



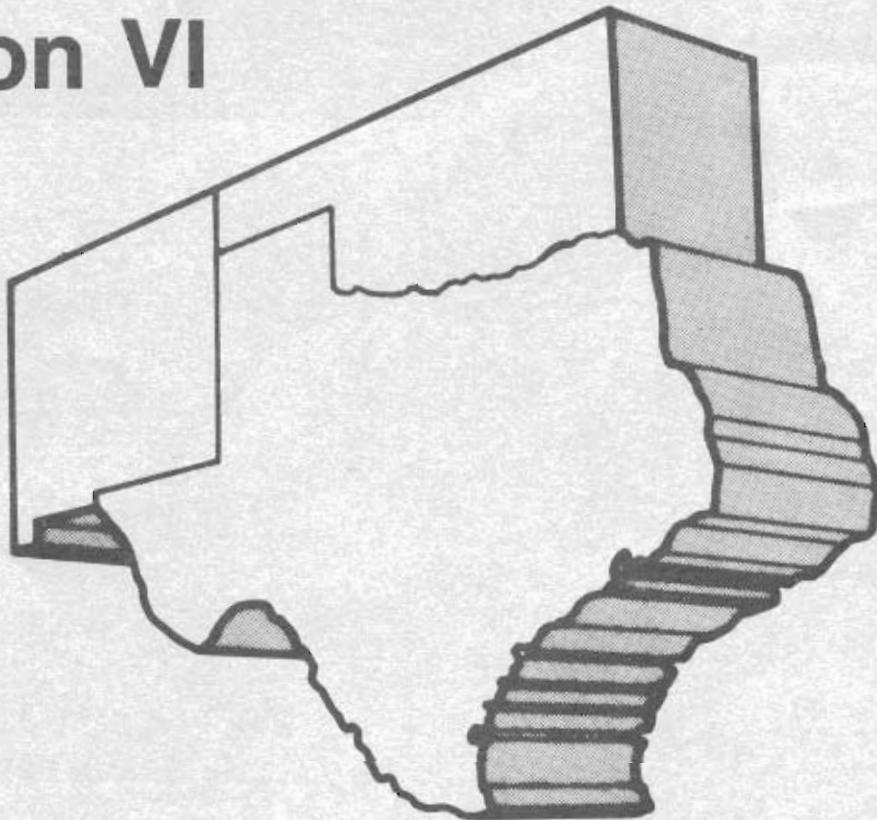
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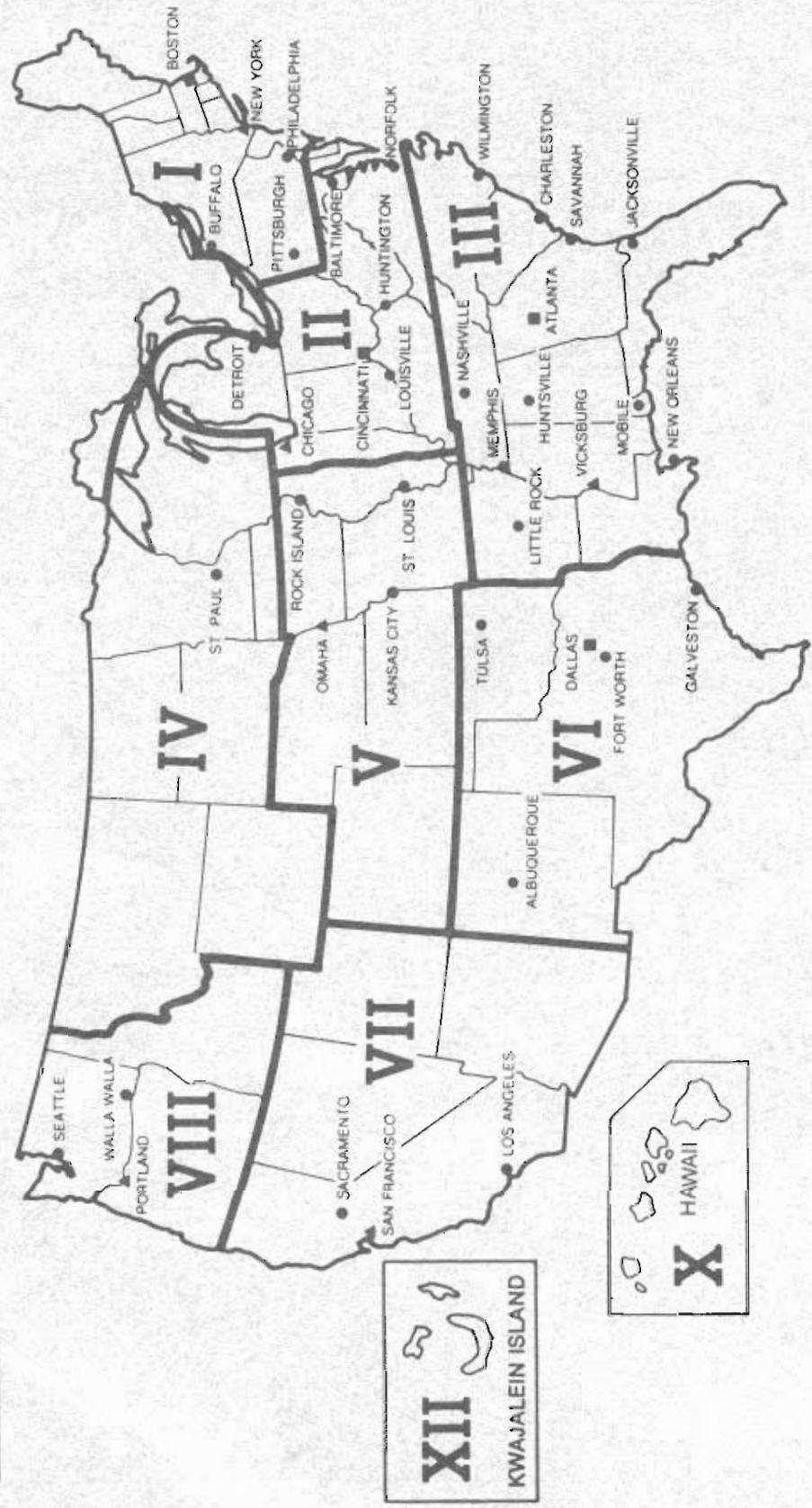
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# Construction Equipment Ownership and Operating Expense Schedule

## Region VI



# Regions for the Construction Equipment Ownership and Operating Expense Schedule



DEPARTMENT OF THE ARMY  
U.S. Army Corps of Engineers  
Washington, D.C. 20314-1000

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Pamphlet  
No. 1110-1-8

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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 elements and field operating activities having either military or civil works responsibilities for construction contracts in Region VI which includes the following states:

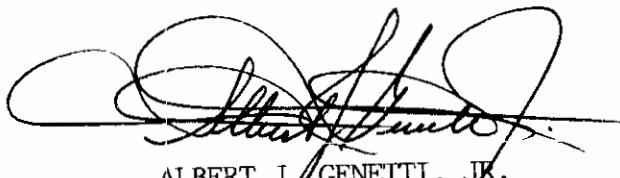
New Mexico  
Oklahoma  
Texas

3. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 1986. Ownership percentages and operating cost factors for marine equipment, together with the methodology contained herein, can be used to develop marine equipment rates.

4. Obtaining Pamphlets. Copies of Volumes 1 through 12 of this pamphlet are available only through the U. S. Government Printing Office or their government bookstores. For additional information phone (202)783-3238 or write to the following address:

Superintendent of Documents  
U.S. Government Printing Office  
Washington, D.C. 20402

FOR THE COMMANDER:



ALBERT J. GENETTI, JR.  
Colonel, Corps of Engineers  
Chief of Staff

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## Engineering and Design

### CONSTRUCTION EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE

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## CHAPTER 1

### INTRODUCTION

1-1. Purpose. This pamphlet establishes predetermined equipment ownership and operating expense rates for use in preparation of estimates and in pricing negotiated procurements requiring independent government estimates (see Federal Acquisition Regulations 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 VI, which includes the following states:

New Mexico  
Oklahoma  
Texas

1-3. References. See APPENDIX A.

1-4. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead, or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 1986. Ownership percentages and operating costs factors for marine equipment, together with the methodology contained herein, can be used to develop marine equipment rates.

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 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 equipment or equipment groups of similar serial and series is not available.

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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 and operating cost factors 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 APPENDIX H.

#### 2-2. Construction Equipment.

a. General. The total hourly rates include all costs of owning and operating equipment except: (1) operating labor; (2) mobilization and demobilization; and (3) 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 (FOG); servicing the equipment; repair and maintenance; 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 15.0 percent. Freight and import 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 1986.

(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 indexes (year of manufacture divided by current year) which are listed in APPENDIX E. Current tire prices are provided in APPENDIX J for information only.

(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 hours.).

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

(2) Cost of Facilities Capital (CFC).

(a) The Cost of Facilities Capital (CFC) as defined in FAR 31.205-10 and CAS 414 is included in the use rates. This cost was computed by multiplying the cost-of-money rate (9.250%) determined by the Secretary of the Treasury pursuant to P.L. 92-41 (85 Stat. 97) by the average value of equipment and prorating the result over the annual operating hours. This cost-of-money rate was discounted to 7.40% to avoid duplication when applying markups for overhead and profit (assumed to be 25.0%). The Department of the Treasury adjusts the cost-of-money rate on or about 1 January and 1 July each year; these revisions are printed in the Federal Register.

$$CFC/hr = \frac{[(N-1)(1+S)+2]}{2N} \frac{(Equipment\ Cost)}{(Work\ Hrs\ per\ Year)} (7.40\%)$$

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 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 weight = 6.1 lbs per gallon

(5) Diesel weight = 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 include 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. The current tire costs are shown for information in APPENDIX J.

(c) The useful tire life was determined from the method and tables in "Production and Cost Estimating of Material Movement with Earthmoving Equipment," 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-half 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.

2-3. 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					
a. Unit Number	<u>3815</u>				
(Since this request for information is to less than ten persons, OMB approval under Section 3507, 44 USC, is not required.)					
(1) Equipment Description	<u>P/H TRUCK CRANE 70 TON</u>				
(2) Model and Series	<u>MODEL 9070</u>				
(3) Year Purchased	<u>1986</u>	(4) Year Manufactured	<u>1986</u>		
(5) Equipment Horsepower	<u>140 HP</u>	(6) Carrier Horsepower	<u>335 HP</u>		
(7) Fuel Type	<u>DIESEL (OFF)/DIESEL (ON)</u>	(8) Shipping Weight	<u>1115 CWT</u>		
(9) Tire Size: Front	<u>16.5x22.5</u>	Drive	<u>12x20</u>	Trailing	<u>—</u>
(4EA)	<u>16 PLY</u>	(8EA)	<u>16 PLY</u>		
b. Key Number from APPENDIX D	<u>230</u>				
(1) Condition	<u>AVERAGE</u>				
(2) Salvage Value %	<u>15%</u>	(3) Life	<u>20,000 hrs</u>		
(4) Equipment Fuel Factor	<u>.038</u>	(5) Carrier Fuel Factor	<u>.006</u>		
(6) FOG Factor:	Gas <u>—</u>	Diesel <u>.26</u>	Electric <u>—</u>		
(7) Tire Wear Factor: Front	<u>.97</u>	Drive <u>.78</u>	Trailing <u>—</u>		
(8) Repairs Cost Factor	<u>.70</u>				
2. EQUIPMENT COST					
a. List Price Year of Manufacture (including extras)	<u>\$ 397,238.00</u>				
<sup>+5.0%</sup>					
(1) Discount: (List Price) x *7.5% *(+7.5% for Highway Trucks)	<u>= (\$ 397,238) x .075</u>				
	<u>= (-)\$ 29,792.85</u>				
(2) Freight: (Shipping Weight) x (Prep. and Del. Rate) <small>From 1-a-(8) From APPENDIX B</small>	<u>= (1,115) x (\$ 4.15)</u>				
	<u>= (+)\$ 4,627.25</u>				
b. Subtotal: Summation of Part a. (Use actual cost when available)	<u>= \$ 372,072.40</u>				
(1) State Sales Tax: (Subtotal) x (Tax Rate) <small>From 2-b</small>	<u>= (\$ 372,072) x (.0050)</u>				
	<u>= (+)\$ 18,603.62</u>				
c. Equipment Cost: Summation of Part b. (Use actual cost when available)	<u>= \$ 390,676.02</u>				

Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

(Life From 1-b-(3)  $\div$  (Hours Use/Year From APPENDIX B))

$$= (\underline{20,000} \text{ Hrs}) \div (\underline{1,700} \text{ Hrs/Yr}) \quad \underline{11.76} \text{ Yrs.}$$

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

(Economic Index for Present  $\div$  (Economic Index for Year )  
Year From APPENDIX E of Manufacture From APP. E

$$= (\underline{3678}) \div (\underline{3485}) \quad = \underline{1.055} \text{ (EAF)}$$

5. SALVAGE VALUE FACTOR (S)

(Salvage Factor)  $\times$  (EAF)  
From 1-b-(2) From 4

$$= (\underline{0.15}) \times (\underline{1.055}) \quad = \underline{0.158} \text{ (S)}$$

6. OWNERSHIP COSTS

a. Depreciation:

Equipment Life  
(Cost From)  $\times$   $\frac{1.0 - (S \text{ From})}{5}$  - (Tire Cost)  $\div$   $\frac{\text{From}}{\text{Yr. of Mfg.}}$   $\frac{\text{Life}}{\text{1-b-(3)}}$

$$= (\underline{\$390,676}) \times [1.0 - (\underline{0.158})] - (\underline{\$6619}) \div (\underline{20,000 \text{ Hrs}}) = \underline{\$16.12 / \text{Hr.}}$$

b. Cost of Facilities Capital (CPC):

Life  
(1)  $\frac{[(\text{From}) - 1.0] \times [(S \text{ From}) + 1.0] + 2.0}{5} \div \frac{[(\text{From}) \times 2.0]}{3}$

$$= [(\underline{11.76 \text{ Yrs}}) - 1.0] \times [(\underline{0.158}) + 1.0] + 2.0 \div [(\underline{11.76 \text{ Yrs}}) \times 2.0] = \underline{0.615}$$

Equipment Average CPC Factor Hrs Use/  
(2) (Cost From)  $\times$  (Value Factor)  $\times$  (From Para. 1  $\div$  (Yr From )  
2-c From 6-b-(1) 2-2.c.(2) APP. B

$$= (\underline{\$390,676}) \times (\underline{0.615}) \times (\underline{.074}) \div (\underline{1,700} \text{ Hrs/Yr}) = \underline{\$10.46 / \text{Hr.}}$$

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) =  $\underline{\$26.58 / \text{Hr.}}$

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.

$$= (.038) \times (140 \text{ HP}) \times (\$0.58/\text{Gal}) = \$3.09/\text{Hr.}$$

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

$$= (.006) \times (335 \text{ HP}) \times (\$0.85/\text{Gal}) = \$1.71/\text{Hr.}$$

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) = \\$4.80/Hr.

b. FOG Costs:

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

$$= (.26) \times (\$3.09/\text{Hr}) = \$0.80/\text{Hrs.}$$

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

$$= (.26) \times (\$1.71/\text{Hr}) = \$0.44/\text{Hr.}$$

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) = \\$2.15/Hr.

c. Repair Costs:

(1) Repair Factor:

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

$$= (.70) \times (.055) \times (.90) = .655$$

(2) Hourly Repairs:

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

$$= [(\$390,676) - (\$6,619)] \times (0.655) \div (20,000 \text{ Hr}) = \$12.77/\text{Hr.}$$

Figure 2-1. (Continued)

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

d. Tire Wear Costs (Current Price Levels):

(1) Front Tires:  $\frac{\text{Front Cost}}{1.5 \times (\text{Tires})} + [1.8 \times (\text{Ptr Frm}) \times (\text{Life Frm})]$   
1-b-(7) Tbl F-1  
 $= 1.5 \times (\underline{\$ 2512}) + [1.8 \times (\underline{0.97}) \times (\underline{5,000 \text{ Hr}})] = \$ \underline{0.43} / \text{Hr.}$

(2) Drive Tires:  $\frac{\text{Drive Cost}}{1.5 \times (\text{Tires})} + [1.8 \times (\text{Ptr Frm}) \times (\text{Life Frm})]$   
1-b-(7) Tbl F-1  
 $= 1.5 \times (\underline{\$ 4,256}) + [1.8 \times (\underline{0.78}) \times (\underline{5,000 \text{ Hr}})] = \$ \underline{0.91} / \text{Hr.}$

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

(4) Total Tire Wear Cost: (Sum 7-d-(1) thru (3))  $= \$ \underline{1.34} / \text{Hr.}$

e. Tire Repair Cost: (Tire Wear Frm 7-d-(4))  $\times 0.15$   
 $= (\underline{\$ 1.34}) \times 0.15 = \$ \underline{0.20} / \text{Hr.}$

f. Total Operating Costs: (Sum 7-a thru 7-e)  $= \$ \underline{20.35} / \text{Hr.}$

8. TOTAL HOURLY RATES

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

(Ownership Costs Frm 6-c) + (Operating Costs Frm 7-f)  
 $= (\underline{\$ 26.58 / \text{Hr}}) + (\underline{\$ 20.35 / \text{Hr}}) = \$ \underline{46.93} / \text{Hr.}$

b. Hourly Rate for Other Work Shifts:

(Depreciation) + [(CPC Frm 6-a)  $\times 40 \div$  (Work Hrs) Per Week] + (Operating Costs Frm 7-f)  
6-b-(2) Tbl F-1  
 $= (\underline{\$ 16.12 / \text{Hr}}) + [(\underline{\$ 10.46 / \text{Hr}}) \times 40 \div (\underline{60 \text{ Hr/Wk}})] + (\underline{\$ 20.35 / \text{Hr}}) = \$ \underline{43.44} / \text{Hr.}$

c. Hourly Standby Rate:

$\frac{0.50}{0.25}$   
(Depreciation)  $\times \frac{0.50}{0.25} + (\text{CPC Frm 6-a})$   
6-b-(2) Tbl F-1  
 $= (\underline{\$ 16.12 / \text{Hr}}) \times \frac{0.50}{0.25} + (\underline{\$ 10.46 / \text{Hr}}) = \$ \underline{18.52} / \text{Hr.}$

Figure 2-1. (Continued)

## 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 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, (f) CFC percentage for the time period in question is different than that shown in paragraph 2-2.c.(2), and (g) 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.

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 3725 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 CHAPTERS 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. Overage Equipment. When an item of equipment has exceeded the economic service life given in APPENDIX D, it is considered overage and the hourly use rate will not exceed the rate for a piece of equipment that is not overage. An hourly rate for overage 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. In other words, the base year for determining overage equipment value should be the year for which the last factor in TABLE 3-2 is given.

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, et cetera) 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. It has been determined that these tables 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, et cetera to the item listed in the pamphlet. In order to facilitate these adjustments, work sheets such as those shown at the end of TABLES 3-2 and 3-3 may be used.

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).

j. CFC Adjustment. If the cost-of-money rate shown in paragraph 2-2.c.(2) is no longer current, the CFC portion of the rate shall be adjusted upward or downward to match the cost-of-money rate for the period of use in question. For example, if the cost-of-money rate should increase by 10% (say from 8.50% to 9.35%), then 10% of the hourly CFC cost (from TABLE 3-5) will be added to the total hourly rate. See APPENDIX I for a complete listing of cost-of-money rates to date.



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. OWNER-SHIP	SEVERE COND. OWNER-SHIP												
			AVERAGE	SEVERE															
<b>AGGREGATE/CHIP SPREADER</b> *****																			
ETNYRE - SELF-PROPELLED																			
1015	SPREAD TO 8" DEPTH & 10' WIDE	184 HP G	58,492	19.91		3.98	6.24	7.79		155									
1020	SPREAD TO 8" DEPTH & 13' WIDE	140 HP D	65,374	14.47		4.45	6.99	2.44		160									
ROSCO - SELF-PROPELLED																			
1030	CHIP SPREADER AT 10' WIDE	137 HP G	60,702	17.81		4.12	6.47	5.80		170									
1035	CHIP SPREADER AT 13.5' WIDE	137 HP G	61,478	17.96		4.19	6.57	5.80		175									
<b>AIR COMPRESSORS, PORTABLE</b> ***** (HOSE NOT INCLUDED)																			
ROTARY SCREW																			
1050	SIZE 100 CFM QUIET 100 PSI	50 HP G	11,394	5.54		0.76	1.17	2.74		20									
1055	SIZE 100 CFM QUIET 100 PSI	33 HP D	13,673	3.24		0.91	1.41	0.73		26									
1060	SIZE 125 CFM QUIET 100 PSI	70 HP G	13,944	7.42		0.93	1.44	3.83		24									
1065	SIZE 125 CFM QUIET 100 PSI	51 HP D	14,832	3.95		1.00	1.54	1.12		26									
1070	SIZE 175 CFM QUIET 100 PSI	70 HP G	15,218	7.63		1.02	1.57	3.83		26									
1075	SIZE 175 CFM QUIET 100 PSI	54 HP D	17,265	4.45		1.16	1.79	1.19		28									
1080	SIZE 185 CFM QUIET 100 PSI	70 HP G	15,713	7.72		1.05	1.62	3.83		27									
1085	SIZE 185 CFM QUIET 100 PSI	69 HP D	18,531	5.09		1.24	1.92	1.52		29									
1090	SIZE 250 CFM QUIET 100 PSI	88 HP D	21,727	6.17		1.45	2.25	1.94		55									
1095	SIZE 375 CFM QUIET 100 PSI	122 HP D	34,275	9.29		2.26	3.49	2.69		79									
1100	SIZE 450 CFM QUIET 100 PSI	152 HP D	44,397	11.86		2.95	4.55	3.35		89									
1105	SIZE 600 CFM QUIET 100 PSI	188 HP D	53,293	14.39		3.54	5.47	4.14		97									
1110	SIZE 750 CFM QUIET 100 PSI	228 HP D	61,829	16.96		4.11	6.35	5.03		128									
1115	SIZE 825 CFM QUIET 100 PSI	260 HP D	70,323	19.30		4.68	7.24	5.73		130									
1120	SIZE 900 CFM QUIET 100 PSI	270 HP D	77,066	20.73		5.13	7.94	5.95		148									
1125	SIZE 1000 CFM QUIET 100 PSI	294 HP D	75,019	21.06		5.00	7.73	6.48		186									
1130	SIZE 1200 CFM QUIET 100 PSI	400 HP D	103,043	28.81		6.89	10.66	8.82		196									
1135	SIZE 1600 CFM QUIET 100 PSI	456 HP D	116,487	32.66		7.77	12.03	10.05		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													
1150	SOW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,533	0.95		0.20	0.35	0.00		3				
1155	SOW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,792	1.68		0.37	0.64	0.00		5				
1160	SOWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,812	1.69		0.37	0.65	0.00		6				
1165	SOWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	3,091	1.92		0.41	0.71	0.00		7				
1170	SCH-3079R SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,179	2.56		0.56	0.97	0.00		9				
1175	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	12,154	7.24		1.58	2.75	0.00		28				
1180	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	14,957	8.82		1.89	3.28	0.00		45				
1185	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	18,239	10.82		2.33	4.04	0.00		53				
GARDNER DENVER - TOOLS													
1195	SPADER SP27E	32CFM A	929	0.59		0.12	0.21	0.00	1				
1200	SINKER DRILL S58	98CFM A	2,035	1.29		0.27	0.47	0.00	1				
1205	PAVING BREAKER B37	41CFM A	954	0.61		0.13	0.22	0.00	1				
1210	PAVING BREAKER B67C	46CFM A	1,021	0.65		0.13	0.23	0.00	1				
1215	PAVING BREAKER B87C	50CFM A	1,111	0.71		0.15	0.26	0.00	1				
1220	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,740	2.31		0.50	0.87	0.00	1				
MASTER - CONCRETE VIBRATORS													
1230	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	2,008	1.79		0.27	0.47	0.00	1				
1235	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,292	1.18		0.17	0.30	0.00	1				
1240	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,159	1.05		0.16	0.27	0.00	1				
1245	CONCRETE VIBR. MOD A-30010 3"	64CFM A	1,047	0.94		0.15	0.25	0.00	1				
1250	CONCRETE VIBR. MOD A-25010 2.5"	40CFM A	820	0.73		0.11	0.19	0.00	1				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL	OWNERSHIP				
ASPHALT DISTRIBUTOR													
***** NO CHASSIS													
ROSCO													
1265	MOD RES 1000 GAL. TRUCK MOUNTED 18,000 TO 24,000 GW REQUIRED	45 HP G	32,139	9.30			2.22	3.49	2.47	72			
1270	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GW REQUIRED	45 HP G	32,916	9.44			2.27	3.57	2.47	75			
1275	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GW REQUIRED	45 HP G	35,228	9.87			2.43	3.82	2.47	87			
1280	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GW REQUIRED	45 HP G	39,550	10.70			2.73	4.30	2.47	109			
ASPHALT FINISHERS													
*****													
SPW=STANDARD PAVING WIDTH													
BARBER-GREENE													
1295	MOD BG220 8' SPW (PNEUMATIC) W/ 15'-6" SCREED EXT.	78 HP D	130,223	27.40			8.89	13.97	1.72	230			
1300	MOD BG240 10' SPW (PNEUMATIC) W/ 19' SCREED EXT.	96 HP D	147,797	31.45			10.01	15.69	2.12	290			
1305	MOD BG260 10' SPW (PNEUMATIC) W/ 19' SCREED EXT.	142 HP D	164,818	36.04			11.18	17.54	3.13	320			
1310	MOD BG225 8' SPW (CRAWLER) W/ 15'-6" SCREED EXT.	78 HP D	150,502	31.17			10.37	16.33	1.72	250			
1315	MOD BG245 10' SPW (CRAWLER) W/ 19' SCREED EXT.	96 HP D	173,522	36.11			11.95	18.83	2.12	320			
1320	MOD BG265 10' SPW (CRAWLER) W/ 19' SCREED EXT.	142 HP D	211,266	44.67			14.55	22.92	3.13	370			
BLAW-KNOX													
1330	MOD PF-22 5'-8' SPW (PNEUMATIC)	30 HP D	50,615	10.71			3.41	5.34	0.66	95			
1335	MOD PF-35 6'-8' SPW (PNEUMATIC)	44 HP D	83,895	17.51			5.70	8.95	0.97	104			
1340	MOD PF-115 8' SPW (PNEUMATIC)	56 HP D	112,119	23.35			7.61	11.94	1.23	180			
1345	MOD PF-120H 10' SPW (PNEUMATIC)	95 HP D	136,116	29.18			9.21	14.43	2.09	240			
1350	MOD PF-180H 10' SPW (PNEUMATIC)	92 HP D	161,787	34.11			10.94	17.14	2.03	277			
1355	MOD PF-220 12' SPW (PNEUMATIC)	148 HP D	210,262	45.17			14.19	22.24	3.26	387			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.				
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
ASPHALT FINISHERS (CONT'D)												
*****												
SPW=STANDARD PAVING WIDTH												
BLAW-KNOX (CONT'D)												
1360	MOD PF-400A 8' SPW (CRAWLER) 90 HP D	149,949	31.40		10.33	16.27	1.98		230			
1365	MOD PF-500 10' SPW (CRAWLER) 125 HP D	180,637	38.29		12.44	19.60	2.75		291			
ASPHALT KETTLES												
*****												
ROSCO												
1380	MOD KB 110 GAL. TRAILER MOUNTED		4,152	1.95		0.32	0.52	0.00	13			
1385	MOD KD 225 GAL. TRAILER MOUNTED		4,892	2.23		0.39	0.62	0.00	16			
AEROIL												
1395	MOD KE-B-80 GAL. TRAILER MOUNTED		2,869	1.54		0.23	0.36	0.00	9			
1400	MOD KE-BR-115 GAL. TRAILER MOUNTED		3,385	1.89		0.26	0.41	0.00	15			
ASPHALT RECYCLER												
*****												
AEROIL												
1415	MOD AR-100 TRAILER MOUNTED	7 HP G	9,201	4.16		0.73	1.17	0.38	16			
BROOMS												
*****												
M-B												
1430	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER		6,830	1.50		0.47	0.73	0.00	24			
1435	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	30 HP G	8,785	3.64		0.60	0.94	1.64	30			
1440	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		3,320	0.71		0.23	0.36	0.00	10			
1445	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		5,976	1.23		0.41	0.64	0.00	14			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION		STAND-BY	OWNERSHIP	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE			FUEL	OWNERSHIP	FUEL						
<b>BRUSH CHIPPERS</b> *****															
CHIPMORE															
1460	MOD TM-20 TRAILER-MTD	11 HP G	4,070	1.34		0.28	0.43	0.42		1					
1465	MOD TM-30 TRAILER-MTD	18 HP G	4,875	1.86		0.33	0.52	0.69		9					
1470	MOD TM120 TRAILER-MTD 12" DIA.LOG	60 HP G	10,362	5.02		0.71	1.11	2.29		30					
1475	MOD TM120 TRAILER-MTD 12" DIA.LOG	76 HP D	13,071	4.04		0.89	1.40	1.19		42					
FMC															
1485	MOD C-16S SKID-MTD	16" DIA.LOG 150 HP G	12,189	9.91		0.84	1.32	5.73		41					
1490	MOD C-16T TRAILER-MTD	16" DIA.LOG 150 HP G	13,338	10.14		0.91	1.42	5.73		45					
<b>BUCKETS, CLAMSHELL</b> *****															
ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE															
1505	.75 C.Y.		11,986	2.13	2.73	0.85	1.35	0.00	1.62	0.00					
1510	1.0 C.Y.		12,863	2.29	2.92	0.91	1.45	0.00	1.73	0.00					
1515	1.5 C.Y.		18,446	3.28	4.20	1.30	2.08	0.00	2.49	0.00					
1520	2.0 C.Y.		21,419	3.81	4.87	1.52	2.42	0.00	2.88	0.00					
1525	2.5 C.Y.		27,905	4.96	6.35	1.97	3.15	0.00	3.76	0.00					
1530	3.0 C.Y.		29,567	5.26	6.73	2.09	3.34	0.00	3.98	0.00					
1535	3.5 C.Y.		31,973	5.68	7.28	2.25	3.60	0.00	4.31	0.00					
1540	4.0 C.Y.		35,213	6.27	8.01	2.49	3.98	0.00	4.74	0.00					
1545	4.5 C.Y.		38,086	6.78	8.67	2.69	4.30	0.00	5.13	0.00					
1550	5.0 C.Y.		40,461	7.19	9.21	2.85	4.56	0.00	5.45	0.00					
1555	5.5 C.Y.		44,560	7.93	10.14	3.15	5.03	0.00	6.00	0.00					
1560	6.0 C.Y.		46,290	8.23	10.53	3.27	5.22	0.00	6.23	0.00					
1565	6.5 C.Y.		48,734	8.67	11.09	3.44	5.50	0.00	6.57	0.00					
1570	7.0 C.Y.		51,120	9.08	11.63	3.60	5.76	0.00	6.86	0.00					
1575	7.5 C.Y.		53,048	9.43	12.07	3.74	5.98	0.00	7.14	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 OWNERSHIP	SEVERE OWNERSHIP	FUEL FUEL									
			AVERAGE	SEVERE													
<b>BUCKETS, CLAMSHELL (CONT'D)</b>																	
*****																	
ESCO - MODEL HDS HEAVY DUTY & SQUARE NOSE																	
1585	.75 C.Y.	15,591	2.77	3.55	1.10	1.76	0.00	2.10	0.00	33							
1590	1.0 C.Y.	15,621	2.78	3.55	1.10	1.76	0.00	2.10	0.00	46							
1595	1.5 C.Y.	22,718	4.04	5.17	1.60	2.56	0.00	3.06	0.00	70							
1600	2.0 C.Y.	24,510	4.35	5.58	1.73	2.76	0.00	3.30	0.00	78							
1605	2.5 C.Y.	31,135	5.53	7.08	2.20	3.51	0.00	4.19	0.00	98							
1610	3.0 C.Y.	34,061	6.05	7.75	2.40	3.84	0.00	4.59	0.00	109							
1615	3.5 C.Y.	38,849	6.90	8.84	2.74	4.38	0.00	5.23	0.00	120							
1620	4.0 C.Y.	41,775	7.43	9.50	2.95	4.71	0.00	5.62	0.00	131							
1625	4.5 C.Y.	44,875	7.98	10.21	3.17	5.06	0.00	6.04	0.00	141							
1630	5.0 C.Y.	49,127	8.73	11.18	3.47	5.54	0.00	6.62	0.00	155							
1635	5.5 C.Y.	51,807	9.21	11.78	3.65	5.84	0.00	6.97	0.00	164							
1640	6.0 C.Y.	54,347	9.66	12.37	3.84	6.13	0.00	7.32	0.00	174							
1645	6.5 C.Y.	57,211	10.18	13.01	4.04	6.46	0.00	7.70	0.00	185							
1650	7.0 C.Y.	59,627	10.61	13.57	4.21	6.73	0.00	8.03	0.00	193							
1655	7.5 C.Y.	61,998	11.02	14.11	4.37	6.99	0.00	8.35	0.00	201							
ESOO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE																	
1665	.75 C.Y.	17,602	3.13	4.00	1.25	1.99	0.00	2.37	0.00	50							
1670	1.0 C.Y.	17,950	3.20	4.09	1.27	2.03	0.00	2.42	0.00	55							
1675	1.5 C.Y.	25,831	4.59	5.88	1.82	2.91	0.00	3.48	0.00	81							
1680	2.0 C.Y.	31,481	5.60	7.16	2.22	3.55	0.00	4.24	0.00	99							
1685	2.5 C.Y.	36,264	6.45	8.25	2.56	4.09	0.00	4.88	0.00	115							
1690	3.0 C.Y.	39,277	6.98	8.94	2.77	4.43	0.00	5.29	0.00	127							
1695	3.5 C.Y.	43,288	7.69	9.85	3.05	4.88	0.00	5.83	0.00	141							
1700	4.0 C.Y.	46,522	8.26	10.59	3.28	5.24	0.00	6.27	0.00	150							
1705	4.5 C.Y.	47,678	8.48	10.85	3.37	5.38	0.00	6.42	0.00	160							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				OWN			
			CONDITION	STAND-	AVERAGE	SEVERE	BY	AVERAGE COND.	SEVERE COND.				
<b>BUCKETS, CLAMSHELL (CONT'D)</b>													
<b>*****</b>													
ESCO - MODEL XDS													
EXTRA HEAVY DUTY & SQ. NOSE (CONT'D)													
1710	5.0 C.Y.	51,536	9.17	11.73	3.64	5.82	0.00	6.95	0.00	173			
1715	5.5 C.Y.	54,582	9.70	12.43	3.85	6.15	0.00	7.36	0.00	185			
1720	6.0 C.Y.	57,388	10.20	13.06	4.05	6.47	0.00	7.73	0.00	195			
1725	6.5 C.Y.	60,974	10.83	13.87	4.30	6.87	0.00	8.21	0.00	208			
1730	7.0 C.Y.	63,250	11.25	14.39	4.47	7.14	0.00	8.52	0.00	218			
1735	7.5 C.Y.	66,262	11.78	15.07	4.67	7.47	0.00	8.92	0.00	229			
<b>BUCKETS, CONCRETE</b>													
<b>*****</b>													
LOWBOY -AIR OPER GATE													
CAMLEVER													
1750	LB-375 3/8 C.Y.	3,233	0.56		0.22	0.35	0.00			2			
1755	LB-050 1/2 C.Y.	3,411	0.59		0.24	0.37	0.00			2			
1760	LB-075 3/4 C.Y.	3,513	0.61		0.24	0.38	0.00			3			
1765	LB-100 1.0 C.Y.	3,676	0.64		0.26	0.40	0.00			5			
1770	LB-150 1.5 C.Y.	4,187	0.72		0.29	0.45	0.00			6			
1775	LB-200 2.0 C.Y.	5,327	0.93		0.37	0.58	0.00			8			
1780	LB-300 3.0 C.Y.	6,258	1.09		0.43	0.68	0.00			12			
1785	LB-400 4.0 C.Y.	7,249	1.26		0.50	0.79	0.00			15			
<b>GENERAL PURPOSE &amp; MANUAL</b>													
<b>GAR-BRO</b>													
1795	433-G 1.0 C.Y.	1,621	0.29		0.12	0.18	0.00			6			
1800	442-G 1.5 C.Y.	2,028	0.35		0.14	0.22	0.00			8			
1805	462-G 2.0 C.Y.	2,624	0.46		0.19	0.29	0.00			11			
1810	493-G 3.0 C.Y.	3,706	0.64		0.26	0.40	0.00			19			
1815	4123-G 4.0 C.Y.	4,648	0.81		0.33	0.51	0.00			23			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT		
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL			
			AVERAGE	SEVERE							
<b>BUCKETS, CONCRETE (CONT'D)</b>											
*****											
LOW SLUMP - AIR OPERATED GATE GAR-BRO											
1825	440-A	1.0 C.Y.	6,722	1.17	0.47	0.73	0.00		19		
1830	450-A	1.5 C.Y.	6,988	1.20	0.48	0.75	0.00		21		
1835	460-A	2.0 C.Y.	7,260	1.26	0.50	0.79	0.00		23		
1840	493-A	3.0 C.Y.	9,543	1.66	0.66	1.04	0.00		42		
1845	4139-A	4.0 C.Y.	9,937	1.73	0.69	1.08	0.00		52		
1850	4200-A	6.0 C.Y. DBL. COMPT.	14,350	2.49	0.99	1.56	0.00		72		
1855	4250-A	8.0 C.Y. DBL. COMPT.	17,163	2.98	1.18	1.86	0.00		80		
LAYDOWN - HEAVY DUTY - AIR GATE GAR-BRO											
1865	425-A	1.0 C.Y.	7,604	1.31	0.52	0.82	0.00		26		
1870	465-A	2.0 C.Y.	8,494	1.47	0.59	0.92	0.00		31		
1875	495-A	3.0 C.Y.	9,850	1.71	0.68	1.07	0.00		40		
1880	4125-A	4.0 C.Y.	10,968	1.90	0.76	1.19	0.00		49		
1885	4155-A	5.0 C.Y.	12,847	2.23	0.89	1.40	0.00		60		
<b>BUCKETS, DRAGLINE</b>											
*****											
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED											
1900		.75 C.Y.	3,608	0.63	0.81	0.25	0.40	0.00	0.48	0.00	15
1905		1.0 C.Y.	4,282	0.76	0.97	0.30	0.48	0.00	0.57	0.00	18
1910		1.5 C.Y.	5,235	0.93	1.19	0.37	0.59	0.00	0.70	0.00	26
1915		2.0 C.Y.	6,184	1.09	1.40	0.43	0.69	0.00	0.83	0.00	32
1920		2.5 C.Y.	7,263	1.29	1.65	0.52	0.82	0.00	0.98	0.00	37
1925		3.0 C.Y.	8,957	1.59	2.04	0.63	1.01	0.00	1.21	0.00	46
1930		3.5 C.Y.	9,902	1.76	2.26	0.70	1.12	0.00	1.34	0.00	50
1935		4.0 C.Y.	12,072	2.14	2.75	0.85	1.36	0.00	1.63	0.00	65
1940		4.5 C.Y.	12,817	2.27	2.91	0.90	1.44	0.00	1.72	0.00	69

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
*****BUCKETS, DRAGLINE (CONT'D)*****												
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED (CONT'D)												
1945	5.0 C.Y.	15,476	2.76	3.53	1.10	1.75	0.00	2.09	0.00	85		
1950	6.0 C.Y.	16,771	2.98	3.82	1.18	1.89	0.00	2.26	0.00	90		
1955	7.0 C.Y.	18,340	3.26	4.17	1.30	2.07	0.00	2.47	0.00	101		
1960	8.0 C.Y.	20,332	3.61	4.63	1.43	2.29	0.00	2.74	0.00	112		
1965	9.0 C.Y.	23,481	4.17	5.34	1.65	2.64	0.00	3.16	0.00	128		
1970	10.0 C.Y.	25,519	4.54	5.81	1.80	2.88	0.00	3.44	0.00	139		
1975	12.0 C.Y.	31,362	5.58	7.13	2.22	3.54	0.00	4.22	0.00	166		
1980	14.0 C.Y.	36,060	6.41	8.21	2.55	4.07	0.00	4.86	0.00	191		
HENDRIX - MODEL TS, MEDIUM WEIGHT												
1990	.75 C.Y.	4,204	0.75	0.95	0.30	0.48	0.00	0.56	0.00	17		
1995	1.0 C.Y.	5,169	0.93	1.18	0.37	0.59	0.00	0.70	0.00	19		
2000	1.5 C.Y.	6,378	1.13	1.45	0.45	0.72	0.00	0.86	0.00	28		
2005	2.0 C.Y.	7,609	1.35	1.73	0.54	0.86	0.00	1.02	0.00	36		
2010	2.5 C.Y.	8,771	1.56	1.99	0.62	0.99	0.00	1.18	0.00	41		
2015	3.0 C.Y.	10,487	1.87	2.38	0.75	1.19	0.00	1.41	0.00	49		
2020	3.5 C.Y.	11,582	2.06	2.64	0.82	1.31	0.00	1.56	0.00	54		
2025	4.0 C.Y.	13,909	2.47	3.16	0.98	1.57	0.00	1.87	0.00	70		
2030	4.5 C.Y.	14,872	2.65	3.38	1.05	1.68	0.00	2.00	0.00	72		
2035	5.0 C.Y.	19,065	3.39	4.33	1.35	2.15	0.00	2.56	0.00	93		
2040	6.0 C.Y.	19,702	3.51	4.48	1.40	2.23	0.00	2.65	0.00	96		
2045	7.0 C.Y.	22,489	4.00	5.12	1.59	2.54	0.00	3.03	0.00	111		
2050	8.0 C.Y.	24,760	4.40	5.64	1.75	2.79	0.00	3.34	0.00	122		
2055	9.0 C.Y.	29,642	5.28	6.74	2.10	3.35	0.00	3.99	0.00	149		
2060	10.0 C.Y.	31,569	5.61	7.19	2.23	3.56	0.00	4.26	0.00	159		
2065	12.0 C.Y.	40,234	7.15	9.16	2.84	4.54	0.00	5.42	0.00	202		
2070	14.0 C.Y.	44,801	7.97	10.19	3.17	5.06	0.00	6.03	0.00	225		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT			
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL			
BUCKETS, DRAGLINE (CONT'D)												
*****												
HENDRIX - MODEL MH-S, HEAVY WEIGHT												
2080	2.75 C.Y.	16,810	2.99	3.83	1.19	1.90	0.00	2.27	0.00	69		
2085	3.0 C.Y.	17,483	3.11	3.98	1.23	1.97	0.00	2.36	0.00	72		
2090	3.5 C.Y.	19,575	3.47	4.46	1.38	2.20	0.00	2.64	0.00	81		
2095	4.0 C.Y.	26,184	4.65	5.96	1.85	2.95	0.00	3.53	0.00	110		
2100	4.5 C.Y.	29,273	5.20	6.66	2.07	3.30	0.00	3.94	0.00	123		
2105	5.0 C.Y.	30,229	5.37	6.88	2.13	3.41	0.00	4.07	0.00	127		
2110	6.0 C.Y.	32,373	5.75	7.37	2.28	3.65	0.00	4.36	0.00	136		
2115	7.0 C.Y.	41,160	7.32	9.37	2.90	4.64	0.00	5.55	0.00	175		
2120	8.0 C.Y.	42,332	7.53	9.63	2.99	4.78	0.00	5.70	0.00	180		
2125	9.0 C.Y.	53,842	9.57	12.25	3.80	6.07	0.00	7.25	0.00	234		
2130	10.0 C.Y.	55,913	9.94	12.72	3.95	6.31	0.00	7.53	0.00	243		
2135	12.0 C.Y.	66,500	11.82	15.13	4.69	7.50	0.00	8.96	0.00	289		
2140	14.0 C.Y.	70,846	12.59	16.13	5.00	7.99	0.00	9.55	0.00	309		
SAUERMAN - CRESCENT SCRAPER												
WITH DRAGLINE CONVERSION KIT												
2155	SC-1050-K 1.0 C.Y.	10,157	1.81	2.30	0.72	1.15	0.00	1.36	0.00	15		
2160	SC-1060-K 1.5 C.Y.	13,009	2.32	2.96	0.92	1.47	0.00	1.75	0.00	20		
2165	SC-1070-K 2.0 C.Y.	17,829	3.17	4.06	1.26	2.01	0.00	2.40	0.00	25		
2170	SC-1090-K 3.0 C.Y.	23,586	4.19	5.36	1.67	2.66	0.00	3.17	0.00	36		
2175	SC-1100-K 4.0 C.Y.	35,252	6.27	8.01	2.49	3.98	0.00	4.74	0.00	49		
2180	SC-1110-K 5.0 C.Y.	40,196	7.15	9.15	2.84	4.54	0.00	5.42	0.00	58		
2185	SC-1120-K 6.0 C.Y.	48,719	8.67	11.08	3.44	5.50	0.00	6.56	0.00	68		
2190	SC-1130-K 8.0 C.Y.	59,194	10.52	13.47	4.17	6.67	0.00	7.97	0.00	88		
2195	SC-1140-K 10.0 C.Y.	71,820	12.77	16.35	5.07	8.10	0.00	9.68	0.00	106		
2200	SC-1150-K 12.0 C.Y.	83,329	14.81	18.96	5.87	9.39	0.00	11.22	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.	OWNERSHIP	FUEL	
COMPACTORS, MANUALLY OPERATED									
2210	UR-12 INGERSOLL-RAND RAMMER	3 HP G	1,717	0.88			0.17	0.28	0.23
2215	BS45Y WACKER RAMMER	3 HP G	1,702	0.87			0.16	0.27	0.23
2220	BS65Y WACKER RAMMER	4 HP G	3,091	1.46			0.31	0.51	0.30
2225	GVR151Y WACKER RAMMER	5 HP G	2,411	1.32			0.24	0.40	0.38
2230	GVR220Y WACKER RAMMER	6 HP G	3,091	1.65			0.31	0.51	0.45
2235	VPG160B WACKER VIBRO PLATE	4 HP G	1,334	0.84			0.13	0.22	0.30
2240	VPG260K WACKER VIBRO PLATE	7 HP G	1,899	1.32			0.19	0.31	0.53
2245	BT-50 BOMAG TAMPING	5 HP G	1,895	1.13			0.19	0.31	0.38
2250	BT-58 BOMAG TAMPING	3 HP G	1,935	0.96			0.19	0.32	0.23
2255	BT-68 BOMAG TAMPING	3 HP G	2,283	1.08			0.22	0.37	0.23
2260	BT-71 BOMAG TAMPING	4 HP G	2,362	1.19			0.23	0.38	0.30
2265	BP10/36W BOMAG VIBRO PL W/SPRNKLR	4 HP G	1,181	0.79			0.12	0.20	0.30
2270	BP-11K BOMAG VIBRO PLATE	4 HP G	1,696	0.96			0.16	0.27	0.30
2275	BP-19/75 BOMAG VIBRO PLATE	5 HP D	3,231	1.32			0.32	0.53	0.15
2280	BP-30R BOMAG VIBRO PLATE	5 HP G	4,489	2.04			0.44	0.73	0.38
2285	BP-30 BOMAG VIBRO PLATE	5 HP D	5,660	2.17			0.56	0.93	0.15
2290	BP-50 BOMAG VIBRO PLATE	7 HP D	8,398	3.21			0.82	1.37	0.22
2295	BW-75E BOMAG WALK BEHIND S/D	5 HP D	8,426	3.13			0.82	1.37	0.15
2300	BW-35 BOMAG WALK BEHIND D/D	4 HP D	9,734	3.55			0.95	1.59	0.12
2305	BW-60SE BOMAG D/D ROLLER	8 HP D	13,361	4.99			1.31	2.19	0.25
2310	BW-90SE BOMAG D/D ROLLER	13 HP D	16,766	6.36			1.63	2.74	0.40
2315	VPG600 WACKER VIBRO PLATE	9 HP G	3,500	2.06			0.34	0.57	0.68
2320	DPS2350 WACKER VIBRO PLATE	7 HP D	3,698	1.57			0.37	0.61	0.22
2325	DPU5050 WACKER VIBRO PLATE	11 HP D	12,432	4.77			1.21	2.03	0.34
2330	W 55 T WACKER D/D ROLLER	8 HP D	11,367	4.28			1.10	1.85	0.25
2335	W 74 T WACKER D/D ROLLER	8 HP D	12,785	4.78			1.25	2.09	0.25

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			GWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	
	CONCRETE BLASTERS *****								
	BLASTRAC								
2350	DSC-15 SURFACE PREP/CLEANING MACH	41 HP D	58,837	18.22		5.72	9.60	0.97	40
	CONCRETE BUGGIES *****								
	AEROIL								
2365	5 CF WALK-BEHIND	5 HP G	1,828	0.91		0.18	0.30	0.29	3
	WHITEMAN								
2375	MODWBS11 WALK & RIDE	8 HP G	4,633	1.95		0.45	0.75	0.47	7
	CONCRETE FINISHERS *****								
	BOMAG								
2390	MOD F46B4 GYRO TROWEL	7 HP G	1,505	0.98		0.15	0.25	0.41	2
2395	MOD RF2B4 DOUBLTROWEL	16 HP G	5,937	2.95		0.58	0.97	0.94	7
2400	MOD RF3B3 TRIPLTROWEL	16 HP G	7,656	3.45		0.75	1.25	0.94	9
	CONCRETE MIXERS *****								
2410	PORTABLE CONCRETE MIXER 2.5 CF	1 HP E	698	0.27		0.06	0.09	0.06	2
2415	PORTABLE CONCRETE MIXER 4.0 CF	4 HP E	1,193	0.67		0.11	0.18	0.22	3
2420	PORTABLE CONCRETE MIXER 3.5 CF	1 HP E	718	0.29		0.06	0.10	0.06	3
2425	PORTABLE CONCRETE MIXER 6.0 CF	6 HP E	2,258	1.15		0.21	0.35	0.34	7
2430	PORTABLE CONCRETE MIXER 6.0 CF	7 HP G	2,331	1.20		0.22	0.36	0.41	7
2435	PORTABLE MORTAR MIXER 6.0 CF	7 HP G	1,723	1.02		0.16	0.26	0.41	6

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					
CONCRETE PAVERS														
*****														
CATERPILLAR														
2450	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANES, AND SIDEWALKS	142 HP D	138,184	30.60		9.52	14.99	3.13		263				
2455	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP D	261,209	56.13		17.99	28.34	4.58		540				
2460	MOD SF - 450 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	464,522	96.44		31.98	50.39	5.51		960				
2465	MOD SF - 500 24' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	400 HP D	534,498	114.14		36.80	57.98	8.82		1150				
GOMACO														
2475	MOD C-650FF 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP G	28,089	10.11		1.94	3.05	3.56		92				
2480	MOD C-650S 24' SLIPFORM PAVER W/4' FINISHING CYLINDERS	65 HP G	50,594	14.44		3.49	5.49	3.56		122				
2485	MOD GP-1500 12' SLIPFORM PAVER UNIT 0-51 FT/MIN, CRAWLER MTD	107 HP D	114,340	25.02		7.87	12.40	2.36		280				
2490	MOD GP-2000 16' SLIPFORM PAVER UNIT 0-38 FT/MIN, CRAWLER MTD	145 HP D	155,365	33.99		10.70	16.86	3.20		340				
2495	MOD GP-2500 25' SLIPFORM PAVER UNIT 0-39 FT/MIN, CRAWLER MTD	215 HP D	211,291	46.73		14.55	22.92	4.74		450				
2500	MOD GP-3500 42' SLIPFORM PAVER	325 HP D	394,423	85.07		27.16	42.79	7.16		880				
2505	MOD GP-5000 50' SLIPFORM PAVER	430 HP D	564,221	120.71		38.85	61.21	9.48		1320				
2510	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	128,206	27.48		8.82	13.90	2.20		255				
CONCRETE PLACERS, SHOTCRETE														
*****														
ALLENSTOWN														
2525	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP D	25,616	6.64		2.07	3.39	0.39		45				
2530	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP D	29,288	7.86		2.37	3.89	0.65		60				
2535	GR600 ROTARY GUN 1-6 CY/HR INCL. HOSE, REQ. 550 CFM COMP.	550CFM A	8,441	2.22		0.68	1.11	0.00		9				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT
			CONDITION	STAND BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.	
					FUEL	OWNER-SHIP	FUEL	SEVERE COND.	
	CONCRETE PLACERS, SHOTCRETE (CONT'D) *****								
	ALLENTOWN (CONT'D)								
2540	GR1200 ROTARY GUN 4-12 CY/HR 770CFM A INCL. HOSE, REQ. 770 CFM COMP.	16,474	4.27		1.34	2.19	0.00		18
	CONCRETE PUMPS *****								
	MORGEN								
2565	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	56,369	18.11		4.61	7.57	3.57		70
2570	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	149,085	48.67		12.12	19.91	10.00		255
	SCHWING								
2580	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	46,515	13.96		3.80	6.24	2.18		66
2585	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	72,756	23.79		5.91	9.69	4.94		98
2590	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	74,751	24.27		6.06	9.95	4.94		98
2595	MOD BP 3000 TRAILER MTD 127 CY/HR 177 HP D	98,997	31.14		8.08	13.27	5.75		130
2600	MOD BP 5000 TRAILER MTD 151 CY/HR 300 HP D	127,120	43.01		10.38	17.05	9.74		150
2605	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	153,718	47.75		12.41	20.35	8.33		302
2610	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	220,927	63.89		17.90	29.37	8.33		321
2615	MOD BPL1200 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	270,354	79.75		21.88	35.90	11.38		408
	CONCRETE SAWS *****								
	(SAWBLADE WEAR NOT INCLUDED)								
	FELKER								
2630	MOD 8BOC 5" DEPTH OF CUT 8 HP G	1,691	1.19		0.14	0.22	0.60		3
2635	MOD 12WOC 5" DEPTH OF CUT 12 HP G	2,114	1.69		0.17	0.27	0.91		3
2640	MOD 14TCC 5" DEPTH OF CUT 14 HP G	2,093	1.89		0.17	0.27	1.06		3
2645	MOD 140MR 8" DEPTH OF CUT 14 HP G	4,692	2.50		0.37	0.60	1.06		6
2650	MOD 185MR 8" DEPTH OF CUT 18 HP G	5,953	3.20		0.48	0.77	1.36		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				
<b>CONCRETE SAWS (CONT'D)</b> ***** <b>(SAWBLADE WEAR NOT INCLUDED)</b>												
<b>PELKER (CONT'D)</b>												
2655	MOD 300MR	8" DEPTH OF CUT 30 HP G	6,735	4.58		0.54	0.87	2.27	7			
2660	MOD 350MCA	10" DEPTH OF CUT 35 HP G	9,862	5.81		0.79	1.28	2.64	12			
2665	MOD 665MCA	15" DEPTH OF CUT 65 HP G	13,243	9.59		1.06	1.71	4.91	14			
<b>LONGYEAR</b>												
2675	MOD 360-10HM WALL SAW	1700 PSI 10 HP G	10,841	3.54		0.86	1.39	0.76	2			
2680	MOD 360-35HM WALL SAW	2500 PSI 35 HP G	12,027	6.31		0.96	1.55	2.64	2			
2685	MOD 800WR	5" DEPTH OF CUT 8 HP G	1,269	1.09		0.11	0.17	0.60	2			
2690	MOD 815WR	7" DEPTH OF CUT 11 HP G	1,896	1.55		0.16	0.25	0.83	2			
2695	MOD 815EB	5" DEPTH OF CUT 5 HP G	2,037	0.98		0.16	0.26	0.38	2			
2700	MOD 1800W	5" DEPTH OF CUT 18 HP G	5,956	3.20		0.48	0.77	1.36	5			
2705	MOD 3535W	5" DEPTH OF CUT 35 HP G	7,862	5.34		0.63	1.02	2.64	9			
2710	MOD 6530-48	21" DEPTH OF CUT 65 HP G	13,201	9.59		1.06	1.71	4.91	13			
<b>CRANES, SHOVEL, BACKHOE, DRAGLINE</b> *****												
<b>AMERICAN - CRAWLER TYPE</b>												
	MOD 597-C	1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES										
2730	DRAGLINE OR CLAMSHELL (LESS BUCKET)		290,633	41.34	48.96	16.09	24.24	1.98	26.84			
2735	CRANE 35-T W/65' BOOM		292,447	38.34	44.42	16.19	24.39	1.59	27.00			
	MOD 599-A	LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES										
2745	CRANE 50-T W/75' BOOM		318,769	41.62	48.20	17.65	26.59	1.59	29.44			
	MOD 5299-A	LIFTING CRANE T/C 125 HP D 17'-6" CRAWLERS W/36" SHOES										
2755	CRANE 60-T W/80' BOOM		332,178	43.46	50.37	18.38	27.70	1.74	30.68			
									2.25			
									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	SEVERE	OWNER-SHIP	FUEL	
			AVERAGE	SEVERE						
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	AMERICAN - CRAWLER TYPE (CONT'D)									
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2765	DRAGLINE OR CLAMSHELL (LESS BUCKET)	396,952	56.71	67.20	21.97	33.10	2.92	36.66	3.70	1278
2770	CRANE 40-T W/75' BOOM	388,533	51.20	59.38	21.50	32.40	2.34	35.89	3.02	1262
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2780	CRANE 60-T W/80' BOOM	411,684	49.48	56.07	20.72	30.34	2.34	32.84	3.02	1421
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES									
2790	CRANE 100T W/200' BOOM	504,162	59.95	67.83	25.37	37.15	2.34	40.21	3.02	1886
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2800	CRANE 110-T W/200' BOOM	687,575	82.76	93.79	34.60	50.67	4.00	54.84	5.16	2792
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2810	CRANE 125T W/270' BOOM	718,110	86.23	97.68	36.14	52.93	4.00	57.28	5.16	3150
2815	DRAGLINE OR CLAMSHELL (LESS BUCKET)	691,591	89.91	103.94	34.80	50.97	4.99	55.16	6.33	2950
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES									
2825	CRANE 150T W/280' BOOM	777,521	92.96	105.24	39.13	57.31	4.00	62.01	5.16	3400
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES									
2835	CRANE 165T W/290' BOOM	817,166	94.21	105.43	39.07	56.26	4.00	60.22	5.16	3580
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES									
2845	CRANE 225T W/280' BOOM	858,211	98.69	110.41	41.03	59.09	4.00	63.25	5.16	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		OWNER-SHIP	FUEL	OWNER-SHIP					
<b>CRANES, SHOVEL, B/H, DRAGLINE (CONT'D)</b> *****													
LINK BELT - CRAWLER TYPE													
MOD LS-78 LIFTING CRANE T/C 84 HP D 13'-7" CRAWLERS W/24" SHOES													
2865	CRANE 17.5-T W/40' BOOM	182,670	25.75	30.55	10.96	16.87	1.17	19.10	1.51	506			
MOD LS-98 LIFTING CRANE T/C 110 HP D 15'-0" CRAWLERS W/24" SHOES													
2875	CRANE 25-T W/50' BOOM	207,066	29.47	34.99	12.43	19.13	1.53	21.65	1.98	625			
MOD LS-98 PIPELINER CRANE T/C 112 HP D 15'-7" CRAWLERS W/30" SHOES													
2885	CRANE 30-T W/40' BOOM	233,510	30.95	35.92	12.92	19.47	1.56	21.57	2.01	727			
MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/30" SHOES													
2900	CRANE 40-T W/50' BOOM	219,801	29.22	33.92	12.17	18.33	1.53	20.30	1.98	772			
MOD LS-108B LIFTING CRANE T/C 110 HP D 15'-0" CRAWLERS W/30" SHOES													
2910	CRANE 45-T W/50' BOOM	273,847	35.95	41.68	15.16	22.84	1.53	25.29	1.98	833			
MOD LS-118 LIFTING CRANE T/C 178 HP D 17'-0" CRAWLERS W/30" SHOES													
2920	CRANE 60-T W/80' BOOM	347,193	42.35	48.08	17.47	25.58	2.48	27.69	3.20	1232			
MOD LS-318 LIFTING CRANE T/C 208 HP D 17'-0" CRAWLERS W/32" SHOES													
2930	CRANE 80-T W/150' BOOM	411,676	50.17	56.95	20.72	30.34	2.90	32.84	3.74	1445			
MOD LS-338 LIFTING CRANE T/C 208 HP D 20'-0" CRAWLERS W/38" SHOES													
2940	CRANE 100-T W/200' BOOM	511,132	61.44	69.60	25.72	37.67	2.90	40.77	3.74	1865			
MOD LS-418A LIFTING CRANE T/C 245 HP D 22'-4" CRAWLERS W/38" SHOES													
2950	CRANE 117-T W/230' BOOM	596,552	71.74	81.29	30.02	43.97	3.41	47.58	4.41	2235			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION	STAND-	BY	AVERAGE COND.	SEVERE COND.				
							OWNER-SHIP	FUEL			
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****										
	LINK BELT - CRAWLER TYPE (CONT'D)										
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W-44" SHOES										
2960	CRANE 150-T W/250' BOOM	729,629	86.82	98.22	36.72	53.78	3.41	58.19	4.41	2826	
	MOD LS-718 LIFTING CRANE T/C 450 HP D 30'-0" CRAWLERS W/50" SHOES										
2970	CRANE 250-T W/290' BOOM	997,320	116.69	130.90	47.69	68.67	6.26	73.51	8.09	4388	
	MOD LS-818 LIFTING CRANE T/C 450 HP D 31'-5" CRAWLERS W/50" SHOES										
2980	CRANE 300-T W/310' BOOM	1,261,700	145.56	162.94	60.32	86.87	6.26	92.99	8.09	5069	
	MOD LS-918 LIFTING CRANE T/C 600 HP D 34'-10" CRAWLERS W/60" SHOES										
2990	CRANE 400-T W/340' BOOM	2,075,116	237.00	264.86	99.22	142.88	8.35	152.93	10.79	6783	
	MOD LS-1018 LIFTING CRANE T/C 600 HP D 38'-8" CRAWLERS W/60" SHOES										
3000	CRANE 500-T W/340' BOOM	2,484,060	281.66	314.43	118.76	171.03	8.35	183.08	10.79	8021	
	MANITOWOC - CRAWLER TYPE										
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES										
3015	DRAGLINE OR CLAMSHELL (LESS BUCKET)	493,833	65.93	76.43	24.85	36.39	4.99	39.39	6.33	2306	
3020	CRANE 100T W/210' BOOM	543,156	66.41	75.42	27.33	40.03	4.00	43.32	5.16	2354	
	MOD 3900W VICON SER2 T/C 300 HP D 24'-0" CRAWLERS W/48" SHOES										
3030	CRANE 140T W/250' BOOM	641,692	77.80	88.25	32.30	47.30	4.18	51.19	5.39	2815	
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES										
3040	DRAGLINE OR CLAMSHELL (LESS BUCKET)	831,063	108.36	125.31	41.82	61.25	6.26	66.29	7.93	3788	
3045	CRANE 200T W/260' BOOM	892,761	103.72	116.22	42.69	61.47	5.01	65.80	6.47	3929	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL	OWNERSHIP	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	MANITOWOC - CRAWLER TYPE (CONT'D)									
	MOD 4600 VICON SERIES 3 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
3055	CRANE 240T W/260' BOOM	1,319,970	155.99	175.25	63.11	90.88	9.54	97.28	12.32	5200
3060	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,306,330	166.77	190.82	62.46	89.95	11.92	96.27	15.10	5100
	NORTHWEST - CRAWLER TYPE									
	MOD 50-D/5030 1.0 CY 190 HP D 15'-4" CRAWLERS W/30" SHOES									
3075	DRAGLINE OR CLAMSHELL (LESS BUCKET)	255,881	43.61	53.76	16.09	25.06	3.31	28.79	4.19	930
3080	CRANE 30-T W/40' BOOM	233,427	32.25	37.59	12.92	19.47	2.64	21.55	3.42	869
	MOD 50-D/5035 1.25 CY 190 HP D 15'-4" CRAWLERS W/30" SHOES									
3090	DRAGLINE OR CLAMSHELL (LESS BUCKET)	267,431	39.83	47.31	14.81	22.31	3.31	24.69	4.19	932
3095	CRANE 35-T W/50' BOOM	243,820	33.54	39.09	13.49	20.33	2.64	22.52	3.42	872
	MOD 50-D/5050 2.0 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES									
3105	DRAGLINE OR CLAMSHELL (LESS BUCKET)	309,534	46.47	55.23	17.14	25.82	4.14	28.58	5.25	957
3110	CRANE 50-T W/60' BOOM	308,009	42.33	49.33	17.04	25.68	3.31	28.44	4.28	952
	MOD 70-D/7060 2.5 CY T/C 238 HP D 19'-0" CRAWLERS W/33" SHOES									
3120	DRAGLINE OR CLAMSHELL (LESS BUCKET)	383,453	56.38	66.94	21.22	31.98	4.14	35.42	5.25	1425
3125	CRANE 60-T W/50' BOOM	376,528	46.69	53.14	18.95	27.75	3.31	30.04	4.28	1403
	MOD 70-D/7080 3.5 CY T/C 238 HP D 19'-0" CRAWLERS W/33" SHOES									
3135	DRAGLINE OR CLAMSHELL (LESS BUCKET)	421,290	56.11	65.01	21.20	31.05	4.14	33.60	5.25	1497
3140	CRANE 80-T W/160' BOOM	435,749	53.41	60.66	21.93	32.12	3.31	34.75	4.28	1524

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNERSHIP	FUEL	OWNERSHIP				
<b>CRANES, SHOVEL, B/H, DRAGLINE (CONT'D)</b> *****													
<b>NORTHWEST - CRAWLER TYPE (CONT'D)</b>													
	MOD 80-D 3.0 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES												
3150	SHOVEL	489,153	89.27	110.05	30.76	47.91	5.34	55.03	7.02	1510			
3155	DRAGLINE OR CLAMSHELL (LESS BUCKET)	421,373	61.99	73.58	23.32	35.14	4.58	38.91	5.80	1274			
3160	CRANE 40-T W/50' BOOM	414,440	56.02	65.15	22.94	34.57	3.66	38.27	4.73	1267			
	MOD 9570-WT 4.0 CY T/C 304 HP D 19'-0" CRAWLERS W/38" SHOES												
3170	DRAGLINE OR CLAMSHELL (LESS BUCKET)	463,711	62.64	72.68	23.33	34.17	5.29	36.98	6.70	1580			
3175	CRANE 60-T W/50' BOOM	456,817	56.91	64.81	22.99	33.67	4.23	36.44	5.47	1565			
	MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES												
3185	SHOVEL	777,732	140.45	173.01	48.91	76.18	7.27	87.49	9.55	2571			
3190	DRAGLINE OR CLAMSHELL (LESS BUCKET)	667,639	88.52	102.51	33.60	49.21	6.23	53.25	7.89	2365			
3195	CRANE 97.5-T W/170' BOOM	695,512	84.87	96.37	35.00	51.26	4.98	55.48	6.44	2464			
	MOD 190-D WT SERIES 3 T/C 456 HP D 21'-1" CRAWLERS W/54" SHOES												
3205	DRAGLINE 6.5 CY (LESS BUCKET)	719,932	93.59	107.31	34.42	49.57	7.93	53.06	10.05	2740			
3210	CRANE 100-T W/170' BOOM	753,502	93.10	105.89	37.92	55.53	6.35	60.10	8.20	2872			
	MOD 1200-C T/C 525 HP D 21'-10" CRAWLERS W/48" SHOES												
3220	CRANE 150-T W/240' BOOM	630,715	80.36	91.78	31.74	46.48	7.31	50.31	9.44	2822			
<b>P &amp; H - CRAWLER TYPE</b>													
	MOD 320H .75 CY T/C 93 HP D 13'-7" CRAWLERS W/30" SHOES												
3235	DRAGLINE OR CLAMSHELL (LESS BUCKET)	135,475	22.92	28.24	8.52	13.27	1.62	15.24	2.05	580			
3240	CRANE 25-T W/50' BOOM	137,514	19.93	23.71	8.25	12.70	1.29	14.38	1.67	610			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****									
	P & H - CRAWLER TYPE (CONT'D)									
	MOD C-65 2.00 CY T/C 130 HP D 18'-2" CRAWLERS W/30" SHOES									
3255	DRAGLINE OR CLAMSHELL (LESS BUCKET)	304,321	43.51	51.55	16.84	25.38	2.26	28.10	2.87	1171
3260	CRANE 65-T W/180' BOOM	326,595	39.21	44.41	16.44	24.07	1.81	26.05	2.34	1352
	MOD 5100 3 CY T/C 188 HP D 21'-6" CRAWLERS W/36" SHOES									
3275	DRAGLINE OR CLAMSHELL (LESS BUCKET)	473,385	61.36	70.91	23.82	34.89	3.27	37.76	4.14	1485
3280	CRANE 100-T W/210' BOOM	525,923	62.77	71.05	26.47	38.76	2.62	41.95	3.38	1880
	MOD C-120 4 CY T/C 260 HP D 24'-0" CRAWLERS W/36" SHOES									
3290	DRAGLINE OR CLAMSHELL (LESS BUCKET)	508,622	67.16	77.75	25.59	37.48	4.52	40.57	5.73	2203
3295	CRANE 120-T W/230' BOOM	536,940	65.25	74.03	27.03	39.58	3.62	42.83	4.67	2340
	MOD C-165 5 CY T/C 260 HP D 26'-3" CRAWLERS W/42" SHOES									
3305	DRAGLINE OR CLAMSHELL (LESS BUCKET)	661,528	85.69	99.02	33.29	48.75	4.52	52.76	5.73	2510
3310	CRANE 165-T W/270' BOOM	725,397	83.72	93.70	34.69	49.95	3.62	53.46	4.67	3333
	MOD DELTA 5250 LIFTING CRANE T/C 328 HP D 30'-5" CRAWLERS W/48" SHOES									
3320	CRANE 250-T W/290' BOOM	1,038,027	119.05	133.12	49.64	71.48	4.57	76.50	5.90	4373
	CRANES, HYDRAULIC SELF-PROPELLED *****									
	BRODERSON									
3335	MOD IC-80-18 8.5 TON 64 HP D	53,211	8.44		2.83	4.20	1.41			150
3340	MOD RTR-80-3B 9 TON 97 HP D	68,251	11.24		3.61	5.37	2.14			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. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL									
			AVERAGE	SEVERE													
<b>CRANES, HYD SELF-PROPELLED (CONT'D)</b>																	
*****																	
GROVE																	
3350	MOD RT58A	14 TON	130 HP D	117,724	18.69	6.18	9.15	2.87	420								
3355	MOD RT515	15 TON	115 HP D	125,068	19.14	6.57	9.74	2.53	425								
3360	MOD RT518	18 TON	115 HP D	141,418	21.32	7.40	10.96	2.53	452								
3365	MOD RT520	20 TON	115 HP D	149,579	22.31	7.84	11.61	2.53	469								
3370	MOD RT522	22 TON	115 HP D	154,776	22.97	8.11	12.01	2.53	498								
3375	MOD RT625	25 TON	156 HP D	205,921	30.07	10.81	16.02	3.44	560								
3380	MOD RT630	30 TON	156 HP D	213,794	31.74	11.19	16.57	3.44	580								
3385	MOD RT635	35 TON	160 HP D	220,407	32.67	11.55	17.10	3.53	600								
3390	MOD RT745	45 TON	198 HP D	286,234	42.33	14.95	22.12	4.36	785								
3395	MOD RT760	60 TON	198 HP D	341,632	49.67	17.81	26.33	4.36	855								
3400	MOD RT865	65 TON	208 HP D	420,059	59.67	21.96	32.51	4.58	1100								
3405	MOD RT990	90 TON	280 HP D	548,799	78.64	28.60	42.30	6.17	1360								
3410	MOD RT1650	165 TON	512 HP D	1,023,844	146.37	53.37	78.93	11.28	2400								
LORAIN																	
3420	MOD LRT150	15 TON	114 HP D	121,631	18.64	6.39	9.47	2.51	438								
3425	MOD LRT180	18 TON	121 HP D	138,681	20.93	7.31	10.84	2.67	450								
3430	MOD LRT200	20 TON	121 HP D	145,069	21.75	7.64	11.33	2.67	470								
3435	MOD LRT230	23 TON	121 HP D	151,294	22.70	7.93	11.75	2.67	490								
3440	MOD LRT250	25 TON	121 HP D	160,765	23.85	8.44	12.51	2.67	510								
3445	MOD LRT275	27.5 TON	121 HP D	165,747	24.45	8.70	12.90	2.67	520								
3450	MOD LRT330	33 TON	180 HP D	200,605	30.74	10.50	15.55	3.97	570								
P & H																	
3460	MOD OMEGA 115	15 TON	128 HP D	141,701	21.54	7.46	11.06	2.82	437								
3465	MOD OMEGA 118	18 TON	128 HP D	143,152	21.71	7.53	11.17	2.82	439								
3470	MOD OMEGA 120	20 TON	128 HP D	151,911	22.78	8.00	11.87	2.82	440								
3475	MOD OMEGA 122	22 TON	128 HP D	152,646	22.87	8.04	11.93	2.82	438								

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			
<b>CRANES, HYD SELF-PROPELLED (CONT'D)</b>												
*****												
P & H (CONT'D)												
3480	MOD OMEGA 25	25 TON	155 HP D	188,768	28.21	9.94	14.74	3.42	540			
3485	MOD OMEGA 30	30 TON	155 HP D	194,301	28.88	10.23	15.18	3.42	550			
3490	MOD OMEGA 35	35 TON	155 HP D	200,855	29.68	10.58	15.70	3.42	560			
3495	MOD OMEGA 40	40 TON	202 HP D	271,305	40.65	14.16	20.94	4.45	760			
3500	MOD OMEGA 45	45 TON	202 HP D	280,744	42.01	14.61	21.60	4.45	770			
3505	MOD OMEGA 50	50 TON	202 HP D	291,124	43.28	15.18	22.44	4.45	780			
3510	MOD OMEGA 65	65 TON	235 HP D	372,981	54.73	19.44	28.75	5.18	980			
PETTIBONE												
3520	MOD 16 MK P SERIES	8 TON	118 HP D	104,298	16.36	5.52	8.20	2.60	286			
3525	MOD 20 MK P SERIES	10 TON	118 HP D	107,733	16.85	5.70	8.46	2.60	302			
3530	MOD 25 MK P SERIES	12.5 TON	118 HP D	111,314	17.27	5.88	8.73	2.60	458			
3535	MOD 36 MK P SERIES	18 TON	118 HP D	129,049	19.71	6.77	10.04	2.60	494			
3540	MOD 45-SC P SERIES	22.5 TON	176 HP D	141,483	22.88	7.44	11.04	3.88	560			
3545	MOD 80-SC P SERIES	40 TON	176 HP D	238,034	35.86	12.37	18.28	3.88	862			
3550	MOD 100-SC	50 TON	188 HP D	293,349	42.92	15.34	22.70	4.14	1050			
3555	MOD 130-SC P SERIES	65 TON	212 HP D	331,336	49.02	17.22	25.43	4.67	1050			
<b>CRANES, HYDRAULIC TRUCK MOUNTED</b>												
*****												
(HP & FUEL LISTED EQUIP/CARRIER)												
GROVE												
3570	TMS250C	35 TON W/110' BOOM	183 HP D	217,534	28.49	33.05	10.86	15.85	4.03			
3575	TMS300B	40 TON W/136' BOOM	205 HP D	265,116	34.38	39.83	13.19	19.24	4.52			
3580	TMS475	50 TON W/140' BOOM	213 HP D	307,119	39.03	45.11	15.30	22.33	4.69			
3585	TMS760	60 TON W/150' BOOM	251 HP D	362,379	45.96	53.07	18.08	26.39	5.53			
3590	TMS875	75 TON W/146' BOOM	278 HP D	406,810	50.72	58.15	19.22	27.54	6.13			
3595	TM890	90 TON W/146' BOOM	188/268 HP D/D	466,871	55.99	63.53	22.10	31.70	5.51			
3600	TM1300	130 TON W/172' BOOM	196/335 HP D/D	738,987	83.50	93.51	33.46	47.24	6.03			
									50.10			
									7.68			
									1719			

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					
<b>CRANES, HYDRAULIC TRUCK MTD (CONT'D)</b>													
<b>*****</b>													
<b>(HP &amp; FUEL LISTED EQUIP/CARRIER)</b>													
<b>GROVE (CONT'D)</b>													
3605	TM1500 150 TON W/174' BOOM 196/391 HP D/D	872,965	97.16	108.56	39.59	55.93	6.31	59.33	8.01	1960			
<b>LINK BELT (FMC)</b>													
3615	HTC-814 14 TON W/80' BOOM 200 HP D	194,268	28.80	34.20	10.65	15.99	4.41	17.69	5.80	482			
3620	HTC-825 25 TON W/80' BOOM 225 HP D	201,154	30.34	36.08	11.03	16.56	4.96	18.32	6.52	499			
3625	HTC-830 30 TON W/80' BOOM 225 HP D	208,531	28.70	33.51	10.41	15.19	4.96	16.43	6.52	505			
3630	HTC-835 35 TON W/101' BOOM 225 HP D	219,615	29.87	34.82	10.97	16.01	4.96	17.31	6.52	525			
3635	HTC-840 40 TON W/110' BOOM 238 HP D	257,330	34.45	40.07	12.81	18.68	5.25	20.21	6.90	650			
3640	HTC-1055 55 TON W/120' BOOM 238 HP D	321,825	41.27	47.71	16.05	23.43	5.25	25.34	6.90	662			
<b>P &amp; H</b>													
3650	OMEGA T-250 25 TON W/80' BOOM 210 HP D	194,352	29.11	34.61	10.65	15.99	4.63	17.70	6.09	492			
3655	OMEGA T-300 30 TON W/100' BOOM 210 HP D	206,969	28.13	32.78	10.33	15.08	4.63	16.30	6.09	523			
3660	OMEGA T-350 35 TON W/110' BOOM 210 HP D	212,746	28.73	33.47	10.62	15.50	4.63	16.77	6.09	525			
3665	OMEGA T-400 40 TON W/106' BOOM 225 HP D	276,007	36.24	42.06	13.73	20.02	4.96	21.65	6.52	730			
3670	OMEGA T-450 45 TON W/140' BOOM 225 HP D	293,394	38.06	44.11	14.60	21.29	4.96	23.03	6.52	758			
3675	OMEGA T-500 50 TON W/140' BOOM 225 HP D	303,912	39.17	45.35	15.13	22.07	4.96	23.86	6.52	760			
3680	OMEGA T-650 66 TON W/147' BOOM 335 HP D	360,217	47.15	54.44	17.05	24.45	7.38	26.16	9.71	900			
<b>PETTIBONE</b>													
3690	50TKLSPC 25 TON W/98' BOOM 233 HP D	204,389	30.90	36.77	11.22	16.85	5.14	18.65	6.76	500			
3695	80TKLS 40 TON W/144' BOOM 244 HP D	260,889	35.01	40.73	12.99	18.95	5.38	20.49	7.08	740			
3700	110 TK P 55 TON W/114' BOOM 238 HP D	282,544	37.12	43.07	14.08	20.54	5.25	22.22	6.90	825			
3705	140 TK P 70 TON W/116' BOOM 322 HP D	354,420	46.43	53.59	16.74	23.99	7.10	25.66	9.34	1155			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES				ADJUSTABLE ELEMENTS				CWT										
			CONDITION		STAND BY	OWNER-SHIP	AVERAGE FUEL	SEVERE FUEL	OWNER-SHIP	SEVERE FUEL											
			AVERAGE	SEVERE																	
CRANES, TRUCK MOUNTED																					
*****																					
(HP & FUEL LISTED EQUIP/CARRIER)																					
AMERICAN																					
3720	5470	65 TON W/170' BOOM 115/238 HP D/D	432,549	51.63	58.89	21.51	31.37	3.75	33.94	4.75	1175										
3725	5530	75 TON W/170' BOOM 115/238 HP D/D	440,709	51.09	57.67	20.85	29.89	3.75	31.98	4.75	1245										
3730	7460	90 TON W/200' BOOM 213/230 HP D/D	542,133	64.12	72.69	25.69	36.87	5.87	39.46	7.55	1503										
3735	7530	125 TON W/220' BOOM 213/350 HP D/D	582,736	69.33	78.58	27.59	39.57	6.48	42.34	8.26	1696										
3740	8460	165 TON W/240' BOOM 268/350 HP D/D	835,075	94.42	105.82	37.96	53.68	7.69	56.94	9.85	2320										
3745	9530	220 TON W/260' BOOM 268/500 HP D/D	1,176,334	131.15	146.58	53.31	75.29	8.46	79.86	10.75	3480										
LINK BELT (PMC)																					
3755	HC78B	35 TON W/100' BOOM 84/197 HP D/D	277,641	33.69	38.47	13.82	20.15	2.86	21.79	3.61	773										
3760	HC108C	50 TON W/150' BOOM 110/238 HP D/D	368,737	44.78	51.15	18.30	26.67	3.64	28.84	4.61	1197										
3765	HC138A	75 TON W/200' BOOM 165/318 HP D/D	451,627	54.11	61.35	21.37	30.64	5.26	32.79	6.68	1304										
3770	HC218A	100 TON W/220' BOOM 165/318 HP D/D	528,602	62.10	70.22	25.03	35.90	5.26	38.41	6.68	1688										
3775	HC238B	140 TON W/230' BOOM 171/318 HP D/D	649,479	73.07	81.76	29.47	41.64	5.39	44.16	6.85	2220										
3780	HC268	225 TON W/310' BOOM 314/440 HP D/D	1,002,277	113.76	127.53	45.49	64.29	9.16	68.18	11.72	2852										
LORAIN																					
3790	MC790	90 TON W/220' BOOM 210/270 HP D/D	494,198	59.70	67.83	23.36	33.48	6.01	35.81	7.70	1594										
3795	MC1115	115 TON W/230' BOOM 210/301 HP D/D	537,874	64.36	73.01	25.45	36.49	6.16	39.03	7.88	1749										
3800	MC1400	140 TON W/230' BOOM 210/301 HP D/D	601,332	69.26	77.82	27.27	38.52	6.16	40.86	7.88	1950										
3805	MC1650	165 TON W/250' BOOM 220/315 HP D/D	737,444	83.40	93.39	33.46	47.27	6.46	50.13	8.25	2614										
P & H																					
3815	9070	70 TON W/180' BOOM 140/335 HP D/D	390,676	46.92	53.14	18.52	26.57	4.79	28.42	6.05	1115										
3820	790BTC	90 TON W/200' BOOM 160/350 HP D/D	527,633	62.22	70.39	24.95	35.77	5.31	38.27	6.72	1606										
3825	9150	150 TON W/270' BOOM 210/350 HP D/D	692,090	78.60	88.09	31.42	44.41	6.41	47.11	8.17	1805										
3830	6250TC	300 TON W/320' BOOM 364/450 HP D/D	1,468,632	161.65	180.46	66.81	94.52	10.32	100.27	13.23	3928										

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
CRANES, TOWER													
*****													
AMERICAN PECCO													
MODEL SK135-2 FREE STANDING 60 HP E													
7500# @ 132' RADIUS (L-2)													
3850	7-S16 TOWER SECTS=103 FT HIGH	288,340	42.86		14.39	20.71	3.12			740			
OPT. 14'9-1/4" S16 TOWER SECT													
3860	ADD TO BASIC CRANE FOR EA SECT	12,342	1.41		0.62	0.89	0.00			51			
3865	TOP CLIMBING OPT. ADD TO BASIC	46,225	5.27		2.31	3.32	0.00			118			
MODEL SK200 FREE STANDING 105 HP E													
10600# @ 143' RADIUS (L-2)													
3875	7-S16 TOWER SECTS=103 FT HIGH	362,973	54.88		18.12	26.07	5.46			883			
14'9-1/4" S16 TOWER SECTION													
3885	ADD TO BASIC CRANE FOR EA SECT	12,342	1.41		0.62	0.89	0.00			51			
3890	TOP CLIMBING OPT. ADD TO BASIC	46,225	5.27		2.31	3.32	0.00			118			
MODEL SK400 FREE STANDING 105 HP E													
18500# @ 162' RADIUS (L-2)													
3900	6-S35 TOWER SECTS=116 FT HIGH	443,276	64.03		22.12	31.83	5.46			1216			
OPT. 19'4-1/4" S35 TOWER SECT.													
3910	ADD TO BASIC CRANE FOR EA SECT	15,493	1.76		0.77	1.11	0.00			84			
3915	TOP CLIMBING OPT. ADD TO BASIC	47,217	5.38		2.36	3.39	0.00			223			
MODEL SK560 FREE STANDING 165 HP E													
24500# @ 170' RADIUS (L-2)													
3925	6-S213 TOWER SECTS=116 FT HIGH	512,891	76.65		25.59	36.83	8.58			1547			
OPT. 19'4-1/4" S213 TOWER SECT													
3935	ADD TO BASIC CRANE FOR EA SECT	16,455	1.87		0.82	1.18	0.00			100			
3940	TOP CLIMBING OPT. ADD TO BASIC	91,183	10.40		4.55	6.55	0.00			252			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL	
	CRANES, TOWER (CONT'D) *****								
	AMERICAN PECCO (CONT'D)								
	MODEL SN355 FREE STANDING 12300# @ 165' RADIUS (L-2) WITH LUFFING BOOM	165 HP E							
3950	6-S35 TOWER SECTS=116 FT HIGH	541,144	79.87		27.00	38.86	8.58		2152
	OPT. 19'4-1/4" S35 TOWER SECT								
3960	ADD TO BASIC CRANE FOR EA SECT	15,493	1.76		0.77	1.11	0.00		84
3965	TOP CLIMBING OPT. ADD TO BASIC	95,779	10.92		4.78	6.88	0.00		159
	DRILLS, BLAST HOLE, CRAWLER MD *****								
	GARDNER DENVER								
3980	AT3100B/PR55 3.5" HOLE 12' FEED 600CFM A	65,903	13.41		4.54	7.16	0.00		92
3985	AT3100B/PR123J 4.0" HOLE 12' FEED 750CFM A	69,697	14.13		4.80	7.57	0.00		91
3990	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	72,435	14.66		4.99	7.87	0.00		93
3995	AT3800A/PR55 ANGLE DRILL 3.5" HOLE 20' FEED	600CFM A	82,130	16.56		5.66	8.92	0.00	123
4000	ATD3800A/PR123J ANGLE DRILL 4.0" HOLE 20' FEED	750CFM A	85,946	17.31		5.93	9.35	0.00	124
4005	AT3800A/PR66 ANGLE DRILL 4.0" HOLE 20' FEED	900CFM A	88,670	17.82		6.12	9.64	0.00	125
4010	SCH3500BV HYDRAULIC DRILL 2.5" HOLE 12' FEED	223 HP D	216,841	50.78		14.95	23.57	6.08	125
4015	HYDR. RING DRILL JUMBO 5'FEED 3.5" HOLE, HPR1 DRILL & MOD1 POWER	75 HP E	161,059	39.29		11.11	17.51	4.80	144
	INGERSOLL-RAND								
4025	ECM350/VL140 3.5" HOLE 12' FEED 750CFM A	78,244	15.77		5.39	8.50	0.00		129
4030	ECM350/VL671 4.0" HOLE 12' FEED 900CFM A	85,304	17.18		5.89	9.28	0.00		131
4035	ECM 450Y 3.0" HOLE 12' FEED 100 HP D	117,679	25.91		8.11	12.79	2.73		188

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
					AVERAGE	SEVERE					
	DRILLS, BLAST HOLE, CRLR MTD (CONT'D) *****										
	SULLIVAN										
4045	MAVRICK/VCR350 2.5" HOLE 12' FEED 450CFM A	44,805	9.07		3.09	4.87	0.00			60	
4050	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	68,391	13.89		4.71	7.43	0.00			100	
4055	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	80,482	16.21		5.55	8.75	0.00			144	
4060	MUSTANG VCR280 5.0" HOLE 20' FEED1200CFM A	99,482	19.95		6.86	10.81	0.00			184	
4065	STALLION JH-6 5.5" HOLE 20' FEED 165 HP D	214,378	46.63		14.78	23.30	4.50			300	
	DRILLS, CORE, COLUMN MOUNTED *****										
	ACKER										
4080	MOD 610-E 4" DIA. MAX	1 HP E	2,011	0.68		0.14	0.22	0.06		1	
4085	MOD 930-E 9" DIA. MAX	2 HP E	2,473	0.91		0.17	0.27	0.13		2	
4090	MOD 1050-E 10" DIA. MAX	3 HP E	3,983	1.35		0.28	0.44	0.19		3	
4095	MOD 1080-E 10" DIA. MAX	11 HP E	9,096	3.75		0.63	0.99	0.70		6	
	LONGYEAR										
4105	MOD 752 DRILL W/E4-230 MOTOR	3 HP E	3,316	1.11		0.23	0.36	0.19		2	
4110	MOD 42N DRILL W/A4-350 MOTOR	165CFM A	3,550	1.07		0.24	0.38	0.00		3	
	DRILLS, CORE, SKID MOUNTED *****										
	ACKER										
4125	TEREDO MARK-II NX 1000' MAX	44 HP D	35,063	8.20		2.42	3.81	1.20		45	
4130	ACE MODEL C NX 400' MAX	20 HP D	24,298	5.33		1.68	2.64	0.55		35	
4135	BUSH MASTER NX 900' MAX	48 HP D	41,841	9.63		2.89	4.55	1.31		45	
	SPRAGUE AND HENWOOD										
4150	MOD 37-H NX 400' MAX	18 HP G	17,670	4.79		1.23	1.93	1.21		18	
4155	MOD 40-CL NX 1050' MAX	49 HP D	27,360	6.91		1.89	2.98	1.34		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 *****														
GARDNER-DENVER														
4170	MOD RDC-16B      3" TO 5 1/8"	131 HP D	164,431	27.36		8.99	13.35	3.57		310				
4175	MOD GD-25/35C      6" TO 8 3/4"	250 HP D	226,639	40.32		12.40	18.41	6.81		600				
4180	MOD GD-45C      6 3/4" TO 10 5/8"	325 HP D	357,133	60.94		19.53	29.00	8.86		775				
4185	MOD GD-100      9 7/8" TO 15"	626 HP E	716,007	115.71		34.06	48.30	35.06		2110				
4190	MOD GD-120      3 7/8" TO 17 1/2"	684 HP E	883,195	135.31		42.02	59.58	38.30		2910				
INGERSOLL-RAND														
4200	MOD DM-25 6 3/4" DRILLMASTER CRWL. MOUNTED	210 HP D	242,898	41.03		13.28	19.72	5.72		500				
4205	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	319,837	56.21		17.37	25.72	8.29		550				
4210	MOD TH-60 WATER WELL DRILL TRK. MOUNTED	435 HP D	297,587	57.78		16.19	23.99	11.86		460				
ROBBINS														
4220	RRT 35 TK MTD 6-1/4" TO 8-0" 335/225 HP D/D	327,905	59.92			17.82	26.39	10.28		600				
4225	RRT 50 TK MTD 6 3/4" TO 9" 335 HP D	477,326	79.32			25.92	38.39	9.13		860				
4230	RRT 60 TK MTD 6 3/4" TO 9 7/8" 350 HP D	539,944	88.42			29.34	43.47	9.54		960				
4235	RR10S ON D9H 6 3/4" TO 9" 410 HP D	392,233	68.93			21.45	31.85	11.18		1160				
4240	RR10HD ON D9H 6 3/4" TO 10 5/8" 410 HP D	455,158	77.52			24.89	36.96	11.18		1340				
4245	RR10XHD ON 41B 9 7/8" TO 12 1/4" 524 HP D	629,371	87.36			29.94	42.45	14.28		1830				
4250	RR12E CRLR MTD 9" TO 12 1/4" 725/450 HP E/E	1,158,546	211.64			55.12	78.16	73.00		2605				
FORK LIFTS *****														
CATERPILLAR														
LC = LOAD CENTER														
4270	M20 ELECT 2000# @ 24" LC	18 HP E	17,313	4.40		1.18	1.85	0.94		54				
4275	M25 ELECT 2500# @ 24" LC	18 HP E	17,410	4.42		1.19	1.86	0.94		54				
4280	MC30 ELECT 3000# @ 24" LC	18 HP E	18,456	4.60		1.25	1.96	0.94		85				

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				
FORK LIFTS (CONT'D)													
*****													
CATERPILLAR (CONT'D)													
4285	M40B ELECT 4000# @ 24" LC	32 HP E	24,641	6.73			1.68	2.63	1.66	95			
4290	M50B ELECT 5000# @ 24" LC	32 HP E	25,133	6.80			1.70	2.67	1.66	102			
4295	MC60B ELECT 6000# @ 24" LC	47 HP E	27,652	8.38			1.88	2.95	2.44	123			
4300	M70B ELECT 7000# @ 24" LC	53 HP E	34,473	10.05			2.34	3.67	2.76	134			
4305	M80B ELECT 8000# @ 24" LC	53 HP E	36,054	10.31			2.45	3.84	2.76	142			
4310	M100B ELECT 10000# @ 24" LC	53 HP E	37,565	10.57			2.57	4.03	2.76	160			
4315	V30D GAS 3000# @ 24" LC	37 HP G	17,162	5.51			1.17	1.84	2.03	37			
4320	V40C GAS 4000# @ 24" LC	48 HP G	21,655	7.08			1.46	2.29	2.63	41			
4325	V50C GAS 5000# @ 24" LC	48 HP G	22,108	7.20			1.48	2.30	2.63	45			
4330	V60E GAS 6000# @ 24" LC	63 HP G	30,588	9.66			2.07	3.24	3.45	52			
4335	V70E GAS 7000# @ 24" LC	63 HP G	30,926	9.71			2.09	3.27	3.45	56			
4340	V80E GAS 8000# @ 24" LC	63 HP G	32,162	9.93			2.18	3.41	3.45	59			
4345	V110 DIESEL 11000# @ 24" LC	66 HP D	47,269	10.11			3.20	5.01	1.45	82			
4350	V150 DIESEL 15000# @ 24" LC	70 HP D	50,850	10.84			3.45	5.40	1.54	92			
4355	V180B DIESEL 18000# @ 24" LC	125 HP D	67,375	15.32			4.52	7.06	2.75	114			
4360	V200B DIESEL 20000# @ 24" LC	125 HP D	74,608	16.57			5.01	7.84	2.75	124			
4365	V250B DIESEL 25000# @ 24" LC	125 HP D	78,398	17.24			5.27	8.25	2.75	154			
4370	V300B DIESEL 30000# @ 24" LC	125 HP D	84,553	18.37			5.66	8.85	2.75	165			
4375	R40 DIESEL 4000# @ 24" LC	68 HP D	31,071	7.35			2.09	3.27	1.50	107			
4380	R50 DIESEL 5000# @ 24" LC	68 HP D	31,730	7.46			2.14	3.34	1.50	112			
4385	R60 DIESEL 6000# @ 24" LC	68 HP D	38,069	8.56			2.57	4.02	1.50	128			
4390	R80 DIESEL 8000# @ 24" LC	68 HP D	39,542	8.89			2.63	4.10	1.50	138			
HYSTER - CHALLENGER													
4400	H30XL 3000# @ 24" LC	63 HP G	16,742	7.25			1.12	1.75	3.45	58			
4405	H60XL 6000# @ 24" LC	80 HP G	24,137	9.69			1.63	2.55	4.38	91			
4410	H110F 11000# @ 24" LC	116 HP G	47,539	16.23			3.23	5.06	6.35	163			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-	BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
FORK LIFTS (CONT'D)													
*****													
HYSTER - CHALLENGER (CONT'D)													
4415	H150H 15000# @ 24" LC	127 HP G	64,931	20.14		4.35	6.80	6.96		234			
4420	H200HS20000# @ 24" LC	PS 127 HP G	75,969	22.05		5.11	7.99	6.96		256			
4425	H250H 25000# @ 24" LC	PS 127 HP G	76,245	22.12		5.11	7.98	6.96		295			
4430	H300B 30000# @ 24" LC	PS 127 HP G	82,342	23.16		5.55	8.69	6.96		360			
4435	H460CS46000# @ 36" LC	PS 190 HP G	168,037	42.55		11.31	17.71	10.41		590			
GENERATOR SETS, ELECTRIC													
*****													
CATERPILLAR													
T = TURBOCHARGED													
TA = TURBOCHARGED AFTER COOLED													
SKID MOUNTED													
4455	MOD 3304B-T	240/480V 100 KW	148 HP D	17,270	7.59	9.55	1.41	2.31	3.26	2.58			
4460	MOD 3306B-T	240/480V 125 KW	187 HP D	22,634	9.77	12.27	1.85	3.04	4.12	3.39			
4465	MOD 3306B-TA	240/480V 150 KW	220 HP D	24,408	11.03	13.89	1.99	3.27	4.85	3.65			
4470	MOD 3406B-T	240/480V 200 KW	290 HP D	26,204	13.31	16.86	2.14	3.51	6.39	3.93			
4475	MOD 3406B-TA	240/480V 250 KW	370 HP D	29,983	16.28	20.67	2.45	4.02	8.15	4.49			
4480	MOD 3408B-T	240/480V 255 KW	370 HP D	35,606	17.44	22.05	2.91	4.78	8.15	5.34			
4485	MOD 3408B-TA	240/480V 310 KW	450 HP D	39,712	20.48	25.93	3.25	5.33	9.92	5.95			
4490	MOD 3412-T	240/480V 355 KW	500 HP D	48,010	23.55	29.76	3.93	6.45	11.02	7.19			
4495	MOD 3412-TA	240/480V 455 KW	650 HP D	65,174	31.19	39.36	5.33	8.75	14.33	9.76			
4500	MOD 3508	240/480V 600 KW	845 HP D	86,874	40.98	51.69	7.10	11.66	18.62	13.01			
4505	MOD 3512	240/480V 900 KW	1250 HP D	118,175	58.49	73.95	9.65	15.86	27.55	17.70			
4510	MOD 3516	480V 1100 KW	1450 HP D	155,350	71.62	90.26	12.69	20.85	31.96	23.27			
KOHLER													
4520	2.25MBM25	PORTABLE 2.25 KW	5 HP G	851	0.51	0.66	0.07	0.11	0.27	0.13			
4525	3.5MM65	PORTABLE 3.50 KW	8 HP G	1,341	0.83	1.04	0.11	0.18	0.44	0.20			
4530	5MM65	PORTABLE 5.00 KW	12 HP G	1,740	1.17	1.50	0.14	0.23	0.66	0.26			
										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					
<b>GENERATOR SETS, ELECTRIC (CONT'D)</b> *****														
ONAN														
SKID MOUNTED														
4545	120/240V 2.5 KW	6 HP G	1,536	0.72	0.91	0.12	0.20	0.33	0.23	0.43				
4550	120/240V 6.5 KW	14 HP G	3,457	1.66	2.09	0.28	0.46	0.77	0.52	1.00				
4555	120/240V 10.0 KW	20 HP G	3,779	2.14	2.69	0.31	0.51	1.10	0.56	1.43				
4560	120/240V 3.0 KW	6 HP D	4,002	0.99	1.19	0.33	0.54	0.13	0.60	0.17				
4565	120/240V 6.0 KW	12 HP D	5,311	1.41	1.74	0.43	0.71	0.26	0.80	0.35				
4570	120/240V 12.0 KW	22 HP D	7,645	2.17	2.67	0.62	1.02	0.48	1.15	0.64				
4575	120/240V 15 KW	27 HP D	7,849	2.35	2.89	0.64	1.05	0.60	1.17	0.78				
4580	120/240V 30 KW	63 HP D	11,639	4.11	5.13	0.95	1.56	1.39	1.75	1.83				
4585	120/240V 45 KW	87 HP D	15,391	5.55	6.91	1.26	2.07	1.92	2.31	2.52				
4590	120/240V 60 KW	102 HP D	17,683	6.43	8.00	1.44	2.37	2.25	2.64	2.96				
4595	120/240V 75 KW	162 HP D	21,040	8.76	10.99	1.72	2.82	3.57	3.15	4.70				
4600	120/240V 90 KW	162 HP D	22,042	8.97	11.24	1.80	2.96	3.57	3.30	4.70				
4605	120/240V 125 KW	210 HP D	25,535	10.99	13.82	2.08	3.42	4.63	3.83	6.09				
4610	120/240V 150 KW	276 HP D	30,270	13.77	17.35	2.47	4.06	6.08	4.54	8.00				
OVERLOW														
4620	KP2250R PORTABLE	2.25 KW	5 HP G	954	0.54	0.68	0.08	0.13	0.27	0.14				
4625	KP3000R PORTABLE	3.00 KW	7 HP G	1,041	0.68	0.88	0.09	0.14	0.38	0.16				
4630	KP3750BIC PORTABLE	3.75 KW	8 HP G	1,461	0.84	1.07	0.12	0.19	0.44	0.22				
4635	KP5000BIC PORTABLE	5.00 KW	10 HP G	1,846	1.05	1.33	0.15	0.24	0.55	0.27				
4640	KP6500BICB PORTABLE	6.50 KW	16 HP G	1,939	1.49	1.89	0.16	0.26	0.88	0.29				
4645	KP7500BICB PORTABLE	7.50 KW	16 HP G	1,836	1.46	1.86	0.15	0.24	0.88	0.27				

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					
GRADERS, MOTOR														
*****														
CATERPILLAR														
4660	MOD 120-G	POWER SHIFT ARTIC	125 HP D	106,379	18.48	23.06	6.33	9.48	2.54	10.79	3.33	272		
4665	MOD 130-G	POWER SHIFT ARTIC	135 HP D	121,102	20.80	25.95	7.22	10.81	2.74	12.31	3.60	293		
4670	MOD 12-G	POWER SHIFT ARTIC	135 HP D	132,459	22.41	27.93	7.90	11.83	2.74	13.46	3.60	316		
4675	MOD 140-G	POWER SHIFT ARTIC	150 HP D	133,349	23.00	28.70	7.94	11.88	3.04	13.52	4.00	318		
4680	MOD 14-G	POWER SHIFT ARTIC	180 HP D	188,948	31.93	39.85	11.16	16.66	3.65	18.95	4.80	441		
4685	MOD 16-G	POWER SHIFT ARTIC	250 HP D	274,244	46.14	57.55	16.17	24.14	5.07	27.44	6.67	584		
CHAMPION														
4695	MOD 710A	ARTICULATED	135 HP D	104,923	18.60	23.25	6.23	9.31	2.74	10.59	3.60	286		
4700	MOD 720A	ARTICULATED	152 HP D	125,270	21.95	27.43	7.44	11.13	3.09	12.66	4.06	335		
4705	MOD 730A	ARTICULATED	180 HP D	128,978	23.22	29.05	7.67	11.47	3.65	13.04	4.80	340		
4710	MOD 740A	ARTICULATED	210 HP D	141,605	25.79	32.29	8.42	12.60	4.26	14.35	5.60	345		
4715	MOD 710	NON-ARTICULATED	135 HP D	98,702	17.74	22.19	5.85	8.75	2.74	9.96	3.60	280		
4720	MOD 720	NON-ARTICULATED	152 HP D	109,155	19.70	24.66	6.46	9.66	3.09	10.99	4.06	315		
4725	MOD 730	NON-ARTICULATED	180 HP D	117,889	21.67	27.16	7.00	10.46	3.65	11.90	4.80	330		
4730	MOD 740	NON-ARTICULATED	210 HP D	133,551	24.67	30.90	7.93	11.87	4.26	13.51	5.60	345		
4735	MOD 760	NON-ARTICULATED	210 HP D	152,623	27.69	34.69	8.97	13.37	4.26	15.20	5.60	390		
FIAT-ALLIS														
4745	MOD-65B	DIRECT DRIVE	68 HP D	58,618	10.16	12.68	3.49	5.22	1.38	5.94	1.81	135		
4750	MOD-FG75	POWER SHIFT	130 HP D	91,583	16.58	20.75	5.43	8.12	2.64	9.24	3.47	300		
4755	MOD-FG85	POWER SHIFT	145 HP D	98,497	18.00	22.55	5.84	8.72	2.94	9.92	3.87	310		
4760	MOD-FG95	POWER SHIFT	160 HP D	105,399	19.51	24.47	6.20	9.24	3.25	10.51	4.27	330		
GALION/DRESSER														
4770	MOD 400E	POWER SHIFT	125 HP D	104,348	18.19	22.72	6.21	9.29	2.54	10.58	3.33	286		
4775	MOD 450E	POWER SHIFT	145 HP D	113,135	19.96	24.95	6.74	10.09	2.94	11.48	3.87	306		
4780	MOD A-500	POWER SHIFT	145 HP D	119,423	20.86	26.06	7.11	10.64	2.94	12.11	3.87	318		

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				
GRADERS, MOTOR (CONT'D)													
*****													
GALION/DRESSER (CONT'D)													
4785	MOD A-550	POWER SHIFT	175 HP D	133,602	23.72	29.64	7.96	11.91	3.55	13.55	4.67	327	
4790	MOD A-600	POWER SHIFT	197 HP D	138,573	25.00	31.28	8.25	12.35	4.00	14.06	5.26	336	
4795	MOD A-606	POWER SHIFT	197 HP D	155,034	27.32	34.15	9.24	13.83	4.00	15.74	5.26	342	
JOHN DEERE													
4805	MOD 570A	POWER SHIFT	85 HP D	85,716	14.52	18.10	5.08	7.60	1.73	8.65	2.27	205	
4810	MOD 670A	POWER SHIFT	125 HP D	105,743	18.39	22.95	6.29	9.42	2.54	10.72	3.33	275	
4815	MOD 672A	POWER SHIFT	125 HP D	124,779	21.10	26.30	7.42	11.11	2.54	12.65	3.33	286	
4820	MOD 770A	POWER SHIFT	150 HP D	120,922	21.25	26.54	7.20	10.77	3.04	12.25	4.00	310	
4825	MOD 772A	POWER SHIFT	150 HP D	140,315	23.95	29.86	8.37	12.53	3.04	14.25	4.00	320	
KOMATSU													
4835	GD 505A-2	ARTIC	130 HP D	100,312	17.83	22.28	5.95	8.89	2.64	10.11	3.47	275	
4840	GD 605A-2	ARTIC	145 HP D	119,462	20.94	26.18	7.09	10.60	2.94	12.06	3.87	336	
4845	GD 705A-4	ARTIC	200 HP D	164,691	29.10	36.41	9.69	14.46	4.06	16.45	5.34	425	
4850	GD 825A-1	ARTIC	280 HP D	263,591	45.46	56.80	15.53	23.17	5.68	26.35	7.47	578	
TROJAN													
4860	MOD F105	POWER SHIFT	112 HP D	99,711	17.28	21.62	5.90	8.81	2.27	10.03	2.99	205	
4865	MOD F155	POWER SHIFT	152 HP D	115,544	20.63	25.80	6.85	10.23	3.09	11.63	4.06	317	
4870	MOD F155A	POWER SHIFT	170 HP D	127,324	22.75	28.45	7.56	11.30	3.45	12.84	4.54	324	
HOISTS													
*****													
AIR TUGGERS													
BEEBE													
4885	2000P110-24	1.0 T 225 CFM RQD		6,089	1.22		0.42	0.66	0.00		5		
4890	5000P120-24	2.5 T 500 CFM RQD		9,761	1.98		0.68	1.06	0.00		16		
4895	10000P 50-24	5.0 T 500 CFM RQD		11,813	2.47		0.82	1.28	0.00		22		
4900	20000P 50-40	10.0 T 850 CFM RQD		30,587	6.02		2.10	3.31	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.	OWNER-SHIP	FUEL				
HOISTS (CONT'D)												
*****												
SKAGIT												
4910	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	73,664	16.25			5.07	7.98	2.20			
4915	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	99,576	21.01			6.85	10.79	2.20			
4920	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	153,277	31.70			10.55	16.61	2.87			
4925	RB-90WDOUBLE DRUM W/1-3/8" CABLE	150 HP D	170,635	35.43			11.74	18.49	3.31			
HYDRAULIC EXCAVATOR, CRAWLER MOUNTED												
*****												
T/B = TELESCOPING BOOM												
B/H = BACKHOE												
AKERMAN												
4940	MOD H7C	.92 CY B/H	145 HP D	130,314	30.91	42.01	10.03	16.02	2.94			
4945	MOD H10B	1.37 CY B/H	166 HP D	155,171	32.61	41.86	10.66	16.78	3.37			
4950	MOD H14B	1.64 CY B/H	209 HP D	184,937	39.14	50.25	12.71	20.00	4.24			
4955	MOD H16D	1.90 CY B/H	262 HP D	286,315	59.11	75.81	19.68	30.97	5.32			
4960	MOD H25C	2.55 CY B/H	326 HP D	449,915	84.20	103.95	28.29	44.07	6.62			
BADGER (HOPTO)												
4970	MOD 311	1.88 CY B/H	235 HP D	244,453	50.75	65.09	16.81	26.45	4.77			
4975	MOD 900B	2.00 CY B/H	308 HP D	295,061	61.84	79.34	20.28	31.92	6.25			
4980	MOD 1900	5.00 CY B/H	616 HP D	615,720	119.42	147.79	38.72	60.31	12.50			
CASE												
4995	MOD 880D "E" BCOM	.63 CY B/H	114 HP D	77,472	19.15	26.00	5.96	9.52	2.31			
5000	MOD 1080	.75 CY B/H	153 HP D	100,075	24.91	33.79	7.70	12.30	3.11			
5005	MOD 1280B	1.00 CY B/H	198 HP D	126,637	28.14	36.16	8.71	13.70	4.02			
CATERPILLAR												
5015	MOD 205 LC	.50 CY B/H	71 HP D	67,604	15.92	21.63	5.20	8.31	1.44			
5020	MOD 211	.68 CY B/H	94 HP D	84,835	20.12	27.33	6.53	10.43	1.91			
5025	MOD 213	.86 CY B/H	102 HP D	97,160	22.88	31.08	7.47	11.94	2.07			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES				ADJUSTABLE ELEMENTS				OMT
			AVERAGE	SEVERE	STAND-BY	AVERAGE COND.	OWNER-SHIP	FUEL	SEVERE COND.	OWNER-SHIP	
<b>HYDRAULIC EXCAVATOR, CRLR MTD (CONT'D)</b> *****											
	T/B = TELESCOPING BOOM B/H = BACKHOE										
<b>CATERPILLAR (CONT'D)</b>											
5030	MOD 215B LC	1.00 CY B/H 105 HP D	120,126	27.68	3 .66	9.24	14.76	2.13	18.59	2.80	400
5035	MOD 225	1.25 CY B/H 135 HP D	162,313	33.18	42.54	11.16	17.56	2.74	20.88	3.60	504
5040	MOD 235B	1.875 CY B/H 215 HP D	306,236	61.63	79.00	21.05	33.13	4.36	39.39	5.74	915
5045	MOD 245	3.00 CY B/H 325 HP D	459,864	85.86	106.00	28.92	45.05	6.60	51.74	8.67	1395
<b>FIAT-ALLIS</b>											
5055	MOD FE18	.74 CY B/H 86 HP D	108,829	24.82	33.78	8.37	13.37	1.75	16.84	2.29	372
5060	MOD FE20	.90 CY B/H 105 HP D	122,909	28.27	38.45	9.46	15.11	2.13	19.02	2.80	452
5065	MOD FE28	1.33 CY B/H 152 HP D	165,550	34.20	43.86	11.38	17.91	3.09	21.30	4.06	585
5070	MOD FE40L	2.10 CY B/H 243 HP D	258,855	53.59	68.74	17.79	28.00	4.93	33.30	6.48	984
<b>GRADALL</b>											
5080	MOD G-660C	.88 CY T/B 145 HP D	170,914	39.27	53.44	13.15	21.01	2.94	26.45	3.87	452
5085	MOD G-880C	1.00 CY T/B 145 HP D	203,455	45.98	62.59	15.65	25.01	2.94	31.48	3.87	536
5090	MOD G-1000	1.25 CY T/B 272 HP D	275,252	57.32	73.52	18.92	29.78	5.52	35.40	7.26	787
<b>HITACHI</b>											
5100	MOD UH 083	1.13 CY B/H 115 HP D	115,963	24.16	30.99	7.98	12.55	2.33	14.92	3.07	408
5105	MOD UH 123	1.50 CY B/H 157 HP D	181,296	37.22	47.72	12.46	19.61	3.19	23.32	4.19	573
5110	MOD UH 181	2.38 CY B/H 270 HP D	279,177	57.98	74.38	19.18	30.19	5.48	35.91	7.20	904
5115	MOD UH 261	3.38 CY B/H 476 HP D	403,758	80.10	99.26	25.39	39.55	9.66	45.42	12.70	1320
5120	MOD UH 501	5.25 CY B/H 540 HP D	544,849	101.96	122.99	31.33	47.71	10.96	53.37	14.41	1980
5125	MOD UH 801	8.38 CY B/H 800 HP D	962,266	176.20	212.11	55.33	84.25	16.24	94.25	21.34	3460
<b>INSLEY</b>											
5135	MOD H600C	.75 CY B/H 135 HP D	107,431	25.92	35.20	8.27	13.21	2.74	16.62	3.60	385
5140	MOD H800C	1.00 CY B/H 160 HP D	129,225	31.10	42.25	9.94	15.88	3.25	19.99	4.27	440
5145	MOD H1000C	1.25 CY B/H 180 HP D	152,102	32.39	41.57	10.45	16.45	3.65	19.56	4.80	517

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				
<b>HYDRAULIC EXCAVATOR, CCLR MTD (CONT'D)</b>													
***** T/B = TELESCOPING BOOM B/H = BACKHOE													
INSLEY (CONT'D)													
5150	MOD H1500C	1.75 CY B/H 255 HP D	235,353	49.56	63.58	16.18	25.46	5.18	30.27	6.80	783		
5155	MOD H2500C	2.25 CY B/H 290 HP D	275,436	57.79	74.15	18.93	29.79	5.89	35.43	7.74	955		
5160	MOD H3500C	3.50 CY B/H 400 HP D	386,547	75.31	93.23	24.31	37.86	8.12	43.49	10.67	1300		
JOHN DEERE													
5170	MOD 490	.50 CY B/H 75 HP D	76,776	17.91	24.36	5.90	9.43	1.52	11.88	2.00	265		
5175	MOD 690 C	.875 CY B/H 125 HP D	108,783	25.91	35.22	8.37	13.37	2.54	16.84	3.33	400		
5180	MOD 790	1.00 CY B/H 155 HP D	140,706	33.34	45.30	10.83	17.30	3.15	21.77	4.14	510		
5185	MOD 792	1.50 CY B/H 180 HP D	172,741	36.20	46.43	11.88	18.69	3.65	22.21	4.80	644		
5190	MOD 990	2.125 CY B/H 260 HP D	262,909	54.76	70.24	18.07	28.44	5.28	33.82	6.94	912		
KOEHRING													
5200	MOD 6605	.20 CY B/H 46 HP D	42,723	10.08	13.72	3.29	5.25	0.93	6.61	1.23	118		
5205	MOD 6608	.34 CY B/H 64 HP D	54,188	12.96	17.61	4.18	6.67	1.30	8.39	1.71	163		
5210	MOD 6611	.52 CY B/H 74 HP D	73,620	17.24	23.43	5.67	9.05	1.50	11.39	1.97	246		
5215	MOD 6614	.85 CY B/H 93 HP D	92,433	21.66	29.43	7.12	11.37	1.89	14.30	2.48	310		
5220	MOD 6620	1.18 CY B/H 122 HP D	121,778	25.41	32.57	8.38	13.18	2.48	15.66	3.25	432		
5225	MOD 6625	1.46 CY B/H 162 HP D	159,411	33.31	42.71	10.96	17.25	3.29	20.50	4.32	560		
5230	MOD 6644	2.00 CY B/H 257 HP D	279,920	57.81	74.14	19.24	30.28	5.22	36.00	6.86	920		
5235	MOD 866E	3.25 CY B/H 332 HP D	463,408	86.62	106.96	29.14	45.39	6.74	52.13	8.86	1306		
5240	MOD 1066E	4.00 CY B/H 420 HP D	575,904	107.84	133.16	36.21	56.40	8.53	64.78	11.21	1640		
5245	MOD 1166E	5.00 CY B/H 464 HP D	641,490	120.02	148.19	40.34	62.83	9.42	72.16	12.38	1890		
5250	MOD 1266	5.50 CY B/H 664 HP D	933,596	168.13	202.09	53.68	81.74	13.48	91.44	17.72	2600		
5255	MOD 1466	9.00 CY B/H 832 HP D	1,090,015	197.72	237.82	62.67	95.43	16.89	106.76	22.20	2900		

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	FUEL			
	HYDRAULIC EXCAVATOR, CLR MFD (CONT'D)												
	*****												
	T/B = TELESCOPING BOOM												
	B/H = BACKHOE												
	KOMATSU												
5265	MOD PC 120-3	.65 CY	B/H	82 HP D	88,267	20.48	27.86	6.79	10.85	1.66	13.66	2.19	256
5270	MOD PC 150-3	.82 CY	B/H	99 HP D	104,801	24.36	33.13	8.06	12.88	2.01	16.22	2.64	312
5275	MOD PC 200 LC-3	1.05 CY	B/H	118 HP D	137,594	28.23	36.18	9.46	14.89	2.40	17.70	3.15	423
5280	MOD PC 220 LC-3	1.31 CY	B/H	148 HP D	175,107	35.85	45.97	12.04	18.94	3.00	22.52	3.95	512
5285	MOD PC 300 LC-3	1.70 CY	B/H	197 HP D	211,907	43.82	56.21	14.56	22.92	4.00	27.26	5.26	679
5290	MOD PC 650-1	3.60 CY	B/H	404 HP D	509,686	96.23	118.90	32.05	49.92	8.20	57.34	10.78	1433
	UNIT												
5300	MOD H202CT SER II	1.25 CY	B/H	152 HP D	155,701	32.38	41.53	10.70	16.84	3.09	20.02	4.06	475
5305	MOD H342	1.63 CY	B/H	228 HP D	252,007	51.97	66.64	17.32	27.26	4.63	32.41	6.08	723
5310	MOD H471	1.75 CY	B/H	304 HP D	312,667	64.98	83.35	21.49	33.82	6.17	40.21	8.11	972
	HYDRAULIC EXCAVATOR, TRUCK MOUNTED												
	*****												
	(HP & FUEL LISTED EQUIP/CARRIER)												
	T/B = TELESCOPING BOOM												
	B/H = BACKHOE												
	CATERPILLAR												
5325	MOD 206	.59 CY	B/H	71 HP D	78,266	11.47	13.60	4.25	6.35	1.56	7.02	2.06	283
5330	MOD 212	.77 CY	B/H	94 HP D	97,721	14.42	17.09	5.33	7.98	2.07	8.82	2.73	330
5335	MOD 214	.95 CY	B/H	102 HP D	109,496	16.01	18.95	5.98	8.96	2.25	9.90	2.96	366
5340	MOD 224	1.18 CY	B/H	124 HP D	139,482	18.51	21.51	6.95	10.13	2.73	10.96	3.60	443
	GRADALL												
5350	MOD G-3R	.50 CY	T/B	125 HP D	131,782	19.15	22.69	7.24	10.87	2.75	12.03	3.62	360
5355	MOD G-3W	.50 CY	T/B	125/205 HP D/D	142,851	22.02	26.02	7.81	11.72	3.80	12.96	4.84	380
5360	MOD G-660C	.88 CY	T/B	145/210 HP D/G	191,398	29.13	34.67	10.50	15.77	4.94	17.46	6.47	422
5365	MOD G-880C	1.00 CY	T/B	145/210 HP D/D	232,220	33.05	38.86	12.74	19.13	4.27	21.17	5.45	535
5370	MOD G-1000	1.25 CY	T/B	272/312 HP D/D	304,372	42.37	49.24	15.18	22.16	7.59	23.97	9.74	726

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					
<b>1 LAND CLEARING EQUIPMENT</b> *****														
(ADD TO LOADER/TRACTOR) (INCLUDES HYDRAULICS)														
BALDERSO/FLECO														
5385	MOD BH5 30 HYDR. TREE SHEAR FOR 953 LOADER	16,852	3.55	4.44	1.16	1.81	0.00	2.15	0.00	32				
5390	MOD BMA8 MULTIAPPLICATION RAKE FOR D8L TRACTOR	20,351	4.10	5.17	1.39	2.18	0.00	2.59	0.00	83				
5395	MOD BTX973 CLAMP RAKE FOR 973 LOADER	22,820	4.57	5.77	1.56	2.45	0.00	2.91	0.00	63				
5400	MOD BBL7 BLADE RAKE FOR D7G TRACTOR	10,964	2.29	2.88	0.75	1.17	0.00	1.40	0.00	37				
5405	MOD BRK8 ROCK & ROOT RAKE FOR D8L TRACTOR	18,802	3.81	4.81	1.28	2.01	0.00	2.40	0.00	80				
5410	MOD VT8 V-TREE CUTTER FOR D8L TRACTOR	29,716	5.96	7.52	2.04	3.19	0.00	3.79	0.00	140				
5415	LOGGING FORK FOR 988 LOADER	23,460	4.89	6.12	1.61	2.52	0.00	2.99	0.00	70				
5420	HEAVY DUTY CLEARING RAKE FOR D8L	18,411	3.74	4.72	1.26	1.97	0.00	2.35	0.00	71				
<b>LAWNMOWERS</b> *****														
EXCEL														
5435	HUSTLER 275-60"	23 HP G	8,679	5.25		1.19	2.08	1.55		21				
5440	HUSTLER 295-60"	25 HP G	10,084	5.94		1.37	2.41	1.68		24				
5445	HUSTLER 305D-60"	32 HP D	11,267	5.39		1.54	2.70	0.87		25				
5450	HUSTLER 320-72"	22 HP D	10,221	4.66		1.40	2.45	0.60		24				
5455	HUSTLER 340-72"	28 HP D	10,997	5.15		1.50	2.63	0.76		24				
5460	HUSTLER 400-72"	44 HP G	9,998	7.50		1.36	2.39	2.96		24				
<b>TORO</b>														
5470	MOD 20624 21" REAR BAGGER-PUSH	4 HP G	660	0.58		0.09	0.16	0.27		1				
5475	MOD 725 21" REAR BAG-ENG.RIDER	7 HP G	1,222	1.04		0.15	0.26	0.47		3				
5480	MOD1132 32" RIDER	11 HP G	1,630	1.54		0.21	0.36	0.74		4				
5485	MOD1142 42" LAWN TRACTOR	11 HP G	2,484	1.87		0.33	0.57	0.74		5				

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				
<b>LAWNMOWERS (CONT'D)</b> *****												
<b>TORO (CONT'D)</b>												
5490	MOD 117 52" GROUNMASTER	17 HP G	6,621	3.94	0.90	1.58	1.14		9			
5495	MOD 217D 62" GROUNMASTER	17 HP D	10,853	4.73	1.48	2.60	0.46		13			
5500	MOD 220 62" GROUNMASTER	20 HP G	9,306	5.23	1.27	2.23	1.34		11			
5505	MOD 327 72" GROUNMASTER	27 HP G	12,656	7.11	1.73	3.04	1.82		17			
5510	MOD 322D 72" GROUNMASTER	22 HP D	13,429	5.89	1.84	3.23	0.60		14			
<b>LIGHTING SETS, TRAILER MOUNTED</b> *****												
<b>ALLMAND METALLIC VAPOR</b>												
5525	MAXI-LITE III 4/1000W	15 HP D	14,259	4.77	1.08	1.71	0.43		29			
<b>AMIDA METALLIC VAPOR</b>												
5535	MOD 5000 3.0KW 2/1000W W/GEN.	6 HP G	10,329	3.60	0.78	1.23	0.43		2			
5540	MOD 5000 4.0KW 2/1000W W/GEN.	10 HP D	8,954	3.01	0.67	1.06	0.29		2			
5545	MOD 5000 6.5KW 4/1000W W/GEN.	14 HP G	11,202	4.57	0.85	1.34	1.00		3			
5550	MOD 5000 8.0KW 4/1000W W/GEN.	15 HP D	12,893	4.36	0.97	1.54	0.43		3			
<b>OVER-LOWE METALLIC VAPOR</b>												
5560	TM 352 2/1000W 3 KW	6 HP D	11,294	3.57	0.85	1.35	0.17		17			
5565	TM 354 4/1000W 6 KW	12 HP D	14,926	4.87	1.13	1.79	0.35		22			
5570	TM 356 6/1000W 8 KW	15 HP D	17,567	5.76	1.33	2.12	0.43		24			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
			AVERAGE	SEVERE							
	LOADERS, BELT *****										
	KOLMAN										
5585	101XHD 24"X50' 355 T/HR 28 HP D	33,868	7.98	10.49	2.25	3.50	0.62	4.16	0.81	116	
	OPTIONAL EQUIPMENT SELECT AS NEEDED										
5595	PLATE FEEDER DOZER TRAP MODEL 45	7,342	1.41	1.81	0.50	0.79	0.00	0.95	0.00	37	
5600	BELT FEEDER DOZER TRAP MODEL 3 HP D	9,837	1.99	2.53	0.68	1.07	0.07	1.26	0.09	36	
5605	WING WALLS STATIONARY	1,429	0.27	0.35	0.10	0.15	0.00	0.18	0.00	9	
5610	TUNNEL EXTENSION W/BACKBOARDS	7,207	1.39	1.78	0.50	0.78	0.00	0.93	0.00	61	
5615	SINGLE DECK SCREEN SB-70 7'X42	4,207	0.81	1.04	0.29	0.45	0.00	0.55	0.00	19	
5620	DOUBLE DECK SCREEN DC-70-42 7'X42	6,262	1.21	1.55	0.43	0.68	0.00	0.81	0.00	27	
5625	TRIPLE DECK SCREEN TC-70-42 7'X42	9,056	1.75	2.23	0.62	0.98	0.00	1.17	0.00	34	
5630	XHD CONVEYOR JACKLEG	1,260	0.25	0.31	0.09	0.14	0.00	0.16	0.00	9	
5635	101XHD 30"X50' 615 T/HR 42 HP D	37,562	9.25	12.19	2.49	3.88	0.93	4.60	1.22	135	
	OPTIONAL EQUIPMENT SELECT AS NEEDED										
5645	PLATE FEEDER DOZER TRAP MODEL 45	8,587	1.66	2.12	0.59	0.93	0.00	1.11	0.00	42	
5650	BELT FEEDER DOZER TRAP MODEL 3 HP D	10,509	2.12	2.70	0.73	1.14	0.07	1.35	0.09	40	
5655	WING WALLS STATIONARY	1,429	0.27	0.35	0.10	0.15	0.00	0.18	0.00	9	
5660	TUNNEL EXTENSION W/BACKBOARDS	7,207	1.39	1.78	0.50	0.78	0.00	0.93	0.00	61	
5665	SINGLE DECK SCREEN SB-80 8'X48	5,282	1.02	1.30	0.36	0.57	0.00	0.68	0.00	23	
5670	DOUBLE DECK SCREEN DC-80-48 8'X48	7,408	1.44	1.82	0.52	0.81	0.00	0.95	0.00	35	
5675	TRIPLE DECK SCREEN TC-80-48 8'X48	10,174	1.96	2.51	0.70	1.10	0.00	1.31	0.00	43	
5680	XHD CONVEYOR JACKLEG	1,260	0.25	0.31	0.09	0.14	0.00	0.16	0.00	9	
5685	101XHD 36"X50' 910 T/HR 56 HP D	42,644	10.89	14.39	2.81	4.36	1.23	5.17	1.62	160	
	OPTIONAL EQUIPMENT SELECT AS NEEDED										
5695	PLATE FEEDER DOZER TRAP MODEL 45	9,076	1.76	2.24	0.63	0.99	0.00	1.17	0.00	45	
5700	BELT FEEDER DOZER TRAP MODEL 5 HP D	11,352	2.33	2.97	0.78	1.23	0.11	1.46	0.14	42	
5705	WING WALLS STATIONARY	1,429	0.27	0.35	0.10	0.15	0.00	0.18	0.00	9	
5710	TUNNEL EXTENSION W/BACKBOARDS	7,207	1.39	1.78	0.50	0.78	0.00	0.93	0.00	61	
5715	SINGLE DECK SCREEN SB-90 9'X54	5,877	1.13	1.45	0.40	0.63	0.00	0.76	0.00	28	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, BELT (CONT'D)														
*****														
KOLMAN (CONT'D)														
5720	DOUBLE DECK SCREEN DC-90-54 9'X54	8,298	1.60	2.05	0.57	0.90	0.00	1.07	0.00	43				
5725	TRIPLE DECK SCREEN TC-90-54 9'X54	12,322	2.37	3.04	0.85	1.33	0.00	1.59	0.00	54				
5730	XHD CONVEYOR JACKLEG	1,260	0.25	0.31	0.09	0.14	0.00	0.16	0.00	9				
5735	101XHD 42"X50' 1260 T/HR	84 HP D	55,263	14.55	19.29	3.63	5.64	1.85	6.69	2.44	180			
OPTIONAL EQUIPMENT SELECT AS NEEDED														
5745	PLATE FEEDER DOZER TRAP MODEL 45		11,147	2.15	2.74	0.77	1.21	0.00	1.43	0.00	48			
5750	BELT FEEDER DOZER TRAP MODEL 5 HP D	14,562	2.95	3.77	1.01	1.58	0.11	1.88	0.14	45				
5755	WING WALLS STATIONARY		1,429	0.27	0.35	0.10	0.15	0.00	0.18	0.00	9			
5760	TUNNEL EXTENSION W/BACKBOARDS		7,207	1.39	1.78	0.50	0.78	0.00	0.93	0.00	61			
5765	SINGLE DECK SCREEN SB-100 60"X10'		7,647	1.47	1.89	0.52	0.82	0.00	0.99	0.00	37			
5770	DOUBLE DECK SCREEN DC-100 60"X10'		9,785	1.89	2.41	0.68	1.06	0.00	1.26	0.00	55			
5775	XHD CONVEYOR JACKLEG		1,260	0.25	0.31	0.09	0.14	0.00	0.16	0.00	9			
5780	101XHD 48"X50' 1700 T/HR	128 HP D	95,139	23.05	29.98	6.39	9.99	2.82	11.86	3.71	265			
OPTIONAL EQUIPMENT SELECT AS NEEDED														
5790	PLATE FEEDER DOZER TRAP MODEL 45		13,674	2.64	3.37	0.94	1.48	0.00	1.76	0.00	51			
5795	WING WALLS STATIONARY		1,429	0.27	0.35	0.10	0.15	0.00	0.18	0.00	9			
5800	TUNNEL EXTENSION W/BACKBOARDS		7,254	1.39	1.79	0.50	0.78	0.00	0.94	0.00	66			
5805	SINGLE DECK SCREEN SB-120 60"X12'		11,122	2.15	2.74	0.77	1.21	0.00	1.43	0.00	53			
5810	DOUBLE DECK SCREEN DC-120 60"X12'		16,329	3.15	4.02	1.13	1.77	0.00	2.10	0.00	77			
5815	TRIPLE DECK SCREEN TC-120 60"X12'		22,971	4.43	5.66	1.58	2.49	0.00	2.96	0.00	80			
5820	XHD CONVEYOR JACKLEG		1,260	0.25	0.31	0.09	0.14	0.00	0.16	0.00	9			
5825	303 48"X50' 2000 CY/HR	125 HP D	174,028	41.50	54.95	11.49	17.88	2.75	21.20	3.62	627			
5830	303 48"X60' 2000 CY/HR	185 HP D	193,538	47.04	62.15	12.82	19.97	4.08	23.69	5.36	662			
5835	303 60"X50' 3600 CY/HR	185 HP D	199,955	50.12	66.88	13.10	20.35	4.08	24.11	5.36	682			
5840	303 60"X60' 3600 CY/HR	290 HP D	230,270	60.13	80.33	15.08	23.42	6.39	27.76	8.41	737			
5845	404 48"X50' 2000 CY/HR	185 HP D	215,155	51.13	67.31	14.31	22.33	4.08	26.50	5.36	616			
5850	404 48"X60' 2000 CY/HR	185 HP D	227,339	53.57	70.48	15.15	23.64	4.08	28.04	5.36	650			

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					
<b>LOADERS, BELT (CONT'D)</b> *****														
KOLMAN (CONT'D)														
5855	404 60"x50' 3600 CY/HR	290 HP D	258,015	64.27	85.10	17.09	26.63	6.39	31.60	8.41 671				
5860	404 60"x60' 3600 CY/HR	290 HP D	285,494	70.80	93.94	18.88	29.41	6.39	34.88	8.41 724				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
5870	SINGLE DECK SCREEN SB-120 72"x12'		16,552	3.19	4.09	1.14	1.79	0.00	2.14	0.00 58				
5875	DOUBLE DECK SCREEN DC-120 72"x12'		21,782	4.20	5.36	1.50	2.36	0.00	2.80	0.00 85				
5880	TRIPLE DECK SCREEN TC-120 72"x12'		24,915	4.81	6.14	1.72	2.70	0.00	3.21	0.00 90				
5885	SINGLE DECK VIBRATING GRIZZLE 72"W		25,004	4.83	6.16	1.72	2.71	0.00	3.22	0.00 89				
<b>LOADERS, FRONT END, CRAWLER TYPE</b> *****														
CASE														
5900	455 C 1 CY	63 HP D	61,320	16.30	20.48	4.20	6.58	1.50	7.82	1.97 150				
5905	855 C 1-1/2 CY	78 HP D	67,493	18.20	22.92	4.62	7.24	1.85	8.61	2.44 216				
5910	1155 D 1-3/4 CY	110 HP D	90,988	24.71	31.11	6.22	9.76	2.62	11.60	3.45 282				
5915	1455 B 2-1/4 CY	140 HP D	106,437	29.29	36.87	7.28	11.42	3.33	13.57	4.38 360				
CATERPILLAR														
5925	931B 1 CY	65 HP D	43,274	12.19	15.34	2.97	4.65	1.55	5.52	2.04 160				
5930	931 LGP 1 CY	65 HP D	47,847	13.24	16.66	3.27	5.13	1.55	6.10	2.04 177				
5935	943 1-1/2 CY	80 HP D	80,844	21.37	26.87	5.53	8.67	1.90	10.31	2.51 257				
5940	943 LGP 1-1/2 CY	80 HP D	83,010	21.88	27.50	5.68	8.91	1.90	10.59	2.51 259				
5945	953 2 CY	110 HP D	102,083	27.30	34.32	6.99	10.96	2.62	13.01	3.45 300				
5950	953 LGP 2 CY	110 HP D	105,279	28.03	35.24	7.20	11.29	2.62	13.42	3.45 308				
5955	963 2-1/2 CY	150 HP D	134,491	36.13	45.44	9.20	14.43	3.57	17.15	4.70 399				
5960	963 LGP 2-1/2 CY	150 HP D	136,918	36.69	46.13	9.36	14.69	3.57	17.45	4.70 407				
5965	973 3-3/4 CY	210 HP D	198,536	52.94	66.57	13.58	21.30	4.99	25.31	6.58 540				
5970	973 LGP 3-3/4 CY	210 HP D	203,721	54.15	68.07	13.93	21.86	4.99	25.97	6.58 558				

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															
<b>LOADERS, F.E., CRAWLER TYPE (CONT'D)</b> *****																			
<b>FIAT-ALLIS</b>																			
5980	FL5	1 CY	63 HP D	46,705	12.91	16.24	3.20	5.02	1.50	5.95	1.97	165							
5985	FL7	1-1/4 CY	78 HP D	56,601	15.69	19.76	3.88	6.08	1.85	7.22	2.44	198							
5990	FL9	1-5/8 CY	87 HP D	66,050	18.18	22.89	4.52	7.09	2.07	8.42	2.72	252							
5995	FL10C	2 CY	122 HP D	88,256	24.47	30.82	6.04	9.47	2.90	11.25	3.82	300							
6000	FL14C	2-5/8 CY	150 HP D	117,213	32.11	40.43	8.01	12.57	3.57	14.94	4.70	410							
6005	FL20	3-1/2 CY	223 HP D	169,433	46.62	58.68	11.59	18.18	5.30	21.59	6.98	585							
<b>INTERNATIONAL</b>																			
6015	100-E	1-1/8 CY	65 HP D	51,672	14.12	17.77	3.53	5.54	1.55	6.59	2.04	161							
6020	125-E	1-3/8 CY	78 HP D	65,898	17.84	22.45	4.51	7.07	1.85	8.40	2.44	199							
6025	175-C	2 CY	130 HP D	102,981	28.15	35.44	7.04	11.05	3.09	13.13	4.07	338							
6030	250-C	2-3/4 CY	190 HP D	150,884	41.24	51.89	10.32	16.19	4.52	19.23	5.95	452							
<b>JOHN DEERE</b>																			
6040	JD350-C	3/4 CY	42 HP D	37,981	10.20	12.83	2.60	4.08	1.00	4.85	1.32	119							
6045	JD455-E	1-1/4 CY	70 HP D	49,661	13.81	17.40	3.40	5.33	1.66	6.33	2.19	172							
6050	JD555-B	1-3/8 CY	78 HP D	61,622	16.85	21.22	4.22	6.62	1.85	7.86	2.44	188							
6055	JD655-B	2 CY	120 HP D	90,850	25.01	31.49	6.22	9.75	2.85	11.58	3.76	324							
6060	JD755-B	2-1/4 CY	140 HP D	105,999	29.19	36.74	7.25	11.37	3.33	13.51	4.38	355							
6065	JD855	2-3/4 CY	200 HP D	157,482	43.10	54.23	10.77	16.90	4.76	20.07	6.26	460							
<b>KOMATSU</b>																			
6075	D31S-17	1.3 CY	66 HP D	46,314	12.90	16.28	3.16	4.96	1.57	5.91	2.07	156							
6080	D41S-3	1.6 CY	90 HP D	66,347	18.34	23.10	4.54	7.12	2.14	8.46	2.82	262							
6085	D53S-16	1.8 CY	110 HP D	85,179	23.37	29.43	5.83	9.14	2.62	10.86	3.45	300							
6090	D57S-1	2.1 CY	135 HP D	108,285	29.55	37.20	7.41	11.62	3.21	13.81	4.23	340							
6095	D66S-1	2.6 CY	160 HP D	129,205	35.23	44.32	8.84	13.87	3.80	16.47	5.01	418							
6100	D75S-3	3.3 CY	200 HP D	156,519	42.87	53.97	10.70	16.79	4.76	19.96	6.26	485							

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						
<b>LOADERS, F.E., CRAWLER TYPE (CONT'D)</b> *****															
<b>KOMATSU (CONT'D)</b>															
6105	D155S-1	5.9 CY	350 HP D	307,500	82.81	104.17	21.03	32.99	8.32	39.20	10.96	950			
<b>LOADERS, FRONT END, WHEEL TYPE</b> *****															
(ARTIC = ARTICULATED)															
<b>BOBCAT/MELROE</b>															
6120	MOD 440	6 CWT. SKID STEER	16 HP G	8,819	2.74	3.55	0.58	0.89	0.88	1.05	1.14	21			
6125	MOD 443	6 CWT. SKID STEER	15 HP D	10,573	2.35	3.03	0.70	1.07	0.33	1.27	0.43	24			
6130	MOD 540	8 CWT. SKID STEER	23 HP G	11,962	3.76	4.86	0.79	1.21	1.26	1.44	1.64	31			
6135	MOD 543	8 CWT. SKID STEER	22 HP D	13,445	3.04	3.92	0.89	1.37	0.48	1.62	0.64	33			
6140	MOD 641	10 CWT. SKID STEER	28 HP D	15,859	3.66	4.68	1.05	1.62	0.62	1.91	0.81	39			
6145	MOD 642	10 CWT. SKID STEER	32 HP G	14,621	4.88	6.28	0.97	1.49	1.75	1.76	2.28	38			
6150	MOD 742	13 CWT. SKID STEER	34 HP G	16,836	5.41	6.95	1.12	1.72	1.86	2.03	2.43	45			
6155	MOD 743	13 CWT. SKID STEER	36 HP D	18,050	4.28	5.48	1.20	1.85	0.79	2.18	1.04	46			
6160	MOD 843	17 CWT. SKID STEER	54 HP D	23,237	5.91	7.70	1.52	2.33	1.19	2.74	1.57	63			
6165	MOD 943	24 CWT. SKID STEER	69 HP D	28,866	7.37	9.58	1.89	2.90	1.52	3.43	2.00	88			
6170	MOD 974	37 CWT. SKID STEER	78 HP D	42,712	10.50	14.00	2.74	4.17	1.72	4.91	2.26	121			
6175	MOD 975	37 CWT. SKID STEER	82 HP D	43,203	10.71	14.28	2.76	4.21	1.81	4.97	2.38	122			
<b>CASE</b>															
6185	W-4	1/2 CY ARTIC	37 HP D	25,748	5.72	7.35	1.70	2.61	0.82	3.09	1.07	48			
6190	W-11 B	1 CY ARTIC	66 HP D	45,611	10.31	13.44	2.97	4.56	1.45	5.39	1.91	118			
6195	W-14	1-1/2 CY ARTIC	83 HP D	62,189	13.87	18.07	4.06	6.23	1.83	7.35	2.41	146			
6200	W-20 C	2 CY ARTIC	110 HP D	85,245	19.30	25.54	5.50	8.40	2.42	9.90	3.19	230			
6205	W-30	3 CY ARTIC	153 HP D	108,067	24.55	32.18	7.02	10.75	3.37	12.69	4.44	290			
6210	W-36	4 CY ARTIC	185 HP D	138,459	31.41	41.43	8.94	13.67	4.08	16.13	5.36	398			

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					
<b>LOADERS, F.E., WHEEL TYPE (CONT'D)</b>														
<b>***** (ARTIC = ARTICULATED)</b>														
<b>CATERPILLAR</b>														
6220	910	1-1/4 CY ARTIC	65 HP D	48,616	10.91	14.29	3.16	4.84	1.43	5.72	1.88	145		
6225	IT12 (INTEGRATED TOOL CARRIER)	65 HP D	57,759	12.47	16.23	3.77	5.78	1.43	6.83	1.88	172			
6230	916	1-1/2 CY ARTIC	85 HP D	72,318	15.66	20.31	4.73	7.27	1.87	8.59	2.46	183		
6235	IT18 (INTEGRATED TOOL CARRIER)	85 HP D	77,234	16.50	21.36	5.06	7.78	1.87	9.19	2.46	204			
6240	926	2 CY ARTIC	105 HP D	82,289	17.99	23.26	5.40	8.30	2.31	9.81	3.04	198		
6245	IT28 (INTEGRATED TOOL CARRIER)	105 HP D	87,563	18.90	24.39	5.76	8.85	2.31	10.46	3.04	231			
6250	936	2-1/2 CY ARTIC	125 HP D	103,212	22.35	28.85	6.78	10.42	2.75	12.31	3.62	261		
6255	950-B	3 CY ARTIC	155 HP D	133,406	28.96	37.67	8.71	13.37	3.42	15.79	4.49	328		
6260	966-D	4 CY ARTIC	200 HP D	181,744	39.39	51.52	11.81	18.11	4.41	21.40	5.80	441		
6265	980-C	5-1/4 CY ARTIC	270 HP D	245,284	50.16	65.57	14.83	22.81	5.95	26.13	7.83	601		
6270	988-B	7 CY ARTIC	375 HP D	357,208	71.00	92.50	21.33	32.70	8.26	37.43	10.87	898		
6275	992-C	13-1/2 CY ARTIC	690 HP D	723,157	144.30	190.72	42.64	65.11	15.21	74.47	20.01	1931		
<b>CLARK/MICHIGAN</b>														
6285	35C	1-1/2 CY	85 HP D	62,272	13.88	18.02	4.07	6.25	1.87	7.38	2.46	180		
6290	45C	2 CY	110 HP D	72,981	16.55	21.48	4.78	7.34	2.42	8.67	3.19	206		
6295	55C	2-1/2 CY ARTIC	121 HP D	85,209	19.14	24.84	5.58	8.56	2.67	10.10	3.51	262		
6300	75C	3 CY ARTIC	154 HP D	124,297	27.55	36.11	8.07	12.36	3.39	14.60	4.47	313		
6305	125C	4 CY ARTIC	203 HP D	166,578	37.19	49.08	10.75	16.45	4.47	19.42	5.89	437		
6310	175C	5 CY ARTIC	279 HP D	226,689	47.54	62.47	13.66	20.99	6.15	24.05	8.09	565		
6315	275C	7 CY ARTIC	360 HP D	333,173	65.71	84.72	20.07	30.85	7.93	35.33	10.44	864		
6320	475C	12 CY ARTIC	612 HP D	624,362	123.70	162.05	37.10	56.79	13.49	65.00	17.75	1689		
<b>FIAT-ALLIS</b>														
6330	FR-07	1-1/3 CY ARTIC	70 HP D	47,831	10.90	14.24	3.11	4.77	1.54	5.63	2.03	145		
6335	345-B	1-1/2 CY ARTIC	80 HP D	55,528	12.52	16.29	3.62	5.56	1.76	6.57	2.32	151		
6340	FR-10	2-1/4 CY ARTIC	110 HP D	70,564	16.04	20.75	4.63	7.12	2.42	8.42	3.19	212		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				OWT									
			CONDITION		STAND-BY	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
<b>LOADERS, F.E., WHEEL TYPE (CONT'D)</b> ***** <b>(ARTIC = ARTICULATED)</b>																			
<b>FIAT-ALLIS (CONT'D)</b>																			
6345	FR-12	2-1/2 CY ARTIC	127 HP D	77,556	18.01	23.48	5.06	7.76	2.80	9.18	3.68	230							
6350	FR-15	3 CY ARTIC	164 HP D	109,710	25.45	33.57	7.09	10.84	3.61	12.78	4.76	296							
6355	FR-20	4-1/2 CY ARTIC	223 HP D	168,442	38.12	50.30	10.88	16.64	4.91	19.64	6.47	445							
6360	FR-30	5-1/4 CY ARTIC	275 HP D	222,317	46.76	61.49	13.39	20.57	6.06	23.55	7.97	605							
6365	FR-35	7 CY ARTIC	350 HP D	272,071	55.98	73.03	16.23	24.87	7.71	28.47	10.15	755							
<b>FORD</b>																			
6375	340B	16 CF	48 HP D	22,291	5.63	7.42	1.44	2.20	1.06	2.59	1.39	66							
6380	445A	3/4 CY	48 HP D	25,945	6.25	8.19	1.68	2.57	1.06	3.03	1.39	73							
6385	545A	3/4 CY	60 HP D	29,277	7.21	9.40	1.91	2.92	1.32	3.44	1.74	75							
6390	555B	1 CY	63 HP D	64,562	13.47	17.36	4.24	6.52	1.39	7.69	1.83	173							
<b>INTERNATIONAL/DRESSER</b>																			
6400	510B	1-3/8 CY	80 HP D	55,377	12.54	16.35	3.61	5.54	1.76	6.54	2.32	140							
6405	515B	1-5/8 CY	100 HP D	68,129	15.41	20.03	4.46	6.84	2.20	8.07	2.90	167							
6410	520B	2-1/4 CY ARTIC	120 HP D	79,309	18.09	23.56	5.18	7.95	2.64	9.39	3.48	232							
6415	530	2-3/4 CY ARTIC	155 HP D	115,482	25.88	33.85	7.51	11.51	3.42	13.60	4.49	291							
6420	540	3-3/4 CY ARTIC	189 HP D	160,357	35.58	46.92	10.36	15.85	4.17	18.69	5.48	360							
6425	550	5-1/4 CY ARTIC	209 HP D	225,894	49.41	66.21	14.40	21.95	4.61	25.89	6.06	544							
6430	560B	7-1/2 CY ARTIC	415 HP D	332,767	67.23	86.72	20.05	30.81	9.15	35.29	12.03	830							
6435	570	12 CY ARTIC	590 HP D	621,067	120.55	155.79	37.33	57.34	13.00	65.67	17.11	1350							
<b>JOHN DEERE</b>																			
6445	300B	3/4 CY	43 HP D	23,667	5.63	7.31	1.54	2.36	0.95	2.78	1.25	69							
6450	444C	1-1/2 CY	85 HP D	63,534	14.10	18.30	4.16	6.38	1.87	7.54	2.46	179							
6455	544C	2 CY ARTIC	105 HP D	77,020	16.99	21.92	5.07	7.79	2.31	9.21	3.04	197							
6460	644C	3 CY ARTIC	145 HP D	110,884	24.66	32.18	7.22	11.08	3.20	13.09	4.20	260							
6465	844	4-1/2 CY ARTIC	260 HP D	204,719	43.61	57.68	12.28	18.85	5.73	21.58	7.54	490							

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				
<b>LOADERS, F.E., WHEEL TYPE (CONT'D)</b>													
***** (ARTIC = ARTICULATED)													
KAWASAKI													
6475	KSS-65Z	2.2 CY	104 HP D	67,038	15.48	20.29	4.35	6.67	2.29	7.89	3.02		
6480	KSS-70	3.0 CY	158 HP D	94,164	22.33	29.42	6.09	9.32	3.48	10.99	4.58		
6485	KSS-80ZII	3.5 CY	165 HP D	100,856	23.77	31.27	6.53	9.99	3.64	11.79	4.78		
6490	KSS-85ZII	4.0 CY	217 HP D	136,277	32.12	42.51	8.77	13.41	4.78	15.84	6.29		
6495	KSS-95ZII	5.5 CY	305 HP D	188,627	41.98	55.46	11.32	17.38	6.72	19.91	8.84		
6500	KSS-110Z	7.5 CY	383 HP D	296,660	61.88	81.61	17.53	26.78	8.44	30.64	11.11		
MASSEY FERGUSON													
6510	MF 30E	3/4 CY	48 HP D	27,593	6.40	8.24	1.82	2.79	1.06	3.30	1.39		
6515	MF 50E	3/4 CY	65 HP D	30,047	7.39	9.58	1.96	3.01	1.43	3.56	1.88		
6520	MF 50HX	1 CY	72 HP D	33,353	8.42	11.09	2.15	3.28	1.59	3.87	2.09		
TEREX (GM)													
6530	33C	2 CY	103 HP D	66,682	15.39	20.16	4.33	6.64	2.27	7.84	2.99		
6535	44D	2-1/2 CY	123 HP D	78,034	17.98	23.41	5.10	7.82	2.71	9.23	3.57		
6540	55C	3-1/4 CY	144 HP D	108,166	24.35	31.95	7.01	10.74	3.17	12.67	4.18		
6545	60C	3-1/2 CY	168 HP D	115,963	26.45	34.62	7.54	11.55	3.70	13.64	4.87		
6550	66C	4 CY	210 HP D	149,645	34.15	44.98	9.68	14.81	4.63	17.48	6.09		
6555	70C	4-1/2 CY	247 HP D	168,001	35.13	45.09	10.28	15.87	5.44	18.20	7.16		
6560	80C	5-1/2 CY	307 HP D	226,619	48.34	63.50	13.66	20.99	6.77	24.03	8.90		
6565	90C	7-1/2 CY	460 HP D	339,146	70.65	92.37	20.19	30.93	10.14	35.41	13.34		
TROJAN													
6575	1500Z	1-3/4 CY ARTIC	93 HP D	60,808	14.07	18.50	3.94	6.03	2.05	7.13	2.70		
6580	1900Z	2-1/2 CY ARTIC	119 HP G	76,953	22.54	29.32	5.02	7.70	6.52	9.10	8.49		
6585	2000Z	3 CY ARTIC	160 HP D	102,694	23.86	31.33	6.66	10.20	3.53	12.04	4.64		
6590	3500Z	3-3/4 CY ARTIC	185 HP D	119,197	28.51	38.22	7.59	11.56	4.08	13.62	5.36		
6595	5500	5-1/2 CY ARTIC	285 HP D	224,041	47.59	62.84	13.45	20.65	6.28	23.65	8.26		

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				
<b>LOADERS, F.E., WHEEL TYPE (CONT'D)</b>													
***** (ARTIC = ARTICULATED)													
TROJAN (CONT'D)													
6600	7500 7 CY ARTIC 400 HP D	295,436	61.04	79.27	17.71	27.17	8.82	31.11	11.60	846			
***** LOADER/BACKHOE, WHEEL TYPE TRACTOR													
CASE													
6615	480D LDR/BHOE 7/8 CY FE BUCKET 47 HP D 24" B/H DIPPER	37,538	8.36	10.56	2.46	3.77	1.04	4.45	1.36	100			
6620	580E LDR/BHOE 1.0 CY FE BUCKET 63 HP D 24" B/H DIPPER	46,533	10.45	13.20	3.06	4.70	1.39	5.56	1.83	118			
6625	680H LDR/BHOE 1-1/4 CY FE BUCKET 80 HP D 30" B/H DIPPER	74,605	16.14	20.36	4.90	7.54	1.76	8.91	2.32	165			
6630	780B LDR/BHOE 1-3/4 CY FE BUCKET 111 HP D 30" B/H DIPPER	86,078	19.23	24.28	5.64	8.67	2.45	10.24	3.22	210			
CATERPILLAR													
6640	416 LDR/BH 1.0 CY FE BUCKET 62 HP D 24" B/H DIPPER	44,293	10.23	12.99	2.84	4.34	1.37	5.13	1.80	132			
6645	426 LDR/BH 1-1/4 CY FE BUCKET 70 HP D 30" B/H DIPPER	50,045	11.50	14.58	3.23	4.94	1.54	5.83	2.03	142			
JOHN DEERE													
6655	310B LDR/BH 3/4 CY FE BUCKET 58 HP D 24" B/H DIPPER	41,195	9.38	11.85	2.70	4.14	1.28	4.89	1.68	135			
6660	410B LDR/BH 1 CY FE BUCKET 62 HP D 24" B/H DIPPER	48,993	10.94	13.82	3.22	4.94	1.37	5.83	1.80	138			
6665	510B LDR/BHOE 1-1/8 CY FE BUCKET 70 HP D 24" B/H DIPPER	56,844	12.64	15.98	3.72	5.71	1.54	6.74	2.03	150			
6670	610B LDR/BH 1-1/3 CY FE BUCKET 80 HP D 24" B/H DIPPER	65,098	14.43	18.22	4.28	6.57	1.76	7.75	2.32	163			
6675	710B LDR/BHOE 1-1/2 CY FE BUCKET 100 HP D 30" B/H DIPPER	78,226	17.57	22.24	5.10	7.82	2.20	9.25	2.90	220			

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					
<b>LOADER/BH, WHL. TYPE TRACTOR (CONT'D)</b> *****														
<b>FORD</b>														
6685	340B LDR/BH 16 CF FE BUCKET 24" B/H DIPPER	48 HP D	33,504	7.68	9.73	2.19	3.35	1.06	3.96	1.39	103			
6690	445A LDR/BH 3/4 CY FE BUCKET 24" B/H DIPPER	48 HP D	37,197	8.34	10.56	2.43	3.73	1.06	4.41	1.39	114			
6695	545A LDR/BH 3/4 CY FE BUCKET 24" B/H DIPPER	60 HP D	39,598	9.12	11.56	2.59	3.98	1.32	4.70	1.74	119			
6700	555B LDR/BH 1 CY FE BUCKET 24" B/H DIPPER	63 HP D	44,335	10.18	12.90	2.89	4.43	1.39	5.23	1.83	135			
6705	655A LDR/BH 1 CY FE BUCKET 24" B/H DIPPER	72 HP D	49,423	11.37	14.39	3.23	4.95	1.59	5.84	2.09	149			
6710	755A LDR/BH 1 1/2 CY FE BUCKET 24" B/H DIPPER	100 HP D	70,326	15.96	20.18	4.62	7.11	2.20	8.40	2.90	167			
<b>MASSEY FERGUSON</b>														
6720	MF 30E LDR/BH 3/4 CY FE BUCKET 24" B/H DIPPER	48 HP D	38,057	8.41	10.60	2.51	3.86	1.06	4.57	1.39	107			
6725	MF 50E LDR/BH 1 CY FE BUCKET 24" B/H DIPPER	65 HP D	43,268	9.88	12.48	2.85	4.38	1.43	5.18	1.88	120			
6730	MF 50HX LDR/BH 1 CY FE BUCKET 24" B/H DIPPER	72 HP D	45,741	10.71	13.56	2.98	4.57	1.59	5.39	2.09	129			
<b>LOADER/BACKHOE, CRLR TYPE TRACTOR</b> *****														
<b>CASE</b>														
6745	455C LDR/BHOE 1 CY FE BUCKET 24" B/H DIPPER	63 HP D	72,159	18.82	23.62	4.94	7.75	1.50	9.20	1.97	191			
6750	855C LDR/BHOE 1 1/2 CY FE BUCKET 24" B/H DIPPER	78 HP D	80,280	21.18	26.61	5.50	8.62	1.85	10.23	2.44	245			
<b>CATERPILLAR</b>														
6760	931BLDR/BHOE 1 CY FE BUCKET 30" B/H DIPPER	65 HP D	56,168	15.17	19.07	3.85	6.03	1.55	7.16	2.04	207			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	OWNER-SHIP	AVERAGE COND.	SEVERE COND.		
			AVERAGE	SEVERE						
<b>LOADER/BACKHOE ATTACHMENTS</b> *****										
	HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE OR HYDRAULIC EXCAVATOR (ADD TO THE BASIC LOADER-BACKHOE OR EXCAVATOR)									
6770	KENT RAM 555 W/NARROW CHISEL	5,382	2.03		0.47	0.75	0.00		6	
6775	KENT RAM 999 W/NARROW CHISEL	11,152	4.19		0.97	1.56	0.00		10	
6780	KENT RAM 2600 W/CHISEL-MIN 3/4CY B/H	22,485	8.32		1.95	3.14	0.00		22	
6785	KENT KHP-12 HYDRA-PAK TAMPER	5,409	1.76		0.47	0.75	0.00		9	
6790	KENT KHP225 HYDRA-PAK MIN 3/4CY B/H	8,479	2.76		0.74	1.19	0.00		15	
<b>PILE EXTRACTORS</b> *****										
	VULCAN									
6805	400A 500 FT-LBS 450CFM A	19,007	5.60		1.65	2.65	0.00		30	
6810	800A 1000 FT-LBS 900CFM A	24,829	7.48		2.16	3.47	0.00		57	
6815	1200A 1640 FT-LBS 1350CFM A	29,256	9.00		2.53	4.07	0.00		97	
<b>PILE HAMMERS, DIESEL</b> ***** (FUEL NOT INCLUDED)										
	MKT CORPORATION									
6830	DE-30B/20B (6-FT) 12,000 FT-LBS	44,674	12.84		3.86	6.22	0.00		64	
6835	DE-30B/20B (6-FT) 16,800 FT-LBS	46,171	13.26		3.99	6.43	0.00		72	
6840	DE-70B/50B (6-FT) 30,000 FT-LBS	71,881	20.67		6.22	10.02	0.00		127	
6845	DE-70B/50B (6-FT) 42,000 FT-LBS	75,233	21.70		6.51	10.48	0.00		148	
<b>PILE HAMMERS, SINGLE ACTING</b> *****										
	VULCAN									
6860	1 15000 FT-LBS 750CFM A	35,833	10.50		3.11	5.00	0.00		101	
6865	06 19500 FT-LBS 900CFM A	42,408	12.40		3.67	5.91	0.00		121	
6870	08 26000 FT-LBS 1100CFM A	48,322	14.17		4.19	6.74	0.00		175	
6875	010 32500 FT-LBS 1350CFM A	51,951	15.32		4.50	7.24	0.00		195	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT						
			CONDITION	SEVERE	STAND-BY	AVERAGE	COND.	SEVERE	COND.							
						OWNER-SHIP	FUEL	OWNER-SHIP	FUEL							
<b>PILE HAMMERS, SINGLE ACTING (CONT'D)</b>																
*****																
VULCAN (CONT'D)																
6880	012	39000 FT-LBS	1500CFM A	61,824	17.99	5.35	8.62	0.00		287						
6885	014	42000 FT-LBS	1750CFM A	74,397	21.81	6.44	10.37	0.00		283						
6890	016	48750 FT-LBS	1750CFM A	84,302	24.59	7.30	11.75	0.00		320						
6895	020	60000 FT-LBS	2150CFM A	109,726	31.94	9.49	15.29	0.00		425						
6900	030	90000 FT-LBS	2350CFM A	124,758	36.27	10.80	17.39	0.00		575						
<b>PILE HAMMERS, DOUBLE ACTING</b>																
*****																
I.C.E																
6915	180	8100 FT-LBS	23 HP D	28,546	8.68	2.47	3.98	0.51		54						
6920	440	18100 FT-LBS	50 HP D	60,100	18.30	5.20	8.37	1.10		130						
6925	520	30000 FT-LBS	76 HP D	69,650	21.74	6.02	9.70	1.68		156						
6930	640	40000 FT-LBS	90 HP D	73,328	23.17	6.35	10.22	1.98		186						
6935	660	50000 FT-LBS	133 HP D	99,142	31.66	8.57	13.81	2.93		309						
6940	1070	70000 FT-LBS	136 HP D	118,042	37.06	10.21	16.45	3.00		252						
<b>MITSUBISHI</b>																
6950	MH-15	16300 FT-LBS	45 HP D	64,940	19.84	5.62	9.05	0.99		95						
6955	MH-25	27500 FT-LBS	79 HP D	79,186	24.99	6.85	11.03	1.74		147						
6960	MH-35	38600 FT-LBS	116 HP D	98,769	31.66	8.54	13.76	2.56		205						
6965	MH-45	50200 FT-LBS	129 HP D	126,535	39.94	10.95	17.64	2.84		271						
6970	MH-72	LAND 79500 FT-LBS	216 HP D	235,255	73.56	20.35	32.78	4.76		456						
6975	MH-80 OFFSHORE	88000 FT-LBS	268 HP D	270,969	85.40	23.44	37.76	5.91		456						
<b>MKT CORPORATION</b>																
6985	9-B-3	8750 FT-LBS	900CFM A	35,117	10.35	3.04	4.89	0.00		72						
6990	10-B-3	13100 FT-LBS	1200CFM A	37,402	11.15	3.24	5.21	0.00		111						
6995	11-B-3	19150 FT-LBS	1200CFM A	49,920	14.66	4.32	6.96	0.00		141						
7000	5 (SELF STOP)	1000 FT-LBS	375CFM A	12,727	3.82	1.11	1.78	0.00		17						

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				
<b>PILE HAMMERS, DOUBLE ACTING (CONT'D)</b> *****												
MRT CORPORATION (CONT'D)												
7005	6 (SELF STOP) 2500 FT-LBS	600CFM A	16,101	4.85		1.39	2.24	0.00	31			
7010	7 (SELF STOP) 4150 FT-LBS	750CFM A	20,102	6.10		1.75	2.81	0.00	50			
VULCAN												
7020	50C 15100 FT-LBS	1250CFM A	48,483	14.28		4.20	6.76	0.00	153			
7025	65C 19200 FT-LBS	1450CFM A	55,519	16.37		4.81	7.74	0.00	153			
7030	80C 24450 FT-LBS	1750CFM A	59,614	17.67		5.16	8.31	0.00	184			
7035	100C 32900 FT-LBS	2050CFM A	73,040	21.60		6.32	10.18	0.00	232			
7040	140C 36000 FT-LBS	2150CFM A	90,436	26.52		7.82	12.60	0.00	287			
7045	200C 50200 FT-LBS	2550CFM A	130,950	38.10		11.32	18.24	0.00	398			
<b>PILE HAMMERS, VIBRATORY</b> *****												
MRT CORPORATION												
7060	V5B WITH POWER PACK	95 HP D	67,127	21.59		5.81	9.36	2.09	110			
7065	V16B WITH POWER PACK	156 HP D	119,268	37.98		10.32	16.62	3.44	215			
7070	V20 WITH POWER PACK	310 HP D	175,693	58.29		15.20	24.49	6.83	257			
7075	V30 WITH POWER PACK	510 HP D	202,637	71.66		17.53	28.24	11.24	350			
7080	V36 WITH POWER PACK	580 HP D	256,272	88.72		22.17	35.71	12.78	450			
<b>PIPELAYER</b> *****												
CATERPILLAR												
7095	561D 15 FT BOOM, 40,000 LB CAP 105 HP D	122,795	20.53	25.33	7.39	11.09	1.28	12.62	1.64			
7100	571G 18 FT BOOM, 60,000 LB CAP 200 HP D	197,454	33.55	41.41	11.88	17.83	2.44	20.29	3.13			
7105	572G 18 FT BOOM, 90,000 LB CAP 200 HP D	225,860	37.88	46.74	13.59	20.39	2.44	23.21	3.13			
7110	583K 20 FT BOOM, 140,000 LB CAP 300 HP D	284,217	48.48	59.89	17.09	25.65	3.65	29.21	4.70			
7115	594H 24 FT BOOM, 200,000 LB CAP 410 HP D	396,351	67.48	83.32	23.84	35.78	4.99	40.73	6.42			

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													
<b>PUMPS, GROUT</b> *****																	
<b>CHEMGROUT</b>																	
7130	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,925	3.26		1.06	1.74	0.00		11								
7135	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CPM	4,773	1.24		0.39	0.64	0.00		5								
7140	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CPM	19,075	4.89		1.56	2.56	0.00		18								
7145	CG-620 COLLOIDAL ADD-ON TO CG-500	8,242	2.03		0.68	1.11	0.00		11								
<b>PUMPS, WATER (FOR CORE DRILLS)</b> *****																	
<b>ACKER</b>																	
7160	MOD APS 11-5 6 GPM UP TO 100 PS 2 HP G	781	0.34		0.05	0.08	0.15		2								
<b>PUMPS, WATER, CENTRIFUGAL, DEWATERING</b> *****																	
<b>HOMELITE - SKID MOUNTED</b>																	
7175	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	485	0.29		0.03	0.05	0.15		1								
7180	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	625	0.42		0.05	0.07	0.23		1								
7185	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	1,159	1.00		0.08	0.12	0.60		2								
<b>MARLOW - WHEEL MOUNTED</b>																	
7195	MOD 4D2 465 GPM @ 20' HEAD 43 HP G	9,247	5.95		0.62	0.96	3.25		14								
7200	MOD 4C7 595 GPM @ 20' HEAD 30 HP D	9,344	2.94		0.63	0.97	0.92		10								
7205	MOD 6E4A 1100 GPM @ 20' HEAD 79 HP G	13,016	10.21		0.87	1.35	5.97		15								
7210	MOD 6E4A 1100 GPM @ 20' HEAD 60 HP D	14,642	5.16		0.98	1.52	1.84		24								
7215	MOD 8FA3 2320 GPM @ 20' HEAD 70 HP D	22,650	7.02		1.52	2.35	2.15		23								
7220	MOD 10FA61 2775 GPM @ 20' HEAD 68 HP D	24,112	7.20		1.62	2.51	2.09		30								

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						
<b>PUMPS, WATER, CENTRIFUGAL, TRASH</b> *****														
<b>HOMELITE - SKID MOUNTED</b>														
7235	MOD 121TP 2" - 11500 GPH @ 20' H	5 HP G	1,004	0.68		0.07	0.10	0.38	1					
7240	MOD 120 3" - 23000 GPH @ 20' H	8 HP G	1,372	1.03		0.09	0.14	0.60	2					
7245	MOD 160TP 4" - 36500 GPH @ 20' H	16 HP G	2,814	2.10		0.19	0.29	1.21	4					
<b>PUMPS, WATER, DIAPHRAGM</b> *****														
<b>HOMELITE - SKID MOUNTED</b>														
7260	MOD 111DP 2" - 1900 GPH @ 10' HD	3 HP G	1,257	0.52		0.09	0.13	0.23	1					
7265	MOD 111DP 3" - 4800 GPH @ 10' HD	3 HP G	1,401	0.55		0.09	0.14	0.23	2					
<b>PUMPS, WATER, SUBMERSIBLE</b> *****														
<b>GORMAN-RUPP</b>														
7280	MOD S2A1 2" - 138 GPM @ 20' HD	2 HP E	1,702	0.44		0.12	0.18	0.14	2					
7285	MOD S3A1 3" - 278GPM @ 20' HD	5 HP E	2,432	0.86		0.16	0.25	0.36	3					
7290	MOD S4A1 4" - 860 GPM @ 40' HD	25 HP E	8,633	3.83		0.58	0.90	1.80	12					
7295	MOD S6A1 6" - 1950 GPM @ 40' HD	60 HP E	11,255	7.85		0.76	1.17	4.32	14					
<b>MARLOW</b>														
7305	MOD 2S11 2" - 84 GPM @ 20' HD	1 HP E	1,311	0.29		0.09	0.14	0.07	1					
7310	MOD 3S22 3" - 190 GPM @ 20' HD	2 HP E	1,866	0.47		0.13	0.20	0.14	1					
7315	MOD 4S83 4" - 550 GPM @ 25' HD	8 HP E	2,547	1.21		0.18	0.27	0.58	1					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND-BY	AVERAGE	COND.	SEVERE	COND.	OWNER-SHIP	
					AVERAGE	COND.	SEVERE	COND.	OWNER-SHIP	
	RIPPER & HYDRAULIC BANK SLOPER ***** (DOES NOT INCLUDE COST OF POINT WEAR)									
	ATECO									
7330	V-RAR-1 SINGLE SHANK EXTREME SVC	39,289	9.08	12.36	3.10	5.01	0.00	6.33	0.00	141
7335	V-RAR-1 SHANKS EA W/GUARD	3,082	0.70	0.96	0.24	0.39	0.00	0.50	0.00	15
7340	LPAF-D8K PARALLEL LIFT	24,914	5.75	7.84	1.96	3.17	0.00	4.01	0.00	101
7345	D-8K SHANKS EA	1,962	0.45	0.60	0.16	0.25	0.00	0.31	0.00	11
7350	LPAF-D7G PARALLEL LIFT	18,593	4.30	5.85	1.47	2.37	0.00	2.99	0.00	57
7355	D-7G SHANKS EA	859	0.20	0.27	0.07	0.11	0.00	0.14	0.00	5
7360	V-LPRF-TD25E PARALLEL LIFT STD SVC	21,420	4.97	6.75	1.69	2.73	0.00	3.45	0.00	97
7365	TD-25C SHANKS EA	1,934	0.44	0.60	0.16	0.25	0.00	0.31	0.00	8
7370	V-LPRF-TD20E PARALLEL LIFT STD SVC	15,463	3.59	4.89	1.22	1.97	0.00	2.50	0.00	51
7375	TD-20E SHANKS EA	1,234	0.28	0.38	0.10	0.16	0.00	0.20	0.00	4
7380	PS-TD15C RADIAL LIFT	9,034	2.13	2.88	0.71	1.15	0.00	1.45	0.00	22
7385	TD-15C SHANKS EA	489	0.11	0.15	0.04	0.06	0.00	0.08	0.00	1
7390	V-LPRF 82-50 PARALLEL LIFT STD SVC	23,896	5.50	7.51	1.88	3.04	0.00	3.85	0.00	105
7395	82-50 SHANKS EA	1,934	0.44	0.60	0.16	0.25	0.00	0.31	0.00	8
7400	V-LPRF-82-30B PARALLEL LIFT	21,233	4.91	6.68	1.68	2.71	0.00	3.42	0.00	89
7405	82-30 SHANKS EA	2,612	0.59	0.81	0.21	0.33	0.00	0.42	0.00	8
7410	HBS-HYDR BANK SLOPER 260-475 HP	9,337	1.84	2.32	0.65	1.01	0.00	1.19	0.00	28
	CATERPILLAR									
7420	D-11N MULTI-SHANK BEAM	51,888	12.05	16.37	4.10	6.62	0.00	8.36	0.00	170
7425	D-11N SHANKS EA	3,813	0.87	1.18	0.31	0.49	0.00	0.61	0.00	15
7430	D-11N SINGLE-SHANK BEAM	56,221	13.01	17.69	4.44	7.17	0.00	9.05	0.00	183
7435	D-10 MULTI-SHANK BEAM	52,382	12.12	16.50	4.13	6.68	0.00	8.44	0.00	218
7440	D-10 SHANKS EA	3,816	0.87	1.19	0.31	0.49	0.00	0.62	0.00	15
7445	D-10 SINGLE-SHANK BEAM	55,718	12.87	17.53	4.39	7.10	0.00	8.98	0.00	209
7450	D-9 MULTI-SHANK BEAM W/HYD-CONTROL	44,358	10.24	13.94	3.50	5.66	0.00	7.14	0.00	162
7455	D-9 SHANKS EA	3,433	0.77	1.07	0.27	0.43	0.00	0.56	0.00	14

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL	
			AVERAGE	SEVERE						
<b>RIPPER &amp; HYDR BANK SLOPER (CONT'D)</b>										
<b>*****</b>										
(DOES NOT INCLUDE COST OF POINT WEAR)										
<b>CATERPILLAR (CONT'D)</b>										
7460	D-9 SINGLE-SHANK BEAM HYD-CNTL&SHAN	41,298	9.55	13.00	3.26	5.27	0.00	6.66	0.00	156
7465	D-8 MULTI-SHANK BEAM HYD-CONTROL	29,902	6.89	9.39	2.36	3.81	0.00	4.82	0.00	98
7470	D-8 SHANKS EA	1,928	0.44	0.60	0.16	0.25	0.00	0.31	0.00	7
7475	D-8 SINGLE-SHANK BEAM HYD-CNTL&SHAN	29,085	6.71	9.13	2.30	3.71	0.00	4.68	0.00	101
7480	D-7 MULTI-SHANK BEAM HYD-CONTROL	17,212	3.99	5.43	1.36	2.19	0.00	2.77	0.00	67
7485	D-7 SHANKS EA	996	0.23	0.31	0.08	0.13	0.00	0.16	0.00	3
7490	D-6 MULTI-SHANK BEAM HYD-CONTROL	10,449	2.46	3.33	0.83	1.34	0.00	1.69	0.00	34
7495	D-6 SHANKS EA	582	0.14	0.19	0.05	0.08	0.00	0.10	0.00	2
7500	D-5 SINGLE-SHANK BEAM HYD-CONTROL	8,057	1.90	2.59	0.63	1.02	0.00	1.30	0.00	17
7505	D-5 SHANKS EA	582	0.14	0.19	0.05	0.08	0.00	0.10	0.00	2
7510	D-4 SINGLE-SHANK BEAM HYD-CONTROL	4,911	1.20	1.60	0.39	0.63	0.00	0.79	0.00	12
7515	D-4 SHANKS EA	294	0.07	0.09	0.03	0.04	0.00	0.05	0.00	1
7520	D-3 THREE- SHANK BEAM HYD-CONTROL	2,754	0.70	0.94	0.22	0.35	0.00	0.45	0.00	7
7525	D-3 SHANKS EA	146	0.02	0.04	0.01	0.01	0.00	0.02	0.00	1
<b>FIAT-ALLIS</b>										
7535	FD-50 W/HYD-CNTL AND 1 SHANK	56,472	13.10	17.83	4.45	7.19	0.00	9.10	0.00	280
7540	FD-40 W/HYD-CNTL AND 2 SHANKS	44,343	10.27	13.97	3.50	5.65	0.00	7.14	0.00	200
7545	FD-30 W/HYD-CNTL AND 2 SHANKS	33,428	7.69	10.49	2.64	4.26	0.00	5.39	0.00	108
7550	RP20B W/HYD-CNTL AND 3 SHANKS	20,835	4.83	6.56	1.65	2.66	0.00	3.35	0.00	88
<b>ROLLER, RUBBER TIRED, SELF-PROPELLED</b>										
<b>*****</b>										
<b>PERGUSON</b>										
7565	MOD SP-912 12 TON 85 HP D	42,070	10.15			2.86	4.48	1.87		99
7570	MOD SP-915 15 TON 85 HP D	46,502	10.96			3.16	4.96	1.87		135
7575	MOD SP-1118 18 TON 85 HP D	53,940	12.34			3.67	5.75	1.87		124
7580	MOD SP-1130 30 TON 125 HP D	86,586	19.65			5.82	9.10	2.75		242

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>ROLLER, R/T, SELF-PROPELLED (CONT'D)</b> *****														
<b>INGRAM</b>														
7590	9-2800-P	12 TON	76 HP D	36,776	8.93	2.50	3.91	1.68		73				
7595	9-2800-PA	12 TON	76 HP D	39,559	9.45	2.69	4.21	1.68		86				
7600	9-3400-P	15 TON	78 HP D	40,492	9.68	2.76	4.32	1.72		97				
7605	11-2700	15 TON	107 HP G	39,021	14.54	2.64	4.13	5.86		89				
7610	11-2700	15 TON	76 HP D	43,442	10.17	2.94	4.61	1.68		91				
7615	13-2300	15 TON	107 HP G	40,784	14.89	2.75	4.31	5.86		86				
7620	13-2300	15 TON	76 HP D	45,224	10.52	3.06	4.79	1.68		90				
7625	9-6000	27 TON	117 HP D	98,967	21.82	6.63	10.36	2.58		205				
<b>TAMPO</b>														
7635	SP-312	12 TON	68 HP D	40,090	9.32	2.72	4.26	1.50		66				
7640	SP-518	15 TON	68 HP D	49,710	11.10	3.37	5.29	1.50		95				
7645	SP-950	27 TON	130 HP D	102,541	22.80	6.89	10.77	2.87		198				
7650	SP-1070 M	35 TON	130 HP D	123,584	27.28	8.10	12.57	2.87		258				
<b>ROLLER, RUBBER TIRED, TOWED</b> *****														
<b>FERGUSON</b>														
7665	RT-100S	50 TON		68,112	12.62	4.02	6.04	0.00		200				
7670	RT-120S	60 TON		80,300	15.43	5.15	7.95	0.00		218				
<b>SOUTHWEST</b>														
7680	C 50	50 TON		83,787	15.70	5.13	7.81	0.00		344				
7685	C 75	75 TON		89,893	16.83	5.32	8.01	0.00		408				
7690	C 100XL	100 TON		123,329	23.21	7.62	11.63	0.00		601				
<b>TAMPO</b>														
7700	R-13	14 TON		10,203	1.99	0.65	1.00	0.00		35				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.										
			AVERAGE	SEVERE													
<b>ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED</b> *****																	
<b>FERGUSON</b>																	
7715	MOD 112	40"X48"	3-7	TON	14,443	2.81	0.99	1.56	0.00	65							
7720	MOD 112W	40"X48"	4.5-8	TON	18,375	3.53	1.27	1.99	0.00	91							
7725	MOD 112W-48	48"X48"	5-10	TON	18,950	3.64	1.30	2.05	0.00	105							
7730	MOD 120	60"X60"	8-18	TON	28,375	5.37	1.95	3.07	0.00	157							
7735	MOD 120 MOD	60"X60"	8-18	TON	43,396	8.14	2.99	4.70	0.00	230							
7740	MOD 120-RE	60"X60"	16-20	TON	65,628	12.23	4.51	7.10	0.00	327							
7745	MOD 22	60"X72"	16-20	TON	42,876	8.04	2.94	4.63	0.00	215							
7750	MOD 22 MOD	60"X72"	16-20	TON	50,046	9.35	3.44	5.41	0.00	269							
7755	MOD 144-RE	60"X72"	19-24	TON	77,250	14.37	5.31	8.36	0.00	385							
<b>TAMPO</b>																	
7765	H-1 TF	40"X48"	2.6TON		6,390	1.33	0.44	0.69	0.00	32							
7770	H-2 TF	40"X48"	5 TON		12,921	2.54	0.89	1.40	0.00	63							
<b>ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED</b> *****																	
<b>CATERPILLAR</b>																	
7785	815B	56" Dia. X 38.5" L	210 HP	D	160,862	35.35	11.06	17.41	4.63	420							
7790	816B	LANDFILL 63" X 40" W/BLADE	210 HP	D	161,630	35.48	11.11	17.49	4.63	451							
7795	825C	51" X 44"	310 HP	D	243,160	53.23	16.72	26.32	6.83	654							
7800	825C	W/S BLADE	310 HP	D	257,313	55.82	17.69	27.84	6.83	706							
7805	826C	LANDFILL 60" X 48" W/BLADE	310 HP	D	254,454	55.30	17.50	27.54	6.83	680							
<b>HYSTER</b>																	
7815	C455-B	TANDEM 80"X80" ARTIC	330 HP	D	270,541	58.81	18.60	29.28	7.27	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										
7830	3-5 TON TANDEM 52 HP D	28,307	6.64			1.95	3.06	1.15		77	
7835	4-6 TON TANDEM 52 HP D	33,779	7.65			2.33	3.66	1.15		96	
7840	5-8 TON TANDEM 85 HP D	51,589	11.81			3.55	5.58	1.87		136	
7845	8-10 TON TANDEM 85 HP D	53,962	12.25			3.71	5.84	1.87		174	
7850	8-12 TON TANDEM 85 HP D	56,365	12.69			3.88	6.10	1.87		176	
7855	10-14 TON TANDEM 85 HP D	58,786	13.14			4.04	6.36	1.87		219	
	INGRAM										
7865	12 TON EB 3 WHEEL 3" OVERLAP 107 HP G	56,465	17.66			3.88	6.11	5.86		194	
7870	12 TON EB 3 WHEEL 3" OVERLAP 85 HP D	60,575	13.46			4.16	6.55	1.87		196	
7875	14 TON EB 3 WHEEL 3" OVERLAP 107 HP G	59,913	18.29			4.12	6.48	5.86		221	
7880	14 TON EB 3 WHEEL 3" OVERLAP 85 HP D	64,023	14.09			4.40	6.92	1.87		223	
7885	4-6 TON FB 2 WHEEL TANDEM 54 HP G	27,710	8.77			1.91	3.00	2.96		82	
7890	6-9 TON GB 2 WHEEL TANDEM 107 HP G	37,620	14.19			2.59	4.07	5.86		133	
7895	6-9 TON GB 2 WHEEL TANDEM 85 HP D	41,731	9.99			2.87	4.51	1.87		135	
7900	8-12 TON HB 2 WHEEL TANDEM 107 HP G	45,645	15.67			3.14	4.94	5.86		171	
7905	8-12 TON HB 2 WHEEL TANDEM 85 HP D	49,755	11.48			3.43	5.39	1.87		173	
7910	10-14 TON HB 2 WHEEL TANDEM 107 HP G	49,263	16.33			3.39	5.33	5.86		203	
7915	10-14 TON HB 2 WHEEL TANDEM 85 HP D	53,373	12.14			3.67	5.77	1.87		205	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION		STAND-BY	OWNERSHIP	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE			FUEL	OWNERSHIP	FUEL						
<b>ROLLER, VIBRATORY, SINGLE DRUM, TOWED</b> *****															
TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS															
<b>DYNAPAC</b>															
7930	CK-11	40HZ	30"X55"	5 TON	18 HP G	13,900	5.24	1.11	1.79	1.36	31				
7935	CF-11	40HZ	TF 30"X55"	5 TON	18 HP G	17,011	6.01	1.35	2.19	1.36	32				
7940	CH-47	27HZ	47"X74"	13 TON	43 HP D	36,046	10.65	2.86	4.64	1.32	130				
7945	CF-47	27HZ	TF 47"X74"	13 TON	43 HP D	39,494	11.50	3.13	5.08	1.32	135				
7950	CK-51	25HZ	59"X83"	24 TON	95 HP D	55,218	17.50	4.39	7.11	2.92	221				
7955	CF-51	25HZ	TF 59"X83"	24 TON	95 HP D	58,225	18.25	4.63	7.50	2.92	226				
<b>FERGUSON</b>															
7965	65	25HZ	TF 60"X72"	11 TON	49 HP D	38,778	11.57	3.08	4.99	1.51	110				
7970	65T	30HZ	TF 44"X72"	11 TON	49 HP D	42,171	12.42	3.35	5.43	1.51	127				
7975	230	25HZ	66"X78"	20 TON	77 HP D	67,899	19.91	5.39	8.74	2.37	237				
7980	230T	25HZ	TF 66"X78"	21 TON	77 HP D	74,098	21.44	5.88	9.53	2.37	268				
<b>HYSTER</b>															
7990	C200B	30HZ	48"X60"	9 TON	36 HP G	25,550	9.91	2.03	3.29	2.72	72				
7995	C210A	30HZ	TF 58"X60"	9 TON	36 HP G	31,319	11.33	2.49	4.03	2.72	92				
<b>RAYGO</b>															
8005	SF-54A	TF	38HZ 30"X54"	7.5TON	30 HP D	20,058	6.18	1.59	2.58	0.92	48				
8010	SM-54A		38HZ 30"X54"	7.5TON	30 HP D	18,201	5.73	1.45	2.35	0.92	48				
<b>SOUTHWEST</b>															
8020	756	25HZ	TF 66"X78"	23.5TON	75 HP D	93,300	26.11	7.41	12.01	2.31	240				
8025	566	33HZ	TF 56"X72"	25.5TON	50 HP D	62,941	17.59	5.00	8.10	1.54	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.	OWNER-SHIP	FUEL	
ROLLER, VIB, SINGLE DRUM, SELF-PROPELLED ****									
	TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS								
DYNAPAC									
8040	CA-15 29HZ 48"X66" 11 TON 73 HP D	63,270	18.65		4.98	8.06	2.24		132
8045	CA-15A 42HZ 48"X66" 12 TON 85 HP D	73,026	21.69		5.65	9.11	2.61		144
8050	CA-15PD 29HZ TF 53"X66" 13 TON 85 HP D	83,510	24.15		6.59	10.67	2.61		157
8055	CA-25A 40HZ 60"X84" 18 TON 125 HP D	93,603	28.36		7.31	11.80	3.84		200
8060	CA-25 28HZ 60"X84" 18 TON 125 HP D	87,284	26.78		6.82	11.02	3.84		200
8065	CA-25S 28HZ 61"X84" 22 TON 125 HP D	93,920	28.43		7.35	11.88	3.84		225
8070	CA-25PD 28HZ 68"X84" 22 TON 125 HP D	108,491	32.01		8.50	13.74	3.84		248
8075	CA-30 28HZ 61"X84" 22 TON 125 HP D	96,926	29.16		7.59	12.26	3.84		242
8080	CA-30D 28HZ 61"X84" 22 TON 125 HP D	104,939	31.14		8.22	13.29	3.84		252
FERGUSON									
8090	SP 266A 42HZ 48"X66" 15 TON 125 HP D	91,052	27.57		7.22	11.71	3.84		225
8095	SP 75 30HZ 60"X84" 22.5 TON 85 HP D	75,104	22.15		5.85	9.45	2.61		191
8100	SP 75D 30HZ 60"X84" 22.5 TON 120 HP D	79,705	24.70		6.22	10.04	3.69		193
8105	SP 75DT 30HZ TF 60"X84" 22.5 TON 120 HP D	90,610	27.40		7.09	11.45	3.69		236
INGERSOLL RAND									
8115	SPF-56 30HZ TF 56"X84" 21 TON 115 HP D	96,513	28.66		7.56	12.21	3.54		222
8120	SP-60DD 25HZ 60"X100" 30 TON 203 HP D	143,200	43.93		11.15	18.00	6.24		377
RAYGO									
8130	RASCAL 220A 30HZ TF38"X48" 6 TON 70 HP D	58,706	17.37		4.64	7.51	2.15		97
8135	RASCAL 303A 38HZ 48"X66" 8 TON 70 HP D	58,634	17.39		4.61	7.46	2.15		137
8140	RASCAL 320A 25HZ TF48"X60" 8 TON 80 HP D	78,133	22.60		6.17	9.99	2.46		151
8145	RASCAL 320S 25HZ 48"X60" 8 TON 80 HP D	67,592	20.01		5.32	8.61	2.46		144
8150	RUSTLER 304A 28HZ 48"X66" 8 TON 70 HP D	66,225	19.40		5.12	8.24	2.15		130
8155	RUSTLER 404B 28HZ 59"X84" 13.5TON 88 HP D	88,437	25.55		6.92	11.19	2.71		175

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>ROLLER, VIBRATORY, SD, S/P (CONT'D)</b>													
*****													
TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS													
<b>RAYGO (CONT'D)</b>													
8160	RASCAL 420C 25HZ TF60"X84"	16 TON 119 HP D	102,311	30.25		8.02	12.97	3.66		225			
8165	RASCAL 4000 25HZ 60"X84"	20 TON 125 HP D	81,886	25.45		6.40	10.33	3.84		224			
8170	RASCAL 510A 25HZ 60"X80"	22.5TON 119 HP D	120,617	34.80		9.45	15.28	3.66		358			
8175	RASCAL 600A 25HZ 60"X100"	22.5TON 119 HP D	104,892	30.92		8.21	13.26	3.66		316			
8180	RASCAL 450A 28HZ 59"X84"	28.5TON 125 HP D	89,786	27.47		6.96	11.23	3.84		263			
<b>TAMPO</b>													
8190	RS-16A 26HZ 48"X24"	7.5TON 68 HP D	68,084	19.77		5.26	8.47	2.09		124			
8195	RS-16 26HZ 48"X24"	8 TON 68 HP D	60,067	17.66		4.73	7.65	2.09		115			
8200	RS-16D 26HZ 48"X24"	8 TON 80 HP D	70,390	20.70		5.55	8.98	2.46		123			
8205	RH-16A 26HZ 48"X24"	9 TON 75 HP D	77,291	22.34		5.99	9.66	2.31		153			
8210	RP-16D 26HZ TF 48"X24"	9 TON 80 HP D	76,820	22.28		6.05	9.80	2.46		127			
8215	RP-28D 25HZ TF 63"X84"	15 TON 110 HP D	101,041	29.57		7.91	12.79	3.38		212			
8220	RS-28C 25HZ 60"X84"	15 TON 107 HP D	84,036	25.24		6.56	10.60	3.29		202			
8225	RS-28D 25HZ 60"X84"	15 TON 107 HP D	90,846	26.93		7.11	11.48	3.29		208			
8230	RH-28D 28HZ 60"X84"	22.5TON 110 HP D	115,892	33.24		9.09	14.70	3.38		259			
<b>ROLLER, VIB, DOUBLE DRUM, SELF-PROPELLED</b>													
*****													
TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS													
<b>DYNAPAC</b>													
8245	LR-50 60HZ TANDEM	2 TON 16 HP D	11,914	3.60		0.95	1.54	0.49		25			
8250	CC-10 50HZ TANDEM	2 TON 34 HP D	31,468	9.16		2.50	4.05	1.05		50			
8255	CC-21 50HZ TANDEM	4 TON 71 HP D	74,237	21.23		5.90	9.56	2.18		137			
8260	CC-42II 42HZ TANDEM	12 TON 125 HP D	99,710	29.71		7.91	12.83	3.84		200			
8265	CC-50A 40HZ TANDEM	18 TON 155 HP D	120,769	36.13		9.58	15.54	4.76		310			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT					
			CONDITION	STAND BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL						
					AVERAGE COND.	OWNER-SHIP	FUEL	SEVERE COND.						
<b>ROLLER, VIBRATORY, DD, S/P (CONT'D)</b>														
*****														
TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
DYNAPAC (CONT'D)														
8270	CC-50S	28HZ	TANDEM	22 TON	181 HP	D	145,872	43.39	11.58	18.77	5.56	342		
8275	CC-50PD	28HZ	TF TANDEM	22 TON	181 HP	D	168,204	48.92	13.35	21.65	5.56	419		
RAYGO														
8285	REBEL	1-36	40HZ TANDEM	2 TON	16 HP	D	11,414	3.47	0.91	1.47	0.49	23		
8290	ROMPER	2-36	40HZ TANDEM	4 TON	35 HP	D	26,224	7.91	2.09	3.38	1.08	40		
8295	RUSTLER	5604A	50HZ TANDEM	5.5TON	70 HP	D	68,201	19.70	5.42	8.78	2.15	132		
8300	RUSTLER	7204A	38HZ TANDEM	8 TON	115 HP	D	91,115	27.18	7.23	11.72	3.54	250		
8305	RANGER	2-66	38HZ TANDEM	8 TON	119 HP	D	121,141	34.76	9.61	15.58	3.66	215		
TAMPO														
8315	RS-03	60HZ	36"X24"	2 TON	14 HP	G	11,759	4.30	0.93	1.51	1.06	23		
8320	RS-144A	50HZ	42"X48"	8 TON	52 HP	D	60,853	17.15	4.83	7.83	1.60	100		
8325	RS-166A	36HZ	48"X66"	16 TON	80 HP	D	90,721	25.67	7.20	11.67	2.46	200		
8330	RS-188A	36HZ	60"X84"	30 TON	156 HP	D	115,245	34.81	9.15	14.83	4.80	320		
8335	RH-199	25HZ	60"X96"	45 TON	262 HP	D	203,841	61.01	16.18	26.23	8.05	491		
ROOFING EQUIPMENT														
*****														
AEROIL														
8350	EZ LOAD	240 GAL. KETTLE			5,958	2.27	0.59	0.99	0.00		17			
8355	EZ LOAD	400 GAL. KETTLE			7,465	2.73	0.74	1.25	0.00		23			
8360	EZ LOAD	600 GAL. KETTLE			9,818	3.67	0.96	1.62	0.00		38			
8365	JOB TANK	2000 GAL. TRLR MTD.			27,203	9.49	2.55	4.26	0.00		81			
8370	MOD 52	HYDRAULIC CONVEYOR 52'H	23 HP	G	19,183	7.17	1.91	3.23	1.16		39			
8375	MOD 62	HYDRAULIC CONVEYOR 62'H	23 HP	G	21,405	7.84	2.13	3.61	1.16		55			
8380	MOD 68	HYDRAULIC CONVEYOR 68'H	23 HP	G	24,287	8.70	2.42	4.10	1.16		58			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT				
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL					
ROOFING EQUIPMENT (CONT'D)													
*****													
AEROIL (CONT'D)													
8385	MOD S RHINO ROOF PEELER 16" WIDE	10 HP G	3,444	1.66			0.34	0.58	0.51	4			
8390	MARK I ROOF CUTTER SINGLE BLADE	7 HP G	1,106	0.76			0.11	0.18	0.35	2			
8395	MARKII ROOF CUTTER DOUBLE BLADE	10 HP G	1,732	1.14			0.17	0.29	0.51	3			
GARLOCK													
8405	MOD 115 KETTLE 115 GAL.		1,801	1.02			0.17	0.28	0.00	9			
8410	MOD 175 KETTLE 175 GAL. W/PUMP		3,507	1.54			0.35	0.58	0.00	12			
8415	MOD 380 KETTLE 380 GAL. W/PUMP		5,301	2.32			0.52	0.88	0.00	24			
8420	MOD 580 KETTLE 580 GAL. W/PUMP		6,651	2.72			0.65	1.10	0.00	32			
8425	MOD 62 HYDRAULIC CONVEYOR 62'H	25 HP G	20,980	7.86			2.11	3.57	1.27	60			
8430	MOD 72 HYDRAULIC CONVEYOR 72'H	25 HP G	26,715	9.58			2.68	4.54	1.27	70			
8435	MOD1400 HYDR. SWING HOIST	18 HP G	7,499	3.38			0.76	1.28	0.91	7			
8440	MOD 82 POWER SWEEPER	4 HP G	1,493	0.70			0.16	0.26	0.20	2			
8445	ROTARY PLANER	8 HP G	1,223	0.88			0.13	0.21	0.41	2			
8450	MOD 21 ROOF CUTTER 21"	10 HP G	1,514	1.09			0.16	0.26	0.51	3			
8455	MOD 30 ROOF CUTTER 30"	10 HP G	1,555	1.10			0.16	0.27	0.51	3			
SCRAPERS, SELF-PROPELLED													
*****													
(CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)													
CATERPILLAR													
8470	613-C 13 T 11 CY P.S.	175 HP D	141,084	33.00	42.78	9.31	14.48	3.96	17.18	5.18			
8475	615 19 T 14-16 CY P.S.	250 HP D	208,644	48.28	63.39	13.92	21.91	5.65	26.08	7.39			
8480	621-E 24 T 14-20 CY P.S.	330 HP D	272,441	60.24	78.83	18.30	28.86	6.70	34.35	8.80			
8485	623-E 25 T 22 CY P.S.	330 HP D	302,452	67.76	88.22	20.41	32.23	7.46	38.36	9.76			
8490	627-E 24 T 14-20 CY P.S. 225/225 HP D/D		312,187	74.28	98.16	21.10	33.32	9.66	39.67	12.53			
8495	627-E PP 24 T 14-20 CY P.S. 225/225 HP D/D		331,212	77.61	102.33	22.43	35.45	9.66	42.22	12.53			
8500	631-E 37.5T 21-31 CY P.S. 450 HP D		418,981	90.86	118.75	28.19	44.47	9.13	52.93	12.01			

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					
<b>SCRAPERS, SELF-PROPELLED (CONT'D)</b>														
***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)														
<b>CATERPILLAR (CONT'D)</b>														
8505	637-E 37.5T 21-31 CY P.S. 450/250 HP D/D	544,630	125.39	164.67	37.02	58.56	15.02	69.76	19.49	1100				
8510	637-E PP 37.5T 21-31 CY P.S. 450/250 HP D/D	567,912	129.47	169.76	38.65	61.17	15.02	72.87	19.49	1136				
8515	651-E 52 T 32-44 CY P.S. 550 HP D	552,348	118.89	155.55	37.11	58.53	11.16	69.66	14.67	1328				
8520	657-E 52 T 32-44 CY P.S. 550/400 HP D/D	668,694	157.80	208.03	45.28	71.57	20.39	85.24	26.45	1522				
8525	657-E PP 52 T 32-44 CY P.S. 550/400 HP D/D	708,813	164.84	216.82	48.10	76.07	20.39	90.61	26.45	1597				
<b>FIAT-ALLIS</b>														
8535	161 18.7 T 15 CY P.S. 229 HP D	186,064	42.61	55.55	12.53	19.77	5.18	23.54	6.77	466				
8540	260B 25.0 T 15-21 CY P.S. 325 HP D	245,433	55.15	72.24	16.46	25.95	6.60	30.89	8.67	585				
8545	261B 26.5 T 23 CY P.S. 325 HP D	276,660	62.46	81.19	18.71	29.56	7.35	35.19	9.61	635				
8550	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	297,453	71.99	94.73	20.17	31.89	10.64	37.98	13.81	679				
8555	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	355,351	82.61	108.34	24.18	38.26	10.64	45.59	13.81	742				
<b>INTERNATIONAL</b>														
8565	412B 13 T 11 CY P.S. 125 HP D	134,834	30.04	38.81	8.94	13.91	2.83	16.49	3.70	335				
8570	431B 24 T 14-21 CY P.S. 326 HP D	263,243	58.57	76.74	17.66	27.83	6.62	33.12	8.70	609				
8575	433B 24 T 14-21 CY P.S. 326/185 HP D/D	309,127	75.38	99.63	20.88	32.97	10.97	39.26	14.23	700				
8580	442B 25 T 22 CY P.S. 326 HP D	294,248	66.20	86.27	19.84	31.31	7.37	37.26	9.64	680				
<b>JOHN DEERE</b>														
8590	JD762A 13.7 T 11 CY P.S. 175 HP D	134,699	31.59	40.85	8.93	13.89	3.96	16.47	5.18	355				
8595	JD862 20.0 T 16 CY P.S. 250 HP D	182,493	42.60	55.59	12.28	19.37	5.65	23.06	7.39	492				
<b>M-R-S</b>														
8605	I- 92/90ES 17T 14 CY P.S. 240 HP D	204,048	47.00	61.64	13.63	21.47	5.43	25.56	7.10	484				
8610	I-100/S100 25T 15-22 CY P.S. 310 HP D	326,955	73.59	98.40	21.47	33.66	6.29	40.01	8.27	872				
8615	I-100/100ES 25T 22 CY P.S. 310 HP D	343,023	78.80	104.91	22.60	35.46	7.01	42.16	9.17	930				

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															
<b>SCRAPERS, SELF-PROPELLED (CONT'D)</b> *****																			
(CAPACITY AS RECOMMENDED BY MGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)																			
<b>M-R-S (CONT'D)</b>																			
8620	I-105/S105 37T 21-30 CY P.S.	422 HP D	401,940	89.72	118.89	26.63	41.84	8.57	49.77	11.26	924								
8625	I-105/105ES 31T 27 CY P.S.	422 HP D	413,952	94.93	125.39	27.48	43.20	9.55	51.38	12.48	990								
8630	I-110/S105 37T 21-30 CY P.S.	482 HP D	476,466	107.36	143.19	31.49	49.44	9.78	58.79	12.86	954								
8635	I-110/105ES 31T 27 CY P.S.	482 HP D	488,050	113.00	150.22	32.30	50.74	10.90	60.34	14.26	1020								
8640	I-110/110ES 40T 32 CY P.S.	482 HP D	511,449	117.23	155.60	33.89	53.26	10.90	63.35	14.26	1092								
8645	I-110/S110 42T 25-34 CY P.S.	482 HP D	492,425	110.21	146.85	32.56	51.13	9.78	60.81	12.86	1061								
8650	I-115/S105 37T 21-30 CY P.S.	550 HP D	513,145	117.04	156.47	33.88	53.18	11.16	63.24	14.67	994								
8655	I-115/S110 42T 25-34 CY P.S.	550 HP D	529,087	119.91	160.09	34.95	54.87	11.16	65.24	14.67	1101								
8660	I-115/S120 48T 30-39 CY P.S.	550 HP D	579,469	128.51	170.83	38.50	60.53	11.16	71.99	14.67	1236								
8665	I-115/110ES 40T 32 CY P.S.	550 HP D	548,111	127.30	169.33	36.29	57.01	12.44	67.80	16.27	1132								
8670	I-120/S110 42T 25-34 CY P.S.	615 HP D	559,561	126.86	168.89	37.09	58.29	12.48	69.33	16.41	1121								
8675	I-120/S120 48T 30-39 CY P.S.	615 HP D	609,944	136.48	181.42	40.28	63.23	12.48	75.18	16.41	1256								
<b>TEREX (GM)</b>																			
8685	S-24C 40.8T 24-34 CY P.S.	480 HP D	429,042	94.49	124.04	28.70	45.21	9.74	53.80	12.81	1012								
8690	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	276,190	62.64	82.80	18.67	29.49	6.18	35.13	8.02	544									
8695	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	455,361	107.21	141.67	30.78	48.62	13.28	57.89	17.23	960									
8700	TS-24C 40.8T 24-34 CY P.S. 480/260 HP D/D	558,668	130.58	172.30	37.80	59.74	15.88	71.15	20.60	1119									
<b>SCRAPER, TRACTOR DRAWN</b> *****																			
<b>M-R-S</b>																			
8715	PS-80 11T 9 CY HYDR./CONTROL		62,363	11.35	13.55	3.57	5.34	0.00	6.08	0.00	245								
8720	PS-90 17T 14 CY HYDR./CONTROL		85,062	15.52	18.58	4.82	7.18	0.00	8.16	0.00	320								
8725	PS-100 22T 18 CY HYDR./CONTROL		99,470	18.18	21.76	5.64	8.40	0.00	9.55	0.00	370								

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					
<b>SCRAPER, TRACTOR DRAWN (CONT'D)</b> *****														
<b>ROME</b>														
8735	R67H 18T 12-17CY HYDR/CONTROL	77,954	14.17	16.82	4.54	6.83	0.00	7.78	0.00	235				
8740	R89H 27T 18-26CY HYDR/CONTROL	103,482	18.71	21.37	5.91	8.82	0.00	10.03	0.00	365				
<b>SOUTHWEST-HUME</b>														
8750	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	37,413	6.66	7.98	2.14	3.19	0.00	3.64	0.00	137				
<b>SOIL STABILIZER</b> *****														
<b>BOMAG</b>														
8765	MOD MPH-50 12"DEEP BY 82"WIDE 152 HP D	100,585	23.21	30.25	6.81	10.66	3.44	12.67	4.50	208				
8770	MOD MPH-100 14.5"DEEP X 79"WIDE 304 HP D	163,242	39.89	52.27	10.99	17.17	6.88	20.37	8.99	300				
<b>BROS</b>														
8780	MOD LSPRM-8A MASTER MIXER 19" DP 335 HP D	156,798	38.35	49.55	10.69	16.77	7.58	19.92	9.91	300				
<b>TRACTOR, CRAWLER (DOZER)</b> ***** (ADD ATTACHMENTS TO TRACTOR)														
<b>CASE</b>														
8795	450C P.S. POWER ANGLE/TILT DOZER 63 HP D	44,018	11.39	14.62	2.93	4.52	1.50	5.35	1.97	118				
8800	850C P.S. HYDR. ANGLE/TILT DOZER 78 HP D	63,355	15.98	20.50	4.22	6.51	1.85	7.70	2.44	171				
8805	1150D P.S. HYDR. ANGLE/TILT DOZER 110 HP D	90,947	22.88	29.35	6.06	9.34	2.62	11.05	3.45	239				
8810	1450B P.S. POWER ANGLE/TILT DOZER 140 HP D	127,208	31.57	40.45	8.48	13.08	3.33	15.46	4.38	330				
<b>CATERPILLAR</b>														
8820	D-3B TRACTOR P.S. 65 HP D	39,496	10.50	13.48	2.63	4.06	1.55	4.80	2.04	127				
8825	D-3B LGP (LOW GROUND PRESSURE) 65 HP D	44,789	11.62	14.91	2.98	4.60	1.55	5.44	2.04	140				
8830	3P -POWER ANGLE & POWER TILT	8,119	1.60	2.03	0.56	0.87	0.00	1.04	0.00	24				
8835	53 -WINCH (W/O CABLE)	5,859	1.18	1.49	0.40	0.63	0.00	0.75	0.00	9				
8840	D-4H TRACTOR P.S. 90 HP D	49,970	13.52	17.39	3.33	5.13	2.14	6.08	2.82	184				
8845	D-4H LGP (LOW GROUND PRESSURE) 90 HP D	56,499	14.91	19.15	3.76	5.80	2.14	6.87	2.82	213				

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					
<b>TRACTOR, CRAWLER (DOZER) (CONT'D)</b> ***** <b>(ADD ATTACHMENTS TO TRACTOR)</b>														
<b>CATERPILLAR (CONT'D)</b>														
8850	4S -STRAIGHT BLADE HYDRAULIC	8,169	1.61	2.04	0.56	0.88	0.00	1.04	0.00	33				
8855	4A -ANGLE BLADE HYDRAULIC	9,218	1.81	2.29	0.63	0.99	0.00	1.18	0.00	34				
8860	54 -WINCH (W/O CABLE)	16,662	3.20	4.07	1.14	1.79	0.00	2.12	0.00	18				
8865	D-5H TRACTOR P.S. 120 HP D	83,056	21.52	27.64	5.53	8.53	2.85	10.10	3.76	225				
8870	D-5H LGP (LOW GROUND PRESSURE)	120 HP D	95,045	24.08	30.88	6.34	9.77	2.85	11.55	3.76	283			
8875	5S -STRAIGHT BLADE HYDRAULIC	9,993	1.95	2.47	0.68	1.07	0.00	1.27	0.00	40				
8880	5A -ANGLE BLADE HYDRAULIC	11,312	2.19	2.79	0.77	1.21	0.00	1.44	0.00	48				
8885	55 -WINCH (W/O CABLE)	15,390	2.96	3.77	1.05	1.65	0.00	1.96	0.00	18				
8890	D-6D TRACTOR P.S. 140 HP D	103,832	26.59	34.10	6.92	10.67	3.33	12.61	4.38	288				
8895	D-6D SA (SPECIAL APPLICATION)	165 HP D	110,222	28.75	36.91	7.35	11.33	3.92	13.39	5.17	302			
8900	D-6H TRACTOR P.S. 165 HP D	114,495	29.66	38.08	7.63	11.77	3.92	13.92	5.17	349				
8905	D-6H LGP (LOW GROUND PRESSURE)	165 HP D	127,737	32.46	41.66	8.51	13.12	3.92	15.52	5.17	372			
8910	6S -STRAIGHT BLADE HYDRAULIC	13,779	2.66	3.39	0.95	1.48	0.00	1.76	0.00	50				
8915	6A -ANGLE BLADE HYDRAULIC	14,136	2.73	3.48	0.97	1.52	0.00	1.81	0.00	57				
8920	56 -WINCH (W/O CABLE)	18,826	3.60	4.59	1.29	2.02	0.00	2.40	0.00	25				
8925	D-7G TRACTOR P.S. 200 HP D	150,622	38.48	49.35	10.04	15.48	4.76	18.30	6.26	384				
8930	D-7G SA (SPECIAL APPLICATION)	250 HP D	162,922	42.69	54.81	10.85	16.74	5.94	19.79	7.83	411			
8935	D-7H TRACTOR P.S. 215 HP D	173,139	43.75	56.09	11.54	17.80	5.11	21.04	6.73	415				
8940	D-7H LGP (LOW GROUND PRESSURE)	215 HP D	200,480	49.55	63.50	13.36	20.60	5.11	24.36	6.73	470			
8945	7S -STRAIGHT BLADE HYDRAULIC	21,484	4.09	5.23	1.47	2.30	0.00	2.74	0.00	76				
8950	7U -UNIVERSAL BLADE HYDRAULIC	23,599	4.50	5.74	1.62	2.54	0.00	3.01	0.00	84				
8955	7A -ANGLE BLADE HYDRAULIC	22,269	4.25	5.42	1.53	2.39	0.00	2.84	0.00	68				
8960	57 -WINCH (W/O CABLE)	23,941	4.58	5.84	1.64	2.57	0.00	3.05	0.00	37				
8965	D-8L TRACTOR P.S. 335 HP D	260,268	61.49	79.06	17.80	27.93	7.97	33.18	10.49	735				
8970	D-8L SA (SPECIAL APPLICATION)	400 HP D	269,617	65.31	84.02	18.45	28.94	9.51	34.37	12.53	777			
8975	8S -STRAIGHT BLADE HYDRAULIC	33,852	6.45	8.23	2.32	3.63	0.00	4.31	0.00	123				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP				
<b>TRACTOR, CRAWLER (DOZER) (CONT'D)</b>													
<b>*****</b>													
(ADD ATTACHMENTS TO TRACTOR)													
<b>CATERPILLAR (CONT'D)</b>													
8980	8U	-UNIVERSAL BLADE HYDRAULIC	37,313	7.11	9.08	2.55	4.00	0.00	4.76	0.00	136		
8985	8A	-ANGLE BLADE HYDRAULIC	34,922	6.67	8.50	2.39	3.75	0.00	4.45	0.00	136		
8990		-PUSH PLATE USE W/8S	942	0.23	0.28	0.07	0.10	0.00	0.12	0.00	6		
8995	58	-WINCH (W/O CABLE)	25,741	4.96	6.32	1.76	2.76	0.00	3.28	0.00	44		
9000	D-9L TRACTOR	P.S. 460 HP D	347,452	73.41	91.38	21.78	33.85	10.94	38.86	14.41	1004		
9005	9S	-STRAIGHT BLADE HYDRAULIC	45,725	8.75	11.15	3.13	4.91	0.00	5.83	0.00	191		
9010	9U	-UNIVERSAL BLADE HYDRAULIC	47,032	8.99	11.47	3.22	5.05	0.00	6.00	0.00	195		
9015	9C	-CUSHION BLADE	39,207	7.50	9.55	2.69	4.21	0.00	4.99	0.00	160		
9020		-REAR CUSHION PUSH BLOCK	11,585	2.28	2.90	0.79	1.24	0.00	1.48	0.00	41		
9025		-FRONT PUSH PLATE	1,266	0.32	0.38	0.09	0.14	0.00	0.16	0.00	9		
9030	59	-WINCH (W/O CABLE)	27,870	5.41	6.88	1.91	2.99	0.00	3.55	0.00	45		
9035	D-10 TRACTOR	P.S. 700 HP D	584,234	121.27	150.79	36.63	56.92	16.65	65.34	21.92	1539		
9040	10S	-STRAIGHT BLADE HYDRAULIC	70,083	13.39	17.08	4.80	7.52	0.00	8.94	0.00	286		
9045	10U	-UNIVERSAL BLADE HYDRAULIC	77,022	14.71	18.75	5.27	8.27	0.00	9.82	0.00	292		
9050		-FRONT PUSH PLATE	1,456	0.35	0.42	0.10	0.15	0.00	0.18	0.00	8		
9055	10C	-CUSHION BLADE	50,073	9.58	12.20	3.43	5.38	0.00	6.38	0.00	198		
9060	D-11N TRACTOR	P.S. 770 HP D	627,444	130.78	162.66	39.34	61.14	18.31	70.17	24.12	1622		
9065	11S	-STRAIGHT BLADE HYDRAULIC	74,419	14.32	18.24	5.09	7.98	0.00	9.49	0.00	351		
9070	10U	-UNIVERSAL BLADE HYDRAULIC	79,989	15.39	19.59	5.48	8.59	0.00	10.19	0.00	400		
<b>FIAT-ALLIS</b>													
9080	FD5 P.S. W/HYD. ANGLE TILT BLADE	63 HP D	45,836	11.78	15.11	3.06	4.71	1.50	5.57	1.97	140		
9085	FD7 P.S. W/POW. ANGLE TILT BLADE	78 HP D	54,868	14.18	18.20	3.66	5.64	1.85	6.67	2.44	175		
9090	8-B P.S.	88 HP D	58,949	15.37	19.74	3.93	6.06	2.09	7.17	2.76	215		
9095	8-HA	ANGLE BLADE HYDRAULIC	9,147	1.79	2.28	0.63	0.98	0.00	1.17	0.00	30		
9100	8-HSU	SEMI-U BLADE HYDRAULIC	9,135	1.76	2.25	0.63	0.98	0.00	1.17	0.00	30		
9105	FD9 P.S. W/SEMI-U TILT BLADE	107 HP D	78,650	20.18	25.89	5.25	8.09	2.54	9.56	3.35	239		

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					
<b>TRACTOR, CRAWLER (DOZER) (CONT'D)</b>														
***** (ADD ATTACHMENTS TO TRACTOR)														
FIAT-ALLIS (CONT'D)														
9110	10-C P.S.	122 HP D	82,559	21.49	27.58	5.51	8.49	2.90	10.03	3.82	280			
9115	10-HA ANGLE BLADE HYDRAULIC		10,190	1.98	2.52	0.70	1.09	0.00	1.30	0.00	36			
9120	10-HSU SEMI-U BLADE HYDRAULIC		12,452	2.38	3.04	0.86	1.34	0.00	1.59	0.00	38			
9125	14-C P.S.	150 HP D	110,154	28.26	36.25	7.34	11.32	3.57	13.38	4.70	335			
9130	14-HA ANGLE BLADE HYDRAULIC		15,590	2.99	3.82	1.07	1.67	0.00	1.99	0.00	51			
9135	14-HSU SEMI-U BLADE HYDRAULIC		15,565	2.96	3.78	1.07	1.67	0.00	1.98	0.00	51			
9140	FD 20 P.S.	223 HP D	163,938	42.05	53.93	10.93	16.85	5.30	19.91	6.98	535			
9145	20-HA ANGLE BLADE HYDRAULIC		16,628	3.19	4.07	1.14	1.78	0.00	2.12	0.00	66			
9150	20-HS STRAIGHT BLADE HYDRAULIC		17,454	3.34	4.27	1.19	1.87	0.00	2.23	0.00	66			
9155	20-HSU SEMI-U BLADE HYDRAULIC		23,663	4.48	5.72	1.62	2.54	0.00	3.01	0.00	79			
9160	FD 30 P.S.	300 HP D	247,167	57.84	74.36	16.90	26.52	7.13	31.51	9.40	775			
9165	30HSU SEMI-U BLADE HYDRAULIC		33,000	6.29	8.03	2.26	3.54	0.00	4.21	0.00	127			
9170	30-HU FULL-U BLADE HYDRAULIC		33,454	6.36	8.11	2.29	3.59	0.00	4.26	0.00	114			
9175	FD40 P.S.	455 HP D	356,446	74.81	93.09	22.35	34.73	10.82	39.87	14.25	1128			
9180	40-HSU SEMI-U BLADE HYDRAULIC		49,979	9.57	12.20	3.42	5.36	0.00	6.37	0.00	222			
9185	40-HU FULL-U BLADE HYDRAULIC		51,355	9.86	12.56	3.51	5.51	0.00	6.55	0.00	254			
9190	40-HC CUSHION BLADE		31,900	6.09	7.76	2.18	3.42	0.00	4.06	0.00	120			
9195	FD 50 P.S.	525 HP D	478,980	97.98	121.74	30.03	46.67	12.48	53.58	16.44	1280			
9200	50-HSU SEMI-U BLADE HYDRAULIC		57,687	11.05	14.08	3.95	6.19	0.00	7.35	0.00	250			
9205	50-HU FULL-U BLADE HYDRAULIC		66,011	12.61	16.07	4.52	7.09	0.00	8.41	0.00	280			
9210	50-HC CUSHION BLADE		36,724	6.99	8.92	2.51	3.94	0.00	4.68	0.00	140			
INTERNATIONAL/DRESSER														
9220	TD-7-E P.S. W/HYD BLADE	65 HP D	49,803	12.69	16.27	3.32	5.12	1.55	6.05	2.04	139			
9225	TD-8-E P.S. W/HYD BLADE	78 HP D	63,597	16.04	20.56	4.24	6.54	1.85	7.73	2.44	172			
9230	TD-12 P.S. W/HYD BLADE	110 HP D	95,432	23.84	30.56	6.36	9.81	2.62	11.59	3.45	272			
9235	TD-15-C P.S.	140 HP D	117,463	29.49	37.80	7.83	12.07	3.33	14.27	4.38	271			

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					
<b>TRACTOR, CRAWLER (DOZER) (CONT'D)</b>													
***** (ADD ATTACHMENTS TO TRACTOR)													
INTERNATIONAL/DRESSER (CONT'D)													
9240	15D-2 SEMI-U BLADE HYDRAULIC	12,726	2.44	3.10	0.88	1.37	0.00	1.62	0.00	46			
9245	15G-2 ANGLE BLADE HYDRAULIC	14,346	2.73	3.49	0.98	1.54	0.00	1.83	0.00	50			
9250	TD-20-E P.S. 210 HP D	181,234	45.29	58.08	12.07	18.62	4.99	22.02	6.58	476			
9255	20D-2 SEMI-U BLADE HYDRAULIC	22,479	4.25	5.44	1.54	2.41	0.00	2.87	0.00	61			
9260	20G-2 ANGLE BLADE HYDRAULIC	15,241	2.91	3.70	1.05	1.64	0.00	1.94	0.00	71			
9265	TD-25-G P.S. 320 HP D	233,186	55.69	71.63	15.95	25.02	7.61	29.73	10.02	700			
9270	25D-2 SEMI-U BLADE HYDRAULIC	27,753	5.29	6.75	1.90	2.98	0.00	3.54	0.00	113			
9275	25G-2 ANGLE BLADE HYDRAULIC	22,957	4.42	5.62	1.58	2.47	0.00	2.92	0.00	115			
9280	FRONT PUSHER CUSHION	9,612	1.88	2.39	0.66	1.03	0.00	1.23	0.00	29			
9285	REAR PUSHER CUSHION	5,595	1.18	1.47	0.38	0.60	0.00	0.71	0.00	23			
9290	FRONT PUSH BLK FOR S/BLD	889	0.25	0.30	0.07	0.10	0.00	0.12	0.00	12			
JOHN DEERE													
9300	JD350C/6305 D.D. W/HYD BLADE	42 HP D	35,392	8.88	11.38	2.36	3.64	1.00	4.30	1.32	107		
9305	JD450E/6405 D.D. W/HYD BLADE	70 HP D	46,796	12.20	15.67	3.12	4.81	1.66	5.69	2.19	147		
9310	JD550B/6405 P.S. W/HYD BLADE	78 HP D	55,294	14.27	18.31	3.68	5.68	1.85	6.72	2.44	156		
9315	JD750B H.S. W/HYD BLADE	120 HP D	86,184	22.20	28.47	5.75	8.86	2.85	10.47	3.76	291		
9320	JD750B LPG H.S. W/TILT BLADE	120 HP D	90,014	23.01	29.51	6.00	9.25	2.85	10.93	3.76	313		
9325	JD850B H.S. W/TILT BLADE	165 HP D	115,226	29.81	38.27	7.68	11.84	3.92	14.00	5.17	363		
9330	JD850B LPG H.S. W/TILT BLADE	165 HP D	127,727	32.46	41.66	8.51	13.12	3.92	15.52	5.17	435		
KOMATSU													
9340	D31A-17 H.S.	66 HP D	40,415	10.72	13.77	2.69	4.15	1.57	4.91	2.07	132		
9345	ANGLE TILTDOZER BLADE		6,545	1.37	1.72	0.45	0.70	0.00	0.84	0.00	20		
9350	D41A-3 H.S.	90 HP D	60,954	15.87	20.36	4.07	6.27	2.14	7.41	2.82	231		
9355	Straight TiltDozer Blade		7,110	1.48	1.85	0.49	0.76	0.00	0.90	0.00	24		
9360	D53A-17 H.S.	124 HP D	93,892	23.96	30.73	6.26	9.65	2.95	11.40	3.88	246		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION	STAND BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND. FUEL	SEVERE COND. OWNER-SHIP	
	TRACTOR, CRAWLER (DOZER) (CONT'D) ***** (ADD ATTACHMENTS TO TRACTOR)									
	KOMATSU (CONT'D)									
9365	ANGLE TILTDOZER BLADE	7,829	1.61	2.03	0.54	0.84	0.00	1.00	0.00	42
9370	D65E-7 H.S. 165 HP D	132,043	33.39	42.82	8.80	13.57	3.92	16.04	5.17	377
9375	ANGLE TILTDOZER BLADE	10,235	2.07	2.61	0.70	1.10	0.00	1.31	0.00	61
9380	D85E-18 H.S. 220 HP D	183,981	46.21	59.26	12.26	18.91	5.23	22.36	6.89	437
9385	ANGLE TILTDOZER BLADE	16,024	3.18	4.02	1.10	1.72	0.00	2.04	0.00	99
9390	U-DOZER BLADE	17,095	3.39	4.30	1.17	1.83	0.00	2.18	0.00	104
9395	D155A-1 H.S. 320 HP D	258,371	60.65	77.98	17.67	27.72	7.61	32.94	10.02	690
9400	ANGLE TILTDOZER BLADE	22,002	4.46	5.61	1.51	2.36	0.00	2.80	0.00	140
9405	U-DOZER BLADE	23,226	4.68	5.91	1.59	2.49	0.00	2.96	0.00	142
9410	D355A-3 H.S. 410 HP D	332,030	77.91	100.16	22.70	35.62	9.75	42.32	12.84	945
9415	U-DOZER BLADE	29,918	6.00	7.57	2.05	3.21	0.00	3.81	0.00	196
9420	Straight DOZER BLADE	27,253	5.67	7.11	1.86	2.92	0.00	3.47	0.00	184
9425	D455A-1 H.S. 620 HP D	537,451	110.84	137.80	33.69	52.36	14.74	60.11	19.42	1445
9430	FULL U-DOZER BLADE	71,504	14.03	17.78	4.90	7.68	0.00	9.12	0.00	229
9435	U-DOZER BLADE	67,193	13.18	16.72	4.60	7.21	0.00	8.57	0.00	211
9440	Straight DOZER BLADE	62,882	12.35	15.67	4.30	6.74	0.00	8.02	0.00	193
	TEREX (GM)									
9450	D700A P.S. (W/O BLADE) 205 HP D	160,336	40.69	52.20	10.69	16.48	4.87	19.48	6.42	409
9455	SEMI-U BLADE HYDRAULIC	15,793	3.01	3.84	1.09	1.70	0.00	2.02	0.00	58
9460	ANGLE BLADE HYDRAULIC	17,695	3.36	4.29	1.21	1.90	0.00	2.25	0.00	69
9465	FULL-U BLADE HYDRAULIC	18,110	3.44	4.39	1.24	1.94	0.00	2.31	0.00	68
9470	D750 P.S. (W/O BLADE) 260 HP D	187,000	44.77	57.57	12.79	20.07	6.18	23.84	8.14	555
9475	SEMI-U BLADE HYDRAULIC	22,347	4.23	5.40	1.53	2.40	0.00	2.84	0.00	91
9480	ANGLE BLADE HYD. W/DUAL TILT	29,311	5.53	7.07	2.00	3.14	0.00	3.73	0.00	118
9485	FULL-U BLADE HYDRAULIC	24,407	4.62	5.90	1.67	2.62	0.00	3.11	0.00	107
9490	D800 P.S. (W/O BLADE) 350 HP D	250,881	60.09	77.29	17.16	26.92	8.32	31.98	10.96	787

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				ONT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>TRACTOR, CRAWLER (DOZER) (CONT'D)</b>														
<b>*****</b>														
<b>(ADD ATTACHMENTS TO TRACTOR)</b>														
<b>TEREX (GM) (CONT'D)</b>														
9495	SEMI-U BLADE HYDRAULIC	29,195	5.58	7.12	2.00	3.13	0.00	3.72	0.00	118				
9500	FULL-U BLADE HYDRAULIC	32,005	6.11	7.80	2.19	3.43	0.00	4.08	0.00	129				
9505	CUSHIONED PUSH BLADE	27,970	5.34	6.81	1.91	3.00	0.00	3.56	0.00	113				
9510	PUSH PLATE (WELD ON)	1,182	0.26	0.34	0.08	0.12	0.00	0.16	0.00	6				
9515	PUSH BLOCK (CUSHION REAR)	7,473	1.51	1.91	0.51	0.80	0.00	0.96	0.00	21				
<b>TRACTOR, WHEEL TYPE (DOZER)</b>														
<b>*****</b>														
<b>CATERPILLAR</b>														
9530	814-B ARTICULATED ST BLADE P.S. 210 HP D	166,184	35.86	47.49	11.39	18.08	4.63	21.55	6.09	465				
9535	824-C ARTICULATED ST BLADE P.S. 310 HP D	241,601	54.15	74.02	16.24	25.63	6.83	30.51	8.99	624				
9540	834-B ARTICULATED ST BLADE P.S. 450 HP D	357,984	77.50	104.51	23.90	37.67	9.92	44.84	13.05	892				
<b>CLARK</b>														
9550	280B ARTICULATED ST BLADE P.S. 302 HP D	257,441	57.19	78.55	17.25	27.21	6.66	32.40	8.76	749				
9555	380B ARTICULATED ST BLADE P.S. 572 HP D	435,563	94.99	128.07	29.08	45.83	12.61	54.54	16.59	1253				
<b>TRACTOR, WHEEL TYPE (FARM)</b>														
<b>*****</b>														
<b>JOHN DEERE</b>														
9570	MOD 401 D	62 HP D	19,530	5.22	6.84	1.34	2.13	1.37	2.54	1.80				
9575	MOD 2150	50 HP D	16,047	4.33	5.79	1.09	1.72	1.10	2.06	1.45				
9580	MOD 2350	62 HP D	17,664	4.97	6.60	1.20	1.90	1.37	2.26	1.80				
9585	MOD 2750	83 HP D	21,640	6.19	8.18	1.48	2.35	1.83	2.81	2.41				

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					
TRENCHER, CHAIN														
*****														
DITCH WITCH														
9600	MOD C99 6"X24" TRENCH	9 HP G	3,476	1.31	1.68	0.23	0.36	0.49	0.42	0.64				
9605	MOD 2200 8"X36" TRENCH	18 HP G	14,146	4.01	5.13	0.97	1.52	0.99	1.80	1.28				
9610	MOD 2300 10"X36" TRENCH	28 HP G	19,669	5.76	7.42	1.34	2.11	1.53	2.51	2.00				
9615	MOD 6510 12"X54" TRENCH	64 HP D	35,932	8.77	11.31	2.44	3.82	1.41	4.54	1.86				
9620	MOD R100 10"X72" TRENCH	105 HP D	73,523	17.18	22.09	5.00	7.85	2.31	9.34	3.04				
VERMEER														
9630	MOD V-430 10"X40" TRENCH	24 HP D	24,109	5.32	6.83	1.65	2.59	0.53	3.08	0.70				
9635	MOD M-455 18"X72" TRENCH	44 HP D	47,374	10.40	13.36	3.22	5.06	0.97	6.02	1.28				
9640	MOD M-475 18"X72" TRENCH	55 HP D	52,360	11.67	14.99	3.57	5.61	1.21	6.67	1.59				
9645	MOD T-600024"X96" TRENCH	113 HP D	82,863	19.07	24.46	5.72	9.01	2.49	10.72	3.28				
9650	MOD T-800B36"X96" TRENCH	175 HP D	162,418	36.06	46.19	11.20	17.66	3.86	21.01	5.07				
TRENCHER, WHEEL TYPE														
*****														
BARBER-GREENE														
9665	MOD TA 56 16"X5'-10" TRENCH	100 HP D	147,078	31.00	39.66	10.14	15.99	2.20	19.02	2.90				
9670	MOD TA 65 28"X7'-6" TRENCH	160 HP D	212,786	45.28	57.95	14.67	23.13	3.53	27.52	4.64				
9675	MOD TA 77 32"X8'-6" TRENCH	160 HP D	280,879	58.33	74.60	19.36	30.53	3.53	36.33	4.64				
CLEVELAND														
9685	MOD 236 16"X72" TRENCH	67 HP D	105,944	22.19	28.37	7.31	11.52	1.48	13.70	1.94				
9690	MOD 236HD 16"X72" TRENCH	67 HP D	114,484	23.83	30.46	7.90	12.45	1.48	14.80	1.94				
9695	MOD 246 22"X72" TRENCH	67 HP D	118,511	24.60	31.44	8.18	12.89	1.48	15.32	1.94				
9700	MOD 7036 28"X84" TRENCH	102 HP D	148,120	31.26	40.00	10.21	16.10	2.25	19.16	2.96				
9705	MOD 400WHD36"X114" TRENCH	175 HP D	276,759	57.96	74.14	19.08	30.08	3.86	35.79	5.07				

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		
	TRUCKS, HIGHWAY ***** (CHASSIS ONLY)										
	FORD										
9720	F150 4X2 1/2T PKUP	6100 GVW 137 HP G	9,122	4.67	6.00	0.84	1.38	1.71	1.60	2.27	38
9725	F150 4X4 1/2T PKUP	6250 GVW 137 HP G	11,335	5.27	6.77	1.04	1.72	1.71	2.00	2.27	42
9730	F250 4X2 3/4T PKUP	6900 GVW 137 HP G	10,050	4.95	6.34	0.92	1.51	1.71	1.76	2.27	40
9735	F250 4X4 3/4T PKUP	7400 GVW 137 HP G	11,836	5.45	6.99	1.09	1.79	1.71	2.08	2.27	44
9740	F350 2AX	10000 GVW 137 HP G	10,753	5.19	6.66	0.97	1.59	1.71	1.85	2.27	42
9745	F600 2AX	21200 GVW 180 HP G	21,800	11.31	14.85	1.62	2.56	5.23	3.22	6.72	80
9750	F600 2AX	21200 GVW 170 HP D	23,637	8.51	11.31	1.76	2.79	2.89	3.49	3.76	80
9755	F700 2AX	23100 GVW 180 HP G	22,680	11.48	15.07	1.69	2.67	5.23	3.35	6.72	75
9760	F700 2AX	23100 GVW 170 HP D	27,421	9.23	12.32	2.05	3.25	2.89	4.09	3.76	75
9765	F800 2AX	32000 GVW 213 HP G	27,806	13.77	18.09	2.07	3.28	6.19	4.12	7.96	84
9770	F800 2AX	32000 GVW 210 HP D	38,156	12.46	16.63	2.81	4.45	3.57	5.59	4.64	85
9775	LT800 3AX	43000 GVW 223 HP G	37,437	20.76	27.29	2.85	4.57	9.62	5.77	12.40	110
9780	LT8000 3AX	52400 GVW 240 HP D	61,433	20.80	27.79	4.73	7.62	6.12	9.61	7.96	136
9785	LTS8000 3AX	54000 GVW 240 HP D	59,914	20.51	27.40	4.60	7.40	6.12	9.35	7.96	139
9790	LNT8000 3AX	54000 GVW 240 HP D	60,645	20.65	27.59	4.65	7.49	6.12	9.47	7.96	134
9795	CT8000 3AX	46000 GVW 175 HP D	59,285	18.26	24.46	4.55	7.32	4.46	9.25	5.80	136
9800	LT9000 3AX 58000 GVW	82000 GOW 350 HP D	84,096	29.19	38.98	6.46	10.41	8.92	13.15	11.60	154
9805	LTS9000 3AX 60000 GVW	82000 GOW 239 HP D	82,945	25.40	34.01	6.35	10.22	6.09	12.90	7.92	180
9810	LNT9000 3AX 50000 GVW	82000 GOW 350 HP D	79,794	28.40	37.86	6.11	9.82	8.92	12.38	11.60	145
9815	CLT9000 3AX 46000 GVW	82000 GOW 400 HP D	95,918	33.06	44.16	7.43	11.99	10.20	15.15	13.26	153
	GMC AND CHEVROLET										
9825	S10 4X2 COMPACT PKUP	3500 GVW 92 HP G	8,930	3.91	5.01	0.82	1.35	1.15	1.56	1.53	26
9830	S10 4X4 COMPACT PKUP	3800 GVW 92 HP G	10,663	4.36	5.58	0.98	1.61	1.15	1.88	1.53	29
9835	C10903 4X2 1/2T PKUP	6100 GVW 165 HP G	9,954	5.34	6.90	0.92	1.51	2.05	1.75	2.74	46
9840	C10906 4X2 SUBURBAN	8600 GVW 165 HP G	13,916	6.38	8.20	1.28	2.12	2.05	2.47	2.74	47
9845	K10906 4X4 SUBURBAN	8600 GVW 165 HP G	15,795	6.89	8.85	1.46	2.41	2.05	2.81	2.74	50

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					
TRUCKS, HIGHWAY (CONT'D)													
***** (CHASSIS ONLY)													
GMC AND CHEVROLET (CONT'D)													
9850	C20903 4X2 3/4T PKUP	8600 GVW 165 HP G	11,609	5.77	7.44	1.07	1.76	2.05	2.05	2.74	41		
9855	K20903 4X4 3/4T PKUP	8600 GVW 165 HP G	13,444	6.30	8.08	1.24	2.05	2.05	2.38	2.74	49		
9860	C30903 2AX	9000 GVW 165 HP G	13,643	6.40	8.22	1.24	2.04	2.05	2.37	2.74	49		
9865	CSD042 2AX	15000 GVW 163 HP G	21,486	10.61	13.94	1.59	2.52	4.74	3.17	6.09	54		
9870	C6D042 2AX	24000 GVW 163 HP G	25,260	11.34	14.94	1.89	2.99	4.74	3.76	6.09	62		
9875	C6D042 2AX	24000 GVW 165 HP D	30,737	9.77	13.05	2.31	3.67	2.80	4.60	3.65	71		
9880	C7D042 2AX	24000 GVW 210 HP G	25,281	13.16	17.26	1.88	2.97	6.10	3.73	7.84	66		
9885	C7D042 2AX	24000 GVW 165 HP D	29,092	9.58	12.78	2.15	3.40	2.80	4.27	3.65	70		
9890	C7D064 3AX	41000 GVW 212 HP G	38,022	20.42	26.82	2.86	4.58	9.15	5.77	11.79	98		
9895	C7D064 3AX	41000 GVW 205 HP D	46,787	16.76	22.35	3.56	5.71	5.23	7.21	6.80	105		
9900	J8C042 2AX	34000 GVW 178 HP D	47,556	15.85	21.17	3.65	5.87	4.54	7.42	5.90	94		
9905	J8C064 3AX	46000 GVW 175 HP D	56,272	17.67	23.64	4.31	6.94	4.46	8.76	5.80	122		
9910	J9C042 2AX	35000 GVW 304 HP D	67,511	20.13	26.95	5.08	8.08	5.17	10.16	6.72	112		
9915	J9C064 3AX	48860 GVW 304 HP D	77,019	25.99	34.75	5.96	9.62	7.75	12.16	10.08	139		
9920	N9E064 3AX	44860 GVW 304 HP D	78,037	26.40	35.24	5.98	9.63	7.75	12.17	10.08	133		
9925	N9E064 3AX	62000 GVW 307 HP D	79,000	26.82	35.78	6.04	9.72	7.83	12.27	10.18	180		
INTERNATIONAL													
9935	1654 2AX	16000 GVW 155 HP D	19,886	7.38	9.80	1.49	2.36	2.63	2.96	3.43	57		
9940	1724 2AX	16000 GVW 147 HP G	17,754	9.20	12.07	1.33	2.10	4.27	2.64	5.49	65		
9945	1754 2AX	16000 GVW 165 HP D	25,557	8.69	11.58	1.93	3.07	2.80	3.85	3.65	71		
9950	1954 2AX	21700 GVW 180 HP D	32,250	10.38	13.86	2.42	3.85	3.06	4.84	3.98	100		
9955	F2554 3AX	43000 GVW 210 HP D	51,557	17.87	23.84	3.94	6.33	5.35	7.98	6.96	123		
9960	F2574 3AX	50000 GVW 230 HP D	68,191	21.82	29.20	5.26	8.48	5.86	10.71	7.62	123		
9965	F4370 3AX	48860 GVW 300 HP D	71,574	24.79	33.10	5.53	8.92	7.65	11.27	9.94	133		
9970	F5050 3AX	54000 GVW 210 HP D	69,690	21.47	28.77	5.38	8.67	5.35	10.96	6.96	138		
9975	F5070 3AX	54000 GVW 230 HP D	72,837	22.75	30.46	5.63	9.08	5.86	11.47	7.62	140		

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					
<b>TRUCKS, HIGHWAY (CONT'D)</b>														
<b>(CHASSIS ONLY)</b>														
<b>KENWORTH</b>														
9985	K100 3AX 48000 GVW 85000 GOW 300 HP D	83,663	27.27	36.48	6.47	10.44	7.65	13.19	9.94	138				
9990	W900 3AX 48000 GVW 85000 GOW 300 HP D	80,728	26.69	35.68	6.24	10.06	7.65	12.71	9.94	140				
9995	C500 3AX 56000 GVW 85000 GOW 270 HP D	83,018	26.17	35.04	6.42	10.36	6.88	13.08	8.95	144				
<b>PETERBILT</b>														
10055	MOD 348H 3AX 46000 GVW 85000 GOW 300 HP D	74,157	25.66	34.27	5.68	9.14	7.65	11.54	9.94	159				
10060	MOD 362 3AX 46000 GVW 85000 GOW 300 HP D	79,652	26.48	35.39	6.15	9.92	7.65	12.54	9.94	142				
10065	MOD 359 3AX 46000 GVW 85000 GOW 300 HP D	76,749	25.91	34.60	5.93	9.55	7.65	12.06	9.94	139				
10070	MOD 353 3AX 54000 GVW 130000 GOW 350 HP D	97,354	31.62	42.32	7.56	12.21	8.92	15.43	11.60	174				
<b>TRUCK ACCESSORIES</b>														
<b>(CHASSIS NOT INCLUDED)</b>														
<b>CRANES, HYDRAULIC</b>														
10085	5.3T@5'RAD 24000 GVW MIN	26,890	5.78		2.14	3.47	0.00			79				
10090	8.0T@3'RAD 26500 GVW MIN	32,315	6.93		2.57	4.17	0.00			84				
10095	12.5T@4'RAD 27000 GVW MIN	50,051	10.67		3.98	6.45	0.00			142				
10100	13.5T@4'RAD 44000 GVW MIN	61,889	13.16		4.91	7.97	0.00			158				
10105	15.0T@4'RAD 48000 GVW MIN	68,484	14.55		5.44	8.82	0.00			211				
<b>DUMP BODY, REAR, W/HOIST</b>														
10115	5CY 24000 TO 26000 GVW	6,449	1.45	1.95	0.51	0.83	0.00	1.05	0.00	26				
10120	AIR GATE 8CY 27000 TO 30000 GVW	10,194	2.25	3.03	0.82	1.32	0.00	1.66	0.00	44				
10125	AIR GATE 10CY 36000 AND UP GVW	10,310	2.27	3.06	0.82	1.33	0.00	1.68	0.00	45				
10130	AIR GATE 12CY 36000 AND UP GVW	10,457	2.29	3.11	0.83	1.34	0.00	1.71	0.00	46				
<b>FLATBEDS W/CONT. SIDES</b>														
10140	8'x9.5'	2,078	0.44		0.17	0.27	0.00			11				
10145	8'x10.5'	2,144	0.45		0.17	0.27	0.00			12				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
<b>TRUCK ACCESSORIES (CONT'D)</b>																			
<b>*****</b>																			
<b>(CHASIS NOT INCLUDED)</b>																			
<b>FLATBEDS W/CONT. SIDES (CONT'D)</b>																			
10150	8'X12.5'	2,345	0.49		0.19	0.30	0.00			14									
10155	8'X14.5'	2,786	0.59		0.22	0.36	0.00			16									
10160	8'X16.5'	3,053	0.64		0.24	0.39	0.00			18									
10165	FLATBED-HOIST	2,892	0.62		0.24	0.38	0.00			10									
<b>HOISTS, ELECTRIC</b>																			
10175	1500LB@1.75'	2,462	0.60		0.19	0.31	0.00			4									
10180	2400LB@3'	2,863	0.70		0.23	0.37	0.00			6									
10185	5000LB@4'	7,911	1.76		0.63	1.02	0.00			15									
10190	6000LB@6'	8,923	1.97		0.71	1.15	0.00			14									
<b>TRANSIT MIXERS</b>																			
10200	7 CY 40000 - 50000 GVW RQD	27,897	6.03		2.22	3.60	0.00			63									
10205	8 CY 50000 - 70000 GVW RQD	28,330	6.11		2.25	3.65	0.00			66									
10210	8.5CY 55000 - 75000 GVW RQD	28,622	6.17		2.28	3.69	0.00			68									
10215	9 CY 61000 - 80000 GVW RQD	29,037	6.26		2.31	3.74	0.00			73									
<b>WATER TANKS</b>																			
10225	2000 GAL 23500-28000 GVW	12,432	2.62		0.99	1.60	0.00			35									
10230	2500 GAL 25000-34950 GVW	13,098	2.77		1.04	1.69	0.00			39									
10235	3000 GAL 29000-40000 GVW	13,922	2.95		1.11	1.80	0.00			44									
<b>TRUCK TRAILERS</b>																			
<b>*****</b>																			
<b>BOTTOM DUMP</b>																			
10250	18CY 27T	27,311	5.01	6.34	1.82	2.86	0.00	3.40	0.00	122									
10255	20CY 30T	32,395	5.88	7.45	2.18	3.44	0.00	4.09	0.00	140									
10260	30CY 30T	32,713	5.92	7.51	2.20	3.47	0.00	4.13	0.00	160									
10265	28CY 42T	38,982	7.12	9.01	2.59	4.08	0.00	4.86	0.00	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					
<b>TRUCK TRAILERS (CONT'D)</b>														
<b>*****</b>														
<b>BOTTOM DUMP (CONT'D)</b>														
10270	20CY 35T OFF-HIGHWAY	46,003	8.24	10.47	3.11	4.92	0.00	5.87	0.00	175				
10275	32CY 55T OFF-HIGHWAY	97,499	17.90	22.64	6.42	10.07	0.00	11.97	0.00	365				
10280	43CY 70T OFF-HIGHWAY	107,969	19.90	25.17	7.08	11.09	0.00	13.18	0.00	445				
<b>END DUMP</b>														
10290	20CY 24T	36,232	6.52	8.27	2.45	3.87	0.00	4.60	0.00	146				
<b>LOWBOY, RIGID NECK, DROP DECK</b>														
10300	25 TON 2 AXLE	21,478	3.55		1.31	1.95	0.00			89				
10305	30 TON 2 AXLE	23,812	3.91		1.46	2.17	0.00			94				
10310	35 TON 2 AXLE	25,979	4.23		1.60	2.38	0.00			109				
10315	35 TON 3 AXLE	29,909	4.96		1.81	2.69	0.00			134				
10320	40 TON 3 AXLE	31,217	5.19		1.89	2.80	0.00			144				
10325	50 TON 3 AXLE	35,933	5.91		2.20	3.27	0.00			161				
10330	60 TON 3 AXLE	38,819	6.51		2.33	3.44	0.00			188				
10335	70 TON 3 AXLE	47,152	7.73		2.87	4.27	0.00			213				
10340	75 TON 3 AXLE	48,610	7.94		2.96	4.41	0.00			228				
10345	80 TON 4 AXLE	55,751	9.02		3.44	5.14	0.00			266				
10350	90 TON 4 AXLE	60,091	9.80		3.67	5.47	0.00			297				
10355	100 TON 4 AXLE	67,165	10.93		4.11	6.12	0.00			313				
10360	120 TON 4 AXLE	78,018	12.91		4.69	6.95	0.00			351				
10365	HELPER DOLLY 60 T TRAILER MAX	18,443	3.12		1.10	1.62	0.00			62				
<b>PLATFORM TRAILERS</b>														
10375	25 TON 2 AXLE	17,419	2.97		1.03	1.52	0.00			110				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				GWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>TRUCK TRAILERS (CONT'D)</b> *****														
<b>PUP TRAILERS</b>														
10385	8 CY LONG TONGUE	21,515	3.59		1.30	1.93	0.00			86				
10390	10CY LONG TONGUE	21,681	3.61		1.31	1.94	0.00			86				
<b>TILT TRAILERS</b>														
10400	12 TON 2 AXLE	11,447	2.01		0.68	1.00	0.00			62				
10405	16 TON 2 AXLE	13,118	2.30		0.77	1.13	0.00			65				
10410	20 TON 2 AXLE	14,270	2.50		0.84	1.23	0.00			67				
<b>WATER TANKER TRAILERS</b>														
10420	4000 GAL	63 HP D	32,786	6.26		1.98	3.01	1.39		120				
10425	5000 GAL	63 HP D	34,626	6.62		2.05	3.10	1.39		150				
10430	6000 GAL	63 HP D	36,164	6.83		2.15	3.25	1.39		160				
<b>TRUCKS, OFF-HIGHWAY</b> *****														
<b>CATERPILLAR</b>														
10445	769C 35T 22-30 CY	P.S. 450 HP D	291,703	55.58	71.71	17.76	27.41	6.26	31.42	8.09				
10450	773B 50T 30-45 CY	P.S. 650 HP D	408,864	79.80	103.72	24.71	38.05	9.05	43.59	11.69				
10455	777B 85T 47-67 CY	P.S. 870 HP D	583,477	110.40	143.19	34.83	53.42	12.11	61.16	15.64				
10460	768C PRIME MOVER TRACTOR	P.S. 450 HP D	258,054	50.69	65.68	15.65	24.12	6.26	27.64	8.09				
10465	772B PRIME MOVER TRACTOR	P.S. 650 HP D	384,398	78.38	103.23	22.92	35.14	9.05	40.23	11.69				
10470	776B PRIME MOVER TRACTOR	P.S. 870 HP D	513,145	101.85	133.83	30.06	45.85	12.11	52.44	15.64				
<b>DJB/CATERPILLAR (ARTICULATED FRAME)</b>														
10480	D-25C 25T 14-18 CY	P.S. 260 HP D	203,713	38.19	49.41	12.29	18.90	3.62	21.65	4.67				
10485	D-35C 35T 18-25 CY	P.S. 260 HP D	260,403	46.43	59.56	15.84	24.44	3.62	28.02	4.67				
10490	D350C 35T 20-26 CY	P.S. 260 HP D	255,296	46.76	60.47	15.26	23.42	3.62	26.81	4.67				
10495	D400 40T 23-29 CY	P.S. 385 HP D	303,979	56.17	72.21	18.32	28.18	5.36	32.29	6.92				
10500	D-44 44T 23-31 CY	P.S. 460 HP D	347,723	64.84	83.58	21.05	32.43	6.40	37.17	8.27				

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					
<b>TRUCKS, OFF-HIGHWAY (CONT'D)</b> *****														
<b>DJB/CATERPILLAR (CONT'D)</b> <b>(ARTICULATED FRAME)</b>														
10505	D550	55T 32-43 CY	P.S. 460 HP D	414,527	76.22	98.35	24.85	38.17	6.40	43.71	8.27	854		
<b>EUCLID</b>														
10515	R25-215FD	25T 14-19 CY	P.S. 214 HP D	194,904	34.38	43.95	11.85	18.27	2.98	20.94	3.85	404		
10520	R35-302TD	35T 22-30 CY	P.S. 450 HP D	309,975	58.24	74.98	18.91	29.20	6.26	33.47	8.09	623		
10525	R50-301LD	50T 31-41 CY	P.S. 608 HP D	408,621	78.98	102.68	24.70	38.03	8.46	43.57	10.93	836		
10530	R75-301ND	75T 46-69 CY	P.S. 646 HP D	545,556	99.74	129.18	32.63	50.09	8.99	57.36	11.62	1123		
10535	R85-306ND	85T 52-67 CY	P.S. 755 HP D	561,619	105.06	136.50	33.45	51.28	10.51	58.70	13.57	1227		
<b>TEREX</b>														
10545	33-03B	22T 15-18 CY	P.S. 215 HP D	173,178	31.83	40.94	10.58	16.33	2.99	18.72	3.87	400		
10550	33-05B	30T 19-23 CY	P.S. 321 HP D	252,312	46.80	60.36	15.37	23.71	4.47	27.18	5.77	525		
10555	33-07	40T 25-32 CY	P.S. 493 HP D	311,773	62.34	81.84	18.66	28.64	6.86	32.79	8.86	756		
10560	33-09	55T 34-44 CY	P.S. 624 HP D	420,531	83.15	109.06	25.19	38.68	8.69	44.28	11.22	992		
10565	33-11D	85T 51-65 CY	P.S. 840 HP D	619,651	115.10	148.95	37.10	56.96	11.69	65.23	15.10	1350		
10570	33-14	120T 65-88 CY	P.S. 1092 HP D	906,321	165.70	214.38	54.29	83.36	15.20	95.46	19.63	1950		
<b>WABCO</b>														
10580	HAULPAK35D	35T 23-29 CY	P.S. 420 HP D	307,714	57.37	73.85	18.77	28.98	5.85	33.22	7.55	630		
10585	HAULPAK50B	50T 31-40 CY	P.S. 576 HP D	439,178	82.83	107.37	26.62	41.02	8.02	47.00	10.36	792		
10590	HAULPAK60B	60T 34-48 CY	P.S. 642 HP D	471,705	90.94	118.66	28.41	43.69	8.94	50.04	11.54	900		
10595	75C	75T 44-57 CY	P.S. 679 HP D	534,983	98.24	126.98	32.09	49.29	9.45	56.45	12.21	950		
10600	85D	85T 47-67 CY	P.S. 818 HP D	597,434	111.46	144.44	35.71	54.79	11.39	62.73	14.71	1240		
10605	100	100T 47-77 CY	P.S. 1050 HP D	726,285	138.71	181.11	42.96	65.72	14.62	75.21	18.88	1606		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
TRUCKS, WATER														
*****														
TRACTOR DRAWN - KLEIN														
10620	KT-50	5000 GAL. CAT 613B P.S. 150 HP D	138,181	25.13	30.83	8.24	12.49	3.31	14.26	4.35	320			
10625	KT-60	6000 GAL. CAT 621B P.S. 330 HP D	243,289	47.04	58.10	14.30	21.58	7.27	24.61	9.57	564			
10630	KT-80	8000 GAL. CAT 631D P.S. 450 HP D	339,338	65.58	81.02	19.87	29.96	9.92	34.16	13.05	751			
10635	KT-100	10000 GAL. CAT 631D P.S. 450 HP D	347,755	66.78	82.46	20.39	30.76	9.92	35.08	13.05	811			
10640	KT-100	10000 GAL. CAT 651E P.S. 550 HP D	418,898	80.77	99.77	24.54	37.00	12.12	42.19	15.95	1001			
10645	KT-120	12000 GAL. CAT 651E P.S. 550 HP D	424,921	81.62	100.79	24.90	37.56	12.12	42.84	15.95	1097			
TRACTOR DRAWN - SOUTHWEST														
10655	STT-60	6000 GAL. CAT 621B P.S. 330 HP D	243,647	47.08	58.16	14.32	21.61	7.27	24.65	9.57	594			
10660	STT-80	8000 GAL. CAT 631D P.S. 450 HP D	335,598	65.05	80.39	19.64	29.61	9.92	33.76	13.05	811			
10665	STT-100	10000 GAL. CAT 631D P.S. 450 HP D	340,064	65.67	81.15	19.91	30.02	9.92	34.24	13.05	840			
10670	STT-120	12000 GAL. CAT 651E P.S. 550 HP D	434,550	83.00	102.43	25.50	38.48	12.12	43.88	15.95	1135			
10675	STT-140	14000 GAL. CAT 651E P.S. 550 HP D	440,942	83.90	103.51	25.89	39.08	12.12	44.56	15.95	1170			
WAGONS, BOTTOM DUMP														
*****														
CATERPILLAR-ATHEY														
10690	621B/PW621B	33T 22-25CY P.S. 330 HP D	264,800	52.87	68.87	15.92	24.46	7.27	28.01	9.57	579			
10695	768C/PW768C	63T 42-48CY P.S. 450 HP D	391,880	77.41	100.61	23.35	35.79	9.92	40.97	13.05	935			
10700	772B/PW772B	100T 60-67CY P.S. 650 HP D	624,318	123.32	161.51	37.00	56.63	14.33	64.81	18.85	1360			
EUCLID														
10710	B30-303TDT301W	30T 21-27CY P.S. 277 HP D	250,828	49.14	63.99	15.04	23.09	6.11	26.44	8.03	483			
10715	B70-203LDT147W	70T 47-62CY P.S. 456 HP D	423,746	79.80	102.87	25.40	39.00	10.05	44.66	13.22	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	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
<b>WAGONS, REAR DUMP</b> *****													
<b>CATERPILLAR-ATHEY</b>													
10730	621B/PR621B 33T 22-26CY P.S. 330 HP D	274,792	54.32	70.66	16.54	25.43	7.27	29.14	9.57	630			
10735	631D/PR631D 40T 27-32CY P.S. 450 HP D	395,007	76.94	99.88	23.86	36.72	9.92	42.07	13.05	833			
<b>WATER BLASTER</b> *****													
<b>ACE</b>													
10750	MOD S4 3000GM PORTABLE 3000 PSI 11 HP G	2,932	2.06		0.27	0.44	0.89			3			
10755	MOD S5 3500GE PORTABLE 3500 PSI 18 HP G	4,389	3.25		0.41	0.68	1.45			3			
10760	MOD S5 3000E SKID MTD 3000 PSI 10 HP E	4,721	2.19		0.45	0.74	0.48			3			
10765	MOD S6 3000E SKID MTD 3000 PSI 15 HP E	5,265	2.68		0.49	0.82	0.72			3			
<b>AMERICAN AERO/WEATHERFORD</b>													
10775	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	34,875	15.47		3.37	5.65	2.96			42			
10780	WBDI50 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	52,810	24.36		5.12	8.58	5.20			70			
<b>WATER TANKS</b> *****													
<b>SKID MOUNTED</b>													
10795	WST-8 8000 GAL. SOUTHWEST	16,157	2.17		1.00	1.53	0.00			107			
10800	WST-10 10000 GAL. SOUTHWEST	18,821	2.53		1.16	1.78	0.00			122			
10805	WST-12 12000 GAL. SOUTHWEST	21,897	2.94		1.35	2.07	0.00			142			
<b>PORTABLE (WITH WHEELS)</b>													
10815	EWT-8 8000 GAL. SOUTHWEST 8 HP G	29,286	4.58		1.76	2.68	0.44			130			
10820	EWT-10 10000 GAL. SOUTHWEST 8 HP G	33,136	5.10		2.00	3.05	0.44			170			
10825	EWT-12 12000 GAL. SOUTHWEST 8 HP G	36,751	5.59		2.23	3.40	0.44			185			

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				
WELDERS												
*****												
ELECTRIC DRIVE - AC 3 PHASE 60 HZ												
10840	300 AMP SKID MTD	20 HP E	2,494	1.68			0.20	0.31	0.96			
10845	400 AMP SKID MTD	25 HP E	2,981	2.07			0.23	0.37	1.20			
GASOLINE ENGINE DRIVE												
10855	200 AMP W/1 AXLE TRLR	39 HP G	4,999	4.24			0.37	0.57	2.62			
10860	250 AMP W/1 AXLE TRLR	39 HP G	5,265	4.30			0.39	0.61	2.62			
10865	300 AMP W/1 AXLE TRLR	65 HP G	5,722	6.55			0.42	0.65	4.37			
10870	400 AMP W/1 AXLE TRLR	69 HP G	7,283	7.20			0.54	0.84	4.64			
DIESEL ENGINE DRIVE												
10880	250 AMP W/1 AXLE TRLR	27 HP D	6,814	2.28			0.51	0.79	0.74			
10885	300 AMP W/1 AXLE TRLR	38 HP D	7,285	2.74			0.54	0.84	1.04			
10890	350 AMP W/2 AXLE TRLR	38 HP D	8,195	2.93			0.60	0.93	1.04			
10895	400 AMP W/2 AXLE TRLR	64 HP D	8,866	3.94			0.65	1.01	1.74			
MIG												
10905	300AMP W/WIRE FEED AND SHOP GEAR	10 HP E	2,538	1.05			0.20	0.31	0.48			
10910	450AMP W/WIRE FEED AND SHOP GEAR	20 HP E	2,611	1.69			0.20	0.32	0.96			
RECTIFIER												
10920	200 AMP W/SHOP RUNNING GEAR	19 HP E	1,149	1.38			0.10	0.15	0.91			
10925	300 AMP W/SHOP RUNNING GEAR	24 HP E	1,474	1.76			0.12	0.19	1.15			
10930	750 AMP W/SHOP RUNNING GEAR	30 HP E	4,032	2.55			0.31	0.49	1.44			
10935	1000AMP W/SHOP RUNNING GEAR	42 HP E	7,060	3.82			0.55	0.87	2.02			
TRANSFORMER-RECTIFIER												
10945	250 AMP W/SHOP RUNNING GEAR	19 HP E	529	1.27			0.05	0.07	0.91			
10950	300 AMP W/SHOP RUNNING GEAR	24 HP E	1,761	1.79			0.13	0.21	1.15			



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 1982, the total hourly rate can be determined as follows:

Total Hourly Rate	= \$55.00/Hr.
Ownership Rate	(-) \$30.00/Hr.
Ownership adjusted for Age: $(\text{Ownership Rate}) \times (\text{Age Adj. Factor})$ $= (\$30.00) \times (.92)$	= (+) <u>\$27.60/Hr.</u>
Adjusted Total Hourly Rate	= \$52.60/Hr.

B. If an equivalent crane owned by a contractor had been purchased new in 1971, this crane is overage 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: $(\text{Ownership Rate}) \times (\text{Oldest Age Adj. Factor})$ $= (\$30.00) \times (.63)$	= (+) <u>\$18.90/Hr.</u>
Adjusted Total Hourly Rate	= \$43.90/Hr.

C. If an equivalent crane, manufactured in 1971, had been purchased used in 1979 by the contractor, the crane is overage and the rate computation would be identical to Example B.

D. If an equivalent crane, manufactured in 1982, had been purchased used in 1984 by the contractor, the used crane is not overage 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	<u>YEAR PURCHASED NEW</u>												
		1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
15	AGGREGATE SPREADERS	1.04	1.02	1.00	1.00	0.97	0.95							
30	AIR COMPRESSORS	1.04	1.01	1.00	1.01	0.97	0.98							
45	AIR TOOLS, SANDBLASTERS, ETC	1.04	1.01	1.00										
60	ASPHALT DISTRIBUTORS	1.04	1.02	1.00	1.00	0.97	0.96							
65	ASPHALT AND CONCRETE PAVERS	1.04	1.02	1.00	1.00	0.97	0.96							
70	ASPHALT KETTLES AND RECYCLERS BACKHOE (SEE KEY NO. 570-601)	1.05	1.03	1.00	0.99	0.97								
75	BROOMS	1.05	1.02	1.00	0.99	0.97	0.95							
80	BRUSH CHIPPERS	1.05	1.02	1.00	0.99	0.97	0.95							
90	BUCKETS, CLAMSHELL & DRAGLINE	1.04	1.01	1.00	0.98	0.96	0.94							
95	BUCKETS, CONCRETE	1.04	1.01	1.00	0.98	0.95	0.94							
105	CONCRETE OR GROUT PUMP	1.05	1.02	1.00	0.99	0.97								
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.05	1.02	1.00	0.99	0.97								
125	CONCRETE FINISHERS, BLASTERS & BUGGIES	1.05	1.03	1.00	0.99									
130	CONCRETE SAWS	1.05	1.02	1.00	0.99	0.97								
135	CONCRETE VIBRATORS	1.04	1.01	1.00										
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.04	1.01	1.00	1.01									
150	0 THRU 25 TON	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85					
165	OVER 25 TON THRU 50 TON	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85	0.78				
170	OVER 50 TON THRU 150 TON	1.06	1.03	1.00	0.97	0.95	0.94	0.92	0.85	0.78	0.70	0.63		
180	OVER 150 TON DRAGLINE & CLAMSHELL, CRAWLER	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.85	0.78	0.70	0.64	0.59	
185	0 THRU 1 CY	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85					
190	OVER 1 CY THRU 2-1/2 CY	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85	0.78				
195	OVER 2-1/2 CY THRU 5 CY	1.06	1.03	1.00	0.97	0.95	0.94	0.92	0.85	0.78	0.70	0.63		
196	OVER 5 CY	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.85	0.78	0.70	0.64	0.59	
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.06	1.03	1.00	0.97	0.95	0.94	0.92	0.85	0.78	0.70			
205	CRANES, TOWER CRANES & HYD. EXC., TRK MTD	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85	0.78	0.69	0.62		
210	UNDER 26 T. (THRU 1 CY)	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85	0.78				
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.06	1.03	1.00	0.97	0.95	0.94	0.92	0.85	0.78	0.70	0.63		
230	66 THRU 125 T	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.85	0.78	0.70	0.64	0.59	
240	OVER 125 T	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.85	0.79	0.70	0.64	0.59	0.55
255	DRILL, AUGER	1.03	1.00	1.00	1.02	1.01	1.02							
270	DRILL, BLAST HOLE	1.03	1.00	1.00	1.02	1.01	1.02							
300	DRILL, CORE	1.03	1.00	1.00	1.02	1.01	1.02							
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	1.00	1.00	1.02	1.01	1.02	1.01	0.93	0.79				
330	DRILL, ROTARY OVER 11" DIA.	1.02	1.00	1.00	1.02	1.01	1.02	1.01	0.93	0.80	0.69	0.64	0.57	
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	1.00	1.00	1.02	1.01	1.02	1.01	0.93	0.80	0.69	0.64	0.57	
375	FORK LIFTS	1.05	1.02	1.00	0.99	0.97	0.95							
390	GRADERS	1.10	1.05	1.00	0.99	0.96	0.96	0.94	0.85					
420	GENERATORS	1.07	1.02	1.00	1.00	0.96								
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.05	1.02	1.00	0.99	0.97	0.95							
438	LAWN MOWERS	1.05	1.02	1.00										
440	LIGHT PLANTS	1.05	1.03	1.00	0.99	0.97								
450	LOADER, BELT	1.05	1.02	1.00	0.99	0.97	0.95							
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE LOADER, WHEEL TYPE	1.13	1.05	1.00	1.00	1.01	1.01							
465	0 THRU 225 HP	1.10	1.03	1.00	0.99	0.99	0.96							
470	OVER 225 HP	1.09	1.03	1.00	0.99	0.99	0.97	0.94	0.85					

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW											
		1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.10	1.03	1.00	0.99	0.99	0.99						
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.06	1.03	1.00	0.98								
485	PIPELAYERS PUMP, GROUT (SEE KEY NO. 105)	1.13	1.05	1.00	1.00	1.01	1.01	0.96	0.87				
495	PUMP, WATER, ENGINE DRIVE	1.05	1.03	1.00	0.99	0.97	0.97	0.95					
500	PUMP, WATER, ELECTRIC DRIVE	1.05	1.03	1.00	0.99	0.97	0.97	0.95					
510	RIPPERS	1.13	1.05	1.00	1.00	1.01							
525	ROLLERS, EXCEPT VIB. ROLLERS	1.06	1.02	1.00	0.98	0.94	0.89						
530	ROLLERS, VIBRATORY	1.06	1.02	1.00	0.98	0.94							
535	ROOFING EQUIPMENT	1.10	1.05	1.00	0.99								
540	SCRAPERS, STANDARD	1.09	1.05	1.00	0.99	0.97	0.97						
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.09	1.05	1.00	0.99	0.97	0.97						
545	0 THRU 200 HP	1.10	1.05	1.00	0.99	0.96	0.96						
550	OVER 200 HP	1.09	1.05	1.00	0.99	0.97	0.97						
555	SCRAPERS, TRACTOR DRAWN	1.10	1.05	1.00	0.99	0.96	0.96	0.94	0.85				
560	SOIL STABILIZERS SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED	1.10	1.05	1.00	0.99	0.96	0.96						
570	0 THRU 1 CY	1.07	1.04	1.00	0.97	0.95							
585	OVER 1 CY THRU 2-1/2 CY	1.06	1.04	1.00	0.97	0.95	0.93						
595	OVER 2-1/2 CY THRU 5 CY	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85				
600	OVER 5 CY	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85	0.78			
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.06	1.03	1.00	0.97	0.95	0.94	0.91	0.85	0.78	0.69	0.62	
615	0 THRU 225 HP	1.13	1.05	1.00	1.00	1.01	1.01						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.13	1.05	1.00	1.00	1.01	1.01						
625	OVER 425 HP	1.12	1.04	1.00	1.00	1.01	1.01	0.97	0.88				
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.13	1.05	1.00	1.00	1.01	1.01						
645	TRACTOR, WHEEL TYPE	1.05	1.01	1.00	1.00	0.95	0.92						
650	TRENCHER	1.03	1.00	1.00	0.98	0.96	0.94						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.05	1.02	1.00	0.99	0.97	0.95						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.06	1.03	1.00	0.99	0.97	0.95						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING												
670	DUMP BODIES	1.05	1.02	1.00	0.99	0.97							
675	ALL OTHER ACCESSORIES TRUCK, HIGHWAY	1.05	1.02	1.00	0.99	0.97							
690	0 THRU 10,000 GW	1.03	1.01	1.00	0.95								
695	OVER 10,000 THRU 30,000 GW	1.03	1.01	1.00	0.95	0.91							
705	OVER 30,000 GW	1.03	1.01	1.00	0.95	0.92							
720	TRUCK, OFF-HIGHWAY	1.06	1.02	1.00	0.99	0.98	0.97	0.95	0.86				
765	WAGON, BOTTOM & REAR DUMP	1.07	1.02	1.00	0.99	0.98	0.97	0.95	0.86				
780	WAGON, WATER	1.07	1.02	1.00	0.99	0.98	0.97	0.95	0.86				
785	WATER BLASTER	1.05	1.03	1.00	0.99								
795	WATER TANKS	1.05	1.02	1.00	0.99	0.97	0.95	0.93	0.86				
810	WELDERS	1.06	1.03	1.00	0.99	0.97							
811	WELDERS ELECTRIC POWER	1.05	1.03	1.00	0.99	0.97							

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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 1982, the hourly standby rate can be determined as follows:

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

$$\begin{aligned} \text{Standby Adjusted for Age} & \\ (\text{Standby Rate}) \times (\text{Age Adj. Factor}) & \\ = (\$18.00) \times (.92) & = \$16.56/\text{Hr.} \end{aligned}$$

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW										
		1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	
15	AGGREGATE SPREADERS	1.04	1.02	1.00	1.00	0.97	0.96					
30	AIR COMPRESSORS	1.04	1.01	1.00	1.01	0.98	0.98					
45	AIR TOOLS, SANDBLASTERS, ETC	1.04	1.01	1.00								
60	ASPHALT DISTRIBUTORS	1.04	1.02	1.00	1.00	0.97	0.96					
65	ASPHALT AND CONCRETE PAVERS	1.04	1.02	1.00	1.00	0.97	0.96					
70	ASPHALT KETTLES AND RECYCLERS	1.05	1.02	1.00	0.99	0.97						
	BACKHOE (SEE KEY NO. 570-601)											
75	BROOMS	1.05	1.02	1.00	0.99	0.97	0.96					
80	BRUSH CHIPPERS	1.05	1.02	1.00	0.99	0.97	0.96					
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	0.98	0.96	0.95					
95	BUCKETS, CONCRETE	1.03	1.01	1.00	0.98	0.96	0.95					
105	CONCRETE OR GROUT PUMP	1.05	1.02	1.00	0.99	0.97						
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.05	1.02	1.00	0.99	0.97						
125	CONCRETE FINISHERS, BLASTERS & BUGGIES	1.05	1.02	1.00	0.99							
130	CONCRETE SAWS	1.05	1.02	1.00	0.99	0.97						
135	CONCRETE VIBRATORS	1.04	1.01	1.00								
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.04	1.01	1.00	1.01							
150	0 THRU 25 TON	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.86			
165	OVER 25 TON THRU 50 TON	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.86	0.80		
170	OVER 50 TON THRU 150 TON	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.73	0.67
180	OVER 150 TON	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.73	0.67
	DRAGLINE & CLAMSHELL, CRAWLER											
185	0 THRU 1 CY	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.86			
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.86	0.80		
195	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.73	0.67
196	OVER 5 CY	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.73	0.67
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.73	
205	CRANES, TOWER CRANES & HYD. EXC. , TRK MTD	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.73	0.67
210	UNDER 26 T. (THRU 1 CY)	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.86	0.80		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.73	0.67
230	66 THRU 125 T	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.73	0.67
240	OVER 125 T	1.05	1.03	1.00	0.98	0.96	0.94	0.92	0.87	0.81	0.73	0.67
255	DRILL, AUGER	1.02	1.00	1.00	1.02	1.01	1.02					
270	DRILL, BLAST HOLE	1.02	1.00	1.00	1.02	1.01	1.02					
300	DRILL, CORE	1.02	1.00	1.00	1.02	1.01	1.02					
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	1.00	1.00	1.02	1.01	1.02	1.01	0.93	0.82		
330	DRILL, ROTARY OVER 11" DIA.	1.02	1.00	1.00	1.02	1.01	1.02	1.01	0.94	0.82	0.73	0.68
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	1.00	1.00	1.02	1.01	1.02	1.01	0.94	0.82	0.73	0.68
375	FORK LIFTS	1.05	1.02	1.00	0.99	0.97	0.96					
390	GRADERS	1.08	1.04	1.00	0.99	0.97	0.97	0.95	0.87			
420	GENERATORS	1.06	1.02	1.00	1.00	0.97						
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.05	1.02	1.00	0.99	0.97	0.96					
438	LAWN MOWERS	1.05	1.02	1.00								
440	LIGHT PLANTS	1.05	1.02	1.00	0.99	0.97						
450	LOADER, BELT	1.05	1.02	1.00	0.99	0.97	0.96					
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE, CRAWLER TYPE LOADER, WHEEL TYPE	1.11	1.04	1.00	1.00	1.01	1.01	1.01				
465	0 THRU 225 HP	1.08	1.03	1.00	1.00	0.99	0.97					
470	OVER 225 HP	1.08	1.03	1.00	1.00	0.99	0.97	0.95	0.86			

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	1.08	1.03	1.00	1.00	0.99	0.97							
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.02	1.00	0.99									
485	PIPELAYERS	1.11	1.04	1.00	1.00	1.01	1.01	0.97	0.89					
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.05	1.02	1.00	0.99	0.97	0.96							
500	PUMP, WATER, ELECTRIC DRIVE	1.05	1.02	1.00	0.99	0.97	0.96							
510	RIPPERS	1.11	1.04	1.00	1.00	1.01								
525	ROLLERS, EXCEPT VIB. ROLLERS	1.05	1.02	1.00	0.98	0.94	0.90							
530	ROLLERS, VIBRATORY	1.06	1.02	1.00	0.98	0.94								
535	ROOFING EQUIPMENT	1.09	1.04	1.00	0.99									
540	SCRAPERS, STANDARD	1.08	1.04	1.00	0.99	0.97	0.97							
542	SCRAPERS, TANDEM POWERED	1.08	1.04	1.00	0.99	0.97	0.97							
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.08	1.04	1.00	0.99	0.97	0.97							
550	OVER 200 HP	1.08	1.04	1.00	0.99	0.97	0.97							
555	SCRAPERS, TRACTOR DRAWN	1.08	1.04	1.00	0.99	0.97	0.97	0.95	0.87					
560	SOIL STABILIZERS	1.08	1.04	1.00	0.99	0.97	0.97							
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.06	1.03	1.00	0.97	0.96								
585	OVER 1 CY THRU 2-1/2 CY	1.06	1.03	1.00	0.97	0.96	0.94							
595	OVER 2-1/2 CY THRU 5 CY	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.86					
600	OVER 5 CY	1.06	1.03	1.00	0.97	0.96	0.94	0.92	0.86	0.80				
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.05	1.03	1.00	0.97	0.96	0.94	0.92	0.87	0.80	0.73	0.67		
615	0 THRU 225 HP	1.11	1.04	1.00	1.00	1.01	1.01							
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.11	1.04	1.00	1.00	1.01	1.01							
625	OVER 425 HP	1.11	1.04	1.00	1.00	1.01	1.01	0.97	0.89					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.11	1.04	1.00	1.00	1.01	1.01							
645	TRACTOR, WHEEL TYPE	1.05	1.01	1.00	1.00	0.96	0.93							
650	TRENCHER	1.02	1.00	1.00	0.98	0.97	0.95							
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.05	1.02	1.00	0.99	0.97	0.96							
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.05	1.02	1.00	0.99	0.97	0.96							
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.05	1.02	1.00	0.99	0.97								
675	ALL OTHER ACCESSORIES	1.05	1.02	1.00	0.99	0.97								
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.03	1.01	1.00	0.95									
695	OVER 10,000 THRU 30,000 GVW	1.03	1.01	1.00	0.95	0.93								
705	OVER 30,000 GVW	1.03	1.01	1.00	0.95	0.93								
720	TRUCK, OFF-HIGHWAY	1.06	1.02	1.00	0.99	0.97	0.95	0.87						
765	WAGON, BOTTOM & REAR DUMP	1.06	1.02	1.00	0.99	0.97	0.95	0.87						
780	WAGON, WATER	1.06	1.02	1.00	0.99	0.97	0.95	0.87						
785	WATER BLASTER	1.05	1.02	1.00	0.99									
795	WATER TANKS	1.05	1.02	1.00	0.99	0.97	0.96	0.94	0.87					
810	WELDERS	1.05	1.02	1.00	0.99	0.97								
811	WELDERS ELECTRIC POWER	1.05	1.02	1.00	0.99	0.97								

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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)	= \$52.60/Hr.
Ownership Rate (adjusted for age)	(-) \$27.60/Hr.
Ownership Adjusted for Work Hours (Ownership Rate) x (Work Hr Adj. Factor)	
= (\$27.60) x (.87)	= (+) <u>\$24.01/Hr.</u>
Adjusted Total Hourly Rate	= \$49.01/Hr.

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

Service Life From APP. D	Equipment Usage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.98	0.98	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90	0.90
6,000	1.00	0.98	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87
8,000	1.00	0.97	0.96	0.94	0.92	0.91	0.90	0.89	0.87	0.86	0.85	0.85	0.84
9,000	1.00	0.97	0.96	0.94	0.92	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.82
10,000	1.00	0.97	0.96	0.93	0.91	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.81
11,000	1.00	0.97	0.95	0.93	0.91	0.89	0.87	0.86	0.84	0.83	0.82	0.81	0.80
12,000	1.00	0.97	0.95	0.92	0.90	0.88	0.87	0.85	0.83	0.82	0.81	0.80	0.79
13,000	1.00	0.96	0.95	0.92	0.89	0.88	0.86	0.84	0.82	0.81	0.80	0.79	0.77
14,000	1.00	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.82	0.80	0.79	0.78	0.76
15,000	1.00	0.96	0.94	0.91	0.89	0.86	0.85	0.83	0.81	0.79	0.78	0.77	0.75
16,000	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
18,000	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
20,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.80	0.77	0.76	0.74	0.73	0.71
22,000	1.00	0.95	0.93	0.89	0.86	0.83	0.81	0.78	0.76	0.74	0.73	0.71	0.69
50,000	1.00	0.93	0.90	0.84	0.79	0.75	0.72	0.69	0.65	0.62	0.60	0.58	0.55

TABLE 3-5. HOURLY RATE ELEMENT

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
1015	4.53	1.71	7.79	1.87	0.23	0.03	3.75	19.91								
1020	5.08	1.91	2.44	0.58	0.23	0.03	4.20	14.47								
1030	4.70	1.77	5.80	1.39	0.23	0.03	3.89	17.81								
1035	4.77	1.80	5.80	1.39	0.23	0.03	3.94	17.96								
1050	0.83	0.34	2.74	0.88	0.02	0.00	0.73	5.54								
1055	1.00	0.41	0.73	0.20	0.02	0.00	0.88	3.24								
1060	1.02	0.42	3.83	1.23	0.02	0.00	0.90	7.42								
1065	1.09	0.45	1.12	0.31	0.02	0.00	0.96	3.95								
1070	1.11	0.46	3.83	1.23	0.02	0.00	0.98	7.63								
1075	1.27	0.52	1.19	0.33	0.02	0.00	1.12	4.45								
1080	1.15	0.47	3.83	1.23	0.02	0.00	1.02	7.72								
1085	1.36	0.56	1.52	0.43	0.02	0.00	1.20	5.09								
1090	1.60	0.65	1.94	0.54	0.03	0.00	1.41	6.17								
1095	2.46	1.03	2.69	0.75	0.15	0.02	2.19	9.29								
1100	3.21	1.34	3.35	0.94	0.15	0.02	2.85	11.86								
1105	3.86	1.61	4.14	1.16	0.17	0.03	3.42	14.39								
1110	4.49	1.86	5.03	1.41	0.17	0.03	3.97	16.96								
1115	5.12	2.12	5.73	1.60	0.17	0.03	4.53	19.30								
1120	5.62	2.32	5.95	1.67	0.17	0.03	4.97	20.73								
1125	5.47	2.26	6.48	1.81	0.17	0.03	4.84	21.06								
1130	7.55	3.11	8.82	2.47	0.17	0.03	6.66	28.81								
1135	8.52	3.51	10.05	2.81	0.21	0.03	7.53	32.66								
1150	0.30	0.05	0.00	0.06	0.00	0.00	0.54	0.95								
1155	0.55	0.09	0.00	0.06	0.00	0.00	0.98	1.68								
1160	0.56	0.09	0.00	0.06	0.00	0.00	0.98	1.69								
1165	0.61	0.10	0.00	0.13	0.00	0.00	1.08	1.92								
1170	0.83	0.14	0.00	0.13	0.00	0.00	1.46	2.56								
1175	2.34	0.41	0.00	0.28	0.05	0.01	4.15	7.24								
1180	2.78	0.50	0.00	0.41	0.14	0.02	4.97	8.82								
1185	3.43	0.61	0.00	0.51	0.14	0.02	6.11	10.82								
1195	0.18	0.03	0.00	0.06	0.00	0.00	0.32	0.59								
1200	0.40	0.07	0.00	0.11	0.00	0.00	0.71	1.29								
1205	0.19	0.03	0.00	0.06	0.00	0.00	0.33	0.61								
1210	0.20	0.03	0.00	0.06	0.00	0.00	0.36	0.65								
1215	0.22	0.04	0.00	0.06	0.00	0.00	0.39	0.71								
1220	0.74	0.13	0.00	0.13	0.00	0.00	1.31	2.31								
1230	0.40	0.07	0.00	0.15	0.00	0.00	1.17	1.79								
1235	0.26	0.04	0.00	0.13	0.00	0.00	0.75	1.18								
1240	0.23	0.04	0.00	0.10	0.00	0.00	0.68	1.05								
1245	0.21	0.04	0.00	0.08	0.00	0.00	0.61	0.94								
1250	0.16	0.03	0.00	0.06	0.00	0.00	0.48	0.73								
1265	2.55	0.94	2.47	0.79	0.00	0.00	2.55	9.30								
1270	2.61	0.96	2.47	0.79	0.00	0.00	2.61	9.44								
1275	2.79	1.03	2.47	0.79	0.00	0.00	2.79	9.87								
1280	3.14	1.16	2.47	0.79	0.00	0.00	3.14	10.70								
1295	10.17	3.80	1.72	0.48	0.37	0.06	10.80	27.40								
1300	11.37	4.32	2.12	0.59	0.81	0.12	12.12	31.45								
1305	12.73	4.81	3.13	0.88	0.81	0.12	13.56	36.04								
1310	11.93	4.40	1.72	0.48	0.00	0.00	12.64	31.17								
1315	13.76	5.07	2.12	0.59	0.00	0.00	14.57	36.11								
1320	16.75	6.17	3.13	0.88	0.00	0.00	17.74	44.67								
1330	3.86	1.48	0.66	0.19	0.35	0.05	4.12	10.71								
1335	6.50	2.45	0.97	0.27	0.35	0.05	6.92	17.51								
1340	8.67	3.27	1.23	0.35	0.52	0.08	9.23	23.35								
1345	10.45	3.98	2.09	0.59	0.81	0.12	11.14	29.18								

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	
1350	12.41	4.73	2.03	0.57	0.99	0.15	13.23	34.11								
1355	16.10	6.14	3.26	0.91	1.38	0.21	17.17	45.17								
1360	11.89	4.38	1.98	0.56	0.00	0.00	12.59	31.40								
1365	14.32	5.28	2.75	0.77	0.00	0.00	15.17	38.29								
1380	0.40	0.12	0.00	1.03	0.02	0.00	0.38	1.95								
1385	0.47	0.15	0.00	1.14	0.02	0.00	0.45	2.23								
1395	0.27	0.09	0.00	0.90	0.02	0.00	0.26	1.54								
1400	0.31	0.10	0.00	1.15	0.03	0.00	0.30	1.89								
1415	0.89	0.28	0.38	1.73	0.03	0.00	0.85	4.16								
1430	0.53	0.20	0.00	0.24	0.02	0.00	0.51	1.50								
1435	0.68	0.26	1.64	0.39	0.02	0.00	0.65	3.64								
1440	0.26	0.10	0.00	0.10	0.00	0.00	0.25	0.71								
1445	0.47	0.17	0.00	0.14	0.00	0.00	0.45	1.23								
1460	0.31	0.12	0.42	0.13	0.02	0.00	0.34	1.34								
1465	0.38	0.14	0.69	0.22	0.02	0.00	0.41	1.86								
1470	0.81	0.30	2.29	0.73	0.02	0.00	0.87	5.02								
1475	1.02	0.38	1.19	0.33	0.02	0.00	1.10	4.04								
1485	0.96	0.36	5.73	1.83	0.00	0.00	1.03	9.91								
1490	1.03	0.39	5.73	1.83	0.04	0.01	1.11	10.14								
1505	1.01	0.34	0.00	0.00	0.00	0.00	0.78	2.13	1.27	0.35	0.00	0.00	0.00	0.00	1.11	2.73
1510	1.09	0.36	0.00	0.00	0.00	0.00	0.84	2.29	1.36	0.37	0.00	0.00	0.00	0.00	1.19	2.92
1515	1.56	0.52	0.00	0.00	0.00	0.00	1.20	3.28	1.95	0.54	0.00	0.00	0.00	0.00	1.71	4.20
1520	1.81	0.61	0.00	0.00	0.00	0.00	1.39	3.81	2.26	0.62	0.00	0.00	0.00	0.00	1.99	4.87
1525	2.36	0.79	0.00	0.00	0.00	0.00	1.81	4.96	2.95	0.81	0.00	0.00	0.00	0.00	2.59	6.35
1530	2.50	0.84	0.00	0.00	0.00	0.00	1.92	5.26	3.12	0.86	0.00	0.00	0.00	0.00	2.75	6.73
1535	2.70	0.90	0.00	0.00	0.00	0.00	2.08	5.68	3.38	0.93	0.00	0.00	0.00	0.00	2.97	7.28
1540	2.98	1.00	0.00	0.00	0.00	0.00	2.29	6.27	3.72	1.02	0.00	0.00	0.00	0.00	3.27	8.01
1545	3.22	1.08	0.00	0.00	0.00	0.00	2.48	6.78	4.02	1.11	0.00	0.00	0.00	0.00	3.54	8.67
1550	3.42	1.14	0.00	0.00	0.00	0.00	2.63	7.19	4.27	1.18	0.00	0.00	0.00	0.00	3.76	9.21
1555	3.77	1.26	0.00	0.00	0.00	0.00	2.90	7.93	4.71	1.29	0.00	0.00	0.00	0.00	4.14	10.14
1560	3.91	1.31	0.00	0.00	0.00	0.00	3.01	8.23	4.89	1.34	0.00	0.00	0.00	0.00	4.30	10.53
1565	4.12	1.38	0.00	0.00	0.00	0.00	3.17	8.67	5.15	1.42	0.00	0.00	0.00	0.00	4.52	11.09
1570	4.32	1.44	0.00	0.00	0.00	0.00	3.32	9.08	5.40	1.48	0.00	0.00	0.00	0.00	4.75	11.63
1575	4.48	1.50	0.00	0.00	0.00	0.00	3.45	9.43	5.60	1.54	0.00	0.00	0.00	0.00	4.93	12.07
1585	1.32	0.44	0.00	0.00	0.00	0.00	1.01	2.77	1.65	0.45	0.00	0.00	0.00	0.00	1.45	3.55
1590	1.32	0.44	0.00	0.00	0.00	0.00	1.02	2.78	1.65	0.45	0.00	0.00	0.00	0.00	1.45	3.55
1595	1.92	0.64	0.00	0.00	0.00	0.00	1.48	4.04	2.40	0.66	0.00	0.00	0.00	0.00	2.11	5.17
1600	2.07	0.69	0.00	0.00	0.00	0.00	1.59	4.35	2.59	0.71	0.00	0.00	0.00	0.00	2.28	5.58
1605	2.63	0.88	0.00	0.00	0.00	0.00	2.02	5.53	3.29	0.90	0.00	0.00	0.00	0.00	2.89	7.08
1610	2.88	0.96	0.00	0.00	0.00	0.00	2.21	6.05	3.60	0.99	0.00	0.00	0.00	0.00	3.16	7.75
1615	3.28	1.10	0.00	0.00	0.00	0.00	2.52	6.90	4.10	1.13	0.00	0.00	0.00	0.00	3.61	8.84
1620	3.53	1.18	0.00	0.00	0.00	0.00	2.72	7.43	4.41	1.21	0.00	0.00	0.00	0.00	3.88	9.50
1625	3.79	1.27	0.00	0.00	0.00	0.00	2.92	7.98	4.74	1.30	0.00	0.00	0.00	0.00	4.17	10.21
1630	4.15	1.39	0.00	0.00	0.00	0.00	3.19	8.73	5.19	1.43	0.00	0.00	0.00	0.00	4.56	11.18
1635	4.38	1.46	0.00	0.00	0.00	0.00	3.37	9.21	5.47	1.50	0.00	0.00	0.00	0.00	4.81	11.78
1640	4.59	1.54	0.00	0.00	0.00	0.00	3.53	9.66	5.74	1.58	0.00	0.00	0.00	0.00	5.05	12.37
1645	4.84	1.62	0.00	0.00	0.00	0.00	3.72	10.18	6.04	1.66	0.00	0.00	0.00	0.00	5.31	13.01
1650	5.04	1.69	0.00	0.00	0.00	0.00	3.88	10.61	6.30	1.73	0.00	0.00	0.00	0.00	5.54	13.57
1655	5.24	1.75	0.00	0.00	0.00	0.00	4.03	11.02	6.55	1.80	0.00	0.00	0.00	0.00	5.76	14.11
1665	1.49	0.50	0.00	0.00	0.00	0.00	1.14	3.13	1.86	0.51	0.00	0.00	0.00	0.00	1.63	4.00
1670	1.52	0.51	0.00	0.00	0.00	0.00	1.17	3.20	1.90	0.52	0.00	0.00	0.00	0.00	1.67	4.09
1675	2.18	0.73	0.00	0.00	0.00	0.00	1.68	4.59	2.73	0.75	0.00	0.00	0.00	0.00	2.40	5.88
1680	2.66	0.89	0.00	0.00	0.00	0.00	2.05	5.60	3.33	0.91	0.00	0.00	0.00	0.00	2.92	7.16
1685	3.07	1.02	0.00	0.00	0.00	0.00	2.36	6.45	3.83	1.05	0.00	0.00	0.00	0.00	3.37	8.25
1690	3.32	1.11	0.00	0.00	0.00	0.00	2.55	6.98	4.15	1.14	0.00	0.00	0.00	0.00	3.65	8.94

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS						SEVERE CONDITIONS						TOTAL RATE		
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR			
1695	3.66	1.22	0.00	0.00	0.00	0.00	2.81	7.69	4.57	1.26	0.00	0.00	0.00	4.02	9.85
1700	3.93	1.31	0.00	0.00	0.00	0.00	3.02	8.26	4.92	1.35	0.00	0.00	0.00	4.32	10.59
1705	4.03	1.35	0.00	0.00	0.00	0.00	3.10	8.48	5.04	1.38	0.00	0.00	0.00	4.43	10.85
1710	4.36	1.46	0.00	0.00	0.00	0.00	3.35	9.17	5.45	1.50	0.00	0.00	0.00	4.78	11.73
1715	4.61	1.54	0.00	0.00	0.00	0.00	3.55	9.70	5.77	1.59	0.00	0.00	0.00	5.07	12.43
1720	4.85	1.62	0.00	0.00	0.00	0.00	3.73	10.20	6.06	1.67	0.00	0.00	0.00	5.33	13.06
1725	5.15	1.72	0.00	0.00	0.00	0.00	3.96	10.83	6.44	1.77	0.00	0.00	0.00	5.66	13.87
1730	5.35	1.79	0.00	0.00	0.00	0.00	4.11	11.25	6.68	1.84	0.00	0.00	0.00	5.87	14.39
1735	5.60	1.87	0.00	0.00	0.00	0.00	4.31	11.78	7.00	1.92	0.00	0.00	0.00	6.15	15.07
1750	0.26	0.09	0.00	0.00	0.00	0.00	0.21	0.56							
1755	0.27	0.10	0.00	0.00	0.00	0.00	0.22	0.59							
1760	0.28	0.10	0.00	0.00	0.00	0.00	0.23	0.61							
1765	0.29	0.11	0.00	0.00	0.00	0.00	0.24	0.64							
1770	0.33	0.12	0.00	0.00	0.00	0.00	0.27	0.72							
1775	0.42	0.16	0.00	0.00	0.00	0.00	0.35	0.93							
1780	0.50	0.18	0.00	0.00	0.00	0.00	0.41	1.09							
1785	0.58	0.21	0.00	0.00	0.00	0.00	0.47	1.26							
1795	0.13	0.05	0.00	0.00	0.00	0.00	0.11	0.29							
1800	0.16	0.06	0.00	0.00	0.00	0.00	0.13	0.35							
1805	0.21	0.08	0.00	0.00	0.00	0.00	0.17	0.46							
1810	0.29	0.11	0.00	0.00	0.00	0.00	0.24	0.64							
1815	0.37	0.14	0.00	0.00	0.00	0.00	0.30	0.81							
1825	0.53	0.20	0.00	0.00	0.00	0.00	0.44	1.17							
1830	0.55	0.20	0.00	0.00	0.00	0.00	0.45	1.20							
1835	0.58	0.21	0.00	0.00	0.00	0.00	0.47	1.26							
1840	0.76	0.28	0.00	0.00	0.00	0.00	0.62	1.66							
1845	0.79	0.29	0.00	0.00	0.00	0.00	0.65	1.73							
1850	1.14	0.42	0.00	0.00	0.00	0.00	0.93	2.49							
1855	1.36	0.50	0.00	0.00	0.00	0.00	1.12	2.98							
1865	0.60	0.22	0.00	0.00	0.00	0.00	0.49	1.31							
1870	0.67	0.25	0.00	0.00	0.00	0.00	0.55	1.47							
1875	0.78	0.29	0.00	0.00	0.00	0.00	0.64	1.71							
1880	0.87	0.32	0.00	0.00	0.00	0.00	0.71	1.90							
1885	1.02	0.38	0.00	0.00	0.00	0.00	0.83	2.23							
1900	0.30	0.10	0.00	0.00	0.00	0.00	0.23	0.63	0.38	0.10	0.00	0.00	0.00	0.33	0.81
1905	0.36	0.12	0.00	0.00	0.00	0.00	0.28	0.76	0.45	0.12	0.00	0.00	0.00	0.40	0.97
1910	0.44	0.15	0.00	0.00	0.00	0.00	0.34	0.93	0.55	0.15	0.00	0.00	0.00	0.49	1.19
1915	0.52	0.17	0.00	0.00	0.00	0.00	0.40	1.09	0.65	0.18	0.00	0.00	0.00	0.57	1.40
1920	0.61	0.21	0.00	0.00	0.00	0.00	0.47	1.29	0.77	0.21	0.00	0.00	0.00	0.67	1.65
1925	0.76	0.25	0.00	0.00	0.00	0.00	0.58	1.59	0.95	0.26	0.00	0.00	0.00	0.83	2.04
1930	0.84	0.28	0.00	0.00	0.00	0.00	0.64	1.76	1.05	0.29	0.00	0.00	0.00	0.92	2.26
1935	1.02	0.34	0.00	0.00	0.00	0.00	0.78	2.14	1.28	0.35	0.00	0.00	0.00	1.12	2.75
1940	1.08	0.36	0.00	0.00	0.00	0.00	0.83	2.27	1.35	0.37	0.00	0.00	0.00	1.19	2.91
1945	1.31	0.44	0.00	0.00	0.00	0.00	1.01	2.76	1.64	0.45	0.00	0.00	0.00	1.44	3.53
1950	1.42	0.47	0.00	0.00	0.00	0.00	1.09	2.98	1.77	0.49	0.00	0.00	0.00	1.56	3.82
1955	1.55	0.52	0.00	0.00	0.00	0.00	1.19	3.26	1.94	0.53	0.00	0.00	0.00	1.70	4.17
1960	1.72	0.57	0.00	0.00	0.00	0.00	1.32	3.61	2.15	0.59	0.00	0.00	0.00	1.89	4.63
1965	1.98	0.66	0.00	0.00	0.00	0.00	1.53	4.17	2.48	0.68	0.00	0.00	0.00	2.18	5.34
1970	2.16	0.72	0.00	0.00	0.00	0.00	1.66	4.54	2.70	0.74	0.00	0.00	0.00	2.37	5.81
1975	2.65	0.89	0.00	0.00	0.00	0.00	2.04	5.58	3.31	0.91	0.00	0.00	0.00	2.91	7.13
1980	3.05	1.02	0.00	0.00	0.00	0.00	2.34	6.41	3.81	1.05	0.00	0.00	0.00	3.35	8.21
1990	0.36	0.12	0.00	0.00	0.00	0.00	0.27	0.75	0.44	0.12	0.00	0.00	0.00	0.39	0.95
1995	0.44	0.15	0.00	0.00	0.00	0.00	0.34	0.93	0.55	0.15	0.00	0.00	0.00	0.48	1.18
2000	0.54	0.18	0.00	0.00	0.00	0.00	0.41	1.13	0.67	0.19	0.00	0.00	0.00	0.59	1.45
2005	0.64	0.22	0.00	0.00	0.00	0.00	0.49	1.35	0.80	0.22	0.00	0.00	0.00	0.71	1.73

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
2010	0.74	0.25	0.00	0.00	0.00	0.00	0.57	1.56	0.93	0.25	0.00	0.00	0.00	0.00	0.81	1.99
2015	0.89	0.30	0.00	0.00	0.00	0.00	0.68	1.87	1.11	0.30	0.00	0.00	0.00	0.00	0.97	2.38
2020	0.98	0.33	0.00	0.00	0.00	0.00	0.75	2.06	1.22	0.34	0.00	0.00	0.00	0.00	1.08	2.64
2025	1.18	0.39	0.00	0.00	0.00	0.00	0.90	2.47	1.47	0.40	0.00	0.00	0.00	0.00	1.29	3.16
2030	1.26	0.42	0.00	0.00	0.00	0.00	0.97	2.65	1.57	0.43	0.00	0.00	0.00	0.00	1.38	3.38
2035	1.61	0.54	0.00	0.00	0.00	0.00	1.24	3.39	2.01	0.55	0.00	0.00	0.00	0.00	1.77	4.33
2040	1.67	0.56	0.00	0.00	0.00	0.00	1.28	3.51	2.08	0.57	0.00	0.00	0.00	0.00	1.83	4.48
2045	1.90	0.64	0.00	0.00	0.00	0.00	1.46	4.00	2.38	0.65	0.00	0.00	0.00	0.00	2.09	5.12
2050	2.09	0.70	0.00	0.00	0.00	0.00	1.61	4.40	2.62	0.72	0.00	0.00	0.00	0.00	2.30	5.64
2055	2.51	0.84	0.00	0.00	0.00	0.00	1.93	5.28	3.11	0.86	0.00	0.00	0.00	0.00	2.75	6.74
2060	2.67	0.89	0.00	0.00	0.00	0.00	2.05	5.61	3.34	0.92	0.00	0.00	0.00	0.00	2.93	7.10
2065	3.40	1.14	0.00	0.00	0.00	0.00	2.61	7.15	4.25	1.17	0.00	0.00	0.00	0.00	3.74	9.16
2070	3.79	1.27	0.00	0.00	0.00	0.00	2.91	7.97	4.73	1.30	0.00	0.00	0.00	0.00	4.16	10.19
2080	1.42	0.48	0.00	0.00	0.00	0.00	1.09	2.99	1.78	0.49	0.00	0.00	0.00	0.00	1.56	3.83
2085	1.48	0.49	0.00	0.00	0.00	0.00	1.14	3.11	1.85	0.51	0.00	0.00	0.00	0.00	1.62	3.98
2090	1.65	0.55	0.00	0.00	0.00	0.00	1.27	3.47	2.07	0.57	0.00	0.00	0.00	0.00	1.82	4.46
2095	2.21	0.74	0.00	0.00	0.00	0.00	1.70	4.65	2.77	0.76	0.00	0.00	0.00	0.00	2.43	5.96
2100	2.47	0.83	0.00	0.00	0.00	0.00	1.90	5.20	3.09	0.85	0.00	0.00	0.00	0.00	2.72	6.66
2105	2.56	0.85	0.00	0.00	0.00	0.00	1.96	5.37	3.19	0.88	0.00	0.00	0.00	0.00	2.81	6.88
2110	2.74	0.91	0.00	0.00	0.00	0.00	2.10	5.75	3.42	0.94	0.00	0.00	0.00	0.00	3.01	7.37
2115	3.48	1.16	0.00	0.00	0.00	0.00	2.68	7.32	4.35	1.20	0.00	0.00	0.00	0.00	3.82	9.37
2120	3.58	1.20	0.00	0.00	0.00	0.00	2.75	7.53	4.47	1.23	0.00	0.00	0.00	0.00	3.93	9.63
2125	4.55	1.52	0.00	0.00	0.00	0.00	3.50	9.57	5.69	1.56	0.00	0.00	0.00	0.00	5.00	12.25
2130	4.73	1.58	0.00	0.00	0.00	0.00	3.63	9.94	5.91	1.62	0.00	0.00	0.00	0.00	5.19	12.72
2135	5.62	1.88	0.00	0.00	0.00	0.00	4.32	11.82	7.03	1.93	0.00	0.00	0.00	0.00	6.17	15.13
2140	5.99	2.00	0.00	0.00	0.00	0.00	4.60	12.59	7.49	2.06	0.00	0.00	0.00	0.00	6.58	16.13
2155	0.86	0.29	0.00	0.00	0.00	0.00	0.66	1.81	1.07	0.29	0.00	0.00	0.00	0.00	0.94	2.30
2160	1.10	0.37	0.00	0.00	0.00	0.00	0.85	2.32	1.37	0.38	0.00	0.00	0.00	0.00	1.21	2.96
2165	1.51	0.50	0.00	0.00	0.00	0.00	1.16	3.17	1.88	0.52	0.00	0.00	0.00	0.00	1.66	4.06
2170	1.99	0.67	0.00	0.00	0.00	0.00	1.53	4.19	2.49	0.68	0.00	0.00	0.00	0.00	2.19	5.36
2175	2.98	1.00	0.00	0.00	0.00	0.00	2.29	6.27	3.72	1.02	0.00	0.00	0.00	0.00	3.27	8.01
2180	3.40	1.14	0.00	0.00	0.00	0.00	2.61	7.15	4.25	1.17	0.00	0.00	0.00	0.00	3.73	9.15
2185	4.12	1.38	0.00	0.00	0.00	0.00	3.17	8.67	5.15	1.41	0.00	0.00	0.00	0.00	4.52	11.08
2190	5.00	1.67	0.00	0.00	0.00	0.00	3.85	10.52	6.25	1.72	0.00	0.00	0.00	0.00	5.50	13.47
2195	6.07	2.03	0.00	0.00	0.00	0.00	4.67	12.77	7.59	2.09	0.00	0.00	0.00	0.00	6.67	16.35
2200	7.04	2.35	0.00	0.00	0.00	0.00	5.42	14.81	8.80	2.42	0.00	0.00	0.00	0.00	7.74	18.96
2210	0.23	0.05	0.23	0.05	0.00	0.00	0.32	0.88								
2215	0.22	0.05	0.23	0.05	0.00	0.00	0.32	0.87								
2220	0.41	0.10	0.30	0.07	0.00	0.00	0.58	1.46								
2225	0.32	0.08	0.38	0.09	0.00	0.00	0.45	1.32								
2230	0.41	0.10	0.45	0.11	0.00	0.00	0.58	1.65								
2235	0.18	0.04	0.30	0.07	0.00	0.00	0.25	0.84								
2240	0.25	0.06	0.53	0.13	0.00	0.00	0.35	1.32								
2245	0.25	0.06	0.38	0.09	0.00	0.00	0.35	1.13								
2250	0.26	0.06	0.23	0.05	0.00	0.00	0.36	0.96								
2255	0.30	0.07	0.23	0.05	0.00	0.00	0.43	1.08								
2260	0.31	0.07	0.30	0.07	0.00	0.00	0.44	1.19								
2265	0.16	0.04	0.30	0.07	0.00	0.00	0.22	0.79								
2270	0.22	0.05	0.30	0.07	0.00	0.00	0.32	0.96								
2275	0.43	0.10	0.15	0.04	0.00	0.00	0.60	1.32								
2280	0.59	0.14	0.38	0.09	0.00	0.00	0.84	2.04								
2285	0.75	0.18	0.15	0.04	0.00	0.00	1.05	2.17								
2290	1.11	0.26	0.22	0.05	0.00	0.00	1.57	3.21								
2295	1.11	0.26	0.15	0.04	0.00	0.00	1.57	3.13								
2300	1.29	0.30	0.12	0.03	0.00	0.00	1.81	3.55								

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
2305	1.77	0.42	0.25	0.06	0.00	0.00	2.49	4.99								
2310	2.22	0.52	0.40	0.10	0.00	0.00	3.12	6.36								
2315	0.46	0.11	0.68	0.16	0.00	0.00	0.65	2.06								
2320	0.49	0.12	0.22	0.05	0.00	0.00	0.69	1.57								
2325	1.64	0.39	0.34	0.08	0.00	0.00	2.32	4.77								
2330	1.50	0.35	0.25	0.06	0.00	0.00	2.12	4.28								
2335	1.69	0.40	0.25	0.06	0.00	0.00	2.38	4.78								
2350	7.76	1.84	0.97	0.27	0.00	0.00	7.38	18.22								
2365	0.24	0.06	0.29	0.09	0.00	0.00	0.23	0.91								
2375	0.61	0.14	0.47	0.15	0.00	0.00	0.58	1.95								
2390	0.20	0.05	0.41	0.13	0.00	0.00	0.19	0.98								
2395	0.78	0.19	0.94	0.30	0.00	0.00	0.74	2.95								
2400	1.01	0.24	0.94	0.30	0.00	0.00	0.96	3.45								
2410	0.07	0.02	0.06	0.03	0.02	0.00	0.07	0.27								
2415	0.14	0.04	0.22	0.11	0.02	0.00	0.14	0.67								
2420	0.08	0.02	0.06	0.03	0.02	0.00	0.08	0.29								
2425	0.28	0.07	0.34	0.17	0.02	0.00	0.27	1.15								
2430	0.29	0.07	0.41	0.13	0.02	0.00	0.28	1.20								
2435	0.21	0.05	0.41	0.13	0.02	0.00	0.20	1.02								
2450	10.95	4.04	3.13	0.88	0.00	0.00	11.60	30.60								
2455	20.71	7.63	4.58	1.28	0.00	0.00	21.93	56.13								
2460	36.82	13.57	5.51	1.54	0.00	0.00	39.00	96.44								
2465	42.37	15.61	8.82	2.47	0.00	0.00	44.87	114.14								
2475	2.23	0.82	3.56	1.14	0.00	0.00	2.36	10.11								
2480	4.01	1.48	3.56	1.14	0.00	0.00	4.25	14.44								
2485	9.06	3.34	2.36	0.66	0.00	0.00	9.60	25.02								
2490	12.32	4.54	3.20	0.89	0.00	0.00	13.04	33.99								
2495	16.75	6.17	4.74	1.33	0.00	0.00	17.74	46.73								
2500	31.27	11.52	7.16	2.01	0.00	0.00	33.11	85.07								
2505	44.73	16.48	9.48	2.65	0.00	0.00	47.37	120.71								
2510	10.16	3.74	2.20	0.62	0.00	0.00	10.76	27.48								
2525	2.65	0.74	0.39	0.11	0.07	0.01	2.67	6.64								
2530	3.04	0.85	0.65	0.18	0.07	0.01	3.06	7.86								
2535	0.86	0.25	0.00	0.19	0.04	0.01	0.87	2.22								
2540	1.71	0.48	0.00	0.31	0.04	0.01	1.72	4.27								
2565	5.93	1.64	3.57	1.00	0.02	0.00	5.95	18.11								
2570	15.58	4.33	10.00	2.80	0.27	0.04	15.65	48.67								
2580	4.89	1.35	2.18	0.61	0.02	0.00	4.91	13.96								
2585	7.57	2.12	4.94	1.38	0.15	0.02	7.61	23.79								
2590	7.78	2.17	4.94	1.38	0.15	0.02	7.83	24.27								
2595	10.39	2.88	5.75	1.61	0.07	0.01	10.43	31.14								
2600	13.35	3.70	9.74	2.73	0.07	0.01	13.41	43.01								
2605	15.88	4.47	8.33	2.33	0.66	0.10	15.98	47.75								
2610	22.95	6.42	8.33	2.33	0.68	0.10	23.08	63.89								
2615	28.04	7.86	11.38	3.19	0.93	0.14	28.21	79.75								
2630	0.17	0.05	0.60	0.19	0.00	0.00	0.18	1.19								
2635	0.21	0.06	0.91	0.29	0.00	0.00	0.22	1.69								
2640	0.21	0.06	1.06	0.34	0.00	0.00	0.22	1.89								
2645	0.46	0.14	1.06	0.34	0.00	0.00	0.50	2.50								
2650	0.59	0.18	1.36	0.44	0.00	0.00	0.63	3.20								
2655	0.67	0.20	2.27	0.73	0.00	0.00	0.71	4.58								
2660	0.98	0.30	2.64	0.85	0.00	0.00	1.04	5.81								
2665	1.31	0.40	4.91	1.57	0.00	0.00	1.40	9.59								
2675	1.07	0.32	0.76	0.24	0.00	0.00	1.15	3.54								
2680	1.19	0.36	2.64	0.85	0.00	0.00	1.27	6.31								

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	
2685	0.13	0.04	0.60	0.19	0.00	0.00	0.13	1.09								
2690	0.19	0.06	0.83	0.27	0.00	0.00	0.20	1.55								
2695	0.20	0.06	0.38	0.12	0.00	0.00	0.22	0.98								
2700	0.59	0.18	1.36	0.44	0.00	0.00	0.63	3.20								
2705	0.78	0.24	2.64	0.85	0.00	0.00	0.83	5.34								
2710	1.31	0.40	4.91	1.57	0.00	0.00	1.40	9.59								
2730	16.31	7.93	1.98	0.40	0.00	0.00	14.72	41.34	18.82	8.02	2.51	0.50	0.00	0.00	19.11	48.96
2735	16.41	7.98	1.59	0.32	0.00	0.00	12.04	38.34	18.93	8.07	2.05	0.41	0.00	0.00	14.96	44.42
2745	17.89	8.70	1.59	0.32	0.00	0.00	13.12	41.62	20.64	8.80	2.05	0.41	0.00	0.00	16.30	48.20
2755	18.64	9.06	1.74	0.35	0.00	0.00	13.67	43.46	21.51	9.17	2.25	0.45	0.00	0.00	16.99	50.37
2765	22.27	10.83	2.92	0.58	0.00	0.00	20.11	56.71	25.70	10.96	3.70	0.74	0.00	0.00	26.10	67.20
2770	21.80	10.60	2.34	0.47	0.00	0.00	15.99	51.20	25.16	10.73	3.02	0.60	0.00	0.00	19.87	59.38
2780	19.25	11.09	2.34	0.51	0.00	0.00	16.29	49.48	21.66	11.18	3.02	0.66	0.00	0.00	19.55	56.07
2790	23.57	13.58	2.34	0.51	0.00	0.00	19.95	59.95	26.52	13.69	3.02	0.66	0.00	0.00	23.94	67.83
2800	32.15	18.52	4.00	0.88	0.00	0.00	27.21	82.76	36.17	18.67	5.16	1.14	0.00	0.00	32.65	93.79
2810	33.58	19.35	4.00	0.88	0.00	0.00	28.42	86.23	37.78	19.50	5.16	1.14	0.00	0.00	34.10	97.68
2815	32.34	18.63	4.99	1.10	0.00	0.00	32.85	89.91	36.38	18.78	6.33	1.39	0.00	0.00	41.06	103.94
2825	36.36	20.95	4.00	0.88	0.00	0.00	30.77	92.96	40.90	21.11	5.16	1.14	0.00	0.00	36.93	105.24
2835	34.39	21.87	4.00	0.96	0.00	0.00	32.99	94.21	38.21	22.01	5.16	1.24	0.00	0.00	38.81	105.43
2845	36.12	22.97	4.00	0.96	0.00	0.00	34.64	98.69	40.13	23.12	5.16	1.24	0.00	0.00	40.76	110.41
2865	11.83	5.04	1.17	0.37	0.00	0.00	7.34	25.75	13.98	5.12	1.51	0.48	0.00	0.00	9.46	30.55
2875	13.41	5.72	1.53	0.49	0.00	0.00	8.32	29.47	15.84	5.81	1.98	0.63	0.00	0.00	10.73	34.99
2885	13.10	6.37	1.56	0.31	0.00	0.00	9.61	30.95	15.12	6.45	2.01	0.40	0.00	0.00	11.94	35.92
2900	12.33	6.00	1.53	0.31	0.00	0.00	9.05	29.22	14.23	6.07	1.98	0.40	0.00	0.00	11.24	33.92
2910	15.37	7.47	1.53	0.31	0.00	0.00	11.27	35.95	17.73	7.56	1.98	0.40	0.00	0.00	14.01	41.68
2920	16.23	9.35	2.48	0.55	0.00	0.00	13.74	42.35	18.26	9.43	3.20	0.70	0.00	0.00	16.49	48.08
2930	19.25	11.09	2.90	0.64	0.00	0.00	16.29	50.17	21.66	11.18	3.74	0.82	0.00	0.00	19.55	56.95
2940	23.90	13.77	2.90	0.64	0.00	0.00	20.23	61.44	26.89	13.88	3.74	0.82	0.00	0.00	24.27	69.60
2950	27.90	16.07	3.41	0.75	0.00	0.00	23.61	71.74	31.38	16.20	4.41	0.97	0.00	0.00	28.33	81.29
2960	34.12	19.66	3.41	0.75	0.00	0.00	28.88	86.82	38.38	19.81	4.41	0.97	0.00	0.00	34.65	98.22
2970	41.97	26.70	6.26	1.50	0.00	0.00	40.26	116.69	46.64	26.87	8.09	1.94	0.00	0.00	47.36	130.90
2980	53.10	33.77	6.26	1.50	0.00	0.00	50.93	145.56	59.00	33.99	8.09	1.94	0.00	0.00	59.92	162.94
2990	87.33	55.55	8.35	2.00	0.00	0.00	83.77	237.00	97.03	55.90	10.79	2.59	0.00	0.00	98.55	264.86
3000	104.54	66.49	8.35	2.00	0.00	0.00	100.28	281.66	116.16	66.92	10.79	2.59	0.00	0.00	117.97	314.43
3015	23.09	13.30	4.99	1.10	0.00	0.00	23.45	65.93	25.98	13.41	6.33	1.39	0.00	0.00	29.32	76.43
3020	25.40	14.63	4.00	0.88	0.00	0.00	21.50	66.41	28.57	14.75	5.16	1.14	0.00	0.00	25.80	75.42
3030	30.01	17.29	4.18	0.92	0.00	0.00	25.40	77.80	33.76	17.43	5.39	1.19	0.00	0.00	30.48	88.25
3040	38.86	22.39	6.26	1.38	0.00	0.00	39.47	108.36	43.72	22.57	7.93	1.75	0.00	0.00	49.34	125.31
3045	37.57	23.90	5.01	1.20	0.00	0.00	36.04	103.72	41.75	24.05	6.47	1.55	0.00	0.00	42.40	116.22
3055	55.55	35.33	9.54	2.29	0.00	0.00	53.28	155.99	61.72	35.56	12.32	2.96	0.00	0.00	62.69	175.25
3060	54.98	34.97	11.92	2.86	0.00	0.00	62.04	166.77	61.08	35.19	15.10	3.62	0.00	0.00	75.83	190.82
3075	17.95	7.11	3.31	1.06	0.00	0.00	14.18	43.61	21.54	7.25	4.19	1.34	0.00	0.00	19.44	53.76
3080	13.10	6.37	2.64	0.53	0.00	0.00	9.61	32.25	15.11	6.44	3.42	0.68	0.00	0.00	11.94	37.59
3090	15.01	7.30	3.31	0.66	0.00	0.00	13.55	39.83	17.31	7.38	4.19	0.84	0.00	0.00	17.59	47.31
3095	13.68	6.65	2.64	0.53	0.00	0.00	10.04	33.54	15.79	6.73	3.42	0.68	0.00	0.00	12.47	39.09
3105	17.37	8.45	4.14	0.83	0.00	0.00	15.68	46.47	20.04	8.54	5.25	1.05	0.00	0.00	20.35	55.23
3110	17.28	8.40	3.31	0.66	0.00	0.00	12.68	42.33	19.94	8.50	4.28	0.86	0.00	0.00	15.75	49.33
3120	21.52	10.46	4.14	0.83	0.00	0.00	19.43	56.38	24.83	10.59	5.25	1.05	0.00	0.00	25.22	66.94
3125	17.61	10.14	3.31	0.73	0.00	0.00	14.90	46.69	19.81	10.23	4.28	0.94	0.00	0.00	17.88	53.14
3135	19.70	11.35	4.14	0.91	0.00	0.00	20.01	56.11	22.16	11.44	5.25	1.15	0.00	0.00	25.01	65.01
3140	20.38	11.74	3.31	0.73	0.00	0.00	17.25	53.41	22.92	11.83	4.28	0.94	0.00	0.00	20.69	60.66
3150	34.31	13.60	5.34	1.17	0.00	0.00	34.85	89.27	41.17	13.86	7.02	1.54	0.00	0.00	46.46	110.05
3155	23.64	11.50	4.58	0.92	0.00	0.00	21.35	61.99	27.28	11.63	5.80	1.16	0.00	0.00	27.71	73.58
3160	23.26	11.31	3.66	0.73	0.00	0.00	17.06	56.02	26.83	11.44	4.73	0.95	0.00	0.00	21.20	65.15
3170	21.68	12.49	5.29	1.16	0.00	0.00	22.02	62.64	24.39	12.59	6.70	1.47	0.00	0.00	27.53	72.68

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	
3175	21.36	12.31	4.23	0.93	0.00	0.00	18.08	56.91	24.03	12.41	5.47	1.20	0.00	0.00	21.70	64.81	
3185	54.55	21.63	7.27	1.60	0.00	0.00	55.40	140.45	65.46	22.03	9.55	2.10	0.00	0.00	73.87	173.01	
3190	31.22	17.99	6.23	1.37	0.00	0.00	31.71	88.52	35.12	18.13	7.89	1.74	0.00	0.00	39.63	102.51	
3195	32.52	18.74	4.98	1.10	0.00	0.00	27.53	84.87	36.59	18.89	6.44	1.42	0.00	0.00	33.03	96.37	
3205	30.30	19.27	7.93	1.90	0.00	0.00	34.19	93.59	33.66	19.40	10.05	2.41	0.00	0.00	41.79	107.31	
3210	35.23	20.30	6.35	1.40	0.00	0.00	29.82	93.10	39.64	20.46	8.20	1.80	0.00	0.00	35.79	105.89	
3220	29.49	16.99	7.31	1.61	0.00	0.00	24.96	80.36	33.18	17.13	9.44	2.08	0.00	0.00	29.95	91.78	
3235	9.50	3.77	1.62	0.52	0.00	0.00	7.51	22.92	11.40	3.84	2.05	0.66	0.00	0.00	10.29	28.24	
3240	8.90	3.80	1.29	0.41	0.00	0.00	5.53	19.93	10.52	3.86	1.67	0.54	0.00	0.00	7.12	23.71	
3255	17.08	8.30	2.26	0.45	0.00	0.00	15.42	43.51	19.70	8.40	2.87	0.57	0.00	0.00	20.01	51.55	
3260	15.27	8.80	1.81	0.40	0.00	0.00	12.93	39.21	17.18	8.87	2.34	0.51	0.00	0.00	15.51	44.41	
3275	22.14	12.75	3.27	0.72	0.00	0.00	22.48	61.36	24.90	12.86	4.14	0.91	0.00	0.00	28.10	70.91	
3280	24.59	14.17	2.62	0.58	0.00	0.00	20.81	62.77	27.67	14.28	3.38	0.74	0.00	0.00	24.98	71.05	
3290	23.78	13.70	4.52	1.00	0.00	0.00	24.16	67.16	26.76	13.81	5.73	1.26	0.00	0.00	30.19	77.75	
3295	25.11	14.47	3.62	0.80	0.00	0.00	21.25	65.25	28.25	14.58	4.67	1.03	0.00	0.00	25.50	74.03	
3305	30.93	17.82	4.52	1.00	0.00	0.00	31.42	85.69	34.80	17.96	5.73	1.26	0.00	0.00	39.27	99.02	
3310	30.53	19.42	3.62	0.87	0.00	0.00	29.28	83.72	33.92	19.54	4.67	1.12	0.00	0.00	34.45	93.70	
3320	43.69	27.79	4.57	1.10	0.00	0.00	41.90	119.05	48.54	27.96	5.90	1.42	0.00	0.00	49.30	133.12	
3335	2.75	1.45	1.41	0.42	0.20	0.03	2.18	8.44									
3340	3.52	1.85	2.14	0.64	0.26	0.04	2.79	11.24									
3350	5.95	3.20	2.87	0.86	0.94	0.14	4.73	18.69									
3355	6.34	3.40	2.53	0.76	0.94	0.14	5.03	19.14									
3360	7.12	3.84	2.53	0.76	1.23	0.18	5.66	21.32									
3365	7.55	4.06	2.53	0.76	1.23	0.18	6.00	22.31									
3370	7.81	4.20	2.53	0.76	1.27	0.19	6.21	22.97									
3375	10.43	5.59	3.44	1.03	1.12	0.17	8.29	30.07									
3380	10.76	5.81	3.44	1.03	1.86	0.28	8.56	31.74									
3385	11.11	5.99	3.53	1.06	1.86	0.28	8.84	32.67									
3390	14.35	7.77	4.36	1.31	2.71	0.41	11.42	42.33									
3395	17.05	9.28	4.36	1.31	3.56	0.53	13.58	49.67									
3400	21.10	11.41	4.58	1.38	3.83	0.58	16.79	59.67									
3405	27.40	14.90	6.17	1.85	5.64	0.85	21.83	78.64									
3410	51.13	27.80	11.28	3.39	10.47	1.57	40.73	146.37									
3420	6.17	3.30	2.51	0.75	0.88	0.13	4.90	18.64									
3425	7.07	3.77	2.67	0.80	0.88	0.13	5.61	20.93									
3430	7.39	3.94	2.67	0.80	0.94	0.14	5.87	21.75									
3435	7.64	4.11	2.67	0.80	1.22	0.18	6.08	22.70									
3440	8.14	4.37	2.67	0.80	1.22	0.18	6.47	23.85									
3445	8.40	4.50	2.67	0.80	1.22	0.18	6.68	24.45									
3450	10.10	5.45	3.97	1.19	1.73	0.26	8.04	30.74									
3460	7.21	3.85	2.82	0.85	0.95	0.14	5.72	21.54									
3465	7.28	3.89	2.82	0.85	0.95	0.14	5.78	21.71									
3470	7.74	4.13	2.82	0.85	0.95	0.14	6.15	22.78									
3475	7.78	4.15	2.82	0.85	0.95	0.14	6.18	22.87									
3480	9.61	5.13	3.42	1.02	1.22	0.18	7.63	28.21									
3485	9.90	5.28	3.42	1.02	1.22	0.18	7.86	28.88									
3490	10.25	5.45	3.42	1.02	1.22	0.18	8.14	29.68									
3495	13.57	7.37	4.45	1.34	2.71	0.41	10.80	40.65									
3500	13.98	7.62	4.45	1.34	3.03	0.45	11.14	42.01									
3505	14.53	7.91	4.45	1.34	3.03	0.45	11.57	43.28									
3510	18.62	10.13	5.18	1.55	3.83	0.58	14.84	54.73									
3520	5.37	2.83	2.60	0.78	0.45	0.07	4.26	16.36									
3525	5.53	2.93	2.60	0.78	0.55	0.08	4.38	16.85									
3530	5.71	3.02	2.60	0.78	0.55	0.08	4.53	17.27									
3535	6.54	3.50	2.60	0.78	0.95	0.14	5.20	19.71									

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
3540	7.20	3.84	3.88	1.16	0.95	0.14	5.71	22.88								
3545	11.82	6.46	3.88	1.16	2.71	0.41	9.42	35.86								
3550	14.73	7.97	4.14	1.24	2.71	0.41	11.72	42.92								
3555	16.43	9.00	4.67	1.40	3.83	0.58	13.11	49.02								
3570	9.99	5.86	4.03	1.05	0.67	0.10	6.79	28.49	11.24	5.91	5.31	1.38	0.82	0.12	8.27	33.05
3575	12.10	7.14	4.52	1.17	1.06	0.16	8.23	34.38	13.62	7.20	5.94	1.55	1.30	0.19	10.03	39.83
3580	14.06	8.27	4.69	1.22	1.08	0.16	9.55	39.03	15.82	8.34	6.18	1.61	1.32	0.20	11.64	45.11
3585	16.63	9.76	5.53	1.44	1.13	0.17	11.30	45.96	18.71	9.84	7.28	1.89	1.37	0.21	13.77	53.07
3590	16.65	10.89	6.13	1.59	1.96	0.29	13.21	50.72	18.50	10.96	8.06	2.10	2.44	0.37	15.72	58.15
3595	19.20	12.50	5.51	1.43	1.85	0.28	15.22	55.99	21.33	12.58	7.05	1.83	2.28	0.34	18.12	63.53
3600	27.56	19.68	6.03	1.57	3.19	0.48	24.99	83.50	30.32	19.78	7.68	2.00	3.94	0.59	29.20	93.51
3605	32.69	23.24	6.31	1.64	3.19	0.48	29.61	97.16	35.96	23.37	8.01	2.08	3.94	0.59	34.61	108.56
3615	10.69	5.30	4.41	1.59	0.66	0.10	6.05	28.80	12.33	5.36	5.80	2.09	0.82	0.12	7.68	34.20
3620	11.07	5.49	4.96	1.79	0.66	0.10	6.27	30.34	12.77	5.55	6.52	2.35	0.82	0.12	7.95	36.08
3625	9.57	5.62	4.96	1.29	0.66	0.10	6.50	28.70	10.77	5.66	6.52	1.70	0.82	0.12	7.92	33.51
3630	10.09	5.92	4.96	1.29	0.66	0.10	6.85	29.87	11.35	5.96	6.52	1.70	0.82	0.12	8.35	34.82
3635	11.75	6.93	5.25	1.36	1.02	0.15	7.99	34.45	13.22	6.99	6.90	1.79	1.25	0.19	9.73	40.07
3640	14.76	8.67	5.25	1.36	1.05	0.16	10.02	41.27	16.60	8.74	6.90	1.79	1.27	0.19	12.22	47.71
3650	10.69	5.30	4.63	1.67	0.67	0.10	6.05	29.11	12.33	5.37	6.09	2.19	0.83	0.12	7.68	34.61
3655	9.50	5.58	4.63	1.20	0.67	0.10	6.45	28.13	10.68	5.62	6.09	1.58	0.83	0.12	7.86	32.78
3660	9.77	5.73	4.63	1.20	0.67	0.10	6.63	28.73	10.99	5.78	6.09	1.58	0.83	0.12	8.08	33.47
3665	12.58	7.44	4.96	1.29	1.23	0.19	8.55	36.24	14.15	7.50	6.52	1.70	1.54	0.23	10.42	42.06
3670	13.39	7.90	4.96	1.29	1.23	0.19	9.10	38.06	15.06	7.97	6.52	1.70	1.54	0.23	11.09	44.11
3675	13.88	8.19	4.96	1.29	1.23	0.19	9.43	39.17	15.61	8.25	6.52	1.70	1.54	0.23	11.50	45.35
3680	14.81	9.64	7.38	1.92	1.44	0.22	11.74	47.15	16.46	9.70	9.71	2.53	1.79	0.27	13.98	54.44
3690	11.27	5.58	5.14	1.85	0.59	0.09	6.38	30.90	13.01	5.64	6.76	2.43	0.72	0.11	8.10	36.77
3695	11.92	7.03	5.38	1.40	1.03	0.15	8.10	35.01	13.41	7.08	7.08	1.84	1.26	0.19	9.87	40.73
3700	12.93	7.61	5.25	1.36	1.03	0.15	8.79	37.12	14.55	7.67	6.90	1.79	1.26	0.19	10.71	43.07
3705	14.50	9.49	7.10	1.85	1.73	0.26	11.50	46.43	16.11	9.55	9.34	2.43	2.14	0.32	13.70	53.59
3720	19.72	11.65	3.75	0.97	1.85	0.28	13.41	51.63	22.19	11.75	4.75	1.24	2.28	0.34	16.34	58.89
3725	18.09	11.80	3.75	0.97	1.85	0.28	14.35	51.09	20.11	11.87	4.75	1.24	2.28	0.34	17.08	57.67
3730	22.36	14.51	5.87	1.53	1.85	0.28	17.72	64.12	24.85	14.61	7.55	1.96	2.28	0.34	21.10	72.69
3735	23.97	15.60	6.48	1.68	2.25	0.34	19.01	69.33	26.64	15.70	8.26	2.15	2.78	0.42	22.63	78.58
3740	31.45	22.23	7.69	2.00	2.25	0.34	28.46	94.42	34.59	22.35	9.85	2.56	2.78	0.42	33.27	105.82
3745	43.97	31.32	8.46	2.20	4.66	0.70	39.84	131.15	48.37	31.49	10.75	2.79	5.75	0.86	46.57	146.58
3755	12.67	7.48	2.86	0.74	1.16	0.17	8.61	33.69	14.25	7.54	3.61	0.94	1.43	0.21	10.49	38.47
3760	16.74	9.93	3.64	0.95	1.85	0.28	11.39	44.78	18.83	10.01	4.61	1.20	2.28	0.34	13.88	51.15
3765	18.55	12.09	5.26	1.37	1.85	0.28	14.71	54.11	20.62	12.17	6.68	1.74	2.28	0.34	17.52	61.35
3770	21.75	14.15	5.26	1.37	2.02	0.30	17.25	62.10	24.17	14.24	6.68	1.74	2.49	0.37	20.53	70.22
3775	24.35	17.29	5.39	1.40	2.25	0.34	22.05	73.07	26.78	17.38	6.85	1.78	2.78	0.42	25.77	81.76
3780	37.60	26.69	9.16	2.38	3.37	0.51	34.05	113.76	41.35	26.83	11.72	3.05	4.17	0.62	39.79	127.53
3790	20.25	13.23	6.01	1.56	2.25	0.34	16.06	59.70	22.50	13.31	7.70	2.00	2.78	0.42	19.12	67.83
3795	22.09	14.40	6.16	1.60	2.25	0.34	17.52	64.36	24.54	14.49	7.88	2.05	2.78	0.42	20.85	73.01
3800	22.51	16.01	6.16	1.60	2.25	0.34	20.39	69.26	24.76	16.10	7.88	2.05	2.78	0.42	23.83	77.82
3805	27.63	19.64	6.46	1.68	2.57	0.39	25.03	83.40	30.39	19.74	8.25	2.15	3.14	0.47	29.25	93.39
3815	16.11	10.46	4.79	1.25	1.34	0.20	12.77	46.92	17.90	10.52	6.05	1.57	1.65	0.25	15.20	53.14
3820	21.65	14.12	5.31	1.38	2.25	0.34	17.17	62.22	24.06	14.21	6.72	1.75	2.78	0.42	20.45	70.39
3825	25.98	18.43	6.41	1.67	2.25	0.34	23.52	78.60	28.58	18.53	8.17	2.12	2.78	0.42	27.49	88.09
3830	55.42	39.10	10.32	2.68	3.47	0.52	50.14	161.65	60.96	39.31	13.23	3.44	4.28	0.64	58.60	180.46
3850	12.64	8.07	3.12	6.86	0.00	0.00	12.17	42.86								
3860	0.54	0.35	0.00	0.00	0.00	0.00	0.52	1.41								
3865	2.03	1.29	0.00	0.00	0.00	0.00	1.95	5.27								
3875	15.91	10.16	5.46	8.03	0.00	0.00	15.32	54.88								
3885	0.54	0.35	0.00	0.00	0.00	0.00	0.52	1.41								
3890	2.03	1.29	0.00	0.00	0.00	0.00	1.95	5.27								

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
3900	19.43	12.40	5.46	8.03	0.00	0.00	18.71	64.03								
3910	0.68	0.43	0.00	0.00	0.00	0.00	0.65	1.76								
3915	2.07	1.32	0.00	0.00	0.00	0.00	1.99	5.38								
3925	22.48	14.35	8.58	9.59	0.00	0.00	21.65	76.65								
3935	0.72	0.46	0.00	0.00	0.00	0.00	0.69	1.87								
3940	4.00	2.55	0.00	0.00	0.00	0.00	3.85	10.40								
3950	23.72	15.14	8.58	9.59	0.00	0.00	22.84	79.87								
3960	0.68	0.43	0.00	0.00	0.00	0.00	0.65	1.76								
3965	4.20	2.68	0.00	0.00	0.00	0.00	4.04	10.92								
3980	5.24	1.92	0.00	0.79	0.00	0.00	5.46	13.41								
3985	5.54	2.03	0.00	0.79	0.00	0.00	5.77	14.13								
3990	5.76	2.11	0.00	0.79	0.00	0.00	6.00	14.66								
3995	6.53	2.39	0.00	0.84	0.00	0.00	6.80	16.56								
4000	6.84	2.51	0.00	0.84	0.00	0.00	7.12	17.31								
4005	7.05	2.59	0.00	0.84	0.00	0.00	7.34	17.82								
4010	17.25	6.32	6.08	3.18	0.00	0.00	17.95	50.78								
4015	12.81	4.70	4.80	3.64	0.00	0.00	13.34	39.29								
4025	6.22	2.28	0.00	0.79	0.00	0.00	6.48	15.77								
4030	6.79	2.49	0.00	0.84	0.00	0.00	7.06	17.18								
4035	9.36	3.43	2.73	0.65	0.00	0.00	9.74	25.91								
4045	3.56	1.31	0.00	0.49	0.00	0.00	3.71	9.07								
4050	5.44	1.99	0.00	0.80	0.00	0.00	5.66	13.89								
4055	6.40	2.35	0.00	0.80	0.00	0.00	6.66	16.21								
4060	7.91	2.90	0.00	0.90	0.00	0.00	8.24	19.95								
4065	17.05	6.25	4.50	1.08	0.00	0.00	17.75	46.63								
4080	0.16	0.06	0.06	0.23	0.00	0.00	0.17	0.68								
4085	0.20	0.07	0.13	0.31	0.00	0.00	0.20	0.91								
4090	0.32	0.12	0.19	0.39	0.00	0.00	0.33	1.35								
4095	0.72	0.27	0.70	1.31	0.00	0.00	0.75	3.75								
4105	0.26	0.10	0.19	0.29	0.00	0.00	0.27	1.11								
4110	0.28	0.10	0.00	0.40	0.00	0.00	0.29	1.07								
4125	2.79	1.02	1.20	0.29	0.00	0.00	2.90	8.20								
4130	1.93	0.71	0.55	0.13	0.00	0.00	2.01	5.33								
4135	3.33	1.22	1.31	0.31	0.00	0.00	3.46	9.63								
4150	1.41	0.52	1.21	0.19	0.00	0.00	1.46	4.79								
4155	2.18	0.80	1.34	0.32	0.00	0.00	2.27	6.91								
4170	8.72	4.63	3.57	1.36	0.00	0.00	9.08	27.36								
4175	12.02	6.39	6.81	2.59	0.00	0.00	12.51	40.32								
4180	18.94	10.06	8.86	3.37	0.00	0.00	19.71	60.94								
4185	28.48	19.82	35.06	17.53	0.00	0.00	14.82	115.71								
4190	35.13	24.45	38.30	19.15	0.00	0.00	18.28	135.31								
4200	12.88	6.84	5.72	2.18	0.00	0.00	13.41	41.03								
4205	16.71	9.01	8.29	3.15	1.39	0.21	17.45	56.21								
4210	15.60	8.39	11.86	4.51	0.99	0.15	16.28	57.78								
4220	17.15	9.24	10.28	3.91	1.25	0.19	17.90	59.92								
4225	24.94	13.45	9.13	3.47	1.99	0.30	26.04	79.32								
4230	28.26	15.21	9.54	3.63	1.99	0.30	29.49	88.42								
4235	20.80	11.05	11.18	4.25	0.00	0.00	21.65	68.93								
4240	24.14	12.82	11.18	4.25	0.00	0.00	25.13	77.52								
4245	25.03	17.42	14.28	4.57	0.00	0.00	26.06	87.36								
4250	46.08	32.08	73.00	36.50	0.00	0.00	23.98	211.64								
4270	1.34	0.51	0.94	0.42	0.06	0.01	1.12	4.40								
4275	1.35	0.51	0.94	0.42	0.06	0.01	1.13	4.42								
4280	1.42	0.54	0.94	0.42	0.08	0.01	1.19	4.60								
4285	1.91	0.72	1.66	0.75	0.09	0.01	1.59	6.73								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
4290	1.94	0.73	1.66	0.75	0.09	0.01	1.62	6.80								
4295	2.14	0.81	2.44	1.10	0.09	0.01	1.79	8.38								
4300	2.66	1.01	2.76	1.24	0.14	0.02	2.22	10.05								
4305	2.79	1.05	2.76	1.24	0.12	0.02	2.33	10.31								
4310	2.93	1.10	2.76	1.24	0.09	0.01	2.44	10.57								
4315	1.34	0.50	2.03	0.49	0.03	0.00	1.12	5.51								
4320	1.66	0.63	2.63	0.63	0.12	0.02	1.39	7.08								
4325	1.65	0.65	2.63	0.63	0.22	0.03	1.39	7.20								
4330	2.35	0.89	3.45	0.83	0.15	0.02	1.97	9.66								
4335	2.37	0.90	3.45	0.83	0.15	0.02	1.99	9.71								
4340	2.47	0.94	3.45	0.83	0.15	0.02	2.07	9.93								
4345	3.63	1.38	1.45	0.35	0.23	0.03	3.04	10.11								
4350	3.91	1.49	1.54	0.37	0.23	0.03	3.27	10.84								
4355	5.09	1.97	2.75	0.66	0.50	0.07	4.28	15.32								
4360	5.66	2.18	2.75	0.66	0.50	0.07	4.75	16.57								
4365	5.96	2.29	2.75	0.66	0.50	0.08	5.00	17.24								
4370	6.38	2.47	2.75	0.66	0.65	0.10	5.36	18.37								
4375	2.36	0.91	1.50	0.36	0.21	0.03	1.98	7.35								
4380	2.41	0.93	1.50	0.36	0.21	0.03	2.02	7.46								
4385	2.91	1.11	1.50	0.36	0.21	0.03	2.44	8.56								
4390	2.94	1.16	1.50	0.36	0.39	0.06	2.48	8.89								
4400	1.26	0.49	3.45	0.83	0.14	0.02	1.06	7.25								
4405	1.84	0.71	4.38	1.05	0.15	0.02	1.54	9.69								
4410	3.67	1.39	6.35	1.53	0.19	0.03	3.07	16.23								
4415	4.90	1.90	6.96	1.67	0.51	0.08	4.12	20.14								
4420	5.77	2.22	6.96	1.67	0.51	0.08	4.84	22.05								
4425	5.75	2.23	6.96	1.67	0.59	0.09	4.83	22.12								
4430	6.28	2.41	6.96	1.67	0.50	0.08	5.26	23.16								
4435	12.80	4.91	10.41	2.50	1.04	0.16	10.73	42.55								
4455	1.81	0.50	3.26	0.78	0.00	0.00	1.24	7.59	2.07	0.51	4.29	1.03	0.00	0.00	1.65	9.55
4460	2.38	0.66	4.12	0.99	0.00	0.00	1.62	9.77	2.72	0.67	5.42	1.30	0.00	0.00	2.16	12.27
4465	2.56	0.71	4.85	1.16	0.00	0.00	1.75	11.03	2.93	0.72	6.38	1.53	0.00	0.00	2.33	13.89
4470	2.75	0.76	6.39	1.53	0.00	0.00	1.88	13.31	3.15	0.78	8.41	2.02	0.00	0.00	2.50	16.86
4475	3.15	0.87	8.15	1.96	0.00	0.00	2.15	16.28	3.60	0.89	10.73	2.58	0.00	0.00	2.87	20.67
4480	3.74	1.04	8.15	1.96	0.00	0.00	2.55	17.44	4.28	1.06	10.73	2.58	0.00	0.00	3.40	22.05
4485	4.17	1.16	9.92	2.38	0.00	0.00	2.85	20.48	4.77	1.18	13.05	3.13	0.00	0.00	3.80	25.93
4490	5.05	1.40	11.02	2.64	0.00	0.00	3.44	23.55	5.77	1.42	14.50	3.48	0.00	0.00	4.59	29.76
4495	6.85	1.90	14.33	3.44	0.00	0.00	4.67	31.19	7.83	1.93	18.85	4.52	0.00	0.00	6.23	39.36
4500	9.13	2.53	18.62	4.47	0.00	0.00	6.23	40.98	10.43	2.58	24.50	5.88	0.00	0.00	8.30	51.69
4505	12.42	3.44	27.55	6.61	0.00	0.00	8.47	58.49	14.19	3.51	36.25	8.70	0.00	0.00	11.30	73.95
4510	16.33	4.52	31.96	7.67	0.00	0.00	11.14	71.62	18.66	4.61	42.05	10.09	0.00	0.00	14.85	90.26
4520	0.09	0.02	0.27	0.07	0.00	0.00	0.06	0.51	0.10	0.03	0.36	0.09	0.00	0.00	0.08	0.66
4525	0.14	0.04	0.44	0.11	0.00	0.00	0.10	0.83	0.16	0.04	0.57	0.14	0.00	0.00	0.13	1.04
4530	0.18	0.05	0.66	0.16	0.00	0.00	0.12	1.17	0.21	0.05	0.86	0.21	0.00	0.00	0.17	1.50
4545	0.16	0.04	0.33	0.08	0.00	0.00	0.11	0.72	0.18	0.05	0.43	0.10	0.00	0.00	0.15	0.91
4550	0.36	0.10	0.77	0.18	0.00	0.00	0.25	1.66	0.42	0.10	1.00	0.24	0.00	0.00	0.33	2.09
4555	0.40	0.11	1.10	0.26	0.00	0.00	0.27	2.14	0.45	0.11	1.43	0.34	0.00	0.00	0.36	2.69
4560	0.42	0.12	0.13	0.03	0.00	0.00	0.29	0.99	0.48	0.12	0.17	0.04	0.00	0.00	0.38	1.19
4565	0.56	0.15	0.26	0.06	0.00	0.00	0.38	1.41	0.64	0.16	0.35	0.08	0.00	0.00	0.51	1.74
4570	0.80	0.22	0.48	0.12	0.00	0.00	0.55	2.17	0.92	0.23	0.64	0.15	0.00	0.00	0.73	2.67
4575	0.82	0.23	0.60	0.14	0.00	0.00	0.56	2.35	0.94	0.23	0.78	0.19	0.00	0.00	0.75	2.89
4580	1.22	0.34	1.39	0.33	0.00	0.00	0.83	4.11	1.40	0.35	1.83	0.44	0.00	0.00	1.11	5.13
4585	1.62	0.45	1.92	0.46	0.00	0.00	1.10	5.55	1.85	0.46	2.52	0.61	0.00	0.00	1.47	6.91
4590	1.86	0.51	2.25	0.54	0.00	0.00	1.27	6.43	2.12	0.52	2.96	0.71	0.00	0.00	1.69	8.00
4595	2.21	0.61	3.57	0.86	0.00	0.00	1.51	8.76	2.53	0.62	4.70	1.13	0.00	0.00	2.01	10.99

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
4600	2.32	0.64	3.57	0.86	0.00	0.00	1.58	8.97	2.65	0.65	4.70	1.13	0.00	0.00	2.11	11.24	
4605	2.68	0.74	4.63	1.11	0.00	0.00	1.83	10.99	3.07	0.76	6.09	1.46	0.00	0.00	2.44	13.82	
4610	3.18	0.88	6.08	1.46	0.00	0.00	2.17	13.77	3.64	0.90	8.00	1.92	0.00	0.00	2.89	17.35	
4620	0.10	0.03	0.27	0.07	0.00	0.00	0.07	0.54	0.11	0.03	0.36	0.09	0.00	0.00	0.09	0.68	
4625	0.11	0.03	0.38	0.09	0.00	0.00	0.07	0.68	0.13	0.03	0.50	0.12	0.00	0.00	0.10	0.88	
4630	0.15	0.04	0.44	0.11	0.00	0.00	0.10	0.84	0.18	0.04	0.57	0.14	0.00	0.00	0.14	1.07	
4635	0.19	0.05	0.55	0.13	0.00	0.00	0.13	1.05	0.22	0.05	0.71	0.17	0.00	0.00	0.18	1.33	
4640	0.20	0.06	0.88	0.21	0.00	0.00	0.14	1.49	0.23	0.06	1.14	0.27	0.00	0.00	0.19	1.89	
4645	0.19	0.05	0.88	0.21	0.00	0.00	0.13	1.46	0.22	0.05	1.14	0.27	0.00	0.00	0.18	1.86	
4660	6.30	3.18	2.54	0.86	0.45	0.07	5.08	18.48	7.56	3.23	3.33	1.13	0.61	0.09	7.11	23.06	
4665	7.19	3.62	2.74	0.93	0.45	0.07	5.80	20.80	8.63	3.68	3.60	1.22	0.61	0.09	8.12	25.95	
4670	7.87	3.96	2.74	0.93	0.50	0.07	6.34	22.41	9.44	4.02	3.60	1.22	0.67	0.10	8.88	27.93	
4675	7.89	3.99	3.04	1.04	0.58	0.09	6.37	23.00	9.47	4.05	4.00	1.36	0.78	0.12	8.92	28.70	
4680	11.01	5.65	3.65	1.24	1.26	0.19	8.93	31.93	13.22	5.73	4.80	1.63	1.71	0.26	12.50	39.85	
4685	15.94	8.20	5.07	1.73	1.97	0.30	12.93	46.14	19.12	8.32	6.67	2.27	2.67	0.40	18.10	57.55	
4695	6.17	3.14	2.74	0.93	0.55	0.08	4.99	18.60	7.41	3.18	3.60	1.22	0.74	0.11	6.99	23.25	
4700	7.38	3.75	3.09	1.05	0.63	0.09	5.96	21.95	8.86	3.80	4.06	1.38	0.85	0.13	8.35	27.43	
4705	7.61	3.86	3.65	1.24	0.63	0.09	6.14	23.22	9.13	3.91	4.80	1.63	0.85	0.13	8.60	29.05	
4710	8.37	4.23	4.26	1.45	0.63	0.09	6.76	25.79	10.05	4.30	5.60	1.90	0.85	0.13	9.46	32.29	
4715	5.80	2.95	2.74	0.93	0.55	0.08	4.69	17.74	6.96	3.00	3.60	1.22	0.74	0.11	6.56	22.19	
4720	6.40	3.26	3.09	1.05	0.63	0.09	5.18	19.70	7.68	3.31	4.06	1.38	0.85	0.13	7.25	24.66	
4725	6.93	3.53	3.65	1.24	0.63	0.09	5.60	21.67	8.32	3.58	4.80	1.63	0.85	0.13	7.85	27.16	
4730	7.88	3.99	4.26	1.45	0.63	0.09	6.37	24.67	9.46	4.05	5.60	1.90	0.85	0.13	8.91	30.90	
4735	8.81	4.56	4.26	1.45	1.26	0.19	7.16	27.69	10.57	4.63	5.60	1.90	1.71	0.26	10.02	34.69	
4745	3.47	1.75	1.38	0.47	0.25	0.04	2.80	10.16	4.16	1.78	1.81	0.62	0.34	0.05	3.92	12.68	
4750	5.38	2.74	2.64	0.90	0.50	0.07	4.35	16.58	6.46	2.78	3.47	1.18	0.67	0.10	6.09	20.75	
4755	5.77	2.95	2.94	1.00	0.58	0.09	4.67	18.00	6.93	2.99	3.87	1.32	0.78	0.12	6.54	22.55	
4760	6.09	3.15	3.25	1.10	0.84	0.13	4.95	19.51	7.31	3.20	4.27	1.45	1.14	0.17	6.93	24.47	
4770	6.17	3.12	2.54	0.86	0.45	0.07	4.98	18.19	7.41	3.17	3.33	1.13	0.61	0.09	6.98	22.72	
4775	6.71	3.38	2.94	1.00	0.45	0.07	5.41	19.96	8.05	3.43	3.87	1.32	0.61	0.09	7.58	24.95	
4780	7.07	3.57	2.94	1.00	0.50	0.07	5.71	20.86	8.49	3.62	3.87	1.32	0.67	0.10	7.99	26.06	
4785	7.91	4.00	3.55	1.21	0.58	0.09	6.38	23.72	9.49	4.06	4.67	1.59	0.78	0.12	8.93	29.64	
4790	8.21	4.14	4.00	1.36	0.58	0.09	6.62	25.00	9.85	4.21	5.26	1.79	0.78	0.12	9.27	31.28	
4795	9.19	4.64	4.00	1.36	0.63	0.09	7.41	27.32	11.03	4.71	5.26	1.79	0.85	0.13	10.38	34.15	
4805	5.04	2.56	1.73	0.59	0.45	0.07	4.08	14.52	6.05	2.60	2.27	0.77	0.61	0.09	5.71	18.10	
4810	6.26	3.16	2.54	0.86	0.45	0.07	5.05	18.39	7.51	3.21	3.33	1.13	0.61	0.09	7.07	22.95	
4815	7.38	3.73	2.54	0.86	0.55	0.08	5.96	21.10	8.86	3.79	3.33	1.13	0.74	0.11	8.34	26.30	
4820	7.15	3.62	3.04	1.04	0.55	0.08	5.77	21.25	8.58	3.67	4.00	1.36	0.74	0.11	8.08	26.54	
4825	8.33	4.20	3.04	1.04	0.55	0.08	6.71	23.95	9.99	4.26	4.00	1.36	0.74	0.11	9.40	29.86	
4835	5.89	3.00	2.64	0.90	0.55	0.08	4.77	17.83	7.07	3.04	3.47	1.18	0.74	0.11	6.67	22.28	
4840	7.03	3.57	2.94	1.00	0.63	0.09	5.68	20.94	8.43	3.63	3.87	1.32	0.85	0.13	7.95	26.18	
4845	9.54	4.92	4.06	1.38	1.26	0.19	7.75	29.10	11.45	5.00	5.34	1.81	1.71	0.26	10.84	36.41	
4850	15.29	7.88	5.68	1.93	1.97	0.30	12.41	45.46	18.35	8.00	7.47	2.54	2.67	0.40	17.37	56.80	
4860	5.83	2.98	2.27	0.77	0.62	0.09	4.72	17.28	7.00	3.03	2.99	1.02	0.84	0.13	6.61	21.62	
4865	6.77	3.46	3.09	1.05	0.68	0.10	5.48	20.63	8.12	3.51	4.06	1.38	0.92	0.14	7.67	25.80	
4870	7.49	3.81	3.45	1.17	0.68	0.10	6.05	22.75	8.98	3.86	4.54	1.54	0.92	0.14	8.47	28.45	
4885	0.48	0.18	0.00	0.10	0.00	0.00	0.46	1.22									
4890	0.77	0.29	0.00	0.19	0.00	0.00	0.73	1.98									
4895	0.93	0.35	0.00	0.30	0.00	0.00	0.89	2.47									
4900	2.42	0.89	0.00	0.41	0.00	0.00	2.30	6.02									
4910	5.83	2.15	2.20	0.53	0.00	0.00	5.54	16.25									
4915	7.88	2.91	2.20	0.53	0.00	0.00	7.49	21.01									
4920	12.13	4.48	2.87	0.69	0.00	0.00	11.53	31.70									
4925	13.50	4.99	3.31	0.79	0.00	0.00	12.84	35.43									
4940	11.99	4.03	2.94	1.12	0.00	0.00	10.83	30.91	15.99	4.18	3.87	1.47	0.00	0.00	16.50	42.01	

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	
4945	12.24	4.54	3.37	0.67	0.00	0.00	11.79	32.61	15.30	4.66	4.43	0.89	0.00	0.00	16.58	41.86
4950	14.59	5.41	4.24	0.85	0.00	0.00	14.05	39.14	18.24	5.55	5.58	1.12	0.00	0.00	19.76	50.25
4955	22.59	8.38	5.32	1.06	0.00	0.00	21.76	59.11	28.24	8.59	6.99	1.40	0.00	0.00	30.59	75.81
4960	31.56	12.51	6.62	1.46	0.00	0.00	32.05	84.20	37.87	12.74	8.70	1.91	0.00	0.00	42.73	103.95
4970	19.29	7.16	4.77	0.95	0.00	0.00	18.58	50.75	24.11	7.34	6.27	1.25	0.00	0.00	26.12	65.09
4975	23.28	8.64	6.25	1.25	0.00	0.00	22.42	61.84	29.10	8.85	8.22	1.64	0.00	0.00	31.53	79.34
4980	43.19	17.12	12.50	2.75	0.00	0.00	43.86	119.42	51.82	17.44	16.43	3.62	0.00	0.00	58.48	147.79
4995	7.13	2.39	2.31	0.88	0.00	0.00	6.44	19.15	9.51	2.48	3.04	1.16	0.00	0.00	9.81	26.00
5000	9.21	3.09	3.11	1.18	0.00	0.00	8.32	24.91	12.28	3.21	4.08	1.55	0.00	0.00	12.67	33.79
5005	9.99	3.71	4.02	0.80	0.00	0.00	9.62	28.14	12.49	3.80	5.28	1.06	0.00	0.00	13.53	36.16
5015	6.22	2.09	1.44	0.55	0.00	0.00	5.62	15.92	8.29	2.17	1.89	0.72	0.00	0.00	8.56	21.63
5020	7.81	2.62	1.91	0.73	0.00	0.00	7.05	20.12	10.41	2.72	2.51	0.95	0.00	0.00	10.74	27.33
5025	8.94	3.00	2.07	0.79	0.00	0.00	8.08	22.88	11.92	3.11	2.72	1.03	0.00	0.00	12.30	31.08
5030	11.05	3.71	2.13	0.81	0.00	0.00	9.98	27.68	14.74	3.85	2.80	1.06	0.00	0.00	15.21	37.66
5035	12.81	4.75	2.74	0.55	0.00	0.00	12.33	33.18	16.01	4.87	3.60	0.72	0.00	0.00	17.34	42.54
5040	24.16	8.97	4.36	0.87	0.00	0.00	23.27	61.63	30.20	9.19	5.74	1.15	0.00	0.00	32.72	79.00
5045	32.26	12.79	6.60	1.45	0.00	0.00	32.76	85.86	38.71	13.03	8.67	1.91	0.00	0.00	43.68	106.00
5055	10.01	3.36	1.75	0.66	0.00	0.00	9.04	24.82	13.35	3.49	2.29	0.87	0.00	0.00	13.78	33.78
5060	11.31	3.80	2.13	0.81	0.00	0.00	10.22	28.27	15.08	3.94	2.80	1.06	0.00	0.00	15.57	38.45
5065	13.06	4.85	3.09	0.62	0.00	0.00	12.58	34.20	16.33	4.97	4.06	0.81	0.00	0.00	17.69	43.86
5070	20.42	7.58	4.93	0.99	0.00	0.00	19.67	53.59	25.53	7.77	6.48	1.30	0.00	0.00	27.66	68.74
5080	15.73	5.28	2.94	1.12	0.00	0.00	14.20	39.27	20.97	5.48	3.87	1.47	0.00	0.00	21.65	53.44
5085	18.72	6.29	2.94	1.12	0.00	0.00	16.91	45.98	24.96	6.52	3.87	1.47	0.00	0.00	25.77	62.59
5090	21.72	8.06	5.52	1.10	0.00	0.00	20.92	57.32	27.14	8.26	7.26	1.45	0.00	0.00	29.41	73.52
5100	9.15	3.40	2.33	0.47	0.00	0.00	8.81	24.16	11.44	3.48	3.07	0.61	0.00	0.00	12.39	30.99
5105	14.30	5.31	3.19	0.64	0.00	0.00	13.78	37.22	17.88	5.44	4.19	0.84	0.00	0.00	19.37	47.72
5110	22.02	8.17	5.48	1.10	0.00	0.00	21.21	57.98	27.53	8.38	7.20	1.44	0.00	0.00	29.83	74.38
5115	28.32	11.23	9.66	2.13	0.00	0.00	28.76	80.10	33.98	11.44	12.70	2.79	0.00	0.00	38.35	99.26
5120	32.76	14.95	10.96	2.63	0.00	0.00	40.66	101.96	38.22	15.15	14.41	3.46	0.00	0.00	51.75	122.99
5125	57.85	26.40	16.24	3.90	0.00	0.00	71.81	176.20	67.49	26.76	21.34	5.12	0.00	0.00	91.40	212.11
5135	9.89	3.32	2.74	1.04	0.00	0.00	8.93	25.92	13.18	3.44	3.60	1.37	0.00	0.00	13.61	35.20
5140	11.89	3.99	3.25	1.23	0.00	0.00	10.74	31.10	15.85	4.14	4.27	1.62	0.00	0.00	16.37	42.25
5145	12.00	4.45	3.65	0.73	0.00	0.00	11.56	32.39	15.00	4.56	4.80	0.96	0.00	0.00	16.25	41.57
5150	18.57	6.89	5.18	1.04	0.00	0.00	17.88	49.56	23.21	7.06	6.80	1.36	0.00	0.00	25.15	63.58
5155	21.73	8.06	5.89	1.18	0.00	0.00	20.93	57.79	27.16	8.27	7.74	1.55	0.00	0.00	29.43	74.15
5160	27.11	10.75	8.12	1.79	0.00	0.00	27.54	75.31	32.54	10.95	10.67	2.35	0.00	0.00	36.72	93.23
5170	7.06	2.37	1.52	0.58	0.00	0.00	6.38	17.91	9.42	2.46	2.00	0.76	0.00	0.00	9.72	24.36
5175	10.01	3.36	2.54	0.96	0.00	0.00	9.04	25.91	13.35	3.49	3.33	1.27	0.00	0.00	13.78	35.22
5180	12.95	4.35	3.15	1.20	0.00	0.00	11.69	33.34	17.26	4.51	4.14	1.57	0.00	0.00	17.82	45.30
5185	13.63	5.06	3.65	0.73	0.00	0.00	13.13	36.20	17.03	5.18	4.80	0.96	0.00	0.00	18.46	46.43
5190	20.74	7.70	5.28	1.06	0.00	0.00	19.98	54.76	25.93	7.89	6.94	1.39	0.00	0.00	28.09	70.24
5200	3.93	1.32	0.93	0.35	0.00	0.00	3.55	10.08	5.24	1.37	1.23	0.47	0.00	0.00	5.41	13.72
5205	4.99	1.68	1.30	0.49	0.00	0.00	4.50	12.96	6.65	1.74	1.71	0.65	0.00	0.00	6.86	17.61
5210	6.77	2.28	1.50	0.57	0.00	0.00	6.12	17.24	9.03	2.36	1.97	0.75	0.00	0.00	9.32	23.43
5215	8.51	2.86	1.89	0.72	0.00	0.00	7.68	21.66	11.34	2.96	2.48	0.94	0.00	0.00	11.71	29.43
5220	9.61	3.57	2.48	0.50	0.00	0.00	9.25	25.41	12.01	3.65	3.25	0.65	0.00	0.00	13.01	32.57
5225	12.58	4.67	3.29	0.66	0.00	0.00	12.11	33.31	15.72	4.78	4.32	0.86	0.00	0.00	17.03	42.71
5230	22.08	8.20	5.22	1.04	0.00	0.00	21.27	57.81	27.60	8.40	6.86	1.37	0.00	0.00	29.91	74.14
5235	32.50	12.89	6.74	1.48	0.00	0.00	33.01	86.62	39.00	13.13	8.86	1.95	0.00	0.00	44.02	106.96
5240	40.39	16.01	8.53	1.88	0.00	0.00	41.03	107.84	48.47	16.31	11.21	2.47	0.00	0.00	54.70	133.16
5245	44.99	17.84	9.42	2.07	0.00	0.00	45.70	120.02	53.99	18.17	12.38	2.72	0.00	0.00	60.93	148.19
5250	56.13	25.61	13.48	3.24	0.00	0.00	69.67	168.13	65.48	25.96	17.72	4.25	0.00	0.00	88.68	202.09
5255	65.53	29.90	16.89	4.05	0.00	0.00	81.35	197.72	76.45	30.31	22.20	5.33	0.00	0.00	103.53	237.82
5265	8.12	2.73	1.66	0.63	0.00	0.00	7.34	20.48	10.83	2.83	2.19	0.83	0.00	0.00	11.18	27.86
5270	9.64	3.24	2.01	0.76	0.00	0.00	8.71	24.36	12.86	3.36	2.64	1.00	0.00	0.00	13.27	33.13

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
5275	10.86	4.03	2.40	0.48	0.00	0.00	10.46	28.23	13.57	4.13	3.15	0.63	0.00	0.00	14.70	36.18
5280	13.81	5.13	3.00	0.60	0.00	0.00	13.31	35.85	17.27	5.25	3.95	0.79	0.00	0.00	18.71	45.97
5285	16.72	6.20	4.00	0.80	0.00	0.00	16.10	43.82	20.90	6.36	5.26	1.05	0.00	0.00	22.64	56.21
5290	35.75	14.17	8.20	1.80	0.00	0.00	36.31	96.23	42.90	14.44	10.78	2.37	0.00	0.00	48.41	118.90
5300	12.28	4.56	3.09	0.62	0.00	0.00	11.83	32.38	15.35	4.67	4.06	0.81	0.00	0.00	16.64	41.53
5305	19.88	7.38	4.63	0.93	0.00	0.00	19.15	51.97	24.85	7.56	6.08	1.22	0.00	0.00	26.93	56.64
5310	24.67	9.15	6.17	1.23	0.00	0.00	23.76	64.98	30.83	9.38	8.11	1.62	0.00	0.00	33.41	83.35
5325	4.21	2.14	1.56	0.56	0.53	0.08	2.39	11.47	4.86	2.16	2.06	0.74	0.64	0.10	3.04	13.60
5330	5.31	2.67	2.07	0.75	0.53	0.08	3.01	14.42	6.12	2.70	2.73	0.98	0.64	0.10	3.82	17.09
5335	5.97	2.99	2.25	0.81	0.53	0.08	3.38	16.01	6.88	3.02	2.96	1.06	0.64	0.10	4.29	18.95
5340	6.37	3.76	2.73	0.71	0.53	0.08	4.33	18.51	7.17	3.79	3.60	0.93	0.64	0.10	5.28	21.51
5350	7.27	3.60	2.75	0.99	0.37	0.06	4.11	19.15	8.39	3.64	3.62	1.30	0.45	0.07	5.22	22.69
5355	7.82	3.90	3.80	1.37	0.61	0.09	4.43	22.02	9.02	3.94	4.84	1.74	0.75	0.11	5.62	26.02
5360	10.55	5.22	4.94	1.81	0.56	0.08	5.97	29.13	12.18	5.28	6.47	2.37	0.69	0.10	7.58	34.67
5365	12.79	6.34	4.27	1.54	0.76	0.11	7.24	33.05	14.76	6.41	5.45	1.96	0.95	0.14	9.19	38.86
5370	13.96	8.20	7.59	1.97	1.02	0.15	9.48	42.37	15.70	8.27	9.74	2.53	1.26	0.19	11.55	49.24
5385	1.31	0.50	0.00	0.40	0.00	0.00	1.34	3.55	1.64	0.51	0.00	0.40	0.00	0.00	1.89	4.44
5390	1.58	0.60	0.00	0.30	0.00	0.00	1.62	4.10	1.98	0.61	0.00	0.30	0.00	0.00	2.28	5.17
5395	1.78	0.67	0.00	0.30	0.00	0.00	1.82	4.57	2.22	0.69	0.00	0.30	0.00	0.00	2.56	5.77
5400	0.85	0.32	0.00	0.25	0.00	0.00	0.87	2.29	1.07	0.33	0.00	0.25	0.00	0.00	1.23	2.88
5405	1.46	0.55	0.00	0.30	0.00	0.00	1.50	3.81	1.83	0.57	0.00	0.30	0.00	0.00	2.11	4.81
5410	2.31	0.88	0.00	0.40	0.00	0.00	2.37	5.96	2.89	0.90	0.00	0.40	0.00	0.00	3.33	7.52
5415	1.83	0.69	0.00	0.50	0.00	0.00	1.87	4.89	2.28	0.71	0.00	0.50	0.00	0.00	2.63	6.12
5420	1.43	0.54	0.00	0.30	0.00	0.00	1.47	3.74	1.79	0.56	0.00	0.30	0.00	0.00	2.07	4.72
5435	1.79	0.29	1.55	0.37	0.04	0.01	1.20	5.25								
5440	2.08	0.33	1.68	0.40	0.04	0.01	1.40	5.94								
5445	2.33	0.37	0.87	0.21	0.04	0.01	1.56	5.39								
5450	2.11	0.34	0.60	0.14	0.04	0.01	1.42	4.66								
5455	2.27	0.36	0.76	0.18	0.04	0.01	1.53	5.15								
5460	2.06	0.33	2.96	0.71	0.04	0.01	1.39	7.50								
5470	0.14	0.02	0.27	0.06	0.00	0.00	0.09	0.58								
5475	0.22	0.04	0.47	0.11	0.04	0.01	0.15	1.04								
5480	0.31	0.05	0.74	0.18	0.04	0.01	0.21	1.54								
5485	0.49	0.08	0.74	0.18	0.04	0.01	0.33	1.87								
5490	1.36	0.22	1.14	0.27	0.03	0.01	0.91	3.94								
5495	2.24	0.36	0.46	0.11	0.04	0.01	1.51	4.73								
5500	1.92	0.31	1.34	0.32	0.04	0.01	1.29	5.23								
5505	2.62	0.42	1.82	0.44	0.04	0.01	1.76	7.11								
5510	2.79	0.44	0.60	0.14	0.04	0.01	1.87	5.89								
5525	1.27	0.44	0.43	0.10	0.07	0.01	2.45	4.77								
5535	0.91	0.32	0.43	0.10	0.07	0.01	1.76	3.60								
5540	0.78	0.28	0.29	0.07	0.07	0.01	1.51	3.01								
5545	0.99	0.35	1.00	0.24	0.07	0.01	1.91	4.57								
5550	1.14	0.40	0.43	0.10	0.07	0.01	2.21	4.36								
5560	1.00	0.35	0.17	0.04	0.07	0.01	1.93	3.57								
5565	1.33	0.46	0.35	0.08	0.07	0.01	2.57	4.87								
5570	1.58	0.54	0.43	0.10	0.07	0.01	3.03	5.76								
5585	2.51	0.99	0.62	0.17	0.84	0.13	2.72	7.98	3.14	1.02	0.81	0.23	1.31	0.20	3.78	10.49
5595	0.58	0.21	0.00	0.00	0.00	0.00	0.62	1.41	0.73	0.22	0.00	0.00	0.00	0.00	0.86	1.81
5600	0.78	0.29	0.07	0.02	0.00	0.00	0.83	1.99	0.97	0.29	0.09	0.02	0.00	0.00	1.16	2.53
5605	0.11	0.04	0.00	0.00	0.00	0.00	0.12	0.27	0.14	0.04	0.00	0.00	0.00	0.00	0.17	0.35
5610	0.57	0.21	0.00	0.00	0.00	0.00	0.61	1.39	0.71	0.22	0.00	0.00	0.00	0.00	0.85	1.78
5615	0.33	0.12	0.00	0.00	0.00	0.00	0.36	0.81	0.42	0.13	0.00	0.00	0.00	0.00	0.49	1.04
5620	0.50	0.18	0.00	0.00	0.00	0.00	0.53	1.21	0.62	0.19	0.00	0.00	0.00	0.00	0.74	1.55
5625	0.72	0.26	0.00	0.00	0.00	0.00	0.77	1.75	0.90	0.27	0.00	0.00	0.00	0.00	1.06	2.23

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE		
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR		
5630	0.10	0.04	0.00	0.00	0.00	0.00	0.11	0.25	0.12	0.04	0.00	0.00	0.00	0.00	0.15	0.31	
5635	2.78	1.10	0.93	0.26	1.02	0.15	3.01	9.25	3.47	1.13	1.22	0.34	1.61	0.24	4.18	12.19	
5645	0.68	0.25	0.00	0.00	0.00	0.00	0.73	1.66	0.85	0.26	0.00	0.00	0.00	0.00	1.01	2.12	
5650	0.83	0.31	0.07	0.02	0.00	0.00	0.89	2.12	1.04	0.31	0.09	0.02	0.00	0.00	1.24	2.70	
5655	0.11	0.04	0.00	0.00	0.00	0.00	0.12	0.27	0.14	0.04	0.00	0.00	0.00	0.00	0.17	0.35	
5660	0.57	0.21	0.00	0.00	0.00	0.00	0.61	1.39	0.71	0.22	0.00	0.00	0.00	0.00	0.85	1.78	
5665	0.42	0.15	0.00	0.00	0.00	0.00	0.45	1.02	0.52	0.16	0.00	0.00	0.00	0.00	0.62	1.30	
5670	0.59	0.22	0.00	0.00	0.00	0.00	0.63	1.44	0.73	0.22	0.00	0.00	0.00	0.00	0.87	1.82	
5675	0.80	0.30	0.00	0.00	0.00	0.00	0.86	1.96	1.01	0.30	0.00	0.00	0.00	0.00	1.20	2.51	
5680	0.10	0.04	0.00	0.00	0.00	0.00	0.11	0.25	0.12	0.04	0.00	0.00	0.00	0.00	0.15	0.31	
5685	3.11	1.25	1.23	0.35	1.36	0.20	3.39	10.89	3.89	1.28	1.62	0.45	2.13	0.32	4.70	14.39	
5695	0.72	0.27	0.00	0.00	0.00	0.00	0.77	1.76	0.90	0.27	0.00	0.00	0.00	0.00	1.07	2.24	
5700	0.90	0.33	0.11	0.03	0.00	0.00	0.96	2.33	1.12	0.34	0.14	0.04	0.00	0.00	1.33	2.97	
5705	0.11	0.04	0.00	0.00	0.00	0.00	0.12	0.27	0.14	0.04	0.00	0.00	0.00	0.00	0.17	0.35	
5710	0.57	0.21	0.00	0.00	0.00	0.00	0.61	1.39	0.71	0.22	0.00	0.00	0.00	0.00	0.85	1.78	
5715	0.46	0.17	0.00	0.00	0.00	0.00	0.50	1.13	0.58	0.18	0.00	0.00	0.00	0.00	0.69	1.45	
5720	0.66	0.24	0.00	0.00	0.00	0.00	0.70	1.60	0.82	0.25	0.00	0.00	0.00	0.00	0.98	2.05	
5725	0.97	0.36	0.00	0.00	0.00	0.00	1.04	2.37	1.22	0.37	0.00	0.00	0.00	0.00	1.45	3.04	
5730	0.10	0.04	0.00	0.00	0.00	0.00	0.11	0.25	0.12	0.04	0.00	0.00	0.00	0.00	0.15	0.31	
5735	4.02	1.62	1.85	0.52	1.88	0.28	4.38	14.55	5.03	1.66	2.44	0.68	2.96	0.44	6.08	19.29	
5745	0.88	0.33	0.00	0.00	0.00	0.00	0.94	2.15	1.10	0.33	0.00	0.00	0.00	0.00	1.31	2.74	
5750	1.15	0.43	0.11	0.03	0.00	0.00	1.23	2.95	1.44	0.44	0.14	0.04	0.00	0.00	1.71	3.77	
5755	0.11	0.04	0.00	0.00	0.00	0.00	0.12	0.27	0.14	0.04	0.00	0.00	0.00	0.00	0.17	0.35	
5760	0.57	0.21	0.00	0.00	0.00	0.00	0.61	1.39	0.71	0.22	0.00	0.00	0.00	0.00	0.85	1.78	
5765	0.60	0.22	0.00	0.00	0.00	0.00	0.65	1.47	0.76	0.23	0.00	0.00	0.00	0.00	0.90	1.89	
5770	0.77	0.29	0.00	0.00	0.00	0.00	0.83	1.89	0.97	0.29	0.00	0.00	0.00	0.00	1.15	2.41	
5775	0.10	0.04	0.00	0.00	0.00	0.00	0.11	0.25	0.12	0.04	0.00	0.00	0.00	0.00	0.15	0.31	
5780	7.21	2.78	2.82	0.79	1.45	0.22	7.78	23.05	9.01	2.85	3.71	1.04	2.23	0.33	10.81	29.98	
5790	1.08	0.40	0.00	0.00	0.00	0.00	1.16	2.64	1.35	0.41	0.00	0.00	0.00	0.00	1.61	3.37	
5795	0.11	0.04	0.00	0.00	0.00	0.00	0.12	0.27	0.14	0.04	0.00	0.00	0.00	0.00	0.17	0.35	
5800	0.57	0.21	0.00	0.00	0.00	0.00	0.61	1.39	0.72	0.22	0.00	0.00	0.00	0.00	0.85	1.79	
5805	0.88	0.33	0.00	0.00	0.00	0.00	0.94	2.15	1.10	0.33	0.00	0.00	0.00	0.00	1.31	2.74	
5810	1.29	0.48	0.00	0.00	0.00	0.00	1.38	3.15	1.61	0.49	0.00	0.00	0.00	0.00	1.92	4.02	
5815	1.82	0.67	0.00	0.00	0.00	0.00	1.94	4.43	2.27	0.69	0.00	0.00	0.00	0.00	2.70	5.66	
5820	0.10	0.04	0.00	0.00	0.00	0.00	0.11	0.25	0.12	0.04	0.00	0.00	0.00	0.00	0.15	0.31	
5825	12.79	5.09	2.75	0.77	5.39	0.81	13.90	41.50	15.98	5.22	3.62	1.01	8.54	1.28	19.30	54.95	
5830	14.31	5.66	4.08	1.14	5.50	0.82	15.53	47.04	17.89	5.80	5.36	1.50	8.72	1.31	21.57	62.15	
5835	14.50	5.85	4.08	1.14	7.60	1.14	15.81	50.12	18.12	5.99	5.36	1.50	12.14	1.82	21.95	66.88	
5840	16.69	6.73	6.39	1.79	8.99	1.35	18.19	60.13	20.86	6.90	8.41	2.35	14.38	2.16	25.27	80.33	
5845	16.04	6.29	4.08	1.14	5.39	0.81	17.38	51.13	20.05	6.45	5.36	1.50	8.54	1.28	24.13	67.31	
5850	16.99	6.65	4.08	1.14	5.50	0.82	18.39	53.57	21.23	6.81	5.36	1.50	8.72	1.31	25.55	70.48	
5855	19.09	7.54	6.39	1.79	7.60	1.14	20.72	64.27	23.87	7.73	8.41	2.35	12.14	1.82	28.78	85.10	
5860	21.06	8.35	6.39	1.79	8.99	1.35	22.87	70.80	26.32	8.56	8.41	2.35	14.38	2.16	31.76	93.94	
5870	1.31	0.48	0.00	0.00	0.00	1.40		3.19	1.64	0.50	0.00	0.00	0.00	0.00	1.95	4.09	
5875	1.72	0.64	0.00	0.00	0.00	1.84		4.20	2.15	0.65	0.00	0.00	0.00	0.00	2.56	5.36	
5880	1.97	0.73	0.00	0.00	0.00	2.11		4.81	2.46	0.75	0.00	0.00	0.00	0.00	2.93	6.14	
5885	1.98	0.73	0.00	0.00	0.00	2.12		4.83	2.47	0.75	0.00	0.00	0.00	0.00	2.94	6.16	
5900	4.77	1.81	1.50	0.57	0.00	7.65		16.30	5.97	1.85	1.97	0.75	0.00	0.00	9.94	20.48	
5905	5.25	1.99	1.85	0.70	0.00	8.41		18.20	6.57	2.04	2.44	0.93	0.00	0.00	10.94	22.92	
5910	7.08	2.68	2.62	0.99	0.00	11.34		24.71	8.85	2.75	3.45	1.31	0.00	0.00	14.75	31.11	
5915	8.28	3.14	3.33	1.27	0.00	0.00	13.27		29.29	10.36	3.21	4.38	1.67	0.00	0.00	17.25	36.87
5925	3.37	1.28	1.55	0.59	0.00	5.40		12.19	4.21	1.31	2.04	0.77	0.00	0.00	7.01	15.34	
5930	3.72	1.41	1.55	0.59	0.00	5.97		13.24	4.66	1.44	2.04	0.77	0.00	0.00	7.75	16.66	
5935	6.29	2.38	1.90	0.72	0.00	10.08		21.37	7.87	2.44	2.51	0.95	0.00	0.00	13.10	26.87	
5940	6.46	2.45	1.90	0.72	0.00	10.35		21.88	8.08	2.51	2.51	0.95	0.00	0.00	13.45	27.50	

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
5945	7.95	3.01	2.62	0.99	0.00	0.00	12.73	27.30	9.93	3.08	3.45	1.31	0.00	0.00	16.55	34.32
5950	8.19	3.10	2.62	0.99	0.00	0.00	13.13	28.03	10.24	3.18	3.45	1.31	0.00	0.00	17.06	35.24
5955	10.47	3.96	3.57	1.36	0.00	0.00	16.77	36.13	13.09	4.06	4.70	1.79	0.00	0.00	21.80	45.44
5960	10.66	4.03	3.57	1.36	0.00	0.00	17.07	36.69	13.32	4.13	4.70	1.79	0.00	0.00	22.19	46.13
5965	15.45	5.85	4.99	1.90	0.00	0.00	24.75	52.94	19.32	5.99	6.58	2.50	0.00	0.00	32.18	66.57
5970	15.86	6.00	4.99	1.90	0.00	0.00	25.40	54.15	19.82	6.15	6.58	2.50	0.00	0.00	33.02	68.07
5980	3.64	1.38	1.50	0.57	0.00	0.00	5.82	12.91	4.54	1.41	1.97	0.75	0.00	0.00	7.57	16.24
5985	4.41	1.67	1.85	0.70	0.00	0.00	7.06	15.69	5.51	1.71	2.44	0.93	0.00	0.00	9.17	19.76
5990	5.14	1.95	2.07	0.79	0.00	0.00	8.23	18.18	6.43	1.99	2.72	1.04	0.00	0.00	10.71	22.89
5995	6.87	2.60	2.90	1.10	0.00	0.00	11.00	24.47	8.59	2.66	3.82	1.45	0.00	0.00	14.30	30.82
6000	9.12	3.45	3.57	1.36	0.00	0.00	14.61	32.11	11.40	3.54	4.70	1.79	0.00	0.00	19.00	40.43
6005	13.19	4.99	5.30	2.02	0.00	0.00	21.12	46.62	16.48	5.11	6.98	2.65	0.00	0.00	27.46	58.68
6015	4.02	1.52	1.55	0.59	0.00	0.00	6.44	14.12	5.03	1.56	2.04	0.77	0.00	0.00	8.37	17.77
6020	5.13	1.94	1.85	0.70	0.00	0.00	8.22	17.84	6.41	1.99	2.44	0.93	0.00	0.00	10.68	22.45
6025	8.02	3.03	3.09	1.17	0.00	0.00	12.84	28.15	10.02	3.11	4.07	1.55	0.00	0.00	16.69	35.44
6030	11.74	4.45	4.52	1.72	0.00	0.00	18.81	41.24	14.68	4.55	5.95	2.26	0.00	0.00	24.45	51.89
6040	2.96	1.12	1.00	0.38	0.00	0.00	4.74	10.20	3.70	1.15	1.32	0.50	0.00	0.00	6.16	12.83
6045	3.87	1.46	1.66	0.63	0.00	0.00	6.19	13.81	4.83	1.50	2.19	0.83	0.00	0.00	8.05	17.40
6050	4.80	1.82	1.85	0.70	0.00	0.00	7.68	16.85	6.00	1.86	2.44	0.93	0.00	0.00	9.99	21.22
6055	7.07	2.68	2.85	1.08	0.00	0.00	11.33	25.01	8.84	2.74	3.76	1.43	0.00	0.00	14.72	31.49
6060	8.25	3.12	3.33	1.27	0.00	0.00	13.22	29.19	10.31	3.20	4.38	1.67	0.00	0.00	17.18	36.74
6065	12.26	4.64	4.76	1.81	0.00	0.00	19.63	43.10	15.32	4.75	6.26	2.38	0.00	0.00	25.52	54.23
6075	3.60	1.36	1.57	0.60	0.00	0.00	5.77	12.90	4.51	1.40	2.07	0.79	0.00	0.00	7.51	16.28
6080	5.16	1.96	2.14	0.81	0.00	0.00	8.27	18.34	6.46	2.00	2.82	1.07	0.00	0.00	10.75	23.10
6085	6.63	2.51	2.62	0.99	0.00	0.00	10.62	23.37	8.29	2.57	3.45	1.31	0.00	0.00	13.81	29.43
6090	8.43	3.19	3.21	1.22	0.00	0.00	13.50	29.55	10.54	3.27	4.23	1.61	0.00	0.00	17.55	37.20
6095	10.06	3.81	3.80	1.45	0.00	0.00	16.11	35.23	12.57	3.90	5.01	1.90	0.00	0.00	20.94	44.32
6100	12.18	4.61	4.76	1.81	0.00	0.00	19.51	42.87	15.23	4.73	6.26	2.38	0.00	0.00	25.37	53.97
6105	23.93	9.06	8.32	3.16	0.00	0.00	38.34	82.81	29.92	9.28	10.96	4.17	0.00	0.00	49.84	104.17
6120	0.62	0.27	0.88	0.28	0.10	0.01	0.58	2.74	0.78	0.27	1.14	0.37	0.18	0.03	0.78	3.55
6125	0.75	0.32	0.33	0.14	0.10	0.01	0.70	2.35	0.94	0.33	0.43	0.18	0.18	0.03	0.94	3.03
6130	0.85	0.36	1.26	0.40	0.08	0.01	0.80	3.76	1.07	0.37	1.64	0.53	0.16	0.02	1.07	4.86
6135	0.96	0.41	0.48	0.20	0.08	0.01	0.90	3.04	1.20	0.42	0.64	0.27	0.16	0.02	1.21	3.92
6140	1.14	0.48	0.62	0.26	0.09	0.01	1.06	3.66	1.42	0.49	0.81	0.34	0.17	0.03	1.42	4.68
6145	1.05	0.44	1.75	0.56	0.09	0.01	0.98	4.88	1.31	0.45	2.28	0.73	0.17	0.03	1.31	6.28
6150	1.21	0.51	1.86	0.60	0.09	0.01	1.13	5.41	1.51	0.52	2.43	0.78	0.17	0.03	1.51	6.95
6155	1.30	0.55	0.79	0.33	0.09	0.01	1.21	4.28	1.62	0.56	1.04	0.44	0.17	0.03	1.62	5.48
6160	1.62	0.71	1.19	0.50	0.31	0.05	1.53	5.91	2.02	0.72	1.57	0.66	0.59	0.09	2.05	7.70
6165	2.02	0.88	1.52	0.64	0.35	0.05	1.91	7.37	2.53	0.90	2.00	0.84	0.66	0.10	2.55	9.58
6170	2.87	1.30	1.72	0.72	1.01	0.15	2.73	10.50	3.59	1.32	2.26	0.95	1.93	0.29	3.66	14.00
6175	2.90	1.31	1.81	0.76	1.01	0.15	2.77	10.71	3.63	1.34	2.38	1.00	1.93	0.29	3.71	14.28
6185	1.83	0.78	0.82	0.34	0.20	0.03	1.72	5.72	2.29	0.80	1.07	0.45	0.38	0.06	2.30	7.35
6190	3.18	1.38	1.45	0.61	0.60	0.09	3.00	10.31	3.98	1.41	1.91	0.80	1.15	0.17	4.02	13.44
6195	4.34	1.89	1.83	0.77	0.83	0.12	4.09	13.87	5.42	1.93	2.41	1.01	1.58	0.24	5.48	18.07
6200	5.81	2.59	2.42	1.02	1.70	0.25	5.51	19.30	7.26	2.64	3.19	1.34	3.24	0.49	7.38	25.54
6205	7.47	3.28	3.37	1.42	1.70	0.25	7.06	24.55	9.34	3.35	4.44	1.86	3.24	0.49	9.46	32.18
6210	9.47	4.20	4.08	1.71	2.58	0.39	8.98	31.41	11.84	4.29	5.36	2.25	4.92	0.74	12.03	41.43
6220	3.37	1.47	1.43	0.60	0.75	0.11	3.18	10.91	4.21	1.51	1.88	0.79	1.43	0.21	4.26	14.29
6225	4.03	1.75	1.43	0.60	0.75	0.11	3.80	12.47	5.04	1.79	1.88	0.79	1.43	0.21	5.09	16.23
6230	5.08	2.19	1.87	0.79	0.83	0.12	4.78	15.66	6.35	2.24	2.46	1.04	1.58	0.24	6.40	20.31
6235	5.44	2.34	1.87	0.79	0.83	0.12	5.11	16.50	6.79	2.40	2.46	1.04	1.58	0.24	6.85	21.36
6240	5.80	2.50	2.31	0.97	0.83	0.12	5.46	17.99	7.26	2.55	3.04	1.28	1.58	0.24	7.31	23.26
6245	6.19	2.66	2.31	0.97	0.83	0.12	5.82	18.90	7.74	2.72	3.04	1.28	1.58	0.24	7.79	24.39
6250	7.29	3.13	2.75	1.16	1.02	0.15	6.85	22.35	9.11	3.20	3.62	1.52	1.94	0.29	9.17	28.85
6255	9.32	4.05	3.42	1.43	1.70	0.25	8.79	28.96	11.65	4.14	4.49	1.89	3.24	0.49	11.77	37.67

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	
6260	12.60	5.51	4.41	1.85	2.70	0.41	11.91	39.39	15.76	5.64	5.80	2.44	5.16	0.77	15.95	51.52	
6265	15.97	6.84	5.95	1.79	5.65	0.85	13.11	50.16	19.17	6.96	7.83	2.35	10.78	1.62	16.86	65.57	
6270	22.74	9.96	8.26	2.48	7.67	1.15	18.74	71.00	27.29	10.14	10.87	3.26	14.64	2.20	24.10	92.50	
6275	44.95	20.16	15.21	4.56	19.31	2.90	37.21	144.30	53.94	20.53	20.01	6.00	36.87	5.53	47.84	190.72	
6285	4.36	1.89	1.87	0.79	0.75	0.11	4.11	13.88	5.45	1.93	2.46	1.04	1.43	0.21	5.50	18.02	
6290	5.13	2.21	2.42	1.02	0.83	0.12	4.82	16.55	6.41	2.26	3.19	1.34	1.58	0.24	6.46	21.48	
6295	5.97	2.59	2.67	1.12	1.02	0.15	5.62	19.14	7.46	2.64	3.51	1.47	1.94	0.29	7.53	24.84	
6300	8.59	3.77	3.39	1.43	1.95	0.29	8.13	27.55	10.74	3.86	4.47	1.88	3.72	0.56	10.88	36.11	
6305	11.40	5.05	4.47	1.88	3.11	0.47	10.81	37.19	14.25	5.17	5.89	2.47	5.94	0.89	14.47	49.08	
6310	14.67	6.32	6.15	1.84	5.65	0.85	12.06	47.54	17.61	6.44	8.09	2.43	10.78	1.62	15.50	62.47	
6315	21.56	9.29	7.93	2.38	5.94	0.89	17.72	65.71	25.87	9.46	10.44	3.13	11.34	1.70	22.78	84.72	
6320	39.39	17.40	13.49	4.05	14.65	2.20	32.52	123.70	47.27	17.73	17.75	5.32	27.97	4.20	41.81	162.05	
6330	3.32	1.45	1.54	0.65	0.70	0.10	3.14	10.90	4.15	1.48	2.03	0.85	1.33	0.20	4.20	14.24	
6335	3.88	1.68	1.76	0.74	0.70	0.10	3.66	12.52	4.85	1.72	2.32	0.97	1.33	0.20	4.90	16.29	
6340	4.98	2.14	2.42	1.02	0.70	0.10	4.68	16.04	6.23	2.19	3.19	1.34	1.33	0.20	6.27	20.75	
6345	5.41	2.35	2.80	1.18	1.02	0.15	5.10	18.01	6.77	2.41	3.68	1.55	1.94	0.29	6.84	23.48	
6350	7.51	3.33	3.61	1.52	2.05	0.31	7.12	25.45	9.38	3.40	4.76	2.00	3.91	0.59	9.53	33.57	
6355	11.53	5.11	4.91	2.06	3.11	0.47	10.93	38.12	14.42	5.22	6.47	2.72	5.94	0.89	14.64	50.30	
6360	14.37	6.20	6.06	1.82	5.65	0.85	11.81	46.76	17.24	6.31	7.97	2.39	10.78	1.62	15.18	61.49	
6365	17.29	7.58	7.71	2.31	5.94	0.89	14.26	55.98	20.75	7.72	10.15	3.04	11.34	1.70	18.33	73.03	
6375	1.52	0.68	1.06	0.44	0.43	0.06	1.44	5.63	1.90	0.69	1.39	0.58	0.81	0.12	1.93	7.42	
6380	1.78	0.79	1.06	0.44	0.43	0.06	1.69	6.25	2.23	0.80	1.39	0.58	0.81	0.12	2.26	8.19	
6385	2.03	0.89	1.32	0.56	0.43	0.06	1.92	7.21	2.53	0.91	1.74	0.73	0.81	0.12	2.56	9.40	
6390	4.56	1.96	1.39	0.58	0.61	0.09	4.28	13.47	5.69	2.00	1.83	0.77	1.16	0.17	5.74	17.36	
6400	3.86	1.68	1.76	0.74	0.75	0.11	3.64	12.54	4.82	1.72	2.32	0.97	1.43	0.21	4.88	16.35	
6405	4.77	2.07	2.20	0.93	0.83	0.12	4.49	15.41	5.96	2.11	2.90	1.22	1.58	0.24	6.02	20.03	
6410	5.54	2.41	2.64	1.11	1.02	0.15	5.22	18.09	6.93	2.46	3.48	1.46	1.94	0.29	7.00	23.56	
6415	8.01	3.50	3.42	1.43	1.70	0.25	7.57	25.88	10.02	3.58	4.49	1.89	3.24	0.49	10.14	33.85	
6420	10.98	4.87	4.17	1.75	2.96	0.44	10.41	35.58	13.72	4.97	5.48	2.30	5.66	0.85	13.94	46.92	
6425	15.10	6.85	4.61	1.93	5.65	0.85	14.42	49.41	18.88	7.01	6.06	2.55	10.78	1.62	19.31	66.21	
6430	21.53	9.28	9.15	2.74	5.94	0.89	17.70	67.23	25.84	9.45	12.03	3.61	11.34	1.70	22.75	86.72	
6435	40.03	17.31	13.00	3.90	11.64	1.75	32.92	120.55	48.04	17.63	17.11	5.13	22.22	3.33	42.33	155.79	
6445	1.64	0.72	0.95	0.40	0.32	0.05	1.55	5.63	2.05	0.73	1.25	0.52	0.59	0.09	2.08	7.31	
6450	4.45	1.93	1.87	0.79	0.75	0.11	4.20	14.10	5.57	1.97	2.46	1.04	1.43	0.21	5.62	18.30	
6455	5.45	2.34	2.31	0.97	0.70	0.10	5.12	16.99	6.82	2.39	3.04	1.28	1.33	0.20	6.86	21.92	
6460	7.72	3.36	3.20	1.34	1.53	0.23	7.28	24.66	9.65	3.44	4.20	1.77	2.92	0.44	9.76	32.18	
6465	13.14	5.71	5.73	1.72	5.65	0.85	10.81	43.61	15.77	5.81	7.54	2.26	10.78	1.62	13.90	57.68	
6475	4.64	2.03	2.29	0.96	1.02	0.15	4.39	15.48	5.81	2.08	3.02	1.27	1.94	0.29	5.88	20.29	
6480	6.46	2.86	3.48	1.46	1.70	0.25	6.12	22.33	8.07	2.92	4.58	1.92	3.24	0.49	8.20	29.42	
6485	6.93	3.06	3.64	1.53	1.78	0.27	6.56	23.77	8.66	3.13	4.78	2.01	3.39	0.51	8.79	31.27	
6490	9.28	4.13	4.78	2.01	2.70	0.41	8.81	32.12	11.61	4.23	6.29	2.64	5.16	0.77	11.81	42.51	
6495	12.12	5.26	6.72	2.02	5.12	0.77	9.97	41.98	14.55	5.36	8.84	2.65	9.77	1.47	12.82	55.46	
6500	18.51	8.27	8.44	2.53	7.67	1.15	15.31	61.88	22.22	8.42	11.11	3.33	14.64	2.20	19.69	81.61	
6510	1.95	0.84	1.06	0.44	0.24	0.04	1.83	6.40	2.44	0.86	1.39	0.58	0.45	0.07	2.45	8.24	
6515	2.10	0.91	1.43	0.60	0.32	0.05	1.98	7.39	2.63	0.93	1.88	0.79	0.60	0.09	2.66	9.58	
6520	2.27	1.01	1.59	0.67	0.63	0.09	2.16	8.42	2.84	1.03	2.09	0.88	1.18	0.18	2.89	11.09	
6530	4.62	2.02	2.27	0.95	1.02	0.15	4.36	15.39	5.77	2.07	2.99	1.25	1.94	0.29	5.85	20.16	
6535	5.45	2.37	2.71	1.14	1.02	0.15	5.14	17.98	6.81	2.42	3.57	1.50	1.94	0.29	6.88	23.41	
6540	7.46	3.28	3.17	1.33	1.78	0.27	7.06	24.35	9.32	3.35	4.18	1.75	3.39	0.51	9.45	31.95	
6545	8.03	3.52	3.70	1.56	1.78	0.27	7.59	26.45	10.04	3.60	4.87	2.05	3.39	0.51	10.16	34.62	
6550	10.27	4.54	4.63	1.94	2.64	0.40	9.73	34.15	12.84	4.64	6.09	2.56	5.05	0.76	13.04	44.98	
6555	11.19	4.68	5.44	1.63	2.64	0.40	9.15	35.13	13.43	4.77	7.16	2.15	5.05	0.76	11.77	45.09	
6560	14.67	6.32	6.77	2.03	5.65	0.85	12.05	48.34	17.60	6.43	8.90	2.67	10.78	1.62	15.50	63.50	
6565	21.48	9.45	10.14	3.04	7.67	1.15	17.72	70.65	25.78	9.63	13.34	4.00	14.64	2.20	22.78	92.37	
6575	4.19	1.84	2.05	0.86	1.02	0.15	3.96	14.07	5.24	1.89	2.70	1.10	1.94	0.29	5.31	18.50	

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	TOTAL RATE		
6580	5.37	2.33	6.52	2.09	1.02	0.15	5.06	22.54	6.71	2.39	8.49	2.72	1.94	0.29	6.78	29.32
6585	7.08	3.12	3.53	1.48	1.70	0.25	6.70	23.86	8.85	3.19	4.64	1.95	3.24	0.49	8.97	31.33
6590	7.94	3.62	4.08	1.71	3.11	0.47	7.58	28.51	9.92	3.70	5.36	2.25	5.94	0.89	10.16	38.22
6595	14.41	6.24	6.28	1.88	6.02	0.90	11.86	47.59	17.29	6.36	8.26	2.48	11.49	1.72	15.24	62.84
6600	18.93	8.24	8.82	2.64	5.94	0.89	15.58	61.04	22.72	8.39	11.60	3.48	11.34	1.70	20.04	79.27
6615	2.63	1.14	1.04	0.33	0.34	0.05	2.83	8.36	3.29	1.16	1.36	0.44	0.48	0.07	3.76	10.56
6620	3.29	1.41	1.39	0.44	0.33	0.05	3.54	10.45	4.12	1.44	1.83	0.58	0.46	0.07	4.70	13.20
6625	5.28	2.26	1.76	0.56	0.53	0.08	5.67	16.14	6.60	2.31	2.32	0.74	0.75	0.11	7.53	20.36
6630	6.06	2.61	2.45	0.78	0.71	0.11	6.51	19.23	7.57	2.67	3.22	1.03	0.99	0.15	8.65	24.28
6640	3.00	1.34	1.37	0.44	0.71	0.11	3.26	10.23	3.76	1.37	1.80	0.58	0.99	0.15	4.34	12.99
6645	3.42	1.52	1.54	0.49	0.71	0.11	3.71	11.50	4.28	1.55	2.03	0.65	0.99	0.15	4.93	14.58
6655	2.89	1.25	1.28	0.41	0.38	0.06	3.11	9.38	3.61	1.28	1.68	0.54	0.53	0.08	4.13	11.85
6660	3.45	1.49	1.37	0.44	0.42	0.06	3.71	10.94	4.31	1.52	1.80	0.58	0.60	0.09	4.92	13.82
6665	3.99	1.72	1.54	0.49	0.53	0.08	4.29	12.64	4.98	1.76	2.03	0.65	0.75	0.11	5.70	15.98
6670	4.59	1.98	1.76	0.56	0.53	0.08	4.93	14.43	5.73	2.02	2.32	0.74	0.75	0.11	6.55	18.22
6675	5.45	2.37	2.20	0.71	0.83	0.13	5.88	17.57	6.82	2.43	2.90	0.93	1.17	0.18	7.81	22.24
6685	2.33	1.02	1.06	0.34	0.36	0.05	2.52	7.68	2.92	1.04	1.39	0.45	0.51	0.08	3.34	9.73
6690	2.60	1.13	1.06	0.34	0.36	0.05	2.80	8.34	3.26	1.15	1.39	0.45	0.51	0.08	3.72	10.56
6695	2.78	1.20	1.32	0.42	0.36	0.05	2.99	9.12	3.47	1.23	1.74	0.56	0.51	0.08	3.97	11.56
6700	3.08	1.35	1.39	0.44	0.52	0.08	3.32	10.18	3.85	1.38	1.83	0.58	0.74	0.11	4.41	12.90
6705	3.45	1.50	1.59	0.51	0.52	0.08	3.72	11.37	4.31	1.53	2.09	0.67	0.74	0.11	4.94	14.39
6710	4.98	2.13	2.20	0.71	0.52	0.08	5.34	15.96	6.22	2.18	2.90	0.93	0.74	0.11	7.10	20.18
6720	2.71	1.15	1.06	0.34	0.21	0.03	2.91	8.41	3.39	1.18	1.39	0.45	0.29	0.04	3.86	10.60
6725	3.07	1.31	1.43	0.46	0.28	0.04	3.29	9.88	3.84	1.34	1.88	0.60	0.39	0.06	4.37	12.48
6730	3.18	1.39	1.59	0.51	0.53	0.08	3.43	10.71	3.97	1.42	2.09	0.67	0.75	0.11	4.55	13.56
6745	5.62	2.13	1.50	0.57	0.00	0.00	9.00	18.82	7.02	2.18	1.97	0.75	0.00	0.00	11.70	23.62
6750	6.25	2.37	1.85	0.70	0.00	0.00	10.01	21.18	7.81	2.42	2.44	0.93	0.00	0.00	13.01	26.61
6760	4.37	1.66	1.55	0.59	0.00	0.00	7.00	15.17	5.46	1.70	2.04	0.77	0.00	0.00	9.10	19.07
6770	0.57	0.18	0.00	0.52	0.00	0.00	0.76	2.03								
6775	1.18	0.38	0.00	1.06	0.00	0.00	1.57	4.19								
6780	2.38	0.76	0.00	2.01	0.00	0.00	3.17	8.32								
6785	0.57	0.18	0.00	0.25	0.00	0.00	0.76	1.76								
6790	0.90	0.29	0.00	0.37	0.00	0.00	1.20	2.76								
6805	2.01	0.64	0.00	0.27	0.00	0.00	2.68	5.60								
6810	2.63	0.84	0.00	0.51	0.00	0.00	3.50	7.48								
6815	3.09	0.98	0.00	0.80	0.00	0.00	4.13	9.00								
6830	4.72	1.50	0.00	0.32	0.00	0.00	6.30	12.84								
6835	4.88	1.55	0.00	0.32	0.00	0.00	6.51	13.26								
6840	7.60	2.42	0.00	0.51	0.00	0.00	10.14	20.67								
6845	7.95	2.53	0.00	0.61	0.00	0.00	10.61	21.70								
6860	3.79	1.21	0.00	0.45	0.00	0.00	5.05	10.50								
6865	4.48	1.43	0.00	0.51	0.00	0.00	5.98	12.40								
6870	5.11	1.63	0.00	0.61	0.00	0.00	6.82	14.17								
6875	5.49	1.75	0.00	0.75	0.00	0.00	7.33	15.32								
6880	6.54	2.08	0.00	0.65	0.00	0.00	8.72	17.99								
6885	7.87	2.50	0.00	0.95	0.00	0.00	10.49	21.81								
6890	8.91	2.84	0.00	0.95	0.00	0.00	11.89	24.59								
6895	11.60	3.69	0.00	1.17	0.00	0.00	15.48	31.94								
6900	13.19	4.20	0.00	1.28	0.00	0.00	17.60	36.27								
6915	3.02	0.96	0.51	0.16	0.00	0.00	4.03	8.68								
6920	6.35	2.02	1.10	0.35	0.00	0.00	8.48	18.30								
6925	7.36	2.34	1.68	0.54	0.00	0.00	9.82	21.74								
6930	7.75	2.47	1.98	0.63	0.00	0.00	10.34	23.17								
6935	10.48	3.33	2.93	0.94	0.00	0.00	13.98	31.66								
6940	12.48	3.97	3.00	0.96	0.00	0.00	16.65	37.06								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
6950	6.87	2.18	0.99	0.64	0.00	0.00	9.16	19.84								
6955	8.37	2.66	1.74	1.05	0.00	0.00	11.17	24.99								
6960	10.44	3.32	2.56	1.41	0.00	0.00	13.93	31.66								
6965	13.38	4.26	2.84	1.61	0.00	0.00	17.85	39.94								
6970	24.87	7.91	4.76	2.84	0.00	0.00	33.18	73.56								
6975	28.65	9.11	5.91	3.51	0.00	0.00	38.22	85.40								
6985	3.71	1.18	0.00	0.51	0.00	0.00	4.95	10.35								
6990	3.95	1.26	0.00	0.66	0.00	0.00	5.28	11.15								
6995	5.28	1.68	0.00	0.66	0.00	0.00	7.04	14.66								
7000	1.35	0.43	0.00	0.25	0.00	0.00	1.79	3.82								
7005	1.70	0.54	0.00	0.34	0.00	0.00	2.27	4.85								
7010	2.13	0.68	0.00	0.45	0.00	0.00	2.84	6.10								
7020	5.13	1.63	0.00	0.68	0.00	0.00	6.84	14.28								
7025	5.87	1.87	0.00	0.80	0.00	0.00	7.83	16.37								
7030	6.30	2.01	0.00	0.95	0.00	0.00	8.41	17.67								
7035	7.72	2.46	0.00	1.12	0.00	0.00	10.30	21.60								
7040	9.56	3.04	0.00	1.17	0.00	0.00	12.75	26.52								
7045	13.84	4.40	0.00	1.39	0.00	0.00	18.47	38.10								
7060	7.10	2.26	2.09	0.67	0.00	0.00	9.47	21.59								
7065	12.61	4.01	3.44	1.10	0.00	0.00	16.82	37.98								
7070	18.58	5.91	6.83	2.19	0.00	0.00	24.78	58.29								
7075	21.42	6.82	11.24	3.60	0.00	0.00	28.58	71.66								
7080	27.09	8.62	12.78	4.09	0.00	0.00	36.14	88.72								
7095	7.40	3.69	1.28	0.51	0.00	0.00	7.65	20.53	8.88	3.74	1.64	0.66	0.00	0.00	10.41	25.33
7100	11.90	5.93	2.44	0.97	0.00	0.00	12.31	33.55	14.27	6.02	3.13	1.25	0.00	0.00	16.74	41.41
7105	13.61	6.78	2.44	0.97	0.00	0.00	14.08	37.88	16.33	6.88	3.13	1.25	0.00	0.00	19.15	46.74
7110	17.12	8.53	3.65	1.46	0.00	0.00	17.72	48.48	20.55	8.66	4.70	1.88	0.00	0.00	24.10	59.89
7115	23.88	11.90	4.99	2.00	0.00	0.00	24.71	67.48	28.65	12.08	6.42	2.57	0.00	0.00	33.60	83.32
7130	1.36	0.38	0.00	0.15	0.00	0.00	1.37	3.26								
7135	0.50	0.14	0.00	0.10	0.00	0.00	0.50	1.24								
7140	2.01	0.55	0.00	0.31	0.00	0.00	2.02	4.89								
7145	0.87	0.24	0.00	0.05	0.00	0.00	0.87	2.03								
7160	0.06	0.02	0.15	0.05	0.00	0.00	0.06	0.34								
7175	0.04	0.01	0.15	0.05	0.00	0.00	0.04	0.29								
7180	0.05	0.02	0.23	0.07	0.00	0.00	0.05	0.42								
7185	0.09	0.03	0.60	0.19	0.00	0.00	0.09	1.00								
7195	0.68	0.28	3.25	1.04	0.00	0.00	0.70	5.95								
7200	0.69	0.28	0.92	0.35	0.00	0.00	0.70	2.94								
7205	0.96	0.39	5.97	1.91	0.00	0.00	0.98	10.21								
7210	1.08	0.44	1.84	0.70	0.00	0.00	1.10	5.16								
7215	1.67	0.68	2.15	0.82	0.00	0.00	1.70	7.02								
7220	1.78	0.73	2.09	0.79	0.00	0.00	1.81	7.20								
7235	0.07	0.03	0.38	0.12	0.00	0.00	0.08	0.68								
7240	0.10	0.04	0.60	0.19	0.00	0.00	0.10	1.03								
7245	0.21	0.08	1.21	0.39	0.00	0.00	0.21	2.10								
7260	0.09	0.04	0.23	0.07	0.00	0.00	0.09	0.52								
7265	0.10	0.04	0.23	0.07	0.00	0.00	0.11	0.55								
7280	0.13	0.05	0.14	0.06	0.00	0.00	0.06	0.44								
7285	0.18	0.07	0.36	0.16	0.00	0.00	0.09	0.86								
7290	0.64	0.26	1.80	0.81	0.00	0.00	0.32	3.83								
7295	0.83	0.34	4.32	1.94	0.00	0.00	0.42	7.85								
7305	0.10	0.04	0.07	0.03	0.00	0.00	0.05	0.29								
7310	0.14	0.06	0.14	0.06	0.00	0.00	0.07	0.47								
7315	0.19	0.08	0.58	0.26	0.00	0.00	0.10	1.21								
7330	3.82	1.19	0.00	0.15	0.00	0.00	3.92	9.08	5.10	1.23	0.00	0.15	0.00	0.00	5.88	12.36

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7335	0.30	0.09	0.00	0.00	0.00	0.00	0.31	0.70	0.40	0.10	0.00	0.00	0.00	0.00	0.46	0.96
7340	2.42	0.75	0.00	0.10	0.00	0.00	2.48	5.75	3.23	0.78	0.00	0.10	0.00	0.00	3.73	7.84
7345	0.19	0.06	0.00	0.00	0.00	0.00	0.20	0.45	0.25	0.06	0.00	0.00	0.00	0.00	0.29	0.60
7350	1.81	0.56	0.00	0.08	0.00	0.00	1.85	4.30	2.41	0.58	0.00	0.08	0.00	0.00	2.78	5.85
7355	0.08	0.03	0.00	0.00	0.00	0.00	0.09	0.20	0.11	0.03	0.00	0.00	0.00	0.00	0.13	0.27
7360	2.08	0.65	0.00	0.10	0.00	0.00	2.14	4.97	2.78	0.67	0.00	0.10	0.00	0.00	3.20	6.75
7365	0.19	0.06	0.00	0.00	0.00	0.00	0.19	0.44	0.25	0.06	0.00	0.00	0.00	0.00	0.29	0.60
7370	1.50	0.47	0.00	0.08	0.00	0.00	1.54	3.59	2.01	0.49	0.00	0.08	0.00	0.00	2.31	4.89
7375	0.12	0.04	0.00	0.00	0.00	0.00	0.12	0.28	0.16	0.04	0.00	0.00	0.00	0.00	0.18	0.38
7380	0.88	0.27	0.00	0.08	0.00	0.00	0.90	2.13	1.17	0.28	0.00	0.08	0.00	0.00	1.35	2.88
7385	0.05	0.01	0.00	0.00	0.00	0.00	0.05	0.11	0.06	0.02	0.00	0.00	0.00	0.00	0.07	0.15
7390	2.32	0.72	0.00	0.08	0.00	0.00	2.38	5.50	3.10	0.75	0.00	0.08	0.00	0.00	3.58	7.51
7395	0.19	0.06	0.00	0.00	0.00	0.00	0.19	0.44	0.25	0.06	0.00	0.00	0.00	0.00	0.29	0.60
7400	2.07	0.64	0.00	0.08	0.00	0.00	2.12	4.91	2.75	0.67	0.00	0.08	0.00	0.00	3.18	6.68
7405	0.25	0.08	0.00	0.00	0.00	0.00	0.26	0.59	0.34	0.08	0.00	0.00	0.00	0.00	0.39	0.81
7410	0.73	0.28	0.00	0.08	0.00	0.00	0.75	1.84	0.91	0.28	0.00	0.08	0.00	0.00	1.05	2.32
7420	5.05	1.57	0.00	0.25	0.00	0.00	5.18	12.05	6.73	1.63	0.00	0.25	0.00	0.00	7.76	16.37
7425	0.37	0.12	0.00	0.00	0.00	0.00	0.38	0.87	0.49	0.12	0.00	0.00	0.00	0.00	0.57	1.18
7430	5.47	1.70	0.00	0.23	0.00	0.00	5.61	13.01	7.29	1.76	0.00	0.23	0.00	0.00	8.41	17.69
7435	5.10	1.58	0.00	0.22	0.00	0.00	5.22	12.12	6.80	1.64	0.00	0.22	0.00	0.00	7.84	16.50
7440	0.37	0.12	0.00	0.00	0.00	0.00	0.38	0.87	0.50	0.12	0.00	0.00	0.00	0.00	0.57	1.19
7445	5.42	1.68	0.00	0.21	0.00	0.00	5.56	12.87	7.23	1.75	0.00	0.21	0.00	0.00	8.34	17.53
7450	4.32	1.34	0.00	0.16	0.00	0.00	4.42	10.24	5.75	1.39	0.00	0.16	0.00	0.00	6.64	13.94
7455	0.33	0.10	0.00	0.00	0.00	0.00	0.34	0.77	0.45	0.11	0.00	0.00	0.00	0.00	0.51	1.07
7460	4.02	1.25	0.00	0.16	0.00	0.00	4.12	9.55	5.36	1.30	0.00	0.16	0.00	0.00	6.18	13.00
7465	2.91	0.90	0.00	0.10	0.00	0.00	2.98	6.89	3.88	0.94	0.00	0.10	0.00	0.00	4.47	9.39
7470	0.19	0.06	0.00	0.00	0.00	0.00	0.19	0.44	0.25	0.06	0.00	0.00	0.00	0.00	0.29	0.60
7475	2.83	0.88	0.00	0.10	0.00	0.00	2.90	6.71	3.77	0.91	0.00	0.10	0.00	0.00	4.35	9.13
7480	1.67	0.52	0.00	0.08	0.00	0.00	1.72	3.99	2.23	0.54	0.00	0.08	0.00	0.00	2.58	5.43
7485	0.10	0.03	0.00	0.00	0.00	0.00	0.10	0.23	0.13	0.03	0.00	0.00	0.00	0.00	0.15	0.31
7490	1.02	0.32	0.00	0.08	0.00	0.00	1.04	2.46	1.36	0.33	0.00	0.08	0.00	0.00	1.56	3.33
7495	0.06	0.02	0.00	0.00	0.00	0.00	0.06	0.14	0.08	0.02	0.00	0.00	0.00	0.00	0.09	0.19
7500	0.78	0.24	0.00	0.08	0.00	0.00	0.80	1.90	1.05	0.25	0.00	0.08	0.00	0.00	1.21	2.59
7505	0.06	0.02	0.00	0.00	0.00	0.00	0.06	0.14	0.08	0.02	0.00	0.00	0.00	0.00	0.09	0.19
7510	0.48	0.15	0.00	0.08	0.00	0.00	0.49	1.20	0.64	0.15	0.00	0.08	0.00	0.00	0.73	1.60
7515	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
7520	0.27	0.08	0.00	0.08	0.00	0.00	0.27	0.70	0.36	0.09	0.00	0.08	0.00	0.00	0.41	0.94
7525	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.04
7535	5.49	1.70	0.00	0.28	0.00	0.00	5.63	13.10	7.33	1.77	0.00	0.28	0.00	0.00	8.45	17.83
7540	4.31	1.34	0.00	0.20	0.00	0.00	4.42	10.27	5.75	1.39	0.00	0.20	0.00	0.00	6.63	13.97
7545	3.25	1.01	0.00	0.10	0.00	0.00	3.33	7.69	4.34	1.05	0.00	0.10	0.00	0.00	5.00	10.49
7550	2.03	0.63	0.00	0.09	0.00	0.00	2.08	4.83	2.70	0.65	0.00	0.09	0.00	0.00	3.12	6.56
7565	3.25	1.23	1.87	0.45	0.18	0.03	3.14	10.15								
7570	3.60	1.36	1.87	0.45	0.18	0.03	3.47	10.96								
7575	4.17	1.58	1.87	0.45	0.22	0.03	4.02	12.34								
7580	6.57	2.53	2.75	0.66	0.68	0.10	6.36	19.65								
7590	2.83	1.08	1.68	0.40	0.18	0.03	2.73	8.93								
7595	3.05	1.16	1.68	0.40	0.18	0.03	2.95	9.45								
7600	3.13	1.19	1.72	0.41	0.18	0.03	3.02	9.68								
7605	2.99	1.14	5.86	1.41	0.22	0.03	2.89	14.54								
7610	3.34	1.27	1.68	0.40	0.22	0.03	3.23	10.17								
7615	3.12	1.19	5.86	1.41	0.26	0.04	3.01	14.89								
7620	3.47	1.32	1.68	0.40	0.26	0.04	3.35	10.52								
7625	7.46	2.90	2.58	0.62	0.90	0.13	7.23	21.82								
7635	3.09	1.17	1.50	0.36	0.18	0.03	2.99	9.32								

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
7640	3.84	1.45	1.50	0.36	0.22	0.03	3.70	11.10							
7645	7.77	3.00	2.87	0.69	0.82	0.12	7.53	22.80							
7650	8.95	3.62	2.87	0.69	2.08	0.31	8.76	27.28							
7665	4.05	1.99	0.00	0.21	1.92	0.29	4.16	12.62							
7670	5.60	2.35	0.00	0.23	1.50	0.22	5.53	15.43							
7680	5.36	2.45	0.00	0.40	1.82	0.27	5.40	15.70							
7685	5.38	2.63	0.00	0.45	2.49	0.37	5.51	16.83							
7690	8.02	3.61	0.00	0.67	2.49	0.37	8.05	23.21							
7700	0.70	0.30	0.00	0.05	0.21	0.03	0.70	1.99							
7715	1.14	0.42	0.00	0.15	0.00	0.00	1.10	2.81							
7720	1.45	0.54	0.00	0.15	0.00	0.00	1.39	3.53							
7725	1.50	0.55	0.00	0.15	0.00	0.00	1.44	3.64							
7730	2.24	0.83	0.00	0.15	0.00	0.00	2.15	5.37							
7735	3.43	1.27	0.00	0.15	0.00	0.00	3.29	8.14							
7740	5.18	1.92	0.00	0.15	0.00	0.00	4.98	12.23							
7745	3.38	1.25	0.00	0.16	0.00	0.00	3.25	8.04							
7750	3.95	1.46	0.00	0.15	0.00	0.00	3.79	9.35							
7755	6.10	2.26	0.00	0.15	0.00	0.00	5.86	14.37							
7765	0.50	0.19	0.00	0.16	0.00	0.00	0.48	1.33							
7770	1.02	0.38	0.00	0.16	0.00	0.00	0.98	2.54							
7785	12.70	4.71	4.63	1.11	0.00	0.00	12.20	35.35							
7790	12.76	4.73	4.63	1.11	0.00	0.00	12.25	35.48							
7795	19.20	7.12	6.83	1.64	0.00	0.00	18.44	53.23							
7800	20.31	7.53	6.83	1.64	0.00	0.00	19.51	55.82							
7805	20.09	7.45	6.83	1.64	0.00	0.00	19.29	55.30							
7815	21.36	7.92	7.27	1.75	0.00	0.00	20.51	58.81							
7830	2.23	0.83	1.15	0.28	0.00	0.00	2.15	6.64							
7835	2.67	0.99	1.15	0.28	0.00	0.00	2.56	7.65							
7840	4.07	1.51	1.87	0.45	0.00	0.00	3.91	11.81							
7845	4.26	1.58	1.87	0.45	0.00	0.00	4.09	12.25							
7850	4.45	1.65	1.87	0.45	0.00	0.00	4.27	12.69							
7855	4.64	1.72	1.87	0.45	0.00	0.00	4.46	13.14							
7865	4.46	1.65	5.86	1.41	0.00	0.00	4.28	17.66							
7870	4.78	1.77	1.87	0.45	0.00	0.00	4.59	13.46							
7875	4.73	1.75	5.86	1.41	0.00	0.00	4.54	18.29							
7880	5.05	1.87	1.87	0.45	0.00	0.00	4.85	14.09							
7885	2.19	0.81	2.96	0.71	0.00	0.00	2.10	8.77							
7890	2.97	1.10	5.86	1.41	0.00	0.00	2.85	14.19							
7895	3.29	1.22	1.87	0.45	0.00	0.00	3.16	9.99							
7900	3.60	1.34	5.86	1.41	0.00	0.00	3.46	15.67							
7905	3.93	1.46	1.87	0.45	0.00	0.00	3.77	11.48							
7910	3.89	1.44	5.86	1.41	0.00	0.00	3.73	16.33							
7915	4.21	1.56	1.87	0.45	0.00	0.00	4.05	12.14							
7930	1.37	0.42	1.36	0.44	0.00	0.00	1.65	5.24							
7935	1.68	0.51	1.36	0.44	0.00	0.00	2.02	6.01							
7940	3.56	1.08	1.32	0.42	0.00	0.00	4.27	10.65							
7945	3.90	1.18	1.32	0.42	0.00	0.00	4.68	11.50							
7950	5.45	1.66	2.92	0.93	0.00	0.00	6.54	17.50							
7955	5.75	1.75	2.92	0.93	0.00	0.00	6.90	18.25							
7965	3.83	1.16	1.51	0.48	0.00	0.00	4.59	11.57							
7970	4.16	1.27	1.51	0.48	0.00	0.00	5.00	12.42							
7975	6.70	2.04	2.37	0.76	0.00	0.00	8.04	19.91							
7980	7.31	2.22	2.37	0.76	0.00	0.00	8.78	21.44							
7990	2.52	0.77	2.72	0.87	0.00	0.00	3.03	9.91							
7995	3.09	0.94	2.72	0.87	0.00	0.00	3.71	11.33							

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
8005	1.98	0.60	0.92	0.30	0.00	0.00	2.38	6.18							
8010	1.80	0.55	0.92	0.30	0.00	0.00	2.16	5.73							
8020	9.21	2.80	2.31	0.74	0.00	0.00	11.05	26.11							
8025	6.21	1.89	1.54	0.49	0.00	0.00	7.46	17.59							
8040	6.16	1.90	2.24	0.72	0.19	0.03	7.41	18.65							
8045	6.92	2.19	2.61	0.84	0.65	0.10	8.38	21.69							
8050	8.16	2.51	2.61	0.84	0.18	0.03	9.82	24.15							
8055	8.99	2.81	3.84	1.23	0.55	0.08	10.86	28.36							
8060	8.40	2.62	3.84	1.23	0.48	0.07	10.14	26.78							
8065	9.06	2.82	3.84	1.23	0.48	0.07	10.93	28.43							
8070	10.49	3.25	3.84	1.23	0.48	0.07	12.65	32.01							
8075	9.35	2.91	3.84	1.23	0.48	0.07	11.28	29.16							
8080	10.14	3.15	3.84	1.23	0.48	0.07	12.23	31.14							
8090	8.98	2.73	3.84	1.23	0.00	0.00	10.79	27.57							
8095	7.20	2.25	2.61	0.84	0.48	0.07	8.70	22.15							
8100	7.65	2.39	3.69	1.18	0.48	0.07	9.24	24.70							
8105	8.73	2.72	3.69	1.18	0.48	0.07	10.53	27.40							
8115	9.31	2.90	3.54	1.13	0.48	0.07	11.23	28.66							
8120	13.70	4.30	6.24	2.00	0.98	0.15	16.56	43.93							
8130	5.75	1.76	2.15	0.69	0.10	0.01	6.91	17.37							
8135	5.70	1.76	2.15	0.69	0.20	0.03	6.86	17.39							
8140	7.65	2.34	2.46	0.79	0.14	0.02	9.20	22.60							
8145	6.58	2.03	2.46	0.79	0.20	0.03	7.92	20.01							
8150	6.25	1.99	2.15	0.69	0.65	0.10	7.57	19.40							
8155	8.54	2.65	2.71	0.87	0.42	0.06	10.30	25.55							
8160	9.90	3.07	3.66	1.17	0.44	0.07	11.94	30.25							
8165	7.87	2.46	3.84	1.23	0.48	0.07	9.50	25.45							
8170	11.66	3.62	3.66	1.17	0.55	0.08	14.06	34.80							
8175	10.11	3.15	3.66	1.17	0.55	0.08	12.20	30.92							
8180	8.54	2.69	3.84	1.23	0.72	0.11	10.34	27.47							
8190	6.43	2.04	2.09	0.67	0.65	0.10	7.79	19.77							
8195	5.85	1.80	2.09	0.67	0.18	0.03	7.04	17.66							
8200	6.87	2.11	2.46	0.79	0.18	0.03	8.26	20.70							
8205	7.34	2.32	2.31	0.74	0.65	0.10	8.88	22.34							
8210	7.50	2.30	2.46	0.79	0.18	0.03	9.02	22.28							
8215	9.76	3.03	3.38	1.08	0.48	0.07	11.77	29.57							
8220	8.08	2.52	3.29	1.05	0.48	0.07	9.75	25.24							
8225	8.75	2.73	3.29	1.05	0.48	0.07	10.56	26.93							
8230	11.22	3.48	3.38	1.08	0.48	0.07	13.53	33.24							
8245	1.18	0.36	0.49	0.16	0.00	0.00	1.41	3.60							
8250	3.11	0.94	1.05	0.33	0.00	0.00	3.73	9.16							
8255	7.33	2.23	2.18	0.70	0.00	0.00	8.79	21.23							
8260	9.84	2.99	3.84	1.23	0.00	0.00	11.81	29.71							
8265	11.92	3.62	4.76	1.52	0.00	0.00	14.31	36.13							
8270	14.39	4.38	5.56	1.78	0.00	0.00	17.28	43.39							
8275	16.60	5.05	5.56	1.78	0.00	0.00	19.93	48.92							
8285	1.13	0.34	0.49	0.16	0.00	0.00	1.35	3.47							
8290	2.59	0.79	1.08	0.34	0.00	0.00	3.11	7.91							
8295	6.73	2.05	2.15	0.69	0.00	0.00	8.08	19.70							
8300	8.99	2.73	3.54	1.13	0.00	0.00	10.79	27.18							
8305	11.95	3.63	3.66	1.17	0.00	0.00	14.35	34.76							
8315	1.16	0.35	1.06	0.34	0.00	0.00	1.39	4.30							
8320	6.00	1.83	1.60	0.51	0.00	0.00	7.21	17.15							
8325	8.95	2.72	2.46	0.79	0.00	0.00	10.75	25.67							
8330	11.37	3.46	4.80	1.53	0.00	0.00	13.65	34.81							

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
8335	20.11	6.12	8.05	2.58	0.00	0.00	24.15	61.01							
8350	0.81	0.18	0.00	0.50	0.02	0.00	0.76	2.27							
8355	1.02	0.23	0.00	0.50	0.03	0.00	0.95	2.73							
8360	1.32	0.30	0.00	0.75	0.05	0.01	1.24	3.67							
8365	3.43	0.83	0.00	1.51	0.41	0.06	3.25	9.49							
8370	2.65	0.58	1.16	0.28	0.03	0.00	2.47	7.17							
8375	2.96	0.65	1.16	0.28	0.03	0.00	2.76	7.84							
8380	3.36	0.74	1.16	0.28	0.03	0.00	3.13	8.70							
8385	0.48	0.10	0.51	0.12	0.00	0.00	0.45	1.66							
8390	0.15	0.03	0.35	0.09	0.00	0.00	0.14	0.76							
8395	0.24	0.05	0.51	0.12	0.00	0.00	0.22	1.14							
8405	0.23	0.05	0.00	0.50	0.02	0.00	0.22	1.02							
8410	0.47	0.11	0.00	0.50	0.02	0.00	0.44	1.54							
8415	0.72	0.16	0.00	0.75	0.02	0.00	0.67	2.32							
8420	0.90	0.20	0.00	0.75	0.03	0.00	0.84	2.72							
8425	2.93	0.64	1.27	0.30	0.00	0.00	2.72	7.86							
8430	3.73	0.81	1.27	0.30	0.00	0.00	3.47	9.58							
8435	1.05	0.23	0.91	0.22	0.00	0.00	0.97	3.38							
8440	0.21	0.05	0.20	0.05	0.00	0.00	0.19	0.70							
8445	0.17	0.04	0.41	0.10	0.00	0.00	0.16	0.88							
8450	0.21	0.05	0.51	0.12	0.00	0.00	0.20	1.09							
8455	0.22	0.05	0.51	0.12	0.00	0.00	0.20	1.10							
8470	10.34	4.14	3.96	1.58	2.77	0.42	9.79	33.00	12.93	4.25	5.18	2.07	4.61	0.69 13.05	42.78
8475	15.99	5.92	5.65	1.81	5.77	0.87	12.27	48.28	19.99	6.09	7.39	2.37	9.59	1.44 16.52	63.39
8480	21.12	7.74	6.70	2.14	6.62	0.99	14.93	60.24	26.40	7.95	8.80	2.82	11.00	1.65 20.21	78.83
8485	23.64	8.59	7.46	2.39	6.62	0.99	18.07	67.76	29.54	8.82	9.76	3.12	11.00	1.65 24.33	88.22
8490	24.45	8.87	9.66	2.51	8.78	1.32	18.69	74.28	30.56	9.11	12.53	3.26	15.25	2.29 25.16	98.16
8495	26.04	9.41	9.66	2.51	8.78	1.32	19.89	77.61	32.56	9.66	12.53	3.26	15.25	2.29 26.78	102.33
8500	32.57	11.90	9.13	2.92	9.85	1.48	23.01	90.86	40.71	12.22	12.01	3.84	16.36	2.45 31.16	118.75
8505	43.09	15.47	15.02	3.91	13.06	1.96	32.88	125.39	53.87	15.89	19.49	5.07	22.69	3.40 44.26	164.67
8510	45.04	16.13	15.02	3.91	13.06	1.96	34.35	129.47	56.30	16.57	19.49	5.07	22.69	3.40 46.24	169.76
8515	42.84	15.69	11.16	3.57	13.36	2.00	30.27	118.89	53.55	16.11	14.67	4.70	22.19	3.33 41.00	155.55
8520	52.58	18.99	20.39	5.30	17.72	2.66	40.16	157.80	65.73	19.51	26.45	6.88	30.78	4.62 54.06	208.03
8525	55.94	20.13	20.39	5.30	17.72	2.66	42.70	164.84	69.93	20.68	26.45	6.88	30.78	4.62 57.48	216.82
8535	14.49	5.28	5.18	1.66	4.27	0.64	11.09	42.61	18.11	5.43	6.77	2.17	7.09	1.06 14.92	55.55
8540	18.98	6.97	6.60	2.11	6.15	0.92	13.42	55.15	23.73	7.16	8.67	2.77	10.21	1.53 18.17	72.24
8545	21.70	7.86	7.35	2.35	5.76	0.86	16.58	62.46	27.12	8.07	9.61	3.08	9.56	1.43 22.32	81.19
8550	23.44	8.45	10.64	2.77	7.64	1.15	17.90	71.99	29.30	8.68	13.81	3.59	13.27	1.99 24.09	94.73
8555	28.17	10.09	10.64	2.77	8.22	1.23	21.49	82.61	35.22	10.37	13.81	3.59	14.28	2.14 28.93	108.34
8565	9.95	3.96	2.83	1.13	2.41	0.36	9.40	30.04	12.43	4.06	3.70	1.48	4.01	0.60 12.53	38.81
8570	20.35	7.48	6.62	2.12	6.62	0.99	14.39	58.57	25.44	7.68	8.70	2.78	11.00	1.65 19.49	76.74
8575	24.19	8.78	10.97	2.85	8.78	1.32	18.49	75.38	30.24	9.02	14.23	3.70	15.25	2.29 24.90	99.63
8580	22.95	8.36	7.37	2.36	6.62	0.99	17.55	66.20	28.68	8.58	9.64	3.09	11.00	1.65 23.63	86.27
8590	9.93	3.96	3.96	1.58	2.41	0.36	9.39	31.59	12.42	4.05	5.18	2.07	4.01	0.60 12.52	40.85
8595	14.19	5.18	5.65	1.81	4.27	0.64	10.86	42.60	17.74	5.32	7.39	2.37	7.09	1.06 14.62	55.59
8605	15.68	5.79	5.43	1.74	5.50	0.83	12.03	47.00	19.61	5.95	7.10	2.27	9.15	1.37 16.19	61.64
8610	24.38	9.28	6.29	2.01	12.42	1.86	17.35	73.59	30.47	9.54	8.27	2.65	20.85	3.13 23.49	98.40
8615	25.72	9.74	7.01	2.24	12.42	1.86	19.81	78.80	32.15	10.01	9.17	2.93	20.85	3.13 26.67	104.91
8620	30.43	11.41	8.57	2.74	13.02	1.95	21.60	89.72	38.04	11.73	11.26	3.60	21.76	3.26 29.24	118.89
8625	31.44	11.76	9.55	3.05	13.02	1.95	24.16	94.93	39.30	12.08	12.48	3.99	21.76	3.26 32.52	125.39
8630	35.91	13.53	9.78	3.13	16.96	2.54	25.51	107.36	44.89	13.90	12.86	4.12	28.59	4.29 34.54	143.19
8635	36.88	13.86	10.90	3.49	16.96	2.54	28.37	113.00	46.10	14.24	14.26	4.56	28.59	4.29 38.18	150.22
8640	38.74	14.52	10.90	3.49	17.21	2.58	29.79	117.23	48.43	14.92	14.26	4.56	28.98	4.35 40.10	155.60
8645	37.15	13.98	9.78	3.13	17.21	2.58	26.38	110.21	46.44	14.37	12.86	4.12	28.98	4.35 35.73	146.85
8650	38.61	14.57	11.16	3.57	18.87	2.83	27.43	117.04	48.27	14.97	14.67	4.70	31.92	4.79 37.15	156.47

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
8655	39.85	15.02	11.16	3.57	19.13	2.87	28.31	119.91	49.81	15.43	14.67	4.70	32.30	4.85	38.33	160.09
8660	44.07	16.46	11.16	3.57	19.13	2.87	31.25	128.51	55.09	16.90	14.67	4.70	32.30	4.85	42.32	170.83
8665	41.45	15.56	12.44	3.98	19.13	2.87	31.87	127.30	51.81	15.99	16.27	5.21	32.30	4.85	42.90	169.33
8670	42.40	15.89	12.48	4.00	19.13	2.87	30.09	126.86	53.01	16.32	16.41	5.25	32.30	4.85	40.75	168.89
8675	45.91	17.32	12.48	4.00	21.00	3.15	32.62	136.48	57.39	17.79	16.41	5.25	35.14	5.27	44.17	181.42
8685	33.03	12.18	9.74	3.12	11.35	1.70	23.37	94.49	41.28	12.52	12.81	4.10	18.85	2.83	31.65	124.04
8690	21.65	7.84	6.18	1.61	7.66	1.15	16.55	62.64	27.07	8.06	8.02	2.08	13.30	2.00	22.27	82.80
8695	35.69	12.93	13.28	3.45	12.69	1.90	27.27	107.21	44.61	13.28	17.23	4.48	22.05	3.31	36.71	141.67
8700	43.88	15.86	15.88	4.13	15.05	2.26	33.52	130.58	54.85	16.30	20.60	5.36	26.14	3.92	45.13	172.30
8715	3.54	1.80	0.00	1.01	1.58	0.24	3.18	11.35	4.25	1.83	0.00	1.01	2.06	0.31	4.09	13.55
8720	4.72	2.46	0.00	1.26	2.45	0.37	4.26	15.52	5.66	2.50	0.00	1.26	3.20	0.48	5.48	18.58
8725	5.53	2.87	0.00	1.51	2.85	0.43	4.99	18.18	6.63	2.92	0.00	1.51	3.72	0.56	6.42	21.76
8735	4.58	2.25	0.00	1.51	1.52	0.23	4.08	14.17	5.49	2.29	0.00	1.51	1.98	0.30	5.25	16.82
8740	5.83	2.99	0.00	1.51	2.72	0.41	5.25	18.71	6.99	3.04	0.00	1.51	3.56	0.53	6.74	22.37
8750	2.11	1.08	0.00	0.50	0.93	0.14	1.90	6.66	2.54	1.10	0.00	0.50	1.22	0.18	2.44	7.98
8765	7.71	2.95	3.44	0.96	0.81	0.12	7.22	23.21	9.64	3.03	4.50	1.26	1.38	0.21	10.23	30.25
8770	12.37	4.80	6.88	1.93	1.99	0.30	11.62	39.89	15.46	4.91	8.99	2.52	3.42	0.51	16.46	52.27
8780	12.16	4.61	7.58	2.12	0.45	0.07	11.36	38.35	15.20	4.72	9.91	2.77	0.74	0.11	16.10	49.55
8795	3.18	1.34	1.50	0.54	0.00	0.00	4.83	11.39	3.98	1.37	1.97	0.71	0.00	0.00	6.59	14.62
8800	4.58	1.93	1.85	0.67	0.00	0.00	6.95	15.98	5.73	1.97	2.44	0.88	0.00	0.00	9.48	20.50
8805	6.57	2.77	2.62	0.94	0.00	0.00	9.98	22.88	8.22	2.83	3.45	1.24	0.00	0.00	13.61	29.35
8810	9.20	3.88	3.33	1.20	0.00	0.00	13.96	31.57	11.50	3.96	4.38	1.58	0.00	0.00	19.03	40.45
8820	2.86	1.20	1.55	0.56	0.00	0.00	4.33	10.50	3.57	1.23	2.04	0.73	0.00	0.00	5.91	13.48
8825	3.24	1.36	1.55	0.56	0.00	0.00	4.91	11.62	4.05	1.39	2.04	0.73	0.00	0.00	6.70	14.91
8830	0.63	0.24	0.00	0.08	0.00	0.00	0.65	1.60	0.79	0.25	0.00	0.08	0.00	0.00	0.91	2.03
8835	0.46	0.17	0.00	0.08	0.00	0.00	0.47	1.18	0.57	0.18	0.00	0.08	0.00	0.00	0.66	1.49
8840	3.61	1.52	2.14	0.77	0.00	0.00	5.48	13.52	4.52	1.56	2.82	1.01	0.00	0.00	7.48	17.39
8845	4.08	1.72	2.14	0.77	0.00	0.00	6.20	14.91	5.11	1.76	2.82	1.01	0.00	0.00	8.45	19.15
8850	0.64	0.24	0.00	0.08	0.00	0.00	0.65	1.61	0.79	0.25	0.00	0.08	0.00	0.00	0.92	2.04
8855	0.72	0.27	0.00	0.08	0.00	0.00	0.74	1.81	0.90	0.28	0.00	0.08	0.00	0.00	1.03	2.29
8860	1.30	0.49	0.00	0.08	0.00	0.00	1.33	3.20	1.62	0.50	0.00	0.08	0.00	0.00	1.87	4.07
8865	6.00	2.53	2.85	1.03	0.00	0.00	9.11	21.52	7.51	2.59	3.76	1.35	0.00	0.00	12.43	27.64
8870	6.87	2.90	2.85	1.03	0.00	0.00	10.43	24.08	8.59	2.96	3.76	1.35	0.00	0.00	14.22	30.88
8875	0.78	0.29	0.00	0.08	0.00	0.00	0.80	1.95	0.97	0.30	0.00	0.08	0.00	0.00	1.12	2.47
8880	0.88	0.33	0.00	0.08	0.00	0.00	0.90	2.19	1.10	0.34	0.00	0.08	0.00	0.00	1.27	2.79
8885	1.20	0.45	0.00	0.08	0.00	0.00	1.23	2.96	1.50	0.46	0.00	0.08	0.00	0.00	1.73	3.77
8890	7.51	3.16	3.33	1.20	0.00	0.00	11.39	26.59	9.38	3.23	4.38	1.58	0.00	0.00	15.53	34.10
8895	7.97	3.36	3.92	1.41	0.00	0.00	12.09	28.75	9.96	3.43	5.17	1.86	0.00	0.00	16.49	36.91
8900	8.28	3.49	3.92	1.41	0.00	0.00	12.56	29.66	10.35	3.57	5.17	1.86	0.00	0.00	17.13	38.08
8905	9.23	3.89	3.92	1.41	0.00	0.00	14.01	32.46	11.54	3.98	5.17	1.86	0.00	0.00	19.11	41.66
8910	1.07	0.41	0.00	0.08	0.00	0.00	1.10	2.66	1.34	0.42	0.00	0.08	0.00	0.00	1.55	3.39
8915	1.10	0.42	0.00	0.08	0.00	0.00	1.13	2.73	1.38	0.43	0.00	0.08	0.00	0.00	1.59	3.48
8920	1.47	0.55	0.00	0.08	0.00	0.00	1.50	3.60	1.83	0.57	0.00	0.08	0.00	0.00	2.11	4.59
8925	10.89	4.59	4.76	1.71	0.00	0.00	16.53	38.48	13.61	4.69	6.26	2.26	0.00	0.00	22.53	49.35
8930	11.78	4.96	5.94	2.14	0.00	0.00	17.87	42.69	14.72	5.07	7.83	2.82	0.00	0.00	24.37	54.81
8935	12.52	5.28	5.11	1.84	0.00	0.00	19.00	43.75	15.65	5.39	6.73	2.42	0.00	0.00	25.90	56.09
8940	14.49	6.11	5.11	1.84	0.00	0.00	22.00	49.55	18.12	6.24	6.73	2.42	0.00	0.00	29.99	63.50
8945	1.67	0.63	0.00	0.08	0.00	0.00	1.71	4.09	2.09	0.65	0.00	0.08	0.00	0.00	2.41	5.23
8950	1.84	0.70	0.00	0.08	0.00	0.00	1.88	4.50	2.30	0.71	0.00	0.08	0.00	0.00	2.65	5.74
8955	1.73	0.66	0.00	0.08	0.00	0.00	1.78	4.25	2.17	0.67	0.00	0.08	0.00	0.00	2.50	5.42
8960	1.86	0.71	0.00	0.10	0.00	0.00	1.91	4.58	2.33	0.72	0.00	0.10	0.00	0.00	2.69	5.84
8965	20.26	7.67	7.97	2.23	0.00	0.00	23.36	61.49	25.32	7.86	10.49	2.94	0.00	0.00	32.45	79.06
8970	20.99	7.95	9.51	2.66	0.00	0.00	24.20	65.31	26.23	8.14	12.53	3.51	0.00	0.00	33.61	84.02
8975	2.63	1.00	0.00	0.12	0.00	0.00	2.70	6.45	3.29	1.02	0.00	0.12	0.00	0.00	3.80	8.23
8980	2.90	1.10	0.00	0.13	0.00	0.00	2.98	7.11	3.63	1.13	0.00	0.13	0.00	0.00	4.19	9.08

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	
8985	2.72	1.03	0.00	0.13	0.00	0.00	2.79	6.67	3.40	1.05	0.00	0.13	0.00	0.00	3.92	8.50
8990	0.07	0.03	0.00	0.05	0.00	0.00	0.08	0.23	0.09	0.03	0.00	0.05	0.00	0.00	0.11	0.28
8995	2.00	0.76	0.00	0.15	0.00	0.00	2.05	4.96	2.50	0.78	0.00	0.15	0.00	0.00	2.89	6.32
9000	24.14	9.71	10.94	2.63	0.00	0.00	25.99	73.41	28.97	9.89	14.41	3.46	0.00	0.00	34.65	91.38
9005	3.56	1.35	0.00	0.19	0.00	0.00	3.65	8.75	4.45	1.38	0.00	0.19	0.00	0.00	5.13	11.15
9010	3.66	1.39	0.00	0.19	0.00	0.00	3.75	8.99	4.58	1.42	0.00	0.19	0.00	0.00	5.28	11.47
9015	3.05	1.16	0.00	0.16	0.00	0.00	3.13	7.50	3.81	1.18	0.00	0.16	0.00	0.00	4.40	9.55
9020	0.90	0.34	0.00	0.12	0.00	0.00	0.92	2.28	1.13	0.35	0.00	0.12	0.00	0.00	1.30	2.90
9025	0.10	0.04	0.00	0.08	0.00	0.00	0.10	0.32	0.12	0.04	0.00	0.08	0.00	0.00	0.14	0.38
9030	2.17	0.82	0.00	0.20	0.00	0.00	2.22	5.41	2.71	0.84	0.00	0.20	0.00	0.00	3.13	6.88
9035	40.59	16.33	16.65	4.00	0.00	0.00	43.70	121.27	48.71	16.63	21.92	5.26	0.00	0.00	58.27	150.79
9040	5.45	2.07	0.00	0.28	0.00	0.00	5.59	13.39	6.82	2.12	0.00	0.28	0.00	0.00	7.86	17.08
9045	6.00	2.27	0.00	0.29	0.00	0.00	6.15	14.71	7.49	2.33	0.00	0.29	0.00	0.00	8.64	18.75
9050	0.11	0.04	0.00	0.08	0.00	0.00	0.12	0.35	0.14	0.04	0.00	0.08	0.00	0.00	0.16	0.42
9055	3.90	1.48	0.00	0.20	0.00	0.00	4.00	9.58	4.87	1.51	0.00	0.20	0.00	0.00	5.62	12.20
9060	43.60	17.54	18.31	4.39	0.00	0.00	46.94	130.78	52.31	17.86	24.12	5.79	0.00	0.00	62.58	162.66
9065	5.79	2.19	0.00	0.40	0.00	0.00	5.94	14.32	7.24	2.25	0.00	0.40	0.00	0.00	8.35	18.24
9070	6.23	2.36	0.00	0.42	0.00	0.00	6.38	15.39	7.78	2.41	0.00	0.42	0.00	0.00	8.98	19.59
9080	3.31	1.40	1.50	0.54	0.00	0.00	5.03	11.78	4.14	1.43	1.97	0.71	0.00	0.00	6.86	15.11
9085	3.97	1.67	1.85	0.67	0.00	0.00	6.02	14.18	4.96	1.71	2.44	0.88	0.00	0.00	8.21	18.20
9090	4.26	1.80	2.09	0.75	0.00	0.00	6.47	15.37	5.33	1.84	2.76	0.99	0.00	0.00	8.82	19.74
9095	0.71	0.27	0.00	0.08	0.00	0.00	0.73	1.79	0.89	0.28	0.00	0.08	0.00	0.00	1.03	2.28
9100	0.71	0.27	0.00	0.05	0.00	0.00	0.73	1.76	0.89	0.28	0.00	0.05	0.00	0.00	1.03	2.25
9105	5.69	2.40	2.54	0.92	0.00	0.00	8.63	20.18	7.11	2.45	3.35	1.21	0.00	0.00	11.77	25.89
9110	5.97	2.52	2.90	1.04	0.00	0.00	9.06	21.49	7.46	2.57	3.82	1.38	0.00	0.00	12.35	27.58
9115	0.79	0.30	0.00	0.08	0.00	0.00	0.81	1.98	0.99	0.31	0.00	0.08	0.00	0.00	1.14	2.52
9120	0.97	0.37	0.00	0.05	0.00	0.00	0.99	2.38	1.21	0.38	0.00	0.05	0.00	0.00	1.40	3.04
9125	7.96	3.36	3.57	1.28	0.00	0.00	12.09	28.26	9.95	3.43	4.70	1.69	0.00	0.00	16.48	36.25
9130	1.21	0.46	0.00	0.08	0.00	0.00	1.24	2.99	1.52	0.47	0.00	0.08	0.00	0.00	1.75	3.82
9135	1.21	0.46	0.00	0.05	0.00	0.00	1.24	2.96	1.51	0.47	0.00	0.05	0.00	0.00	1.75	3.78
9140	11.85	5.00	5.30	1.91	0.00	0.00	17.99	42.05	14.81	5.10	6.98	2.51	0.00	0.00	24.53	53.93
9145	1.29	0.49	0.00	0.08	0.00	0.00	1.33	3.19	1.62	0.50	0.00	0.08	0.00	0.00	1.87	4.07
9150	1.36	0.51	0.00	0.08	0.00	0.00	1.39	3.34	1.70	0.53	0.00	0.08	0.00	0.00	1.96	4.27
9155	1.84	0.70	0.00	0.05	0.00	0.00	1.89	4.48	2.30	0.71	0.00	0.05	0.00	0.00	2.66	5.72
9160	19.24	7.28	7.13	2.00	0.00	0.00	22.19	57.84	24.05	7.46	9.40	2.63	0.00	0.00	30.82	74.36
9165	2.57	0.97	0.00	0.12	0.00	0.00	2.63	6.29	3.21	1.00	0.00	0.12	0.00	0.00	3.70	8.03
9170	2.60	0.99	0.00	0.10	0.00	0.00	2.67	6.36	3.25	1.01	0.00	0.10	0.00	0.00	3.75	8.11
9175	24.77	9.96	10.82	2.60	0.00	0.00	26.66	74.81	29.72	10.15	14.25	3.42	0.00	0.00	35.55	93.09
9180	3.89	1.47	0.00	0.22	0.00	0.00	3.99	9.57	4.86	1.51	0.00	0.22	0.00	0.00	5.61	12.20
9185	4.00	1.51	0.00	0.25	0.00	0.00	4.10	9.86	5.00	1.55	0.00	0.25	0.00	0.00	5.76	12.56
9190	2.48	0.94	0.00	0.12	0.00	0.00	2.55	6.09	3.10	0.96	0.00	0.12	0.00	0.00	3.58	7.76
9195	33.28	13.39	12.48	3.00	0.00	0.00	35.83	97.98	39.94	13.64	16.44	3.95	0.00	0.00	47.77	121.74
9200	4.49	1.70	0.00	0.26	0.00	0.00	4.60	11.05	5.61	1.74	0.00	0.26	0.00	0.00	6.47	14.08
9205	5.14	1.95	0.00	0.25	0.00	0.00	5.27	12.61	6.42	1.99	0.00	0.25	0.00	0.00	7.41	16.07
9210	2.86	1.08	0.00	0.12	0.00	0.00	2.93	6.99	3.57	1.11	0.00	0.12	0.00	0.00	4.12	8.92
9220	3.60	1.52	1.55	0.56	0.00	0.00	5.46	12.69	4.50	1.55	2.04	0.73	0.00	0.00	7.45	16.27
9225	4.60	1.94	1.85	0.67	0.00	0.00	6.98	16.04	5.75	1.98	2.44	0.88	0.00	0.00	9.51	20.56
9230	6.90	2.91	2.62	0.94	0.00	0.00	10.47	23.84	8.62	2.97	3.45	1.24	0.00	0.00	14.28	30.56
9235	8.49	3.58	3.33	1.20	0.00	0.00	12.89	29.49	10.61	3.66	4.38	1.58	0.00	0.00	17.57	37.80
9240	0.99	0.38	0.00	0.05	0.00	0.00	1.02	2.44	1.24	0.38	0.00	0.05	0.00	0.00	1.43	3.10
9245	1.12	0.42	0.00	0.05	0.00	0.00	1.14	2.73	1.40	0.43	0.00	0.05	0.00	0.00	1.61	3.49
9250	13.10	5.52	4.99	1.80	0.00	0.00	19.88	45.29	16.38	5.64	6.58	2.37	0.00	0.00	27.11	58.08
9255	1.75	0.66	0.00	0.05	0.00	0.00	1.79	4.25	2.19	0.68	0.00	0.05	0.00	0.00	2.52	5.44
9260	1.19	0.45	0.00	0.05	0.00	0.00	1.22	2.91	1.48	0.46	0.00	0.05	0.00	0.00	1.71	3.70
9265	18.15	6.87	7.61	2.13	0.00	0.00	20.93	55.69	22.69	7.04	10.02	2.81	0.00	0.00	29.07	71.63

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
9270	2.16	0.82	0.00	0.10	0.00	0.00	2.21	5.29	2.70	0.84	0.00	0.10	0.00	0.00	3.11	6.75
9275	1.79	0.68	0.00	0.12	0.00	0.00	1.83	4.42	2.23	0.69	0.00	0.12	0.00	0.00	2.58	5.62
9280	0.75	0.28	0.00	0.08	0.00	0.00	0.77	1.88	0.94	0.29	0.00	0.08	0.00	0.00	1.08	2.39
9285	0.44	0.16	0.00	0.13	0.00	0.00	0.45	1.18	0.54	0.17	0.00	0.13	0.00	0.00	0.63	1.47
9290	0.07	0.03	0.00	0.08	0.00	0.00	0.07	0.25	0.09	0.03	0.00	0.08	0.00	0.00	0.10	0.30
9300	2.56	1.08	1.00	0.36	0.00	0.00	3.88	8.88	3.20	1.10	1.32	0.47	0.00	0.00	5.29	11.38
9305	3.38	1.43	1.66	0.60	0.00	0.00	5.13	12.20	4.23	1.46	2.19	0.79	0.00	0.00	7.00	15.67
9310	4.00	1.68	1.85	0.67	0.00	0.00	6.07	14.27	5.00	1.72	2.44	0.88	0.00	0.00	8.27	18.31
9315	6.23	2.63	2.85	1.03	0.00	0.00	9.46	22.20	7.79	2.68	3.76	1.35	0.00	0.00	12.89	28.47
9320	6.51	2.74	2.85	1.03	0.00	0.00	9.88	23.01	8.13	2.80	3.76	1.35	0.00	0.00	13.47	29.51
9325	8.33	3.51	3.92	1.41	0.00	0.00	12.64	29.81	10.41	3.59	5.17	1.86	0.00	0.00	17.24	38.27
9330	9.23	3.89	3.92	1.41	0.00	0.00	14.01	32.46	11.54	3.98	5.17	1.86	0.00	0.00	19.11	41.66
9340	2.92	1.23	1.57	0.57	0.00	0.00	4.43	10.72	3.65	1.26	2.07	0.74	0.00	0.00	6.05	13.77
9345	0.51	0.19	0.00	0.15	0.00	0.00	0.52	1.37	0.64	0.20	0.00	0.15	0.00	0.00	0.73	1.72
9350	4.41	1.86	2.14	0.77	0.00	0.00	6.69	15.87	5.51	1.90	2.82	1.01	0.00	0.00	9.12	20.36
9355	0.55	0.21	0.00	0.15	0.00	0.00	0.57	1.48	0.69	0.21	0.00	0.15	0.00	0.00	0.80	1.85
9360	6.79	2.86	2.95	1.06	0.00	0.00	10.30	23.96	8.48	2.92	3.88	1.40	0.00	0.00	14.05	30.73
9365	0.61	0.23	0.00	0.15	0.00	0.00	0.62	1.61	0.76	0.24	0.00	0.15	0.00	0.00	0.88	2.03
9370	9.55	4.02	3.92	1.41	0.00	0.00	14.49	33.39	11.93	4.11	5.17	1.86	0.00	0.00	19.75	42.82
9375	0.80	0.30	0.00	0.15	0.00	0.00	0.82	2.07	1.00	0.31	0.00	0.15	0.00	0.00	1.15	2.61
9380	13.30	5.61	5.23	1.88	0.00	0.00	20.19	46.21	16.63	5.73	6.89	2.48	0.00	0.00	27.53	59.26
9385	1.25	0.47	0.00	0.18	0.00	0.00	1.28	3.18	1.56	0.48	0.00	0.18	0.00	0.00	1.80	4.02
9390	1.33	0.50	0.00	0.20	0.00	0.00	1.36	3.39	1.66	0.52	0.00	0.20	0.00	0.00	1.92	4.30
9395	20.11	7.61	7.61	2.13	0.00	0.00	23.19	60.65	25.14	7.80	10.02	2.81	0.00	0.00	32.21	77.98
9400	1.71	0.65	0.00	0.34	0.00	0.00	1.76	4.46	2.14	0.66	0.00	0.34	0.00	0.00	2.47	5.61
9405	1.81	0.68	0.00	0.34	0.00	0.00	1.85	4.68	2.26	0.70	0.00	0.34	0.00	0.00	2.61	5.91
9410	25.84	9.78	9.75	2.73	0.00	0.00	29.81	77.91	32.30	10.02	12.84	3.60	0.00	0.00	41.40	100.16
9415	2.33	0.88	0.00	0.40	0.00	0.00	2.39	6.00	2.91	0.90	0.00	0.40	0.00	0.00	3.36	7.57
9420	2.12	0.80	0.00	0.58	0.00	0.00	2.17	5.67	2.65	0.82	0.00	0.58	0.00	0.00	3.06	7.11
9425	37.34	15.02	14.74	3.54	0.00	0.00	40.20	110.84	44.81	15.30	19.42	4.66	0.00	0.00	53.61	137.80
9430	5.57	2.11	0.00	0.64	0.00	0.00	5.71	14.03	6.96	2.16	0.00	0.64	0.00	0.00	8.02	17.78
9435	5.23	1.98	0.00	0.61	0.00	0.00	5.36	13.18	6.54	2.03	0.00	0.61	0.00	0.00	7.54	16.72
9440	4.89	1.85	0.00	0.59	0.00	0.00	5.02	12.35	6.12	1.90	0.00	0.59	0.00	0.00	7.06	15.67
9450	11.59	4.89	4.87	1.75	0.00	0.00	17.59	40.69	14.49	4.99	6.42	2.31	0.00	0.00	23.99	52.20
9455	1.23	0.47	0.00	0.05	0.00	0.00	1.26	3.01	1.54	0.48	0.00	0.05	0.00	0.00	1.77	3.84
9460	1.38	0.52	0.00	0.05	0.00	0.00	1.41	3.36	1.72	0.53	0.00	0.05	0.00	0.00	1.99	4.29
9465	1.41	0.53	0.00	0.05	0.00	0.00	1.45	3.44	1.76	0.55	0.00	0.05	0.00	0.00	2.03	4.39
9470	14.56	5.51	6.18	1.73	0.00	0.00	16.79	44.77	18.19	5.65	8.14	2.28	0.00	0.00	23.31	57.57
9475	1.74	0.66	0.00	0.05	0.00	0.00	1.78	4.23	2.17	0.67	0.00	0.05	0.00	0.00	2.51	5.40
9480	2.28	0.86	0.00	0.05	0.00	0.00	2.34	5.53	2.85	0.88	0.00	0.05	0.00	0.00	3.29	7.07
9485	1.90	0.72	0.00	0.05	0.00	0.00	1.95	4.62	2.37	0.74	0.00	0.05	0.00	0.00	2.74	5.90
9490	19.53	7.39	8.32	2.33	0.00	0.00	22.52	60.09	24.41	7.57	10.96	3.07	0.00	0.00	31.28	77.29
9495	2.27	0.86	0.00	0.12	0.00	0.00	2.33	5.58	2.84	0.88	0.00	0.12	0.00	0.00	3.28	7.12
9500	2.49	0.94	0.00	0.13	0.00	0.00	2.55	6.11	3.11	0.97	0.00	0.13	0.00	0.00	3.59	7.80
9505	2.18	0.82	0.00	0.11	0.00	0.00	2.23	5.34	2.72	0.84	0.00	0.11	0.00	0.00	3.14	6.81
9510	0.09	0.03	0.00	0.05	0.00	0.00	0.09	0.26	0.12	0.04	0.00	0.05	0.00	0.00	0.13	0.34
9515	0.58	0.22	0.00	0.11	0.00	0.00	0.60	1.51	0.73	0.23	0.00	0.11	0.00	0.00	0.84	1.91
9530	13.38	4.70	4.63	1.30	2.46	0.37	9.02	35.86	16.72	4.83	6.09	1.71	5.16	0.77	12.21	47.49
9535	18.79	6.84	6.83	1.91	6.12	0.92	12.74	54.15	23.49	7.02	8.99	2.52	12.82	1.92	17.26	74.02
9540	27.54	10.13	9.92	2.78	7.32	1.10	18.71	77.50	34.43	10.41	13.05	3.65	15.34	2.30	25.33	104.51
9550	19.93	7.28	6.66	1.86	6.90	1.04	13.52	57.19	24.91	7.49	8.76	2.45	14.46	2.17	18.31	78.55
9555	33.51	12.32	12.61	3.53	8.92	1.34	22.76	94.99	41.88	12.66	16.59	4.64	18.68	2.80	30.82	128.07
9570	1.58	0.55	1.37	0.38	0.24	0.04	1.06	5.22	1.97	0.57	1.80	0.50	0.49	0.07	1.44	6.84
9575	1.27	0.45	1.10	0.31	0.30	0.04	0.86	4.33	1.59	0.47	1.45	0.41	0.62	0.09	1.16	5.79
9580	1.40	0.50	1.37	0.38	0.32	0.05	0.95	4.97	1.75	0.51	1.80	0.50	0.66	0.10	1.28	6.60

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	
9585	1.74	0.61	1.83	0.51	0.29	0.04	1.17	6.19	2.18	0.63	2.41	0.67	0.61	0.09	1.59	8.18
9600	0.26	0.10	0.49	0.14	0.04	0.01	0.27	1.31	0.32	0.10	0.64	0.18	0.05	0.01	0.38	1.68
9605	1.11	0.41	0.99	0.28	0.05	0.01	1.16	4.01	1.38	0.42	1.28	0.36	0.07	0.01	1.61	5.13
9610	1.54	0.57	1.53	0.43	0.07	0.01	1.61	5.76	1.92	0.59	2.00	0.56	0.10	0.02	2.23	7.42
9615	2.77	1.05	1.41	0.39	0.21	0.03	2.91	8.77	3.47	1.07	1.86	0.52	0.30	0.05	4.04	11.31
9620	5.71	2.14	2.31	0.65	0.34	0.05	5.98	17.18	7.14	2.20	3.04	0.85	0.49	0.07	8.30	22.09
9630	1.89	0.70	0.53	0.15	0.07	0.01	1.97	5.32	2.36	0.72	0.70	0.19	0.10	0.02	2.74	6.83
9635	3.68	1.38	0.97	0.27	0.21	0.03	3.86	10.40	4.60	1.42	1.28	0.36	0.30	0.05	5.35	13.36
9640	4.08	1.53	1.21	0.34	0.21	0.03	4.27	11.67	5.10	1.57	1.59	0.45	0.30	0.05	5.93	14.99
9645	6.59	2.42	2.49	0.70	0.00	0.00	6.87	19.07	8.24	2.48	3.28	0.92	0.00	0.00	9.54	24.46
9650	12.92	4.74	3.86	1.08	0.00	0.00	13.46	36.06	16.15	4.86	5.07	1.42	0.00	0.00	18.69	46.19
9665	11.70	4.29	2.20	0.62	0.00	0.00	12.19	31.00	14.62	4.40	2.90	0.81	0.00	0.00	16.93	39.66
9670	16.92	6.21	3.53	0.99	0.00	0.00	17.63	45.28	21.16	6.36	4.64	1.30	0.00	0.00	24.49	57.95
9675	22.34	8.19	3.53	0.99	0.00	0.00	23.28	58.33	27.93	8.40	4.64	1.30	0.00	0.00	32.33	74.60
9685	8.43	3.09	1.48	0.41	0.00	0.00	8.78	22.19	10.53	3.17	1.94	0.54	0.00	0.00	12.19	28.37
9690	9.11	3.34	1.48	0.41	0.00	0.00	9.49	23.83	11.38	3.42	1.94	0.54	0.00	0.00	13.18	30.46
9695	9.43	3.46	1.48	0.41	0.00	0.00	9.82	24.60	11.78	3.54	1.94	0.54	0.00	0.00	13.64	31.44
9700	11.78	4.32	2.25	0.63	0.00	0.00	12.28	31.26	14.73	4.43	2.96	0.83	0.00	0.00	17.05	40.00
9705	22.01	8.07	3.86	1.08	0.00	0.00	22.94	57.96	27.52	8.27	5.07	1.42	0.00	0.00	31.86	74.14
9720	1.09	0.29	1.71	0.48	0.13	0.02	0.95	4.67	1.30	0.30	2.27	0.64	0.16	0.02	1.31	6.00
9725	1.36	0.36	1.71	0.48	0.15	0.02	1.19	5.27	1.63	0.37	2.27	0.64	0.20	0.03	1.63	6.77
9730	1.19	0.32	1.71	0.48	0.17	0.03	1.05	4.95	1.43	0.33	2.27	0.64	0.21	0.03	1.43	6.34
9735	1.41	0.38	1.71	0.48	0.20	0.03	1.24	5.45	1.69	0.39	2.27	0.64	0.26	0.04	1.70	6.99
9740	1.25	0.34	1.71	0.48	0.27	0.04	1.10	5.19	1.50	0.35	2.27	0.64	0.34	0.05	1.51	6.66
9745	1.89	0.67	5.23	1.57	0.45	0.07	1.43	11.31	2.52	0.70	6.72	2.02	0.57	0.09	2.23	14.85
9750	2.06	0.73	2.89	0.75	0.45	0.07	1.56	8.51	2.74	0.75	3.76	0.98	0.57	0.09	2.42	11.31
9755	1.97	0.70	5.23	1.57	0.45	0.07	1.49	11.48	2.63	0.72	6.72	2.02	0.57	0.09	2.32	15.07
9760	2.41	0.84	2.89	0.75	0.45	0.07	1.82	9.23	3.21	0.88	3.76	0.98	0.57	0.09	2.83	12.32
9765	2.42	0.86	6.19	1.86	0.52	0.08	1.84	13.77	3.23	0.89	7.96	2.39	0.66	0.10	2.86	18.09
9770	3.28	1.17	3.57	0.93	0.89	0.13	2.49	12.46	4.37	1.22	4.64	1.21	1.14	0.17	3.88	16.63
9775	3.45	1.12	9.62	3.08	0.91	0.14	2.44	20.76	4.60	1.17	12.40	3.97	1.17	0.18	3.80	27.29
9780	5.78	1.84	6.12	1.71	1.11	0.17	4.07	20.80	7.70	1.91	7.96	2.23	1.44	0.22	6.33	27.79
9785	5.61	1.79	6.12	1.71	1.15	0.17	3.96	20.51	7.48	1.87	7.96	2.23	1.48	0.22	6.16	27.40
9790	5.68	1.81	6.12	1.71	1.15	0.17	4.01	20.65	7.58	1.89	7.96	2.23	1.48	0.22	6.23	27.59
9795	5.55	1.77	4.46	1.25	1.15	0.17	3.91	18.26	7.40	1.85	5.80	1.62	1.48	0.22	6.09	24.46
9800	7.90	2.51	8.92	2.50	1.56	0.23	5.57	29.19	10.53	2.62	11.60	3.25	2.02	0.30	8.66	38.98
9805	7.74	2.48	6.09	1.71	1.67	0.25	5.46	25.40	10.32	2.58	7.92	2.22	2.15	0.32	8.50	34.01
9810	7.43	2.39	8.92	2.50	1.67	0.25	5.24	28.40	9.90	2.48	11.60	3.25	2.15	0.32	8.16	37.86
9815	9.12	2.87	10.20	2.86	1.39	0.21	6.41	33.06	12.16	2.99	13.26	3.71	1.80	0.27	9.97	44.16
9825	1.06	0.29	1.15	0.32	0.14	0.02	0.93	3.91	1.27	0.29	1.53	0.43	0.18	0.03	1.28	5.01
9830	1.27	0.34	1.15	0.32	0.14	0.02	1.12	4.36	1.53	0.35	1.53	0.43	0.18	0.03	1.53	5.58
9835	1.19	0.32	2.05	0.58	0.14	0.02	1.04	5.34	1.42	0.33	2.74	0.77	0.18	0.03	1.43	6.90
9840	1.68	0.44	2.05	0.58	0.14	0.02	1.47	6.38	2.01	0.46	2.74	0.77	0.18	0.03	2.01	8.20
9845	1.91	0.50	2.05	0.58	0.16	0.02	1.67	6.89	2.29	0.52	2.74	0.77	0.21	0.03	2.29	8.85
9850	1.39	0.37	2.05	0.58	0.14	0.02	1.22	5.77	1.67	0.38	2.74	0.77	0.18	0.03	1.67	7.44
9855	1.62	0.43	2.05	0.58	0.17	0.03	1.42	6.30	1.94	0.44	2.74	0.77	0.22	0.03	1.94	8.08
9860	1.60	0.44	2.05	0.58	0.28	0.04	1.41	6.40	1.92	0.45	2.74	0.77	0.35	0.05	1.94	8.22
9865	1.86	0.66	4.74	1.42	0.45	0.07	1.41	10.61	2.48	0.69	6.09	1.83	0.57	0.09	2.19	13.94
9870	2.21	0.78	4.74	1.42	0.45	0.07	1.67	11.34	2.95	0.81	6.09	1.83	0.57	0.09	2.60	14.94
9875	2.72	0.95	2.80	0.73	0.45	0.07	2.05	9.77	3.62	0.98	3.65	0.95	0.57	0.09	3.19	13.05
9880	2.19	0.78	6.10	1.83	0.52	0.08	1.66	13.16	2.92	0.81	7.84	2.35	0.66	0.10	2.58	17.26
9885	2.50	0.90	2.80	0.73	0.65	0.10	1.90	9.58	3.34	0.93	3.65	0.95	0.83	0.12	2.96	12.78
9890	3.44	1.14	9.15	2.93	1.14	0.17	2.45	20.42	4.59	1.18	11.79	3.77	1.47	0.22	3.80	26.82
9895	4.31	1.40	5.23	1.46	1.14	0.17	3.05	16.76	5.75	1.46	6.80	1.90	1.47	0.22	4.75	22.35
9900	4.45	1.42	4.54	1.27	0.90	0.13	3.14	15.85	5.94	1.48	5.90	1.65	1.15	0.17	4.88	21.17

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CPC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
9905	5.26	1.68	4.46	1.25	1.14	0.17	3.71	17.67	7.01	1.75	5.80	1.62	1.47	0.22	5.77	23.64
9910	6.00	2.08	5.17	1.34	0.89	0.13	4.52	20.13	8.00	2.16	6.72	1.75	1.12	0.17	7.03	26.95
9915	7.32	2.30	7.75	2.17	1.14	0.17	5.14	25.99	9.76	2.40	10.08	2.82	1.47	0.22	8.00	34.75
9920	7.30	2.33	7.75	2.17	1.48	0.22	5.15	26.40	9.74	2.43	10.08	2.82	1.88	0.28	8.01	35.24
9925	7.36	2.36	7.83	2.19	1.64	0.25	5.19	26.82	9.81	2.46	10.18	2.85	2.09	0.31	8.08	35.78
9935	1.75	0.61	2.63	0.69	0.33	0.05	1.32	7.38	2.33	0.63	3.43	0.89	0.41	0.06	2.05	9.80
9940	1.55	0.55	4.27	1.28	0.33	0.05	1.17	9.20	2.07	0.57	5.49	1.65	0.41	0.06	1.82	12.07
9945	2.28	0.79	2.80	0.73	0.33	0.05	1.71	8.69	3.03	0.82	3.65	0.95	0.41	0.06	2.66	11.58
9950	2.86	0.99	3.06	0.80	0.45	0.07	2.15	10.38	3.81	1.03	3.98	1.03	0.57	0.09	3.35	13.86
9955	4.79	1.54	5.35	1.50	1.14	0.17	3.38	17.87	6.38	1.60	6.96	1.95	1.47	0.22	5.26	23.84
9960	6.44	2.04	5.86	1.64	1.14	0.17	4.53	21.82	8.59	2.12	7.62	2.13	1.47	0.22	7.05	29.20
9965	6.78	2.14	7.65	2.14	1.14	0.17	4.77	24.79	9.04	2.23	9.94	2.78	1.47	0.22	7.42	33.10
9970	6.59	2.08	5.35	1.50	1.14	0.17	4.64	21.47	8.79	2.17	6.96	1.95	1.47	0.22	7.21	28.77
9975	6.90	2.18	5.86	1.64	1.14	0.17	4.86	22.75	9.20	2.27	7.62	2.13	1.47	0.22	7.55	30.46
9985	7.94	2.50	7.65	2.14	1.27	0.19	5.58	27.27	10.59	2.60	9.94	2.78	1.63	0.25	8.69	36.48
9990	7.65	2.41	7.65	2.14	1.27	0.19	5.38	26.69	10.20	2.51	9.94	2.78	1.63	0.25	8.37	35.68
9995	7.88	2.48	6.88	1.93	1.27	0.19	5.54	26.17	10.50	2.58	8.95	2.51	1.63	0.25	8.62	35.04
10055	6.92	2.22	7.65	2.14	1.60	0.24	4.89	25.66	9.23	2.31	9.94	2.78	2.10	0.31	7.60	34.27
10060	7.54	2.38	7.65	2.14	1.27	0.19	5.31	26.48	10.06	2.48	9.94	2.78	1.63	0.25	8.25	35.39
10065	7.25	2.30	7.65	2.14	1.27	0.19	5.11	25.91	9.67	2.39	9.94	2.78	1.63	0.25	7.94	34.60
10070	9.30	2.91	8.92	2.50	1.27	0.19	6.53	31.62	12.40	3.03	11.60	3.25	1.63	0.25	10.16	42.32
10085	2.66	0.81	0.00	0.10	0.00	0.00	2.21	5.78								
10090	3.20	0.97	0.00	0.10	0.00	0.00	2.66	6.93								
10095	4.95	1.50	0.00	0.10	0.00	0.00	4.12	10.67								
10100	6.12	1.85	0.00	0.10	0.00	0.00	5.09	13.16								
10105	6.77	2.05	0.00	0.10	0.00	0.00	5.63	14.55								
10115	0.64	0.19	0.00	0.09	0.00	0.00	0.53	1.45	0.85	0.20	0.00	0.09	0.00	0.00	0.81	1.95
10120	1.01	0.31	0.00	0.09	0.00	0.00	0.84	2.25	1.34	0.32	0.00	0.09	0.00	0.00	1.28	3.03
10125	1.02	0.31	0.00	0.09	0.00	0.00	0.85	2.27	1.36	0.32	0.00	0.09	0.00	0.00	1.29	3.06
10130	1.03	0.31	0.00	0.09	0.00	0.00	0.86	2.29	1.38	0.33	0.00	0.09	0.00	0.00	1.31	3.11
10140	0.21	0.06	0.00	0.00	0.00	0.00	0.17	0.44								
10145	0.21	0.06	0.00	0.00	0.00	0.00	0.18	0.45								
10150	0.23	0.07	0.00	0.00	0.00	0.00	0.19	0.49								
10155	0.28	0.08	0.00	0.00	0.00	0.00	0.23	0.59								
10160	0.30	0.09	0.00	0.00	0.00	0.00	0.25	0.64								
10165	0.29	0.09	0.00	0.00	0.00	0.00	0.24	0.62								
10175	0.24	0.07	0.00	0.09	0.00	0.00	0.20	0.60								
10180	0.28	0.09	0.00	0.09	0.00	0.00	0.24	0.70								
10185	0.78	0.24	0.00	0.09	0.00	0.00	0.65	1.76								
10190	0.88	0.27	0.00	0.09	0.00	0.00	0.73	1.97								
10200	2.76	0.84	0.00	0.13	0.00	0.00	2.30	6.03								
10205	2.80	0.85	0.00	0.13	0.00	0.00	2.33	6.11								
10210	2.83	0.86	0.00	0.13	0.00	0.00	2.35	6.17								
10215	2.87	0.87	0.00	0.13	0.00	0.00	2.39	6.26								
10225	1.23	0.37	0.00	0.00	0.00	0.00	1.02	2.62								
10230	1.30	0.39	0.00	0.00	0.00	0.00	1.08	2.77								
10235	1.38	0.42	0.00	0.00	0.00	0.00	1.15	2.95								
10250	2.09	0.77	0.00	0.09	0.56	0.08	1.42	5.01	2.61	0.79	0.00	0.09	0.68	0.10	2.07	6.34
10255	2.52	0.92	0.00	0.09	0.56	0.08	1.71	5.88	3.15	0.94	0.00	0.09	0.68	0.10	2.49	7.45
10260	2.54	0.93	0.00	0.09	0.56	0.08	1.72	5.92	3.18	0.95	0.00	0.09	0.68	0.10	2.51	7.51
10265	2.98	1.10	0.00	0.09	0.80	0.12	2.03	7.12	3.73	1.13	0.00	0.09	0.96	0.14	2.96	9.01
10270	3.62	1.30	0.00	0.09	0.68	0.10	2.45	8.24	4.53	1.34	0.00	0.09	0.82	0.12	3.57	10.47
10275	7.31	2.76	0.00	0.09	2.39	0.36	4.99	17.90	9.14	2.83	0.00	0.09	2.88	0.43	7.27	22.64
10280	8.03	3.06	0.00	0.09	2.81	0.42	5.49	19.90	10.04	3.14	0.00	0.09	3.39	0.51	8.00	25.17
10290	2.84	1.03	0.00	0.09	0.56	0.08	1.92	6.52	3.55	1.05	0.00	0.09	0.68	0.10	2.80	8.27

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	
10300	1.28	0.67	0.00	0.09	0.51	0.08	0.92	3.55								
10305	1.43	0.74	0.00	0.09	0.55	0.08	1.02	3.91								
10310	1.57	0.81	0.00	0.09	0.56	0.08	1.12	4.23								
10315	1.76	0.93	0.00	0.13	0.76	0.11	1.27	4.96								
10320	1.83	0.97	0.00	0.13	0.82	0.12	1.32	5.19								
10325	2.15	1.12	0.00	0.13	0.84	0.13	1.54	5.91								
10330	2.23	1.21	0.00	0.13	1.15	0.17	1.62	6.51								
10335	2.80	1.47	0.00	0.13	1.15	0.17	2.01	7.73								
10340	2.90	1.51	0.00	0.13	1.15	0.17	2.08	7.94								
10345	3.40	1.74	0.00	0.17	1.12	0.17	2.42	9.02								
10350	3.60	1.87	0.00	0.17	1.37	0.21	2.58	9.80								
10355	4.03	2.09	0.00	0.17	1.53	0.23	2.88	10.93								
10360	4.52	2.43	0.00	0.17	2.18	0.33	3.28	12.91								
10365	1.05	0.57	0.00	0.09	0.56	0.08	0.77	3.12								
10375	0.98	0.54	0.00	0.09	0.56	0.08	0.72	2.97								
10385	1.26	0.67	0.00	0.11	0.56	0.08	0.91	3.59								
10390	1.27	0.67	0.00	0.11	0.56	0.08	0.92	3.61								
10400	0.64	0.36	0.00	0.10	0.38	0.06	0.47	2.01								
10405	0.72	0.41	0.00	0.10	0.47	0.07	0.53	2.30								
10410	0.79	0.44	0.00	0.10	0.51	0.08	0.58	2.50								
10420	2.07	0.94	1.39	0.39	0.20	0.03	1.24	6.26								
10425	2.10	1.00	1.39	0.39	0.41	0.06	1.27	6.62								
10430	2.21	1.04	1.39	0.39	0.41	0.06	1.33	6.83								
10445	19.30	8.11	6.26	2.13	5.70	0.85	13.23	55.58	23.16	8.26	8.09	2.75	9.50	1.42	18.53	71.71
10450	26.68	11.37	9.05	3.08	9.81	1.47	18.34	79.80	32.01	11.58	11.69	3.97	16.35	2.45	25.67	103.72
10455	37.19	16.23	12.11	4.12	13.11	1.97	25.67	110.40	44.63	16.53	15.64	5.32	21.86	3.28	35.93	143.19
10460	16.94	7.18	6.26	2.13	5.70	0.85	11.63	50.69	20.33	7.31	8.09	2.75	9.50	1.42	16.28	65.68
10465	24.45	10.69	9.05	3.08	12.37	1.86	16.88	78.38	29.34	10.89	11.69	3.97	20.62	3.09	23.63	103.23
10470	31.58	14.27	12.11	4.12	15.51	2.33	21.93	101.85	37.90	14.54	15.64	5.32	25.85	3.88	30.70	133.83
10480	13.23	5.67	3.62	1.23	4.64	0.70	9.10	38.19	15.88	5.77	4.67	1.59	7.62	1.14	12.74	49.41
10485	17.20	7.24	3.62	1.23	4.64	0.70	11.80	46.43	20.64	7.38	4.67	1.59	7.62	1.14	16.52	59.56
10490	16.32	7.10	3.62	1.23	6.29	0.94	11.26	46.76	19.58	7.23	4.67	1.59	10.12	1.52	15.76	60.47
10495	19.73	8.45	5.36	1.82	6.29	0.94	13.58	56.17	23.68	8.61	6.92	2.35	10.12	1.52	19.01	72.21
10500	22.76	9.67	6.40	2.18	7.12	1.07	15.64	64.84	27.32	9.85	8.27	2.81	11.69	1.75	21.89	83.58
10505	26.64	11.53	6.40	2.18	9.66	1.45	18.36	76.22	31.97	11.74	8.27	2.81	15.53	2.33	25.70	98.35
10515	12.85	5.42	2.98	1.01	2.87	0.43	8.82	34.38	15.42	5.52	3.85	1.31	4.79	0.72	12.34	43.95
10520	20.58	8.62	6.26	2.13	5.70	0.85	14.10	58.24	24.69	8.78	8.09	2.75	9.50	1.42	19.75	74.98
10525	26.66	11.37	8.46	2.88	9.81	1.47	18.33	78.98	31.99	11.58	10.93	3.72	16.35	2.45	25.66	102.68
10530	34.92	15.17	8.99	3.06	11.76	1.76	24.08	99.74	41.90	15.46	11.62	3.95	19.60	2.94	33.71	129.18
10535	35.66	15.62	10.51	3.57	13.11	1.97	24.62	105.06	42.79	15.91	13.57	4.62	21.86	3.28	34.47	136.50
10545	11.51	4.82	2.99	1.02	3.13	0.47	7.89	31.83	13.81	4.91	3.87	1.31	5.22	0.78	11.04	40.94
10550	16.69	7.02	4.47	1.52	4.91	0.74	11.45	46.80	20.03	7.15	5.77	1.96	8.19	1.23	16.03	60.36
10555	19.97	8.67	6.86	2.33	9.34	1.40	13.77	62.34	23.96	8.83	8.86	3.01	15.57	2.33	19.28	81.84
10560	26.98	11.70	8.69	2.95	12.37	1.86	18.60	83.15	32.37	11.91	11.22	3.81	20.62	3.09	26.04	109.06
10565	39.73	17.23	11.69	3.98	13.11	1.97	27.39	115.10	47.67	17.56	15.10	5.14	21.86	3.28	38.34	148.95
10570	58.15	25.21	15.20	5.17	19.03	2.86	40.08	165.70	69.78	25.68	19.63	6.68	31.73	4.76	56.12	214.38
10580	20.42	8.56	5.85	1.99	5.70	0.85	14.00	57.37	24.50	8.72	7.55	2.57	9.50	1.42	19.59	73.85
10585	23.80	12.22	8.02	2.73	9.81	1.47	19.78	82.83	34.56	12.44	10.36	3.52	16.35	2.45	27.69	107.37
10590	30.57	13.12	8.94	3.04	12.37	1.86	21.04	90.94	36.68	13.36	11.54	3.92	20.62	3.09	29.45	118.66
10595	34.41	14.88	9.45	3.21	10.94	1.64	23.71	98.24	41.29	15.16	12.21	4.15	18.24	2.74	33.19	126.98
10600	38.17	16.62	11.39	3.87	13.11	1.97	26.33	111.46	45.80	16.93	14.71	5.00	21.86	3.28	36.86	144.44
10605	45.52	20.20	14.62	4.97	19.03	2.86	31.51	138.71	54.63	20.58	18.88	6.42	31.73	4.76	44.11	181.11
10620	8.51	3.98	3.31	1.06	1.75	0.26	6.26	25.13	10.21	4.05	4.35	1.39	2.35	0.35	8.13	30.83
10625	14.57	7.01	7.27	2.33	4.42	0.66	10.78	47.04	17.48	7.13	9.57	3.06	5.96	0.89	14.01	58.10
10630	20.19	9.77	9.92	3.17	6.58	0.99	14.96	65.58	24.22	9.94	13.05	4.18	8.86	1.33	19.44	81.02

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		
10635	20.74	10.02	9.92	3.17	6.58	0.99	15.36	66.78	24.89	10.19	13.05	4.18	8.86	1.33	19.96	82.46
10640	24.93	12.07	12.12	3.88	8.09	1.21	18.47	80.77	29.92	12.27	15.95	5.10	10.89	1.63	24.01	99.77
10645	25.32	12.24	12.12	3.88	8.09	1.21	18.76	81.62	30.39	12.45	15.95	5.10	10.89	1.63	24.38	100.79
10655	14.59	7.02	7.27	2.33	4.42	0.66	10.79	47.08	17.51	7.14	9.57	3.06	5.96	0.89	14.03	58.16
10660	19.94	9.67	9.92	3.17	6.58	0.99	14.78	65.05	23.93	9.83	13.05	4.18	8.86	1.33	19.21	80.39
10665	20.23	9.79	9.92	3.17	6.58	0.99	14.99	65.67	24.28	9.96	13.05	4.18	8.86	1.33	19.49	81.15
10670	25.96	12.52	12.12	3.88	8.09	1.21	19.22	83.00	31.15	12.73	15.95	5.10	10.89	1.63	24.98	102.43
10675	26.38	12.70	12.12	3.88	8.09	1.21	19.52	83.90	31.65	12.91	15.95	5.10	10.89	1.63	25.38	103.51
10690	17.09	7.37	7.27	2.33	6.12	0.92	11.77	52.87	20.51	7.50	9.57	3.06	10.22	1.53	16.48	68.87
10695	24.89	10.90	9.92	3.17	9.86	1.48	17.19	77.41	29.87	11.10	13.05	4.18	15.96	2.39	24.06	100.61
10700	39.27	17.36	14.33	4.58	17.93	2.69	27.16	123.32	47.12	17.69	18.85	6.03	29.39	4.41	38.02	161.51
10710	16.11	6.98	6.11	1.95	5.99	0.90	11.10	49.14	19.33	7.11	8.03	2.57	9.91	1.49	15.55	63.99
10715	27.21	11.79	10.05	3.22	7.63	1.15	18.75	79.80	32.65	12.01	13.22	4.23	12.62	1.89	26.25	102.87
10730	17.79	7.64	7.27	2.33	6.12	0.92	12.25	54.32	21.35	7.79	9.57	3.06	10.22	1.53	17.14	70.66
10735	25.73	10.99	9.92	3.17	8.21	1.23	17.69	76.94	30.88	11.19	13.05	4.18	13.75	2.06	24.77	99.88
10750	0.35	0.09	0.89	0.21	0.04	0.01	0.47	2.06								
10755	0.54	0.14	1.45	0.35	0.04	0.01	0.72	3.25								
10760	0.59	0.15	0.48	0.14	0.04	0.01	0.78	2.19								
10765	0.66	0.16	0.72	0.22	0.04	0.01	0.87	2.68								
10775	4.56	1.09	2.96	0.83	0.04	0.01	5.98	15.47								
10780	6.93	1.65	5.20	1.46	0.04	0.01	9.07	24.36								
10795	1.07	0.46	0.00	0.01	0.00	0.00	0.63	2.17								
10800	1.24	0.54	0.00	0.01	0.00	0.00	0.74	2.53								
10805	1.44	0.63	0.00	0.01	0.00	0.00	0.86	2.94								
10815	1.84	0.84	0.44	0.12	0.20	0.03	1.11	4.58								
10820	2.10	0.95	0.44	0.12	0.20	0.03	1.26	5.10								
10825	2.34	1.06	0.44	0.12	0.20	0.03	1.40	5.59								
10840	0.23	0.08	0.96	0.29	0.00	0.00	0.12	1.68								
10845	0.28	0.09	1.20	0.36	0.00	0.00	0.14	2.07								
10855	0.41	0.16	2.62	0.63	0.02	0.00	0.40	4.24								
10860	0.44	0.17	2.62	0.63	0.02	0.00	0.42	4.30								
10865	0.47	0.18	4.37	1.05	0.02	0.00	0.46	6.55								
10870	0.61	0.23	4.64	1.11	0.02	0.00	0.59	7.20								
10880	0.57	0.22	0.74	0.18	0.02	0.00	0.55	2.28								
10885	0.61	0.23	1.04	0.25	0.02	0.00	0.59	2.74								
10890	0.67	0.26	1.04	0.25	0.05	0.01	0.65	2.93								
10895	0.73	0.28	1.74	0.42	0.05	0.01	0.71	3.94								
10905	0.23	0.08	0.48	0.14	0.00	0.00	0.12	1.05								
10910	0.24	0.08	0.96	0.29	0.00	0.00	0.12	1.69								
10920	0.11	0.04	0.91	0.27	0.00	0.00	0.05	1.38								
10925	0.14	0.05	1.15	0.35	0.00	0.00	0.07	1.76								
10930	0.37	0.12	1.44	0.43	0.00	0.00	0.19	2.55								
10935	0.65	0.22	2.02	0.60	0.00	0.00	0.33	3.82								
10945	0.05	0.02	0.91	0.27	0.00	0.00	0.02	1.27								
10950	0.16	0.05	1.15	0.35	0.00	0.00	0.08	1.79								

## APPENDIX A

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APPENDIX B

AREA FACTORS

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

Sales or Import Tax Rate:	5.00 %
Working Hours Per Year:	1,700 Hrs/Yr
Labor Adjustment Factor (LAF):	0.900
Electricity Cost Per Kilowatt-Hour:	\$ 0.080 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 0.830 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 0.580 /Gal.
Diesel Cost Per Gallon (On-Road Use):	\$ 0.850 /Gal.
Freight Rates:	
over     0     thru     30,000 lbs.	\$ 9.000 /Cwt.
over     30,000     thru     40,000 lbs.	\$ 8.200 /Cwt.
over     40,000     thru     50,000 lbs.	\$ 5.900 /Cwt.
over     50,000     thru     60,000 lbs.	\$ 4.850 /Cwt.
over     60,000     thru     100,000 lbs.	\$ 4.550 /Cwt.
over     100,000     thru 9999,900 lbs.	\$ 4.150 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

<u>EQUIPMENT TYPE</u>	<u>AVERAGE</u>	<u>SEVERE</u>
Cranes, Crawler Truck	Lift less than rated capacity, intermittent duty.	Continuous lift near rated capacity, excessive swing, abrasive materials, sloped surfaces.
Depreciation Period	10,000 - 15,000 Hrs.	8,000 - 14,000 Hrs.
Shovels	Gravels, silts, well broken rock, lift less than rated capacity.	Extremely abrasive tough materials, lifting near rated capacity, impact breakout.
Depreciation Period	6,000 - 14,000 Hrs.	5,000 - 12,000 Hrs.
Draglines	Gravels, silts, pull and lift less than rated capacity.	Highly abrasive materials, impact breakout, continuous load near rated capacity.
Depreciation Period	9,000 - 15,000 Hrs.	8,000 - 14,000 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	6,000 - 11,000 Hrs.	5,000 - 9,000 Hrs.

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

<u>EQUIPMENT TYPE</u>	<u>AVERAGE</u>	<u>SEVERE</u>
Tractors, Crawler Type	Production dozing in clays, sands, gravels and talus rock. 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	8,000 - 9,000 Hrs.	6,000 - 8,000 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	8,000 Hrs.	6,000 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	8,000 Hrs.	6,000 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	9,000 Hrs.	8,000 Hrs.
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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

<u>EQUIPMENT TYPE</u>	<u>AVERAGE</u>	<u>SEVERE</u>
Trucks, Highway	Varying loading and road conditions. Typical construction use on a variety of jobs.	Consistently poor road conditions. Oversized loading equipment.
Depreciation Period	5,000 - 6,000 Hrs.	4,000 - 5,000 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	8,000 - 9,000 Hrs.	6,000 - 8,000 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	8,000 Hrs.	6,000 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	9,000 Hrs.	8,000 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 .650	.066	.038		0 .000	.000	.000		45	32	28	0	0	90	70
45	AIR TOOLS, SANDBLASTERS, ETC	A	4	20	65 .650	.066	.038		0 .000	.000	.000		45	32	28	81	65	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	20	65 .000	.066	.038		0 .000	.000	.000		0	24	28	81	65	90	80
80	BRUSH CHIPPERS	A	10	20	45 .000	.046	.027		0 .000	.000	.000		0	32	28	0	0	90	90
90	BUCKETS, CLAMSHELL & DRAGLINE	A	10	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
90		S	8	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
95	BUCKETS, CONCRETE	A	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
105	CONCRETE OR GROUT PUMP	A	8	15	95 .000	.097	.056		0 .000	.000	.000		45	32	28	81	65	90	90
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	A	8	20	65 .650	.066	.038		0 .000	.000	.000		45	32	28	0	0	90	80
125	CONCRETE FINISHERS, BLASTERS & BUGGIES	A	6	20	70 .700	.071	.041		0 .000	.000	.000		50	32	28	0	0	90	80
130	CONCRETE SAWS	A	8	20	90 .900	.091	.053		0 .000	.000	.000		45	32	38	0	0	90	90
135	CONCRETE VIBRATORS	A	4	20	65 .650	.066	.038		0 .000	.000	.000		45	32	38	0	0	0	250
140	COMPACTORS, MANUALLY OPERATED	A	6	20	90 .900	.091	.053		0 .000	.000	.000		45	24	24	0	0	85	120
	CRANE, CRAWLER TYPE																		
150	0 THRU 25 TON	A	13	15	40 .000	.041	.024		0 .000	.000	.000		0	32	32	0	0	0	55
150		S	11	15	52 .000	.053	.031		0 .000	.000	.000		0	32	32	0	0	0	60
165	OVER 25 TON THRU 50 TON	A	15	15	40 .000	.041	.024		0 .000	.000	.000		0	20	20	0	0	0	65
165		S	13	15	52 .000	.053	.031		0 .000	.000	.000		0	20	20	0	0	0	70
170	OVER 50 TON THRU 150 TON	A	18	15	40 .000	.041	.024		0 .000	.000	.000		0	22	22	0	0	0	75
170		S	16	15	52 .000	.053	.031		0 .000	.000	.000		0	22	22	0	0	0	80
180	OVER 150 TON	A	20	15	40 .000	.041	.024		0 .000	.000	.000		0	24	24	0	0	0	85
180		S	18	15	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	15	50 .000	.051	.030		0 .000	.000	.000		0	32	32	0	0	0	70
185		S	10	15	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	15	50 .000	.051	.030		0 .000	.000	.000		0	20	20	0	0	0	80
190		S	13	15	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	15	50 .000	.051	.030		0 .000	.000	.000		0	22	22	0	0	0	90

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	
195		S	16	15	65 .000	.066	.038		0 .000	.000	.000		0	22	22	0	0	0	100
196	OVER 5 CY	A	20	15	50 .000	.051	.030		0 .000	.000	.000		0	24	24	0	0	0	100
196		S	18	15	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	20	65 .650	.066	.038		10 .100	.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	15	65 .000	.066	.038		10 .000	.010	.006		0	30	26	97	78	0	80
240		S	20	15	85 .000	.086	.050		13 .000	.013	.007		0	30	26	86	61	0	85
255	DRILL, AUGER	A	10	20	50 .500	.051	.030		0 .000	.000	.000		45	32	28	67	57	0	90
270	DRILL, BLAST HOLE	A	10	20	80 .800	.081	.047		0 .000	.000	.000		45	32	28	62	44	0	90
300	DRILL, CORE	A	10	20	80 .800	.081	.047		0 .000	.000	.000		45	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		10 .000	.010	.006		0	32	32	62	44	0	90
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	A	20	20	70 .700	.000	.000		10 .900	.000	.000		50	0	0	0	0	0	45
375	FORK LIFTS	A	10	20	65 .650	.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)																		
438	LAWN MOWERS	A	4	15	80 .800	.081	.047		0 .000	.000	.000		45	24	24	81	65	90	60
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	20	65 .650	.066	.038		0 .000	.000	.000		45	28	28	26	0	99	90
450		S	8	20	85 .850	.086	.050		0 .000	.000	.000		45	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

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	
	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						
470	OVER 225 HP	A	12	15	65 .000 .066 .038	0 .000 .000 .000	0	32	30	70	42	0	70						
470		S	10	15	85 .000 .086 .050	0 .000 .000 .000	0	32	30	41	22	0	75						
475	LOADER, FRONT END WITH BACKHOE, WHEEL TYPE	A	10	25	65 .000 .066 .038	0 .000 .000 .000	0	32	32	72	50	0	80						
475		S	8	25	85 .000 .086 .050	0 .000 .000 .000	0	32	32	57	35	0	85						
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	A	6	35	65 .000 .066 .038	0 .000 .000 .000	0	32	32	0	0	0	90						
485	PIPELAYERS	A	12	25	35 .000 .000 .021	0 .000 .000 .000	0	0	40	0	0	0	75						
485		S	10	25	45 .000 .000 .027	0 .000 .000 .000	0	0	40	0	0	0	85						
	PUMP, GROUT (SEE KEY NO. 105)																		
495	PUMP, WATER, ENGINE DRIVE	A	10	25	90 .000 .091 .053	0 .000 .000 .000	0	32	38	0	0	0	80						
500	PUMP, WATER, ELECTRIC DRIVE	A	10	25	90 .900 .000 .000	0 .000 .000 .000	45	0	0	0	0	0	40						
510	RIPPERS	A	8	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	0	80						
510		S	6	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	0	0	0	90						
525	ROLLERS, EXCEPT VIB. ROLLERS	A	10	20	65 .000 .066 .038	65 .000 .066 .038	0	24	24	76	60	84	80						
530	ROLLERS, VIBRATORY	A	8	20	90 .000 .091 .053	90 .000 .091 .053	0	32	32	76	60	84	100						
535	ROOFING EQUIPMENT	A	6	15	60 .600 .061 .035	0 .000 .000 .000	45	24	24	0	0	90	80						
540	SCRAPERS, STANDARD	A	10	15	60 .000 .000 .035	60 .000 .000 .035	0	0	32	59	33	65	60						
540		S	8	15	78 .000 .000 .046	78 .000 .000 .046	0	0	32	39	19	43	65						
542	SCRAPERS, TANDEM POWERED	A	10	15	62 .000 .000 .037	62 .000 .000 .037	0	0	26	59	33	65	65						
542		S	8	15	81 .000 .000 .048	81 .000 .000 .048	0	0	26	39	19	43	70						
	SCRAPERS, ELEVATING																		
545	0 THRU 200 HP	A	10	20	66 .000 .000 .039	66 .000 .000 .039	0	0	40	59	33	65	75						
545		S	8	20	86 .000 .000 .051	86 .000 .000 .051	0	0	40	39	19	43	80						
550	OVER 200 HP	A	10	15	66 .000 .000 .039	66 .000 .000 .039	0	0	32	59	33	65	65						
550		S	8	15	86 .000 .000 .051	86 .000 .000 .051	0	0	32	39	19	43	70						
555	SCRAPERS, TRACTOR DRAWN	A	12	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	65	0	72	70						
555		S	10	20	0 .000 .000 .000	0 .000 .000 .000	0	0	0	50	0	55	75						
560	SOIL STABILIZERS	A	10	20	66 .000 .000 .039	66 .000 .000 .039	0	0	28	59	33	65	75						
560		S	8	20	86 .000 .000 .051	86 .000 .000 .051	0	0	28	39	19	43	85						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED																		
570	0 THRU 1 CY	A	8	25	60 .000 .061 .035	0 .000 .000 .000	0	38	38	0	0	0	70						
570		S	6	25	78 .000 .079 .046	0 .000 .000 .000	0	38	38	0	0	0	80						

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	
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
600	OVER 5 CY	A	14	15	60 .000	.061	.035		0 .000	.000	.000		0	24	24	0	0	0	110
600		S	12	15	78 .000	.079	.046		0 .000	.000	.000		0	24	24	0	0	0	120
601	OVER 2-1/2 CY ELECTRIC	A	18	20	50 .500	.000	.000		0 .000	.000	.000		25	0	0	0	0	0	70
601		S	16	20	65 .650	.000	.000		0 .000	.000	.000		25	0	0	0	0	0	80
	TRACTOR, CRAWLER TYPE																		
615	0 THRU 225 HP	A	10	25	70 .000	.000	.041		0 .000	.000	.000		0	0	36	0	0	0	110
615		S	8	25	91 .000	.000	.054		0 .000	.000	.000		0	0	36	0	0	0	120
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	A	10	20	70 .000	.000	.041		0 .000	.000	.000		0	0	28	0	0	0	90
620		S	8	20	91 .000	.000	.054		0 .000	.000	.000		0	0	28	0	0	0	100
625	OVER 425 HP	A	12	15	70 .000	.000	.041		0 .000	.000	.000		0	0	24	0	0	0	90
625		S	10	15	91 .000	.000	.054		0 .000	.000	.000		0	0	24	0	0	0	100
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	A	10	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
630		S	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	90
645	TRACTOR, WHEEL TYPE	A	10	15	65 .000	.066	.038		0 .000	.000	.000		0	24	28	73	44	0	60
645		S	8	15	85 .000	.086	.050		0 .000	.000	.000		0	24	28	38	21	0	65
650	TRENCHER	A	10	20	65 .000	.066	.038		0 .000	.000	.000		0	28	28	91	68	0	90
650		S	8	20	85 .000	.086	.050		0 .000	.000	.000		0	28	28	77	48	0	100
655	TRAILERS, BOTTOM DUMP AND END DUMP	A	10	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	65	60
655		S	8	15	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	54	70
660	TRAILERS, FLATBED, LO-BOY AND TILT	A	10	30	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	65	50
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING																		
670	DUMP BODIES	A	8	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	70
670		S	6	20	0 .000	.000	.000		0 .000	.000	.000		0	0	0	0	0	0	80
675	ALL OTHER ACCESSORIES	A	8	20	65 .650	.066	.000		0 .000	.000	.000		45	32	32	0	0	0	70
	TRUCK, HIGHWAY																		
690	0 THRU 10,000 GW	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 GW	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 GW	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

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	
720	TRUCK, OFF-HIGHWAY	A	12	15	40 .000	.000	.024		0 .000	.000	.000		0	0	34	59	36	65	60
720		S	10	15	52 .000	.000	.031		0 .000	.000	.000		0	0	34	39	21	43	70
765	WAGON, BOTTOM & REAR DUMP	A	12	15	65 .000	.066	.038		0 .000	.000	.000		0	24	32	59	39	65	60
765		S	10	15	85 .000	.086	.050		0 .000	.000	.000		0	24	32	39	22	43	70
780	WAGON, WATER	A	12	20	65 .000	.066	.038		0 .000	.000	.000		0	24	32	73	55	81	60
780		S	10	20	85 .000	.086	.050		0 .000	.000	.000		0	24	32	56	40	62	65
785	WATER BLASTER	A	6	20	95 .600	.097	.056		0 .000	.000	.000		30	24	28	0	0	90	110
795	WATER TANKS	A	12	20	65 .000	.066	.038		0 .000	.000	.000		0	24	28	77	73	90	50
810	WELDERS	A	8	30	80 .000	.081	.047		0 .000	.000	.000		0	24	24	0	0	90	70
811	WELDERS ELECTRIC POWER	A	8	25	60 .600	.000	.000		0 .000	.000	.000		30	0	0	0	0	90	40

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

1967 = 1000

CATEGORY	YEAR PURCHASE NEW												1980	1979	1978	1977	1976			
					AGE IN YEARS				7	8	9	10	11	12						
	1988	1987	1986	1985	1984	1983	1982	1981												
Air Equipment	1781	1729	1720	1733	1683	1695	1668	1563	1630	1521	1354	1295	1186							
Asphalt & Concrete Paving Equipment	2785	2730	2687	2687	2611	2583	2620	2461	2296	2111	1941	1815	1686							
Buckets	4862	4767	4713	4640	4527	4471	4541	4313	3879	3280	2963	2738	2520							
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3678	3595	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010							
Drills	2848	2792	2786	2832	2803	2836	2810	2602	2265	1993	1858	1699	1638							
Generators	3732	3575	3514	3510	3400	3314	3236	3160	2817	2390	2301	2128	2053							
Graders, Motor	4068	3915	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109							
Loaders, Track	4178	3919	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053							
Loaders, Wheel	4308	4099	3991	3973	3944	3873	3788	3441	2938	2606	2375	2156	2002							
Pile Driving Equipment	3832	3746	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989							
Rollers	4371	4215	4151	4090	3926	3744	3431	3199	2913	2653	2396	2139	1983							
Scrapers and Soil Stabilizers	4068	3915	3759	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109							
Shovels, Backhoes & Hydraulic Excavators	3678	3595	3485	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010							
Tractors, Crawler & Attachments	4178	3919	3770	3767	3791	3792	3655	3349	3061	2750	2482	2247	2053							
Tractors, Wheel	3992	3861	3820	3818	3656	3557	3530	3256	2927	2578	2319	2125	1956							
Trenchers	4692	4600	4586	4488	4431	4360	4097	3618	3153	2772	2580	2300	1894							
Trucks, Highway	3365	3299	3282	3139	3055	2934	2824	2638	2324	2108	1934	1775	1646							
Trucks & Wagons - Off Highway	4064	3915	3840	3822	3786	3744	3662	3363	2964	2588	2364	2196	2081							
All Other Equipment	3832	3746	3668	3626	3570	3519	3439	3208	2894	2562	2329	2135	1989							
All Tires & Tubes	2393	2321	2340	2374	2421	2453	2552	2506	2369	2055	1792	1699	1615							
Marine Equipment	3958	3880	3863	3749	3633	3497	3391	3239	2922	2587	2352	2156	2008							

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

1967 = 1000

CATEGORY	1975	1974	1973	1972	1971	YEAR PURCHASE			1967	1966	1965	1964	1963
						1970	1969	1968					
AGE IN YEARS	18	19	20	21	22	23	24	25					
Air Equipment	1165	1028	935	920	929	936	918	970	1000	992	954	872	853
Asphalt & Concrete Paving Equipment	1610	1451	1304	1263	1235	1163	1091	1044	1000	963	931	905	872
Buckets	2175	1838	1430	1370	1316	1188	1062	1025	1000	1000	1003	978	971
Cranes, Draglines, & Clamshells - Crawler & Truck Mounted	1843	1522	1305	1260	1212	1147	1090	1049	1000	967	930	914	890
Drills	1559	1373	1249	1184	1160	1115	1052	1037	1000	993	971	914	904
Generators	1839	1456	1316	1293	1243	1188	1089	1029	1000	947	924	916	901
Graders, Motor	1956	1604	1361	1244	1208	1152	1101	1053	1000	975	951	923	903
Loaders, Track	1916	1573	1329	1219	1184	1135	1100	1079	1000	956	936	914	882
Loaders, Wheel	1907	1584	1362	1317	1261	1197	1144	N/A	N/A	N/A	N/A	N/A	N/A
Pile Driving Equipment	1852	1523	1307	1257	1218	1159	1104	N/A	N/A	N/A	N/A	N/A	N/A
Rollers	1872	1556	1328	1279	1230	1178	1082	1049	1000	962	936	908	903
Scrapers, and Soil Stabilizers	1956	1604	1361	1244	1208	1152	1101	1053	1000	975	951	923	903
Shovels, Backhoes & Hydraulic Excavators	1843	1522	1305	1260	1212	1147	1090	1049	1000	967	930	914	890
Tractors, Crawler & Attachments	1916	1573	1329	1219	1184	1135	1100	1079	1000	956	936	914	882
Tractor, Wheel	1843	1498	1288	1251	1211	1152	1109	1050	1000	962	927	902	875
Trenchers	1633	1527	1384	1316	1284	1207	1113	1051	1000	990	961	950	919
Truck, Highway	1524	1369	1230	1211	1185	1114	1062	1033	1000	980	975	965	967
Trucks & Wagons - Off Highway	1965	1568	1315	1293	1245	1190	1135	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment	1852	1523	1307	1257	1218	1159	1104	1057	1000	965	936	912	890
All Tires & Tubes	1485	1334	1114	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Marine Equipment	1870	1538	1320	1269	1230	1170	1115	1067	1000	974	945	921	899

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

1967 = 1000

CATEGORY	1962	1961	1960	1959	1958	<u>YEAR PURCHASE NEW</u>	
						AGE IN	YEARS
	26	27	28	29	30	31	
Air Equipment	843	846	781	775	743	706	
Asphalt & Concrete Paving Equipment	858	844	830	812	777	745	
Buckets	953	950	950	960	1020	1014	
Cranes, Draglines, & Clamshells - Crawler & Truck Mounted	868	862	859	841	817	795	
Drills	904	901	852	851	798	737	
Generators	892	932	1007	1007	987	936	
Graders, Motor	877	869	872	866	829	802	
Loaders, Track	861	857	840	817	786	748	
Loaders, Wheel	N/A	N/A	N/A	N/A	N/A	N/A	
Pile Driving Equipment	N/A	N/A	N/A	N/A	N/A	N/A	
Rollers	900	885	874	819	749	706	
Scrapers, and Soil Stabilizers	877	869	872	866	829	802	
Shovels, Backhoes & Hydraulic Excavators	868	862	859	841	817	795	
Tractors, Crawler & Attachments	861	857	840	817	786	748	
Tractor, Wheel	858	858	852	842	825	792	
Trenchers	915	902	888	859	833	825	
Truck, Highway	975	981	981	1006	986	945	
Trucks & Wagons - Off Highway	N/A	N/A	N/A	N/A	N/A	N/A	
All Other Equipment	875	873	859	841	812	782	
All Tires & Tubes	N/A	N/A	N/A	N/A	N/A	N/A	
Marine Equipment	883	881	867	849	820	790	

## 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	<u>Factor</u>	
		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/>			
<b><u>FINAL TIRE WEAR FACTORS</u></b>			
	Trailing (T-Tire)	0.65	0.43
	Front (F-Tire)	0.58	0.39
	Driver (D-Tire)		
	(Rear Dump)	0.39	0.22
	(Bottom Dump)	0.39	0.22
	(Self-Propelled Scrapers)	0.33	0.19

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

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TABLE F-1. Maximum Tire Life.

Bias Ply Tires:

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

Radial Ply Tires:

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

## APPENDIX G

### EQUIPMENT EXTRAS

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

(1) Crane, Crawler-Mounted.

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

(2) Dragline and Clamshell, Crawler-Mounted.

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

(3) Backhoe and Shovel, Crawler-Mounted.

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

(4) Truck Crane Less than 25 Ton.

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

(5) Truck Crane 25 Ton and Larger.

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

(6) Excavators, Hydraulic.

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

(7) Grader.

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

(8) Belt Loader.

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

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

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

(10) Scraper.

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

(11) Tractor, Crawler.

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

(12) Tractor, Wheel Dozer.

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

(13) Trucks, Off-Highway.

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

## APPENDIX H

### MARINE EQUIPMENT

1. 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 appendix, 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 ownership percentages and operating cost factors are shown in TABLE H-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. Equipment permanently attached to floating plant shall be considered marine equipment.

2. 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 acquisition price 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.

a. 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 for each year past the normal life and the depreciation shall be recomputed. The depreciable value is the acquisition cost, plus any capital improvements, less estimated salvage. Costs for dry-docking, 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.

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

$$CFC = \frac{[(N-1)(1+S) + 2]}{2N} (7.40\%)$$

where: N = Number of years in depreciation period

S = Salvage Value Factor

7.40% = Discounted cost of money in effect at the time the work was performed or current rate.

c. The salvage value factor is expressed as a decimal and is shown in TABLE H-1 for different items of equipment.

d. Taxes, storage (layup), and insurance are considered indirect (over-head) 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.

e. The expected life shown in TABLE H-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.

3. Annual Use. Marine equipment is normally operated on multi-shift basis and depending on the job, up to 7 days per week, with costs normally kept on a monthly basis. This is the preferred practice. 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 the actual time cannot be determined, the monthly cost should be divided by 500 hours (20 hours per day and 25 days per month). In determining the ownership expense for marine equipment as described in the schedule, the average use per year for Region VI shall be 8 months.

4. Operating Cost Factors. Marine equipment operating expense factors are shown in TABLE H-1. The use of these factors together with ownership expense allowances will provide the user with information to help generate a rate for a piece of marine equipment. The hourly operating expense factors provided herein are estimated; it is intended that these factors be used only if the estimator does not have factual data available.

a. Fuel consumption factors are prepared on the same basis as paragraph 2-2.d.(2). Prime power refers to the primary operating engine for the dredge, tug, or other piece of marine equipment. Secondary power refers to all other secondary engines or power plants. However, if more than one of these engines is present, the horsepower should be totaled. Fuel factors are given for each piece of equipment; however, engines may not be present on many barges and scows.

b. Water, lube, and supplies (WLS) is similar to the FOG factor described in paragraph 2-2.d.(3). This item is computed as either a percentage of the hourly fuel costs or, if the marine equipment has no engine, a reasonable hourly cost should be included. This factor includes an allowance for the oiler normally assigned to the dredge or other piece of marine equipment.

c. Repairs (RPR) includes an allowance for all major and minor repairs and is similar to the maintenance and repair cost factor described in paragraph 2-2.d.(4). Also required to develop this cost are the Economic Adjustment Factor (EAF) and the Labor Adjustment Factor (LAF). It should also be noted that the repair allowance does not include the following items:

(1) Dredge wear for such items as cutter teeth and main suction pumps are not included due to the wide variety of materials being dredged.

(2) Dry-docking costs are not included because they vary greatly depending on the facilities available.

d. In addition to the dredge wear and dry-docking items which are not included in the operating factors, there is also no allowance for mobilization, demobilization, or yard costs. These items must all be considered separately by the estimator.

5. Standby. The standby rate is computed by allowing the full CFC monthly rate plus one-half 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.

6. Example. The following example shown in Figure H-1 will provide guidance to illustrate the use of TABLE H-1 and the regional data to generate a rate. Ownership is determined using the annual percentages to account for CFC and depreciation. Operating costs are determined by utilizing formulas from Chapter 2 for FUEL, WLS (FOG) and REPAIRS. Assume a 24" hydraulic dredge was purchased new in 1985 for \$3,700,000 including tax and delivery.

## APPENDIX H

TABLE H-1. ANNUAL OWNERSHIP EXPENSE FACTORS AND HOURLY OPERATING FACTORS FOR MARINE EQUIPMENT.

TYPE OF EQUIPMENT	PERCENT ANNUAL OWNERSHIP EXPENSE						HOURLY OPERATING EXPENSE FACTORS					
	SALVAGE		DEPRE-		ANNUAL EXPENSE	PRIME POWER	SECONDARY POWER		HLS %		RPR %	
	LIFE (YRS)	VALUE FACTOR	CFC	CIATION			HP %	G	D	G	D	
Hydraulic Dredge, including hydraulic dredges used as												
Booster Pump (on land):												
10-inch thru 14-inch	20	0.05	4.75	4.06	8.81	80	0.000	0.047	70	0.000	0.041	0 33 80
16-inch thru 22-inch	25	0.10	3.60	4.20	7.80	80	0.000	0.047	70	0.000	0.041	0 33 90
24-inch and over	30	0.10	3.00	4.18	7.18	80	0.000	0.047	70	0.000	0.041	0 33 100
Dredge: Pipeline/Booster Pump (on water)												
10-inch thru 14-inch	20	0.05	4.75	4.06	8.81	80	0.000	0.047	70	0.000	0.041	0 33 90
16-inch thru 22-inch	25	0.10	3.60	4.20	7.80	80	0.000	0.047	70	0.000	0.041	0 33 110
24-inch and over	30	0.10	3.00	4.18	7.18	80	0.000	0.047	70	0.000	0.041	0 33 120
Dredge: Clamshell/ Dragline (Bucket)	20	0.05	4.75	4.06	8.81	65	0.000	0.041	65	0.000	0.041	0 33 120
Dredge: Dipper/Hyd Excav	25	0.05	3.80	4.03	7.83	65	0.000	0.041	65	0.000	0.041	0 33 130
Dredge: Bucket Ladder	30	0.10	3.00	4.18	7.18	80	0.000	0.047	70	0.000	0.041	0 33 110
Dump Scow	20	0.05	4.75	4.06	8.81	80	0.000	0.047	70	0.000	0.041	0 33 80
Barges:												
Fuel	20	0.05	4.75	4.06	8.81	20	0.000	0.012	20	0.000	0.012	0 33 60
Water	20	0.05	4.75	4.06	8.81	20	0.000	0.012	20	0.000	0.012	0 33 60
Equipment Or Work	20	0.05	4.75	4.06	8.81	20	0.000	0.012	20	0.000	0.012	0 33 60
Derrick	20	0.10	4.50	4.24	8.74	20	0.000	0.012	20	0.000	0.012	0 33 70
Anchor	20	0.05	4.75	4.06	8.81	20	0.000	0.012	20	0.000	0.012	0 33 60
Drill Boat Or Barge	20	0.10	4.50	4.24	8.74	20	0.000	0.012	20	0.000	0.012	0 33 70
Mooring Barge	20	0.05	4.75	4.06	8.81	20	0.000	0.012	20	0.000	0.012	0 33 60
Tugs & Tenders	20	0.10	4.50	4.24	8.74	80	0.081	0.047	70	0.071	0.041	30 36 90
Launches & Skiffs	12	0.05	7.92	4.18	12.09	60	0.061	0.035	50	0.051	0.030	30 36 80
Crewboat & Workboat	10	0.05	9.50	4.24	13.74	60	0.061	0.035	50	0.051	0.030	30 36 80
Shore Pipeline (Average)	3	0.00	33.33	4.93	38.27	0	0.000	0.000	0	0.000	0.000	0 0 50
Floating Line:												
Pontoon	10	0.00	10.00	4.07	14.07	0	0.000	0.000	0	0.000	0.000	0 0 60
Pipeline/Joints (Avg)	5	0.00	20.00	4.44	24.44	0	0.000	0.000	0	0.000	0.000	0 0 60

MARINE EQUIPMENT EXAMPLE

1. PERTINENT DATA

a. Equipment Description.....> 24" Hydraulic Cutter Suction Dredge

b. Model & Series.....> Ellicott Series 4900 Super Dragon

c. Present Year.....> 1988

(1) Economic Index. (APP.E).....> 3958

d. Year Manufactured.....> 1985

(1) Economic Index. (APP.E).....> 3749

e. Equipment Cost

(1) Acquisition Price.....> \$3,700,000

(2) Capital Improvements.....>

f. Prime Engine Horsepower.....> 3,730 h.p.

g. Secondary Engine(s) Horsepower.

(1) Electrical Generators - 200 h.p.

(2) Hydraulic System - 1325 h.p.

(3) Cutter Head Drive - 750 h.p.

(4) Hydraulic Water Jet - 200 h.p.

Total Secondary H.P. 2,475 h.p.

h. Fuel Type.....> Diesel

(1) Cost/Gal. (APP.B).....> \$0.58 /gal

2. TABLE H-1 DATA:

a. Life (yrs).....> 30 yrs

(1) Annual Use-Months..(para 3) ...> 8 mos

(2) Monthly Usage (estimated hrs) ..> 500 hrs

b. Salvage Value Factor.....> 0.10

c. Prime Engine Fuel Factor.....> 0.047

d. Secondary Engine Fuel Factor.....> 0.041

e. WLS Factor. (Water,Lube & Supplies) ..> 0.33

Figure H-1

## 2. TABLE H-1 DATA: (Cont'd)

f. IAF (Labor Adjustment Factor APP B) &gt; 0.90

g. Repair Cost Factor.....&gt; 1.20

## h. Annual Ownership Expense Percent:

(1) Depreciation Percent.....&gt; 3.00%

(2) CFC Percent.....&gt; 4.18%

Total Hourly Ownership Percent..(3.00% + 4.18%) = 7.18%

## 3. OWNERSHIP COSTS

## a. Equipment Cost = (Acquisition Price + Capital Improvements)

$$(\$3700000 + \$0) = \$3,700,000$$

## b. Annual Ownership Cost = (Equipment Cost x Annual Ownership Percent)

(1) Annual Ownership Expense:  
(\$3700000 x 7.18%) = \$265,660(2) Monthly Ownership Expense:  
(\$265660 / 8 mo.) = \$33,208(3) Hourly Ownership Expense:  
(\$33208 / 500 hrs.) = \$66.42

## c. Standby Allowance:

$$= [((.50 \times \text{Depr. \%}) + \text{CFC}) \times \text{Equipment Cost}] + \text{Generator Allowance}^*$$

\* NOTE: (If Applicable) -Generator Allowance (see Appendix H para 5)  
 $= ((\text{Generator H.P.} / \text{Total Secondary H.P.}) \times \text{Secondary Fuel Cost})$

(1) Annual Standby Expense:  
[((.50 x 3.00%) + 4.18%) x \$3700000] = \$210,160

(2) Monthly Standby Expense: (\$210160/8mo.) = \$26,270

(3) Hourly Standby Expense: (\$26270/500hrs) = \$52.54

\* (If Applicable) Generator Allowance:  
 $((200 \text{ h.p.} / 2475 \text{ h.p.}) \times \$58.86) = + \$4.76$

Total Hourly Standby Allowance = \$57.30

Figure H-1 (Continued)

4. ESTIMATED HOURLY OPERATING COST:

a. Fuel Cost = (Engine Fuel Factor x H.P. x Fuel Cost/Gal)

- (1) Prime Engine Fuel:  
 $(0.047 \times 3730 \text{ h.p.} \times \$0.58/\text{gal}) = \$101.68/\text{hr}$
- (2) Secondary Engine Fuel:  
 $(0.041 \times 2475 \text{ h.p.} \times \$0.58/\text{gal}) = \$58.86/\text{hr}$

b. WLS Cost = (WLS factor x Hourly Fuel Cost)

- (1) Prime Engine WLS:  $(0.33 \times \$101.68/\text{hr}) = \$33.55/\text{hr}$
- (2) Second Engine WLS:  $(0.33 \times \$58.86/\text{hr}) = \$19.42/\text{hr}$

c. Repair Cost = (Equip. Cost x Repair Cost Factor x EAF x IAF)/Life (hrs)

- (1) EAF = (Econ Index Present Yr / Econ Index Yr of Mfg).  
 $(3958 \text{ Pres. Yr} / 3749 \text{ Yr of Mfg}) = 1.056$
- (2) Life (hrs) =  $(30\text{yrs} \times 8\text{mo} \times 500\text{hrs}) = 120,000 \text{ hrs}$
- (3) Repair Cost:  
 $(\$3700000 \times 1.20 \times 1.056 \times 0.90) / 120000 \text{ hrs} = \$35.16/\text{hr}$

d. Subtotal Operating Cost = (Fuel + WLS + Repairs)

$$(\$101.68 + \$58.86 + \$33.55 + \$19.42 + \$35.16) = \$248.67/\text{hr}$$

5. Subtotal Hourly Ownership & Operating Cost.

$$(\$66.42/\text{hr} + \$248.67/\text{hr}) = \$315.09/\text{hr}$$

6. Subtotal Monthly Rate = (Hourly Total x Use Hours/Month)

$$(\$315.09/\text{hr} \times 500 \text{ hrs}) = \$157,545/\text{mo}$$

7. Additive Item(s) (monthly cost to be estimated)

- |   |              |
|---|--------------|
| (1) Dredge Wear (Mud, Sand or Gravel).....> | \$24,000 /mo |
| (2) Dry Docking.....>                       | \$15,000 /mo |
| (3) Yard cost.....>                         | \$12,000 /mo |
| (4) .....>                                  | /mo          |
| (5) .....>                                  | /mo          |

Subtotal Estimated Additive Items \$51,000 /mo

8. Total Monthly Rate.....\$208,545 /mo

Figure H-1 (Continued)

**APPENDIX I**  
**FEDERAL COST OF MONEY RATE**  
**(Renegotiation or Prompt Payment Rate)**

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July - December 1976.....	8 1/2	%
January - June 1977.....	7 3/4	%
July - December 1977.....	7 7/8	%
January - June 1978.....	8 1/4	%
July - December 1978.....	9	%
January - June 1979.....	9 7/8	%
July - December 1979.....	10 1/4	%
January - June 1980.....	12 1/4	%
July - December 1980.....	10 1/2	%
January - June 1981.....	14 5/8	%
July - December 1981.....	14 7/8	%
January - June 1982.....	14 3/4	%
July - December 1982.....	15 1/2	%
January - June 1983.....	11 1/4	%
July - December 1983.....	11 1/2	%
January - June 1984.....	12 3/8	%
July - December 1984.....	14 3/8	%
January - June 1985.....	12 1/8	%
July - December 1985.....	10 3/8	%
January - June 1986.....	9 3/4	%
July - December 1986.....	8 1/2	%
January - June 1987.....	7 5/8	%
July - December 1987.....	8 7/8	%
January - June 1988.....	9 3/8	%
July - December 1988.....	9 1/4	%

APPENDIX J

TIRE DESCRIPTION AND TIRE COST

J-1. The current tire descriptions and tire cost used to develop the rates in TABLE 3-1 are tabulated on the following pages. These tire prices include allowances for contractor's discount, sales tax, excise tax and tire tubes where applicable. This data is provided to give the user reasonable estimated values for the tires used in conjunction with rate development in this pamphlet. Belts for loaders are also included: sizes shown are width (in.) X length (ft.).

T i r e D e s c r i p t i o n

Cost (\$) per Ea	Size	Ply	Type of Tire
56	6.50 X 16.00	6	TT RIB HI-MILER
52	6.70 X 15.00	6	TT RIB HI-MILER
56	7.00 X 15.00	6	TT RIB HI-MILER
65	7.00 X 15.00	6	TL TRACKER LT BLACK
67	G78 X 15.00	6	TL TRACKER LT BLACK
70	H78 X 15.00	6	TL TRACKER LT BLACK
73	L78 X 15.00	6	TL TRACKER LT BLACK
73	8.75 X 16.50	6	TL TRACKER LT BLACK
87	8.75 X 16.50	10	TL TRACKER LT BLACK
89	9.50 X 16.50	8	TL TRACKER LT BLACK
74	7.00 X 15.00	8	TT SUPER HI-MILER
81	7.50 X 15.00	8	TT SUPER HI-MILER
98	7.50 X 16.00	10	TT SUPER HI-MILER
137	7.50 X 20.00	8	TT SUPER HI-MILER
190	8.25 X 20.00	10	TT SUPER HI-MILER
247	8.25 X 20.00	12	TT SUPER HI-MILER
218	9.00 X 20.00	10	TT SUPER HI-MILER
266	9.00 X 20.00	12	TT SUPER HI-MILER
274	10.00 X 20.00	12	TT SUPER HI-MILER
335	10.00 X 20.00	14	TT SUPER HI-MILER
304	10.00 X 22.00	12	TT SUPER HI-MILER
331	11.00 X 20.00	12	TT SUPER HI-MILER
373	11.00 X 20.00	14	TT SUPER HI-MILER
373	11.00 X 20.00	14	TT SUPER HI-MILER
349	11.00 X 22.00	12	TT SUPER HI-MILER
389	11.00 X 22.00	14	TT SUPER HI-MILER
411	11.00 X 24.00	14	TT SUPER HI-MILER
410	11.00 X 20.00	14	TT CUSTOM HI-MILER
134	12.00 X 16.50	10	TT CUSTOM HI-MILER
484	12.00 X 20.00	14	TT CUSTOM HI-MILER

TT = Tube-type Tires

TL = Tubeless Tires

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T i r e   D e s c r i p t i o n

Cost(\$) per Ea	Size	Ply	Type of Tire
532	12.00 X 20.00	16	TT CUSTOM HI-MILER
701	14.00 X 20.00	18	TT CUSTOM HI-MILER
355	14.00 X 17.50	10	TT CUSTOM HI-MILER
120	6.90 X 15.00	8	TT RIB HI-MILER LP TRAILER
187	7.50 X 15.00	12	TT RIB HI-MILER LP TRAILER
196	8.25 X 15.00	12	TT RIB HI-MILER LP TRAILER
211	9.00 X 15.00	12	TT RIB HI-MILER LP TRAILER
229	8.25 X 15.00	14	TT RIB HI-MILER LP TRAILER
248	10.00 X 15.00	12	TT RIB HI-MILER LP TRAILER
279	10.00 X 15.00	14	TT RIB HI-MILER LP TRAILER
433	11.00 X 20.00	14	TT SRL 1
771	14.00 X 20.00	18	TT SRL 1
841	14.00 X 24.00	18	TT SRL 1
938	14.00 X 24.00	20	TT SRL 1
342	10.00 X 20.00	12	TT SRL 1
245	9.00 X 20.00	10	TT CUSTOM CROSS RIB HI-MILER
301	10.00 X 20.00	14	TT CUSTOM CROSS RIB HI-MILER
331	10.00 X 22.00	12	TT CUSTOM CROSS RIB HI-MILER
370	11.00 X 20.00	12	TT CUSTOM CROSS RIB HI-MILER
406	11.00 X 20.00	14	TT CUSTOM CROSS RIB HI-MILER
559	15.00 X 22.50	16	TL CUSTOM HI-MILER SUPER SINGLE
628	16.50 X 22.50	16	TL CUSTOM HI-MILER SUPER SINGLE
593	18.00 X 22.50	16	TL CUSTOM HI-MILER SUPER SINGLE
655	18.00 X 22.50	18	TL CUSTOM HI-MILER SUPER SINGLE
53	5.00 X 12.00	4	TT CAMPER-TRAILER TIRES
115	6.50 X 10.00	10	TT XTRA TRACTION MINE & INDUSTRIAL
180	7.00 X 12.00	10	TT XTRA TRACTION MINE & INDUSTRIAL
234	7.00 X 15.00	12	TT XTRA TRACTION MINE & INDUSTRIAL
229	7.50 X 15.00	10	TT XTRA TRACTION MINE & INDUSTRIAL
255	8.25 X 15.00	12	TT XTRA TRACTION MINE & INDUSTRIAL
408	9.00 X 20.00	12	TT HARD ROCK LUG MINE & INDUSTRIAL
479	10.00 X 20.00	14	TT HARD ROCK LUG MINE & INDUSTRIAL
74	16.25 X 5.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
89	16.25 X 6.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
96	5.90 X 22.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
49	12.00 X 3.50	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
356	12.00 X 22.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
64	13.00 X 4.50	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
408	14.00 X 22.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
91	16.00 X 5.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
102	16.00 X 6.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
460	16.00 X 22.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
132	18.00 X 8.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
158	18.00 X 9.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
113	18.00 X 7.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
102	22.00 X 6.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH

TT = Tube-type Tires

TL = Tubeless Tires

T i r e   D e s c r i p t i o n

Cost (\$) per Ea	Size	Ply	Type of Tire
195	22.00 X 9.00	HR	PRESSED ON INDUSTRIAL TIRES SMOOTH
38	16.00 X 6.50	4	TL INDUSTRIAL TERRA SOF-TRAC
36	18.00 X 8.50	2	TL INDUSTRIAL TERRA SOF-TRAC
40	18.00 X 8.50	4	TL INDUSTRIAL TERRA SOF-TRAC
51	23.00 X 8.50	4	TL SURE GRIP-XTRA TRACTION TERRA
73	26.50 X 12.00	4	TL SURE GRIP-XTRA TRACTION TERRA
219	31.00 X 15.50	8	TL SURE GRIP-XTRA TRACTION TERRA
350	18.40 X 16.10	6	TL POWER TORQUE REAR TRACTOR R-1
318	13.60 X 28.00	6	TL POWER TORQUE REAR TRACTOR R-1
180	9.50 X 24.00	4	TT ALL WEATHER REAR TRACTOR R-3
360	14.90 X 24.00	6	TT ALL WEATHER REAR TRACTOR R-3
445	18.40 X 16.10	6	TT ALL WEATHER REAR TRACTOR R-3
865	23.10 X 26.00	8	TT ALL WEATHER REAR TRACTOR R-3
993	23.10 X 26.00	10	TT ALL WEATHER REAR TRACTOR R-3
346	13.60 X 28.00	6	TT ALL WEATHER REAR TRACTOR R-3
337	14.90 X 24.00	6	TL INDUSTRIAL SURE GRIP R-4
388	14.90 X 24.00	8	TL INDUSTRIAL SURE GRIP R-4
487	16.90 X 24.00	8	TL INDUSTRIAL SURE GRIP R-4
711	16.90 X 28.00	10	TL INDUSTRIAL SURE GRIP R-4
1758	23.10 X 26.00	10	TT LOGGER LUG STEELGARD LS-2
253	14.90 X 24.00	6	TT TRACTION TORQUE REAR TRACTOR R-1
327	16.90 X 24.00	6	TT TRACTION TORQUE REAR TRACTOR R-1
714	18.40 X 30.00	10	TT TRACTION TORQUE REAR TRACTOR R-1
792	23.10 X 26.00	8	TT TRACTION TORQUE REAR TRACTOR R-1
98	7.50 X 16.00	6	TT SINGLE RIB FRONT TRACTOR F-1
101	11.00 X 16.00	10	TL FARM SERVICE I-1
126	12.50 X 15.00	12	TL FARM SERVICE I-1
168	14.00 X 16.10	6	TL FARM SERVICE I-1
83	7.50 X 16.00	8	TT IMPLEMENT RIB I-1
93	7.50 X 16.00	10	TT IMPLEMENT RIB I-1
110	11.00 X 15.00	10	TL LABORER F-3
130	11.00 X 16.00	10	TL LABORER F-3
149	11.00 X 16.00	12	TL LABORER F-3
247	14.50 X 16.10	10	TL LABORER F-3
1175	14.00 X 24.00	20	TT COMPACTOR SMOOTH FLAT TREAD
1454	30.00 X 50.00	2	BELTS FOR LOADERS
1920	36.00 X 50.00	2	BELTS FOR LOADERS
2701	42.00 X 50.00	2	BELTS FOR LOADERS
1920	48.00 X 50.00	2	BELTS FOR LOADERS
7836	48.00 X 50.00	3	BELTS FOR LOADERS
8004	48.00 X 60.00	3	BELTS FOR LOADERS
11285	60.00 X 50.00	4	BELTS FOR LOADERS
13441	60.00 X 60.00	4	BELTS FOR LOADERS
1164	24.00 X 50.00	2	BELTS FOR LOADERS
1372	16.00 X 25.00	24	TL E-1 HARD ROCK RIB
2019	18.00 X 25.00	32	TL E-1 HARD ROCK RIB

TT = Tube-type Tires

TL = Tubeless Tires

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T i r e   D e s c r i p t i o n

Cost (\$) per Ea	Size	Ply	Type of Tire
1503	18.00 X 25.00	12	TL E-2 EARTHMOVER SURE GRIP
1600	18.00 X 25.00	16	TL E-2 EARTHMOVER SURE GRIP
1584	23.50 X 25.00	16	TL E-2 SURE GRIP LUG
1665	23.50 X 25.00	20	TL E-2 SURE GRIP LUG
2804	26.50 X 25.00	24	TL E-2 SURE GRIP LUG
2804	26.50 X 25.00	26	TL E-2 SURE GRIP LUG
3781	29.50 X 29.00	28	TL E-2 SURE GRIP LUG
4071	29.50 X 29.00	34	TL E-2 SURE GRIP LUG
886	14.00 X 20.00	24	TT E-3 HARD ROCK LUG
999	14.00 X 24.00	20	TT E-3 HARD ROCK LUG
964	14.00 X 24.00	24	TT E-3 HARD ROCK LUG
1166	14.00 X 25.00	20	TL E-3 HARD ROCK LUG
1312	16.00 X 25.00	20	TL E-3 HARD ROCK LUG
1295	16.00 X 25.00	24	TL E-3 HARD ROCK LUG
1842	18.00 X 25.00	20	TL E-3 HARD ROCK LUG
2032	18.00 X 25.00	28	TL E-3 HARD ROCK LUG
2357	18.00 X 33.00	28	TL E-3 HARD ROCK LUG
2890	21.00 X 25.00	24	TL E-3 HARD ROCK LUG
3863	21.00 X 35.00	28	TL E-3 HARD ROCK LUG
4058	21.00 X 35.00	32	TL E-3 HARD ROCK LUG
5117	24.00 X 35.00	36	TL E-3 HARD ROCK LUG
11604	37.50 X 51.00	44	TL E-3 HARD ROCK LUG
6134	24.00 X 49.00	36	TL E-3 HARD ROCK LUG 8
1229	20.50 X 25.00	12	TL E-3 SUPER HARD ROCK LUG
1290	20.50 X 25.00	16	TL E-3 SUPER HARD ROCK LUG
1355	20.50 X 25.00	20	TL E-3 SUPER HARD ROCK LUG
1822	23.50 X 25.00	16	TL E-3 SUPER HARD ROCK LUG
1913	23.50 X 25.00	20	TL E-3 SUPER HARD ROCK LUG
3225	26.50 X 25.00	24	TL E-3 SUPER HARD ROCK LUG
1980	26.50 X 25.00	24	TL E-3 SUPER HARD ROCK LUG
3791	29.50 X 25.00	22	TL E-3 SUPER HARD ROCK LUG
4083	29.50 X 25.00	28	TL E-3 SUPER HARD ROCK LUG
4036	29.50 X 29.00	22	TL E-3 SUPER HARD ROCK LUG
4347	29.50 X 29.00	28	TL E-3 SUPER HARD ROCK LUG
4682	29.50 X 29.00	34	TL E-3 SUPER HARD ROCK LUG
5574	33.25 X 29.00	32	TL E-3 SUPER HARD ROCK LUG
6005	33.25 X 35.00	32	TL E-3 SUPER HARD ROCK LUG
6466	33.25 X 35.00	38	TL E-3 SUPER HARD ROCK LUG
7946	37.50 X 39.00	36	TL E-3 SUPER HARD ROCK LUG
8772	37.50 X 39.00	44	TL E-3 SUPER HARD ROCK LUG
6503	33.50 X 33.00	38	TL E-3 SUPER HARD ROCK LUG
4782	29.50 X 35.00	28	TL E-3 SUPER HARD ROCK LUG 8
4949	33.25 X 29.00	26	TL E-3 SUPER HARD ROCK LUG 8
6284	33.50 X 33.00	38	TL E-3 SUPER HARD ROCK LUG 8
7636	37.25 X 35.00	30	TL E-3 SUPER HARD ROCK LUG 8
8025	37.25 X 35.00	42	TL E-3 SUPER HARD ROCK LUG 8

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T i r e   D e s c r i p t i o n

Cost (\$) per Ea	Size	Ply	Type of Tire
7451	37.50 X 33.00	36	TL E-3 SUPER HARD ROCK LUG 8
8885	37.50 X 39.00	44	TL E-3 SUPER HARD ROCK LUG 8
11026	30.00 X 51.00	46	TL*E-4 HARD ROCK LUG XTRA-TRED 8
1665	16.00 X 25.00	28	TL*E-4 HARD ROCK LUG XTRA-TRED 8
3375	18.00 X 49.00	32	TL*E-4 HARD ROCK LUG XTRA-TRED 8
6337	24.00 X 35.00	42	TL*E-4 HARD ROCK LUG XTRA-TRED 8
6811	24.00 X 43.00	42	TL*E-4 HARD ROCK LUG XTRA-TRED 8
7595	24.00 X 49.00	42	TL*E-4 HARD ROCK LUG XTRA-TRED 8
8983	27.00 X 49.00	42	TL*E-4 HARD ROCK LUG XTRA-TRED 8
1884	18.00 X 25.00	40	TT E-7 EARTHMOVER ALL WEATHER
1305	18.00 X 25.00	16	TL E-7 SAND RIB
2005	21.00 X 25.00	16	TL E-7 SAND RIB
1045	16.00 X 24.00	12	TL G-1 GRADER RIB
345	13.00 X 24.00	8	TL G-2 SURE GRIP GRADER
379	13.00 X 24.00	10	TL G-2 SURE GRIP GRADER
417	13.00 X 24.00	12	TL G-2 SURE GRIP GRADER
438	14.00 X 24.00	10	TL G-2 SURE GRIP GRADER
480	14.00 X 24.00	12	TL G-2 SURE GRIP GRADER
581	14.00 X 24.00	16	TL G-2 SURE GRIP GRADER
963	16.00 X 24.00	12	TL G-2 SURE GRIP GRADER
1013	16.00 X 24.00	16	TL G-2 SURE GRIP GRADER
472	15.50 X 25.00	8	TL L-2 SURE GRIP LUG D&L
520	15.50 X 25.00	12	TL L-2 SURE GRIP LUG D&L
640	17.50 X 25.00	12	TL L-2 SURE GRIP LUG D&L
1069	20.50 X 25.00	12	TL L-2 SURE GRIP LUG D&L
1120	20.50 X 25.00	16	TL L-2 SURE GRIP LUG D&L
1624	23.50 X 25.00	12	TL L-2 SURE GRIP LUG D&L
1702	23.50 X 25.00	16	TL L-2 SURE GRIP LUG D&L
1229	20.50 X 25.00	12	TL L-3 SUPER HARD ROCK LUG D&L
1290	20.50 X 25.00	16	TL L-3 SUPER HARD ROCK LUG D&L
1867	23.50 X 25.00	12	TL L-3 SUPER HARD ROCK LUG D&L
1959	23.50 X 25.00	16	TL L-3 SUPER HARD ROCK LUG D&L
2161	23.50 X 25.00	24	TL L-3 SUPER HARD ROCK LUG D&L
3557	26.50 X 25.00	20	TL L-3 SUPER HARD ROCK LUG D&L
4037	29.50 X 25.00	16	TL L-3 SUPER HARD ROCK LUG D&L
4555	29.50 X 29.00	22	TL L-3 SUPER HARD ROCK LUG D&L
5237	29.50 X 29.00	22	TL*L-4 SUPER HARD ROCK LUG D&L XT
8238	33.25 X 35.00	26	TL*L-4 SUPER HARD ROCK LUG D&L XT
6765	35.65 X 33.00	24	TL*L-4 NYLOSTEEL XTRA TREAD D&L B/B
10264	40.65 X 39.00	30	TL*L-4 NYLOSTEEL XTRA TREAD D&L B/B
12923	37.25 X 35.00	42	TL*L-5 SUPER XTRA TREAD D&L
17034	45.65 X 45.00	38	TL*L-5 NYLOSTEEL SUPER XT D&L B/B
3219	18.00 X 25.00	24	TL*L-4S,5S SMOOTH SUPER XT D&L
3380	18.00 X 25.00	28	TL*L-4S,5S SMOOTH SUPER XT D&L
4389	21.00 X 25.00	24	TL*L-4S,5S SMOOTH SUPER XT D&L
638	15.00 X 19.50	12	TL SURE GRIPLOADER SUPER SINGLE

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T i r e   D e s c r i p t i o n

Cost (\$) per Ea	Size	Ply	Type of Tire
760	16.90 X 30.00	6	TL SMOOTH
60	5.90 X 12.00	4	TL LOADER SERVICE
381	15.00 X 19.50	14	TL ALL SERVICE SUPER SINGLE
610	18.00 X 19.50	16	TL ALL SERVICE SUPER SINGLE
425	17.50 X 24.00	6	TL INDUSTRIAL TORQUE R-4
561	17.50 X 24.00	10	TL INDUSTRIAL TORQUE R-4
817	21.00 X 24.00	12	TL INDUSTRIAL TORQUE R-4
1080	21.00 X 24.00	16	TL INDUSTRIAL TORQUE R-4
696	19.50 X 24.00	10	TL INDUSTRIAL TORQUE R-4
693	19.50 X 24.00	12	TL INDUSTRIAL TORQUE R-4
43	5.70 X 8.00	6	TL HIGHLANDER
49	23.00 X 8.50	4	TL LAWN & GARDEN
39	16.50 X 6.50	4	TL RIB TERRA

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