.09	1.11	2.15	0.00	2.51	0.00	68									
4715	XHD CONVEYOR JACKLEG	991	0.21	0.27	0.06	0.11	0.00	0.13	0.00	9									
4720	101XHD 48"X50' 1700 T/HR	128 HP D	86,700	27.02	35.33	5.03	9.54	5.40	11.12	7.10	265								
OPTIONAL EQUIPMENT SELECT AS NEEDED																			
4730	PLATE FEEDER DOZER TRAP MODEL 45	12,161	2.59	3.30	0.72	1.39	0.00	1.63	0.00	51									
4735	WING WALLS STATIONARY	1,381	0.30	0.38	0.09	0.16	0.00	0.19	0.00	9									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION AVERAGE	SEVERE	STAND-BY	AVERAGE OWNER-SHIP	FUEL	SEVERE OWNER-SHIP	FUEL				
LOADERS, BELT (CONT'D) *****													
KOLMAN (CONT'D)													
4740	TUNNEL EXTENSION W/WING WALLS	7,519	1.61	2.04	0.45	0.87	0.00	1.01	0.00	66			
4745	SINGLE DECK SCREEN SB-120 60"X12"	11,403	2.43	3.10	0.67	1.30	0.00	1.53	0.00	53			
4750	DOUBLE DECK SCREEN DC-120 60"X12"	16,727	3.58	4.54	0.99	1.92	0.00	2.24	0.00	77			
4755	TRIPLE DECK SCREEN TC-120 60"X12"	23,088	4.94	6.27	1.37	2.65	0.00	3.10	0.00	80			
4760	XHD CONVEYOR JACKLEG	991	0.21	0.27	0.06	0.11	0.00	0.13	0.00	9			
4765	303 48"X50' 2000 CY/HR	125 HP D	151,535	43.15	56.92	8.72	16.43	5.27	19.15	6.94			
4770	303 48"X60' 2000 CY/HR	185 HP D	168,092	50.01	65.83	9.71	18.33	7.80	21.35	10.27			
4775	303 60"X50' 3600 CY/HR	185 HP D	173,640	52.89	70.27	9.95	18.65	7.80	21.71	10.27			
4780	303 60"X60' 3600 CY/HR	290 HP D	198,911	65.08	86.51	11.40	21.35	12.23	24.84	16.09			
4785	404 48"X50' 2000 CY/HR	185 HP D	185,393	53.62	70.38	10.73	20.32	7.80	23.69	10.27			
4790	404 48"X60' 2000 CY/HR	185 HP D	195,881	55.93	73.37	11.34	21.50	7.80	25.07	10.27			
4795	404 60"X50' 3600 CY/HR	290 HP D	221,493	68.78	90.71	12.78	24.13	12.23	28.12	16.09			
4800	404 60"X60' 3600 CY/HR	290 HP D	244,403	74.80	98.86	14.09	26.57	12.23	30.94	16.09			
OPTIONAL EQUIPMENT SELECT AS NEEDED													
4810	SINGLE DECK SCREEN SB-120 72"X12"		14,657	3.14	3.98	0.87	1.69	0.00	1.97	0.00			
4815	DOUBLE DECK SCREEN DC-120 72"X12"		19,435	4.15	5.28	1.15	2.23	0.00	2.61	0.00			
4820	TRIPLE DECK SCREEN TC-120 72"X12"		22,108	4.73	6.01	1.31	2.54	0.00	2.97	0.00			
4825	SINGLE DECK VIBRATING GRIZZLE 72"W		22,165	4.73	6.02	1.31	2.54	0.00	2.97	0.00			
LOADERS, FRONT END, CRAWLER TYPE *****													
CASE													
4835	350 B 3/4 CY	39 HP D	41,312	12.93	16.26	2.44	4.91	1.77	5.77	2.34			
4840	450 B 1 CY	53 HP D	51,767	16.47	20.71	3.06	6.15	2.41	7.23	3.18			
4845	850C 1-1/2 CY	78 HP D	70,047	22.69	28.55	4.15	8.33	3.55	9.79	4.68			
4850	1150 C 1-3/4 CY	105 HP D	94,265	30.54	38.41	5.58	11.20	4.78	13.17	6.29			
4855	1450 B 2-1/4 CY	140 HP D	111,000	36.99	46.59	6.57	13.20	6.37	15.51	8.39			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
LOADERS, F.E., CRAWLER TYPE (CONT'D) *****													
CATERPILLAR													
4865	931B	1 CY	65 HP D	47,199	16.07	20.27	2.79	5.61	2.96	6.60	3.90	171	
4870	943	1-1/2 CY	80 HP D	82,954	26.09	32.78	4.91	9.86	3.64	11.59	4.80	255	
4875	953	2 CY	110 HP D	102,645	32.98	41.47	6.07	12.20	5.01	14.34	6.59	300	
4880	963	2-1/2 CY	150 HP D	135,163	43.75	55.04	8.00	16.07	6.83	18.89	8.99	394	
4885	973	3-3/4 CY	210 HP D	200,618	64.14	80.64	11.86	23.84	9.56	28.03	12.59	534	
FIAT-ALLIS													
4895	FL5	1 CY	63 HP D	44,461	15.26	19.23	2.64	5.29	2.87	6.21	3.78	165	
4900	FL7	1-1/4 CY	78 HP D	52,571	18.24	23.03	3.11	6.24	3.55	7.34	4.68	198	
4905	FL9	1-5/8 CY	87 HP D	63,671	21.63	27.27	3.77	7.57	3.96	8.90	5.21	272	
4910	FL10C	2 CY	122 HP D	80,679	28.15	35.53	4.78	9.59	5.55	11.27	7.31	310	
4915	FL14C	2-5/8 CY	150 HP D	106,099	36.37	45.88	6.27	12.61	6.83	14.83	8.99	410	
4920	FL20	3-1/2 CY	223 HP D	151,083	52.38	66.10	8.94	17.96	10.15	21.11	13.37	605	
INTERNATIONAL													
4930	100-E	1-1/8 CY	65 HP D	53,891	17.77	22.38	3.19	6.41	2.96	7.53	3.90	161	
4935	125-E	1-3/8 CY	78 HP D	64,626	21.31	26.84	3.83	7.68	3.55	9.03	4.68	199	
4940	175-C	2 CY	130 HP D	102,144	34.11	42.96	6.04	12.14	5.92	14.27	7.79	338	
4945	250-C	2-3/4 CY	190 HP D	147,786	49.47	62.33	8.74	17.56	8.65	20.65	11.39	452	
JOHN DEERE													
4955	JD350-C	3/4 CY	42 HP D	39,988	12.79	16.09	2.37	4.75	1.91	5.59	2.52	119	
4960	JD455-D	1-1/4 CY	67 HP D	53,174	17.71	22.32	3.15	6.32	3.05	7.43	4.02	172	
4965	JD555-A	1-3/8 CY	78 HP D	65,240	21.47	27.03	3.86	7.75	3.55	9.11	4.68	188	
KOMATSU													
4975	D31S-17	1.3 CY	66 HP D	47,297	16.16	20.38	2.80	5.63	3.00	6.61	3.96	156	
4980	D41S-3	1.6 CY	90 HP D	65,693	22.35	28.16	3.89	7.81	4.10	9.18	5.39	262	
4985	D53S-16	1.8 CY	110 HP D	83,852	28.20	35.54	4.96	9.96	5.01	11.71	6.59	300	

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

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

KOMATSU (CONT'D)																			
4990	D57S-1	2.1 CY	135 HP D	102,094	34.41	43.36	6.04	12.14	6.14	14.27	8.09	337							
4995	D75S-3	3.3 CY	200 HP D	146,821	49.85	62.85	8.68	17.45	9.10	20.51	11.99	485							
5000	D155S-1	5.9 CY	350 HP D	291,948	96.13	121.02	17.27	34.70	15.93	40.79	20.98	950							
LOADERS, FRONT END, WHEEL TYPE																			

(ARTIC = ARTICULATED)																			
BOBCAT																			
5010	MOD 310	5 CWT. SKID STEER	16 HP G	8,484	3.56	4.59	0.50	0.95	1.42	1.10	1.84	18							
5015	MOD 313	5 CWT. SKID STEER	13 HP D	9,868	2.74	3.51	0.58	1.11	0.55	1.29	0.72	19							
5020	MOD 540	8 CWT. SKID STEER	23 HP G	12,171	5.08	6.53	0.72	1.38	2.03	1.61	2.65	31							
5025	MOD 543	8 CWT. SKID STEER	22 HP D	13,544	3.98	5.08	0.80	1.53	0.93	1.79	1.22	33							
5030	MOD 641	10 CWT. SKID STEER	28 HP D	15,978	4.82	6.15	0.94	1.81	1.18	2.10	1.55	39							
5035	MOD 642	10 CWT. SKID STEER	32 HP G	14,882	6.66	8.57	0.88	1.68	2.83	1.96	3.69	38							
5040	MOD 742	13 CWT. SKID STEER	34 HP G	17,158	7.33	9.40	1.01	1.94	3.01	2.26	3.92	45							
5045	MOD 743	13 CWT. SKID STEER	36 HP D	18,361	5.75	7.36	1.08	2.08	1.52	2.42	2.00	46							
5050	MOD 843	17 CWT. SKID STEER	54 HP D	23,701	7.98	10.34	1.38	2.64	2.28	3.09	3.00	63							
5055	MOD 974	37 CWT. SKID STEER	78 HP D	43,647	13.75	18.11	2.53	4.76	3.29	5.54	4.33	121							
CASE																			
5065	W-11	3/4 CY ARTIC	55 HP D	46,907	12.53	16.01	2.76	5.29	2.32	6.18	3.05	89							
5070	W-14	1-1/4 CY ARTIC	83 HP D	62,112	17.38	22.38	3.64	6.95	3.50	8.11	4.61	137							
5075	W-18 B	1-3/4 CY ARTIC	103 HP D	80,395	22.09	28.35	4.71	9.03	4.34	10.54	5.72	194							
5080	W-20 C	2 CY ARTIC	110 HP D	84,390	23.52	30.36	4.93	9.41	4.64	10.98	6.10	212							
5085	W-24 C	2-1/2 CY ARTIC	132 HP D	103,279	28.47	36.60	6.04	11.57	5.57	13.51	7.33	216							
5090	W-36	3-1/2 CY ARTIC	185 HP D	141,096	38.74	49.37	8.30	15.97	7.80	18.65	10.27	340							

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

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

CATERPILLAR													
5100	910	1-1/4 CY ARTIC	65 HP D	54,340	14.86	19.25	3.17	6.04	2.74	7.04	3.61	145	
5105	920	1-3/4 CY ARTIC	80 HP D	69,999	18.77	24.17	4.10	7.83	3.37	9.14	4.44	186	
5110	930	2-1/4 CY ARTIC	100 HP D	79,936	22.07	28.51	4.66	8.90	4.22	10.38	5.55	212	
5115	950-B	3 CY ARTIC	155 HP D	127,312	34.30	43.71	7.48	14.39	6.54	16.80	8.60	328	
5120	966-D	4 CY ARTIC	200 HP D	173,514	47.22	61.36	10.10	19.20	8.44	22.39	11.10	426	
5125	980-C	5-1/4 CY ARTIC	270 HP D	233,626	58.86	75.92	12.59	24.15	11.39	27.39	14.98	598	
5130	988-B	7 CY ARTIC	375 HP D	336,654	83.41	108.01	17.97	34.06	15.82	38.58	20.81	892	
5135	992-C	13 CY ARTIC	690 HP D	686,147	167.85	219.57	36.40	68.54	29.10	77.58	38.29	1916	
CLARK													
5145	35C	1-1/4 CY	82 HP D	61,246	17.20	22.23	3.58	6.83	3.46	7.97	4.55	177	
5150	45C	1-1/2 CY	107 HP D	71,630	20.70	26.69	4.19	8.01	4.51	9.36	5.94	199	
5155	55C	2 CY ARTIC	121 HP D	83,464	24.00	31.02	4.88	9.31	5.10	10.86	6.72	247	
5160	75C	2-1/2 CY ARTIC	154 HP D	120,539	33.76	43.93	7.01	13.32	6.50	15.53	8.55	313	
5165	125C	3-1/2 CY ARTIC	210 HP D	163,591	46.19	60.44	9.48	17.96	8.86	20.94	11.65	437	
5170	175C	4-1/2 CY ARTIC	273 HP D	222,367	57.08	73.82	11.98	22.94	11.52	26.01	15.15	565	
5175	275C	6-1/2 CY ARTIC	360 HP D	317,397	78.18	100.33	17.03	32.48	15.18	36.81	19.98	864	
5180	475C	12 CY ARTIC	612 HP D	600,009	146.14	189.97	31.94	60.42	25.81	68.43	33.97	1689	
FIAT-ALLIS													
5190	345-B	1-1/2 CY ARTIC	80 HP D	56,006	16.04	20.73	3.27	6.24	3.37	7.28	4.44	151	
5195	FR-10	2-1/4 CY ARTIC	102 HP D	71,356	20.31	26.13	4.18	8.00	4.30	9.34	5.66	212	
5200	FR-12	2-1/2 CY ARTIC	120 HP D	78,463	22.98	29.75	4.58	8.73	5.06	10.19	6.66	230	
5205	FR-15	3 CY ARTIC	155 HP D	109,944	31.85	41.64	6.37	12.08	6.54	14.09	8.60	296	
5210	FR-20	4-1/2 CY ARTIC	215 HP D	172,778	48.26	63.01	10.03	19.02	9.07	22.17	11.93	445	
5215	945-B	6 CY ARTIC	335 HP D	261,502	67.17	87.03	13.96	26.47	14.13	29.97	18.59	666	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.E., WHEEL TYPE (CONT'D) *****														
FORD														
5225	445	3/4 CY	48 HP D	25,712	8.10	10.55	1.50	2.84	2.02	3.30	2.66	73		
5230	555	1 CY	55 HP D	31,345	9.61	12.46	1.83	3.48	2.32	4.05	3.05	78		
5235	A-62	1-1/2 CY	88 HP D	64,569	18.20	23.49	3.78	7.21	3.71	8.41	4.88	173		
5240	A-64	2 CY ARTIC	107 HP D	78,031	22.12	28.61	4.55	8.68	4.51	10.13	5.94	228		
5245	A-66	2-1/2 CY ARTIC	136 HP D	109,964	29.82	38.09	6.45	12.40	5.74	14.48	7.55	256		
INTERNATIONAL														
5255	510B	1-3/8 CY	80 HP D	52,526	15.95	21.23	3.02	5.64	3.37	6.56	4.44	140		
5260	515B	1-5/8 CY	100 HP D	64,762	19.15	24.90	3.76	7.16	4.22	8.35	5.55	167		
5265	520B	2-1/4 CY ARTIC	120 HP D	76,971	22.73	29.49	4.49	8.55	5.06	9.97	6.66	232		
5270	530	2-3/4 CY ARTIC	155 HP D	111,935	31.33	40.05	6.57	12.62	6.54	14.74	8.60	291		
5275	540	3-3/4 CY ARTIC	189 HP D	155,070	43.19	56.54	8.99	17.03	7.97	19.85	10.49	360		
5280	550	5-1/4 CY ARTIC	209 HP D	217,865	57.81	76.15	12.58	23.74	8.82	27.66	11.60	544		
5285	560B	7-1/2 CY ARTIC	415 HP D	318,987	81.46	104.63	17.12	32.65	17.50	37.01	23.03	830		
5290	570	12 CY ARTIC	590 HP D	612,394	145.23	186.32	32.85	62.62	24.89	70.97	32.74	1350		
JOHN DEERE														
5300	300B	3/4 CY	43 HP D	24,212	7.39	9.53	1.41	2.70	1.81	3.15	2.39	69		
5305	444C	1-1/2 CY	85 HP D	64,902	18.10	23.34	3.79	7.25	3.59	8.46	4.72	179		
5310	544C	2 CY ARTIC	105 HP D	78,331	21.77	27.89	4.60	8.82	4.43	10.30	5.83	197		
5315	644C	3 CY ARTIC	145 HP D	112,073	31.30	40.54	6.54	12.46	6.12	14.53	8.05	260		
5320	844	4-1/2 CY ARTIC	260 HP D	205,826	53.52	69.48	11.07	21.16	10.97	23.99	14.43	490		
KAWASAKI														
5330	KSS-65Z	2.2 CY	104 HP D	66,247	19.67	25.57	3.85	7.33	4.39	8.55	5.77	220		
5335	KSS-70	3.0 CY	158 HP D	93,142	27.90	35.82	5.46	10.48	6.66	12.23	8.77	305		
5340	KSS-80	4.0 CY	187 HP D	122,137	36.47	47.91	7.07	13.35	7.89	15.56	10.38	390		
5345	KSS-95Z11	5.5 CY	305 HP D	184,844	52.53	68.77	9.91	18.86	12.86	21.37	16.93	615		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, F.E., WHEEL TYPE (CONT'D)														
TEREX (GM)														
5355	33C	2 CY	103 HP D	68,089	19.96	25.94	3.97	7.55	4.34	8.80	5.72	216		
5360	44C	2-1/2 CY	113 HP D	77,932	22.46	29.06	4.55	8.67	4.77	10.12	6.27	250		
5365	55C	3-1/4 CY	144 HP D	108,982	30.10	38.49	6.40	12.29	6.07	14.35	7.99	280		
5370	66C	4 CY	210 HP D	147,750	42.82	55.92	8.58	16.27	8.86	18.96	11.65	425		
5375	80C	5-1/2 CY	307 HP D	222,318	58.94	76.26	11.98	22.94	12.95	26.01	17.04	590		
5380	90B	7-1/2 CY	388 HP D	323,488	80.77	103.62	17.37	33.14	16.37	37.57	21.53	845		
TROJAN														
5390	1500	1-3/4 CY ARTIC	85 HP D	69,652	19.01	24.49	4.07	7.78	3.59	9.09	4.72	180		
5395	1900	2-1/4 CY ARTIC	117 HP G	79,933	29.74	38.42	4.66	8.90	10.35	10.38	13.48	212		
5400	2000	3 CY ARTIC	149 HP D	113,097	31.19	39.86	6.64	12.76	6.28	14.90	8.27	306		
5405	2500	4 CY ARTIC	182 HP D	140,342	39.68	51.84	8.14	15.44	7.68	17.99	10.10	395		
5410	4000	4-1/4 CY ARTIC	203 HP D	153,510	43.83	57.49	8.88	16.81	8.56	19.59	11.27	410		
5415	5500	5-1/2 CY ARTIC	285 HP D	224,606	58.98	77.04	12.05	22.96	12.02	26.02	15.82	616		
5420	7500	7 CY ARTIC	400 HP D	295,720	76.63	98.77	15.84	30.15	16.87	34.17	22.20	846		
LOADER/BACKHOE, WHEEL TYPE TRACTOR														
CASE														
5430	480D LDR/BHOE	7/8 CY FE BUCKET 24" B/H DIPPER	47 HP D	41,265	11.12	14.01	2.43	4.66	1.98	5.44	2.61	100		
5435	580D LDR/BHOE	1.0 CY FE BUCKET 24" B/H DIPPER	55 HP D	48,114	12.96	16.32	2.83	5.44	2.32	6.35	3.05	115		
5440	680H LDR/BHOE	1-1/4 CY FE BUCKET 30" B/H DIPPER	80 HP D	74,050	19.72	24.83	4.35	8.35	3.37	9.76	4.44	165		
5445	780B LDR/BHOE	1-3/4 CY FE BUCKET 30" B/H DIPPER	111 HP D	87,553	24.18	30.49	5.15	9.90	4.68	11.57	6.16	200		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
LOADER/BH; WHL. TYPE TRACTOR (CONT'D) *****												
JOHN DEERE												
5455	410B LDR/BH 1 CY FE BUCKET 24" B/H DIPPER	62 HP D	49,240	13.81	17.47	2.86	5.45	2.62	6.37	3.44	138	
5460	510 LDR/BHOE 1-1/8 CY FE BUCKET 24" B/H DIPPER	80 HP D	71,284	19.24	24.27	4.17	7.98	3.37	9.31	4.44	205	
5465	710B LDR/BHOE 1-1/2 CY FE BUCKET 30" B/H DIPPER	100 HP D	78,613	21.78	27.48	4.62	8.86	4.22	10.35	5.55	220	
LOADER/BACKHOE, CRLR TYPE TRACTOR *****												
CASE												
5475	350B LDR/BHOE 3/4 CY FE BUCKET 24" B/H DIPPER	39 HP D	56,292	16.74	20.98	3.33	6.69	1.77	7.86	2.34	141	
5480	450B LDR/BHOE 1 CY FE BUCKET 24" B/H DIPPER	53 HP D	67,018	20.35	25.53	3.96	7.96	2.41	9.37	3.18	167	
CATERPILLAR												
5490	931BLDR/BHOE 1 CY FE BUCKET 30" B/H DIPPER	65 HP D	60,175	19.36	24.36	3.56	7.15	2.96	8.41	3.90	207	
LOADER/BACKHOE ATTACHMENTS *****												
HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE OR HYDRAULIC EXCAVATOR (ADD TO THE BASIC LOADER-BACKHOE OR EXCAVATOR)												
5500	KENT RAM 555 W/NARROW CHISEL		5,002	2.11		0.36	0.79	0.00		6		
5505	KENT RAM 999 W/NARROW CHISEL		10,368	4.38		0.76	1.65	0.00		10		
5510	KENT RAM 2000 W/CHISEL-MIN 3/4CY B/H		20,116	8.45		1.47	3.20	0.00		22		
5515	KENT KHP-12 HYDRA-PAK TAMPER		5,283	1.96		0.38	0.84	0.00		9		
5520	KENT KHP-25 HYDRA-PAK MIN 3/4CY B/H		8,295	3.04		0.61	1.32	0.00		15		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE OWNERSHIP	SEVERE OWNERSHIP	FUEL									
			AVERAGE	SEVERE													
PILE EXTRACTORS *****																	
MKT CORPORATION																	
5530	E2	700 FT-LBS	400CFM A	14,477	4.94	1.06	2.30	0.00	27								
5535	E4	1000 FT-LBS	550CFM A	21,916	7.44	1.60	3.49	0.00	47								
VULCAN																	
5545	400A	500 FT-LBS	450CFM A	18,536	6.28	1.35	2.95	0.00	30								
5550	800A	1000 FT-LBS	900CFM A	24,493	8.41	1.78	3.89	0.00	57								
5555	1200A	1640 FT-LBS	1350CFM A	29,327	10.27	2.13	4.66	0.00	97								
PILE HAMMERS, DIESEL ***** (FUEL NOT INCLUDED)																	
MKT CORPORATION																	
5565	DE-30B/20B	(6-FT) 12,000 FT-LBS		36,619	11.92	2.67	5.82	0.00	74								
5570	DE-30B/20B	(6-FT) 16,800 FT-LBS		40,915	13.31	2.98	6.50	0.00	82								
5575	DE-70B/50B	(6-FT) 30,000 FT-LBS		67,258	21.85	4.90	10.69	0.00	138								
5580	DE-70B/50B	(6-FT) 42,000 FT-LBS		71,651	23.26	5.22	11.38	0.00	158								
PILE HAMMERS, SINGLE ACTING *****																	
VULCAN																	
5590	1	15000 FT-LBS	750CFM A	37,800	12.67	2.76	6.01	0.00	101								
5595	06	19500 FT-LBS	900CFM A	43,376	14.53	3.16	6.89	0.00	121								
5600	08	26000 FT-LBS	1100CFM A	50,494	16.94	3.68	8.03	0.00	175								
5605	010	32500 FT-LBS	1350CFM A	55,373	18.65	4.03	8.80	0.00	195								
5610	012	39000 FT-LBS	1500CFM A	62,873	20.98	4.58	9.99	0.00	287								
5615	014	42000 FT-LBS	1750CFM A	74,180	24.95	5.40	11.79	0.00	283								
5620	016	48750 FT-LBS	1750CFM A	86,915	29.07	6.33	13.81	0.00	320								
5625	020	60000 FT-LBS	2150CFM A	116,319	38.79	8.47	18.48	0.00	425								
5630	030	90000 FT-LBS	2350CFM A	170,307	56.38	12.40	27.06	0.00	575								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL	SEVERE OWNER-SHIP	COND. FUEL				
PILE HAMMERS, DOUBLE ACTING												

MKT CORPORATION												
5640	9-B-3	8750 FT-LBS	900CFM A	29,568	10.05	2.15	4.69	0.00	74			
5645	10-B-3	13100 FT-LBS	1200CFM A	34,017	11.64	2.48	5.40	0.00	114			
5650	11-B-3	19150 FT-LBS	1200CFM A	45,186	15.26	3.29	7.18	0.00	141			
5655	5 (SELF STOP)	1000 FT-LBS	375CFM A	11,049	3.83	0.81	1.76	0.00	17			
5660	6 (SELF STOP)	2500 FT-LBS	600CFM A	14,136	4.90	1.03	2.24	0.00	31			
5665	7 (SELF STOP)	4150 FT-LBS	750CFM A	17,875	6.21	1.30	2.84	0.00	50			
VULCAN												
5675	50C	15100 FT-LBS	1250CFM A	48,480	16.36	3.53	7.71	0.00	153			
5680	65C	19200 FT-LBS	1450CFM A	55,169	18.63	4.01	8.76	0.00	153			
5685	80C	24450 FT-LBS	1750CFM A	59,545	20.21	4.34	9.47	0.00	184			
5690	100C	32900 FT-LBS	2050CFM A	73,059	24.73	5.32	11.61	0.00	232			
5695	140C	36000 FT-LBS	2150CFM A	90,068	30.29	6.56	14.31	0.00	287			
5700	200C	50200 FT-LBS	2550CFM A	129,242	43.19	9.41	20.54	0.00	398			
PILE HAMMERS, VIBRATORY												

MKT CORPORATION												
5710	V5	WITH POWER PACK	59 HP D	63,846	23.97	4.65	10.15	2.49	110			
5715	V16	WITH POWER PACK	156 HP D	120,090	47.59	8.75	19.09	6.58	215			
5720	V20	WITH POWER PACK	295 HP D	175,064	73.12	12.75	27.82	12.44	257			
5725	V30	WITH POWER PACK	550 HP D	188,880	91.79	13.75	30.01	23.20	350			
5730	V36	WITH POWER PACK	650 HP D	238,976	113.58	17.40	37.97	27.42	450			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
PIPELAYER *****														
CATERPILLAR														
5740	561D 15 FT BOOM, 40,000 LB CAP 105 HP D	119,150	22.93	28.14	6.66	11.45	2.45	12.78	3.15	357				
5745	571G 18 FT BOOM, 60,000 LB CAP 200 HP D	190,680	37.72	46.37	10.66	18.32	4.66	20.46	5.99	502				
5750	572G 18 FT BOOM, 90,000 LB CAP 200 HP D	217,686	42.15	51.75	12.17	20.92	4.66	23.36	5.99	605				
5755	583K 20 FT BOOM, 140,000 LB CAP 300 HP D	274,669	54.74	67.30	15.35	26.39	6.99	29.47	8.99	905				
5760	594H 24 FT BOOM, 200,000 LB CAP 410 HP D	383,217	76.09	93.54	21.42	36.82	9.56	41.12	12.29	1229				
PUMPS, GROUT *****														
CHEMGROUT														
5770	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,458	3.42			0.81	1.73	0.00		11				
5775	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,615	1.32			0.31	0.65	0.00		5				
5780	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	18,412	5.15			1.20	2.56	0.00		18				
5785	CG-620 COLLOIDAL ADD-ON TO CG-500	8,006	2.15			0.52	1.11	0.00		11				
PUMPS, WATER (FOR CORE DRILLS) *****														
LONGYEAR														
5795	520 RQG 5.7-20 GPM UP TO 600PSI 10 HP G	6,750	2.97			0.40	0.77	1.22		7				
5800	535 RQG 9.9-35 GPM UP TO 800PSI 15 HP G	8,546	4.15			0.51	0.98	1.83		10				
PUMPS, WATER, CENTRIFUGAL, DEWATERING *****														
HOMELITE - SKID MOUNTED														
5810	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	477	0.42			0.03	0.06	0.24		1				
5815	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	610	0.61			0.03	0.07	0.37		1				
5820	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	1,133	1.52			0.07	0.13	0.98		2				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
PUMPS, WATER, CENTRIF, DEWATER (CONT'D) *****														
MARLOW - WHEEL MOUNTED														
5830	MOD 4D2 465 GPM @ 20' HEAD	43 HP G	9,009	8.75		0.54	1.04	5.24		14				
5835	MOD 4C7 595 GPM @ 20' HEAD	30 HP D	5,210	3.49		0.31	0.60	1.76		10				
5840	MOD 6E4A 1100 GPM @ 20' HEAD	79 HP G	11,886	15.12		0.70	1.36	9.63		15				
5845	MOD 6E4A 1100 GPM @ 20' HEAD	60 HP D	17,151	8.35		1.02	1.97	3.53		24				
5850	MOD 8FA3 2320 GPM @ 20' HEAD	70 HP D	21,944	10.13		1.30	2.52	4.12		23				
5855	MOD 10FA61 2775 GPM @ 20' HEAD	68 HP D	23,389	10.26		1.38	2.68	4.00		30				
PUMPS, WATER, CENTRIFUGAL, TRASH *****														
HOMELITE - SKID MOUNTED														
5865	MOD 121TP 2" - 11500 GPH @ 20' H	5 HP G	970	1.01		0.06	0.11	0.61		1				
5870	MOD 120 3" - 23000 GPH @ 20' H	8 HP G	1,335	1.56		0.08	0.15	0.98		2				
5875	MOD 160TP 4" - 36500 GPH @ 20' H	16 HP G	2,736	3.12		0.16	0.31	1.95		4				
PUMPS, WATER, DIAPHRAGM *****														
HOMELITE - SKID MOUNTED														
5885	MOD 111DP 2" - 1900 GPH @ 10' HD	3 HP G	1,210	0.74		0.07	0.14	0.37		1				
5890	MOD 111DP 3" - 4800 GPH @ 10' HD	3 HP G	1,363	0.77		0.09	0.16	0.37		2				
PUMPS, WATER, SUBMERSIBLE *****														
GORMAN-RUPP														
5900	MOD S2A1 2" - 138 GPM @ 20' HD	2 HP E	1,649	0.54		0.10	0.19	0.19		2				
5905	MOD S3A1 3" - 278GPM @ 20' HD	5 HP E	2,358	1.07		0.14	0.27	0.48		3				
5910	MOD S4A1 4" - 860 GPM @ 40' HD	25 HP E	8,394	4.82		0.50	0.96	2.41		12				
5915	MOD S6A1 6" - 1950 GPM @ 40' HD	60 HP E	10,917	10.11		0.64	1.25	5.78		14				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.						
					AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP						
PUMPS, WATER, SUBMERSIBLE (CONT'D) *****															
HOMELITE															
5925	MOD SP200 2" - 13000 GPH @ 10' HD	2 HP E	1,328	0.49			0.08	0.15	0.19	1					
5930	MOD SP300 3" - 19000 GPH @ 15' HD	4 HP E	1,640	0.82			0.10	0.19	0.39	1					
RIPPER & HYDRAULIC BANK SLOPER ***** (DOES NOT INCLUDE COST OF POINT WEAR)															
ATECO															
5940	LPAF-D8K	PARALLEL LIFT	26,347	6.63	8.97	1.72	3.68	0.00	4.60	0.00					
5945	D-8K	SHANKS EA		2,121	0.53	0.71	0.14	0.30	0.00	0.37					
5950	LPAF-D7G	PARALLEL LIFT		19,382	4.89	6.60	1.26	2.71	0.00	3.38					
5955	D-7G	SHANKS EA		931	0.23	0.31	0.06	0.13	0.00	0.16					
5960	V-LPRF-TD25E	PARALLEL LIFT STD SVC		22,806	5.76	7.78	1.49	3.19	0.00	3.98					
5965	TD-25C	SHANKS EA		2,047	0.50	0.69	0.13	0.28	0.00	0.36					
5970	V-LPRF-TD20E	PARALLEL LIFT STD SVC		16,174	4.09	5.53	1.05	2.26	0.00	2.83					
5975	TD-20E	SHANKS EA		1,290	0.32	0.43	0.08	0.18	0.00	0.22					
5980	PS-TD15C	RADIAL LIFT		9,330	2.40	3.22	0.61	1.31	0.00	1.63					
5985	TD-15C	SHANKS EA		503	0.12	0.17	0.03	0.07	0.00	0.09					
5990	V-LPRF 82-50	PARALLEL LIFT STD SVC		25,394	6.38	8.63	1.65	3.55	0.00	4.43					
5995	82-50	SHANKS EA		2,047	0.50	0.69	0.13	0.28	0.00	0.36					
6000	V-LPRF-82-30B	PARALLEL LIFT		22,499	5.65	7.66	1.46	3.14	0.00	3.93					
6005	82-30	SHANKS EA		2,722	0.67	0.91	0.18	0.38	0.00	0.47					
6010	HBS-HYDR BANK SLOPER	260-475 HP		9,723	2.07	2.62	0.57	1.15	0.00	1.36					
CATERPILLAR															
6020	D-10 MULTI-SHANK BEAM		52,130	13.15	17.77	3.40	7.29	0.00	9.10	0.00					
6025	D-10 SHANKS EA			3,785	0.94	1.27	0.25	0.53	0.00	0.66					
6030	D-10 SINGLE-SHANK BEAM			55,089	13.86	18.75	3.59	7.70	0.00	9.61					
6035	D-9L MULTI-SHANK BEAM W/HYD-CONTROL			43,784	11.01	14.90	2.85	6.12	0.00	7.64					
6040	D-9L SHANKS EA			3,411	0.85	1.14	0.23	0.48	0.00	0.59					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	RIPPER & HYDR BANK SLOPER (CONT'D) ***** (DOES NOT INCLUDE COST OF POINT WEAR)									
	CATERPILLAR (CONT'D)									
6045	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK	40,848	10.28	13.91	2.66	5.70	0.00	7.13	0.00	156
6050	D-8L MULTI-SHANK BEAM HYD-CONTROL	29,339	7.37	9.98	1.91	4.10	0.00	5.12	0.00	98
6055	D-8L SHANKS EA	1,902	0.48	0.64	0.13	0.27	0.00	0.33	0.00	7
6060	D-8L SINGLE-SHANK BEAM HYD-CNTL&SHANK	28,628	7.19	9.74	1.86	4.00	0.00	5.00	0.00	101
6065	D-7G MULTI-SHANK BEAM HYD-CONTROL	16,438	4.16	5.62	1.07	2.30	0.00	2.87	0.00	57
6070	D-7G SHANKS EA	971	0.24	0.33	0.07	0.14	0.00	0.17	0.00	3
6075	D-6D MULTI-SHANK BEAM HYD-CONTROL	10,257	2.62	3.53	0.67	1.43	0.00	1.79	0.00	34
6080	D-6D SHANKS EA	487	0.12	0.16	0.03	0.07	0.00	0.08	0.00	1
6085	D-4E MULTI-SHANK BEAM HYD-CONTROL	6,349	1.66	2.22	0.42	0.89	0.00	1.11	0.00	22
6090	D-4E SHANKS EA	270	0.07	0.09	0.02	0.04	0.00	0.05	0.00	1
6095	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,770	0.77	1.02	0.18	0.39	0.00	0.49	0.00	7
6100	D-3B SHANKS EA	156	0.05	0.06	0.02	0.03	0.00	0.03	0.00	1
	FIAT-ALLIS									
6110	FD-50 W/HYD-CNTL AND 1 SHANK	58,317	14.73	19.92	3.80	8.15	0.00	10.18	0.00	280
6115	FD-40 W/HYD-CNTL AND 2 SHANKS	45,353	11.43	15.47	2.95	6.33	0.00	7.92	0.00	200
6120	FD-30 W/HYD-CNTL AND 2 SHANKS	33,268	8.35	11.29	2.17	4.65	0.00	5.80	0.00	108
6125	RP20B W/HYD-CNTL AND 3 SHANKS	20,130	5.08	6.86	1.31	2.81	0.00	3.51	0.00	88
	ROLLER, RUBBER TIRED, SELF-PROPELLED *****									
	FERGUSON									
6135	MOD SP-912 12 TON 85 HP D	39,197	12.74			2.30	4.53	3.59		99
6140	MOD SP-915 15 TON 85 HP D	43,740	13.69			2.57	5.07	3.59		135
6145	MOD SP-1118 18 TON 85 HP D	50,209	15.06			2.94	5.80	3.59		124
6150	MOD SP-1130 30 TON 125 HP D	80,965	23.71			4.73	9.30	5.27		242

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE OWNERSHIP	FUEL OWNERSHIP	SEVERE OWNERSHIP	FUEL				
ROLLER, R/T, SELF-PROPELLED (CONT'D) *****												
INGRAM												
6160	9-2800-P	12 TON	76 HP D	34,045	11.18	1.98	3.91	3.21	73			
6165	9-2800-PA	12 TON	76 HP D	36,742	11.75	2.15	4.23	3.21	86			
6170	9-3400-P	15 TON	78 HP D	37,755	12.06	2.21	4.35	3.29	97			
6175	11-2700	15 TON	107 HP G	36,311	19.44	2.11	4.16	9.46	89			
6180	11-2700	15 TON	76 HP D	40,294	12.52	2.35	4.63	3.21	91			
6185	13-2300	15 TON	107 HP G	37,838	19.76	2.20	4.31	9.46	86			
6190	13-2300	15 TON	76 HP D	41,870	12.86	2.44	4.79	3.21	90			
6195	9-6000	27 TON	117 HP D	91,758	25.58	5.35	10.52	4.94	205			
TAMPO												
6205	SP-312	12 TON	68 HP D	36,894	11.37	2.16	4.26	2.87	66			
6210	SP-518	15 TON	68 HP D	45,959	13.23	2.69	5.33	2.87	95			
6215	SP-950	27 TON	130 HP D	94,837	26.87	5.55	10.93	5.48	198			
6220	SP-1070 M	35 TON	130 HP D	114,264	31.46	6.56	12.72	5.48	258			
ROLLER, RUBBER TIRED, TOWED *****												
FERGUSON												
6230	RT-100S	50 TON		64,104	13.24	3.46	6.26	0.00	200			
6235	RT-120S	60 TON		75,287	16.22	4.27	8.16	0.00	218			
SOUTHWEST												
6245	C 50	50 TON		78,061	16.33	4.30	7.97	0.00	344			
6250	C 75	75 TON		87,885	18.33	4.79	8.73	0.00	408			
6255	C 100XL	100 TON		119,611	25.15	6.66	12.47	0.00	601			
TAMPO												
6265	R-13	14 TON		9,684	2.13	0.53	0.99	0.00	35			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	SEVERE COND.	
	ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED *****									
	FERGUSON									
6275	MOD 112	40"X48" 3-7 TON	13,960	3.05	0.83	1.65	0.00			65
6280	MOD 112W	40"X48" 4.5-8 TON	17,894	3.87	1.06	2.12	0.00			91
6285	MOD 112W-48	48"X48" 5-10 TON	18,634	4.03	1.11	2.21	0.00			105
6290	MOD 120	60"X60" 8-18 TON	27,900	5.95	1.65	3.29	0.00			157
6295	MOD 120 MOD	60"X60" 8-18 TON	42,505	9.00	2.52	5.02	0.00			230
6300	MOD 120-RE	60"X60" 16-20 TON	62,726	13.23	3.71	7.41	0.00			327
6305	MOD 22	60"X72" 16-20 TON	41,797	8.87	2.47	4.94	0.00			215
6310	MOD 22 MOD	60"X72" 16-20 TON	48,715	10.30	2.88	5.75	0.00			269
6315	MOD 144-RE	60"X72" 19-24 TON	73,835	15.55	4.37	8.73	0.00			385
	TAMPO									
6325	H-1 TF	40"X48" 2.6TON	6,229	1.44	0.37	0.74	0.00			32
6330	H-2 TF	40"X48" 5 TON	12,567	2.77	0.75	1.49	0.00			63
	ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED *****									
	CATERPILLAR									
6340	815 B	40.5"X38" 210 HP D	154,684	43.28	9.15	18.27	8.86			419
6345	825C	51"X44" 310 HP D	232,309	64.71	13.74	27.43	13.08			633
6350	825C	W/S BLADE 310 HP D	245,792	67.53	14.54	29.03	13.08			684
	HYSSTER									
6360	C455-B TANDEM	80"X80" ARTIC 330 HP D	251,290	69.72	14.86	29.68	13.92			573

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.				
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
ROLLER, SMOOTH WHEEL, SELF-PROPELLED *****												
FERGUSON												
6370	3-5 TON	TANDEM	52 HP D	26,541	8.27	1.57	3.14	2.19	77			
6375	4-6 TON	TANDEM	52 HP D	31,739	9.35	1.88	3.75	2.19	96			
6380	5-8 TON	TANDEM	85 HP D	48,303	14.54	2.86	5.71	3.59	136			
6385	8-10 TON	TANDEM	85 HP D	51,039	15.11	3.02	6.03	3.59	174			
6390	8-12 TON	TANDEM	85 HP D	53,218	15.55	3.15	6.28	3.59	176			
6395	10-14 TON	TANDEM	85 HP D	56,078	16.15	3.31	6.62	3.59	219			
INGRAM												
6405	12 TON EB 3 WHEEL 3" OVERLAP	107 HP G	53,600	22.92	3.17	6.33	9.46		194			
6410	12 TON EB 3 WHEEL 3" OVERLAP	85 HP D	57,305	16.41	3.39	6.77	3.59		196			
6415	14 TON EB 3 WHEEL 3" OVERLAP	107 HP G	57,118	23.66	3.38	6.75	9.46		221			
6420	14 TON EB 3 WHEEL 3" OVERLAP	85 HP D	60,823	17.14	3.60	7.18	3.59		223			
6425	4-6 TON FB 2 WHEEL	TANDEM	54 HP G	26,089	11.37	1.54	3.08	4.78	82			
6430	6-9 TON GB 2 WHEEL	TANDEM	107 HP G	35,773	19.19	2.11	4.22	9.46	133			
6435	6-9 TON GB 2 WHEEL	TANDEM	85 HP D	39,478	12.69	2.34	4.66	3.59	135			
6440	8-12 TON HB 2 WHEEL	TANDEM	107 HP G	43,559	20.82	2.58	5.14	9.46	171			
6445	8-12 TON HB 2 WHEEL	TANDEM	85 HP D	47,264	14.32	2.80	5.59	3.59	173			
6450	10-14 TON HB 2 WHEEL	TANDEM	107 HP G	47,310	21.61	2.80	5.59	9.46	203			
6455	10-14 TON HB 2 WHEEL	TANDEM	85 HP D	51,015	15.09	3.01	6.02	3.59	205			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	SEVERE OWNER-SHIP	FUEL	AVERAGE FUEL										
			AVERAGE	SEVERE															
ROLLER, VIBRATORY, SINGLE DRUM, TOWED																			
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS																			
DYNAPAC																			
6465	CK-11	40HZ	30"X55"	5 TON	18 HP	G	12,924	6.51	0.84	1.79	2.19	31							
6470	CF-11	40HZ	TF 30"X55"	5 TON	18 HP	G	15,719	7.30	1.03	2.18	2.19	32							
6475	CH-47	27HZ	47"X74"	13 TON	43 HP	D	38,462	14.13	2.51	5.34	2.53	130							
6480	CF-47	27HZ	TF 47"X74"	13 TON	43 HP	D	37,478	13.85	2.44	5.20	2.53	135							
6485	CK-51	25HZ	59"X83"	24 TON	95 HP	D	52,922	22.22	3.44	7.34	5.59	221							
6490	CF-51	25HZ	TF 59"X83"	24 TON	95 HP	D	55,691	22.99	3.62	7.72	5.59	226							
FERGUSON																			
6500	65	25HZ	TF 60"X72"	11 TON	49 HP	D	36,434	14.01	2.37	5.05	2.88	110							
6505	65T	30HZ	TF 44"X72"	11 TON	49 HP	D	39,741	14.95	2.59	5.52	2.88	127							
6510	230	25HZ	66"X78"	20 TON	77 HP	D	64,514	24.07	4.20	8.95	4.53	237							
6515	230T	25HZ	TF 66"X78"	21 TON	77 HP	D	70,193	25.66	4.57	9.74	4.53	268							
Hyster																			
6525	C200B	30HZ	48"X60"	9 TON	39 HP	D	31,303	11.80	2.04	4.35	2.29	80							
6530	C210A	30HZ	TF 58"X60"	9 TON	39 HP	D	37,082	13.41	2.41	5.14	2.29	100							
RAYGO																			
6540	SF-54A	TF	38HZ 30"X54"	7.5TON	30 HP	D	18,701	7.57	1.22	2.60	1.76	48							
6545	SM-54A		38HZ 30"X54"	7.5TON	30 HP	D	17,042	7.09	1.11	2.36	1.76	48							
SOUTHWEST																			
6555	756	25HZ	TF 66"X78"	23.5TON	75 HP	D	78,944	27.95	5.13	10.95	4.41	240							
6560	566	33HZ	TF 56"X72"	25.5TON	50 HP	D	60,123	20.74	3.91	8.34	2.94	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														

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP			
			AVERAGE	SEVERE						
ROLLER, VIBRATORY, SD, S/P (CONT'D) *****										
	TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
RAYGO (CONT'D)										
6695	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	95,070	35.98		6.14	13.01	7.00		225	
6700	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	80,543	32.38		5.19	10.96	7.35		224	
6705	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	112,250	40.82		7.24	15.33	7.00		358	
6710	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	97,675	36.74		6.29	13.31	7.00		316	
6715	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	88,234	34.58		5.66	11.93	7.35		263	
TAMPO										
6725	RS-16A 26HZ 48"X24" 7.5TON 68 HP D	61,141	22.54		3.90	8.20	4.00		124	
6730	RS-16 26HZ 48"X24" 8 TON 68 HP D	53,614	20.34		3.47	7.37	4.00		115	
6735	RS-16D 26HZ 48"X24" 8 TON 80 HP D	64,892	24.43		4.20	8.93	4.71		123	
6740	RH-16A 26HZ 48"X24" 9 TON 75 HP D	71,544	26.00		4.58	9.65	4.41		153	
6745	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	71,268	26.23		4.62	9.82	4.71		127	
6750	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	93,724	34.92		6.04	12.79	6.47		212	
6755	RS-28C 25HZ 60"X84" 15 TON 107 HP D	78,366	30.37		5.04	10.66	6.29		202	
6760	RS-28D 25HZ 60"X84" 15 TON 107 HP D	84,549	32.11		5.45	11.52	6.29		208	
6765	RH-28D 28HZ 60"X84"22.5TON 110 HP D	107,406	38.74		6.93	14.68	6.47		259	
ROLLER, VIB, DOUBLE DRUM, SELF-PROPELLED *****										
	TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
DYNAPAC										
6775	LR-50 60HZ TANDEM 2 TON 16 HP D	11,051	4.35		0.72	1.54	0.94		25	
6780	CC-10 50HZ TANDEM 2 TON 34 HP D	28,929	10.75		1.88	4.01	2.00		50	
6785	CC-21 50HZ TANDEM 4 TON 71 HP D	68,557	24.74		4.46	9.51	4.18		137	
6790	CC-42II 42HZ TANDEM 12 TON 125 HP D	92,340	35.58		6.00	12.80	7.35		200	
6795	CC-50A 40HZ TANDEM 18 TON 155 HP D	111,786	43.38		7.27	15.51	9.12		310	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
ROLLER, VIBRATORY, DD, S/P (CONT'D) ***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
	DYNAPAC (CONT'D)													
6800	CC-50S	28HZ	TANDEM	22 TON	181 HP	D	134,616	51.80	8.75	18.67	10.65	342		
6805	CC-50PD	28HZ	TF TANDEM	22 TON	181 HP	D	153,486	57.09	9.98	21.29	10.65	419		
RAYGO														
6815	REBEL 1-36	40HZ	TANDEM	2 TON	16 HP	D	11,096	4.35	0.72	1.54	0.94	23		
6820	ROMPER 2-36	40HZ	TANDEM	4 TON	35 HP	D	24,578	9.61	1.60	3.41	2.06	40		
6825	RUSTLER 5604A	50HZ	TANDEM	5.5TON	70 HP	D	66,191	24.00	4.31	9.19	4.12	132		
6830	RUSTLER 7204A	38HZ	TANDEM	8 TON	115 HP	D	88,816	33.83	5.77	12.32	6.77	250		
6835	RANGER 2-66	38HZ	TANDEM	8 TON	119 HP	D	111,733	40.56	7.27	15.50	7.00	215		
TAMPO														
6845	RS-03	60HZ	36"X24"	2 TON	14 HP	G	10,880	5.31	0.71	1.51	1.71	23		
6850	RS-144A	50HZ	42"X48"	8 TON	52 HP	D	55,997	19.73	3.64	7.76	3.06	100		
6855	RS-166A	36HZ	48"X66"	16 TON	80 HP	D	88,258	30.96	5.74	12.24	4.71	200		
6860	RS-188A	36HZ	60"X84"	30 TON	156 HP	D	109,862	42.92	7.14	15.24	9.18	320		
6865	RH-199	25HZ	60"X96"	45 TON	262 HP	D	193,538	74.60	12.59	26.85	15.41	491		
SCRAPERS, SELF-PROPELLED ***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)														
CATERPILLAR														
6875	613-B	13 T	11 CY P.S.	150 HP	D	129,122	36.94	47.69	7.46	14.59	6.49	17.10	8.49	307
6880	615	19 T	14-16 CY P.S.	250 HP	D	207,338	58.56	76.28	11.91	23.92	10.82	28.14	14.15	525
6885	621-B	24 T	14-20 CY P.S.	330 HP	D	256,126	70.40	91.95	14.69	29.50	12.82	34.71	16.85	662
6890	623-B	25 T	22 CY P.S.	330 HP	D	283,888	79.06	102.71	16.34	32.91	14.29	38.72	18.68	718
6895	627-B	24 T	14-20 CY P.S.	225/225 HP	D/D	298,042	88.22	115.60	17.22	34.81	18.48	40.98	23.98	733
6900	627-B PP	24 T	14-20 CY P.S.	225/225 HP	D/D	316,352	91.78	120.01	18.30	37.05	18.48	43.62	23.98	772

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	COND.	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)														
CATERPILLAR (CONT'D)														
6905	631-D 37.5T 21-31 CY P.S. 450 HP D	391,181	103.86	135.11	22.52	45.39	17.48	53.42	22.98	934				
6910	633-D 37.5T 34 CY P.S. 450 HP D	445,322	119.05	154.00	25.73	52.02	19.48	61.24	25.47	1042				
6915	637-D 37.5T 21-31 CY P.S. 450/250 HP D/D	479,139	139.77	182.67	27.73	56.16	28.75	66.13	37.30	1053				
6920	637-D PP 37.5T 21-31 CY P.S. 450/250 HP D/D	499,608	143.75	187.61	28.94	58.67	28.75	69.09	37.30	1077				
6925	639-D 37.5T 24-34 CY P.S. 450/250 HP D/D	550,581	156.53	205.46	31.78	64.21	28.75	75.58	37.30	1223				
6930	651-B 52 T 32-44 CY P.S. 550 HP D	502,870	132.57	172.68	28.91	58.17	21.37	68.45	28.08	1230				
6935	657-B 52 T 32-44 CY P.S. 550/400 HP D/D	619,511	183.70	240.47	35.81	72.45	39.02	85.31	50.62	1516				
FIAT-ALLIS														
6950	161 18.7 T 15 CY P.S. 229 HP D	179,524	50.92	66.02	10.36	20.90	9.91	24.59	12.96	466				
6955	260B 25.0 T 15-21 CY P.S. 325 HP D	241,694	66.63	86.71	13.92	28.03	12.63	32.98	16.59	585				
6960	261B 26.5 T 23 CY P.S. 325 HP D	271,004	77.54	101.65	15.46	30.86	14.07	36.28	18.40	635				
6965	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	286,052	88.27	115.80	16.50	33.34	20.37	39.25	26.43	679				
6970	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	340,387	98.38	128.05	19.75	40.10	20.37	47.23	26.43	742				
INTERNATIONAL														
6980	412B 13 T 11 CY P.S. 125 HP D	127,906	34.94	44.95	7.42	14.55	5.41	17.05	7.08	335				
6985	431B 24 T 14-21 CY P.S. 326 HP D	253,442	69.24	90.18	14.58	29.35	12.67	34.53	16.65	609				
6990	433B 24 T 14-21 CY P.S. 326/185 HP D/D	296,988	91.18	119.44	17.15	34.68	20.99	40.82	27.23	700				
6995	442B 25 T 22 CY P.S. 326 HP D	283,273	78.25	101.39	16.34	33.00	14.11	38.84	18.45	680				
JOHN DEERE														
7005	JD762A 13.7 T 11 CY P.S. 175 HP D	135,386	39.48	50.77	7.86	15.43	7.58	18.08	9.91	355				
7010	JD862 20.0 T 16 CY P.S. 250 HP D	183,639	52.91	68.59	10.59	21.39	10.82	25.19	14.15	492				

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

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

(CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)													
TEREX (GM)													
7020	S-23E 26.5T 23 CY P.S. 310 HP D	266,340	74.03	96.12	15.34	30.92	13.42	36.40	17.55	660			
7025	S-24B 40.8T 24-34 CY P.S. 475 HP D	422,060	112.04	146.02	24.25	48.79	18.45	57.41	24.25	955			
7030	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	271,250	73.74	96.55	15.68	31.74	11.83	37.38	15.34	544			
7035	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	458,514	131.26	171.66	26.52	53.70	25.42	63.23	32.98	960			
7040	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	539,202	153.92	201.34	31.19	63.14	29.45	74.34	38.20	1084			
SCRAPER, TRACTOR DRAWN													

ROME													
7055	ROME 18T 12-17CY HYDR/CONTROL	78,491	14.46	17.37	4.19	7.95	0.00	9.00	0.00	235			
7060	ROME 27T 18-26CY HYDR/CONTROL	103,682	19.43	23.42	5.47	10.25	0.00	11.59	0.00	365			
SOUTHWEST-HUME													
7070	SOUTHWEST DS1.8 DRAG SCRAPER 8.8 CY	40,356	7.54	9.08	2.13	4.00	0.00	4.53	0.00	137			
SOIL STABILIZER													

BOMAG													
7080	MOD MPH-50 12"DEEP BY 82"WIDE 152 HP D	97,118	28.57	37.07	5.70	11.34	6.58	13.32	8.60	208			
7085	MOD MPH-100 14.5"DEEP X 79"WIDE 304 HP D	151,682	48.59	63.25	8.89	17.63	13.16	20.70	17.21	300			
BROS													
7095	MOD LSPRM-8A 19"DEEP X 99.75"WIDE 318 HP D	137,580	45.62	58.90	8.11	16.19	13.77	19.01	18.00	300			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
TRACTOR, CRAWLER (DOZER) *****																			
CATERPILLAR																			
7105	D-3B P.S.	65 HP D	41,069	13.62	17.48	2.43	4.72	2.96	5.52	3.90	130								
7110	3P POWER ANGLE & POWER TILT		8,249	1.77	2.23	0.49	0.98	0.00	1.15	0.00	24								
7115	D-4E P.S.	80 HP D	57,300	18.35	23.53	3.39	6.59	3.64	7.71	4.80	184								
7120	4A ANGLE BLADE HYDRAULIC		10,878	2.32	2.92	0.65	1.30	0.00	1.52	0.00	28								
7125	4S STRAIGHT BLADE HYDRAULIC		8,322	1.79	2.25	0.50	0.99	0.00	1.16	0.00	25								
7130	D-5B P.S.	105 HP D	83,958	26.14	33.47	4.97	9.66	4.78	11.30	6.29	234								
7135	5A ANGLE BLADE HYDRAULIC		13,691	2.89	3.65	0.81	1.63	0.00	1.91	0.00	43								
7140	5S STRAIGHT BLADE HYDRAULIC		10,815	2.30	2.91	0.64	1.28	0.00	1.51	0.00	36								
7145	D-6D P.S.	140 HP D	113,088	35.12	44.96	6.69	13.01	6.37	15.21	8.39	283								
7150	6S STRAIGHT BLADE HYDRAULIC		14,041	2.96	3.75	0.83	1.67	0.00	1.96	0.00	49								
7155	6A ANGLE BLADE HYDRAULIC		15,775	3.32	4.20	0.94	1.88	0.00	2.20	0.00	53								
7160	D-7G P.S.	200 HP D	163,599	50.65	64.85	9.68	18.82	9.10	22.01	11.99	378								
7165	7S STRAIGHT BLADE HYDRAULIC		21,773	4.54	5.78	1.28	2.58	0.00	3.05	0.00	77								
7170	7U HYD. UNIVERSAL BLADE		23,850	4.98	6.31	1.42	2.84	0.00	3.33	0.00	84								
7175	7A ANGLE BLADE HYDRAULIC		19,011	3.98	5.04	1.13	2.26	0.00	2.65	0.00	68								
7180	D-8L P.S.	335 HP D	256,484	75.95	97.53	15.18	31.48	15.25	37.17	20.08	735								
7185	8S STRAIGHT BLADE HYDRAULIC		31,914	6.67	8.46	1.89	3.79	0.00	4.46	0.00	120								
7190	8U HYD. UNIVERSAL BLADE		35,188	7.35	9.33	2.08	4.18	0.00	4.92	0.00	133								
7195	8A ANGLE BLADE HYDRAULIC		32,234	6.76	8.56	1.91	3.84	0.00	4.51	0.00	133								
7200	PUSH PLATE USE W/8S		975	0.25	0.31	0.06	0.12	0.00	0.14	0.00	6								
7205	D-9L P.S.	460 HP D	342,966	90.77	113.34	18.85	37.01	20.93	42.08	27.57	1004								
7210	9S STRAIGHT BLADE HYDRAULIC		44,439	9.30	11.79	2.63	5.28	0.00	6.21	0.00	184								
7215	9U HYD. UNIVERSAL BLADE		46,971	9.83	12.46	2.78	5.58	0.00	6.56	0.00	195								
7220	9C CUSHION BLADE		39,105	8.18	10.38	2.31	4.64	0.00	5.46	0.00	160								
7225	REAR CUSHION PUSH BLOCK		11,448	2.47	3.11	0.68	1.36	0.00	1.60	0.00	41								
7230	FRONT PUSH PLATE		1,323	0.35	0.42	0.08	0.16	0.00	0.18	0.00	9								
7235	D-10 P.S.	700 HP D	573,231	147.83	184.32	31.51	61.85	31.86	70.33	41.96	1526								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
TRACTOR, CRAWLER (DOZER) (CONT'D) *****												
CATERPILLAR (CONT'D)												
7240	10S STRAIGHT BLADE HYDRAULIC	67,244	14.09	17.85	3.98	7.99	0.00	9.39	0.00	280		
7245	10U HYD. UNIVERSAL BLADE	73,541	15.39	19.51	4.35	8.74	0.00	10.28	0.00	286		
7250	FRONT PUSH PLATE	1,486	0.39	0.47	0.09	0.18	0.00	0.21	0.00	8		
7255	10C CUSHION BLADE	49,854	10.44	13.22	2.95	5.93	0.00	6.96	0.00	198		
FIAT-ALLIS												
7265	FD5 P.S. W/HYD. ANGLE TILT BLADE 63 HP D	46,505	14.77	18.94	2.75	5.34	2.87	6.26	3.78	140		
7270	FD7 P.S. W/POW. ANGLE TILT BLADE 78 HP D	55,016	17.70	22.68	3.26	6.33	3.55	7.40	4.68	175		
7275	8-B P.S. 88 HP D	61,974	19.94	25.56	3.67	7.13	4.00	8.34	5.27	215		
7280	8-HA ANGLE BLADE HYDRAULIC	9,565	2.05	2.57	0.57	1.14	0.00	1.33	0.00	30		
7285	8-HSU SEMI-U BLADE HYDRAULIC	9,552	2.01	2.54	0.56	1.13	0.00	1.33	0.00	30		
7290	10-C P.S. 122 HP D	85,422	27.53	35.29	5.05	9.82	5.55	11.50	7.31	280		
7295	10-HA ANGLE BLADE HYDRAULIC	10,695	2.27	2.87	0.63	1.27	0.00	1.49	0.00	36		
7300	10-HSU SEMI-U BLADE HYDRAULIC	12,978	2.71	3.44	0.77	1.54	0.00	1.81	0.00	38		
7305	14-C P.S. 150 HP D	109,998	35.03	44.86	6.51	12.66	6.83	14.79	8.99	335		
7310	14-HA ANGLE BLADE HYDRAULIC	16,301	3.43	4.34	0.97	1.94	0.00	2.28	0.00	51		
7315	14-HSU SEMI-U BLADE HYDRAULIC	16,277	3.40	4.30	0.97	1.94	0.00	2.27	0.00	51		
7320	FD 20 P.S. 223 HP D	166,379	52.72	67.55	9.84	19.14	10.15	22.39	13.37	535		
7325	20-HA ANGLE BLADE HYDRAULIC	17,562	3.69	4.68	1.04	2.09	0.00	2.46	0.00	66		
7330	20-HS STRAIGHT BLADE HYDRAULIC	18,385	3.85	4.89	1.09	2.18	0.00	2.57	0.00	66		
7335	20-HSU SEMI-U BLADE HYDRAULIC	24,766	5.13	6.52	1.46	2.94	0.00	3.46	0.00	79		
7340	FD 30 P.S. 300 HP D	254,514	73.46	94.28	15.06	31.23	13.65	36.88	17.98	775		
7345	30HSU HYD. SEMI-UNIVERSAL BLADE	34,795	7.27	9.21	2.06	4.14	0.00	4.86	0.00	127		
7350	30-HU FULL-U BLADE HYDRAULIC	35,047	7.30	9.26	2.08	4.17	0.00	4.90	0.00	114		
7355	FD40 P.S. 455 HP D	367,097	95.05	118.54	20.18	39.61	20.71	45.04	27.27	1128		
7360	40-HSU SEMI-U BLADE HYDRAULIC	53,149	11.14	14.11	3.15	6.32	0.00	7.43	0.00	222		
7365	40-HU FULL-U BLADE HYDRAULIC	54,663	11.48	14.54	3.24	6.50	0.00	7.64	0.00	254		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) (CONT'D) *****														
FIAT-ALLIS (CONT'D)														
7370	40-HC	CUSHION BLADE	33,593	7.02	8.90	1.99	3.99	0.00	4.69	0.00				
7375	FD 50	P.S. 525 HP D	490,749	122.36	152.29	26.97	52.95	23.89	60.22	31.47				
7380	50-HSU	SEMI-U BLADE HYDRAULIC	60,912	12.77	16.18	3.60	7.24	0.00	8.51	0.00				
7385	50-HU	FULL-U BLADE HYDRAULIC	69,618	14.54	18.45	4.12	8.27	0.00	9.73	0.00				
7390	50-HC	CUSHION BLADE	38,701	8.07	10.24	2.29	4.60	0.00	5.41	0.00				
INTERNATIONAL														
7400	TD-7-E	P.S. W/HYD BLADE 65 HP D	51,113	15.98	20.47	3.02	5.88	2.96	6.88	3.90				
7405	TD-8-E	P.S. W/HYD BLADE 78 HP D	64,059	19.81	25.37	3.78	7.36	3.55	8.62	4.68				
7410	TD-12	P.S. W/HYD BLADE 110 HP D	93,674	28.72	36.75	5.54	10.77	5.01	12.60	6.59				
7415	TD-15-C	P.S. 140 HP D	120,724	36.89	47.22	7.14	13.88	6.37	16.24	8.39				
7420	15D-2	HYD. SEMI-UNIVERSAL BLADE	13,372	2.79	3.55	0.79	1.58	0.00	1.87	0.00				
7425	15G-2	ANGLE BLADE HYDRAULIC	15,047	3.14	3.99	0.89	1.79	0.00	2.11	0.00				
7430	TD-20-E	P.S. 210 HP D	186,089	56.53	72.32	11.01	21.40	9.56	25.03	12.59				
7435	20D-2	HYD. SEMI-UNIVERSAL BLADE	23,313	4.85	6.15	1.39	2.78	0.00	3.26	0.00				
7440	20G-2	ANGLE BLADE HYDRAULIC	16,257	3.39	4.30	0.96	1.93	0.00	2.27	0.00				
7445	TD-25-E	P.S. 310 HP D	239,780	70.81	90.93	14.19	29.42	14.11	34.75	18.58				
7450	25D-2	HYD. SEMI-UNIVERSAL BLADE	29,356	6.13	7.77	1.74	3.49	0.00	4.10	0.00				
7455	25G-2	ANGLE BLADE HYDRAULIC	24,611	5.18	6.55	1.46	2.93	0.00	3.44	0.00				
7460	FRONT PUSHER CUSHION		10,013	2.14	2.70	0.59	1.19	0.00	1.40	0.00				
7465	REAR PUSHER CUSHION		5,921	1.34	1.68	0.35	0.70	0.00	0.83	0.00				
7470	FRONT PUSH BLK FOR S/BLD		1,068	0.30	0.36	0.06	0.13	0.00	0.15	0.00				
JOHN DEERE														
7480	JD350C/6305	D.D. W/HYD BLADE 42 HP D	35,599	10.92	13.99	2.10	4.09	1.91	4.79	2.52				
7485	JD450C/6405	D.D. W/HYD BLADE 65 HP D	50,221	15.76	20.20	2.97	5.77	2.96	6.76	3.90				
7490	JD550/6405	P.S. W/HYD BLADE 72 HP D	59,919	18.47	23.65	3.55	6.89	3.28	8.06	4.32				
7495	JD750 LPG	H.S. W/STR BLADE 110 HP D	111,040	32.78	41.90	6.57	12.77	5.01	14.94	6.59				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	AVERAGE	SEVERE	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	
	TRACTOR, CRAWLER (DOZER) (CONT'D) *****									
	JOHN DEERE (CONT'D)									
7500	JD850 LPG H.S. W/STR BLADE 145 HP D	146,644	43.29	55.33	8.67	16.87	6.60	19.73	8.69	449
	KOMATSU									
7510	D31A-17 H.S. 66 HP D	42,254	13.96	17.92	2.50	4.86	3.00	5.69	3.96	132
7515	ANGLE TILTDOZER BLADE	6,822	1.45	1.83	0.41	0.81	0.00	0.95	0.00	20
7520	D45A-1 H.S. 90 HP D	63,436	20.41	26.16	3.75	7.30	4.10	8.54	5.39	200
7525	ANGLE TILTDOZER BLADE	5,044	1.09	1.36	0.30	0.60	0.00	0.70	0.00	24
7530	D53A-16A H.S. 118 HP D	91,800	28.78	36.85	5.43	10.56	5.37	12.35	7.07	246
7535	ANGLE TILTDOZER BLADE	8,436	1.78	2.26	0.50	1.00	0.00	1.18	0.00	42
7540	D65E-6 H.S. 155 HP D	129,387	39.85	51.02	7.65	14.88	7.05	17.41	9.29	377
7545	ANGLE TILTDOZER BLADE	11,121	2.34	2.96	0.66	1.33	0.00	1.56	0.00	61
7550	D85A-18 H.S. 220 HP D	162,643	51.66	66.19	9.62	18.71	10.01	21.88	13.19	437
7555	ANGLE TILTDOZER BLADE	17,465	3.67	4.64	1.04	2.08	0.00	2.44	0.00	99
7560	U-DOZER BLADE	18,607	3.92	4.96	1.10	2.21	0.00	2.60	0.00	104
7565	D155A-1 H.S. 320 HP D	232,607	69.81	89.69	13.77	28.54	14.56	33.71	19.18	690
7570	ANGLE TILTDOZER BLADE	24,041	5.07	6.42	1.42	2.85	0.00	3.36	0.00	140
7575	U-DOZER BLADE	25,290	5.33	6.76	1.49	3.00	0.00	3.54	0.00	142
7580	D355A-3 H.S. 410 HP D	312,518	92.63	118.98	18.50	38.35	18.66	45.29	24.58	945
7585	U-DOZER BLADE	32,778	6.93	8.77	1.94	3.90	0.00	4.58	0.00	196
7590	STRAIGHT DOZER BLADE	29,940	6.33	8.00	1.78	3.56	0.00	4.18	0.00	184
7595	D455A-1 H.S. 620 HP D	550,751	139.07	173.19	30.27	59.43	28.22	67.58	37.16	1445
7600	FULL U-DOZER BLADE	74,687	15.58	19.75	4.42	8.88	0.00	10.43	0.00	229
7605	U-DOZER BLADE	70,122	14.60	18.54	4.15	8.33	0.00	9.80	0.00	211
7610	STRAIGHT DOZER BLADE	65,555	13.65	17.32	3.88	7.79	0.00	9.16	0.00	193

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT				
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL					
TRACTOR, CRAWLER (DOZER) (CONT'D) *****													
TEREX (GM)													
7620	D700A P.S. (W/O BLADE)	205 HP D	165,380	51.37	65.78	9.78	19.02	9.33	22.25	12.29	409		
7625	SEMI-U BLADE HYDRAULIC		16,610	3.46	4.39	0.98	1.97	0.00	2.32	0.00	58		
7630	ANGLE BLADE HYDRAULIC		18,670	3.88	4.93	1.10	2.22	0.00	2.61	0.00	69		
7635	FULL-U BLADE HYDRAULIC		19,069	3.97	5.04	1.13	2.27	0.00	2.67	0.00	68		
7640	D750 P.S. (W/O BLADE)	260 HP D	193,372	57.68	74.09	11.45	23.73	11.83	28.02	15.58	555		
7645	SEMI-U BLADE HYDRAULIC		23,638	4.90	6.22	1.40	2.81	0.00	3.30	0.00	91		
7650	ANGLE BLADE HYD. W/DUAL TILT		30,984	6.42	8.15	1.84	3.69	0.00	4.33	0.00	118		
7655	FULL-U BLADE HYDRAULIC		25,932	5.37	6.82	1.54	3.08	0.00	3.62	0.00	107		
7660	D800 P.S. (W/O BLADE)	350 HP D	258,342	77.22	99.19	15.29	31.70	15.93	37.43	20.98	787		
7665	SEMI-U BLADE HYDRAULIC		30,869	6.46	8.18	1.83	3.67	0.00	4.31	0.00	118		
7670	FULL-U BLADE HYDRAULIC		33,834	7.08	8.97	2.00	4.02	0.00	4.73	0.00	129		
7675	CUSHIONED PUSH BLADE		29,572	6.18	7.84	1.75	3.51	0.00	4.13	0.00	113		
7680	PUSH PLATE (WELD ON)		1,269	0.31	0.38	0.08	0.15	0.00	0.18	0.00	6		
7685	PUSH BLOCK (CUSHION REAR)		7,761	1.70	2.13	0.46	0.92	0.00	1.08	0.00	21		
TRACTOR, WHEEL TYPE (DOZER) *****													
CATERPILLAR													
7695	814-B ARTICULATED ST BLADE P.S.	210 HP D	164,292	43.48	57.07	9.56	18.83	8.86	22.08	11.65	494		
7700	824-C ARTICULATED ST BLADE P.S.	300 HP D	240,053	64.65	86.77	13.84	26.97	12.65	31.58	16.65	624		
7705	834-B ARTICULATED ST BLADE P.S.	450 HP D	344,183	91.90	122.59	19.71	38.15	18.98	44.62	24.97	892		
CLARK													
7715	280B ARTICULATED ST BLADE P.S.	302 HP D	262,377	69.09	92.53	15.14	29.55	12.74	34.60	16.76	749		
7720	380B ARTICULATED ST BLADE P.S.	572 HP D	443,982	118.36	158.31	25.38	49.03	24.13	57.33	31.75	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 OWNER-SHIP	COND. FUEL	SEVERE OWNER-SHIP	COND. FUEL		
			AVERAGE	SEVERE							
	TRACTOR, WHEEL TYPE (FARM) *****										
	JOHN DEERE										
7730	MOD 301 A	43 HP D	14,244	5.10	6.72	0.83	1.62	1.81	1.90	2.39	
7735	MOD 302	50 HP D	16,030	5.81	7.62	0.93	1.83	2.11	2.15	2.77	
7740	MOD 401 B	62 HP D	18,087	6.87	9.00	1.05	2.06	2.62	2.41	3.44	
	TRENCHER, CHAIN *****										
	DITCH WITCH										
7750	MOD C99 6"X24" TRENCH	9 HP G	3,367	1.76	2.28	0.19	0.38	0.80	0.45	1.04	
7755	MOD 2200 8"X36" TRENCH	18 HP G	13,787	5.06	6.51	0.81	1.61	1.59	1.90	2.07	
7760	MOD 2300 10"X36" TRENCH	28 HP G	19,034	7.33	9.43	1.12	2.23	2.48	2.62	3.23	
7765	MOD 6510 12"X54" TRENCH	64 HP D	35,490	11.26	14.47	2.09	4.14	2.70	4.85	3.55	
7770	MOD P100 10"X72" TRENCH	105 HP D	71,976	21.44	27.57	4.22	8.40	4.43	9.87	5.83	
	VERMEER										
7785	MOD V-430 10"X40" TRENCH	24 HP D	23,275	6.38	8.17	1.38	2.74	1.01	3.21	1.33	
7790	MOD M-455 18"X72" TRENCH	44 HP D	45,883	12.42	15.93	2.69	5.36	1.86	6.30	2.44	
7795	MOD M-475 18"X72" TRENCH	55 HP D	50,685	14.06	18.04	2.98	5.93	2.32	6.97	3.05	
7800	MOD T-600024"X96" TRENCH	113 HP D	81,176	23.75	30.49	4.80	9.62	4.77	11.31	6.27	
7805	MOD T-800B36"X96" TRENCH	175 HP D	158,886	44.00	56.39	9.40	18.84	7.38	22.14	9.71	
	TRENCHER, WHEEL TYPE *****										
	BARBER-GREENE										
7815	MOD TA 56 16"X5'-10" TRENCH	100 HP D	130,636	33.82	43.24	7.73	15.50	4.22	18.20	5.55	
7820	MOD TA 65 28"X7'-6" TRENCH	160 HP D	190,597	50.10	64.11	11.28	22.61	6.75	26.56	8.88	
7825	MOD TA 77 32"X8'-6" TRENCH	160 HP D	243,134	61.52	78.66	14.38	28.83	6.75	33.89	8.88	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRENCHER, WHEEL TYPE (CONT'D) *****														
CLEVELAND														
7835	MOD 236 17"X72" TRENCH	67 HP D	104,716	26.40	33.74	6.20	12.42	2.83	14.60	3.72	180			
7840	MOD 236HD 21"X72" TRENCH	67 HP D	114,068	28.43	36.33	6.75	13.53	2.83	15.90	3.72	200			
7845	MOD 246 25"X72" TRENCH	67 HP D	117,516	29.18	37.28	6.95	13.94	2.83	16.38	3.72	206			
7850	MOD 350 30"X90" TRENCH	150 HP D	221,558	56.28	71.96	13.10	26.27	6.33	30.88	8.32	455			
7855	MOD 400WHD36"X114" TRENCH	175 HP D	275,905	69.46	88.79	16.32	32.72	7.38	38.46	9.71	659			
TRUCKS, HIGHWAY ***** (CHASSIS ONLY)														
FORD														
7870	F150 4X2 1/2T PKUP	6100 GVW 157 HP G	7,968	6.47	8.43	0.57	1.27	3.16	1.47	4.21	38			
7875	F150 4X4 1/2T PKUP	6250 GVW 157 HP G	9,801	7.04	9.16	0.71	1.58	3.16	1.82	4.21	42			
7880	F250 4X2 3/4T PKUP	6900 GVW 157 HP G	8,472	6.67	8.66	0.61	1.34	3.16	1.55	4.21	40			
7885	F250 4X4 3/4T PKUP	7400 GVW 157 HP G	10,177	7.20	9.36	0.74	1.62	3.16	1.87	4.21	44			
7890	F350 2AX	10000 GVW 157 HP G	9,619	7.07	9.20	0.69	1.50	3.16	1.73	4.21	42			
7895	F600 2AX	18500 GVW 154 HP G	17,223	13.39	17.48	1.09	2.18	7.22	2.69	9.29	65			
7900	F600 2AX	18500 GVW 162 HP D	23,440	11.08	14.67	1.49	3.01	4.54	3.72	5.90	65			
7905	F700 2AX	24500 GVW 177 HP G	19,769	15.33	20.02	1.24	2.51	8.30	3.11	10.67	65			
7910	F700 2AX	24500 GVW 162 HP D	26,474	11.73	15.57	1.68	3.41	4.54	4.22	5.90	73			
7915	F800 2AX	27000 GVW 177 HP G	21,794	15.84	20.68	1.37	2.76	8.30	3.41	10.67	72			
7920	F800 2AX	27000 GVW 162 HP D	27,744	12.30	16.28	1.74	3.46	4.54	4.27	5.90	76			
7925	LT800 3AX	43000 GVW 223 HP G	33,963	28.63	37.43	2.15	4.47	15.54	5.56	20.02	110			
7930	LT8000 3AX	44800 GVW 175 HP D	46,200	20.38	27.08	2.93	6.12	7.35	7.61	9.55	126			
7935	LTS8000 3AX	46000 GVW 175 HP D	48,326	20.86	27.73	3.06	6.40	7.35	7.97	9.55	130			
7940	LNT8000 3AX	46000 GVW 175 HP D	45,709	20.28	26.93	2.90	6.04	7.35	7.51	9.55	124			
7945	CT8000 3AX	46000 GVW 175 HP D	53,152	21.95	29.20	3.38	7.08	7.35	8.80	9.55	136			
7950	LT9000 3AX 58000 GVW	82000 GCW 239 HP D	69,881	29.35	39.05	4.45	9.31	10.04	11.58	13.05	172			
7955	LTS9000 3AX 60000 GVW	82000 GCW 239 HP D	74,194	30.34	40.41	4.72	9.86	10.04	12.27	13.05	180			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
TRUCKS, HIGHWAY (CONT'D) ***** (CHASSIS ONLY)											
7960	LNT9000 3AX 60000 GVW 82000 GOW 239 HP D	70,447	29.51	39.27	4.47	9.34	10.04	11.62	13.05	175	
7965	CLT9000 3AX 82000 GVW 286 HP D	68,825	31.53	41.91	4.38	9.19	12.01	11.44	15.62	149	
GMC AND CHEVROLET											
7975	C10903 4X2 1/2T PKUP 6100 GVW 165 HP G	8,904	6.97	9.08	0.64	1.42	3.32	1.64	4.42	46	
7980	C10906 4X2 SUBURBAN 6800 GVW 160 HP G	11,267	7.56	9.78	0.82	1.82	3.22	2.09	4.29	52	
7985	K10906 4X4 SUBURBAN 7000 GVW 165 HP G	12,243	7.99	10.34	0.89	1.98	3.32	2.28	4.42	56	
7990	C20903 4X2 3/4T PKUP 8600 GVW 165 HP G	11,499	7.75	10.04	0.84	1.85	3.32	2.13	4.42	49	
7995	K20903 4X4 3/4T PKUP 6600 GVW 165 HP G	12,278	8.03	10.39	0.89	1.98	3.32	2.28	4.42	54	
8000	C30903 2AX 9000 GVW 160 HP G	11,513	7.71	10.00	0.83	1.81	3.22	2.09	4.29	62	
8005	C5D042 2AX 18500 GVW 161 HP G	15,869	13.52	17.61	1.00	2.00	7.55	2.46	9.71	5	
8010	C6D042 2AX 19200 GVW 161 HP G	17,209	13.82	18.00	1.09	2.18	7.55	2.68	9.71	63	
8015	C6D042 2AX 23160 GVW 165 HP D	24,119	11.32	15.01	1.53	3.10	4.62	3.83	6.01	73	
8020	C7D042 2AX 23160 GVW 179 HP G	18,449	15.24	19.85	1.16	2.32	8.40	2.86	10.79	78	
8025	C7D042 2AX 29900 GVW 225 HP D	35,782	16.12	21.39	2.26	4.58	6.30	5.66	8.19	96	
8030	C7D064 3AX 44860 GVW 207 HP G	32,822	27.08	35.37	2.06	4.24	14.42	5.26	18.58	123	
8035	C7D064 3AX 44500 GVW 205 HP D	39,079	20.46	27.07	2.46	5.11	8.61	6.34	11.19	127	
8040	J8C042 2AX 33200 GVW 235 HP D	44,154	22.98	30.45	2.82	5.90	9.87	7.34	12.83	107	
8045	J8C064 3AX 48860 GVW 210 HP D	49,972	23.16	30.76	3.17	6.62	8.82	8.23	11.47	140	
8050	J9C042 2AX 53911 GVW 230 HP D	48,989	19.27	25.64	3.11	6.30	6.44	7.79	8.37	122	
8055	J9C064 3AX 48860 GVW 300 HP D	57,853	29.76	39.45	3.68	7.71	12.60	9.60	16.38	144	
8060	N9E064 3AX 52000 GVW 307 HP D	59,752	30.67	40.61	3.79	7.91	12.89	9.83	16.76	141	
8065	N9E064 3AX 62000 GVW 307 HP D	69,997	33.09	43.91	4.44	9.27	12.89	11.53	16.76	180	
INTERNATIONAL											
8075	1654 2AX 16000 GVW 155 HP D	18,018	9.58	12.67	1.14	2.32	4.34	2.87	5.64	57	
8080	1724 2AX 16000 GVW 147 HP G	16,319	12.69	16.56	1.03	2.09	6.89	2.58	8.86	65	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	FUEL	SEVERE OWNER-SHIP	FUEL				
			AVERAGE	SEVERE									
TRUCKS, HIGHWAY (CONT'D) ***** (CHASSIS ONLY)													
8085	I754	2AX	16000	GW 165 HP D	23,118	11.03	14.64	1.47	2.99	4.62	3.71	6.01	71
8090	I954	2AX	21700	GW 180 HP D	29,343	12.99	17.25	1.86	3.79	5.04	4.70	6.55	100
8095	F2554	3AX	43000	GW 210 HP D	46,302	22.34	29.64	2.93	6.11	8.82	7.60	11.47	123
8100	F2574	3AX	50000	GW 230 HP D	60,583	26.60	35.39	3.86	8.09	9.66	10.07	12.56	123
8105	F4370	3AX	48860	GW 300 HP D	63,654	31.05	41.22	4.06	8.51	12.60	10.60	16.38	133
8110	F5050	3AX	54000	GW 210 HP D	62,119	25.87	34.46	3.96	8.30	8.82	10.33	11.47	138
8115	F5070	3AX	54000	GW 230 HP D	64,854	27.55	36.70	4.14	8.68	9.66	10.81	12.56	140
KENWORTH													
8125	K100	3AX	48000	GW 85000 GCW 300 HP D	68,072	32.07	42.60	4.34	9.11	12.60	11.34	16.38	138
8130	W900	3AX	48000	GW 85000 GCW 300 HP D	68,610	32.19	42.76	4.37	9.18	12.60	11.43	16.38	140
8135	C500	3AX	56000	GW 85000 GCW 270 HP D	73,662	31.72	42.22	4.71	9.89	11.34	12.32	14.74	144
PETERBILT													
8145	MOD 348	3AX	50000	GW 85000 GCW 245 HP D	75,134	30.93	41.23	4.79	10.03	10.29	12.48	13.38	121
8150	MOD 362	3AX	46000	GW 85000 GCW 300 HP D	66,348	31.69	42.09	4.23	8.87	12.60	11.05	16.38	131
8155	MOD 359	3AX	46000	GW 85000 GCW 300 HP D	64,106	31.19	41.39	4.08	8.56	12.60	10.65	16.38	134
8160	MOD 353	3AX	56000	GW 130000 GCW 350 HP D	71,917	35.63	47.27	4.60	9.65	14.70	12.01	19.11	174
TRUCK ACCESSORIES ***** (CHASIS NOT INCLUDED)													
CRANES, HYDRAULIC													
8170	5.3T@5'RAD		24000	GW MIN	26,796	6.41		1.74	3.73	0.00			79
8175	8.0T@3'RAD		26500	GW MIN	32,032	7.64		2.08	4.46	0.00			84
8180	12.5T@4'RAD		27000	GW MIN	49,796	11.83		3.24	6.94	0.00			142
8185	13.5T@4'RAD		44000	GW MIN	61,302	14.54		3.99	8.54	0.00			158
8190	15.0T@4'RAD		48000	GW MIN	68,399	16.22		4.46	9.54	0.00			211

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.			
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
	TRUCK ACCESSORIES (CONT'D) ***** (CHASIS NOT INCLUDED)										
	DUMP BODY, REAR, W/HOIST										
8200	5CY 24000 TO 26000 GVW	6,537	1.63	2.18	0.42	0.91	0.00	1.13	0.00	26	
8205	AIR GATE 8CY 27000 TO 30000 GVW	10,379	2.54	3.41	0.68	1.45	0.00	1.80	0.00	44	
8210	AIR GATE 10CY 36000 AND UP GVW	10,503	2.56	3.46	0.68	1.46	0.00	1.83	0.00	45	
8215	AIR GATE 12CY 36000 AND UP GVW	10,660	2.61	3.51	0.70	1.49	0.00	1.86	0.00	46	
	FLATBEDS W/CONT. SIDES										
8225	8'X9.5'	2,148	0.51		0.14	0.30	0.00			11	
8230	8'X10.5'	2,227	0.52		0.15	0.31	0.00			12	
8235	8'X12.5'	2,448	0.58		0.16	0.34	0.00			14	
8240	8'X14.5'	2,898	0.69		0.19	0.41	0.00			16	
8245	8'X16.5'	3,183	0.76		0.21	0.45	0.00			18	
8250	FLATBED-HOIST	2,905	0.69		0.19	0.41	0.00			10	
	HOISTS, ELECTRIC										
8260	1500LB@1.75'	2,403	0.66		0.16	0.34	0.00			4	
8265	2400LB@3'	2,816	0.75		0.18	0.39	0.00			6	
8270	5000LB@4'	7,755	1.92		0.50	1.08	0.00			15	
8275	6000LB@6'	8,702	2.14		0.57	1.21	0.00			14	
	TRANSIT MIXERS										
8285	7 CY 40000 - 50000 GVW RQD	27,503	6.61		1.79	3.83	0.00			63	
8290	8 CY 50000 - 70000 GVW RQD	27,962	6.72		1.82	3.90	0.00			66	
8295	8.5CY 55000 - 75000 GVW RQD	28,272	6.79		1.84	3.94	0.00			68	
8300	9 CY 61000 - 80000 GVW RQD	28,743	6.91		1.87	4.01	0.00			73	
	WATER TANKS										
8310	2000 GAL 23500-28000 GVW	12,364	2.91		0.81	1.72	0.00			35	
8315	2500 GAL 25000-34950 GVW	13,060	3.08		0.85	1.82	0.00			39	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.										
			AVERAGE	SEVERE													
TRUCK ACCESSORIES (CONT'D) ***** (CHASIS NOT INCLUDED)																	
WATER TANKS (CONT'D)																	
8320	3000 GAL 29000-40000 GW	13,922	3.28		0.91	1.94	0.00		44								
TRUCK TRAILERS *****																	
BOTTOM DUMP																	
8330	18CY 27T	27,869	5.62	7.08	1.60	3.21	0.00	3.78	0.00								
8335	20CY 30T	32,985	6.58	8.31	1.91	3.84	0.00	4.52	0.00								
8340	30CY 30T	33,600	6.70	8.45	1.94	3.92	0.00	4.60	0.00								
8345	28CY 42T	39,873	7.95	10.05	2.30	4.62	0.00	5.44	0.00								
8350	20CY 35T OFF-HIGHWAY	46,467	9.20	11.63	2.69	5.44	0.00	6.40	0.00								
8355	32CY 55T OFF-HIGHWAY	97,051	19.55	24.68	5.52	11.01	0.00	12.94	0.00								
8360	43CY 70T OFF-HIGHWAY	108,011	21.86	27.57	6.13	12.17	0.00	14.29	0.00								
END DUMP																	
8370	20CY 24T	36,726	7.29	9.21	2.13	4.30	0.00	5.06	0.00								
LOWBOY, RIGID NECK, DROP DECK																	
8380	25 TON 2 AXLE	21,809	3.93		1.25	2.25	0.00		89								
8385	30 TON 2 AXLE	24,106	4.35		1.38	2.49	0.00		94								
8390	35 TON 2 AXLE	26,400	4.77		1.52	2.73	0.00		109								
8395	35 TON 3 AXLE	30,527	5.55		1.75	3.14	0.00		134								
8400	40 TON 3 AXLE	31,928	5.82		1.82	3.26	0.00		144								
8405	50 TON 3 AXLE	36,676	6.65		2.10	3.76	0.00		161								
8410	60 TON 3 AXLE	39,843	7.28		2.26	4.04	0.00		188								
8415	70 TON 3 AXLE	48,155	8.65		2.76	4.96	0.00		213								
8420	75 TON 3 AXLE	49,776	8.91		2.84	5.13	0.00		228								
8425	80 TON 4 AXLE	56,798	10.17		3.26	5.89	0.00		266								
8430	90 TON 4 AXLE	61,368	10.99		3.51	6.34	0.00		297								

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

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

LOWBOY (CONT'D)													
8435	100 TON 4 AXLE	67,594	12.09		3.87	6.99	0.00			313			
8440	120 TON 4 AXLE	78,366	14.23		4.44	7.93	0.00			351			
8445	HELPER DOLLY 60 T TRAILER MAX	18,501	3.45		1.04	1.84	0.00			62			
PLATFORM TRAILERS													
8455	25 TON 2 AXLE	18,279	3.42		1.04	1.83	0.00			110			
PUP TRAILERS													
8465	8 CY LONG TONGUE	21,796	4.02		1.24	2.21	0.00			86			
8470	10CY LONG TONGUE	21,955	4.05		1.25	2.23	0.00			86			
TILT TRAILERS													
8480	12 TON 2 AXLE	11,851	2.24		0.67	1.19	0.00			61			
8485	16 TON 2 AXLE	13,488	2.56		0.76	1.34	0.00			65			
8490	20 TON 2 AXLE	14,613	2.77		0.82	1.45	0.00			67			
WATER TANKER TRAILERS													
8500	4000 GAL	63 HP D	33,043	8.47		1.81	3.38	2.66		120			
8505	5000 GAL	63 HP D	35,261	8.88		1.90	3.52	2.66		150			
8510	6000 GAL	63 HP D	36,881	9.14		2.00	3.70	2.66		160			
TRUCKS, OFF-HIGHWAY													

CATERPILLAR													
8520	769-C 35T 22-30 CY	P.S. 450 HP D	295,238	68.57	87.82	15.95	30.69	11.99	34.82	15.48			
8525	773-B 50T 30-45 CY	P.S. 650 HP D	413,825	98.25	126.64	22.26	42.65	17.32	48.37	22.37			
8530	777 85T 47-67 CY	P.S. 870 HP D	577,366	133.57	171.94	30.82	58.57	23.18	66.36	29.94			
8535	768C PRIME MOVER TRACTOR	P.S. 450 HP D	263,505	63.41	81.50	14.20	27.26	11.99	30.93	15.48			
8540	772B PRIME MOVER TRACTOR	P.S. 650 HP D	392,685	96.86	126.15	20.97	39.86	17.32	45.16	22.37			
										707			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE			FUEL	OWNER-SHIP	FUEL						
TRUCKS, OFF-HIGHWAY (CONT'D) *****															
DJB (ARTICULATED FRAME)															
8550	D275B	27.5T 15-20 CY	P.S. 235 HP D	194,466	42.53	54.14	10.47	20.08	6.26	22.78	8.09	424			
8555	D330B	33T 17-23 CY	P.S. 255 HP D	232,376	49.53	62.82	12.54	24.12	6.79	27.37	8.77	444			
8560	D350B	35T 20-26 CY	P.S. 255 HP D	242,721	53.06	68.19	12.96	24.61	6.79	27.88	8.77	472			
8565	D550	55T 32-43 CY	P.S. 450 HP D	405,210	88.83	113.85	21.68	41.29	11.99	46.79	15.48	834			
EUCLID															
8575	R25-215FD	25T 14-19 CY	P.S. 214 HP D	193,858	41.04	52.15	10.45	20.09	5.70	22.79	7.36	404			
8580	R35-302TD	35T 22-30 CY	P.S. 450 HP D	306,425	69.96	89.25	16.59	32.00	11.99	36.32	15.48	623			
8585	R50-301LD	50T 31-41 CY	P.S. 608 HP D	403,199	95.02	122.59	21.67	41.50	16.20	47.07	20.92	836			
8590	R75-301ND	75T 46-69 CY	P.S. 646 HP D	538,846	118.41	152.21	28.80	54.79	17.21	62.10	22.23	1123			
8595	R85-306ND	85T 52-67 CY	P.S. 755 HP D	555,486	125.90	162.27	29.62	56.21	20.11	63.68	25.98	1227			
INTERNATIONAL															
8605	350B	50T 31-42 CY	P.S. 580 HP D	390,270	90.73	116.81	21.11	40.70	15.45	46.19	19.96	740			
TEREX															
8615	33-03B	22T 15-18 CY	P.S. 215 HP D	171,840	38.26	49.00	9.28	17.86	5.73	20.27	7.40	400			
8620	33-05B	30T 19-23 CY	P.S. 321 HP D	246,810	55.46	71.10	13.32	25.62	8.55	29.07	11.05	525			
8625	33-07	40T 25-32 CY	P.S. 493 HP D	305,656	74.69	97.19	16.34	31.08	13.13	35.23	16.96	756			
8630	33-09	55T 34-44 CY	P.S. 624 HP D	412,177	99.08	128.84	22.04	41.96	16.62	47.55	21.47	992			
8635	33-11C	85T 51-65 CY	P.S. 840 HP D	579,727	132.87	171.02	30.95	58.82	22.38	66.65	28.90	1350			
WABCO															
8645	HAULPAK35D	35T 23-29 CY	P.S. 420 HP D	304,208	68.94	88.23	16.43	31.65	11.19	35.92	14.45	630			
8650	HAULPAK50B	50T 31-40 CY	P.S. 576 HP D	422,178	96.95	124.89	22.72	43.55	15.34	49.39	19.82	792			
8655	HAULPAK60B	60T 34-48 CY	P.S. 642 HP D	456,632	106.94	138.52	24.48	46.75	17.10	53.00	22.09	900			
8660	75C	75T 44-57 CY	P.S. 679 HP D	512,448	114.76	147.42	27.40	52.17	18.09	59.12	23.36	950			
8665	85D	85T 47-67 CY	P.S. 818 HP D	572,096	130.85	168.48	30.53	58.00	21.79	65.71	28.15	1240			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL					
			AVERAGE	SEVERE										
TRUCKS, WATER *****														
TRACTOR DRAWN - KLEIN														
8675	KT-50	5000 GAL. CAT 613B P.S. 150 HP D	137,172	30.99	38.17	7.45	13.35	6.33	15.01	8.32	320			
8680	KT-60	6000 GAL. CAT 621B P.S. 330 HP D	240,730	58.71	72.75	12.99	23.11	13.92	25.95	18.31	564			
8685	KT-80	8000 GAL. CAT 631D P.S. 450 HP D	329,357	80.56	99.88	17.74	31.45	18.98	35.30	24.97	740			
8690	KT-100	10000 GAL. CAT 631D P.S. 450 HP D	338,197	81.94	101.53	18.23	32.35	18.98	36.32	24.97	798			
8695	KT-100	10000 GAL. CAT 641B P.S. 550 HP D	380,678	95.07	118.07	20.47	36.20	23.20	40.63	30.52	931			
8700	KT-120	12000 GAL. CAT 651B P.S. 550 HP D	402,301	98.45	122.08	21.66	38.40	23.20	43.10	30.52	1097			
TRACTOR DRAWN - SOUTHWEST														
8710	STT-60	6000 GAL. CAT 621B P.S. 330 HP D	239,095	58.46	72.45	12.91	22.95	13.92	25.76	18.31	594			
8715	STT-80	8000 GAL. CAT 631D P.S. 450 HP D	328,019	80.35	99.64	17.66	31.31	18.98	35.15	24.97	800			
8720	STT-100	10000 GAL. CAT 631D P.S. 450 HP D	332,578	81.05	100.48	17.91	31.77	18.98	35.67	24.97	84			
8725	STT-120	12000 GAL. CAT 651B P.S. 550 HP D	405,402	98.94	122.66	21.84	38.72	23.20	43.46	30.52	1054			
8730	STT-140	14000 GAL. CAT 651B P.S. 550 HP D	411,686	99.93	123.83	22.19	39.36	23.20	44.18	30.52	1089			
WAGONS, BOTTOM DUMP *****														
CATERPILLAR-ATHEY														
8740	621B/PW621B	33T 22-26CY P.S. 330 HP D	254,475	64.09	83.09	13.64	26.03	13.92	29.51	18.31	579			
8745	768B/PW768C	63T 42-48CY P.S. 450 HP D	388,084	94.74	122.36	20.73	39.42	18.98	44.66	24.97	935			
8750	772B/PW772B	100T 60-67CY P.S. 650 HP D	617,306	152.06	199.92	32.72	61.71	27.42	69.86	36.07	1350			
EUCLID														
8760	B30-303TD301W	30T 21-27CY P.S. 277 HP D	231,060	57.29	74.35	12.34	23.45	11.68	26.58	15.37	483			
8765	B70-203LDT147W	70T 47-62CY P.S. 423 HP D	393,395	89.90	114.11	21.30	41.10	17.84	46.65	23.48	934			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
WAGONS, REAR DUMP *****																			
CATERPILLAR-ATHEY																			
8775	621B/PR621B	33T 22-26CY P.S. 330 HP D	266,739	66.19	85.72	14.29	27.29	13.92	30.95	18.31	630								
8780	631D/PR631D	40T 27-32CY P.S. 450 HP D	377,675	92.47	119.57	20.28	38.78	18.98	43.97	24.97	833								
WATER BLASTER *****																			
AMERICAN AERO																			
8790	WBD 90 10000 PSI @ 10 GPM W/2 NOZ	91 HP D TRAILER MOUNTED	33,808	19.92		2.53	5.85	5.66			42								
8795	WBDI50 10000 PSI @ 20 GPM W/2 NOZ	160 HP D TRAILER MOUNTED	51,291	31.97		3.84	8.89	9.95			70								
WATER TANKS *****																			
SKID MOUNTED																			
8805	WST-8	8000 GAL. SOUTHWEST	17,033	2.57		0.94	1.78	0.00			107								
8810	WST-10	10000 GAL. SOUTHWEST	19,801	3.00		1.10	2.08	0.00			122								
8815	WST-12	12000 GAL. SOUTHWEST	23,039	3.48		1.27	2.41	0.00			142								
PORTABLE (WITH WHEELS)																			
8825	EWT-8	8000 GAL. SOUTHWEST	8 HP G	29,873	5.48		1.64	3.06	0.71		130								
8830	EWT-10	10000 GAL. SOUTHWEST	8 HP G	34,159	6.11		1.87	3.50	0.71		170								
8835	EWT-12	12000 GAL. SOUTHWEST	8 HP G	37,830	6.66		2.07	3.88	0.71		185								
WELDERS *****																			
ELECTRIC DRIVE - AC 3 PHASE 60 HZ																			
8845	300 AMP	SKID MTD	20 HP E	2,480	2.14		0.16	0.33	1.28		7								
8850	400 AMP	SKID MTD	25 HP E	2,975	2.64		0.19	0.40	1.60		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	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
WELDERS (CONT'D)													

GASOLINE ENGINE DRIVE													
8860	200 AMP	W/1 AXLE TRLR	39 HP G	4,923	6.65		0.36	0.76	4.23	11			
8865	250 AMP	W/1 AXLE TRLR	39 HP G	5,270	6.74		0.38	0.81	4.23	17			
8870	300 AMP	W/1 AXLE TRLR	65 HP G	5,704	10.37		0.41	0.88	7.06	17			
8875	400 AMP	W/1 AXLE TRLR	69 HP G	7,252	11.35		0.52	1.13	7.49	21			
DIESEL ENGINE DRIVE													
8885	250 AMP	W/1 AXLE TRLR	27 HP D	6,805	3.69		0.49	1.06	1.41	21			
8890	300 AMP	W/1 AXLE TRLR	38 HP D	7,254	4.53		0.52	1.13	1.98	21			
8895	350 AMP	W/2 AXLE TRLR	38 HP D	8,180	4.80		0.59	1.26	1.98	25			
8900	400 AMP	W/2 AXLE TRLR	64 HP D	8,897	6.68		0.64	1.37	3.34	30			
MIG													
8910	300AMP W/WIRE FEED AND SHOP GEAR	10 HP E	2,491	1.30		0.16	0.33	0.64		5			
8915	450AMP W/WIRE FEED AND SHOP GEAR	20 HP E	2,560	2.16		0.17	0.35	1.28		5			
RECTIFIER													
8925	200 AMP	W/SHOP RUNNING GEAR	19 HP E	1,155	1.81		0.08	0.16	1.22	4			
8930	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,495	2.28		0.10	0.20	1.54	6			
8935	750 AMP	W/SHOP RUNNING GEAR	30 HP E	3,942	3.25		0.25	0.52	1.93	7			
8940	1000AMP	W/SHOP RUNNING GEAR	42 HP E	6,867	4.82		0.45	0.93	2.70	10			
TRANSFORMER-RECTIFIER													
8950	250 AMP	W/SHOP RUNNING GEAR	19 HP E	565	1.69		0.03	0.07	1.22	4			
8955	300 AMP	W/SHOP RUNNING GEAR	24 HP E	1,769	2.33		0.11	0.23	1.54	6			

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

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

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

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

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

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

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

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

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

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
15	AGGREGATE SPREADERS	1.03	1.01	1.00	1.02	0.95	0.87	0.79						
30	AIR COMPRESSORS	1.05	1.00	1.00	0.98	0.91	0.96	0.88						
45	AIR TOOLS, SANDBLASTERS, ETC	1.05	1.00	1.00										
60	ASPHALT DISTRIBUTORS	1.03	1.01	1.00	1.02	0.95	0.87	0.79						
65	ASPHALT AND CONCRETE PAVERS	1.03	1.01	1.00	1.02	0.95	0.87	0.79						
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.02	1.00	0.97	0.90								
BACKHOE (SEE KEY NO. 570-601)														
75	BROOMS	1.04	1.02	1.00	0.97	0.90	0.79	0.68						
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.97	0.90	0.80	0.69						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	1.02	0.96	0.86	0.71						
95	BUCKETS, CONCRETE	1.03	1.01	1.00	1.02	0.96	0.85	0.70						
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.97	0.90								
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.97	0.90								
125	CONCRETE FINISHERS & BUGGIES	1.05	1.02	1.00	0.97									
130	CONCRETE SAWS	1.04	1.02	1.00	0.97	0.90								
135	CONCRETE VIBRATORS	1.05	1.00	1.00										
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.05	1.00	0.98										
150	0 THRU 25 TON	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67					
165	OVER 25 TON THRU 50 TON	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.62	0.58			
170	OVER 50 TON THRU 150 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.58	0.53		
180	OVER 150 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.53	0.43	0.36
DRAGLINE & CLAMSHELL, CRAWLER														
185	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67					
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.62	0.58			
195	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.58	0.53		
196	OVER 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.53	0.43	0.36
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59			
205	CRANES, TOWER	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.61	0.57	0.51		
CRANES & HYD. EXC., TRK MTD														
210	UNDER 26 T. (THRU 1 CY)	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.54		
230	66 THRU 125 T	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.69	0.64	0.59	0.54	0.44	0.37
240	OVER 125 T	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.69	0.63	0.59	0.54	0.44	0.37
255	DRILL, AUGER	1.01	0.99	1.00	0.99	0.91	0.77	0.66						
270	DRILL, BLAST HOLE	1.01	0.99	1.00	0.99	0.91	0.77	0.66						
300	DRILL, CORE	1.01	0.99	1.00	0.99	0.91	0.77	0.66						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.01	0.99	1.00	0.99	0.91	0.78	0.68	0.62	0.56	0.54			
330	DRILL, ROTARY OVER 11" DIA.	1.01	0.99	1.00	0.99	0.91	0.79	0.68	0.63	0.57	0.55	0.52	0.45	0.41
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.01	0.99	1.00	0.99	0.91	0.79	0.68	0.63	0.57	0.55	0.52	0.45	0.41
375	FORK LIFTS	1.04	1.02	1.00	0.97	0.90	0.80	0.69						
390	GRADERS	1.05	1.03	1.00	0.97	0.88	0.79	0.70	0.64					
420	GENERATORS	1.05	1.03	1.00	0.97	0.95								
435	HOIST	1.04	1.02	1.00	0.97	0.90	0.80	0.69						
HYD. EXCAVATOR (SEE KEY NO. 570-601)														
440	LIGHT PLANTS	1.04	1.02	1.00	0.97	0.89								
450	LOADER, BELT	1.04	1.02	1.00	0.97	0.90	0.79	0.68						
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE	1.02	1.00	1.00	0.96	0.87	0.78	0.69						
LOADER, WHEEL TYPE														
465	0 THRU 225 HP	1.06	1.03	1.00	0.97	0.87	0.72	0.61						
470	OVER 225 HP	1.05	1.03	1.00	0.98	0.88	0.74	0.64	0.58					
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.06	1.03	1.00	0.97	0.87	0.72	0.62						

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

KEY NO.	TYPE OF EQUIPMENT	<u>YEAR PURCHASED NEW</u>											
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.02	1.00	0.97								
485	PIPELAYERS	1.02	1.00	1.00	0.96	0.86	0.77	0.67	0.58				
	PUMP, GROUT (SEE KEY NO. 105)												
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.97	0.90	0.79	0.68					
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.97	0.90	0.79	0.68					
510	RIPPERS	1.02	1.00	1.00	0.96	0.87							
525	ROLLERS, EXCEPT VIB. ROLLERS	1.08	1.05	1.00	0.90	0.83	0.75	0.67					
530	ROLLERS, VIBRATORY	1.08	1.06	1.00	0.90	0.83							
540	SCRAPERS, STANDARD	1.05	1.03	1.00	0.98	0.89	0.80	0.71					
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.05	1.03	1.00	0.98	0.89	0.80	0.71					
545	0 THRU 200 HP	1.05	1.03	1.00	0.97	0.88	0.80	0.70					
550	OVER 200 HP	1.05	1.03	1.00	0.98	0.89	0.80	0.71					
555	SCRAPERS, TRACTOR DRAWN	1.05	1.03	1.00	0.98	0.89	0.81	0.71	0.66				
560	SOIL STABILIZERS SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED	1.05	1.03	1.00	0.97	0.88	0.80	0.70					
570	0 THRU 1 CY	1.06	1.03	1.00	0.97	0.90							
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.73					
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.75	0.68				
600	OVER 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63			
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.58	0.53	
615	0 THRU 225 HP	1.02	1.00	1.00	0.96	0.86	0.77	0.68					
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.02	1.00	1.00	0.96	0.87	0.79	0.70					
625	OVER 425 HP	1.02	1.00	1.00	0.96	0.87	0.79	0.70	0.63				
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.02	1.00	1.00	0.96	0.87	0.78	0.69					
645	TRACTOR, WHEEL TYPE	1.06	1.03	1.00	0.99	0.90	0.80	0.69					
650	TRENCHER	1.04	1.02	1.00	0.93	0.81	0.69	0.59					
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.97	0.90	0.80	0.70					
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.05	1.02	1.00	0.97	0.89	0.78	0.66					
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING												
670	DUMP BODIES	1.04	1.02	1.00	0.97	0.90							
675	ALL OTHER ACCESSORIES TRUCK, HIGHWAY	1.04	1.02	1.00	0.97	0.90							
690	0 THRU 10,000 GVW	1.08	1.06	1.00	0.95								
695	OVER 10,000 THRU 30,000 GVW	1.08	1.06	1.00	0.95	0.88							
705	OVER 30,000 GVW	1.08	1.05	1.00	0.96	0.88							
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.98	0.89	0.77	0.66	0.60				
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.98	0.89	0.77	0.66	0.60				
780	WAGON, WATER	1.04	1.01	1.00	0.97	0.88	0.76	0.64	0.57				
785	WATER BLASTER	1.04	1.02	1.00	0.97								
795	WATER TANKS	1.04	1.02	1.00	0.97	0.90	0.80	0.70	0.62				
810	WELDERS	1.05	1.02	1.00	0.97								
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.97	0.89							



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

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

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

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

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
15	AGGREGATE SPREADERS	1.03	1.01	1.00	1.01	0.95	0.89	0.82						
30	AIR COMPRESSORS	1.05	1.00	1.00	0.98	0.92	0.96	0.90						
45	AIR TOOLS, SANDBLASTERS, ETC	1.05	1.00	1.00										
60	ASPHALT DISTRIBUTORS	1.03	1.01	1.00	1.01	0.95	0.89	0.82						
65	ASPHALT AND CONCRETE PAVERS	1.03	1.01	1.00	1.01	0.95	0.89	0.82						
70	ASPHALT KETTLES AND RECYCLERS BACKHOE (SEE KEY NO. 570-601)	1.04	1.02	1.00	0.98	0.91								
75	BROOMS	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	1.02	0.96	0.87	0.73						
95	BUCKETS, CONCRETE	1.03	1.01	1.00	1.02	0.96	0.87	0.73						
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.98	0.91								
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.98	0.91								
125	CONCRETE FINISHERS & BUGGIES	1.04	1.02	1.00	0.98									
130	CONCRETE SAWS	1.04	1.02	1.00	0.98	0.91								
135	CONCRETE VIBRATORS	1.05	1.00	1.00										
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.05	1.00	1.00	0.98									
150	0 THRU 25 TON	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71					
165	OVER 25 TON THRU 50 TON	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66	0.63			
170	OVER 50 TON THRU 150 TON	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.59		
180	OVER 150 TON DRAGLINE & CLAMSHELL,CRAWLER	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.64	0.59	0.50	0.44
185	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71					
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66	0.63			
195	OVER 2-1/2 CY THRU 5 CY	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.59		
196	OVER 5 CY	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.64	0.59	0.50	0.44
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66	0.63			
205	CRANES, TOWER CRANES & HYD. EXC., TRK MTD	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.73	0.68	0.64	0.60		
210	UNDER 26 T. (THRU 1 CY)	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66	0.62			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.03	1.00	0.98	0.92	0.85	0.78	0.71	0.67	0.63	0.58		
230	66 THRU 125 T	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.58	0.49	0.43
240	OVER 125 T	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.72	0.68	0.64	0.59	0.50	0.44
255	DRILL, AUGER	1.01	0.99	1.00	0.99	0.92	0.80	0.70						
270	DRILL, BLAST HOLE	1.01	0.99	1.00	0.99	0.92	0.80	0.70						
300	DRILL, CORE	1.01	0.99	1.00	0.99	0.92	0.80	0.70						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.01	0.99	1.00	0.99	0.92	0.81	0.71	0.67	0.61	0.59			
330	DRILL, ROTARY OVER 11" DIA.	1.01	0.99	1.00	0.99	0.92	0.81	0.72	0.68	0.62	0.60	0.58	0.52	0.47
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.01	0.99	1.00	0.99	0.92	0.81	0.72	0.68	0.62	0.60	0.58	0.52	0.47
375	FORK LIFTS	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
390	GRADERS	1.04	1.02	1.00	0.98	0.90	0.83	0.74	0.69					
420	GENERATORS	1.05	1.03	1.00	0.98	0.95								
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
440	LIGHT PLANTS	1.04	1.02	1.00	0.98	0.91								
450	LOADER, BELT	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE,CRAWLER TYPE LOADER, WHEEL TYPE	1.02	1.00	1.00	0.96	0.88	0.81	0.72	0.72					
465	0 THRU 225 HP	1.05	1.03	1.00	0.98	0.89	0.76	0.67						
470	OVER 225 HP	1.05	1.03	1.00	0.98	0.89	0.76	0.68	0.62					
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.05	1.03	1.00	0.98	0.89	0.76	0.67						

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.04	1.02	1.00	0.98									
485	PIPELAYERS	1.02	1.00	1.00	0.96	0.89	0.81	0.73	0.66					
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
510	RIPPERS	1.02	1.00	0.98	0.96	0.88								
525	ROLLERS, EXCEPT VIB. ROLLERS	1.07	1.05	1.00	0.92	0.85	0.78	0.71						
530	ROLLERS, VIBRATORY	1.07	1.05	1.00	0.91	0.85								
540	SCRAPERS, STANDARD	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
545	0 THRU 200 HP	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
550	OVER 200 HP	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
555	SCRAPERS, TRACTOR DRAWN	1.04	1.02	1.00	0.98	0.90	0.82	0.74	0.69					
560	SOIL STABILIZERS SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
570	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.91								
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77						
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.70					
600	OVER 5 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66				
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.59		
615	0 THRU 225 HP	1.02	1.00	1.00	0.96	0.88	0.81	0.72						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.02	1.00	1.00	0.96	0.88	0.81	0.72						
625	OVER 425 HP	1.02	1.00	1.00	0.96	0.88	0.81	0.73	0.66					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.02	1.00	1.00	0.96	0.88	0.81	0.72						
645	TRACTOR, WHEEL TYPE	1.05	1.03	1.00	0.99	0.92	0.82	0.72						
650	TRENCHER	1.04	1.02	1.00	0.94	0.83	0.72	0.64						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.04	1.02	1.00	0.98	0.91								
675	ALL OTHER ACCESSORIES	1.04	1.02	1.00	0.98	0.91								
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.07	1.05	1.00	0.96									
695	OVER 10,000 THRU 30,000 GVW	1.07	1.05	1.00	0.96	0.90								
705	OVER 30,000 GVW	1.07	1.05	1.00	0.96	0.90								
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.98	0.90	0.79	0.70	0.64					
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.98	0.90	0.79	0.70	0.64					
780	WAGON, WATER	1.03	1.01	1.00	0.98	0.90	0.80	0.70	0.64					
785	WATER BLASTER	1.04	1.02	1.00	0.98									
795	WATER TANKS	1.04	1.02	1.00	0.98	0.91	0.83	0.73	0.67					
810	WELDERS	1.04	1.02	1.00	0.98									
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.98	0.91								

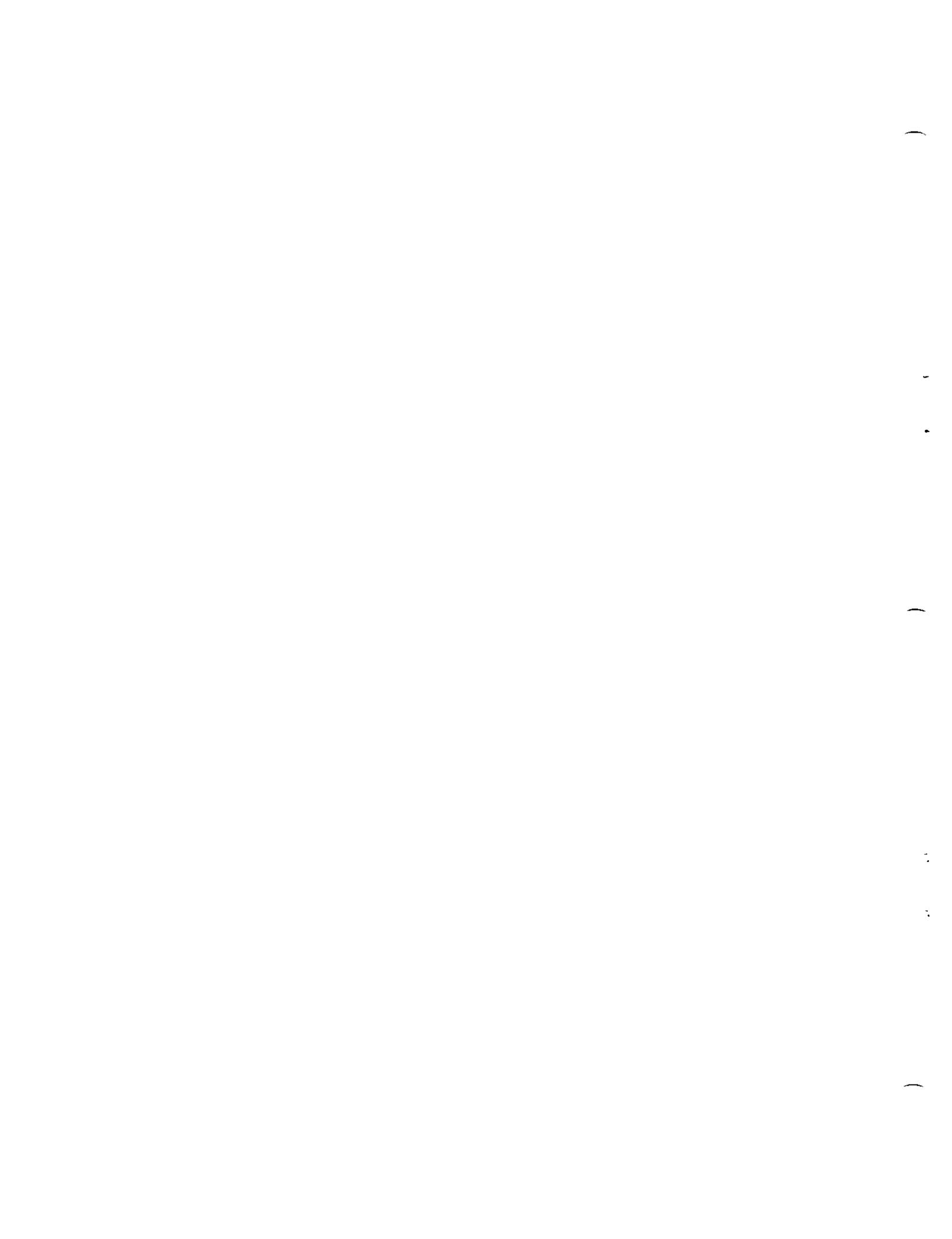


TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

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

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

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

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

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

TABLE 3-5. HOURLY RATE ELEMENT

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR
1010	4.52	2.29	12.57	3.02	0.21	0.03	4.37	27.01							
1015	5.04	2.55	4.66	1.12	0.21	0.03	4.88	18.49							
1030	0.83	0.46	4.42	1.42	0.02	0.00	0.88	8.03							
1035	1.00	0.56	1.39	0.39	0.02	0.00	1.06	4.42							
1040	1.02	0.57	6.19	1.98	0.02	0.00	1.08	10.86							
1045	1.09	0.60	2.15	0.60	0.02	0.00	1.14	5.60							
1050	1.11	0.62	6.19	1.98	0.02	0.00	1.17	11.09							
1055	1.26	0.70	2.28	0.64	0.02	0.00	1.33	6.23							
1060	1.15	0.64	6.19	1.98	0.02	0.00	1.21	11.19							
1065	1.36	0.75	2.91	0.81	0.02	0.00	1.43	7.28							
1070	2.04	1.13	3.71	1.04	0.03	0.00	2.14	10.09							
1075	2.49	1.41	5.15	1.44	0.12	0.02	2.64	13.27							
1080	3.24	1.82	6.41	1.80	0.12	0.02	3.42	16.83							
1085	3.88	2.18	7.93	2.22	0.14	0.02	4.09	20.46							
1090	4.53	2.53	9.62	2.69	0.14	0.02	4.78	24.31							
1095	5.14	2.87	10.97	3.07	0.14	0.02	5.42	27.63							
1100	5.65	3.15	11.39	3.19	0.14	0.02	5.95	29.49							
1105	6.35	3.54	12.40	3.47	0.14	0.02	6.69	32.61							
1110	7.58	4.21	16.87	4.72	0.14	0.02	7.98	41.52							
1115	8.55	4.76	19.23	5.39	0.18	0.03	9.01	47.15							
1130	0.31	0.07	0.00	0.06	0.00	0.00	0.64	1.08							
1135	0.55	0.13	0.00	0.06	0.00	0.00	1.16	1.90							
1140	0.56	0.13	0.00	0.06	0.00	0.00	1.18	1.93							
1145	0.62	0.14	0.00	0.13	0.00	0.00	1.30	2.19							
1150	0.83	0.19	0.00	0.13	0.00	0.00	1.75	2.90							
1155	2.36	0.55	0.00	0.27	0.05	0.01	4.99	8.23							
1160	2.87	0.69	0.00	0.40	0.12	0.02	6.09	10.19							
1165	3.52	0.84	0.00	0.50	0.12	0.02	7.47	12.47							
1175	0.18	0.04	0.00	0.06	0.00	0.00	0.38	0.66							
1180	0.40	0.09	0.00	0.11	0.00	0.00	0.83	1.43							
1185	0.19	0.04	0.00	0.06	0.00	0.00	0.39	0.68							
1190	0.20	0.05	0.00	0.06	0.00	0.00	0.42	0.73							
1195	0.22	0.05	0.00	0.06	0.00	0.00	0.46	0.79							
1200	0.72	0.17	0.00	0.13	0.00	0.00	1.52	2.54							
1210	0.39	0.09	0.00	0.15	0.00	0.00	1.37	2.00							
1215	0.25	0.06	0.00	0.13	0.00	0.00	0.88	1.32							
1220	0.23	0.05	0.00	0.10	0.00	0.00	0.79	1.17							
1225	0.21	0.05	0.00	0.08	0.00	0.00	0.72	1.06							
1230	0.16	0.04	0.00	0.06	0.00	0.00	0.57	0.83							
1240	2.27	1.12	3.98	1.27	0.00	0.00	2.66	11.30							
1245	2.33	1.15	3.98	1.27	0.00	0.00	2.72	11.45							
1250	2.50	1.24	3.98	1.27	0.00	0.00	2.92	11.91							
1255	2.82	1.39	3.98	1.27	0.00	0.00	3.29	12.75							
1265	7.17	3.62	2.95	0.83	0.32	0.05	8.91	23.85							
1270	11.25	5.74	4.01	1.12	0.79	0.12	14.02	37.05							
1275	12.55	6.37	5.48	1.54	0.79	0.12	15.62	42.47							
1280	15.31	7.58	5.48	1.54	0.00	0.00	18.97	48.88							
1290	3.64	1.87	0.93	0.26	0.32	0.05	4.54	11.61							
1295	5.75	2.92	2.36	0.66	0.32	0.05	7.16	19.22							
1300	8.03	4.07	2.45	0.69	0.44	0.07	9.99	25.74							
1305	9.91	5.07	3.67	1.03	0.79	0.12	12.36	32.95							
1310	11.59	5.94	3.71	1.04	0.96	0.14	14.46	37.84							
1315	15.30	7.85	6.62	1.85	1.32	0.20	19.09	52.23							
1320	11.26	5.58	3.21	0.90	0.00	0.00	13.95	34.90							
1325	13.48	6.67	4.64	1.30	0.00	0.00	16.69	42.78							

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
1335	0.38	0.16	0.00	0.99	0.02	0.00	0.42	1.97								
1340	0.44	0.18	0.00	1.09	0.02	0.00	0.49	2.22								
1350	1.03	0.43	0.71	1.80	0.02	0.00	1.15	5.14								
1360	0.49	0.27	0.00	0.18	0.02	0.00	0.59	1.55								
1365	0.64	0.36	1.86	0.45	0.02	0.00	0.76	4.09								
1370	0.22	0.12	0.00	0.18	0.00	0.00	0.26	0.78								
1375	0.34	0.19	0.00	0.12	0.00	0.00	0.40	1.05								
1385	0.97	0.48	9.25	2.96	0.00	0.00	1.21	14.87								
1390	1.04	0.53	9.25	2.96	0.04	0.01	1.30	15.13								
1400	0.90	0.41	0.00	0.00	0.00	0.00	0.82	2.13	1.13	0.42	0.00	0.00	0.00	0.00	1.17	2.72
1405	0.97	0.44	0.00	0.00	0.00	0.00	0.88	2.29	1.22	0.45	0.00	0.00	0.00	0.00	1.26	2.93
1410	1.41	0.64	0.00	0.00	0.00	0.00	1.28	3.33	1.77	0.65	0.00	0.00	0.00	0.00	1.82	4.24
1415	1.66	0.75	0.00	0.00	0.00	0.00	1.50	3.91	2.07	0.77	0.00	0.00	0.00	0.00	2.14	4.98
1420	2.14	0.96	0.00	0.00	0.00	0.00	1.93	5.03	2.67	0.99	0.00	0.00	0.00	0.00	2.76	6.42
1425	2.28	1.02	0.00	0.00	0.00	0.00	2.05	5.35	2.84	1.05	0.00	0.00	0.00	0.00	2.93	6.82
1430	2.48	1.11	0.00	0.00	0.00	0.00	2.24	5.83	3.10	1.14	0.00	0.00	0.00	0.00	3.19	7.43
1435	2.75	1.23	0.00	0.00	0.00	0.00	2.48	6.46	3.43	1.27	0.00	0.00	0.00	0.00	3.54	8.24
1440	2.99	1.34	0.00	0.00	0.00	0.00	2.69	7.02	3.73	1.38	0.00	0.00	0.00	0.00	3.85	8.96
1445	3.19	1.43	0.00	0.00	0.00	0.00	2.88	7.50	3.99	1.47	0.00	0.00	0.00	0.00	4.11	9.57
1450	3.53	1.59	0.00	0.00	0.00	0.00	3.18	8.30	4.41	1.63	0.00	0.00	0.00	0.00	4.55	10.59
1455	3.67	1.65	0.00	0.00	0.00	0.00	3.31	8.63	4.59	1.70	0.00	0.00	0.00	0.00	4.74	11.03
1460	3.79	1.70	0.00	0.00	0.00	0.00	3.42	8.91	4.73	1.75	0.00	0.00	0.00	0.00	4.88	11.36
1465	3.99	1.79	0.00	0.00	0.00	0.00	3.60	9.38	4.98	1.84	0.00	0.00	0.00	0.00	5.14	11.96
1470	4.15	1.86	0.00	0.00	0.00	0.00	3.74	9.75	5.18	1.91	0.00	0.00	0.00	0.00	5.34	12.43
1480	0.86	0.39	0.00	0.00	0.00	0.00	0.78	2.03	1.08	0.40	0.00	0.00	0.00	0.00	1.11	2.59
1485	1.20	0.54	0.00	0.00	0.00	0.00	1.08	2.82	1.50	0.55	0.00	0.00	0.00	0.00	1.54	3.59
1490	1.76	0.79	0.00	0.00	0.00	0.00	1.59	4.14	2.20	0.81	0.00	0.00	0.00	0.00	2.27	5.28
1495	1.91	0.86	0.00	0.00	0.00	0.00	1.72	4.49	2.39	0.88	0.00	0.00	0.00	0.00	2.46	5.73
1500	2.40	1.08	0.00	0.00	0.00	0.00	2.17	5.65	3.00	1.11	0.00	0.00	0.00	0.00	3.10	7.21
1505	2.65	1.19	0.00	0.00	0.00	0.00	2.39	6.23	3.31	1.22	0.00	0.00	0.00	0.00	3.41	7.94
1510	3.04	1.37	0.00	0.00	0.00	0.00	2.74	7.15	3.80	1.40	0.00	0.00	0.00	0.00	3.92	9.12
1515	3.28	1.48	0.00	0.00	0.00	0.00	2.96	7.72	4.10	1.52	0.00	0.00	0.00	0.00	4.23	9.85
1520	3.54	1.59	0.00	0.00	0.00	0.00	3.19	8.32	4.42	1.63	0.00	0.00	0.00	0.00	4.56	10.61
1525	3.80	1.71	0.00	0.00	0.00	0.00	3.43	8.94	4.75	1.75	0.00	0.00	0.00	0.00	4.90	11.40
1530	4.02	1.81	0.00	0.00	0.00	0.00	3.63	9.46	5.03	1.86	0.00	0.00	0.00	0.00	5.18	12.07
1535	4.23	1.90	0.00	0.00	0.00	0.00	3.82	9.95	5.29	1.96	0.00	0.00	0.00	0.00	5.46	12.71
1540	4.47	2.01	0.00	0.00	0.00	0.00	4.04	10.52	5.59	2.07	0.00	0.00	0.00	0.00	5.77	13.43
1545	4.67	2.10	0.00	0.00	0.00	0.00	4.22	10.99	5.84	2.16	0.00	0.00	0.00	0.00	6.02	14.02
1550	4.87	2.19	0.00	0.00	0.00	0.00	4.39	11.45	6.09	2.25	0.00	0.00	0.00	0.00	6.28	14.62
1560	1.36	0.61	0.00	0.00	0.00	0.00	1.23	3.20	1.70	0.63	0.00	0.00	0.00	0.00	1.75	4.08
1565	1.39	0.63	0.00	0.00	0.00	0.00	1.26	3.28	1.74	0.64	0.00	0.00	0.00	0.00	1.79	4.17
1570	2.01	0.91	0.00	0.00	0.00	0.00	1.82	4.74	2.52	0.93	0.00	0.00	0.00	0.00	2.60	6.05
1575	2.48	1.12	0.00	0.00	0.00	0.00	2.24	5.84	3.10	1.15	0.00	0.00	0.00	0.00	3.20	7.45
1580	2.80	1.26	0.00	0.00	0.00	0.00	2.52	6.58	3.50	1.29	0.00	0.00	0.00	0.00	3.61	8.40
1585	3.05	1.37	0.00	0.00	0.00	0.00	2.75	7.17	3.82	1.41	0.00	0.00	0.00	0.00	3.93	9.16
1590	3.30	1.48	0.00	0.00	0.00	0.00	2.98	7.76	4.13	1.52	0.00	0.00	0.00	0.00	4.26	9.91
1595	3.52	1.58	0.00	0.00	0.00	0.00	3.17	8.27	4.39	1.62	0.00	0.00	0.00	0.00	4.53	10.54
1600	3.67	1.65	0.00	0.00	0.00	0.00	3.31	8.63	4.59	1.70	0.00	0.00	0.00	0.00	4.73	11.02
1605	3.99	1.79	0.00	0.00	0.00	0.00	3.60	9.38	4.99	1.84	0.00	0.00	0.00	0.00	5.14	11.97
1610	4.24	1.91	0.00	0.00	0.00	0.00	3.83	9.98	5.31	1.96	0.00	0.00	0.00	0.00	5.47	12.74
1615	4.48	2.01	0.00	0.00	0.00	0.00	4.04	10.53	5.60	2.07	0.00	0.00	0.00	0.00	5.77	13.44
1620	4.74	2.13	0.00	0.00	0.00	0.00	4.27	11.14	5.92	2.19	0.00	0.00	0.00	0.00	6.10	14.21
1625	4.93	2.22	0.00	0.00	0.00	0.00	4.45	11.60	6.16	2.28	0.00	0.00	0.00	0.00	6.35	14.79
1630	5.18	2.33	0.00	0.00	0.00	0.00	4.67	12.18	6.47	2.39	0.00	0.00	0.00	0.00	6.67	15.53
1640	0.13	0.06	0.00	0.00	0.00	0.00	0.12	0.31								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1645	0.16	0.08	0.00	0.00	0.00	0.00	0.16	0.40								
1650	0.21	0.10	0.00	0.00	0.00	0.00	0.20	0.51								
1655	0.30	0.15	0.00	0.00	0.00	0.00	0.29	0.74								
1660	0.38	0.19	0.00	0.00	0.00	0.00	0.36	0.93								
1670	0.53	0.26	0.00	0.00	0.00	0.00	0.50	1.29								
1675	0.55	0.27	0.00	0.00	0.00	0.00	0.53	1.35								
1680	0.57	0.28	0.00	0.00	0.00	0.00	0.55	1.40								
1685	0.77	0.38	0.00	0.00	0.00	0.00	0.73	1.88								
1690	0.81	0.40	0.00	0.00	0.00	0.00	0.78	1.99								
1695	1.16	0.57	0.00	0.00	0.00	0.00	1.12	2.85								
1700	1.38	0.68	0.00	0.00	0.00	0.00	1.33	3.39								
1710	0.60	0.30	0.00	0.00	0.00	0.00	0.58	1.48								
1715	0.67	0.33	0.00	0.00	0.00	0.00	0.65	1.65								
1720	0.79	0.39	0.00	0.00	0.00	0.00	0.75	1.93								
1725	0.88	0.44	0.00	0.00	0.00	0.00	0.85	2.17								
1730	1.03	0.51	0.00	0.00	0.00	0.00	0.99	2.53								
1745	0.31	0.14	0.00	0.00	0.00	0.00	0.28	0.73	0.38	0.14	0.00	0.00	0.00	0.00	0.40	0.92
1750	0.36	0.16	0.00	0.00	0.00	0.00	0.33	0.85	0.46	0.17	0.00	0.00	0.00	0.00	0.47	1.10
1755	0.45	0.20	0.00	0.00	0.00	0.00	0.41	1.06	0.56	0.21	0.00	0.00	0.00	0.00	0.58	1.35
1760	0.53	0.24	0.00	0.00	0.00	0.00	0.48	1.25	0.67	0.25	0.00	0.00	0.00	0.00	0.69	1.61
1765	0.63	0.28	0.00	0.00	0.00	0.00	0.57	1.48	0.78	0.29	0.00	0.00	0.00	0.00	0.81	1.88
1770	0.77	0.35	0.00	0.00	0.00	0.00	0.70	1.82	0.97	0.36	0.00	0.00	0.00	0.00	1.00	2.33
1775	0.85	0.38	0.00	0.00	0.00	0.00	0.77	2.00	1.07	0.39	0.00	0.00	0.00	0.00	1.10	2.56
1780	1.05	0.47	0.00	0.00	0.00	0.00	0.94	2.46	1.31	0.48	0.00	0.00	0.00	0.00	1.35	3.14
1785	1.11	0.50	0.00	0.00	0.00	0.00	1.00	2.61	1.39	0.51	0.00	0.00	0.00	0.00	1.43	3.33
1790	1.34	0.60	0.00	0.00	0.00	0.00	1.21	3.15	1.68	0.62	0.00	0.00	0.00	0.00	1.73	4.03
1795	1.45	0.65	0.00	0.00	0.00	0.00	1.31	3.41	1.82	0.67	0.00	0.00	0.00	0.00	1.87	4.36
1800	1.59	0.72	0.00	0.00	0.00	0.00	1.44	3.75	1.99	0.74	0.00	0.00	0.00	0.00	2.05	4.78
1805	1.77	0.79	0.00	0.00	0.00	0.00	1.59	4.15	2.21	0.82	0.00	0.00	0.00	0.00	2.28	5.31
1810	2.04	0.92	0.00	0.00	0.00	0.00	1.84	4.80	2.55	0.94	0.00	0.00	0.00	0.00	2.63	6.12
1815	2.21	1.00	0.00	0.00	0.00	0.00	2.00	5.21	2.77	1.02	0.00	0.00	0.00	0.00	2.85	6.64
1820	2.71	1.22	0.00	0.00	0.00	0.00	2.45	6.38	3.39	1.25	0.00	0.00	0.00	0.00	3.50	8.14
1825	3.12	1.40	0.00	0.00	0.00	0.00	2.82	7.34	3.90	1.44	0.00	0.00	0.00	0.00	4.02	9.36
1835	0.36	0.16	0.00	0.00	0.00	0.00	0.32	0.84	0.45	0.16	0.00	0.00	0.00	0.00	0.46	1.07
1840	0.44	0.20	0.00	0.00	0.00	0.00	0.39	1.03	0.55	0.20	0.00	0.00	0.00	0.00	0.56	1.31
1845	0.54	0.24	0.00	0.00	0.00	0.00	0.49	1.27	0.68	0.25	0.00	0.00	0.00	0.00	0.70	1.63
1850	0.65	0.29	0.00	0.00	0.00	0.00	0.59	1.53	0.82	0.30	0.00	0.00	0.00	0.00	0.84	1.96
1855	0.75	0.34	0.00	0.00	0.00	0.00	0.68	1.77	0.94	0.35	0.00	0.00	0.00	0.00	0.97	2.26
1860	0.90	0.40	0.00	0.00	0.00	0.00	0.81	2.11	1.12	0.42	0.00	0.00	0.00	0.00	1.16	2.70
1865	0.99	0.45	0.00	0.00	0.00	0.00	0.90	2.34	1.24	0.46	0.00	0.00	0.00	0.00	1.28	2.98
1870	1.20	0.54	0.00	0.00	0.00	0.00	1.08	2.82	1.50	0.55	0.00	0.00	0.00	0.00	1.55	3.60
1875	1.28	0.57	0.00	0.00	0.00	0.00	1.15	3.00	1.60	0.59	0.00	0.00	0.00	0.00	1.65	3.84
1880	1.64	0.74	0.00	0.00	0.00	0.00	1.48	3.86	2.05	0.76	0.00	0.00	0.00	0.00	2.11	4.92
1885	1.69	0.76	0.00	0.00	0.00	0.00	1.53	3.98	2.12	0.78	0.00	0.00	0.00	0.00	2.18	5.08
1890	1.94	0.87	0.00	0.00	0.00	0.00	1.75	4.56	2.42	0.89	0.00	0.00	0.00	0.00	2.49	5.80
1895	2.13	0.96	0.00	0.00	0.00	0.00	1.92	5.01	2.66	0.98	0.00	0.00	0.00	0.00	2.75	6.39
1900	2.55	1.15	0.00	0.00	0.00	0.00	2.31	6.01	3.19	1.18	0.00	0.00	0.00	0.00	3.29	7.66
1905	2.72	1.22	0.00	0.00	0.00	0.00	2.46	6.40	3.40	1.26	0.00	0.00	0.00	0.00	3.51	8.17
1910	3.47	1.56	0.00	0.00	0.00	0.00	3.13	8.16	4.33	1.60	0.00	0.00	0.00	0.00	4.47	10.40
1915	3.86	1.74	0.00	0.00	0.00	0.00	3.48	9.08	4.83	1.78	0.00	0.00	0.00	0.00	4.98	11.59
1925	1.43	0.64	0.00	0.00	0.00	0.00	1.29	3.36	1.79	0.66	0.00	0.00	0.00	0.00	1.84	4.29
1930	1.49	0.67	0.00	0.00	0.00	0.00	1.34	3.50	1.86	0.69	0.00	0.00	0.00	0.00	1.91	4.46
1935	1.66	0.75	0.00	0.00	0.00	0.00	1.50	3.91	2.08	0.77	0.00	0.00	0.00	0.00	2.14	4.99
1940	2.23	1.00	0.00	0.00	0.00	0.00	2.01	5.24	2.78	1.03	0.00	0.00	0.00	0.00	2.87	6.68
1945	2.49	1.12	0.00	0.00	0.00	0.00	2.25	5.86	3.11	1.15	0.00	0.00	0.00	0.00	3.21	7.47

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE		
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR		
1950	2.57	1.16	0.00	0.00	0.00	0.00	2.32	6.05	3.22	1.19	0.00	0.00	0.00	0.00	3.32	7.73	
1955	2.75	1.24	0.00	0.00	0.00	0.00	2.49	6.48	3.44	1.27	0.00	0.00	0.00	0.00	3.55	8.26	
1960	3.50	1.58	0.00	0.00	0.00	0.00	3.16	8.24	4.38	1.62	0.00	0.00	0.00	0.00	4.52	10.52	
1965	3.60	1.62	0.00	0.00	0.00	0.00	3.25	8.47	4.51	1.66	0.00	0.00	0.00	0.00	4.65	10.82	
1970	4.59	2.06	0.00	0.00	0.00	0.00	4.14	10.79	5.74	2.12	0.00	0.00	0.00	0.00	5.92	13.78	
1975	4.74	2.13	0.00	0.00	0.00	0.00	4.28	11.15	5.93	2.19	0.00	0.00	0.00	0.00	6.11	14.23	
1980	5.64	2.54	0.00	0.00	0.00	0.00	5.09	13.27	7.05	2.60	0.00	0.00	0.00	0.00	7.27	16.92	
1985	5.95	2.67	0.00	0.00	0.00	0.00	5.37	13.99	7.43	2.75	0.00	0.00	0.00	0.00	7.67	17.85	
1995	0.83	0.37	0.00	0.00	0.00	0.00	0.75	1.95	1.03	0.38	0.00	0.00	0.00	0.00	1.07	2.48	
2000	1.06	0.48	0.00	0.00	0.00	0.00	0.96	2.50	1.33	0.49	0.00	0.00	0.00	0.00	1.37	3.19	
2005	1.45	0.65	0.00	0.00	0.00	0.00	1.31	3.41	1.81	0.67	0.00	0.00	0.00	0.00	1.87	4.35	
2010	1.92	0.86	0.00	0.00	0.00	0.00	1.73	4.51	2.40	0.89	0.00	0.00	0.00	0.00	2.48	5.77	
2015	2.87	1.29	0.00	0.00	0.00	0.00	2.59	6.75	3.58	1.32	0.00	0.00	0.00	0.00	3.70	8.60	
2020	3.27	1.47	0.00	0.00	0.00	0.00	2.95	7.69	4.09	1.51	0.00	0.00	0.00	0.00	4.22	9.82	
2025	3.96	1.78	0.00	0.00	0.00	0.00	3.58	9.32	4.95	1.83	0.00	0.00	0.00	0.00	5.11	11.89	
2030	4.82	2.17	0.00	0.00	0.00	0.00	4.35	11.34	6.03	2.23	0.00	0.00	0.00	0.00	6.22	14.48	
2035	5.85	2.63	0.00	0.00	0.00	0.00	5.28	13.76	7.31	2.70	0.00	0.00	0.00	0.00	7.54	17.55	
2040	6.80	3.06	0.00	0.00	0.00	0.00	6.13	15.99	8.50	3.14	0.00	0.00	0.00	0.00	8.76	20.40	
2055	0.22	0.07	0.37	0.09	0.00	0.00	0.37	1.12	0.18	0.06	0.37	0.09	0.00	0.00	1.00		
2060	0.24	0.08	0.61	0.15	0.00	0.00	0.40	1.48	0.31	0.10	0.61	0.15	0.00	0.52	1.69		
2065	0.40	0.13	0.73	0.18	0.00	0.00	0.67	2.11	0.16	0.05	0.37	0.09	0.00	0.26	0.93		
2070	0.25	0.08	0.85	0.20	0.00	0.00	0.41	1.79	0.71	0.23	0.29	0.07	0.00	1.19	2.49		
2075	0.23	0.07	0.49	0.12	0.00	0.00	0.39	1.30	0.29	0.09	0.49	0.12	0.00	0.49	1.48		
2090	0.20	0.06	0.49	0.12	0.00	0.00	0.34	1.21	0.42	0.13	0.29	0.07	0.00	0.70	1.61		
2100	0.71	0.23	0.29	0.07	0.00	0.00	1.19	2.49	0.71	0.23	0.29	0.07	0.00	1.19	2.49		
2110	1.24	0.39	0.29	0.07	0.00	0.00	2.08	4.07	0.96	0.31	0.29	0.07	0.00	1.62	3.25		
2115	1.19	0.38	0.24	0.06	0.00	0.00	2.01	3.88	1.66	0.53	0.47	0.11	0.00	2.80	5.57		
2120	2.07	0.66	0.76	0.18	0.00	0.00	3.49	7.16	2.135	0.46	0.15	1.10	0.26	0.00	0.78	2.75	
2125	0.48	0.15	0.41	0.10	0.00	0.00	0.81	1.95	0.78	0.25	0.59	0.14	0.00	1.31	3.07		
2130	1.59	0.51	0.59	0.14	0.00	0.00	2.67	5.50	1.54	0.49	0.47	0.11	0.00	2.59	5.20		
2135	1.74	0.55	0.47	0.11	0.00	0.00	2.92	5.79	0.18	0.06	0.67	0.21	0.00	0.21	1.33		
2140	0.22	0.08	0.48	0.15	0.00	0.00	0.26	1.19	0.71	0.25	1.52	0.49	0.00	0.84	3.81		
2145	0.71	0.25	1.52	0.49	0.00	0.00	1.09	4.34	2.200	0.07	0.03	0.07	0.04	0.02	0.09	0.32	
2150	0.25	0.09	0.67	0.21	0.00	0.00	0.30	1.54	2.205	0.07	0.03	0.07	0.04	0.02	0.09	0.32	
2155	1.06	0.32	1.52	0.49	0.00	0.00	1.09	4.34	2.210	0.25	0.09	0.67	0.21	0.00	0.30	1.54	
2160	10.60	5.25	5.99	1.68	0.00	0.00	13.13	36.65	2.215	0.20	0.07	0.67	0.21	0.02	0.24	1.41	
2165	18.69	9.25	8.77	2.46	0.00	0.00	23.15	62.32	2.220	2.47	1.02	0.75	0.21	0.06	0.01	3.10	7.62
2170	32.83	16.25	10.54	2.95	0.00	0.00	40.66	103.23	2.225	9.66	4.78	4.22	1.18	0.00	11.96	31.80	
2175	2.19	1.10	5.75	1.84	0.04	0.01	2.72	13.65	2.230	18.69	9.25	8.77	2.46	0.00	23.15		
2180	9.66	4.78	4.22	1.18	0.00	0.00	11.96	31.80	2.235	2.19	1.10	5.75	1.84	0.04	2.72		
2185	2.47	1.02	0.75	0.21	0.06	0.01	3.10	7.62	2.240	9.66	4.78	4.22	1.18	0.00	11.96		

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	TOTAL RATE	
2265	2.84	1.17	1.24	0.35	0.04	0.01	3.56	9.21								
2270	0.79	0.33	0.00	0.19	0.04	0.01	1.00	2.36								
2275	1.59	0.66	0.00	0.31	0.04	0.01	1.99	4.60								
2285	4.41	1.80	3.85	1.08	0.02	0.00	5.51	16.67								
2295	5.67	2.31	6.22	1.74	0.02	0.00	7.08	23.04								
2300	14.28	5.86	16.46	4.61	0.23	0.03	17.87	59.34								
2310	4.49	1.83	4.16	1.17	0.02	0.00	5.61	17.28								
2315	6.95	2.86	9.45	2.65	0.12	0.02	8.70	30.75								
2320	7.14	2.94	9.45	2.65	0.12	0.02	8.94	31.26								
2325	9.52	3.89	11.00	3.08	0.06	0.01	11.91	39.47								
2330	12.22	4.98	18.65	5.22	0.06	0.01	15.27	56.41								
2335	14.92	6.19	13.72	3.84	0.58	0.09	18.71	58.05								
2340	21.70	8.95	13.72	3.84	0.60	0.09	27.18	76.08								
2345	27.11	11.19	18.74	5.25	0.79	0.12	33.96	97.16								
2355	0.17	0.07	0.98	0.31	0.00	0.00	0.21	1.74								
2360	0.19	0.08	1.46	0.47	0.00	0.00	0.24	2.44								
2365	0.19	0.08	1.71	0.55	0.00	0.00	0.24	2.77								
2370	0.41	0.17	1.71	0.55	0.00	0.00	0.52	3.36								
2375	0.52	0.21	2.19	0.70	0.00	0.00	0.65	4.27								
2380	0.53	0.22	2.80	0.90	0.00	0.00	0.66	5.11								
2385	0.85	0.35	3.66	1.17	0.00	0.00	1.06	7.09								
2390	1.14	0.46	7.93	2.54	0.00	0.00	1.43	13.50								
2400	13.33	7.84	3.10	0.99	0.00	0.00	13.10	38.36	16.00	7.97	3.92	1.26	0.00	0.00	17.97	47.12
2405	14.75	10.66	3.80	0.76	0.00	0.00	16.56	46.53	17.01	10.77	4.81	0.96	0.00	0.00	21.50	55.05
2410	14.83	10.72	3.04	0.61	0.00	0.00	13.53	42.73	17.11	10.83	3.92	0.78	0.00	0.00	16.82	49.46
2420	16.21	11.72	3.04	0.61	0.00	0.00	14.80	46.38	18.71	11.84	3.92	0.78	0.00	0.00	18.39	53.64
2430	17.08	12.35	3.04	0.61	0.00	0.00	15.59	48.67	19.71	12.48	3.92	0.78	0.00	0.00	19.38	56.27
2440	20.26	14.65	5.59	1.12	0.00	0.00	22.76	64.38	23.38	14.80	7.09	1.42	0.00	0.00	29.54	76.23
2445	19.84	14.34	4.48	0.90	0.00	0.00	18.11	57.67	22.89	14.49	5.78	1.16	0.00	0.00	22.50	66.82
2455	17.56	15.06	4.48	0.98	0.00	0.00	18.49	56.57	19.75	15.17	5.78	1.27	0.00	0.00	22.19	64.16
2465	21.78	18.68	4.48	0.98	0.00	0.00	22.93	68.85	24.50	18.81	5.78	1.27	0.00	0.00	27.52	77.88
2475	28.71	24.63	7.65	1.68	0.00	0.00	30.24	92.91	32.30	24.81	9.88	2.17	0.00	0.00	36.29	105.45
2485	30.49	26.15	7.65	1.68	0.00	0.00	32.10	98.07	34.30	26.34	9.88	2.17	0.00	0.00	38.53	111.22
2490	28.92	24.81	9.56	2.10	0.00	0.00	36.55	101.94	32.54	24.99	12.11	2.66	0.00	0.00	45.69	117.99
2500	33.57	28.80	7.65	1.68	0.00	0.00	35.35	107.05	37.77	29.00	9.88	2.17	0.00	0.00	42.42	121.24
2510	31.76	30.11	7.65	1.83	0.00	0.00	37.91	109.26	35.29	30.28	9.88	2.37	0.00	0.00	44.60	122.42
2520	34.04	32.26	7.65	1.83	0.00	0.00	40.62	116.40	37.82	32.45	9.88	2.37	0.00	0.00	47.79	130.31
2535	14.09	8.28	3.83	1.23	0.00	0.00	13.85	41.28	16.90	8.42	4.85	1.55	0.00	0.00	18.99	50.71
2540	11.51	8.32	3.06	0.61	0.00	0.00	10.51	34.01	13.28	8.41	3.96	0.79	0.00	0.00	13.06	39.50
2550	21.82	10.87	5.59	1.12	0.00	0.00	24.51	63.91	27.28	11.14	7.35	1.47	0.00	0.00	34.47	81.71
2555	16.18	11.70	4.80	0.96	0.00	0.00	18.18	51.82	18.67	11.82	6.07	1.21	0.00	0.00	23.59	61.36
2560	16.26	11.76	3.84	0.77	0.00	0.00	14.84	47.47	18.76	11.88	4.96	0.99	0.00	0.00	18.44	55.03
2570	31.15	15.52	6.92	1.38	0.00	0.00	35.00	89.97	38.94	15.90	9.09	1.82	0.00	0.00	49.21	114.96
2575	21.24	15.36	5.93	1.19	0.00	0.00	23.86	67.58	24.51	15.51	7.51	1.50	0.00	0.00	30.97	80.00
2585	39.57	21.08	7.96	1.75	0.00	0.00	46.90	117.26	47.48	21.46	10.47	2.30	0.00	0.00	62.53	144.24
2590	37.89	20.19	7.96	1.75	0.00	0.00	44.91	112.70	45.47	20.55	10.47	2.30	0.00	0.00	59.89	138.68
2595	24.41	20.94	6.83	1.50	0.00	0.00	30.84	84.52	27.46	21.09	8.65	1.90	0.00	0.00	38.55	97.65
2600	23.89	20.50	5.46	1.20	0.00	0.00	25.16	76.21	26.87	20.64	7.05	1.55	0.00	0.00	30.19	86.30
2610	30.12	25.84	6.47	1.42	0.00	0.00	31.72	95.57	33.88	26.02	8.36	1.84	0.00	0.00	38.06	108.16
2615	28.77	24.68	8.09	1.78	0.00	0.00	36.35	99.67	32.36	24.85	10.25	2.25	0.00	0.00	45.44	115.15
2625	47.66	25.39	9.56	2.10	0.00	0.00	56.49	141.20	57.19	25.85	12.56	2.76	0.00	0.00	75.32	173.68
2630	45.09	24.02	9.56	2.10	0.00	0.00	53.44	134.21	54.11	24.46	12.56	2.76	0.00	0.00	71.26	165.15
2635	26.71	22.91	8.19	1.80	0.00	0.00	33.75	93.36	30.05	23.08	10.38	2.28	0.00	0.00	42.19	107.98
2645	57.91	35.52	14.18	3.40	0.00	0.00	83.89	194.90	67.56	35.99	18.64	4.47	0.00	0.00	106.77	233.43
2650	31.27	29.64	12.15	2.92	0.00	0.00	43.91	119.89	34.75	29.81	15.40	3.69	0.00	0.00	53.67	137.32

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	REPR	TOTAL RATE	
2665	10.85	7.85	2.93	0.59	0.00	0.00	9.91	32.13	12.52	7.93	3.79	0.76	0.00	0.00	12.31	37.31	
2675	14.45	12.39	4.40	0.97	0.00	0.00	15.21	47.42	16.25	12.48	5.68	1.25	0.00	0.00	18.26	53.92	
2685	20.14	17.28	4.53	1.00	0.00	0.00	21.21	64.16	22.65	17.40	5.85	1.29	0.00	0.00	25.45	72.64	
2695	30.62	26.27	6.53	1.44	0.00	0.00	32.25	97.11	34.45	26.46	8.43	1.85	0.00	0.00	38.70	109.89	
2710	20.36	17.47	9.56	2.10	0.00	0.00	25.73	75.22	22.91	17.59	12.11	2.66	0.00	0.00	32.16	87.43	
2715	21.98	18.86	7.65	1.68	0.00	0.00	23.15	73.32	24.72	18.99	9.88	2.17	0.00	0.00	27.77	83.53	
2725	25.85	22.17	9.99	2.20	0.00	0.00	32.66	92.87	29.08	22.33	12.65	2.78	0.00	0.00	40.83	107.67	
2730	26.18	22.47	7.99	1.76	0.00	0.00	27.58	85.98	29.46	22.62	10.32	2.27	0.00	0.00	33.09	97.76	
2740	34.43	29.54	11.99	2.64	0.00	0.00	43.51	122.11	38.73	29.75	15.18	3.34	0.00	0.00	54.39	141.39	
2745	31.40	29.77	9.59	2.30	0.00	0.00	37.48	110.54	34.89	29.93	12.39	2.97	0.00	0.00	44.09	124.27	
2755	48.69	46.15	18.25	4.38	0.00	0.00	58.11	175.58	54.10	46.41	23.57	5.66	0.00	0.00	68.36	198.10	
2760	49.43	46.85	22.81	5.47	0.00	0.00	69.41	193.97	54.92	47.12	28.89	6.93	0.00	0.00	84.83	222.69	
2775	15.09	10.91	7.93	1.59	0.00	0.00	16.95	52.47	17.41	11.02	10.04	2.01	0.00	0.00	22.00	62.48	
2780	14.92	10.79	6.34	1.27	0.00	0.00	13.62	46.94	17.22	10.90	8.19	1.64	0.00	0.00	16.92	54.87	
2790	38.14	19.00	10.22	2.04	0.00	0.00	42.84	112.24	47.67	19.46	13.43	2.69	0.00	0.00	60.25	143.50	
2795	21.60	15.62	8.76	1.75	0.00	0.00	24.26	71.99	24.92	15.78	11.09	2.22	0.00	0.00	31.49	85.50	
2800	21.38	15.46	7.01	1.40	0.00	0.00	19.51	64.76	24.67	15.62	9.05	1.81	0.00	0.00	24.25	75.40	
2810	21.10	18.10	8.76	1.93	0.00	0.00	26.66	76.55	23.74	18.23	11.09	2.44	0.00	0.00	33.33	88.83	
2815	20.91	17.94	7.01	1.54	0.00	0.00	22.02	69.42	23.53	18.07	9.05	1.99	0.00	0.00	26.43	79.07	
2825	55.88	29.77	13.91	3.06	0.00	0.00	66.24	168.86	67.06	30.31	18.28	4.02	0.00	0.00	88.31	207.98	
2830	31.36	26.90	11.92	2.62	0.00	0.00	39.63	112.43	35.28	27.09	15.10	3.32	0.00	0.00	49.54	130.33	
2835	32.41	27.81	9.54	2.10	0.00	0.00	34.13	105.99	36.46	28.00	12.32	2.71	0.00	0.00	40.96	120.45	
2845	28.91	27.41	15.18	3.64	0.00	0.00	40.60	115.74	32.13	27.56	19.23	4.62	0.00	0.00	49.62	133.16	
2850	33.32	28.59	12.15	2.67	0.00	0.00	35.09	111.82	37.49	28.79	15.69	3.45	0.00	0.00	42.11	127.53	
2865	16.53	11.95	4.66	0.93	0.00	0.00	18.57	52.64	19.08	12.08	5.91	1.18	0.00	0.00	24.11	62.36	
2870	14.09	12.09	3.73	0.82	0.00	0.00	14.84	45.57	15.86	12.18	4.82	1.06	0.00	0.00	17.81	51.73	
2880	20.70	14.97	6.59	1.32	0.00	0.00	23.26	66.84	23.89	15.12	8.35	1.67	0.00	0.00	30.19	79.22	
2885	17.74	15.22	5.27	1.16	0.00	0.00	18.69	58.08	19.96	15.33	6.81	1.50	0.00	0.00	22.42	66.02	
2890	20.84	17.88	7.86	1.73	0.00	0.00	26.34	74.65	23.45	18.01	9.95	2.19	0.00	0.00	32.92	86.52	
2895	21.60	18.53	6.29	1.38	0.00	0.00	22.74	70.54	24.30	18.66	8.12	1.79	0.00	0.00	27.29	80.16	
2900	58.25	55.22	10.07	2.42	0.00	0.00	69.53	195.49	64.73	55.53	13.01	3.12	0.00	0.00	81.80	218.19	
2910	5.80	4.19	4.72	1.42	0.89	0.13	5.38	22.53									
2915	6.23	4.48	4.85	1.46	0.89	0.13	5.77	23.81									
2920	6.92	5.03	4.85	1.46	1.21	0.18	6.43	26.08									
2925	7.60	5.50	4.85	1.46	1.25	0.19	7.05	27.90									
2930	10.11	7.29	6.58	1.97	1.09	0.16	9.38	36.58									
2935	13.85	10.10	7.17	2.15	2.66	0.40	12.87	49.20									
2940	16.39	12.02	7.17	2.15	3.49	0.52	15.25	56.99									
2945	20.36	14.82	8.77	2.63	3.76	0.56	18.91	69.81									
2950	26.06	19.09	9.70	2.91	5.53	0.83	24.23	88.35									
2955	49.48	36.00	21.60	6.48	9.11	1.37	45.96	170.00									
2965	6.04	4.29	4.81	1.44	0.54	0.08	5.59	22.79									
2970	6.45	4.58	5.10	1.53	0.54	0.08	5.97	24.25									
2975	9.76	7.08	7.59	2.28	1.70	0.25	9.06	37.72									
2985	6.07	4.31	5.27	1.58	0.54	0.08	5.62	23.47									
2990	6.25	4.43	5.27	1.58	0.54	0.08	5.78	23.93									
2995	6.47	4.59	5.27	1.58	0.54	0.08	5.98	24.51									
3000	7.29	5.23	5.27	1.58	0.93	0.14	6.76	27.20									
3005	9.27	6.67	6.54	1.96	1.27	0.19	8.60	34.50									
3010	9.55	6.86	6.54	1.96	1.27	0.19	8.85	35.22									
3015	9.88	7.09	6.54	1.96	1.27	0.19	9.16	36.09									
3020	12.98	9.49	8.52	2.56	2.66	0.40	12.06	48.67									
3025	13.45	9.82	8.52	2.56	2.66	0.40	12.50	49.91									
3030	13.96	10.18	8.52	2.56	2.66	0.40	12.97	51.25									
3035	17.88	13.09	9.91	2.97	3.76	0.56	16.62	64.79									

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR		
3045	5.43	3.85	4.98	1.49	0.44	0.07	5.02	21.28								
3050	5.56	3.96	4.98	1.49	0.54	0.08	5.14	21.75								
3055	5.84	4.15	4.98	1.49	0.54	0.08	5.40	22.48								
3060	6.66	4.79	4.98	1.49	0.93	0.14	6.18	25.17								
3065	14.76	10.73	7.93	2.38	2.66	0.40	13.71	52.57								
3075	9.61	7.61	7.25	1.88	0.76	0.11	7.62	34.84	10.81	7.67	9.27	2.41	0.92	0.14	9.28	40.50
3080	16.63	13.09	10.31	2.68	0.95	0.14	13.17	56.97	18.71	13.19	13.27	3.45	1.16	0.17	16.05	66.00
3090	11.03	7.32	7.25	2.61	0.51	0.08	7.28	36.08	12.73	7.41	9.55	3.44	0.62	0.09	9.24	43.08
3095	11.09	8.79	8.56	2.23	0.94	0.14	8.79	40.54	12.47	8.86	11.27	2.93	1.15	0.17	10.72	47.57
3100	13.82	10.91	8.98	2.34	0.95	0.14	10.95	48.09	15.54	11.00	11.82	3.07	1.16	0.17	13.35	56.11
3105	18.18	16.08	10.52	2.73	2.49	0.37	16.85	67.22	20.20	16.18	13.50	3.51	3.08	0.46	20.06	76.99
3110	28.21	24.66	10.91	2.84	2.49	0.37	26.09	95.57	31.34	24.81	13.96	3.63	3.08	0.46	31.06	108.34
3115	28.16	29.97	16.66	4.33	3.19	0.48	31.80	114.59	30.97	30.11	21.44	5.57	3.94	0.59	37.17	129.79
3125	10.90	7.25	9.11	3.28	0.61	0.09	7.20	38.44	12.57	7.34	11.99	4.32	0.75	0.11	9.13	46.21
3130	10.70	8.44	9.11	2.37	0.68	0.10	8.48	39.88	12.04	8.50	11.99	3.12	0.84	0.13	10.33	46.95
3135	13.01	10.26	10.29	2.68	0.81	0.12	10.31	47.48	14.64	10.34	13.54	3.52	0.99	0.15	12.56	55.74
3145	11.35	7.53	8.86	3.19	0.51	0.08	7.49	39.01	13.10	7.62	11.65	4.20	0.62	0.09	9.51	46.79
3150	11.98	9.47	10.29	2.68	0.90	0.13	9.49	44.94	13.47	9.55	13.54	3.52	1.10	0.17	11.57	52.92
3155	12.99	10.25	10.04	2.61	0.90	0.13	10.29	47.21	14.61	10.33	13.21	3.43	1.10	0.17	12.54	55.39
3160	18.71	16.54	15.40	4.00	2.49	0.37	17.34	74.85	20.79	16.64	20.26	5.27	3.08	0.46	20.64	87.14
3170	17.58	13.97	6.85	1.78	1.66	0.25	13.95	56.04	19.78	14.08	8.71	2.27	2.05	0.31	17.00	64.20
3175	16.33	14.32	6.85	1.78	1.66	0.25	15.11	56.30	18.15	14.41	8.71	2.27	2.05	0.31	17.99	63.89
3180	20.13	17.57	10.92	2.84	1.66	0.25	18.62	71.99	22.37	17.69	14.08	3.66	2.05	0.31	22.17	82.33
3185	22.97	20.10	11.92	3.10	2.11	0.32	21.25	81.77	25.52	20.22	15.25	3.97	2.61	0.39	25.30	93.26
3190	27.52	29.06	14.24	3.70	2.11	0.32	31.03	107.98	30.28	29.19	18.30	4.76	2.61	0.39	36.27	121.80
3195	36.68	39.20	15.89	4.13	4.86	0.73	41.46	142.95	40.35	39.38	20.34	5.29	6.00	0.90	48.45	160.71
3205	16.00	12.75	6.64	1.73	1.66	0.25	12.70	51.73	18.00	12.85	8.44	2.19	2.05	0.31	15.48	59.32
3210	22.09	19.29	9.63	2.50	1.85	0.28	20.43	76.07	24.55	19.41	12.27	3.19	2.29	0.34	24.32	86.37
3215	22.07	23.40	9.88	2.57	2.11	0.32	24.91	85.26	24.28	23.51	12.61	3.28	2.61	0.39	29.11	95.79
3225	16.66	14.60	8.43	2.19	1.66	0.25	15.41	59.20	18.51	14.69	10.77	2.80	2.05	0.31	18.35	67.48
3230	20.45	17.89	11.13	2.89	1.85	0.28	18.92	73.41	22.73	18.00	14.30	3.72	2.29	0.34	22.53	83.91
3235	21.26	22.56	11.72	3.05	2.12	0.32	23.99	85.02	23.38	22.67	15.05	3.91	2.59	0.39	28.04	96.03
3245	13.88	9.21	5.10	1.83	0.66	0.10	9.16	39.94	16.01	9.32	6.47	2.33	0.83	0.12	11.63	46.71
3250	12.94	10.19	5.39	1.40	0.77	0.12	10.25	41.06	14.56	10.27	6.83	1.78	0.96	0.14	12.50	47.04
3255	14.52	11.46	5.71	1.48	1.00	0.15	11.51	45.83	16.33	11.55	7.23	1.88	1.23	0.19	14.02	52.43
3260	18.60	14.77	7.68	2.00	1.66	0.25	14.76	59.72	20.93	14.88	9.81	2.55	2.05	0.31	17.99	68.52
3265	18.46	16.14	7.84	2.04	1.66	0.25	17.08	63.47	20.51	16.24	9.99	2.60	2.05	0.31	20.33	72.03
3270	20.63	18.09	9.69	2.52	2.11	0.32	19.09	72.45	22.92	18.21	12.31	3.20	2.61	0.39	22.73	82.37
3275	25.22	22.02	10.49	2.73	2.11	0.32	23.32	86.21	28.02	22.16	13.36	3.47	2.61	0.39	27.76	97.77
3280	22.79	24.14	11.80	3.07	2.11	0.32	25.71	89.94	25.07	24.25	15.08	3.92	2.61	0.39	30.05	101.37
3285	50.14	52.84	19.13	4.97	3.42	0.51	56.51	187.52	55.16	53.08	24.61	6.40	4.22	0.63	66.05	210.15
3295	10.72	11.38	5.78	7.87	0.00	0.00	13.88	49.63								
3300	0.48	0.51	0.00	0.00	0.00	0.00	0.62	1.61								
3305	1.74	1.85	0.00	0.00	0.00	0.00	2.25	5.84								
3310	13.45	14.29	10.11	10.04	0.00	0.00	17.42	65.31								
3315	0.48	0.51	0.00	0.00	0.00	0.00	0.62	1.61								
3320	1.74	1.85	0.00	0.00	0.00	0.00	2.25	5.84								
3325	16.51	17.53	10.11	10.04	0.00	0.00	21.37	75.56								
3330	0.61	0.65	0.00	0.00	0.00	0.00	0.79	2.05								
3335	1.84	1.95	0.00	0.00	0.00	0.00	2.38	6.17								
3340	19.16	20.35	15.89	12.92	0.00	0.00	24.80	93.12								
3345	0.65	0.69	0.00	0.00	0.00	0.00	0.85	2.19								
3350	3.43	3.64	0.00	0.00	0.00	0.00	4.44	11.51								
3355	20.43	21.70	15.89	12.92	0.00	0.00	26.45	97.39								
3360	0.61	0.65	0.00	0.00	0.00	0.00	0.79	2.05								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS						TOTAL RATE	SEVERE CONDITIONS						TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
3365	3.55	3.77	0.00	0.00	0.00	0.00	4.60								11.92
3375	5.71	2.80	0.00	0.80	0.00	0.00	6.88								16.19
3380	5.39	2.64	0.00	0.80	0.00	0.00	6.49								15.32
3385	5.94	2.92	0.00	0.80	0.00	0.00	7.15								16.81
3390	7.27	3.57	0.00	0.85	0.00	0.00	8.75								20.44
3395	8.13	3.99	0.00	0.90	0.00	0.00	9.78								22.80
3405	6.39	3.13	0.00	0.80	0.00	0.00	7.69								18.01
3410	6.95	3.41	0.00	0.85	0.00	0.00	8.37								19.58
3415	9.71	4.76	5.22	1.25	0.00	0.00	11.68								32.62
3425	3.19	1.56	0.00	0.51	0.00	0.00	3.84								9.10
3430	5.63	2.76	0.00	0.81	0.00	0.00	6.78								15.98
3435	6.66	3.27	0.00	0.81	0.00	0.00	8.01								18.75
3440	8.24	4.04	0.00	0.91	0.00	0.00	9.91								23.10
3445	17.55	8.61	8.61	2.07	0.00	0.00	21.12								57.96
3455	1.43	0.70	0.00	0.31	0.00	0.00	1.72								4.16
3460	0.91	0.45	0.00	0.31	0.00	0.00	1.10								2.77
3465	0.14	0.07	0.00	0.25	0.00	0.00	0.16								0.62
3475	2.44	1.20	2.30	0.55	0.00	0.00	2.93								9.42
3480	1.68	0.82	1.04	0.25	0.00	0.00	2.02								5.81
3490	1.37	0.67	1.30	0.21	0.00	0.00	1.65								5.20
3495	2.10	1.03	3.36	0.54	0.00	0.00	2.53								9.56
3500	2.50	1.22	2.09	0.50	0.00	0.00	3.00								9.31
3505	2.87	1.41	2.82	0.68	0.00	0.00	3.45								11.23
3510	3.45	1.69	3.13	0.75	0.00	0.00	4.15								13.17
3520	1.45	0.71	1.95	0.31	0.00	0.00	1.74								6.16
3525	2.24	1.10	2.56	0.61	0.00	0.00	2.69								9.20
3535	13.39	9.53	10.96	4.16	0.00	0.00	16.11								54.15
3540	17.32	12.50	15.86	6.03	1.26	0.19	20.91								74.07
3545	16.11	11.58	22.69	8.62	0.86	0.13	19.43								79.42
3555	15.75	11.38	11.74	4.46	1.25	0.19	19.01								63.78
3560	24.02	17.33	17.48	6.64	1.71	0.26	28.99								96.43
3565	25.60	18.46	18.26	6.94	1.71	0.26	30.89								102.12
3570	18.78	13.37	21.39	8.13	0.00	0.00	22.61								84.28
3575	20.79	14.80	21.39	8.13	0.00	0.00	25.02								90.13
3580	23.48	21.91	27.34	8.75	0.00	0.00	28.26								109.74
3585	43.09	40.21	54.30	27.15	0.00	0.00	25.93								190.68
3605	1.31	0.67	1.73	0.78	0.05	0.01	1.28								5.83
3610	1.32	0.67	1.73	0.78	0.06	0.01	1.29								5.86
3615	1.41	0.72	1.73	0.78	0.08	0.01	1.37								6.10
3620	1.93	0.98	3.08	1.39	0.09	0.01	1.88								9.36
3625	1.98	1.00	3.08	1.39	0.09	0.01	1.93								9.48
3630	2.19	1.11	4.53	2.04	0.09	0.01	2.14								12.11
3635	2.68	1.36	5.10	2.30	0.14	0.02	2.62								14.22
3640	2.82	1.43	5.10	2.30	0.12	0.02	2.75								14.54
3645	3.01	1.51	5.10	2.30	0.08	0.01	2.93								14.94
3650	1.26	0.63	3.27	0.79	0.03	0.00	1.22								7.20
3655	1.63	0.83	4.25	1.02	0.11	0.02	1.59								9.45
3660	1.63	0.85	4.25	1.02	0.19	0.03	1.60								9.57
3665	2.30	1.18	5.57	1.34	0.13	0.02	2.25								12.79
3670	2.33	1.19	5.57	1.34	0.13	0.02	2.28								12.86
3675	2.43	1.24	5.57	1.34	0.13	0.02	2.37								13.10
3680	3.50	1.78	5.84	1.40	0.19	0.03	3.41								16.15
3685	3.78	1.92	2.95	0.71	0.19	0.03	3.69								13.27
3690	4.90	2.54	5.27	1.27	0.45	0.07	4.80								19.30
3695	5.35	2.77	5.27	1.27	0.45	0.07	5.24								20.42

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3700	5.56	2.86	5.27	1.27	0.40	0.06	5.44	20.86								
3705	6.17	3.20	5.27	1.27	0.58	0.09	6.05	22.63								
3710	2.21	1.14	2.87	0.69	0.20	0.03	2.17	9.31								
3715	2.27	1.17	2.87	0.69	0.20	0.03	2.22	9.45								
3720	2.75	1.42	2.87	0.69	0.20	0.03	2.70	10.66								
3725	2.85	1.47	2.87	0.69	0.25	0.04	2.79	10.96								
3735	1.27	0.66	5.57	1.34	0.13	0.02	1.25	10.24								
3740	1.87	0.96	7.08	1.70	0.14	0.02	1.83	13.60								
3745	3.70	1.88	10.26	2.46	0.16	0.02	3.61	22.09								
3750	4.96	2.57	11.23	2.70	0.46	0.07	4.86	26.85								
3755	5.79	2.98	11.23	2.70	0.46	0.07	5.67	28.90								
3760	5.82	3.02	11.23	2.70	0.54	0.08	5.71	29.10								
3765	6.33	3.25	11.23	2.70	0.44	0.07	6.19	30.21								
3770	12.82	6.59	16.80	4.03	0.96	0.14	12.54	53.88								
3785	1.82	0.67	6.24	1.50	0.00	0.00	1.43	11.66	2.08	0.69	8.21	1.97	0.00	0.00	1.91	14.86
3790	2.38	0.88	7.89	1.89	0.00	0.00	1.88	14.92	2.72	0.90	10.38	2.49	0.00	0.00	2.50	18.99
3795	2.56	0.95	9.28	2.23	0.00	0.00	2.02	17.04	2.93	0.97	12.21	2.93	0.00	0.00	2.69	21.73
3800	2.76	1.02	12.23	2.94	0.00	0.00	2.18	21.13	3.15	1.04	16.09	3.86	0.00	0.00	2.90	27.04
3805	3.14	1.17	15.61	3.75	0.00	0.00	2.48	26.15	3.59	1.19	20.53	4.93	0.00	0.00	3.31	33.55
3810	3.75	1.39	15.61	3.75	0.00	0.00	2.96	27.46	4.28	1.42	20.53	4.93	0.00	0.00	3.94	35.10
3815	4.17	1.55	18.98	4.56	0.00	0.00	3.29	32.55	4.77	1.58	24.97	5.99	0.00	0.00	4.39	41.70
3820	5.03	1.87	21.09	5.06	0.00	0.00	3.97	37.02	5.75	1.90	27.75	6.66	0.00	0.00	5.29	47.35
3825	6.79	2.52	27.42	6.58	0.00	0.00	5.36	48.67	7.76	2.57	36.07	8.66	0.00	0.00	7.15	62.21
3830	9.06	3.36	35.64	8.55	0.00	0.00	7.15	63.76	10.36	3.43	46.90	11.26	0.00	0.00	9.54	81.49
3835	12.35	4.58	52.72	12.65	0.00	0.00	9.75	92.05	14.11	4.67	69.37	16.65	0.00	0.00	13.00	117.80
3840	16.18	6.01	61.16	14.68	0.00	0.00	12.77	110.80	18.49	6.12	80.47	19.31	0.00	0.00	17.03	141.42
3850	0.07	0.03	0.44	0.11	0.00	0.00	0.06	0.71	0.08	0.03	0.58	0.14	0.00	0.00	0.08	0.91
3855	0.12	0.04	0.71	0.17	0.00	0.00	0.09	1.13	0.13	0.04	0.92	0.22	0.00	0.00	0.12	1.43
3860	0.15	0.06	1.06	0.25	0.00	0.00	0.12	1.64	0.17	0.06	1.38	0.33	0.00	0.00	0.16	2.10
3875	0.15	0.06	0.53	0.13	0.00	0.00	0.12	0.99	0.18	0.06	0.69	0.17	0.00	0.00	0.16	1.26
3880	0.35	0.13	1.24	0.30	0.00	0.00	0.27	2.29	0.39	0.13	1.61	0.39	0.00	0.00	0.36	2.88
3885	0.38	0.14	1.77	0.42	0.00	0.00	0.30	3.01	0.43	0.14	2.30	0.55	0.00	0.00	0.40	3.82
3890	0.40	0.15	0.25	0.06	0.00	0.00	0.32	1.18	0.46	0.15	0.33	0.08	0.00	0.00	0.42	1.44
3895	0.53	0.20	0.51	0.12	0.00	0.00	0.42	1.78	0.61	0.20	0.67	0.16	0.00	0.00	0.56	2.20
3900	0.76	0.28	0.93	0.22	0.00	0.00	0.60	2.79	0.87	0.29	1.22	0.29	0.00	0.00	0.80	3.47
3905	0.80	0.30	1.14	0.27	0.00	0.00	0.63	3.14	0.91	0.30	1.50	0.36	0.00	0.00	0.84	3.91
3910	1.18	0.44	2.66	0.64	0.00	0.00	0.93	5.85	1.35	0.45	3.50	0.84	0.00	0.00	1.24	7.38
3915	1.56	0.58	3.67	0.88	0.00	0.00	1.23	7.92	1.78	0.59	4.83	1.16	0.00	0.00	1.64	10.00
3920	1.78	0.66	4.30	1.03	0.00	0.00	1.41	9.18	2.04	0.67	5.66	1.36	0.00	0.00	1.88	11.61
3925	2.12	0.79	6.83	1.64	0.00	0.00	1.67	13.05	2.42	0.80	8.99	2.16	0.00	0.00	2.23	16.60
3930	2.22	0.82	6.83	1.64	0.00	0.00	1.75	13.26	2.54	0.84	8.99	2.16	0.00	0.00	2.34	16.87
3935	2.60	0.96	8.86	2.13	0.00	0.00	2.05	16.60	2.97	0.98	11.65	2.80	0.00	0.00	2.73	21.13
3940	3.09	1.15	11.64	2.79	0.00	0.00	2.44	21.11	3.53	1.17	15.32	3.68	0.00	0.00	3.25	26.95
3950	0.10	0.04	0.44	0.11	0.00	0.00	0.08	0.77	0.11	0.04	0.58	0.14	0.00	0.00	0.10	0.97
3955	0.11	0.04	0.62	0.15	0.00	0.00	0.08	1.00	0.12	0.04	0.81	0.19	0.00	0.00	0.11	1.27
3960	0.15	0.05	0.71	0.17	0.00	0.00	0.12	1.20	0.17	0.06	0.92	0.22	0.00	0.00	0.15	1.52
3965	0.19	0.07	0.88	0.21	0.00	0.00	0.15	1.50	0.21	0.07	1.15	0.28	0.00	0.00	0.19	1.90
3970	0.20	0.07	1.42	0.34	0.00	0.00	0.15	2.18	0.22	0.07	1.84	0.44	0.00	0.00	0.21	2.78
3975	0.19	0.07	1.42	0.34	0.00	0.00	0.15	2.17	0.21	0.07	1.84	0.44	0.00	0.00	0.20	2.76
3990	6.27	4.18	4.86	1.65	0.45	0.07	5.67	23.15	7.52	4.25	6.38	2.17	0.60	0.09	7.94	28.95
3995	7.14	4.75	5.24	1.78	0.45	0.07	6.45	25.88	8.57	4.82	6.89	2.34	0.60	0.09	9.03	32.34
4000	7.66	5.10	5.24	1.78	0.49	0.07	6.93	27.27	9.20	5.18	6.89	2.34	0.66	0.10	9.70	34.07
4005	7.77	5.19	5.83	1.98	0.56	0.08	7.03	28.44	9.33	5.27	7.66	2.60	0.76	0.11	9.84	35.57
4010	10.69	7.26	6.99	2.38	1.24	0.19	9.71	38.46	12.83	7.37	9.19	3.12	1.68	0.25	13.60	48.04
4015	15.23	10.37	9.71	3.30	1.93	0.29	13.85	54.68	18.27	10.53	12.76	4.34	2.62	0.39	19.38	68.29

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
4025	6.11	4.09	4.86	1.65	0.49	0.07	5.53	22.80	7.33	4.15	6.38	2.17	0.66	0.10	7.74	28.53	
4030	6.87	4.60	5.59	1.90	0.54	0.08	6.21	25.79	8.24	4.66	7.35	2.50	0.73	0.11	8.70	32.29	
4035	7.28	4.88	5.75	1.95	0.62	0.09	6.59	27.16	8.73	4.95	7.56	2.57	0.84	0.13	9.22	34.00	
4040	7.95	5.30	7.03	2.39	0.54	0.08	7.19	30.48	9.54	5.38	9.24	3.14	0.73	0.11	10.06	38.20	
4045	5.74	3.85	4.86	1.65	0.49	0.07	5.20	21.86	6.88	3.91	6.38	2.17	0.66	0.10	7.27	27.37	
4050	6.33	4.25	5.59	1.90	0.54	0.08	5.73	24.42	7.60	4.31	7.35	2.50	0.73	0.11	8.02	30.62	
4055	6.63	4.46	5.75	1.95	0.62	0.09	6.01	25.51	7.95	4.53	7.56	2.57	0.84	0.13	8.41	31.99	
4060	7.24	4.86	7.03	2.39	0.62	0.09	6.56	28.79	8.69	4.93	9.24	3.14	0.84	0.13	9.18	36.15	
4065	8.93	6.11	8.94	3.04	1.24	0.19	8.13	36.58	10.71	6.20	11.74	3.99	1.68	0.25	11.38	45.95	
4075	3.40	2.25	2.64	0.90	0.15	0.02	3.07	12.43	4.08	2.28	3.47	1.18	0.21	0.03	4.30	15.55	
4080	4.89	3.30	5.05	1.72	0.49	0.07	4.44	19.96	5.87	3.35	6.64	2.26	0.66	0.10	6.21	25.09	
4085	5.36	3.63	5.63	1.92	0.56	0.08	4.87	22.05	6.44	3.68	7.40	2.52	0.76	0.11	6.81	27.72	
4090	5.55	3.81	6.22	2.11	0.82	0.12	5.05	23.68	6.66	3.86	8.17	2.78	1.11	0.17	7.07	29.82	
4100	2.89	1.91	5.56	1.11	0.15	0.02	2.61	14.25	3.46	1.94	7.20	1.44	0.21	0.03	3.65	17.93	
4105	6.20	4.14	5.63	1.92	0.45	0.07	5.61	24.02	7.44	4.20	7.40	2.52	0.60	0.09	7.85	30.10	
4110	7.62	5.09	7.23	2.46	0.56	0.08	6.89	29.93	9.14	5.17	9.50	3.23	0.76	0.11	9.65	37.56	
4120	0.48	0.24	0.00	0.10	0.00	0.00	0.53	1.35									
4125	0.77	0.38	0.00	0.19	0.00	0.00	0.86	2.20									
4130	0.94	0.47	0.00	0.30	0.00	0.00	1.04	2.75									
4135	2.43	1.20	0.00	0.40	0.00	0.00	2.69	6.72									
4145	5.65	2.81	4.22	1.01	0.00	0.00	6.28	19.97									
4150	7.66	3.80	4.22	1.01	0.00	0.00	8.50	25.19									
4155	11.82	5.87	5.48	1.32	0.00	0.00	13.12	37.61									
4160	13.14	6.52	6.33	1.52	0.00	0.00	14.59	42.10									
4175	10.73	4.83	4.00	1.52	0.00	0.00	11.29	32.37	14.30	5.00	5.26	2.00	0.00	0.00	17.20	43.76	
4180	15.28	7.61	7.19	1.44	0.00	0.00	17.16	48.68	19.10	7.80	9.45	1.89	0.00	0.00	24.14	62.38	
4185	22.65	11.28	11.65	2.33	0.00	0.00	25.44	73.35	28.31	11.56	15.32	3.06	0.00	0.00	35.78	94.03	
4190	32.15	17.13	17.72	3.90	0.00	0.00	38.11	109.01	38.58	17.44	23.28	5.12	0.00	0.00	50.81	135.23	
4200	13.09	6.52	6.22	1.24	0.00	0.00	14.70	41.77	16.36	6.68	8.17	1.63	0.00	0.00	20.68	53.52	
4205	18.68	9.31	9.13	1.83	0.00	0.00	20.99	59.94	23.35	9.53	12.00	2.40	0.00	0.00	29.51	76.79	
4210	20.12	10.72	11.97	2.63	0.00	0.00	23.85	69.29	24.15	10.91	15.73	3.46	0.00	0.00	31.80	86.05	
4215	41.94	22.34	23.93	5.26	0.00	0.00	49.70	143.17	50.32	22.75	31.45	6.92	0.00	0.00	66.27	177.71	
4225	16.98	7.65	6.84	2.60	0.00	0.00	17.87	51.94	22.64	7.92	8.99	3.41	0.00	0.00	27.24	70.20	
4230	20.02	9.97	7.96	1.59	0.00	0.00	22.48	62.02	25.02	10.21	10.47	2.09	0.00	0.00	31.62	79.41	
4235	25.24	12.57	9.63	1.93	0.00	0.00	28.35	77.72	31.55	12.88	12.66	2.53	0.00	0.00	39.87	99.49	
4240	37.48	19.97	15.23	3.35	0.00	0.00	44.42	120.45	44.98	20.33	20.02	4.40	0.00	0.00	59.23	148.96	
4250	9.93	4.47	4.86	1.85	0.00	0.00	10.46	31.57	13.24	4.63	6.38	2.43	0.00	0.00	15.93	42.61	
4255	12.39	5.58	6.41	2.44	0.00	0.00	13.04	39.86	16.52	5.78	8.42	3.20	0.00	0.00	19.87	53.79	
4260	12.40	6.18	7.77	1.55	0.00	0.00	13.93	41.83	15.50	6.33	10.21	2.04	0.00	0.00	19.59	53.67	
4270	12.00	5.41	3.50	1.33	0.00	0.00	12.63	34.87	16.00	5.60	4.60	1.75	0.00	0.00	19.25	47.20	
4275	14.86	6.69	5.24	1.99	0.00	0.00	15.64	44.42	19.81	6.93	6.89	2.62	0.00	0.00	23.83	60.08	
4280	22.82	11.37	7.58	1.52	0.00	0.00	25.64	68.93	28.53	11.65	9.96	1.99	0.00	0.00	36.06	88.19	
4285	35.55	17.71	12.63	2.53	0.00	0.00	39.94	108.36	44.44	18.14	16.59	3.32	0.00	0.00	56.16	138.65	
4300	14.96	6.74	4.47	1.70	0.00	0.00	15.74	43.61	19.94	6.98	5.87	2.23	0.00	0.00	23.99	59.01	
4305	18.39	8.28	6.22	2.36	0.00	0.00	19.36	54.61	24.52	8.58	8.17	3.10	0.00	0.00	29.50	73.87	
4310	21.58	10.75	10.57	2.11	0.00	0.00	24.24	69.25	26.97	11.01	13.89	2.78	0.00	0.00	34.08	88.73	
4325	12.15	6.05	6.99	1.40	0.00	0.00	13.65	40.24	15.19	6.20	9.19	1.84	0.00	0.00	19.19	51.61	
4330	21.80	10.86	11.27	2.25	0.00	0.00	24.49	70.67	27.25	11.12	14.81	2.96	0.00	0.00	34.43	90.57	
4335	27.20	14.49	15.15	3.33	0.00	0.00	32.24	92.41	32.64	14.75	19.91	4.38	0.00	0.00	42.98	114.66	
4345	11.09	5.00	5.09	1.93	0.00	0.00	11.67	34.78	14.79	5.18	6.69	2.54	0.00	0.00	17.79	46.99	
4350	19.60	9.76	8.16	1.63	0.00	0.00	22.02	61.17	24.50	10.00	10.72	2.14	0.00	0.00	30.96	78.32	
4355	22.09	11.00	10.10	2.02	0.00	0.00	24.81	70.02	27.61	11.27	13.28	2.66	0.00	0.00	34.89	89.71	
4365	11.16	5.03	4.20	1.59	0.00	0.00	11.74	33.72	14.88	5.21	5.51	2.10	0.00	0.00	17.90	45.60	
4370	14.81	6.67	5.56	2.11	0.00	0.00	15.59	44.74	19.75	6.91	7.30	2.77	0.00	0.00	23.76	60.49	
4375	15.21	7.58	8.16	1.63	0.00	0.00	17.08	49.66	19.01	7.76	10.72	2.14	0.00	0.00	24.02	63.65	

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE		DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
4380	22.08	11.00	9.32	1.86	0.00	0.00	24.80	69.06	27.60	11.27	12.25	2.45	0.00	0.00	34.88	88.45
4385	27.52	13.71	11.93	2.39	0.00	0.00	30.92	86.47	34.40	14.04	15.68	3.14	0.00	0.00	43.47	110.73
4390	31.38	16.72	12.90	2.84	0.00	0.00	37.19	101.03	37.65	17.02	16.95	3.73	0.00	0.00	49.59	124.94
4395	39.01	20.78	16.32	3.59	0.00	0.00	46.23	125.93	46.81	21.16	21.45	4.72	0.00	0.00	61.65	155.79
4400	43.50	23.17	18.03	3.97	0.00	0.00	51.56	140.23	52.20	23.59	23.69	5.21	0.00	0.00	68.74	173.43
4405	54.16	33.22	25.80	6.19	0.00	0.00	78.46	197.83	63.19	33.66	33.90	8.14	0.00	0.00	99.86	238.75
4410	63.15	38.74	32.32	7.76	0.00	0.00	91.48	233.45	73.67	39.25	42.48	10.20	0.00	0.00	116.43	282.03
4425	13.94	6.28	5.91	2.24	0.00	0.00	14.67	43.04	18.58	6.50	7.76	2.95	0.00	0.00	22.35	58.14
4430	19.22	9.58	8.86	1.77	0.00	0.00	21.59	61.02	24.03	9.81	11.64	2.33	0.00	0.00	30.36	78.17
4435	23.88	11.90	11.81	2.36	0.00	0.00	26.82	76.77	29.85	12.18	15.52	3.10	0.00	0.00	37.72	98.37
4445	9.29	6.19	8.34	3.06	0.56	0.08	6.13	33.65	10.72	6.26	10.92	4.01	0.71	0.11	7.78	40.51
4450	12.11	8.04	8.51	3.06	0.59	0.09	7.99	40.39	13.97	8.13	10.94	3.94	0.73	0.11	10.14	47.96
4455	13.71	10.82	14.09	3.66	0.94	0.14	10.87	54.23	15.43	10.91	18.15	4.72	1.17	0.18	13.24	63.80
4465	1.56	0.77	0.00	0.11	0.00	0.00	1.70	4.14	1.95	0.79	0.00	0.11	0.00	0.00	2.38	5.23
4470	2.06	1.02	0.00	0.13	0.00	0.00	2.24	5.45	2.58	1.04	0.00	0.13	0.00	0.00	3.15	6.90
4475	3.05	1.50	0.00	0.17	0.00	0.00	3.32	8.04	3.81	1.54	0.00	0.17	0.00	0.00	4.66	10.18
4480	1.55	0.77	0.00	0.24	0.00	0.00	1.69	4.25	1.94	0.78	0.00	0.24	0.00	0.00	2.37	5.33
4490	1.26	0.58	0.83	0.20	0.06	0.01	2.83	5.77								
4500	0.98	0.46	0.33	0.08	0.06	0.01	2.21	4.13								
4505	1.31	0.60	0.67	0.16	0.06	0.01	2.93	5.74								
4510	1.54	0.71	0.83	0.20	0.06	0.01	3.46	6.81								
4520	2.15	1.26	1.18	0.33	0.79	0.12	2.93	8.76	2.69	1.29	1.55	0.44	1.24	0.19	4.07	11.47
4530	0.44	0.24	0.00	0.00	0.00	0.00	0.59	1.27	0.55	0.25	0.00	0.00	0.00	0.00	0.82	1.62
4535	0.53	0.29	0.00	0.00	0.00	0.00	0.71	1.53	0.66	0.30	0.00	0.00	0.00	0.00	0.98	1.94
4540	0.10	0.06	0.00	0.00	0.00	0.00	0.14	0.30	0.13	0.06	0.00	0.00	0.00	0.00	0.19	0.38
4545	0.52	0.29	0.00	0.00	0.00	0.00	0.70	1.51	0.65	0.29	0.00	0.00	0.00	0.00	0.97	1.91
4550	0.41	0.22	0.00	0.00	0.00	0.00	0.55	1.18	0.51	0.23	0.00	0.00	0.00	0.00	0.76	1.50
4555	0.50	0.28	0.00	0.00	0.00	0.00	0.67	1.45	0.63	0.28	0.00	0.00	0.00	0.00	0.94	1.85
4560	0.72	0.40	0.00	0.00	0.00	0.00	0.97	2.09	0.91	0.41	0.00	0.00	0.00	0.00	1.35	2.67
4565	0.07	0.04	0.00	0.00	0.00	0.00	0.10	0.21	0.09	0.04	0.00	0.00	0.00	0.00	0.14	0.27
4570	2.33	1.38	1.77	0.50	0.97	0.14	3.17	10.26	2.91	1.41	2.33	0.65	1.52	0.23	4.41	13.46
4580	0.52	0.28	0.00	0.00	0.00	0.00	0.69	1.49	0.65	0.29	0.00	0.00	0.00	0.00	0.96	1.90
4585	0.56	0.31	0.00	0.00	0.00	0.00	0.75	1.62	0.70	0.32	0.00	0.00	0.00	0.00	1.05	2.07
4590	0.10	0.06	0.00	0.00	0.00	0.00	0.14	0.30	0.13	0.06	0.00	0.00	0.00	0.00	0.19	0.38
4595	0.52	0.29	0.00	0.00	0.00	0.00	0.70	1.51	0.65	0.29	0.00	0.00	0.00	0.00	0.97	1.91
4600	0.47	0.26	0.00	0.00	0.00	0.00	0.63	1.36	0.59	0.26	0.00	0.00	0.00	0.00	0.87	1.72
4605	0.65	0.36	0.00	0.00	0.00	0.00	0.87	1.88	0.82	0.37	0.00	0.00	0.00	0.00	1.21	2.40
4610	0.82	0.45	0.00	0.00	0.00	0.00	1.09	2.36	1.02	0.46	0.00	0.00	0.00	0.00	1.52	3.00
4615	0.07	0.04	0.00	0.00	0.00	0.00	0.10	0.21	0.09	0.04	0.00	0.00	0.00	0.00	0.14	0.27
4620	2.65	1.59	2.36	0.66	1.28	0.19	3.62	12.35	3.31	1.62	3.11	0.87	2.02	0.30	5.03	16.26
4630	0.55	0.30	0.00	0.00	0.00	0.00	0.74	1.59	0.69	0.31	0.00	0.00	0.00	0.00	1.02	2.02
4635	0.60	0.33	0.00	0.00	0.00	0.00	0.81	1.74	0.75	0.34	0.00	0.00	0.00	0.00	1.12	2.21
4640	0.10	0.06	0.00	0.00	0.00	0.00	0.14	0.30	0.13	0.06	0.00	0.00	0.00	0.00	0.19	0.38
4645	0.52	0.29	0.00	0.00	0.00	0.00	0.70	1.51	0.65	0.29	0.00	0.00	0.00	0.00	0.97	1.91
4650	0.54	0.30	0.00	0.00	0.00	0.00	0.73	1.57	0.68	0.31	0.00	0.00	0.00	0.00	1.01	2.00
4655	0.78	0.43	0.00	0.00	0.00	0.00	1.05	2.26	0.98	0.44	0.00	0.00	0.00	0.00	1.46	2.88
4660	1.00	0.55	0.00	0.00	0.00	0.00	1.34	2.89	1.26	0.56	0.00	0.00	0.00	0.00	1.87	3.69
4665	0.07	0.04	0.00	0.00	0.00	0.00	0.10	0.21	0.09	0.04	0.00	0.00	0.00	0.00	0.14	0.27
4670	3.37	2.03	3.54	0.99	1.78	0.27	4.61	16.59	4.21	2.07	4.66	1.31	2.82	0.42	6.41	21.90
4680	0.64	0.35	0.00	0.00	0.00	0.00	0.85	1.84	0.80	0.36	0.00	0.00	0.00	0.00	1.18	2.34
4685	0.81	0.44	0.00	0.00	0.00	0.00	1.08	2.33	1.01	0.45	0.00	0.00	0.00	0.00	1.50	2.96
4690	0.10	0.06	0.00	0.00	0.00	0.00	0.14	0.30	0.13	0.06	0.00	0.00	0.00	0.00	0.19	0.38
4695	0.52	0.29	0.00	0.00	0.00	0.00	0.70	1.51	0.65	0.29	0.00	0.00	0.00	0.00	0.97	1.91
4700	0.70	0.39	0.00	0.00	0.00	0.00	0.94	2.03	0.88	0.40	0.00	0.00	0.00	0.00	1.31	2.59
4705	0.91	0.50	0.00	0.00	0.00	0.00	1.22	2.63	1.14	0.51	0.00	0.00	0.00	0.00	1.69	3.34

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
4710	1.39	0.76	0.00	0.00	0.00	0.00	1.85	4.00	1.73	0.78	0.00	0.00	0.00	0.00	2.58	5.09
4715	0.07	0.04	0.00	0.00	0.00	0.00	0.10	0.21	0.09	0.04	0.00	0.00	0.00	0.00	0.14	0.27
4720	6.02	3.52	5.40	1.51	2.08	0.31	8.18	27.02	7.52	3.60	7.10	1.99	3.27	0.49	11.36	35.33
4730	0.90	0.49	0.00	0.00	0.00	0.00	1.20	2.59	1.13	0.50	0.00	0.00	0.00	0.00	1.67	3.30
4735	0.10	0.06	0.00	0.00	0.00	0.00	0.14	0.30	0.13	0.06	0.00	0.00	0.00	0.00	0.19	0.38
4740	0.56	0.31	0.00	0.00	0.00	0.00	0.74	1.61	0.70	0.31	0.00	0.00	0.00	0.00	1.03	2.04
4745	0.84	0.46	0.00	0.00	0.00	0.00	1.13	2.43	1.06	0.47	0.00	0.00	0.00	0.00	1.57	3.10
4750	1.24	0.68	0.00	0.00	0.00	0.00	1.66	3.58	1.55	0.69	0.00	0.00	0.00	0.00	2.30	4.54
4755	1.71	0.94	0.00	0.00	0.00	0.00	2.29	4.94	2.14	0.96	0.00	0.00	0.00	0.00	3.17	6.27
4760	0.07	0.04	0.00	0.00	0.00	0.00	0.10	0.21	0.09	0.04	0.00	0.00	0.00	0.00	0.14	0.27
4765	10.28	6.15	5.27	1.48	5.13	0.77	14.07	43.15	12.86	6.29	6.94	1.94	8.13	1.22	19.54	56.92
4770	11.50	6.83	7.80	2.18	5.23	0.78	15.69	50.01	14.37	6.98	10.27	2.87	8.30	1.24	21.80	65.83
4775	11.60	7.05	7.80	2.18	7.23	1.09	15.94	52.89	14.50	7.21	10.27	2.87	11.55	1.73	22.14	70.27
4780	13.27	8.08	12.23	3.43	8.55	1.28	18.24	65.08	16.58	8.26	16.09	4.51	13.69	2.05	25.33	86.51
4785	12.79	7.53	7.80	2.18	5.13	0.77	17.42	53.62	15.99	7.70	10.27	2.87	8.13	1.22	24.20	70.38
4790	13.55	7.95	7.80	2.18	5.23	0.78	18.44	55.93	16.94	8.13	10.27	2.87	8.30	1.24	25.62	73.37
4795	15.14	8.99	12.23	3.43	7.23	1.09	20.67	68.78	18.93	9.19	16.09	4.51	11.55	1.73	28.71	90.71
4800	16.64	9.93	12.23	3.43	8.55	1.28	22.74	74.80	20.80	10.14	16.09	4.51	13.69	2.05	31.58	98.86
4810	1.09	0.60	0.00	0.00	0.00	0.00	1.45	3.14	1.36	0.61	0.00	0.00	0.00	0.00	2.01	3.98
4815	1.44	0.79	0.00	0.00	0.00	0.00	1.92	4.15	1.80	0.81	0.00	0.00	0.00	0.00	2.67	5.28
4820	1.64	0.90	0.00	0.00	0.00	0.00	2.19	4.73	2.05	0.92	0.00	0.00	0.00	0.00	3.04	6.01
4825	1.64	0.90	0.00	0.00	0.00	0.00	2.19	4.73	2.05	0.92	0.00	0.00	0.00	0.00	3.05	6.02
4835	3.29	1.62	1.77	0.67	0.00	0.00	5.58	12.93	4.11	1.66	2.34	0.89	0.00	0.00	7.26	16.26
4840	4.12	2.03	2.41	0.92	0.00	0.00	6.99	16.47	5.15	2.08	3.18	1.21	0.00	0.00	9.09	20.71
4845	5.58	2.75	3.55	1.35	0.00	0.00	9.46	22.69	6.97	2.82	4.68	1.78	0.00	0.00	12.30	28.55
4850	7.50	3.70	4.78	1.82	0.00	0.00	12.74	30.54	9.38	3.79	6.29	2.39	0.00	0.00	16.56	38.41
4855	8.84	4.36	6.37	2.42	0.00	0.00	15.00	36.99	11.05	4.46	8.39	3.19	0.00	0.00	19.50	46.59
4865	3.76	1.85	2.96	1.12	0.00	0.00	6.38	16.07	4.70	1.90	3.90	1.48	0.00	0.00	8.29	20.27
4870	6.60	3.26	3.64	1.38	0.00	0.00	11.21	26.09	8.25	3.34	4.80	1.82	0.00	0.00	14.57	32.78
4875	8.17	4.03	5.01	1.90	0.00	0.00	13.87	32.98	10.21	4.13	6.59	2.51	0.00	0.00	18.03	41.47
4880	10.76	5.31	6.83	2.59	0.00	0.00	18.26	43.75	13.45	5.44	8.99	3.42	0.00	0.00	23.74	55.04
4885	15.97	7.87	9.56	3.63	0.00	0.00	27.11	64.14	19.96	8.07	12.59	4.78	0.00	0.00	35.24	80.64
4895	3.54	1.75	2.87	1.09	0.00	0.00	6.01	15.26	4.42	1.79	3.78	1.43	0.00	0.00	7.81	19.23
4900	4.18	2.06	3.55	1.35	0.00	0.00	7.10	18.24	5.23	2.11	4.68	1.78	0.00	0.00	9.23	23.03
4905	5.07	2.50	3.96	1.50	0.00	0.00	8.60	21.63	6.34	2.56	5.21	1.98	0.00	0.00	11.18	27.27
4910	6.42	3.17	5.55	2.11	0.00	0.00	10.90	28.15	8.03	3.24	7.31	2.78	0.00	0.00	14.17	35.53
4915	8.45	4.16	6.83	2.59	0.00	0.00	14.34	36.37	10.56	4.27	8.99	3.42	0.00	0.00	18.64	45.88
4920	12.03	5.93	10.15	3.86	0.00	0.00	20.41	52.38	15.03	6.08	13.37	5.08	0.00	0.00	26.54	66.10
4930	4.29	2.12	2.96	1.12	0.00	0.00	7.28	17.77	5.36	2.17	3.90	1.48	0.00	0.00	9.47	22.38
4935	5.14	2.54	3.55	1.35	0.00	0.00	8.73	21.31	6.43	2.60	4.68	1.78	0.00	0.00	11.35	26.84
4940	8.13	4.01	5.92	2.25	0.00	0.00	13.80	34.11	10.16	4.11	7.79	2.96	0.00	0.00	17.94	42.96
4945	11.76	5.80	8.65	3.29	0.00	0.00	19.97	49.47	14.71	5.94	11.39	4.33	0.00	0.00	25.96	62.33
4955	3.18	1.57	1.91	0.73	0.00	0.00	5.40	12.79	3.98	1.61	2.52	0.96	0.00	0.00	7.02	16.09
4960	4.23	2.09	3.05	1.16	0.00	0.00	7.18	17.71	5.29	2.14	4.02	1.53	0.00	0.00	9.34	22.32
4965	5.19	2.56	3.55	1.35	0.00	0.00	8.82	21.47	6.49	2.62	4.68	1.78	0.00	0.00	11.46	27.03
4975	3.77	1.86	3.00	1.14	0.00	0.00	6.39	16.16	4.71	1.90	3.96	1.50	0.00	0.00	8.31	20.38
4980	5.23	2.58	4.10	1.56	0.00	0.00	8.88	22.35	6.54	2.64	5.39	2.05	0.00	0.00	11.54	28.16
4985	6.67	3.29	5.01	1.90	0.00	0.00	11.33	28.20	8.34	3.37	6.59	2.51	0.00	0.00	14.73	35.54
4990	8.13	4.01	6.14	2.33	0.00	0.00	13.80	34.41	10.16	4.11	8.09	3.07	0.00	0.00	17.93	43.36
4995	11.69	5.76	9.10	3.46	0.00	0.00	19.84	49.85	14.61	5.90	11.99	4.56	0.00	0.00	25.79	62.85
5000	23.24	11.46	15.93	6.05	0.00	0.00	39.45	96.13	29.05	11.74	20.98	7.97	0.00	0.00	51.28	121.02
5010	0.60	0.35	1.42	0.45	0.09	0.01	0.64	3.56	0.75	0.35	1.84	0.59	0.17	0.03	0.86	4.59
5015	0.71	0.40	0.55	0.23	0.09	0.01	0.75	2.74	0.88	0.41	0.72	0.30	0.17	0.03	1.00	3.51
5020	0.88	0.50	2.03	0.65	0.08	0.01	0.93	5.08	1.10	0.51	2.65	0.85	0.15	0.02	1.25	6.53
5025	0.98	0.55	0.93	0.39	0.08	0.01	1.04	3.98	1.23	0.56	1.22	0.51	0.15	0.02	1.39	5.08

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	
5030	1.16	0.65	1.18	0.50	0.09	0.01	1.23	4.82	1.44	0.66	1.55	0.65	0.18	0.03	1.64	6.15
5035	1.07	0.61	2.83	0.91	0.09	0.01	1.14	6.66	1.34	0.62	3.69	1.18	0.18	0.03	1.53	8.57
5040	1.24	0.70	3.01	0.96	0.09	0.01	1.32	7.33	1.55	0.71	3.92	1.25	0.18	0.03	1.76	9.40
5045	1.33	0.75	1.52	0.64	0.09	0.01	1.41	5.75	1.66	0.76	2.00	0.84	0.18	0.03	1.89	7.36
5050	1.68	0.96	2.28	0.96	0.27	0.04	1.79	7.98	2.10	0.99	3.00	1.26	0.51	0.08	2.40	10.34
5055	2.98	1.78	3.29	1.38	0.97	0.14	3.21	13.75	3.73	1.81	4.33	1.82	1.84	0.28	4.30	18.11
5065	3.38	1.91	2.32	0.97	0.31	0.05	3.59	12.53	4.23	1.95	3.05	1.28	0.60	0.09	4.81	16.01
5070	4.42	2.53	3.50	1.47	0.65	0.10	4.71	17.38	5.53	2.58	4.61	1.93	1.24	0.19	6.30	22.38
5075	5.76	3.27	4.34	1.82	0.68	0.10	6.12	22.09	7.20	3.34	5.72	2.40	1.30	0.19	8.20	28.35
5080	5.98	3.43	4.64	1.95	1.00	0.15	6.37	23.52	7.47	3.51	6.10	2.56	1.90	0.28	8.54	30.36
5085	7.37	4.20	5.57	2.34	1.00	0.15	7.84	28.47	9.22	4.29	7.33	3.08	1.90	0.28	10.50	36.60
5090	10.23	5.74	7.80	3.28	0.75	0.11	10.83	38.74	12.78	5.87	10.27	4.31	1.42	0.21	14.51	49.37
5100	3.83	2.21	2.74	1.15	0.73	0.11	4.09	14.86	4.78	2.26	3.61	1.52	1.40	0.21	5.47	19.25
5105	4.98	2.85	3.37	1.42	0.74	0.11	5.30	18.77	6.23	2.91	4.44	1.86	1.42	0.21	7.10	24.17
5110	5.65	3.25	4.22	1.77	1.00	0.15	6.03	22.07	7.06	3.32	5.55	2.33	1.90	0.28	8.07	28.51
5115	9.21	5.18	6.54	2.75	0.75	0.11	9.76	34.30	11.51	5.29	8.60	3.61	1.42	0.21	13.07	43.71
5120	12.14	7.06	8.44	3.54	2.65	0.40	12.99	47.22	15.18	7.21	11.10	4.66	5.06	0.76	17.39	61.36
5125	15.41	8.74	11.39	3.42	4.81	0.72	14.37	58.86	18.49	8.90	14.98	4.50	9.19	1.38	18.48	75.92
5130	21.46	12.60	15.82	4.75	7.52	1.13	20.13	83.41	25.75	12.83	20.81	6.24	14.35	2.15	25.88	108.01
5135	42.86	25.68	29.10	8.73	18.38	2.76	40.34	167.85	51.43	26.15	38.29	11.49	35.09	5.26	51.86	219.57
5145	4.34	2.49	3.46	1.45	0.73	0.11	4.62	17.20	5.42	2.55	4.55	1.91	1.40	0.21	6.19	22.23
5150	5.10	2.91	4.51	1.90	0.74	0.11	5.43	20.70	6.38	2.98	5.94	2.49	1.42	0.21	7.27	26.69
5155	5.91	3.40	5.10	2.14	1.00	0.15	6.30	24.00	7.39	3.47	6.72	2.82	1.90	0.28	8.44	31.02
5160	8.42	4.90	6.50	2.73	1.91	0.29	9.01	33.76	10.52	5.01	8.55	3.59	3.65	0.55	12.06	43.93
5165	11.31	6.65	8.86	3.72	3.05	0.46	12.14	46.19	14.14	6.80	11.65	4.90	5.82	0.87	16.26	60.44
5170	14.62	8.32	11.52	3.45	4.81	0.72	13.64	57.08	17.54	8.47	15.15	4.55	9.19	1.38	17.54	73.82
5175	20.60	11.88	15.18	4.56	5.82	0.87	19.27	78.18	24.72	12.09	19.98	5.99	11.11	1.67	24.77	100.33
5180	37.97	22.45	25.81	7.74	14.36	2.15	35.66	146.14	45.57	22.86	33.97	10.19	27.42	4.11	45.85	189.97
5190	3.96	2.28	3.37	1.42	0.68	0.10	4.23	16.04	4.95	2.33	4.44	1.86	1.30	0.19	5.66	20.73
5195	5.10	2.90	4.30	1.81	0.68	0.10	5.42	20.31	6.37	2.97	5.66	2.38	1.30	0.19	7.26	26.13
5200	5.54	3.19	5.06	2.13	1.00	0.15	5.91	22.98	6.93	3.26	6.66	2.80	1.90	0.28	7.92	29.75
5205	7.61	4.47	6.54	2.75	2.01	0.30	8.17	31.85	9.52	4.57	8.60	3.61	3.83	0.57	10.94	41.64
5210	11.99	7.03	9.07	3.81	3.05	0.46	12.85	48.26	14.99	7.18	11.93	5.01	5.82	0.87	17.21	63.01
5215	16.68	9.79	14.13	4.24	5.82	0.87	15.64	67.17	20.01	9.96	18.59	5.58	11.11	1.67	20.11	87.03
5225	1.79	1.05	2.02	0.85	0.42	0.06	1.91	8.10	2.23	1.07	2.66	1.12	0.79	0.12	2.56	10.55
5230	2.20	1.28	2.32	0.97	0.43	0.06	2.35	9.61	2.75	1.30	3.05	1.28	0.81	0.12	3.15	12.46
5235	4.58	2.63	3.71	1.56	0.73	0.11	4.88	18.20	5.73	2.68	4.88	2.05	1.40	0.21	6.54	23.49
5240	5.51	3.17	4.51	1.90	1.00	0.15	5.88	22.12	6.89	3.24	5.94	2.49	1.90	0.28	7.87	28.61
5245	7.93	4.47	5.74	2.41	0.75	0.11	8.41	29.82	9.91	4.57	7.55	3.17	1.42	0.21	11.26	38.09
5255	3.50	2.14	3.37	1.42	1.50	0.22	3.80	15.95	4.38	2.18	4.44	1.86	2.86	0.43	5.08	21.23
5260	4.53	2.63	4.22	1.77	1.00	0.15	4.85	19.15	5.66	2.69	5.55	2.33	1.90	0.28	6.49	24.90
5265	5.42	3.13	5.06	2.13	1.05	0.16	5.78	22.73	6.77	3.20	6.66	2.80	2.01	0.30	7.75	29.49
5270	8.07	4.55	6.54	2.75	0.75	0.11	8.56	31.33	10.09	4.65	8.60	3.61	1.42	0.21	11.47	40.05
5275	10.72	6.31	7.97	3.35	2.90	0.44	11.50	43.19	13.40	6.45	10.49	4.41	5.55	0.83	15.41	56.54
5280	14.88	8.86	8.82	3.70	4.81	0.72	16.02	57.81	18.60	9.06	11.60	4.87	9.19	1.38	21.45	76.15
5285	20.71	11.94	17.50	5.25	5.82	0.87	19.37	81.46	24.86	12.15	23.03	6.91	11.11	1.67	24.90	104.63
5290	39.70	22.92	24.89	7.47	11.41	1.71	37.13	145.23	47.64	23.33	32.74	9.82	21.78	3.27	47.74	186.32
5300	1.72	0.98	1.81	0.76	0.25	0.04	1.83	7.39	2.14	1.01	2.39	1.00	0.47	0.07	2.45	9.53
5305	4.61	2.64	3.59	1.51	0.73	0.11	4.91	18.10	5.76	2.70	4.72	1.98	1.40	0.21	6.57	23.34
5310	5.63	3.19	4.43	1.86	0.59	0.09	5.98	21.77	7.04	3.26	5.83	2.45	1.13	0.17	8.01	27.89
5315	7.90	4.56	6.12	2.57	1.50	0.22	8.43	31.30	9.87	4.66	8.05	3.38	2.86	0.43	11.29	40.54
5320	13.46	7.70	10.97	3.29	4.81	0.72	12.57	53.52	16.15	7.84	14.43	4.33	9.19	1.38	16.16	69.48
5330	4.64	2.69	4.39	1.84	1.00	0.15	4.96	19.67	5.80	2.75	5.77	2.42	1.90	0.28	6.65	25.57
5335	6.69	3.79	6.66	2.80	0.75	0.11	7.10	27.90	8.36	3.87	8.77	3.68	1.42	0.21	9.51	35.82
5340	8.38	4.97	7.89	3.31	2.53	0.38	9.01	36.47	10.48	5.08	10.38	4.36	4.82	0.72	12.07	47.91

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
5345	11.94	6.92	12.86	3.86	5.02	0.75	11.18	52.53	14.33	7.04	16.93	5.08	9.58	1.44	14.37	68.77
5355	4.78	2.77	4.34	1.82	1.00	0.15	5.10	19.96	5.97	2.83	5.72	2.40	1.90	0.28	6.84	25.94
5360	5.50	3.17	4.77	2.00	1.00	0.15	5.87	22.46	6.88	3.24	6.27	2.63	1.90	0.28	7.86	29.06
5365	7.86	4.43	6.07	2.55	0.75	0.11	8.33	30.10	9.82	4.53	7.99	3.36	1.42	0.21	11.16	38.49
5370	10.26	6.01	8.86	3.72	2.59	0.39	10.99	42.82	12.82	6.14	11.65	4.90	4.95	0.74	14.72	55.92
5375	14.62	8.32	12.95	3.88	4.81	0.72	13.64	58.94	17.54	8.47	17.04	5.11	9.19	1.38	17.53	76.26
5380	21.03	12.11	16.37	4.91	5.82	0.87	19.66	80.77	25.24	12.33	21.53	6.46	11.11	1.67	25.28	103.62
5390	4.95	2.83	3.59	1.51	0.74	0.11	5.28	19.01	6.19	2.90	4.72	1.98	1.42	0.21	7.07	24.49
5395	5.65	3.25	10.35	3.31	1.00	0.15	6.03	29.74	7.06	3.32	13.48	4.31	1.90	0.28	8.07	38.42
5400	8.16	4.60	6.28	2.64	0.75	0.11	8.65	31.19	10.20	4.70	8.27	3.47	1.42	0.21	11.59	39.86
5405	9.73	5.71	7.68	3.22	2.53	0.38	10.43	39.68	12.16	5.83	10.10	4.24	4.82	0.72	13.97	51.84
5410	10.57	6.24	8.56	3.60	3.05	0.46	11.35	43.83	13.21	6.38	11.27	4.73	5.82	0.87	15.21	57.49
5415	14.55	8.41	12.02	3.61	5.90	0.88	13.61	58.98	17.46	8.56	15.82	4.75	11.26	1.69	17.50	77.04
5420	19.08	11.07	16.87	5.06	5.82	0.87	17.86	76.63	22.90	11.27	22.20	6.66	11.11	1.67	22.96	98.77
5430	2.98	1.68	1.98	0.63	0.21	0.03	3.61	11.12	3.72	1.72	2.61	0.83	0.30	0.04	4.79	14.01
5435	3.48	1.96	2.32	0.74	0.21	0.03	4.22	12.96	4.35	2.00	3.05	0.98	0.30	0.04	5.60	16.32
5440	5.34	3.01	3.37	1.08	0.38	0.06	6.48	19.72	6.68	3.08	4.44	1.42	0.53	0.08	8.60	24.83
5445	6.34	3.56	4.68	1.50	0.37	0.05	7.68	24.18	7.93	3.64	6.16	1.97	0.51	0.08	10.20	30.49
5455	3.45	2.00	2.62	0.84	0.59	0.09	4.22	13.81	4.32	2.05	3.44	1.10	0.83	0.13	5.60	17.47
5460	5.08	2.90	3.37	1.08	0.55	0.08	6.18	19.24	6.35	2.96	4.44	1.42	0.77	0.12	8.21	24.27
5465	5.66	3.20	4.22	1.35	0.42	0.06	6.87	21.78	7.08	3.27	5.55	1.78	0.59	0.09	9.12	27.48
5475	4.48	2.21	1.77	0.67	0.00	0.00	7.61	16.74	5.60	2.26	2.34	0.89	0.00	0.00	9.89	20.98
5480	5.33	2.63	2.41	0.92	0.00	0.00	9.06	20.35	6.67	2.70	3.18	1.21	0.00	0.00	11.77	25.53
5490	4.79	2.36	2.96	1.12	0.00	0.00	8.13	19.36	5.99	2.42	3.90	1.48	0.00	0.00	10.57	24.36
5500	0.57	0.22	0.00	0.49	0.00	0.00	0.83	2.11								
5505	1.19	0.46	0.00	1.02	0.00	0.00	1.71	4.38								
5510	2.31	0.89	0.00	1.93	0.00	0.00	3.32	8.45								
5515	0.61	0.23	0.00	0.25	0.00	0.00	0.87	1.96								
5520	0.95	0.37	0.00	0.35	0.00	0.00	1.37	3.04								
5530	1.66	0.64	0.00	0.25	0.00	0.00	2.39	4.94								
5535	2.52	0.97	0.00	0.33	0.00	0.00	3.62	7.44								
5545	2.13	0.82	0.00	0.27	0.00	0.00	3.06	6.28								
5550	2.81	1.08	0.00	0.48	0.00	0.00	4.04	8.41								
5555	3.37	1.29	0.00	0.77	0.00	0.00	4.84	10.27								
5565	4.20	1.62	0.00	0.06	0.00	0.00	6.04	11.92								
5570	4.70	1.80	0.00	0.06	0.00	0.00	6.75	13.31								
5575	7.72	2.97	0.00	0.06	0.00	0.00	11.10	21.85								
5580	8.22	3.16	0.00	0.06	0.00	0.00	11.82	23.26								
5590	4.34	1.67	0.00	0.42	0.00	0.00	6.24	12.67								
5595	4.98	1.91	0.00	0.48	0.00	0.00	7.16	14.53								
5600	5.80	2.23	0.00	0.58	0.00	0.00	8.33	16.94								
5605	6.36	2.44	0.00	0.72	0.00	0.00	9.13	18.65								
5610	7.22	2.77	0.00	0.62	0.00	0.00	10.37	20.98								
5615	8.52	3.27	0.00	0.92	0.00	0.00	12.24	24.95								
5620	9.98	3.83	0.00	0.92	0.00	0.00	14.34	29.07								
5625	13.35	5.13	0.00	1.12	0.00	0.00	19.19	38.79								
5630	19.55	7.51	0.00	1.23	0.00	0.00	28.09	56.38								
5640	3.39	1.30	0.00	0.48	0.00	0.00	4.88	10.05								
5645	3.90	1.50	0.00	0.63	0.00	0.00	5.61	11.64								
5650	5.19	1.99	0.00	0.63	0.00	0.00	7.45	15.26								
5655	1.27	0.49	0.00	0.25	0.00	0.00	1.82	3.83								
5660	1.62	0.62	0.00	0.33	0.00	0.00	2.33	4.90								
5665	2.05	0.79	0.00	0.42	0.00	0.00	2.95	6.21								
5675	5.57	2.14	0.00	0.65	0.00	0.00	8.00	16.36								
5680	6.33	2.43	0.00	0.77	0.00	0.00	9.10	18.63								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	PCG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	PCG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5685	6.84	2.63	0.00	0.92	0.00	0.00	9.82	20.21								
5690	8.39	3.22	0.00	1.07	0.00	0.00	12.05	24.73								
5695	10.34	3.97	0.00	1.12	0.00	0.00	14.86	30.29								
5700	14.84	5.70	0.00	1.33	0.00	0.00	21.32	43.19								
5710	7.33	2.82	2.49	0.80	0.00	0.00	10.53	23.97								
5715	13.79	5.30	6.58	2.11	0.00	0.00	19.81	47.59								
5720	20.10	7.72	12.44	3.98	0.00	0.00	28.88	73.12								
5725	21.68	8.33	23.20	7.42	0.00	0.00	31.16	91.79								
5730	27.43	10.54	27.42	8.77	0.00	0.00	39.42	113.58								
5740	6.39	5.06	2.45	0.98	0.00	0.00	8.05	22.93	7.66	5.12	3.15	1.26	0.00	0.00	10.95	28.14
5745	10.22	8.10	4.66	1.86	0.00	0.00	12.88	37.72	12.26	8.20	5.99	2.40	0.00	0.00	17.52	46.37
5750	11.67	9.25	4.66	1.86	0.00	0.00	14.71	42.15	14.00	9.36	5.99	2.40	0.00	0.00	20.00	51.75
5755	14.72	11.67	6.99	2.80	0.00	0.00	18.56	54.74	17.66	11.81	8.99	3.60	0.00	0.00	25.24	67.30
5760	20.54	16.28	9.56	3.82	0.00	0.00	25.89	76.09	24.64	16.48	12.29	4.92	0.00	0.00	35.21	93.54
5770	1.23	0.50	0.00	0.15	0.00	0.00	1.54	3.42								
5775	0.46	0.19	0.00	0.10	0.00	0.00	0.57	1.32								
5780	1.82	0.74	0.00	0.31	0.00	0.00	2.28	5.15								
5785	0.79	0.32	0.00	0.05	0.00	0.00	0.99	2.15								
5795	0.50	0.27	1.22	0.39	0.00	0.00	0.59	2.97								
5800	0.63	0.35	1.83	0.59	0.00	0.00	0.75	4.15								
5810	0.04	0.02	0.24	0.08	0.00	0.00	0.04	0.42								
5815	0.05	0.02	0.37	0.12	0.00	0.00	0.05	0.61								
5820	0.08	0.05	0.98	0.31	0.00	0.00	0.10	1.52								
5830	0.67	0.37	5.24	1.68	0.00	0.00	0.79	8.75								
5835	0.39	0.21	1.76	0.67	0.00	0.00	0.46	3.49								
5840	0.88	0.48	9.63	3.08	0.00	0.00	1.05	15.12								
5845	1.27	0.70	3.53	1.34	0.00	0.00	1.51	8.35								
5850	1.63	0.89	4.12	1.56	0.00	0.00	1.93	10.13								
5855	1.73	0.95	4.00	1.52	0.00	0.00	2.06	10.26								
5865	0.07	0.04	0.61	0.20	0.00	0.00	0.09	1.01								
5870	0.10	0.05	0.98	0.31	0.00	0.00	0.12	1.56								
5875	0.20	0.11	1.95	0.62	0.00	0.00	0.24	3.12								
5885	0.09	0.05	0.37	0.12	0.00	0.00	0.11	0.74								
5890	0.10	0.06	0.37	0.12	0.00	0.00	0.12	0.77								
5900	0.12	0.07	0.19	0.09	0.00	0.00	0.07	0.54								
5905	0.17	0.10	0.48	0.22	0.00	0.00	0.10	1.07								
5910	0.62	0.34	2.41	1.08	0.00	0.00	0.37	4.82								
5915	0.81	0.44	5.78	2.60	0.00	0.00	0.48	10.11								
5925	0.10	0.05	0.19	0.09	0.00	0.00	0.06	0.49								
5930	0.12	0.07	0.39	0.17	0.00	0.00	0.07	0.82								
5940	2.62	1.06	0.00	0.10	0.00	0.00	2.85	6.63	3.50	1.10	0.00	0.10	0.00	0.00	4.27	8.97
5945	0.21	0.09	0.00	0.00	0.00	0.00	0.23	0.53	0.28	0.09	0.00	0.00	0.00	0.00	0.34	0.71
5950	1.93	0.78	0.00	0.08	0.00	0.00	2.10	4.89	2.57	0.81	0.00	0.08	0.00	0.00	3.14	6.60
5955	0.09	0.04	0.00	0.00	0.00	0.00	0.10	0.23	0.12	0.04	0.00	0.00	0.00	0.00	0.15	0.31
5960	2.27	0.92	0.00	0.10	0.00	0.00	2.47	5.76	3.03	0.95	0.00	0.10	0.00	0.00	3.70	7.78
5965	0.20	0.08	0.00	0.00	0.00	0.00	0.22	0.50	0.27	0.09	0.00	0.00	0.00	0.00	0.33	0.69
5970	1.61	0.65	0.00	0.08	0.00	0.00	1.75	4.09	2.15	0.68	0.00	0.08	0.00	0.00	2.62	5.53
5975	0.13	0.05	0.00	0.00	0.00	0.00	0.14	0.32	0.17	0.05	0.00	0.00	0.00	0.00	0.21	0.43
5980	0.93	0.38	0.00	0.08	0.00	0.00	1.01	2.40	1.24	0.39	0.00	0.08	0.00	0.00	1.51	3.22
5985	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.07	0.02	0.00	0.00	0.00	0.00	0.08	0.17
5990	2.53	1.02	0.00	0.08	0.00	0.00	2.75	6.38	3.37	1.06	0.00	0.08	0.00	0.00	4.12	8.63
5995	0.20	0.08	0.00	0.00	0.00	0.00	0.22	0.50	0.27	0.09	0.00	0.00	0.00	0.00	0.33	0.69
6000	2.24	0.90	0.00	0.08	0.00	0.00	2.43	5.65	2.99	0.94	0.00	0.08	0.00	0.00	3.65	7.66
6005	0.27	0.11	0.00	0.00	0.00	0.00	0.29	0.67	0.36	0.11	0.00	0.00	0.00	0.00	0.44	0.91
6010	0.77	0.38	0.00	0.08	0.00	0.00	0.84	2.07	0.97	0.39	0.00	0.08	0.00	0.00	1.18	2.62

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
6020	5.19	2.10	0.00	0.22	0.00	0.00	5.64	13.15	6.92	2.18	0.00	0.22	0.00	0.00	8.45	17.77
6025	0.38	0.15	0.00	0.00	0.00	0.00	0.41	0.94	0.50	0.16	0.00	0.00	0.00	0.00	0.61	1.27
6030	5.48	2.22	0.00	0.21	0.00	0.00	5.95	13.86	7.31	2.30	0.00	0.21	0.00	0.00	8.93	18.75
6035	4.36	1.76	0.00	0.16	0.00	0.00	4.73	11.01	5.81	1.83	0.00	0.16	0.00	0.00	7.10	14.90
6040	0.34	0.14	0.00	0.00	0.00	0.00	0.37	0.85	0.45	0.14	0.00	0.00	0.00	0.00	0.55	1.14
6045	4.06	1.64	0.00	0.16	0.00	0.00	4.42	10.28	5.42	1.71	0.00	0.16	0.00	0.00	6.62	13.91
6050	2.92	1.18	0.00	0.10	0.00	0.00	3.17	7.37	3.89	1.23	0.00	0.10	0.00	0.00	4.76	9.98
6055	0.19	0.08	0.00	0.00	0.00	0.00	0.21	0.48	0.25	0.08	0.00	0.00	0.00	0.00	0.31	0.64
6060	2.85	1.15	0.00	0.10	0.00	0.00	3.09	7.19	3.80	1.20	0.00	0.10	0.00	0.00	4.64	9.74
6065	1.64	0.66	0.00	0.08	0.00	0.00	1.78	4.16	2.18	0.69	0.00	0.08	0.00	0.00	2.67	5.62
6070	0.10	0.04	0.00	0.00	0.00	0.00	0.10	0.24	0.13	0.04	0.00	0.00	0.00	0.00	0.16	0.33
6075	1.02	0.41	0.00	0.08	0.00	0.00	1.11	2.62	1.36	0.43	0.00	0.08	0.00	0.00	1.66	3.53
6080	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.06	0.02	0.00	0.00	0.00	0.00	0.08	0.16
6085	0.63	0.26	0.00	0.08	0.00	0.00	0.69	1.66	0.84	0.27	0.00	0.08	0.00	0.00	1.03	2.22
6090	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.09
6095	0.28	0.11	0.00	0.08	0.00	0.00	0.30	0.77	0.37	0.12	0.00	0.08	0.00	0.00	0.45	1.02
6100	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	0.03	0.06
6110	5.80	2.35	0.00	0.28	0.00	0.00	6.30	14.73	7.74	2.44	0.00	0.28	0.00	0.00	9.46	19.92
6115	4.51	1.82	0.00	0.20	0.00	0.00	4.90	11.43	6.02	1.90	0.00	0.20	0.00	0.00	7.35	15.47
6120	3.31	1.34	0.00	0.10	0.00	0.00	3.60	8.35	4.41	1.39	0.00	0.10	0.00	0.00	5.39	11.29
6125	2.00	0.81	0.00	0.09	0.00	0.00	2.18	5.08	2.67	0.84	0.00	0.09	0.00	0.00	3.26	6.86
6135	2.98	1.55	3.59	0.86	0.26	0.04	3.46	12.74								
6140	3.34	1.73	3.59	0.86	0.26	0.04	3.87	13.69								
6145	3.82	1.98	3.59	0.86	0.32	0.05	4.44	15.06								
6150	6.10	3.20	5.27	1.27	0.67	0.10	7.10	23.71								
6160	2.57	1.34	3.21	0.77	0.26	0.04	2.99	11.18								
6165	2.78	1.45	3.21	0.77	0.26	0.04	3.24	11.75								
6170	2.86	1.49	3.29	0.79	0.26	0.04	3.33	12.06								
6175	2.73	1.43	9.46	2.27	0.32	0.05	3.18	19.44								
6180	3.04	1.59	3.21	0.77	0.32	0.05	3.54	12.52								
6185	2.82	1.49	9.46	2.27	0.37	0.06	3.29	19.76								
6190	3.14	1.65	3.21	0.77	0.37	0.06	3.66	12.86								
6195	6.90	3.62	4.94	1.18	0.79	0.12	8.03	25.58								
6205	2.80	1.46	2.87	0.69	0.26	0.04	3.25	11.37								
6210	3.52	1.81	2.87	0.69	0.23	0.03	4.08	13.23								
6215	7.18	3.75	5.48	1.32	0.70	0.10	8.34	26.87								
6220	8.21	4.51	5.48	1.32	1.98	0.30	9.66	31.46								
6230	3.73	2.53	0.00	0.19	1.88	0.28	4.63	13.24								
6235	5.19	2.97	0.00	0.21	1.47	0.22	6.16	16.22								
6245	4.89	3.08	0.00	0.35	1.79	0.27	5.95	16.33								
6250	5.26	3.47	0.00	0.40	2.37	0.36	6.47	18.33								
6255	7.75	4.72	0.00	0.60	2.37	0.36	9.35	25.15								
6265	0.61	0.38	0.00	0.05	0.30	0.05	0.74	2.13								
6275	1.10	0.55	0.00	0.13	0.00	0.00	1.27	3.05								
6280	1.41	0.71	0.00	0.13	0.00	0.00	1.62	3.87								
6285	1.47	0.74	0.00	0.13	0.00	0.00	1.69	4.03								
6290	2.19	1.10	0.00	0.13	0.00	0.00	2.53	5.95								
6295	3.34	1.68	0.00	0.13	0.00	0.00	3.85	9.00								
6300	4.93	2.48	0.00	0.13	0.00	0.00	5.69	13.23								
6305	3.29	1.65	0.00	0.14	0.00	0.00	3.79	8.87								
6310	3.83	1.92	0.00	0.13	0.00	0.00	4.42	10.30								
6315	5.81	2.92	0.00	0.13	0.00	0.00	6.69	15.55								
6325	0.49	0.25	0.00	0.14	0.00	0.00	0.56	1.44								
6330	0.99	0.50	0.00	0.14	0.00	0.00	1.14	2.77								
6340	12.16	6.11	8.86	2.13	0.00	0.00	14.02	43.28								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FCG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE
6345	18.26	9.17	13.08	3.14	0.00	0.00	21.06	64.71							
6350	19.32	9.71	13.08	3.14	0.00	0.00	22.28	67.53							
6360	19.76	9.92	13.92	3.34	0.00	0.00	22.78	69.72							
6370	2.09	1.05	2.19	0.53	0.00	0.00	2.41	8.27							
6375	2.50	1.25	2.19	0.53	0.00	0.00	2.88	9.35							
6380	3.80	1.91	3.59	0.86	0.00	0.00	4.38	14.54							
6385	4.01	2.02	3.59	0.86	0.00	0.00	4.63	15.11							
6390	4.18	2.10	3.59	0.86	0.00	0.00	4.82	15.55							
6395	4.41	2.21	3.59	0.86	0.00	0.00	5.08	16.15							
6405	4.21	2.12	9.46	2.27	0.00	0.00	4.86	22.92							
6410	4.51	2.26	3.59	0.86	0.00	0.00	5.19	16.41							
6415	4.49	2.26	9.46	2.27	0.00	0.00	5.18	23.66							
6420	4.78	2.40	3.59	0.86	0.00	0.00	5.51	17.14							
6425	2.05	1.03	4.78	1.15	0.00	0.00	2.36	11.37							
6430	2.81	1.41	9.46	2.27	0.00	0.00	3.24	19.19							
6435	3.10	1.56	3.59	0.86	0.00	0.00	3.58	12.69							
6440	3.42	1.72	9.46	2.27	0.00	0.00	3.95	20.82							
6445	3.72	1.87	3.59	0.86	0.00	0.00	4.28	14.32							
6450	3.72	1.87	9.46	2.27	0.00	0.00	4.29	21.61							
6455	4.01	2.01	3.59	0.86	0.00	0.00	4.62	15.09							
6465	1.27	0.52	2.19	0.70	0.00	0.00	1.83	6.51							
6470	1.54	0.64	2.19	0.70	0.00	0.00	2.23	7.30							
6475	3.78	1.56	2.53	0.81	0.00	0.00	5.45	14.13							
6480	3.68	1.52	2.53	0.81	0.00	0.00	5.31	13.85							
6485	5.20	2.14	5.59	1.79	0.00	0.00	7.50	22.22							
6490	5.47	2.25	5.59	1.79	0.00	0.00	7.89	22.99							
6500	3.58	1.47	2.88	0.92	0.00	0.00	5.16	14.01							
6505	3.91	1.61	2.88	0.92	0.00	0.00	5.63	14.95							
6510	6.34	2.61	4.53	1.45	0.00	0.00	9.14	24.07							
6515	6.90	2.84	4.53	1.45	0.00	0.00	9.94	25.66							
6525	3.08	1.27	2.29	0.73	0.00	0.00	4.43	11.80							
6530	3.64	1.50	2.29	0.73	0.00	0.00	5.25	13.41							
6540	1.84	0.76	1.76	0.56	0.00	0.00	2.65	7.57							
6545	1.67	0.69	1.76	0.56	0.00	0.00	2.41	7.09							
6555	7.76	3.19	4.41	1.41	0.00	0.00	11.18	27.95							
6560	5.91	2.43	2.94	0.94	0.00	0.00	8.52	20.74							
6575	5.82	2.42	4.29	1.37	0.15	0.02	8.41	22.48							
6580	6.48	2.78	5.00	1.60	0.62	0.09	9.43	26.00							
6585	7.49	3.11	5.00	1.60	0.14	0.02	10.82	28.18							
6590	8.58	3.63	7.35	2.35	0.55	0.08	12.44	34.98							
6595	7.91	3.34	7.35	2.35	0.48	0.07	11.46	32.96							
6600	8.40	3.54	7.35	2.35	0.48	0.07	12.16	34.35							
6605	9.56	4.02	7.35	2.35	0.48	0.07	13.84	37.67							
6610	8.80	3.71	7.35	2.35	0.48	0.07	12.75	35.51							
6615	9.53	4.01	7.35	2.35	0.48	0.07	13.80	37.59							
6625	8.35	3.44	7.35	2.35	0.00	0.00	12.04	33.53							
6630	6.69	2.84	5.00	1.60	0.48	0.07	9.70	26.38							
6635	7.10	3.01	7.06	2.26	0.48	0.07	10.29	30.27							
6640	8.12	3.43	7.06	2.26	0.48	0.07	11.77	33.19							
6650	8.62	3.63	6.77	2.16	0.48	0.07	12.48	34.21							
6655	12.71	5.37	11.94	3.82	0.75	0.11	18.41	53.11							
6665	5.54	2.29	4.12	1.32	0.08	0.01	7.99	21.35							
6670	5.56	2.32	4.12	1.32	0.16	0.02	8.03	21.53							
6675	7.40	3.07	4.71	1.51	0.13	0.02	10.68	27.52							
6680	6.22	2.59	4.71	1.51	0.16	0.02	8.99	24.20							

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FCG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FCG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6685	5.87	2.53	4.12	1.32	0.62	0.09	8.54	23.09								
6690	8.25	3.47	5.18	1.66	0.40	0.06	11.94	30.96								
6695	9.16	3.85	7.00	2.24	0.42	0.06	13.25	35.98								
6700	7.70	3.26	7.35	2.35	0.48	0.07	11.17	32.38								
6705	10.79	4.54	7.00	2.24	0.55	0.08	15.62	40.82								
6710	9.36	3.95	7.00	2.24	0.55	0.08	13.56	36.74								
6715	8.36	3.57	7.35	2.35	0.70	0.11	12.14	34.58								
6725	5.73	2.47	4.00	1.28	0.62	0.09	8.35	22.54								
6730	5.20	2.17	4.00	1.28	0.15	0.02	7.52	20.34								
6735	6.31	2.62	4.71	1.51	0.15	0.02	9.11	24.43								
6740	6.76	2.89	4.41	1.41	0.62	0.09	9.82	26.00								
6745	6.94	2.88	4.71	1.51	0.15	0.02	10.02	26.23								
6750	9.00	3.79	6.47	2.07	0.48	0.07	13.04	34.92								
6755	7.49	3.17	6.29	2.01	0.48	0.07	10.86	30.37								
6760	8.10	3.42	6.29	2.01	0.48	0.07	11.74	32.11								
6765	10.34	4.34	6.47	2.07	0.48	0.07	14.97	38.74								
6775	1.09	0.45	0.94	0.30	0.00	0.00	1.57	4.35								
6780	2.84	1.17	2.00	0.64	0.00	0.00	4.10	10.75								
6785	6.74	2.77	4.18	1.34	0.00	0.00	9.71	24.74								
6790	9.07	3.73	7.35	2.35	0.00	0.00	13.08	35.58								
6795	10.99	4.52	9.12	2.92	0.00	0.00	15.83	43.38								
6800	13.23	5.44	10.65	3.41	0.00	0.00	19.07	51.80								
6805	15.08	6.21	10.65	3.41	0.00	0.00	21.74	57.09								
6815	1.09	0.45	0.94	0.30	0.00	0.00	1.57	4.35								
6820	2.42	0.99	2.06	0.66	0.00	0.00	3.48	9.61								
6825	6.51	2.68	4.12	1.32	0.00	0.00	9.37	24.00								
6830	8.73	3.59	6.77	2.16	0.00	0.00	12.58	33.83								
6835	10.98	4.52	7.00	2.24	0.00	0.00	15.82	40.56								
6845	1.07	0.44	1.71	0.55	0.00	0.00	1.54	5.31								
6850	5.50	2.26	3.06	0.98	0.00	0.00	7.93	19.73								
6855	8.67	3.57	4.71	1.51	0.00	0.00	12.50	30.96								
6860	10.80	4.44	9.18	2.94	0.00	0.00	15.56	42.92								
6865	19.02	7.83	15.41	4.93	0.00	0.00	27.41	74.60								
6875	9.51	5.08	6.49	2.60	2.72	0.41	10.13	36.94	11.89	5.21	8.49	3.40	4.52	0.68	13.50	47.69
6880	16.02	7.90	10.82	3.46	5.66	0.85	13.85	58.56	20.03	8.11	14.15	4.53	9.40	1.41	18.65	76.28
6885	19.75	9.75	12.82	4.10	7.14	1.07	15.77	70.40	24.69	10.02	16.85	5.39	11.86	1.78	21.36	91.95
6890	22.10	10.81	14.29	4.57	7.14	1.07	19.08	79.06	27.62	11.10	18.68	5.98	11.86	1.78	25.69	102.71
6895	23.46	11.35	18.48	4.81	8.61	1.29	20.22	88.22	29.32	11.66	23.98	6.23	14.95	2.24	27.22	115.60
6900	25.00	12.05	18.48	4.81	8.61	1.29	21.54	91.78	31.25	12.37	23.98	6.23	14.95	2.24	28.99	120.01
6905	30.49	14.90	17.48	5.59	9.65	1.45	24.30	103.86	38.12	15.30	22.98	7.35	16.04	2.41	32.91	135.11
6910	35.06	16.96	19.48	6.23	9.65	1.45	30.22	119.05	43.82	17.42	25.47	8.15	16.04	2.41	40.69	154.00
6915	37.91	18.25	28.75	7.47	12.81	1.92	32.66	139.77	47.39	18.74	37.30	9.70	22.24	3.34	43.96	182.67
6920	39.64	19.03	28.75	7.47	12.81	1.92	34.13	143.75	49.55	19.54	37.30	9.70	22.24	3.34	45.94	187.61
6925	43.24	20.97	28.75	7.47	16.36	2.45	37.29	156.53	54.05	21.53	37.30	9.70	28.42	4.26	50.20	205.46
6930	39.02	19.15	21.37	6.84	13.10	1.96	31.13	132.57	48.78	19.67	28.08	8.99	21.75	3.26	42.15	172.68
6935	48.86	23.59	39.02	10.14	17.37	2.61	42.11	183.70	61.08	24.23	50.62	13.16	30.17	4.53	56.68	240.47
6950	14.06	6.84	9.91	3.17	4.18	0.63	12.13	50.92	17.57	7.02	12.96	4.15	6.95	1.04	16.33	66.02
6955	18.82	9.21	12.63	4.04	6.02	0.90	15.01	66.63	23.53	9.45	16.59	5.31	10.01	1.50	20.32	86.71
6960	20.54	10.32	14.07	4.50	8.95	1.34	17.82	77.54	25.68	10.60	18.40	5.89	14.86	2.23	23.99	101.65
6965	22.45	10.89	20.37	5.30	8.61	1.29	19.36	88.27	28.06	11.19	26.43	6.87	14.95	2.24	26.06	115.80
6970	27.14	12.96	20.37	5.30	8.06	1.21	23.34	98.38	33.92	13.31	26.43	6.87	14.00	2.10	31.42	128.05
6980	9.51	5.04	5.41	2.16	2.37	0.35	10.10	34.94	11.89	5.16	7.08	2.83	3.93	0.59	13.47	44.95
6985	19.70	9.65	12.67	4.05	6.49	0.97	15.71	69.24	24.62	9.91	16.65	5.33	10.78	1.62	21.27	90.18
6990	23.37	11.31	20.99	5.46	8.61	1.29	20.15	91.18	29.21	11.61	27.23	7.08	14.95	2.24	27.12	119.44
6995	22.21	10.79	14.11	4.52	6.49	0.97	19.16	78.25	27.76	11.08	18.45	5.91	10.78	1.62	25.79	101.39

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	TOTAL RATE	
7005	10.10	5.33	7.58	3.03	2.37	0.35	10.72	39.48	12.62	5.46	9.91	3.96	3.93	0.59	14.30	50.77
7010	14.40	6.99	10.82	3.46	4.18	0.63	12.43	52.91	18.01	7.18	14.15	4.53	6.95	1.04	16.73	68.59
7020	20.78	10.14	13.42	4.29	6.49	0.97	17.94	74.03	25.98	10.42	17.55	5.62	10.78	1.62	24.15	96.12
7025	32.72	16.07	18.45	5.91	11.12	1.67	26.10	112.04	40.90	16.51	24.25	7.76	18.48	2.77	35.35	146.02
7030	21.41	10.33	11.83	3.08	7.51	1.13	18.45	73.74	26.77	10.61	15.34	3.99	13.04	1.96	24.84	96.55
7035	36.24	17.46	25.42	6.61	12.44	1.87	31.22	131.26	45.30	17.93	32.98	8.57	21.61	3.24	42.03	171.66
7040	42.60	20.54	29.45	7.66	14.76	2.21	36.70	153.92	53.25	21.09	38.20	9.93	25.63	3.84	49.40	201.34
7055	5.01	2.94	0.00	0.13	1.49	0.22	4.67	14.46	6.01	2.99	0.00	0.13	1.94	0.29	6.01	17.37
7060	6.37	3.88	0.00	0.13	2.67	0.40	5.98	19.43	7.64	3.95	0.00	0.13	3.49	0.52	7.69	23.42
7070	2.49	1.51	0.00	0.08	0.97	0.15	2.34	7.54	2.99	1.54	0.00	0.08	1.27	0.19	3.01	9.08
7080	7.52	3.82	6.58	1.84	0.77	0.12	7.92	28.57	9.40	3.92	8.60	2.41	1.32	0.20	11.22	37.07
7085	11.66	5.97	13.16	3.68	1.58	0.24	12.30	48.59	14.58	6.12	17.21	4.82	2.69	0.40	17.43	63.25
7095	10.77	5.42	13.77	3.85	0.43	0.07	11.31	45.62	13.46	5.55	18.00	5.04	0.71	0.11	16.03	58.90
7105	3.06	1.66	2.96	1.06	0.00	0.00	4.88	13.62	3.82	1.70	3.90	1.40	0.00	0.00	6.66	17.48
7110	0.66	0.32	0.00	0.08	0.00	0.00	0.71	1.77	0.82	0.33	0.00	0.08	0.00	0.00	1.00	2.23
7115	4.27	2.32	3.64	1.31	0.00	0.00	6.81	18.35	5.34	2.37	4.80	1.73	0.00	0.00	9.29	23.53
7120	0.87	0.43	0.00	0.08	0.00	0.00	0.94	2.32	1.08	0.44	0.00	0.08	0.00	0.00	1.32	2.92
7125	0.66	0.33	0.00	0.08	0.00	0.00	0.72	1.79	0.83	0.33	0.00	0.08	0.00	0.00	1.01	2.25
7130	6.26	3.40	4.78	1.72	0.00	0.00	9.98	26.14	7.82	3.48	6.29	2.27	0.00	0.00	13.61	33.47
7135	1.09	0.54	0.00	0.08	0.00	0.00	1.18	2.89	1.36	0.55	0.00	0.08	0.00	0.00	1.66	3.65
7140	0.86	0.42	0.00	0.08	0.00	0.00	0.94	2.30	1.08	0.43	0.00	0.08	0.00	0.00	1.32	2.91
7145	8.43	4.58	6.37	2.29	0.00	0.00	13.45	35.12	10.53	4.68	8.39	3.02	0.00	0.00	18.34	44.96
7150	1.12	0.55	0.00	0.08	0.00	0.00	1.21	2.96	1.40	0.56	0.00	0.08	0.00	0.00	1.71	3.75
7155	1.26	0.62	0.00	0.08	0.00	0.00	1.36	3.32	1.57	0.63	0.00	0.08	0.00	0.00	1.92	4.20
7160	12.19	6.63	9.10	3.28	0.00	0.00	19.45	50.65	15.24	6.77	11.99	4.32	0.00	0.00	26.53	64.85
7165	1.73	0.85	0.00	0.08	0.00	0.00	1.88	4.54	2.17	0.88	0.00	0.08	0.00	0.00	2.65	5.78
7170	1.90	0.94	0.00	0.08	0.00	0.00	2.06	4.98	2.37	0.96	0.00	0.08	0.00	0.00	2.90	6.31
7175	1.51	0.75	0.00	0.08	0.00	0.00	1.64	3.98	1.89	0.76	0.00	0.08	0.00	0.00	2.31	5.04
7180	21.73	9.75	15.25	4.27	0.00	0.00	24.95	75.95	27.16	10.01	20.08	5.62	0.00	0.00	34.66	97.53
7185	2.54	1.25	0.00	0.12	0.00	0.00	2.76	6.67	3.18	1.28	0.00	0.12	0.00	0.00	3.88	8.46
7190	2.80	1.38	0.00	0.13	0.00	0.00	3.04	7.35	3.50	1.42	0.00	0.13	0.00	0.00	4.28	9.33
7195	2.57	1.27	0.00	0.13	0.00	0.00	2.79	6.76	3.21	1.30	0.00	0.13	0.00	0.00	3.92	8.56
7200	0.08	0.04	0.00	0.05	0.00	0.00	0.08	0.25	0.10	0.04	0.00	0.05	0.00	0.00	0.12	0.31
7205	24.21	12.80	20.93	5.02	0.00	0.00	27.81	90.77	29.05	13.03	27.57	6.62	0.00	0.00	37.07	113.34
7210	3.54	1.74	0.00	0.18	0.00	0.00	3.84	9.30	4.42	1.79	0.00	0.18	0.00	0.00	5.40	11.79
7215	3.74	1.84	0.00	0.19	0.00	0.00	4.06	9.83	4.67	1.89	0.00	0.19	0.00	0.00	5.71	12.46
7220	3.11	1.53	0.00	0.16	0.00	0.00	3.38	8.18	3.89	1.57	0.00	0.16	0.00	0.00	4.76	10.38
7225	0.91	0.45	0.00	0.12	0.00	0.00	0.99	2.47	1.14	0.46	0.00	0.12	0.00	0.00	1.39	3.11
7230	0.11	0.05	0.00	0.08	0.00	0.00	0.11	0.35	0.13	0.05	0.00	0.08	0.00	0.00	0.16	0.42
7235	40.46	21.39	31.86	7.65	0.00	0.00	46.47	147.83	48.55	21.78	41.96	10.07	0.00	0.00	61.96	184.32
7240	5.35	2.64	0.00	0.28	0.00	0.00	5.82	14.09	6.69	2.70	0.00	0.28	0.00	0.00	8.18	17.85
7245	5.85	2.89	0.00	0.29	0.00	0.00	6.36	15.39	7.32	2.96	0.00	0.29	0.00	0.00	8.94	19.51
7250	0.12	0.06	0.00	0.08	0.00	0.00	0.13	0.39	0.15	0.06	0.00	0.08	0.00	0.00	0.18	0.47
7255	3.97	1.96	0.00	0.20	0.00	0.00	4.31	10.44	4.96	2.00	0.00	0.20	0.00	0.00	6.06	13.22
7265	3.46	1.88	2.87	1.03	0.00	0.00	5.53	14.77	4.33	1.93	3.78	1.36	0.00	0.00	7.54	18.94
7270	4.10	2.23	3.55	1.28	0.00	0.00	6.54	17.70	5.12	2.28	4.68	1.68	0.00	0.00	8.92	22.68
7275	4.62	2.51	4.00	1.44	0.00	0.00	7.37	19.94	5.77	2.57	5.27	1.90	0.00	0.00	10.05	25.56
7280	0.76	0.38	0.00	0.08	0.00	0.00	0.83	2.05	0.95	0.38	0.00	0.08	0.00	0.00	1.16	2.57
7285	0.76	0.37	0.00	0.05	0.00	0.00	0.83	2.01	0.95	0.38	0.00	0.05	0.00	0.00	1.16	2.54
7290	6.36	3.46	5.55	2.00	0.00	0.00	10.16	27.53	7.96	3.54	7.31	2.63	0.00	0.00	13.85	35.29
7295	0.85	0.42	0.00	0.08	0.00	0.00	0.92	2.27	1.06	0.43	0.00	0.08	0.00	0.00	1.30	2.87
7300	1.03	0.51	0.00	0.05	0.00	0.00	1.12	2.71	1.29	0.52	0.00	0.05	0.00	0.00	1.58	3.44
7305	8.20	4.46	6.83	2.46	0.00	0.00	13.08	35.03	10.24	4.55	8.99	3.24	0.00	0.00	17.84	44.86
7310	1.30	0.64	0.00	0.08	0.00	0.00	1.41	3.43	1.62	0.66	0.00	0.08	0.00	0.00	1.98	4.34
7315	1.30	0.64	0.00	0.05	0.00	0.00	1.41	3.40	1.62	0.65	0.00	0.05	0.00	0.00	1.98	4.30

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
7320	12.40	6.74	10.15	3.65	0.00	0.00	19.78	52.72	15.50	6.89	13.37	4.81	0.00	0.00	26.98	67.55
7325	1.40	0.69	0.00	0.08	0.00	0.00	1.52	3.69	1.75	0.71	0.00	0.08	0.00	0.00	2.14	4.68
7330	1.46	0.72	0.00	0.08	0.00	0.00	1.59	3.85	1.83	0.74	0.00	0.08	0.00	0.00	2.24	4.89
7335	1.97	0.97	0.00	0.05	0.00	0.00	2.14	5.13	2.46	1.00	0.00	0.05	0.00	0.00	3.01	6.52
7340	21.56	9.67	13.65	3.82	0.00	0.00	24.76	73.46	26.95	9.93	17.98	5.03	0.00	0.00	34.39	94.28
7345	2.77	1.37	0.00	0.12	0.00	0.00	3.01	7.27	3.46	1.40	0.00	0.12	0.00	0.00	4.23	9.21
7350	2.79	1.38	0.00	0.10	0.00	0.00	3.03	7.30	3.49	1.41	0.00	0.10	0.00	0.00	4.26	9.26
7355	25.91	13.70	20.71	4.97	0.00	0.00	29.76	95.05	31.09	13.95	27.27	6.55	0.00	0.00	39.68	118.54
7360	4.23	2.09	0.00	0.22	0.00	0.00	4.60	11.14	5.29	2.14	0.00	0.22	0.00	0.00	6.46	14.11
7365	4.35	2.15	0.00	0.25	0.00	0.00	4.73	11.48	5.44	2.20	0.00	0.25	0.00	0.00	6.65	14.54
7370	2.67	1.32	0.00	0.12	0.00	0.00	2.91	7.02	3.34	1.35	0.00	0.12	0.00	0.00	4.09	8.90
7375	34.64	18.31	23.89	5.73	0.00	0.00	39.79	122.36	41.57	18.65	31.47	7.55	0.00	0.00	53.05	152.29
7380	4.85	2.39	0.00	0.26	0.00	0.00	5.27	12.77	6.06	2.45	0.00	0.26	0.00	0.00	7.41	16.18
7385	5.54	2.73	0.00	0.25	0.00	0.00	6.02	14.54	6.93	2.80	0.00	0.25	0.00	0.00	8.47	18.45
7390	3.08	1.52	0.00	0.12	0.00	0.00	3.35	8.07	3.85	1.56	0.00	0.12	0.00	0.00	4.71	10.24
7400	3.81	2.07	2.96	1.06	0.00	0.00	6.08	15.98	4.76	2.12	3.90	1.40	0.00	0.00	8.29	20.47
7405	4.77	2.59	3.55	1.28	0.00	0.00	7.62	19.81	5.97	2.65	4.68	1.68	0.00	0.00	10.39	25.37
7410	6.98	3.79	5.01	1.80	0.00	0.00	11.14	28.72	8.72	3.88	6.59	2.37	0.00	0.00	15.19	36.75
7415	8.99	4.89	6.37	2.29	0.00	0.00	14.35	36.89	11.24	5.00	8.39	3.02	0.00	0.00	19.57	47.22
7420	1.06	0.52	0.00	0.05	0.00	0.00	1.16	2.79	1.33	0.54	0.00	0.05	0.00	0.00	1.63	3.55
7425	1.20	0.59	0.00	0.05	0.00	0.00	1.30	3.14	1.50	0.61	0.00	0.05	0.00	0.00	1.83	3.99
7430	13.86	7.54	9.56	3.44	0.00	0.00	22.13	56.53	17.33	7.70	12.59	4.53	0.00	0.00	30.17	72.32
7435	1.86	0.92	0.00	0.05	0.00	0.00	2.02	4.85	2.32	0.94	0.00	0.05	0.00	0.00	2.84	6.15
7440	1.29	0.64	0.00	0.05	0.00	0.00	1.41	3.39	1.62	0.65	0.00	0.05	0.00	0.00	1.98	4.30
7445	20.31	9.11	14.11	3.95	0.00	0.00	23.33	70.81	25.39	9.36	18.58	5.20	0.00	0.00	32.40	90.93
7450	2.34	1.15	0.00	0.10	0.00	0.00	2.54	6.13	2.92	1.18	0.00	0.10	0.00	0.00	3.57	7.77
7455	1.96	0.97	0.00	0.12	0.00	0.00	2.13	5.18	2.45	0.99	0.00	0.12	0.00	0.00	2.99	6.55
7460	0.80	0.39	0.00	0.08	0.00	0.00	0.87	2.14	1.00	0.40	0.00	0.08	0.00	0.00	1.22	2.70
7465	0.47	0.23	0.00	0.13	0.00	0.00	0.51	1.34	0.59	0.24	0.00	0.13	0.00	0.00	0.72	1.68
7470	0.09	0.04	0.00	0.08	0.00	0.00	0.09	0.30	0.11	0.04	0.00	0.08	0.00	0.00	0.13	0.36
7480	2.65	1.44	1.91	0.69	0.00	0.00	4.23	10.92	3.32	1.47	2.52	0.91	0.00	0.00	5.77	13.99
7485	3.74	2.03	2.96	1.06	0.00	0.00	5.97	15.76	4.68	2.08	3.90	1.40	0.00	0.00	8.14	20.20
7490	4.46	2.43	3.28	1.18	0.00	0.00	7.12	18.47	5.58	2.48	4.32	1.55	0.00	0.00	9.72	23.65
7495	8.27	4.50	5.01	1.80	0.00	0.00	13.20	32.78	10.34	4.60	6.59	2.37	0.00	0.00	18.00	41.90
7500	10.93	5.94	6.60	2.38	0.00	0.00	17.44	43.29	13.66	6.07	8.69	3.13	0.00	0.00	23.78	55.33
7510	3.15	1.71	3.00	1.08	0.00	0.00	5.02	13.96	3.94	1.75	3.96	1.42	0.00	0.00	6.85	17.92
7515	0.54	0.27	0.00	0.05	0.00	0.00	0.59	1.45	0.68	0.27	0.00	0.05	0.00	0.00	0.83	1.83
7520	4.73	2.57	4.10	1.47	0.00	0.00	7.54	20.41	5.91	2.63	5.39	1.94	0.00	0.00	10.29	26.16
7525	0.40	0.20	0.00	0.05	0.00	0.00	0.44	1.09	0.50	0.20	0.00	0.05	0.00	0.00	0.61	1.36
7530	6.84	3.72	5.37	1.93	0.00	0.00	10.92	28.78	8.55	3.80	7.07	2.55	0.00	0.00	14.88	36.85
7535	0.67	0.33	0.00	0.05	0.00	0.00	0.73	1.78	0.84	0.34	0.00	0.05	0.00	0.00	1.03	2.26
7540	9.64	5.24	7.05	2.54	0.00	0.00	15.38	39.85	12.05	5.36	9.29	3.34	0.00	0.00	20.98	51.02
7545	0.89	0.44	0.00	0.05	0.00	0.00	0.96	2.34	1.11	0.45	0.00	0.05	0.00	0.00	1.35	2.96
7550	12.12	6.59	10.01	3.60	0.00	0.00	19.34	51.66	15.15	6.73	13.19	4.75	0.00	0.00	26.37	66.19
7555	1.39	0.69	0.00	0.08	0.00	0.00	1.51	3.67	1.74	0.70	0.00	0.08	0.00	0.00	2.12	4.64
7560	1.48	0.73	0.00	0.10	0.00	0.00	1.61	3.92	1.85	0.75	0.00	0.10	0.00	0.00	2.26	4.96
7565	19.70	8.84	14.56	4.08	0.00	0.00	22.63	69.81	24.63	9.08	19.18	5.37	0.00	0.00	31.43	89.69
7570	1.91	0.94	0.00	0.14	0.00	0.00	2.08	5.07	2.39	0.97	0.00	0.14	0.00	0.00	2.92	6.42
7575	2.01	0.99	0.00	0.14	0.00	0.00	2.19	5.33	2.52	1.02	0.00	0.14	0.00	0.00	3.08	6.76
7580	26.47	11.88	18.66	5.22	0.00	0.00	30.40	92.63	33.09	12.20	24.58	6.88	0.00	0.00	42.23	118.98
7585	2.61	1.29	0.00	0.20	0.00	0.00	2.83	6.93	3.26	1.32	0.00	0.20	0.00	0.00	3.99	8.77
7590	2.38	1.18	0.00	0.18	0.00	0.00	2.59	6.33	2.98	1.20	0.00	0.18	0.00	0.00	3.64	8.00
7595	38.88	20.55	28.22	6.77	0.00	0.00	44.65	139.07	46.65	20.93	37.16	8.92	0.00	0.00	59.53	173.19
7600	5.95	2.93	0.00	0.24	0.00	0.00	6.46	15.58	7.43	3.00	0.00	0.24	0.00	0.00	9.08	19.75
7605	5.58	2.75	0.00	0.21	0.00	0.00	6.06	14.60	6.98	2.82	0.00	0.21	0.00	0.00	8.53	18.54

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
7610	5.22	2.57	0.00	0.19	0.00	0.00	5.67	13.65	6.52	2.64	0.00	0.19	0.00	0.00	7.97	17.32
7620	12.32	6.70	9.33	3.36	0.00	0.00	19.66	51.37	15.40	6.85	12.29	4.42	0.00	0.00	26.82	65.78
7625	1.32	0.65	0.00	0.05	0.00	0.00	1.44	3.46	1.65	0.67	0.00	0.05	0.00	0.00	2.02	4.39
7630	1.49	0.73	0.00	0.05	0.00	0.00	1.61	3.88	1.86	0.75	0.00	0.05	0.00	0.00	2.27	4.93
7635	1.52	0.75	0.00	0.05	0.00	0.00	1.65	3.97	1.90	0.77	0.00	0.05	0.00	0.00	2.32	5.04
7640	16.38	7.35	11.83	3.31	0.00	0.00	18.81	57.68	20.47	7.55	15.58	4.36	0.00	0.00	26.13	74.09
7645	1.88	0.93	0.00	0.05	0.00	0.00	2.04	4.90	2.35	0.95	0.00	0.05	0.00	0.00	2.87	6.22
7650	2.47	1.22	0.00	0.05	0.00	0.00	2.68	6.42	3.08	1.25	0.00	0.05	0.00	0.00	3.77	8.15
7655	2.06	1.02	0.00	0.05	0.00	0.00	2.24	5.37	2.58	1.04	0.00	0.05	0.00	0.00	3.15	6.82
7660	21.88	9.82	15.93	4.46	0.00	0.00	25.13	77.22	27.35	10.08	20.98	5.87	0.00	0.00	34.91	99.19
7665	2.46	1.21	0.00	0.12	0.00	0.00	2.67	6.46	3.07	1.24	0.00	0.12	0.00	0.00	3.75	8.18
7670	2.69	1.33	0.00	0.13	0.00	0.00	2.93	7.08	3.37	1.36	0.00	0.13	0.00	0.00	4.11	8.97
7675	2.35	1.16	0.00	0.11	0.00	0.00	2.56	6.18	2.94	1.19	0.00	0.11	0.00	0.00	3.60	7.84
7680	0.10	0.05	0.00	0.05	0.00	0.00	0.11	0.31	0.13	0.05	0.00	0.05	0.00	0.00	0.15	0.38
7685	0.62	0.30	0.00	0.11	0.00	0.00	0.67	1.70	0.77	0.31	0.00	0.11	0.00	0.00	0.94	2.13
7695	12.36	6.47	8.86	2.48	2.41	0.36	10.54	43.48	15.45	6.63	11.65	3.26	5.05	0.76	14.27	57.07
7700	17.51	9.46	12.65	3.54	5.62	0.84	15.03	64.65	21.89	9.69	16.65	4.66	11.77	1.76	20.35	86.77
7705	24.59	13.56	18.98	5.31	7.18	1.08	21.20	91.90	30.73	13.89	24.97	6.99	15.04	2.26	28.71	122.59
7715	19.21	10.34	12.74	3.57	5.88	0.88	16.47	69.09	24.01	10.59	16.76	4.69	12.32	1.85	22.31	92.53
7720	31.54	17.49	24.13	6.76	9.74	1.46	27.24	118.36	39.42	17.91	31.75	8.89	20.40	3.06	36.88	158.31
7730	1.06	0.56	1.81	0.51	0.22	0.03	0.91	5.10	1.33	0.57	2.39	0.67	0.46	0.07	1.23	6.72
7735	1.20	0.63	2.11	0.59	0.22	0.03	1.03	5.81	1.50	0.65	2.77	0.78	0.46	0.07	1.39	7.62
7740	1.35	0.71	2.62	0.73	0.27	0.04	1.15	6.87	1.68	0.73	3.44	0.96	0.55	0.08	1.56	9.00
7750	0.25	0.13	0.80	0.22	0.03	0.01	0.32	1.76	0.31	0.14	1.04	0.29	0.05	0.01	0.44	2.28
7755	1.07	0.54	1.59	0.45	0.06	0.01	1.34	5.06	1.34	0.56	2.07	0.58	0.09	0.01	1.86	6.51
7760	1.48	0.75	2.48	0.69	0.06	0.01	1.86	7.33	1.85	0.77	3.23	0.90	0.09	0.01	2.58	9.43
7765	2.74	1.40	2.70	0.76	0.19	0.03	3.44	11.26	3.42	1.43	3.55	0.99	0.27	0.04	4.77	14.47
7770	5.57	2.83	4.43	1.24	0.33	0.05	6.99	21.44	6.97	2.90	5.83	1.63	0.46	0.07	9.71	27.57
7785	1.82	0.92	1.01	0.28	0.06	0.01	2.28	6.38	2.27	0.94	1.33	0.37	0.09	0.01	3.16	8.17
7790	3.56	1.80	1.86	0.52	0.19	0.03	4.46	12.42	4.45	1.85	2.44	0.68	0.27	0.04	6.20	15.93
7795	3.94	1.99	2.32	0.65	0.19	0.03	4.94	14.06	4.93	2.04	3.05	0.85	0.27	0.04	6.86	18.04
7800	6.43	3.19	4.77	1.33	0.00	0.00	8.03	23.75	8.04	3.27	6.27	1.76	0.00	0.00	11.15	30.49
7805	12.59	6.25	7.38	2.07	0.00	0.00	15.71	44.00	15.74	6.40	9.71	2.72	0.00	0.00	21.82	56.39
7815	10.36	5.14	4.22	1.18	0.00	0.00	12.92	33.82	12.94	5.26	5.55	1.55	0.00	0.00	17.94	43.24
7820	15.11	7.50	6.75	1.89	0.00	0.00	18.85	50.10	18.88	7.68	8.88	2.49	0.00	0.00	26.18	64.11
7825	19.27	9.56	6.75	1.89	0.00	0.00	24.05	61.52	24.09	9.80	8.88	2.49	0.00	0.00	33.40	78.66
7835	8.30	4.12	2.83	0.79	0.00	0.00	10.36	26.40	10.38	4.22	3.72	1.04	0.00	0.00	14.38	33.74
7840	9.04	4.49	2.83	0.79	0.00	0.00	11.28	28.43	11.30	4.60	3.72	1.04	0.00	0.00	15.67	36.33
7845	9.32	4.62	2.83	0.79	0.00	0.00	11.62	29.18	11.64	4.74	3.72	1.04	0.00	0.00	16.14	37.28
7850	17.56	8.71	6.33	1.77	0.00	0.00	21.91	56.28	21.95	8.93	8.32	2.33	0.00	0.00	30.43	71.96
7855	21.87	10.85	7.38	2.07	0.00	0.00	27.29	69.46	27.34	11.12	9.71	2.72	0.00	0.00	37.90	88.79
7870	0.93	0.34	3.16	0.88	0.12	0.02	1.02	6.47	1.12	0.35	4.21	1.18	0.15	0.02	1.40	8.43
7875	1.16	0.42	3.16	0.88	0.14	0.02	1.26	7.04	1.39	0.43	4.21	1.18	0.19	0.03	1.73	9.16
7880	0.97	0.37	3.16	0.88	0.19	0.03	1.07	6.67	1.17	0.38	4.21	1.18	0.23	0.03	1.46	8.66
7885	1.18	0.44	3.16	0.88	0.22	0.03	1.29	7.20	1.42	0.45	4.21	1.18	0.29	0.04	1.77	9.36
7890	1.08	0.42	3.16	0.88	0.30	0.04	1.19	7.07	1.30	0.43	4.21	1.18	0.38	0.06	1.64	9.20
7895	1.46	0.72	7.22	2.17	0.38	0.06	1.38	13.39	1.95	0.74	9.29	2.79	0.49	0.07	2.15	17.48
7900	2.03	0.98	4.54	1.18	0.38	0.06	1.91	11.08	2.71	1.01	5.90	1.53	0.49	0.07	2.96	14.67
7905	1.69	0.82	8.30	2.49	0.38	0.06	1.59	15.33	2.26	0.85	10.67	3.20	0.49	0.07	2.48	20.02
7910	2.31	1.10	4.54	1.18	0.38	0.06	2.16	11.73	3.08	1.14	5.90	1.53	0.49	0.07	3.36	15.57
7915	1.85	0.91	8.30	2.49	0.47	0.07	1.75	15.84	2.47	0.94	10.67	3.20	0.59	0.09	2.72	20.68
7920	2.30	1.16	4.54	1.18	0.81	0.12	2.19	12.30	3.07	1.20	5.90	1.53	1.03	0.15	3.40	16.28
7925	3.10	1.37	15.54	4.97	0.82	0.12	2.71	28.63	4.13	1.43	20.02	6.41	1.06	0.16	4.22	37.43
7930	4.25	1.87	7.35	2.06	0.98	0.15	3.72	20.38	5.67	1.94	9.55	2.68	1.27	0.19	5.78	27.08
7935	4.45	1.95	7.35	2.06	1.01	0.15	3.89	20.86	5.94	2.03	9.55	2.68	1.29	0.19	6.05	27.73

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	
7940	4.19	1.85	7.35	2.06	1.01	0.15	3.67	20.28	5.59	1.92	9.55	2.68	1.29	0.19	5.71	26.93
7945	4.93	2.15	7.35	2.06	1.01	0.15	4.30	21.95	6.57	2.23	9.55	2.68	1.29	0.19	6.69	29.20
7950	6.48	2.83	10.04	2.81	1.33	0.20	5.66	29.35	8.64	2.94	13.05	3.65	1.71	0.26	8.80	39.05
7955	6.86	3.00	10.04	2.81	1.43	0.21	5.99	30.34	9.15	3.12	13.05	3.65	1.84	0.28	9.32	40.41
7960	6.49	2.85	10.04	2.81	1.43	0.21	5.68	29.51	8.66	2.96	13.05	3.65	1.84	0.28	8.83	39.27
7965	6.41	2.78	12.01	3.36	1.20	0.18	5.59	31.53	8.55	2.89	15.62	4.37	1.55	0.23	8.70	41.91
7975	1.04	0.38	3.32	0.93	0.15	0.02	1.13	6.97	1.25	0.39	4.42	1.24	0.19	0.03	1.56	9.08
7980	1.33	0.49	3.22	0.90	0.15	0.02	1.45	7.56	1.59	0.50	4.29	1.20	0.19	0.03	1.98	9.78
7985	1.45	0.53	3.32	0.93	0.16	0.02	1.58	7.99	1.74	0.54	4.42	1.24	0.21	0.03	2.16	10.34
7990	1.35	0.50	3.32	0.93	0.16	0.02	1.47	7.75	1.62	0.51	4.42	1.24	0.20	0.03	2.02	10.04
7995	1.45	0.53	3.32	0.93	0.19	0.03	1.58	8.03	1.74	0.54	4.42	1.24	0.25	0.04	2.16	10.39
8000	1.31	0.50	3.22	0.90	0.30	0.04	1.44	7.71	1.58	0.51	4.29	1.20	0.38	0.06	1.98	10.00
8005	1.34	0.66	7.55	2.27	0.38	0.06	1.26	13.52	1.78	0.68	9.71	2.91	0.49	0.07	1.97	17.61
8010	1.46	0.72	7.55	2.27	0.38	0.06	1.38	13.82	1.94	0.74	9.71	2.91	0.49	0.07	2.14	18.00
8015	2.09	1.01	4.62	1.20	0.38	0.06	1.96	11.32	2.79	1.04	6.01	1.56	0.49	0.07	3.05	15.01
8020	1.55	0.77	8.40	2.52	0.47	0.07	1.46	15.24	2.06	0.80	10.79	3.24	0.59	0.09	2.28	19.85
8025	3.09	1.49	6.30	1.64	0.61	0.09	2.90	16.12	4.12	1.54	8.19	2.13	0.77	0.12	4.52	21.39
8030	2.91	1.33	14.42	4.62	1.07	0.16	2.57	27.08	3.88	1.38	18.58	5.95	1.38	0.21	3.99	35.37
8035	3.53	1.58	8.61	2.41	1.07	0.16	3.10	20.46	4.70	1.64	11.19	3.13	1.38	0.21	4.82	27.07
8040	4.11	1.79	9.87	2.76	0.76	0.11	3.58	22.98	5.48	1.86	12.83	3.59	0.97	0.15	5.57	30.45
8045	4.60	2.02	8.82	2.47	1.07	0.16	4.02	23.16	6.13	2.10	11.47	3.21	1.38	0.21	6.26	30.76
8050	4.26	2.04	6.44	1.67	0.76	0.11	3.99	19.27	5.68	2.11	8.37	2.18	0.95	0.14	6.21	25.64
8055	5.37	2.34	12.60	3.53	1.07	0.16	4.69	29.76	7.17	2.43	16.38	4.59	1.38	0.21	7.29	39.45
8060	5.49	2.42	12.89	3.61	1.27	0.19	4.80	30.67	7.32	2.51	16.76	4.69	1.62	0.24	7.47	40.61
8065	6.44	2.83	12.89	3.61	1.47	0.22	5.63	33.09	8.59	2.94	16.76	4.69	1.89	0.28	8.76	43.91
8075	1.57	0.75	4.34	1.13	0.28	0.04	1.47	9.58	2.09	0.78	5.64	1.47	0.35	0.05	2.29	12.67
8080	1.41	0.68	6.89	2.07	0.28	0.04	1.32	12.69	1.88	0.70	8.86	2.66	0.35	0.05	2.06	16.56
8085	2.03	0.96	4.62	1.20	0.28	0.04	1.90	11.03	2.71	1.00	6.01	1.56	0.35	0.05	2.96	14.64
8090	2.57	1.22	5.04	1.31	0.38	0.06	2.41	12.99	3.43	1.27	6.55	1.70	0.49	0.07	3.74	17.25
8095	4.24	1.87	8.82	2.47	1.07	0.16	3.71	22.34	5.65	1.95	11.47	3.21	1.38	0.21	5.77	29.64
8100	5.64	2.45	9.66	2.70	1.07	0.16	4.92	26.60	7.52	2.55	12.56	3.52	1.38	0.21	7.65	35.39
8105	5.94	2.57	12.60	3.53	1.07	0.16	5.18	31.05	7.93	2.67	16.38	4.59	1.38	0.21	8.06	41.22
8110	5.79	2.51	8.82	2.47	1.07	0.16	5.05	25.87	7.72	2.61	11.47	3.21	1.38	0.21	7.86	34.46
8115	6.06	2.62	9.66	2.70	1.07	0.16	5.28	27.55	8.08	2.73	12.56	3.52	1.38	0.21	8.22	36.70
8125	6.36	2.75	12.60	3.53	1.12	0.17	5.54	32.07	8.48	2.86	16.38	4.59	1.45	0.22	8.62	42.60
8130	6.41	2.77	12.60	3.53	1.12	0.17	5.59	32.19	8.55	2.88	16.38	4.59	1.45	0.22	8.69	42.76
8135	6.91	2.98	11.34	3.18	1.12	0.17	6.02	31.72	9.22	3.10	14.74	4.13	1.45	0.22	9.36	42.22
8145	6.99	3.04	10.29	2.88	1.42	0.21	6.10	30.93	9.32	3.16	13.38	3.75	1.86	0.28	9.48	41.23
8150	6.19	2.68	12.60	3.53	1.12	0.17	5.40	31.69	8.26	2.79	16.38	4.59	1.45	0.22	8.40	42.09
8155	5.97	2.59	12.60	3.53	1.12	0.17	5.21	31.19	7.96	2.69	16.38	4.59	1.45	0.22	8.10	41.39
8160	6.74	2.91	14.70	4.12	1.12	0.17	5.87	35.63	8.99	3.02	19.11	5.35	1.45	0.22	9.13	47.27
8170	2.65	1.08	0.00	0.10	0.00	0.00	2.58	6.41								
8175	3.17	1.29	0.00	0.10	0.00	0.00	3.08	7.64								
8180	4.93	2.01	0.00	0.10	0.00	0.00	4.79	11.83								
8185	6.07	2.47	0.00	0.10	0.00	0.00	5.90	14.54								
8190	6.78	2.76	0.00	0.10	0.00	0.00	6.58	16.22								
8200	0.65	0.26	0.00	0.09	0.00	0.00	0.63	1.63	0.86	0.27	0.00	0.09	0.00	0.00	0.96	2.18
8205	1.03	0.42	0.00	0.09	0.00	0.00	1.00	2.54	1.37	0.43	0.00	0.09	0.00	0.00	1.52	3.41
8210	1.04	0.42	0.00	0.09	0.00	0.00	1.01	2.56	1.39	0.44	0.00	0.09	0.00	0.00	1.54	3.46
8215	1.06	0.43	0.00	0.09	0.00	0.00	1.03	2.61	1.41	0.45	0.00	0.09	0.00	0.00	1.56	3.51
8225	0.21	0.09	0.00	0.00	0.00	0.00	0.21	0.51								
8230	0.22	0.09	0.00	0.00	0.00	0.00	0.21	0.52								
8235	0.24	0.10	0.00	0.00	0.00	0.00	0.24	0.58								
8240	0.29	0.12	0.00	0.00	0.00	0.00	0.28	0.69								
8245	0.32	0.13	0.00	0.00	0.00	0.00	0.31	0.76								

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
8250	0.29	0.12	0.00	0.00	0.00	0.00	0.28	0.69								
8260	0.24	0.10	0.00	0.09	0.00	0.00	0.23	0.66								
8265	0.28	0.11	0.00	0.09	0.00	0.00	0.27	0.75								
8270	0.77	0.31	0.00	0.09	0.00	0.00	0.75	1.92								
8275	0.86	0.35	0.00	0.09	0.00	0.00	0.84	2.14								
8285	2.72	1.11	0.00	0.13	0.00	0.00	2.65	6.61								
8290	2.77	1.13	0.00	0.13	0.00	0.00	2.69	6.72								
8295	2.80	1.14	0.00	0.13	0.00	0.00	2.72	6.79								
8300	2.85	1.16	0.00	0.13	0.00	0.00	2.77	6.91								
8310	1.22	0.50	0.00	0.00	0.00	0.00	1.19	2.91								
8315	1.29	0.53	0.00	0.00	0.00	0.00	1.26	3.08								
8320	1.38	0.56	0.00	0.00	0.00	0.00	1.34	3.28								
8330	2.15	1.06	0.00	0.09	0.53	0.08	1.71	5.62								
8335	2.58	1.26	0.00	0.09	0.53	0.08	2.04	6.58								
8340	2.64	1.28	0.00	0.09	0.53	0.08	2.08	6.70								
8345	3.10	1.52	0.00	0.09	0.68	0.10	2.46	7.95								
8350	3.67	1.77	0.00	0.09	0.67	0.10	2.90	9.20								
8355	7.32	3.69	0.00	0.09	2.28	0.34	5.83	19.55								
8360	8.06	4.11	0.00	0.09	2.76	0.41	6.43	21.86								
8370	2.90	1.40	0.00	0.09	0.53	0.08	2.29	7.29								
8380	1.34	0.91	0.00	0.09	0.42	0.06	1.11	3.93								
8385	1.48	1.01	0.00	0.09	0.48	0.07	1.22	4.35								
8390	1.62	1.11	0.00	0.09	0.53	0.08	1.34	4.77								
8395	1.86	1.28	0.00	0.13	0.64	0.10	1.54	5.55								
8400	1.92	1.34	0.00	0.13	0.72	0.11	1.60	5.82								
8405	2.22	1.54	0.00	0.13	0.79	0.12	1.85	6.65								
8410	2.37	1.67	0.00	0.13	0.97	0.15	1.99	7.28								
8415	2.94	2.02	0.00	0.13	0.97	0.15	2.44	8.65								
8420	3.05	2.08	0.00	0.13	0.97	0.15	2.53	8.91								
8425	3.51	2.38	0.00	0.17	1.05	0.16	2.90	10.17								
8430	3.77	2.57	0.00	0.17	1.18	0.18	3.12	10.99								
8435	4.16	2.83	0.00	0.17	1.30	0.19	3.44	12.09								
8440	4.65	3.28	0.00	0.17	1.94	0.29	3.90	14.23								
8445	1.07	0.77	0.00	0.09	0.53	0.08	0.91	3.45								
8455	1.06	0.77	0.00	0.09	0.53	0.08	0.89	3.42								
8465	1.30	0.91	0.00	0.11	0.53	0.08	1.09	4.02								
8470	1.31	0.92	0.00	0.11	0.53	0.08	1.10	4.05								
8480	0.69	0.50	0.00	0.10	0.32	0.05	0.58	2.24								
8485	0.78	0.56	0.00	0.10	0.40	0.06	0.66	2.56								
8490	0.84	0.61	0.00	0.10	0.44	0.07	0.71	2.77								
8500	2.10	1.28	2.66	0.74	0.19	0.03	1.47	8.47								
8505	2.16	1.36	2.66	0.74	0.38	0.06	1.52	8.88								
8510	2.27	1.43	2.66	0.74	0.38	0.06	1.60	9.14								
8520	19.66	11.03	11.99	4.08	5.58	0.84	15.39	68.57								
8525	27.19	15.46	17.32	5.89	9.61	1.44	21.34	98.25								
8530	37.00	21.57	23.18	7.88	12.85	1.93	29.16	133.57								
8535	17.42	9.84	11.99	4.08	5.58	0.84	13.66	63.41								
8540	25.19	14.67	17.32	5.89	12.12	1.82	19.85	96.86								
8550	12.82	7.26	6.26	2.13	3.49	0.52	10.05	42.53								
8555	15.44	8.68	6.79	2.31	3.66	0.55	12.10	49.53								
8560	15.54	9.07	6.79	2.31	6.17	0.93	12.25	53.06								
8565	26.15	15.14	11.99	4.08	9.47	1.42	20.58	88.83								
8575	12.85	7.24	5.70	1.94	2.82	0.42	10.07	41.04								
8580	20.55	11.45	11.99	4.08	5.05	0.76	16.08	69.96								
8585	26.44	15.06	16.20	5.51	9.61	1.44	20.76	95.02								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	TOTAL RATE		
8590	34.66	20.13	17.21	5.85	11.53	1.73	27.30	118.41	41.60	20.50	22.23	7.56	19.22	2.88	38.22	152.21
8595	35.46	20.75	20.11	6.84	12.85	1.93	27.96	125.90	42.55	21.13	25.98	8.83	21.43	3.21	39.14	162.27
8605	26.12	14.58	15.45	5.25	7.74	1.16	20.43	90.73	31.34	14.85	19.96	6.79	13.27	1.99	28.61	116.81
8615	11.44	6.42	5.73	1.95	3.27	0.49	8.96	38.26	13.73	6.54	7.40	2.52	5.45	0.82	12.54	49.00
8620	16.40	9.22	8.55	2.91	4.81	0.72	12.85	55.46	19.68	9.39	11.05	3.76	8.03	1.20	17.99	71.10
8625	19.66	11.42	13.13	4.47	9.15	1.37	15.49	74.69	23.60	11.63	16.96	5.77	15.26	2.29	21.68	97.19
8630	26.56	15.40	16.62	5.65	12.12	1.82	20.91	99.08	31.87	15.68	21.47	7.30	20.21	3.03	29.28	128.84
8635	37.16	21.66	22.38	7.61	12.85	1.93	29.28	132.87	44.60	22.05	28.90	9.83	21.43	3.21	41.00	171.02
8645	20.29	11.36	11.19	3.80	5.58	0.84	15.88	68.94	24.35	11.57	14.45	4.91	9.31	1.40	22.24	88.23
8650	27.78	15.77	15.34	5.22	9.61	1.44	21.79	96.95	33.33	16.06	19.82	6.74	16.03	2.40	30.51	124.89
8655	29.69	17.06	17.10	5.81	12.12	1.82	23.34	106.94	35.63	17.37	22.09	7.51	20.21	3.03	32.68	138.52
8660	33.03	19.14	18.09	6.15	10.74	1.61	26.00	114.76	39.63	19.49	23.36	7.94	17.91	2.69	36.40	147.42
8665	36.63	21.37	21.79	7.41	12.85	1.93	28.87	130.85	43.95	21.76	28.15	9.57	21.43	3.21	40.41	168.48
8675	7.87	5.48	6.33	2.02	1.91	0.29	7.09	30.99	9.44	5.57	8.32	2.66	2.57	0.39	9.22	38.17
8680	13.49	9.62	13.92	4.45	4.34	0.65	12.24	58.71	16.18	9.77	18.31	5.86	5.84	0.88	15.91	72.75
8685	18.28	13.17	18.98	6.07	6.45	0.97	16.64	80.56	21.94	13.36	24.97	7.99	8.69	1.30	21.63	99.88
8690	18.83	13.52	18.98	6.07	6.45	0.97	17.12	81.94	22.60	13.72	24.97	7.99	8.69	1.30	22.26	101.53
8695	20.98	15.22	23.20	7.42	7.93	1.19	19.13	95.07	25.18	15.45	30.52	9.77	10.68	1.60	24.87	118.07
8700	22.32	16.08	23.20	7.42	7.93	1.19	20.31	98.45	26.78	16.32	30.52	9.77	10.68	1.60	26.41	122.08
8710	13.39	9.56	13.92	4.45	4.34	0.65	12.15	58.46	16.06	9.70	18.31	5.86	5.84	0.88	15.80	72.45
8715	18.20	13.11	18.98	6.07	6.45	0.97	16.57	80.35	21.84	13.31	24.97	7.99	8.69	1.30	21.54	99.64
8720	18.48	13.29	18.98	6.07	6.45	0.97	16.81	81.05	22.18	13.49	24.97	7.99	8.69	1.30	21.86	100.48
8725	22.51	16.21	23.20	7.42	7.93	1.19	20.48	98.94	27.01	16.45	30.52	9.77	10.68	1.60	26.63	122.66
8730	22.90	16.46	23.20	7.42	7.93	1.19	20.83	99.93	27.48	16.70	30.52	9.77	10.68	1.60	27.08	123.83
8740	16.52	9.51	13.92	4.45	5.83	0.87	12.99	64.09	19.83	9.68	18.31	5.86	9.76	1.46	18.19	83.09
8745	24.92	14.50	18.98	6.07	9.25	1.39	19.63	94.74	29.90	14.76	24.97	7.99	15.01	2.25	27.48	122.36
8750	38.65	23.06	27.42	8.77	20.50	3.08	30.58	152.06	46.38	23.48	36.07	11.54	34.47	5.17	42.81	199.92
8760	14.82	8.63	11.68	3.74	5.86	0.88	11.68	57.29	17.79	8.79	15.37	4.92	9.68	1.45	16.35	74.35
8765	26.40	14.70	17.84	5.71	4.00	0.60	20.65	89.90	31.68	14.97	23.48	7.51	6.57	0.99	28.91	114.11
8775	17.33	9.96	13.92	4.45	6.00	0.90	13.63	66.19	20.80	10.15	18.31	5.86	10.02	1.50	19.08	85.72
8780	24.67	14.11	18.98	6.07	8.05	1.21	19.38	92.47	29.60	14.37	24.97	7.99	13.49	2.02	27.13	119.57
8790	4.43	1.42	5.66	1.58	0.04	0.01	6.78	19.92								
8795	6.74	2.15	9.95	2.78	0.04	0.01	10.30	31.97								
8805	1.12	0.66	0.00	0.01	0.00	0.00	0.78	2.57								
8810	1.31	0.77	0.00	0.01	0.00	0.00	0.91	3.00								
8815	1.52	0.89	0.00	0.01	0.00	0.00	1.06	3.48								
8825	1.90	1.16	0.71	0.18	0.17	0.03	1.33	5.48								
8830	2.18	1.32	0.71	0.18	0.17	0.03	1.52	6.11								
8835	2.42	1.46	0.71	0.18	0.17	0.03	1.69	6.66								
8845	0.23	0.10	1.28	0.39	0.00	0.00	0.14	2.14								
8850	0.28	0.12	1.60	0.48	0.00	0.00	0.16	2.64								
8860	0.54	0.22	4.23	1.02	0.03	0.00	0.61	6.65								
8865	0.58	0.23	4.23	1.02	0.02	0.00	0.66	6.74								
8870	0.63	0.25	7.06	1.69	0.02	0.00	0.72	10.37								
8875	0.81	0.32	7.49	1.80	0.02	0.00	0.91	11.35								
8885	0.76	0.30	1.41	0.34	0.02	0.00	0.86	3.69								
8890	0.81	0.32	1.98	0.48	0.02	0.00	0.92	4.53								
8895	0.90	0.36	1.98	0.48	0.05	0.01	1.02	4.80								
8900	0.98	0.39	3.34	0.80	0.05	0.01	1.11	6.68								
8910	0.23	0.10	0.64	0.19	0.00	0.00	0.14	1.30								
8915	0.24	0.11	1.28	0.39	0.00	0.00	0.14	2.16								
8925	0.11	0.05	1.22	0.37	0.00	0.00	0.06	1.81								
8930	0.14	0.06	1.54	0.46	0.00	0.00	0.08	2.28								
8935	0.36	0.16	1.93	0.58	0.00	0.00	0.22	3.25								
8940	0.64	0.29	2.70	0.81	0.00	0.00	0.38	4.82								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8950	0.05	0.02	1.22	0.37	0.00	0.00	0.03	1.69								
8955	0.16	0.07	1.54	0.46	0.00	0.00	0.10	2.33								

APPENDIX A

REFERENCES

1. Haver, J. A. and F. W. Stubbs, Jr., Handbook of Heavy Construction, 2nd ed, McGraw-Hill Company, New York, 1971.
2. Nichols, H. L., Jr., Moving the Earth, 3rd ed, North Castle Books, Greenwich, Connecticut, 1976.
3. Application Manual for Hydraulic Excavators and Shovels, 1st ed, Koehring Company, Milwaukee, Wisconsin, 1981.
4. Bulletin B-502, Goodyear Tire and Rubber Company, Akron, Ohio, June 1984.
5. Caterpillar Performance Handbook, 14th ed, Caterpillar Tractor Company, Peoria, Illinois, 1983.
6. Earthmoving Principles, International Harvester, Pay Line Division, Schaumburg, Illinois, 1975.
7. Euclid Hauler Handbook, 14th ed, Euclid, Inc., Cleveland, Ohio, 1981.
8. "FAR 31.105 Construction and Architect-Engineer Contracts", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., April 1984.
9. "FAR 31.205-10 Cost of Money", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., April 1984.
10. "FAR 31.205-24 Maintenance and Repair Costs", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., April 1984.
11. Fundamentals of Earthmoving, Caterpillar Tractor Company, Peoria, Illinois, 1975.
12. Green Guide for Off-Highway Trucks and Trailers, Dataquest, Inc., Palo Alto, California, 1983, 1984.
13. Green Guide Volume I, Dataquest, Inc., Palo Alto, California, 1983, 1984.
14. Green Guide Volume II, Dataquest, Inc., Palo Alto, California, 1983, 1984.

APPENDIX A

REFERENCES (Cont'd)

15. Means 1984 Labor Rates for the Construction Industry, 11th ed, R. S. Means Company, Inc., Kingston, Massachusetts, 1983.
16. Operating Cost Guide, Power Crane and Shovel Association, Milwaukee, Wisconsin, 1976.
17. Owning and Operating Costs, Fiat-Allis Construction Machinery, Inc., Springfield, Illinois, 1983.
18. "Part 414 - Cost Accounting Standard - Cost of Money as an Element of the Cost of Facilities Capital", Defense Procurement Circular (DPC) #76-2, Government Printing Office, Washington, D.C., August 1976.
19. Producer Prices and Price Indexes, U. S. Department of Labor, Bureau of Labor Statistics, Government Printing Office, Washington, D.C. 1973 through 1984.
20. Production and Cost Estimating of Material Movement with Earthmoving Equipment, General Motors Corp., Terex Division, Hudson, Ohio, 1975.

APPENDIX B

AREA FACTORS

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

Sales or Import Tax Rate:	4.00 %
Working Hours Per Year:	1,650 Hrs/Yr
Labor Adjustment Factor (LAF):	1.060
Electricity Cost Per Kilowatt-Hour:	\$ 0.107 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.340 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 1.110 /Gal.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.400 /Gal.
Freight Rates:	0 thru 24,000 lbs. \$23.700 /Cwt. over 24,000 thru 30,000 lbs. \$22.400 /Cwt. over 30,000 thru 44,000 lbs. \$19.400 /Cwt. over 44,000 thru 60,000 lbs. \$17.300 /Cwt. over 60,000 thru 70,000 lbs. \$15.600 /Cwt. over 70,000 thru 80,000 lbs. \$15.000 /Cwt. over 80,000 thru 9999,900 lbs. \$14.550 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

APPENDIX D
EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

TABLE LEGEND

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

TABLE LEGEND

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

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CATEGORY	YEAR PURCHASE NEW												1977	1976	1975	1974	1973
	AGE IN YEARS																
	1985	1984	1983	1982	1981	1980	1979	1978	7	8	9	10	11	12	13	14	15
Air Equipment	1772	1688	1695	1668	1563	1630	1521	1354	1295	1186	1165	1028	935	860	790	720	650
Asphalt & Concrete Paving Equipment	2662	2610	2583	2620	2461	2296	2111	1941	1815	1686	1610	1451	1304	1249	1190	1130	1070
Buckets	4598	4508	4471	4541	4313	3879	3280	2963	2738	2520	2175	1838	1430	1305	1249	1190	1130
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3437	3370	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1249	1190	1130	1070
Drills	2857	2801	2836	2810	2602	2265	1993	1858	1699	1638	1559	1373	1249	1200	1140	1080	1020
Generators	3468	3400	3314	3236	3160	2817	2390	2301	2128	2053	1839	1456	1316	1249	1190	1130	1070
Graders, Motor	3802	3727	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1305	1249	1190	1130
Loaders, Track	3867	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1249	1190	1130	1070
Loaders, Wheel	4061	3981	3873	3788	3441	2938	2606	2375	2156	2002	1907	1584	1362	1305	1249	1190	1130
Pile Driving Equipment	3651	3579	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1249	1190	1130	1070
Rollers	4002	3924	3744	3431	3199	2913	2653	2396	2139	1983	1872	1556	1328	1249	1190	1130	1070
Scrapers and Soil Stabilizers	3802	3727	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361	1305	1249	1190	1130
Shovels, Backhoes & Hydraulic Excavators	3437	3370	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305	1249	1190	1130	1070
Tractors, Crawler & Attachments	3867	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329	1249	1190	1130	1070
Tractors, Wheel	3729	3656	3557	3530	3256	2927	2578	2319	2125	1956	1813	1498	1288	1249	1190	1130	1070
Trenchers	4520	4431	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527	1384	1305	1249	1190	1130
Trucks, Highway	3128	3067	2934	2824	2638	2324	2108	1934	1775	1646	1524	1369	1230	1249	1190	1130	1070
Trucks & Wagons - Off Highway	3862	3786	3744	3662	3363	2964	2588	2364	2196	2081	1965	1568	1315	1305	1249	1190	1130
All Other Equipment	3651	3579	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307	1249	1190	1130	1070
All Tires & Tubes	2487	2438	2453	2552	2506	2369	2055	1792	1699	1615	1485	1334	1114	1249	1190	1130	1070

APPENDIX F

TIRE LIFE AND TIRE WEAR FACTORS

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

No.	Condition	Factor	
		Average	Severe
A	Maintenance	1.00	1.00
B	Speeds	0.80	0.85
C	Curves	1.00	0.90
D	Surface Condition	0.90	0.70
E	Loads	0.90	0.80
		0.648	0.428
F	Wheel Positions		
	Trailing (T-Tire)	1.00	1.00
	Front (F-Tire)	0.90	0.90
	Driver (D-Tire)		
	(Rear Dump)	0.70	0.70
	(Bottom Dump)	0.70	0.70
	(Self-Propelled Scrapers)	0.60	0.60
G	Grades (Drive Tire Only)	0.85	0.75
<hr/>			
<u>FINAL TIRE WEAR FACTORS</u>			
	Trailing (T-Tire)	0.65	0.43
	Front (F-Tire)	0.58	0.39
	Driver (D-Tire)		
	(Rear Dump)	0.39	0.22
	(Bottom Dump)	0.39	0.22
	(Self-Propelled Scrapers)	0.33	0.19

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

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TABLE F-1. Maximum Tire Life.

Bias Ply Tires:

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

Radial Ply Tires:

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

APPENDIX G

EQUIPMENT EXTRAS

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

(1) Crane, Crawler-Mounted.

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

(2) Draqline and Clamshell, Crawler-Mounted.

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

(3) Backhoe and Shovel, Crawler-Mounted.

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

(4) Truck Crane Less than 25 Ton.

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

(5) Truck Crane 25 Ton and Larger.

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

(6) Excavators, Hydraulic.

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

(7) Grader.

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

(8) Belt Loader.

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

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

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

(10) Scraper.

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

(11) Tractor, Crawler.

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

(12) Tractor, Wheel Dozer.

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

(13) Trucks, Off-Highway.

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