

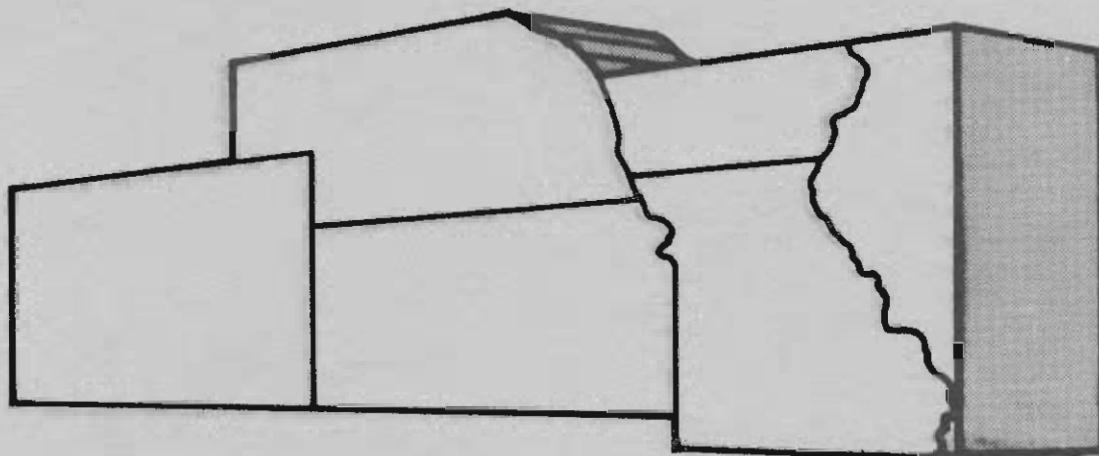


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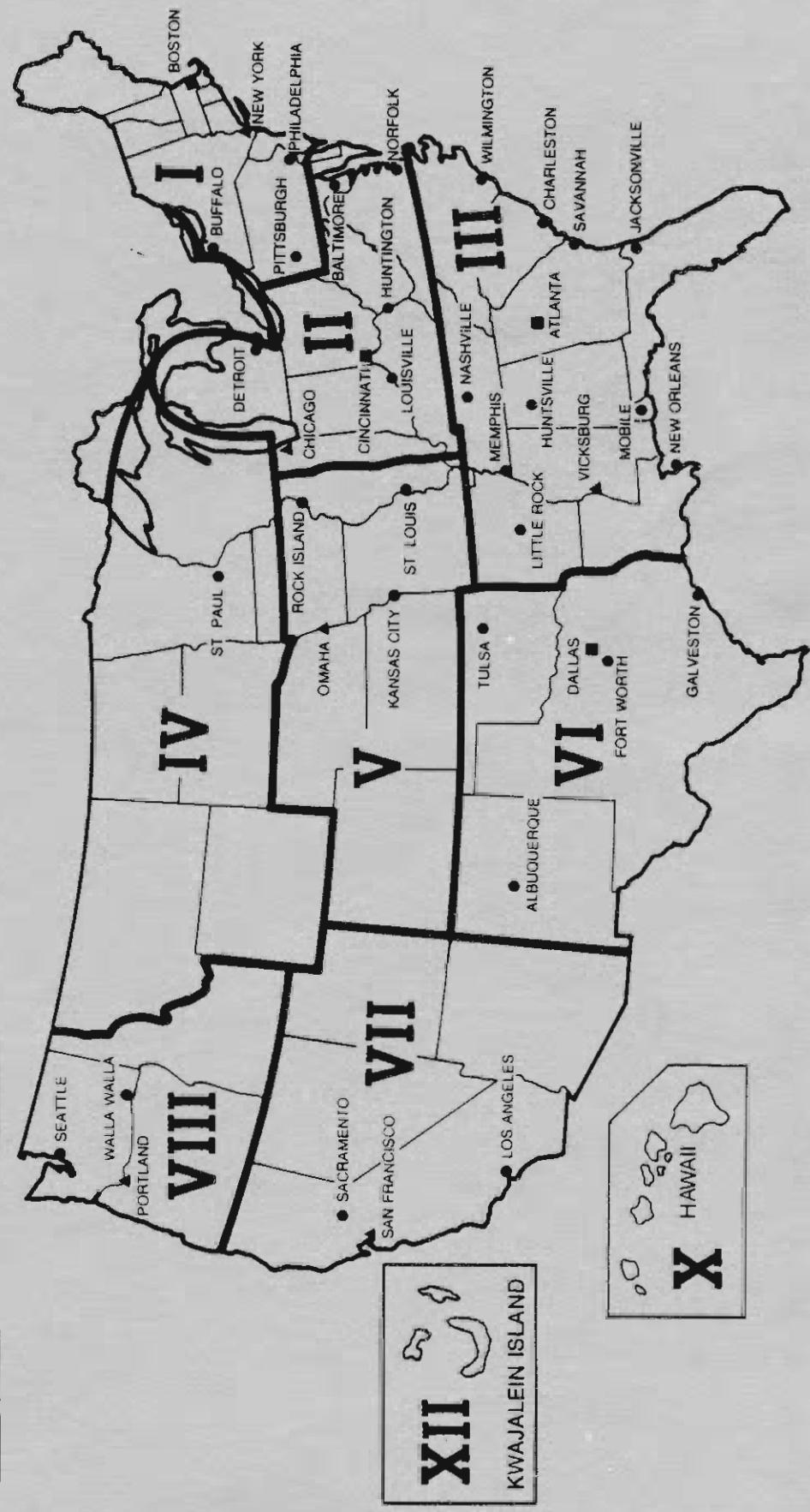
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June 1986

Construction Equipment Ownership and Operating Expense Schedule

Region V



Regions for the Construction Equipment Ownership and Operating Expense Schedule



DAEN-ECE-S

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

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Pamphlet
No. 1110-1-8

1 June 1986

Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

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

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

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

3. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead, or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 1984. The percentages for marine equipment provide an allowance for ownership expenses only. This pamphlet will be updated annually or more frequently if necessary.

FOR THE COMMANDER:

Arthur E. Williams
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Colonel, Corps of Engineers
Chief of Staff

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CHAPTER 1

INTRODUCTION

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

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

Colorado	Kentucky (west of
Illinois (west of	U.S. Hwy. 51)
U.S. Hwy. 51)	Missouri (north of
Iowa (south of U.S. Hwy. 20)	$36^{\circ}30'00''$)
Kansas	Nebraska

1-3. References. See APPENDIX A.

1-4. General. The rates and percentages shown in this pamphlet are based on equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor. These rates and percentages do not include allowances for operating labor, mobilization or demobilization costs, overhead, or profit, and do not represent rental charges for those in the business of renting equipment. The rates included in this pamphlet are based on construction equipment purchased new on 1 July 1984. The percentages for marine equipment provide an allowance for ownership expenses only. This pamphlet will be updated annually or more frequently if necessary.

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

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

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

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

CHAPTER 2

METHODOLOGY

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

2-2. Construction Equipment.

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

b. Operating Conditions.

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

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

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

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

(1) Depreciation.

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

(b) Salvage value for the used equipment was determined from the "Handbook of New and Used Construction Equipment Values" (Green Guide) and advertisements of used equipment for sale displayed in current engineering and construction magazines. The salvage value percentages used for each type of equipment are listed in APPENDIX D (column "SLV") as a percent of the "equipment cost" and are equal for both "Average Condition" and "Severe Condition." The percentages are adjusted by the economic adjustment factor (EAF) to bring the salvage value up to current price levels. The EAF factor is obtained from APPENDIX E and is equal to the economic index for the current year divided by the economic index for the year the equipment was manufactured. The ownership costs shown in TABLE 3-1 represent the hourly costs for new equipment manufactured and purchased in 1984.

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

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

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

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

(a) The cost of facilities capital (CFC) as defined in FAR 31.205-10 and CAS 414 is included in the use rates. This cost was computed by multiplying the cost of money rate (9.75%) determined by the Secretary of the Treasury pursuant to P.L. 92-41 (85 Stat. 97) by the average value of equipment and prorating the result over the annual operating hours. This cost of money rate was discounted to 7.80% to avoid duplication when applying markups for overhead and profit.

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

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

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

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

d. Operating Cost.

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

(2) Fuel Consumption Cost.

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

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

where:

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

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

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

(4) Gasoline wt = 6.1 lbs per gallon

(5) Diesel wt = 7.1 lbs per gallon

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

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

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

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

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

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

(4) Maintenance and Repair Costs.

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

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

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

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

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

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

(5) Hourly Tire Cost.

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

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

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

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

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

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

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

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

CONSTRUCTION EQUIPMENT HOURLY OWNERSHIP AND OPERATING RATE WORK SHEET <i>(EP 1110-1-8)</i>					
1. REQUIRED DATA					
(Since this request for information is to less than ten persons, OMB approval under Section 3507, 44 USC, is not required.)					
a. Unit Number	<u>3265</u>				
(1) Equipment Description	<u>P/H TRUCK Crane, 50 Ton</u>				
(2) Model and Series	<u>650A-TC w/ 150' Boom</u>				
(3) Year Purchased	<u>1984</u>	(4) Year Manufactured	<u>1984</u>		
(5) Equipment Horsepower	<u>135</u>	(6) Carrier Horsepower	<u>236</u>		
(7) Fuel Type	<u>Diesel / Diesel</u>	(8) Shipping Weight	<u>122,200 lbs</u>		
(9) Tire Size: Front	<u>14x20 18pr</u>	Drive	<u>14x20 18pr</u>	Trailing	<u>—</u>
b. Key Number from APPENDIX D	<u>225</u>				
(1) Condition	<u>Average</u>				
(2) Salvage Value %	<u>15%</u>	(3) Life	<u>18,000 hrs</u>		
(4) Equipment Fuel Factor	<u>.038</u>	(5) Carrier Fuel Factor	<u>.006</u>		
(6) FOG Factor: Gas	<u>N/A</u>	Diesel	<u>.26</u>	Electric	<u>N/A</u>
(7) Tire Wear Factor: Front	<u>.97</u>	Drive	<u>.78</u>	Trailing	<u>N/A</u>
(8) Repairs Coat Factor	<u>.60</u>				
2. EQUIPMENT COST					
a. List Price Year of Manufacture (including extras)	<u>-\$ 410,908⁰⁰</u>				
(1) Discount: (List Price) x *7.5% *(17.5% for Highway Trucks)	<u>= (\$ 410,908) x .075</u> <u>= (-)\$ 30,818¹⁰</u>				
(2) Freight: (Shipping Weight) x (Prep. and Del. Rate) From 1-a-(8) From APPENDIX B	<u>= (<u>1222 cwt</u>) x (\$ <u>2 50</u>)</u> <u>= (+)\$ 3055⁰⁰</u>				
b. Subtotal: Summation of Part a. (Use actual cost when available)	<u>= \$ 383,144⁹⁰</u>				
(1) State Sales Tax: (Subtotal) x (Tax Rate) From 2-b	<u>= (\$ 383,145) x (.045)</u> <u>= (+)\$ 17,241⁵²</u>				
c. Equipment Cost: Summation of Part b. (Use actual cost when available)	<u>= \$ 400,386⁴²</u>				

Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

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

$$=(\underline{18,000} \text{ Hrs}) + (\underline{1,550} \text{ Hrs/Yr}) = \underline{11.61} \text{ Yrs.}$$

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

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

5. SALVAGE VALUE FACTOR (S)

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

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

6. OWNERSHIP COSTS

a. Depreciation:

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

$$= (\underline{\$400,386}) \times [1.0 - (\underline{.156})] - (\underline{\$9326}) + (\underline{18000} \text{ Hr}) = \underline{\$18.26} \text{ /Hr.}$$

b. Cost of Facilities Capital (CPC):

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

$$= [(\underline{11.6} \text{ Yrs}) - 1.0] \times [(\underline{.156}) + 1.0] + 2.0] + [(\underline{11.6} \text{ yrs}) \times 2.0] = \underline{.614}$$

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

$$= (\underline{\$400,386}) \times (\underline{.614}) \times (\underline{.078}) + (\underline{1,550} \text{ Hrs/Yr}) = \underline{\$12.37} \text{ /Hr.}$$

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) = $\$30.63$ /Hr.

Figure 2-1. (Continued)

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

7. OPERATING COSTS

a. Fuel Costs:

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

$$= (.038) \times (135 \text{ HP}) \times (\$0.97/\text{Gal}) = \$4.98/\text{Hr.}$$

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

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

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) = \\$6.64/Hr.

b. FOG Costs:

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

$$= (.26) \times (\$4.98/\text{Hr}) = \$1.29/\text{Hrs.}$$

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

$$= (.26) \times (\$1.66/\text{Hr}) = \$0.43/\text{Hr.}$$

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) = \\$1.72/Hr.

c. Repairs Cost:

(1) Repair Factor:

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

$$= (.60) \times (1.037) \times (.93) = .579$$

(2) Hourly Repairs:

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

$$= [(\$400,386) - (\$9326)] \times (.579) + (18,000 \text{ Hr}) = \$12.58/\text{Hr.}$$

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):

Front	F-Tire	Max Tire
(1) Front Tires: 1.5 x (Tires) + [1.8 x (Ptr Frm) x (Life Frm)]	1-b-(7)	Tbl F-1
Cost		
=1.5x(\$ <u>3084</u>) + [1.8x(<u>.97</u>)x(<u>5000 Hr.</u>)]		= \$ <u>0,53</u> /Hr.

Drive	D-Tire	Max Tire
(2) Drive Tires: 1.5 x (Tires) + [1.8 x (Ptr Frm) x (Life Frm)]	1-b-(7)	Tbl F-1
Cost		
=1.5x(\$ <u>6168</u>) + [1.8x(<u>.78</u>)x(<u>5000 Hr.</u>)]		= \$ <u>1,32</u> /Hr.

Trlg	T-Tire	Max Tire
(3) Trailing Tires: 1.5x(Tires) + [1.8x(Ptr Frm) x (Life Frm)]	1-b-(7)	Tbl F-1
Cost		
=1.5x(\$ <u> </u>) + [1.8x(<u> </u>)x(<u> </u> Hr.)]		= \$ <u> </u> /Hr.

(4) Total Tire Wear Cost: (Sum 7-d-(1) thru (3)) = \$ 1,85/Hr.

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

= (\$ 1,85) x 0.15 = \$ 0,28/Hr.

f. Total Operating Costs: (Sum 7-a thru 7-e) = \$ 23,07/Hr.

B. TOTAL HOURLY RATES

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

(Ownership Costs Frm 6-c) + (Operating Costs Frm 7-f)
= (\$ 30,63/Hr) + (\$ 23,07/Hr) = \$ 53.70/Hr.

b. Hourly Rate for Other Work Shifts:

(Depreciation) + [(CPC Frm) x 40 + (Work Hrs)] + (Operating Costs)
From 6-a 6-b-(2) Par Week Frm 7-f
= (\$ 18,26/Hr) + [(\$ 12,37/Hr)x40+ (60 Hr/Wk)] + (\$ 23,07/Hr) = \$ 49.58/Hr.

c. Hourly Standby Rate:

(Depreciation) x 0.25 + (CPC Frm)
From 6-a 6-b-(2)
= (\$ 18,26/Hr) x 0.25 + (\$ 12,37/Hr) = \$ 16.94/Hr.

Figure 2-1. (Continued)

2-3. Marine Equipment.

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

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

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

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

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

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

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

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

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

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

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

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

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

CHAPTER 3

RATE SCHEDULE

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

3-2. Hourly Equipment Ownership and Operating Expense.

a. Description.

(1) The following example illustrates how the equipment is listed in TABLE 3-1. The unit number 3185 is the identifying number of this piece of equipment in the input and output computer listings. The number 5530 is the model number of the equipment (American Model 5530 Truck Crane). The crane is rated at 75 tons and is equipped with a 170-foot boom. The crane has a 115-horsepower engine, the carrier has a 238-horsepower engine and both engines are diesel. The cost column reflects the pre-determined "equipment cost," used to compute the rates.

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

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

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

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

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

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

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

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

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

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

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



TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION AVERAGE	STAND BY SEVERE	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP	FUEL	FUEL				
AGGREGATE SPREADER												
ETNYRE - SELF-PROPELLED												
1015	SPREAD TO 8" DEPTH & 10' WIDE	184 HP G	56,034	23.51	2.96	6.19	10.70		155			
1020	SPREAD TO 8" DEPTH & 13' WIDE	140 HP D	62,675	16.49	3.31	6.93	4.07		160			
AIR COMPRESSORS, PORTABLE												
(HOSE NOT INCLUDED)												
ROTARY SCREW												
1035	SIZE 100 CFM QUIET 100 PSI	50 HP G	11,021	6.86	0.58	1.13	3.76		20			
1040	SIZE 100 CFM QUIET 100 PSI	33 HP D	13,217	3.84	0.69	1.36	1.22		26			
1045	SIZE 125 CFM QUIET 100 PSI	70 HP G	13,488	9.29	0.71	1.39	5.27		24			
1050	SIZE 125 CFM QUIET 100 PSI	51 HP D	14,346	4.88	0.75	1.47	1.88		26			
1055	SIZE 175 CFM QUIET 100 PSI	70 HP G	14,722	9.51	0.78	1.52	5.27		26			
1060	SIZE 175 CFM QUIET 100 PSI	54 HP D	16,708	5.44	0.88	1.73	1.99		28			
1065	SIZE 185 CFM QUIET 100 PSI	70 HP G	15,199	9.58	0.80	1.56	5.27		27			
1070	SIZE 185 CFM QUIET 100 PSI	69 HP D	17,937	6.35	0.94	1.85	2.54		29			
1075	SIZE 250 CFM QUIET 100 PSI	88 HP D	26,703	8.78	1.41	2.77	3.24		55			
1080	SIZE 375 CFM QUIET 100 PSI	122 HP D	33,080	11.53	1.74	3.37	4.50		79			
1085	SIZE 450 CFM QUIET 100 PSI	152 HP D	42,899	14.64	2.25	4.39	5.60		89			
1090	SIZE 600 CFM QUIET 100 PSI	188 HP D	51,533	17.83	2.71	5.27	6.93		97			
1095	SIZE 750 CFM QUIET 100 PSI	228 HP D	59,729	21.13	3.14	6.12	8.40		128			
1100	SIZE 825 CFM QUIET 100 PSI	260 HP D	67,993	24.07	3.58	6.98	9.58		130			
1105	SIZE 900 CFM QUIET 100 PSI	270 HP D	74,491	25.68	3.92	7.66	9.95		148			
1110	SIZE 1000 CFM QUIET 100 PSI	294 HP D	83,232	28.31	4.38	8.56	10.84		186			
1115	SIZE 1200 CFM QUIET 100 PSI	400 HP D	99,607	36.15	5.25	10.27	14.74		196			
1120	SIZE 1600 CFM QUIET 100 PSI	456 HP D	112,626	41.06	5.92	11.60	16.81		216			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL				
AIR EQUIPMENT ***** (HOSE NOT INCLUDED)												
CLEMCO - SANDBLASTERS												
1135	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,482	0.96		0.13	0.35	0.00		3			
1140	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,700	1.69		0.23	0.63	0.00		5			
1145	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,716	1.69		0.23	0.63	0.00		6			
1150	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	2,983	1.93		0.26	0.70	0.00		7			
1155	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,035	2.56		0.35	0.94	0.00		9			
1160	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	11,730	7.25		1.01	2.69	0.00		28			
1165	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	14,396	8.79		1.21	3.19	0.00		45			
1170	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	17,563	10.81		1.49	3.94	0.00		53			
GARDNER DENVER - TOOLS												
1180	SPADER SP27E	32CFM A	901	0.60		0.08	0.21	0.00	1			
1185	SINKER DRILL S58	98CFM A	1,978	1.31		0.18	0.47	0.00	1			
1190	PAVING BREAKER B37	41CFM A	925	0.62		0.09	0.22	0.00	1			
1195	PAVING BREAKER B67C	46CFM A	991	0.67		0.09	0.24	0.00	1			
1200	PAVING BREAKER B87C	50CFM A	1,078	0.71		0.09	0.25	0.00	1			
1205	FEED LEG DRILL S83F-54" TRAVEL RETRACTABLE FL-7	103CFM A	3,638	2.34		0.32	0.86	0.00	1			
MASTER - CONCRETE VIBRATORS												
1215	CONCRETE VIBR. MOD A-600SH 6"	125CFM A	1,952	1.80		0.17	0.45	0.00	1			
1220	CONCRETE VIBR. MOD A-450SH 4.5"	110CFM A	1,254	1.20		0.11	0.30	0.00	1			
1225	CONCRETE VIBR. MOD A-35010 3.5"	82CFM A	1,126	1.05		0.10	0.26	0.00	1			
1230	CONCRETE VIBR. MOD A-30010 3"	64CFM A	1,016	0.95		0.09	0.24	0.00	1			
1235	CONCRETE VIBR. MOD A-25010 2.5"	40CFM A	795	0.74		0.07	0.19	0.00	1			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	FUEL		
					AVERAGE OWNER-SHIP	SEVERE OWNER-SHIP	FUEL		
ASPHALT DISTRIBUTOR - ROSCO ***** (NO CHASSIS)									
1245	MOD RES 1000 GAL. TRUCK MOUNTED 18,000 TO 24,000 GVW REQUIRED	45 HP G	30,837	10.52		1.65	3.47	3.39	72
1250	MOD RES 1500 GAL. TRUCK MOUNTED 24,000 TO 32,000 GVW REQUIRED	45 HP G	31,578	10.66		1.68	3.55	3.39	75
1255	MOD RES 2000 GAL. TRUCK MOUNTED 32,000 GVW REQUIRED	45 HP G	33,770	11.09		1.80	3.79	3.39	87
1260	MOD RES 3000 GAL. TRUCK MOUNTED 42,000 GVW REQUIRED	45 HP G	37,872	11.89		2.02	4.25	3.39	109
ASPHALT FINISHERS ***** SPW=STANDARD PAVING WIDTH									
BARBER-GREENE									
1270	MOD SB111 8' SPW (PNEUMATIC)	70 HP D	89,329	21.39		4.72	9.88	2.58	165
1275	MOD SB131 10' SPW (PNEUMATIC) W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	95 HP D	148,332	34.57		7.82	16.32	3.50	258
1280	MOD SB140 10' SPW (PNEUMATIC) OPTIONS SAME AS MOD SB131	130 HP D	166,428	39.88		8.79	18.37	4.79	325
1285	MOD SA150 10' SPW (CRAWLER) OPTIONS SAME AS MOD SB131	130 HP D	196,740	45.68		10.48	22.11	4.79	375
BLAW-KNOX									
1295	MOD PF-22 5'-8' SPW (PNEUMATIC)	30 HP D	48,633	11.31		2.55	5.31	1.11	95
1300	MOD PF-35 6'-8' SPW (PNEUMATIC)	44 HP D	80,809	18.42		4.26	8.92	1.62	104
1305	MOD PF-115 8' SPW (PNEUMATIC)	56 HP D	107,840	24.50		5.69	11.90	2.06	180
1310	MOD PF-120H 10' SPW (PNEUMATIC)	95 HP D	130,844	31.05		6.88	14.35	3.50	240
1315	MOD PF-180H 10' SPW (PNEUMATIC)	92 HP D	155,550	35.94		8.18	17.05	3.39	277
1320	MOD PF-220 12' SPW (PNEUMATIC)	148 HP D	202,129	48.10		10.62	22.12	5.46	387
1325	MOD PF-400A 8' SPW (CRAWLER)	90 HP D	144,269	33.25		7.68	16.21	3.32	230
1330	MOD PF-500 10' SPW (CRAWLER)	125 HP D	173,742	40.83		9.25	19.52	4.61	291

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT
			CONDITION	STAND-BY	AVERAGE OWNER-SHIP	SEVERE OWNER-SHIP	FUEL		
			AVERAGE	SEVERE					
ASPHALT KETTLES - ROSCO									
1340	MOD KB 110 GAL. TRAILER MOUNTED	3,741	1.86		0.22	0.49	0.00		13
1345	MOD KD 225 GAL. TRAILER MOUNTED	4,344	2.11		0.26	0.57	0.00		16
ASPHALT RECYCLER - BOMAG									
1355	MOD AR-6 TRAILER MOUNTED	8 HP G	10,338	4.75		0.60	1.36	0.60	21
BROOMS - M-B									
1365	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER		6,529	1.40		0.35	0.70	0.00	24
1370	MOD 53-M 7 FT. TOWED MOTOR DRIVEN W/SPRINKLER	30 HP G	8,399	4.36		0.44	0.90	2.26	30
1375	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER		3,179	0.77		0.17	0.35	0.00	10
1380	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER		5,739	1.19		0.31	0.63	0.00	14
BRUSH CHIPPERS - FMC									
1390	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	11,658	12.71		0.62	1.31	7.87		41
1395	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	12,757	12.95		0.68	1.42	7.87		45
BUCKETS, CLAMSHELL									
ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1405	.75 C.Y.	10,152	1.88	2.40	0.55	1.19	0.00	1.41	0.00
1410	1.0 C.Y.	10,922	2.01	2.57	0.58	1.27	0.00	1.51	0.00
1415	1.5 C.Y.	15,816	2.92	3.74	0.84	1.84	0.00	2.20	0.00
1420	2.0 C.Y.	18,588	3.43	4.39	0.99	2.17	0.00	2.58	0.00
1425	2.5 C.Y.	23,987	4.43	5.66	1.29	2.80	0.00	3.33	0.00
1430	3.0 C.Y.	25,533	4.72	6.02	1.37	2.98	0.00	3.54	0.00
1435	3.5 C.Y.	27,754	5.13	6.55	1.49	3.24	0.00	3.85	0.00

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL						
					AVERAGE	SEVERE	OWNERSHIP	FUEL						
BUCKETS, CLAMSHELL (CONT'D)														
ESCO - MODEL GPS														
GEN PURPOSE & SQUARE NOSE (CONT'D)														
1440	4.0 C.Y.	30,775	5.68	7.25	1.65	3.59	0.00	4.26	0.00	115				
1445	4.5 C.Y.	33,439	6.18	7.88	1.79	3.90	0.00	4.63	0.00	126				
1450	5.0 C.Y.	35,629	6.57	8.40	1.90	4.15	0.00	4.94	0.00	140				
1455	5.5 C.Y.	39,451	7.29	9.31	2.11	4.61	0.00	5.47	0.00	152				
1460	6.0 C.Y.	41,052	7.58	9.68	2.20	4.79	0.00	5.69	0.00	160				
1465	6.5 C.Y.	42,248	7.80	9.96	2.26	4.93	0.00	5.85	0.00	169				
1470	7.0 C.Y.	44,469	8.22	10.49	2.38	5.19	0.00	6.17	0.00	177				
1475	7.5 C.Y.	46,258	8.55	10.92	2.48	5.40	0.00	6.42	0.00	184				
ESCO - MODEL HDS														
HEAVY DUTY & SQUARE NOSE														
1485	.75 C.Y.	9,698	1.79	2.28	0.52	1.13	0.00	1.34	0.00	33				
1490	1.0 C.Y.	13,501	2.50	3.18	0.73	1.58	0.00	1.87	0.00	46				
1495	1.5 C.Y.	19,808	3.66	4.68	1.06	2.31	0.00	2.75	0.00	70				
1500	2.0 C.Y.	21,464	3.97	5.06	1.15	2.51	0.00	2.97	0.00	78				
1505	2.5 C.Y.	26,994	4.99	6.37	1.44	3.15	0.00	3.75	0.00	98				
1510	3.0 C.Y.	29,714	5.49	7.01	1.59	3.47	0.00	4.12	0.00	109				
1515	3.5 C.Y.	34,182	6.32	8.06	1.83	3.99	0.00	4.74	0.00	120				
1520	4.0 C.Y.	36,899	6.82	8.71	1.98	4.31	0.00	5.12	0.00	131				
1525	4.5 C.Y.	39,782	7.35	9.38	2.13	4.64	0.00	5.51	0.00	141				
1530	5.0 C.Y.	42,667	7.88	10.07	2.28	4.98	0.00	5.92	0.00	155				
1535	5.5 C.Y.	45,165	8.34	10.65	2.41	5.27	0.00	6.26	0.00	164				
1540	6.0 C.Y.	47,522	8.78	11.21	2.54	5.55	0.00	6.59	0.00	174				
1545	6.5 C.Y.	50,178	9.27	11.84	2.69	5.86	0.00	6.96	0.00	185				
1550	7.0 C.Y.	52,425	9.69	12.37	2.81	6.12	0.00	7.27	0.00	193				
1555	7.5 C.Y.	54,632	10.10	12.88	2.92	6.38	0.00	7.57	0.00	201				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT								
			CONDITION		STAND-BY	AVERAGE COND. OWNER-SHIP	SEVERE COND. OWNER-SHIP										
			AVERAGE	SEVERE													
BUCKETS, CLAMSHELL (CONT'D)																	
ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE																	
1565	.75 C.Y.	15,361	2.85	3.62	0.83	1.80	0.00	2.13	0.00	50							
1570	1.0 C.Y.	15,669	2.90	3.69	0.84	1.83	0.00	2.17	0.00	55							
1575	1.5 C.Y.	22,629	4.18	5.34	1.21	2.64	0.00	3.14	0.00	81							
1580	2.0 C.Y.	27,889	5.15	6.58	1.49	3.25	0.00	3.87	0.00	99							
1585	2.5 C.Y.	31,390	5.81	7.40	1.68	3.67	0.00	4.35	0.00	115							
1590	3.0 C.Y.	34,230	6.33	8.08	1.83	4.00	0.00	4.75	0.00	127							
1595	3.5 C.Y.	36,944	6.83	8.71	1.98	4.32	0.00	5.12	0.00	141							
1600	4.0 C.Y.	39,346	7.27	9.28	2.10	4.59	0.00	5.46	0.00	150							
1605	4.5 C.Y.	41,014	7.58	9.67	2.20	4.79	0.00	5.68	0.00	160							
1610	5.0 C.Y.	44,603	8.24	10.52	2.38	5.20	0.00	6.18	0.00	173							
1615	5.5 C.Y.	47,430	8.77	11.19	2.54	5.54	0.00	6.58	0.00	185							
1620	6.0 C.Y.	50,037	9.24	11.79	2.68	5.84	0.00	6.93	0.00	195							
1625	6.5 C.Y.	52,888	9.77	12.47	2.83	6.17	0.00	7.33	0.00	208							
1630	7.0 C.Y.	54,995	10.16	12.98	2.94	6.42	0.00	7.63	0.00	218							
1635	7.5 C.Y.	57,793	10.67	13.63	3.09	6.74	0.00	8.01	0.00	229							
BUCKETS, CONCRETE - GAR-BRO										*							
GENERAL PURPOSE & MANUAL										*							
1645	433-G 1.0 C.Y.	1,529	0.27		0.08	0.17	0.00			6							
1650	442-G 1.5 C.Y.	1,910	0.34		0.10	0.21	0.00			8							
1655	462-G 2.0 C.Y.	2,470	0.45		0.13	0.28	0.00			11							
1660	493-G 3.0 C.Y.	3,476	0.63		0.19	0.39	0.00			19							
1665	4123-G 4.0 C.Y.	4,362	0.80		0.24	0.50	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					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
BUCKETS, CONCRETE - GAR-BRO (CONT'D)													
LOW SLUMP - AIR OPERATED GATE													
1675	440-A 1.0 C.Y.	6,359	1.14			0.34	0.71	0.00	19				
1680	450-A 1.5 C.Y.	6,607	1.19			0.35	0.74	0.00	21				
1685	460-A 2.0 C.Y.	6,859	1.24			0.37	0.77	0.00	23				
1690	493-A 3.0 C.Y.	8,973	1.62			0.48	1.01	0.00	42				
1695	4139-A 4.0 C.Y.	9,314	1.68			0.50	1.05	0.00	52				
1700	4200-A 6.0 C.Y. DBL. COMPT.	13,461	2.43			0.72	1.51	0.00	72				
1705	4250-A 8.0 C.Y. DBL. COMPT.	16,122	2.92			0.86	1.82	0.00	80				
LAYDOWN - HEAVY DUTY - AIR GATE													
1715	425-A 1.0 C.Y.	7,177	1.30			0.38	0.81	0.00	26				
1720	465-A 2.0 C.Y.	8,010	1.45			0.43	0.90	0.00	31				
1725	495-A 3.0 C.Y.	9,274	1.67			0.49	1.04	0.00	40				
1730	4125-A 4.0 C.Y.	10,310	1.87			0.56	1.17	0.00	49				
1735	4155-A 5.0 C.Y.	12,068	2.17			0.64	1.35	0.00	60				
BUCKETS, DRAGLINE													
HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED													
1750	.75 C.Y.	3,396	0.63	0.80	0.18	0.40	0.00	0.47	0.00				
1755	1.0 C.Y.	4,029	0.74	0.94	0.22	0.47	0.00	0.55	0.00				
1760	1.5 C.Y.	4,912	0.90	1.16	0.26	0.57	0.00	0.68	0.00				
1765	2.0 C.Y.	5,798	1.07	1.36	0.31	0.68	0.00	0.80	0.00				
1770	2.5 C.Y.	6,812	1.25	1.61	0.36	0.79	0.00	0.95	0.00				
1775	3.0 C.Y.	8,399	1.55	1.99	0.45	0.98	0.00	1.17	0.00				
1780	3.5 C.Y.	9,288	1.71	2.19	0.50	1.08	0.00	1.29	0.00				
1785	4.0 C.Y.	11,309	2.09	2.67	0.61	1.32	0.00	1.57	0.00				
1790	4.5 C.Y.	12,006	2.22	2.84	0.64	1.40	0.00	1.67	0.00				
1795	5.0 C.Y.	14,491	2.68	3.42	0.78	1.69	0.00	2.01	0.00				

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

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

HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED (CONT'D)													
1800	6.0 C.Y.	15,711	2.90	3.71	0.84	1.83	0.00	2.18	0.00	90			
1805	7.0 C.Y.	17,173	3.18	4.05	0.92	2.01	0.00	2.38	0.00	101			
1810	8.0 C.Y.	19,037	3.53	4.49	1.02	2.23	0.00	2.64	0.00	112			
1815	9.0 C.Y.	21,991	4.06	5.19	1.17	2.56	0.00	3.05	0.00	128			
1820	10.0 C.Y.	23,900	4.42	5.63	1.28	2.79	0.00	3.31	0.00	139			
1825	12.0 C.Y.	29,389	5.43	6.94	1.57	3.43	0.00	4.08	0.00	166			
1830	14.0 C.Y.	33,792	6.24	7.96	1.80	3.94	0.00	4.68	0.00	191			
HENDRIX - MODEL TS, MEDIUM WEIGHT													
1840	.75 C.Y.	3,959	0.73	0.93	0.21	0.46	0.00	0.55	0.00	17			
1845	1.0 C.Y.	4,874	0.90	1.14	0.26	0.57	0.00	0.67	0.00	19			
1850	1.5 C.Y.	5,997	1.11	1.41	0.32	0.70	0.00	0.83	0.00	28			
1855	2.0 C.Y.	7,146	1.32	1.68	0.38	0.83	0.00	0.99	0.00	36			
1860	2.5 C.Y.	8,239	1.52	1.94	0.44	0.96	0.00	1.14	0.00	41			
1865	3.0 C.Y.	9,851	1.82	2.33	0.53	1.15	0.00	1.37	0.00	49			
1870	3.5 C.Y.	10,879	2.01	2.57	0.58	1.27	0.00	1.51	0.00	54			
1875	4.0 C.Y.	13,048	2.41	3.08	0.70	1.52	0.00	1.81	0.00	70			
1880	4.5 C.Y.	13,962	2.58	3.29	0.75	1.63	0.00	1.93	0.00	72			
1885	5.0 C.Y.	17,894	3.31	4.22	0.96	2.09	0.00	2.48	0.00	93			
1890	6.0 C.Y.	18,492	3.42	4.36	0.99	2.16	0.00	2.56	0.00	96			
1895	7.0 C.Y.	21,103	3.90	4.97	1.13	2.46	0.00	2.92	0.00	111			
1900	8.0 C.Y.	23,236	4.29	5.48	1.24	2.71	0.00	3.22	0.00	122			
1905	9.0 C.Y.	27,807	5.13	6.55	1.49	3.24	0.00	3.85	0.00	149			
1910	10.0 C.Y.	29,612	5.48	6.98	1.59	3.46	0.00	4.10	0.00	159			
1915	12.0 C.Y.	37,743	6.97	8.90	2.02	4.40	0.00	5.23	0.00	202			
1920	14.0 C.Y.	42,027	7.76	9.92	2.25	4.90	0.00	5.83	0.00	225			

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

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

HENDRIX - MODEL MH-S, HEAVY WEIGHT												
1930	2.75 C.Y.	15,825	2.92	3.74	0.84	1.84	0.00	2.20	0.00	69		
1935	3.0 C.Y.	16,458	3.04	3.88	0.88	1.92	0.00	2.28	0.00	72		
1940	3.5 C.Y.	18,425	3.40	4.34	0.99	2.15	0.00	2.55	0.00	81		
1945	4.0 C.Y.	24,641	4.56	5.82	1.32	2.88	0.00	3.42	0.00	110		
1950	4.5 C.Y.	27,547	5.08	6.50	1.47	3.21	0.00	3.82	0.00	123		
1955	5.0 C.Y.	28,447	5.26	6.71	1.52	3.32	0.00	3.94	0.00	127		
1960	6.0 C.Y.	30,464	5.63	7.18	1.63	3.56	0.00	4.22	0.00	136		
1965	7.0 C.Y.	38,726	7.16	9.13	2.07	4.52	0.00	5.37	0.00	175		
1970	8.0 C.Y.	39,829	7.36	9.39	2.13	4.65	0.00	5.52	0.00	180		
1975	9.0 C.Y.	50,639	9.36	11.94	2.71	5.91	0.00	7.02	0.00	234		
1980	10.0 C.Y.	52,587	9.71	12.40	2.81	6.13	0.00	7.29	0.00	243		
1985	12.0 C.Y.	62,544	11.56	14.75	3.35	7.30	0.00	8.67	0.00	289		
1990	14.0 C.Y.	66,682	12.32	15.72	3.57	7.78	0.00	9.24	0.00	309		
SAUERMAN - CRESCENT SCRAPER												
WITH DRAGLINE CONVERSION KIT												
2000	SC-1050-K 1.0 C.Y.	9,658	1.78	2.28	0.51	1.12	0.00	1.34	0.00	15		
2005	SC-1060-K 1.5 C.Y.	12,366	2.28	2.91	0.66	1.44	0.00	1.71	0.00	20		
2010	SC-1070-K 2.0 C.Y.	16,957	3.13	4.00	0.91	1.98	0.00	2.35	0.00	25		
2015	SC-1090-K 3.0 C.Y.	22,422	4.15	5.28	1.20	2.62	0.00	3.10	0.00	36		
2020	SC-1100-K 4.0 C.Y.	33,531	6.20	7.90	1.80	3.92	0.00	4.64	0.00	49		
2025	SC-1110-K 5.0 C.Y.	38,226	7.06	9.02	2.05	4.46	0.00	5.30	0.00	58		
2030	SC-1120-K 6.0 C.Y.	46,337	8.56	10.92	2.48	5.41	0.00	6.42	0.00	68		
2035	SC-1130-K 8.0 C.Y.	56,282	10.40	13.27	3.01	6.57	0.00	7.80	0.00	88		
2040	SC-1140-K 10.0 C.Y.	68,291	12.62	16.11	3.65	7.97	0.00	9.47	0.00	106		
2045	SC-1150-K 12.0 C.Y.	79,200	14.64	18.68	4.24	9.25	0.00	10.98	0.00	132		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT	
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.				
						AVERAGE	SEVERE	OWNER-SHIP		
COMPACTORS, MANUALLY OPERATED *****										
2055	TR-12 INGERSOLL-RAND RAMMER	3 HP G	1,668	0.99	0.12	0.28	0.31		1	
2060	BS45Y WACKER RAMMER	3 HP G	1,654	0.99	0.12	0.28	0.31		1	
2065	BS65Y WACKER RAMMER	4 HP G	3,003	1.60	0.21	0.50	0.41		2	
2070	GVR151Y WACKER RAMMER	5 HP G	2,340	1.49	0.16	0.39	0.52		2	
2075	GVR220Y WACKER RAMMER	6 HP G	3,003	1.86	0.21	0.50	0.62		2	
2080	VPG160B WACKER VIBRO PLATE	4 HP G	1,292	0.98	0.09	0.22	0.41		2	
2085	VPG260K WACKER VIBRO PLATE	7 HP G	1,838	1.57	0.13	0.31	0.73		3	
2090	BT-50 BOMAG TAMPING	4 HP G	1,842	1.18	0.13	0.31	0.41		1	
2095	BT-71 BOMAG TAMPING	4 HP G	2,292	1.34	0.16	0.38	0.41		2	
2100	BP-11K BOMAG VIBRO PLATE	4 HP G	1,640	1.11	0.12	0.28	0.41		3	
2105	BP-19/75 BOMAG VIBRO PLATE	5 HP D	3,105	1.45	0.21	0.52	0.26		4	
2110	BP-30 BOMAG VIBRO PLATE	5 HP D	5,634	2.37	0.39	0.94	0.26		5	
2115	BP-50 BOMAG VIBRO PLATE	7 HP D	8,352	3.50	0.58	1.40	0.36		9	
2120	BW-75E BOMAG WALK BEHIND S/D	5 HP D	7,198	2.95	0.50	1.21	0.26		10	
2125	BW-35 BOMAG WALK BEHIND D/D	4 HP D	8,943	3.51	0.61	1.49	0.21		11	
2130	BW-60SE BOMAG D/D ROLLER	8 HP D	12,375	5.01	0.85	2.06	0.41		20	
2135	BW-90SE BOMAG D/D ROLLER	13 HP D	15,590	6.52	1.07	2.61	0.67		30	
2140	VPG600 WACKER VIBRO PLATE	9 HP G	3,383	2.38	0.23	0.56	0.93		7	
2145	DPS2350 WACKER VIBRO PLATE	7 HP D	3,586	1.76	0.25	0.60	0.36		4	
2150	DPU5050 WACKER VIBRO PLATE	11 HP D	12,069	5.10	0.83	2.01	0.57		10	
2155	W 55 T WACKER D/D ROLLER	8 HP D	11,006	4.52	0.75	1.84	0.41		17	
2160	W 74 T WACKER D/D ROLLER	8 HP D	12,379	5.02	0.85	2.07	0.41		19	
CONCRETE BUGGIES - AEROIL *****										
2170	5 CF WALK-BEHIND	5 HP G	1,760	1.05	0.12	0.29	0.40		3	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT	
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL		
					AVERAGE	SEVERE	OWNER-SHIP	FUEL		
CONCRETE FINISHERS - BOMAG										
2180	MOD F46B4 GYRO TROWEL	7 HP G	1,450	1.18			0.10	0.24	0.57	2
2185	MOD RF2B4 DOUBLTROWEL	16 HP G	5,728	3.41			0.39	0.96	1.30	7
2190	MOD RF3B3 TRIPLTROWEL	16 HP G	7,385	3.90			0.51	1.24	1.30	9
CONCRETE MIXERS										
2200	PORTABLE CONCRETE MIXER 2.5 CF	1 HP E	669	0.26			0.04	0.09	0.05	2
2205	PORTABLE CONCRETE MIXER 3.5 CF	1 HP E	684	0.26			0.04	0.09	0.05	3
2210	PORTABLE CONCRETE MIXER 6.0 CF	7 HP G	2,056	1.34			0.13	0.32	0.57	7
2215	PORTABLE MORTAR MIXER 6.0 CF	7 HP G	1,647	1.23			0.11	0.26	0.57	6
CONCRETE PAVERS										
GMI										
2225	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANES, AND SIDEWALKS	142 HP D	130,832	33.00			6.97	14.70	5.23	263
2230	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP D	232,708	56.60			12.40	26.15	7.67	470
2235	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	410,852	94.39			21.89	46.17	9.21	720
GOMACO										
2245	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP G	26,627	11.81			1.41	2.97	4.89	91
2250	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	123,132	29.47			6.56	13.83	3.69	255
CONCRETE PLACERS, SHOTCRETE										
ALLENTOWN										
2260	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP D	24,652	6.91			1.46	3.37	0.65	45
2265	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP D	28,153	8.33			1.66	3.85	1.09	60

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

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

ALLENTOWN (CONT'D)												
2270	GR600 ROTARY GUN 1-6 CY/HR INCL. HOSE, REQ. 550 CFM COMP.	550CFM A	8,144	2.20		0.48	1.10	0.00	9			
2275	GR1200 ROTARY GUN 4-12 CY/HR INCL. HOSE, REQ. 770 CFM COMP.	770CFM A	15,894	4.24		0.94	2.18	0.00	18			
CHALLENGE SQUEEZ-CRETE												
2285	250-D FOR WET SHOTCRETE 25 CY/HR TRAILER MOUNTED INCL. HOSE	62 HP D	44,155	15.22		2.63	6.12	3.37	70			
CONCRETE PUMPS												

MORGEN												
2295	MOD 204-305 TRAILER MTD 60 CY/HR 110 HP D	52,578	20.62			3.12	7.27	5.98	70			
2300	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	143,502	53.12			8.51	19.77	13.76	255			
SCHWING												
2310	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	44,823	15.73			2.67	6.21	3.64	66			
2315	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	70,130	27.89			4.16	9.64	8.26	98			
2320	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	72,063	28.36			4.27	9.90	8.26	98			
2325	MOD BP 3000 TRAILER MTD 127 CY/HR 177 HP D	95,436	35.88			5.68	13.20	9.61	130			
2330	MOD BP 5000 TRAILER MTD 151 CY/HR 300 HP D	122,610	51.16			7.30	16.97	16.30	150			
2335	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	147,871	51.35			8.73	20.18	11.47	302			
2340	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	212,925	67.43			12.60	29.20	11.47	321			
2345	MOD BPL1200 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	261,377	84.82			15.45	35.79	15.66	408			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.						
					AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP						
CONCRETE SAWS *****															
FELKER (SAWBLADE WEAR NOT INCLUDED)															
2355	MOD 8BCC	5" DEPTH OF CUT 8 HP G	1,628	1.50			0.10	0.22	0.83	3					
2360	MOD 12WCC	5" DEPTH OF CUT 12 HP G	2,038	2.13			0.12	0.27	1.24	3					
2365	MOD 14TCC	5" DEPTH OF CUT 14 HP G	2,017	2.40			0.12	0.27	1.45	3					
2370	MOD 140MR	8" DEPTH OF CUT 14 HP G	4,524	3.00			0.26	0.60	1.45	6					
2375	MOD 185MR	8" DEPTH OF CUT 18 HP G	5,742	3.86			0.34	0.77	1.87	7					
2380	MOD 300MR	8" DEPTH OF CUT 30 HP G	6,499	5.67			0.38	0.86	3.11	7					
2385	MOD 350MCA	10" DEPTH OF CUT 35 HP G	9,511	7.09			0.57	1.27	3.63	12					
2390	MOD 665MCA	15" DEPTH OF CUT 65 HP G	12,780	12.00			0.76	1.71	6.74	14					
CRANES, SHOVEL, BACKHOE, DRAGLINE *****															
AMERICAN - CRAWLER TYPE															
	MOD 4120	DRAGLINE 1 CY 93 HP D 13'-7" CRAWLERS W/28" SHOES													
2400	DRAGLINE OR CLAMSHELL (LESS BUCKET)		198,135	34.35	42.15	9.80	19.62	2.71	22.33	3.43					
	MOD 597-C	1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES													
2405	DRAGLINE OR CLAMSHELL (LESS BUCKET)		275,549	41.65	49.27	12.58	23.50	3.32	25.83	4.20					
2410	CRANE 35-T W/65' BOOM		277,301	38.42	44.51	12.66	23.65	2.65	25.99	3.43					
	MOD 599-A	LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES													
2420	CRANE 50-T W/75' BOOM		302,091	41.57	48.13	13.79	25.76	2.65	28.32	3.43					
	MOD 5299-A	LIFTING CRANE T/C 125 HP D 17'-6" CRAWLERS W/36" SHOES													
2430	CRANE 60-T W/80' BOOM		315,068	43.53	50.40	14.38	26.87	2.91	29.53	3.76					
										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 OWNER-SHIP	COND. FUEL	SEVERE OWNER-SHIP	COND. FUEL	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D) *****								
	AMERICAN - CRAWLER TYPE (CONT'D)								
	MOD 797-C 2 CY T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES								
2440	DRAGLINE OR CLAMSHELL (LESS BUCKET)	376,539	57.36	67.86	17.20	32.12	4.89	35.29	6.19 1278
2445	CRANE 40-T W/75' BOOM	368,536	51.52	59.74	16.83	31.43	3.91	34.54	5.05 1262
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES								
2455	CRANE 60-T W/80' BOOM	390,366	50.18	56.94	16.83	29.72	3.91	31.95	5.05 1421
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES								
2465	CRANE 100T W/200' BOOM	477,831	60.35	68.31	20.60	36.38	3.91	39.11	5.05 1886
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES								
2475	CRANE 110-T W/200' BOOM	651,326	83.92	95.25	28.08	49.59	6.68	53.31	8.63 2792
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES								
2485	CRANE 125T W/270' BOOM	679,890	87.23	98.97	29.31	51.76	6.68	55.65	8.63 3150
2490	DRAGLINE OR CLAMSHELL (LESS BUCKET)	654,912	91.63	105.99	28.23	49.86	8.35	53.60	10.58 2950
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES								
2500	CRANE 150T W/280' BOOM	736,155	93.78	106.29	31.73	56.04	6.68	60.26	8.63 3400
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES								
2510	CRANE 165T W/290' BOOM	773,681	95.36	106.91	32.37	55.36	6.68	58.90	8.63 3580
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES								
2520	CRANE 225T W/280' BOOM	812,187	99.69	111.70	33.98	58.12	6.68	61.83	8.63 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	SEVERE	OWNER-SHIP	FUEL	AVERAGE COND.	
					AVERAGE	SEVERE	OWNER-SHIP	FUEL	AVERAGE COND.	
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D)									
	BUCYRUS ERIE - CRAWLER TYPE									
	MOD 25-B SER-3 HVY DUTY 1 CY 115 HP D 13'-11" CRAWLERS W/30" SHOES									
2535	DRAGLINE OR CLAMSHELL (LESS BUCKET)	209,888	37.01	45.47	10.39	20.78	3.35	23.67	4.24	647
2540	CRANE 28-T W/50' BOOM	214,517	30.48	35.40	9.79	18.29	2.68	20.11	3.46	651
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES									
2550	BACKHOE	272,017	57.52	73.51	14.49	30.66	4.89	36.27	6.43	792
2555	DRAGLINE OR CLAMSHELL (LESS BUCKET)	303,140	46.47	55.02	13.84	25.85	4.19	28.41	5.31	833
2560	CRANE 35-T W/60' BOOM	304,718	42.75	49.59	13.92	25.99	3.35	28.56	4.33	831
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES									
2570	SHOVEL	386,410	80.63	102.97	20.59	43.56	6.04	51.51	7.94	1279
2575	DRAGLINE OR CLAMSHELL (LESS BUCKET)	396,632	60.45	71.53	18.11	33.83	5.18	37.17	6.56	1192
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES									
2585	SHOVEL	553,175	103.28	126.88	27.37	54.77	6.96	62.36	9.15	1762
2590	BACKHOE	529,286	99.18	121.88	26.18	52.40	6.96	59.67	9.15	1727
2595	DRAGLINE OR CLAMSHELL (LESS BUCKET)	547,879	75.41	87.09	23.62	41.71	5.97	44.84	7.56	1570
2600	CRANE 51-T W/70' BOOM	535,825	68.14	77.21	23.10	40.79	4.77	43.85	6.16	1571
	MOD 61-B SER-2 110-T 4 CY T/C 243 HP D 20'-6" CRAWLERS W/42" SHOES									
2610	CRANE 110T W/160' BOOM	673,766	85.28	96.56	29.05	51.30	5.66	55.15	7.31	2123
2615	DRAGLINE OR CLAMSHELL (LESS BUCKET)	644,196	88.75	102.49	27.77	49.05	7.07	52.73	8.96	1973
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2625	SHOVEL	666,648	124.42	152.84	32.98	66.00	8.35	75.15	10.98	2096
2630	BACKHOE	630,479	118.22	145.27	31.19	62.42	8.35	71.07	10.98	2000

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.				
			AVERAGE	SEVERE							
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D)										
	BUCYRUS ERIE - CRAWLER TYPE (CONT'D)										
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES										
2635	DRAGLINE OR CLAMSHELL (LESS BUCKET)	598,234	83.12	96.08	25.79	45.54	7.16	48.96	9.07	1820	
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES										
2645	SHOVEL	946,999	174.01	208.31	44.04	86.88	12.39	96.77	16.29	2822	
2650	DRAGLINE OR CLAMSHELL (LESS BUCKET)	779,567	106.55	121.98	32.61	55.78	10.62	59.35	13.45	2274	
	LINK BELT - CRAWLER TYPE										
	MOD LS-98A LIFTING CRANE T/C 110 HP D 15'-1" CRAWLERS W/24" SHOES										
2665	CRANE 40-T W/50' BOOM	208,493	29.56	34.34	9.52	17.78	2.56	19.54	3.31	772	
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES										
2675	CRANE 60-T W/80' BOOM	329,164	42.98	48.87	14.19	25.06	3.84	26.95	4.96	1232	
	MOD LS-338 LIFTING CRANE T/C 171 HP D 20'-0" CRAWLERS W/38" SHOES										
2685	CRANE 100-T W/200' BOOM	452,751	57.53	65.16	19.52	34.47	3.98	37.06	5.14	1512	
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W/44" SHOES										
2695	CRANE 150-T W/250' BOOM	680,160	86.06	97.46	29.32	51.78	5.70	55.67	7.37	2712	
	MANITOWOC - CRAWLER TYPE										
	MOD 3900 VICON 3.5 CY T/C 287 HP D 20'-4" CRAWLERS W/38" SHOES										
2710	DRAGLINE OR CLAMSHELL (LESS BUCKET)	467,335	68.31	79.33	20.15	35.58	8.35	38.25	10.58	2306	
2715	CRANE 100T W/210' BOOM	514,292	67.98	77.43	22.17	39.16	6.68	42.10	8.63	2354	

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

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

	MANITOWOC - CRAWLER TYPE (CONT'D)									
	MOD 3900W VICON SER2 T/C 300 D 24'-0" CRAWLERS W/48" SHOES									
2730	CRANE 140T W/250' BOOM 300 HP D	607,538	79.19	90.02	26.19	46.25	6.98	49.72	9.02	2815
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
2740	DRAGLINE OR CLAMSHELL (LESS BUCKET)	786,612	110.61	128.00	33.91	59.89	10.48	64.39	13.27	3788
2745	CRANE 200T W/260' BOOM	845,226	105.52	118.54	35.36	60.48	8.38	64.35	10.83	3929
	MOD 4600 VICON SERIES 3 7 CY T/C 685 HP D 26'-1" CRAWLERS W/60" SHOES									
2755	CRANE 240T W/260' BOOM	1,250,628	160.54	181.06	52.32	89.49	15.95	95.21	20.60	5200
2760	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,237,776	172.97	198.50	51.78	88.57	19.93	94.23	25.25	5100
	NORTHWEST - CRAWLER TYPE									
	MOD 50-D/5045 1.5 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES									
2775	DRAGLINE OR CLAMSHELL (LESS BUCKET)	280,395	46.66	55.52	12.81	23.92	6.93	26.28	8.77	954
2780	CRANE 45-T W/60' BOOM	277,250	41.88	48.97	12.65	23.64	5.54	25.98	7.16	947
	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
2790	SHOVEL	464,099	98.84	126.32	24.73	52.31	8.93	61.87	11.74	1510
2795	DRAGLINE OR CLAMSHELL (LESS BUCKET)	399,832	63.85	75.81	18.25	34.10	7.65	37.48	9.69	1274
2800	CRANE 40-T W/50' BOOM	393,232	57.32	66.76	17.96	33.54	6.12	36.85	7.91	1267
	MOD 9570-WT 4.0 CY T/C 304 HP D 19'-0" CRAWLERS W/38" SHOES									
2810	DRAGLINE OR CLAMSHELL (LESS BUCKET)	453,732	67.22	78.17	19.56	34.54	8.85	37.14	11.21	1580
2815	CRANE 60-T W/50' BOOM	447,111	60.65	69.31	19.27	34.04	7.08	36.60	9.14	1565

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT	
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL	SEVERE OWNER-SHIP	COND. FUEL		
			AVERAGE	SEVERE							
	CRANES, SHOVEL, B/H, DRAGLINE (CONT'D)										
	NORTHWEST - CRAWLER TYPE (CONT'D)										
	MOD 180-D SERIES 2 5 CY T/C 358 HP D 18'-1" CRAWLERS W/36" SHOES										
2825	SHOVEL	750,458	143.41	176.46	37.12	74.30	12.15	84.60	15.97	2571	
2830	DRAGLINE OR CLAMSHELL (LESS BUCKET)	650,647	93.62	108.57	28.04	49.53	10.42	53.25	13.20	2365	
2835	CRANE 97.5-T W/170' BOOM	677,011	88.91	101.21	29.18	51.54	8.33	55.42	10.77	2464	
	MOD 190-D WT SERIES 3 T/C 456 HP D 21'-1" CRAWLERS W/54" SHOES										
2845	DRAGLINE 6.5 CY (LESS BUCKET)	694,691	99.66	114.68	29.06	49.71	13.27	52.89	16.81	2740	
2850	CRANE 100-T W/170' BOOM	731,807	98.08	111.92	31.55	55.71	10.62	59.90	13.71	2872	
	P & H - CRAWLER TYPE										
	MOD 5060 1.75 CY T/C 140 HP D 19'-8" CRAWLERS W/30" SHOES										
2865	DRAGLINE (LESS BUCKET)	307,969	46.98	55.62	14.06	26.26	4.07	28.87	5.16	989	
2870	CRANE 60-T W/80' BOOM	316,786	40.83	46.35	13.66	24.12	3.26	25.93	4.21	1157	
	MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES										
2880	DRAGLINE OR CLAMSHELL (LESS BUCKET)	384,273	59.45	70.44	17.55	32.77	5.76	36.02	7.30	1344	
2885	CRANE 70-T W/150' BOOM	399,071	52.04	59.17	17.20	30.38	4.61	32.66	5.95	1466	
	MOD 5100 3 CY T/C 236 HP D 21'-6" CRAWLERS W/36" SHOES										
2890	DRAGLINE OR CLAMSHELL (LESS BUCKET)	462,264	65.86	76.32	19.93	35.19	6.87	37.84	8.70	1775	
2895	CRANE 100-T W/210' BOOM	487,865	63.45	72.12	21.03	37.14	5.49	39.93	7.10	1850	
	MOD 5300A LIFTING CRANE T/C 378 HP D 32'-8" CRAWLERS W/48" SHOES										
2900	CRANE 300-T W/320' BOOM	1,434,700	172.38	192.51	60.02	102.66	8.80	109.22	11.37	5588	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
CRANES, HYDRAULIC SELF-PROPELLED																			
GROVE																			
2910	MOD RT58A	14 TON	112 HP D	110,587	19.97	4.84	9.02	4.13		410									
2915	MOD RT515	15 TON	115 HP D	118,670	21.13	5.19	9.70	4.24		418									
2920	MOD RT518	18 TON	115 HP D	134,256	23.29	5.87	10.93	4.24		452									
2925	MOD RT522	22 TON	115 HP D	146,933	24.92	6.42	11.98	4.24		498									
2930	MOD RT625	25 TON	156 HP D	195,391	32.70	8.55	15.97	5.75		560									
2935	MOD RT740	40 TON	170 HP D	272,625	44.43	11.91	22.15	6.27		758									
2940	MOD RT755	55 TON	170 HP D	325,119	51.63	14.17	26.32	6.27		839									
2945	MOD RT865	65 TON	208 HP D	400,134	63.12	17.48	32.55	7.67		1100									
2950	MOD RT980	80 TON	230 HP D	516,817	80.15	22.53	41.85	8.48		1320									
2955	MOD RT1650	165 TON	512 HP D	975,687	154.91	42.55	79.06	18.87		2400									
LORAIN																			
2965	MOD LRT150	15 TON	114 HP D	112,945	20.32	4.95	9.24	4.20		438									
2970	MOD LRT180	18 TON	121 HP D	121,771	21.77	5.34	9.98	4.46		450									
2975	MOD LRT330	33 TON	180 HP D	189,309	33.71	8.27	15.42	6.63		570									
P & H																			
2985	MOD OMEGA 115	15 TON	125 HP D	122,867	22.15	5.39	10.06	4.61		436									
2990	MOD OMEGA 118	18 TON	125 HP D	134,050	23.55	5.88	10.99	4.61		437									
2995	MOD OMEGA 120	20 TON	128 HP D	142,445	24.76	6.25	11.69	4.72		438									
3000	MOD OMEGA 122	22 TON	128 HP D	143,146	24.86	6.29	11.76	4.72		438									
3005	MOD OMEGA 25	25 TON	155 HP D	178,161	30.75	7.82	14.63	5.71		540									
3010	MOD OMEGA 30	30 TON	155 HP D	183,440	31.40	8.05	15.06	5.71		550									
3015	MOD OMEGA 35	35 TON	155 HP D	189,591	32.19	8.33	15.59	5.71		560									
3020	MOD OMEGA 40	40 TON	202 HP D	255,600	43.81	11.15	20.72	7.45		760									
3025	MOD OMEGA 45	45 TON	202 HP D	264,616	45.17	11.53	21.39	7.45		770									
3030	MOD OMEGA 50	50 TON	202 HP D	274,525	46.43	11.97	22.23	7.45		780									
3035	MOD OMEGA 65	65 TON	235 HP D	353,406	58.51	15.41	28.62	8.66		980									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE COND.		SEVERE COND.							
					AVERAGE	SEVERE	OWNER-SHIP	FUEL						
CRANES, HYD SELF-PROPELLED (CONT'D) *****														
PETTIBONE														
3045	MOD 16 MK P SERIES	8 TON	118 HP D	98,429	18.37		4.33	8.13	4.35	286				
3050	MOD 20 MK P SERIES	10 TON	118 HP D	101,700	18.86		4.48	8.39	4.35	302				
3055	MOD 25 MK P SERIES	12.5 TON	118 HP D	105,543	19.34		4.65	8.71	4.35	458				
3060	MOD 36 MK P SERIES	18 TON	118 HP D	122,407	21.74		5.36	10.01	4.35	494				
3065	MOD 60-SC P SERIES	30 TON	176 HP D	204,625	35.66		8.93	16.62	6.49	592				
3070	MOD 80-SC P SERIES	40 TON	176 HP D	225,301	38.75		9.80	18.17	6.49	862				
3075	MOD 100SC	50 TON	188 HP D	278,101	45.98		12.15	22.61	6.93	1050				
CRANES, HYDRAULIC TRUCK MOUNTED ***** (HP & FUEL LISTED EQUIP/CARRIER)														
BUCYRUS ERIE														
3085	30-XC	30 TON W/80' BOOM	130/210 HP D/D	206,004	31.15	36.21	8.72	15.78	6.27	17.00	8.02	552		
3090	60-XC	60 TON W/104' BOOM	197/238 HP D/D	358,726	51.50	59.64	15.22	27.60	8.93	29.74	11.50	783		
GROVE														
3100	TMS185	18 TON W/106' BOOM	172 HP D	197,679	32.64	38.95	8.92	17.12	6.34	18.87	8.34	442		
3105	TMS300	35 TON W/112' BOOM	203 HP D	238,692	36.43	42.73	10.11	18.28	7.48	19.69	9.85	705		
3110	TMS475	50 TON W/142' BOOM	213 HP D	297,453	43.36	50.59	12.60	22.84	7.85	24.61	10.33	776		
3115	TM875	80 TON W/146' BOOM	196/268 HP D/D	440,571	60.51	69.32	18.02	31.44	9.11	33.51	11.70	1200		
3120	TM1150	115 TON W/172' BOOM	196/315 HP D/D	678,576	86.32	97.90	27.84	48.80	9.44	52.03	12.09	1600		
3125	TM1400	140 TON W/173' BOOM	318/387 HP D/D	797,213	102.59	116.21	32.34	53.33	14.44	56.24	18.59	1880		
LINK BELT (FMC)														
3135	HTC-814	14 TON W/80' BOOM	216 HP D	182,289	33.08	39.83	8.21	15.74	7.96	17.34	10.48	482		
3140	HTC-835	35 TON W/101' BOOM	216 HP D	206,000	33.16	39.15	8.74	15.85	7.96	17.07	10.48	525		
3145	HTC-1055	55 TON W/120' BOOM	238 HP D	305,934	45.42	53.11	12.96	23.50	8.77	25.33	11.54	662		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.						
					AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND.	SEVERE COND.						
CRANES, HYDRAULIC TRUCK MTD (CONT'D)															
(HP & FUEL LISTED EQUIP/CARRIER)															
PETTIBONE															
3155	50TKLSPC 25 TON W/98' BOOM	210 HP D	194,032	34.14	40.97	8.75	16.79	7.74	18.50	10.18	500				
3160	80TKLS 40 TON W/144' BOOM	244 HP D	247,718	39.30	46.32	10.49	18.99	8.99	20.46	11.83	740				
3165	110 TK P 55 TON W/114' BOOM	238 HP D	267,815	41.22	48.43	11.35	20.55	8.77	22.15	11.54	825				
3170	140 TK P 70 TON W/116' BOOM	322 HP D	336,173	52.10	60.98	13.77	24.09	11.87	25.68	15.62	1155				
CRANES, TRUCK MOUNTED															
(HP & FUEL LISTED EQUIP/CARRIER)															
AMERICAN															
3180	5470 65 TON W/170' BOOM	115/238 HP D/D	410,641	53.92	61.71	17.38	31.44	5.91	33.87	7.53	1175				
3185	5530 75 TON W/170' BOOM	115/238 HP D/D	418,316	53.44	60.59	17.15	30.05	5.91	32.04	7.53	1245				
3190	7460 90 TON W/200' BOOM	213/230 HP D/D	514,628	68.19	77.84	21.13	37.07	9.47	39.52	12.21	1503				
3195	7530 125 TON W/220' BOOM	213/350 HP D/D	553,048	73.64	84.00	22.69	39.77	10.31	42.40	13.20	1696				
3200	8460 165 TON W/240' BOOM	268/350 HP D/D	792,702	98.79	111.37	32.21	53.24	12.34	56.16	15.86	2320				
3205	9530 220 TON W/260' BOOM	268/500 HP D/D	1,116,318	135.19	151.64	45.27	74.63	13.39	78.70	17.09	3480				
LINK BELT (PMC)															
3215	HC108C 50 TON W/150' BOOM	110/238 HP D/D	357,399	47.84	54.84	15.11	27.30	5.73	29.41	7.28	1197				
3220	HC218A 100 TON W/220' BOOM	165/318 HP D/D	531,263	68.62	77.95	21.80	38.24	8.31	40.78	10.61	1688				
3225	HC238B 140 TON W/230' BOOM	171/318 HP D/D	621,864	76.42	85.89	25.24	41.66	8.54	43.93	10.90	2220				
LORAIN															
3235	MC790 90 TON W/220' BOOM	210/270 HP D/D	486,691	65.55	74.94	19.96	34.99	9.64	37.31	12.40	1594				
3240	MC1400 140 TON W/230' BOOM	220/290 HP D/D	593,459	75.53	85.39	24.07	39.70	10.14	41.87	13.05	1950				
P & H															
3250	325TC 25 TON W/110' BOOM	83/190 HP D/D	248,594	36.23	42.39	11.21	21.52	4.39	23.72	5.58	645				
3255	430ATC 35 TON W/150' BOOM	86/210 HP D/D	277,397	36.97	42.37	11.76	21.33	4.64	23.00	5.89	763				
3260	440TC 40 TON W/170' BOOM	90/228 HP D/D	310,522	41.17	47.12	13.16	23.84	4.92	25.69	6.23	964				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	FUEL	OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
CRANES, TRUCK MOUNTED (CONT'D)																			
(HP & FUEL LISTED EQUIP/CARRIER)																			
P & H (CONT'D)																			
3265	650ATC	50 TON W/150' BOOM	135/236 HP D/D	400,386	53.68	61.64	16.94	30.63	6.63	33.02	8.48	1222							
3270	790BTC	90 TON W/200' BOOM	160/350 HP D/D	500,644	65.58	74.58	20.52	35.95	8.35	38.33	10.63	1606							
3275	9150	150 TON W/270' BOOM	210/350 HP D/D	657,154	82.14	92.56	26.68	44.05	10.20	46.45	13.05	1805							
3280	6250TC	300 TON W/320' BOOM	364/450 HP D/D	1,394,346	166.93	187.15	56.68	93.76	16.58	98.90	21.34	3928							
CRANES, TOWER																			
AMERICAN PECCO																			
MODEL SK135-2 FREE STANDING 60 HP E																			
7500# @ 132' RADIUS (L-2)																			
3290	7-S16 TOWER SECTS=103 FT HIGH			273,893	43.05		12.06	19.92	4.21		740								
OPT. 14'9-1/4" S16 TOWER SECT																			
3295	ADD TO BASIC CRANE FOR EA SECT			11,587	1.34		0.51	0.84	0.00		51								
3300	TOP CLIMBING OPT. ADD TO BASIC			43,656	5.05		1.93	3.18	0.00		118								
MODEL SK200 FREE STANDING 105 HP E																			
10600# @ 143' RADIUS (L-2)																			
3305	7-S16 TOWER SECTS=103 FT HIGH			344,395	55.95		15.18	25.06	7.37		883								
14'9-1/4" S16 TOWER SECTION																			
3310	ADD TO BASIC CRANE FOR EA SECT			11,587	1.34		0.51	0.84	0.00		51								
3315	TOP CLIMBING OPT. ADD TO BASIC			43,656	5.05		1.93	3.18	0.00		118								
MODEL SK400 FREE STANDING 105 HP E																			
18500# @ 162' RADIUS (L-2)																			
3320	6-S35 TOWER SECTS=116 FT HIGH			420,807	64.78		18.54	30.61	7.37		1216								
OPT. 19'4-1/4" S35 TOWER SECT.																			
3325	ADD TO BASIC CRANE FOR EA SECT			14,473	1.67		0.64	1.05	0.00		84								
3330	TOP CLIMBING OPT. ADD TO BASIC			44,227	5.12		1.95	3.22	0.00		223								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	FUEL					
			AVERAGE	SEVERE										
CRANES, TOWER (CONT'D)														
AMERICAN PECCO (CONT'D)														
	MODEL SK560 FREE STANDING 24500# @ 170' RADIUS (L-2)	165 HP E												
3335	6-S213 TOWER SECTS=116 FT HIGH	486,677	78.71		21.44	35.41	11.58			1547				
	OPT. 19'-4-1/4" S213 TOWER SECT													
3340	ADD TO BASIC CRANE FOR EA SECT	15,333	1.78		0.68	1.12	0.00			100				
3345	TOP CLIMBING OPT. ADD TO BASIC	86,046	9.95		3.79	6.26	0.00			252				
	MODEL SN355 FREE STANDING 12300# @ 165' RADIUS (L-2) WITH LUFFING BOOM	165 HP E												
3350	6-S35 TOWER SECTS=116 FT HIGH	512,685	81.72		22.59	37.30	11.58			2152				
	OPT. 19'-4-1/4" S35 TOWER SECT													
3355	ADD TO BASIC CRANE FOR EA SECT	14,473	1.67		0.64	1.05	0.00			84				
3360	TOP CLIMBING OPT. ADD TO BASIC	90,760	10.49		4.00	6.60	0.00			159				
	DRILLS, BLAST HOLE, CRAWLER MTD													
	GARDNER DENVER													
3370	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	70,135	14.70		3.74	7.92	0.00			91				
3375	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	66,299	13.94		3.53	7.49	0.00			93				
3380	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	72,907	15.24		3.88	8.23	0.00			95				
3385	AT3700A/PR66 ANGLE DRILL 4.0" HOLE 12' FEED	900CFM A	86,412	17.98		4.61	9.77	0.00		146				
3390	ATD5100/PR80H ANGLE DRILL 4.5" HOLE 20' FEED	1200CFM A	97,300	20.19		5.19	11.00	0.00		200				
	INGERSOLL-RAND													
3400	ECM350/VL140 3.5" HOLE 12' FEED 750CFM A	77,881	16.24		4.15	8.80	0.00			129				
3405	ECM350/VL671 4.0" HOLE 12' FEED 900CFM A	84,948	17.69		4.53	9.60	0.00			131				
3410	ECM 45 OY 3.0" HOLE 12' FEED 100 HP D	117,158	28.89		6.24	13.24	4.56			188				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
DRILLS, BLAST HOLE, CRLR MTD (CONT'D)													
SULLIVAN													
3420	MAVRICK/VCR350 2.5" HOLE 12' FEED 450CFM A	38,516	8.15		2.06	4.36	0.00		60				
3425	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	68,126	14.31		3.64	7.70	0.00		100				
3430	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	80,063	16.67		4.26	9.04	0.00		144				
3435	MUSTANG VCR280 5.0" HOLE 20' FEED1200CFM A	98,941	20.52		5.27	11.18	0.00		184				
3440	STALLION JH-6 5.5" HOLE 20' FEED 165 HP D	213,664	51.71		11.39	24.15	7.52		300				
DRILLS, CORE, AIR, COLUMN MOUNTED													
3450	LONGYEAR 24 WOLVERINE AX 700'	450CFM A	17,574	3.80		0.94	1.99	0.00					
3455	LONGYEAR 65D EX 600'	400CFM A	11,302	2.55		0.61	1.28	0.00					
3460	65D ROD PULLER 21" STROKE	400CFM A	1,681	0.58		0.09	0.19	0.00					
DRILLS, CORE, SKID MOUNTED													
ACKER													
3470	TEREDO MARK-II NX 1000' MAX	44 HP D	29,561	8.35		1.58	3.34	2.01					
3475	ACE MODEL C NX 725' MAX	20 HP D	20,036	5.11		1.07	2.27	0.91					
LONGYEAR													
3485	MOD 24 STD AX 675' MAX	12 HP G	16,720	4.61		0.89	1.89	1.11					
3490	MOD 34 NX 1000' MAX	31 HP G	25,397	8.36		1.36	2.87	2.86					
3495	MOD 34 NX 1000' MAX	40 HP D	30,290	8.27		1.61	3.42	1.82					
3500	MOD 38 NX 1800' MAX	54 HP D	34,861	9.97		1.86	3.94	2.46					
3505	MOD 44 NX 2500' MAX	60 HP D	41,809	11.70		2.23	4.73	2.74					
SPRAGUE AND HENWOOD													
3515	MOD 37-H NX 400' MAX	18 HP G	17,632	5.42		0.94	1.99	1.66					
3520	MOD 40-CL NX 1050' MAX	49 HP D	27,306	8.18		1.45	3.08	2.23					

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

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

INGERSOLL-RAND															
3530	MOD DM-25 6 3/4" DRILLMASTER CRNL. MOUNTED	210 HP D	242,404	47.70		11.06	20.70	9.57		500					
3535	MOD T4-BH 7-7/8" DRILLMASTER TRK. MOUNTED	304 HP D	319,401	65.71		14.51	27.03	13.86		550					
3540	MOD TH-60 WATER WELL DRILL TRK. MOUNTED	435 HP D	297,448	70.50		13.53	25.23	19.83		460					
ROBBINS															
3550	RRT 35 TK MTD 6-1/4" TO 8-0" 335/225 HP D/D	327,576	70.86		14.89	27.74	16.85			600					
3555	RRT 50 TK MTD 6-3/4" TO 9-0" 335 HP D	476,420	90.44		21.64	40.31	15.27			860					
3560	RRT 60 TK MTD 6-3/4" TO 9-7/8" 350 HP D	538,946	100.29		24.49	45.65	15.96			960					
3565	RR10S MTD ON D9H 6-3/4" - 9-0" 410 HP D	390,990	81.44		17.84	33.40	18.69			1160					
3570	RR10HD ON D9H 6-3/4" - 10-5/8" 410 HP D	453,726	90.36		20.70	38.76	18.69			1340					
3575	RR10XHD ON 41B 9-7/8" - 12-1/4" 524 HP D	627,432	103.25		26.22	44.95	23.89			1830					
3580	RR12E CRLR MTD 9-0" TO 12-1" 725/450 HP E/E	1,156,316	214.28		48.33	82.85	71.17			2605					
FORK LIFTS															

CATERPILLAR															
LC = LOAD CENTER															
3600	M20 ELECT 2000# @ 24" LC	18 HP E	16,183	4.77		0.86	1.80	1.26		54					
3605	M25 ELECT 2500# @ 24" LC	18 HP E	16,271	4.78		0.86	1.80	1.26		54					
3610	MC30 ELECT 3000# @ 24" LC	18 HP E	16,935	4.90		0.90	1.87	1.26		85					
3615	M40B ELECT 4000# @ 24" LC	32 HP E	23,521	7.53		1.25	2.61	2.25		95					
3620	M50B ELECT 5000# @ 24" LC	32 HP E	23,973	7.59		1.26	2.65	2.25		102					
3625	MC60B ELECT 6000# @ 24" LC	47 HP E	26,335	9.54		1.39	2.92	3.30		123					
3630	M70B ELECT 7000# @ 24" LC	53 HP E	32,732	11.33		1.73	3.62	3.72		134					
3635	M80B ELECT 8000# @ 24" LC	53 HP E	34,236	11.60		1.81	3.80	3.72		142					
3640	M100B ELECT 10000# @ 24" LC	53 HP E	36,085	11.92		1.92	4.03	3.72		160					
3645	V30D GAS 3000# @ 24" LC	37 HP G	15,619	6.26		0.83	1.74	2.78		37					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE	OWNER-SHIP	AVERAGE COND. FUEL	SEVERE COND. FUEL				
FORK LIFTS (CONT'D)													
CATERPILLAR (CONT'D)													
3650	V40C GAS 4000# @ 24" LC	48 HP G	20,829	8.27			1.10	2.29	3.61	41			
3655	V50C GAS 5000# @ 24" LC	48 HP G	21,253	8.38			1.11	2.29	3.61	45			
3660	V60E GAS 6000# @ 24" LC	63 HP G	29,444	11.24			1.56	3.25	4.74	52			
3665	V70E GAS 7000# @ 24" LC	63 HP G	29,757	11.30			1.57	3.29	4.74	56			
3670	V80E GAS 8000# @ 24" LC	63 HP G	30,942	11.51			1.64	3.42	4.74	59			
3675	V110 DIESEL 11000# @ 24" LC	66 HP D	44,538	11.11			2.35	4.91	2.43	82			
3680	V150 DIESEL 15000# @ 24" LC	70 HP D	47,941	11.91			2.52	5.29	2.58	92			
3685	V180B DIESEL 18000# @ 24" LC	125 HP D	63,546	17.33			3.33	6.92	4.61	114			
3690	V200B DIESEL 20000# @ 24" LC	125 HP D	69,226	18.35			3.63	7.56	4.61	124			
3695	V250B DIESEL 25000# @ 24" LC	125 HP D	70,957	18.67			3.72	7.75	4.61	154			
3700	V300B DIESEL 30000# @ 24" LC	125 HP D	79,678	20.30			4.17	8.67	4.61	165			
3705	R40 DIESEL 4000# @ 24" LC	68 HP D	27,553	8.14			1.44	3.00	2.51	107			
3710	R50 DIESEL 5000# @ 24" LC	68 HP D	28,213	8.25			1.47	3.07	2.51	112			
3715	R60 DIESEL 6000# @ 24" LC	68 HP D	34,160	9.32			1.79	3.74	2.51	128			
3720	R80 DIESEL 8000# @ 24" LC	68 HP D	35,449	9.63			1.85	3.81	2.51	138			
HYSTER - CHALLENGER													
3730	H30XL 3000# @ 24" LC	63 HP G	16,005	8.81			0.84	1.74	4.74	58			
3735	H60XL 6000# @ 24" LC	80 HP G	23,049	11.65			1.21	2.52	6.02	91			
3740	H110F 11000# @ 24" LC	116 HP G	45,455	19.07			2.40	5.03	8.73	163			
3745	H150H 15000# @ 24" LC	127 HP G	62,041	23.21			3.25	6.75	9.56	234			
3750	H200HS20000# @ 24" LC	PS 127 HP G	72,655	25.11			3.81	7.94	9.56	256			
3755	H250H 25000# @ 24" LC	PS 127 HP G	72,778	25.16			3.81	7.92	9.56	295			
3760	H300B 30000# @ 24" LC	PS 127 HP G	78,510	26.17			4.13	8.61	9.56	360			
3765	H460CS46000# @ 36" LC	PS 190 HP G	161,752	47.22			8.49	17.73	14.30	590			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT				
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL					
GENERATOR SETS, ELECTRIC													
# # # # # # # # # # #													
CATERPILLAR													
T = TURBOCHARGED													
TA = TURBOCHARGED AFTER COOLED													
SKID MOUNTED													
3780	MOD 3304B-T	240/480V 100 KW	148 HP D	16,489	10.27	13.06	0.99	2.29	5.46	2.54			
3785	MOD 3306B-T	240/480V 125 KW	187 HP D	21,620	13.13	16.70	1.29	3.00	6.89	3.33			
3790	MOD 3306B-TA	240/480V 150 KW	220 HP D	23,321	15.00	19.11	1.39	3.23	8.11	3.60			
3795	MOD 3406B-T	240/480V 200 KW	290 HP D	25,018	18.56	23.75	1.49	3.46	10.69	3.86			
3800	MOD 3406B-TA	240/480V 250 KW	370 HP D	28,648	22.98	29.48	1.71	3.97	13.64	4.42			
3805	MOD 3408B-T	240/480V 255 KW	370 HP D	33,995	24.12	30.82	2.03	4.71	13.64	5.24			
3810	MOD 3408B-TA	240/480V 310 KW	450 HP D	37,933	28.61	36.62	2.26	5.25	16.59	5.84			
3815	MOD 3412-T	240/480V 355 KW	500 HP D	45,884	32.58	41.63	2.74	6.36	18.43	7.07			
3820	MOD 3412-TA	240/480V 455 KW	650 HP D	62,367	42.92	54.81	3.71	8.63	23.96	9.61			
3825	MOD 3508	240/480V 600 KW	845 HP D	83,119	56.25	71.77	4.95	11.51	31.15	12.81			
3830	MOD 3512	240/480V 900 KW	1250 HP D	113,025	81.09	103.66	6.74	15.66	46.07	17.42			
3835	MOD 3516	480V 1100 KW	1450 HP D	148,615	97.78	124.67	8.85	20.58	53.45	22.91			
KOHLER													
3845	2.25MBM25	PORTABLE 2.25 KW	5 HP G	815	0.65	0.82	0.05	0.12	0.38	0.13			
3850	3.5MM65	PORTABLE 3.50 KW	8 HP G	1,283	1.01	1.29	0.08	0.18	0.60	0.19			
3855	5MM65	PORTABLE 5.00 KW	12 HP G	1,668	1.48	1.88	0.11	0.24	0.90	0.26			
ONAN													
SKID MOUNTED													
3870		120/240V 2.5 KW	6 HP G	1,471	0.87	1.10	0.09	0.20	0.45	0.23			
3875		120/240V 6.5 KW	14 HP G	3,317	2.00	2.53	0.20	0.46	1.05	0.51			
3880		120/240V 10.0 KW	20 HP G	3,623	2.63	3.34	0.22	0.50	1.50	0.56			
3885		120/240V 3.0 KW	6 HP D	3,838	1.08	1.33	0.23	0.53	0.22	0.59			
3890		120/240V 6.0 KW	12 HP D	5,095	1.63	2.00	0.31	0.71	0.44	0.78			
3895		120/240V 12.0 KW	22 HP D	7,334	2.55	3.18	0.43	1.01	0.81	1.13			

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					
GENERATOR SETS, ELECTRIC (CONT'D)													
ONAN (CONT'D)													
3900	120/240V 15 KW	27 HP D	7,505	2.83	3.51	0.45	1.04	1.00	1.15	1.31			
3905	120/240V 30 KW	63 HP D	11,135	5.24	6.60	0.66	1.54	2.32	1.72	3.06			
3910	120/240V 45 KW	87 HP D	14,724	7.10	8.94	0.88	2.04	3.21	2.27	4.22			
3915	120/240V 60 KW	102 HP D	16,928	8.24	10.41	1.01	2.34	3.76	2.61	4.95			
3920	120/240V 75 KW	162 HP D	20,145	11.67	14.82	1.20	2.79	5.97	3.10	7.86			
3925	120/240V 90 KW	162 HP D	21,110	11.87	15.07	1.26	2.92	5.97	3.25	7.86			
3930	120/240V 125 KW	210 HP D	24,399	14.77	18.77	1.45	3.38	7.74	3.76	10.18			
3935	120/240V 150 KW	276 HP D	28,902	18.73	23.89	1.72	4.00	10.17	4.46	13.39			
OVERLOWE													
3945	KP2250R	PORTABLE 2.25 KW	5 HP G	914	0.67	0.84	0.06	0.13	0.38	0.14			
3950	KP3000R	PORTABLE 3.00 KW	7 HP G	995	0.86	1.10	0.06	0.13	0.53	0.15			
3955	KP3750BIC	PORTABLE 3.75 KW	8 HP G	1,399	1.04	1.33	0.09	0.20	0.60	0.22			
3960	KP5000BIC	PORTABLE 5.00 KW	10 HP G	1,770	1.31	1.66	0.11	0.25	0.75	0.27			
3965	KP6500BICB	PORTABLE 6.50 KW	16 HP G	1,856	1.89	2.41	0.11	0.26	1.20	0.28			
3970	KP7500BICB	PORTABLE 7.50 KW	16 HP G	1,756	1.86	2.39	0.11	0.24	1.20	0.27			
GRADERS, MOTOR													
CATERPILLAR													
3985	MOD 120-G	POWER SHIFT ARTIC	125 HP D	104,379	20.99	26.26	5.12	9.81	4.24	11.11			
3990	MOD 130-G	POWER SHIFT ARTIC	135 HP D	119,804	23.68	29.58	5.89	11.29	4.58	12.79			
3995	MOD 12-G	POWER SHIFT ARTIC	135 HP D	129,095	25.04	31.25	6.35	12.16	4.58	13.77			
4000	MOD 140-G	POWER SHIFT ARTIC	150 HP D	131,366	26.10	32.63	6.46	12.35	5.09	13.99			
4005	MOD 14-G	POWER SHIFT ARTIC	180 HP D	185,231	35.60	44.46	9.05	17.23	6.11	19.51			
4010	MOD 16-G	POWER SHIFT ARTIC	250 HP D	265,542	50.77	63.36	12.97	24.65	8.49	27.89			
										11.15			
										581			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE	SEVERE COND.	AVERAGE COND.	SEVERE COND.	OWNERSHIP				
GRADERS, MOTOR (CONT'D)													
CHAMPION													
4020	MOD 710A	ARTICULATED	135 HP D	100,202	20.90	26.19	4.91	9.38	4.58	10.62	6.02	286	
4025	MOD 720A	ARTICULATED	152 HP D	119,718	24.53	30.72	5.87	11.22	5.16	12.69	6.78	335	
4030	MOD 730A	ARTICULATED	180 HP D	123,280	26.32	33.02	6.05	11.55	6.11	13.08	8.03	340	
4035	MOD 740A	ARTICULATED	210 HP D	135,449	29.43	36.97	6.64	12.71	7.13	14.40	9.37	345	
4040	MOD 710	NON-ARTICULATED	135 HP D	94,220	20.04	25.13	4.62	8.81	4.58	9.97	6.02	280	
4045	MOD 720	NON-ARTICULATED	152 HP D	104,238	22.29	27.99	5.10	9.73	5.16	11.02	6.78	315	
4050	MOD 730	NON-ARTICULATED	180 HP D	112,614	24.78	31.14	5.51	10.53	6.11	11.93	8.03	330	
4055	MOD 740	NON-ARTICULATED	210 HP D	127,676	28.32	35.60	6.27	11.98	7.13	13.56	9.37	345	
4060	MOD 760	NON-ARTICULATED	210 HP D	145,924	31.28	39.31	7.10	13.47	7.13	15.24	9.37	390	
FIAT-ALLIS													
4070	MOD-65B	DIRECT DRIVE	68 HP D	56,072	11.31	14.16	2.75	5.26	2.31	5.97	3.03	135	
4075	MOD-FG75	POWER SHIFT	130 HP D	87,333	18.78	23.57	4.28	8.16	4.41	9.24	5.80	300	
4080	MOD-FG85	POWER SHIFT	145 HP D	93,970	20.47	25.71	4.60	8.77	4.92	9.92	6.47	310	
4085	MOD-FG95	POWER SHIFT	160 HP D	100,560	22.25	27.98	4.90	9.30	5.43	10.52	7.14	330	
GALION													
4095	MOD 503-L	CONSTANT MESH	68 HP G	46,878	12.55	15.76	2.31	4.42	4.73	5.00	6.12	115	
4100	MOD T-500C	POWER SHIFT	145 HP D	99,681	21.22	26.62	4.89	9.36	4.92	10.60	6.47	281	
4105	MOD A-550	POWER SHIFT	175 HP D	134,341	27.68	34.64	6.60	12.64	5.94	14.31	7.81	320	
4110	MOD A-600	POWER SHIFT	197 HP D	139,324	29.39	36.83	6.85	13.11	6.69	14.84	8.79	323	
HOISTS													
BEEBE - AIR TUGGERS													
4120	2000P110-24	1.0 T 225 CFM RQD		6,022	1.24		0.32	0.68	0.00		5		
4125	5000P120-24	2.5 T 500 CFM RQD		9,621	2.01		0.51	1.08	0.00		16		
4130	10000P 50-24	5.0 T 500 CFM RQD		11,632	2.51		0.62	1.31	0.00		22		
4135	20000P 50-40	10.0 T 850 CFM RQD		30,127	6.13		1.61	3.40	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												
4145	BU-18 DOUBLE DRUM W/5/8" CABLE	100 HP D	71,057	18.06	3.79	8.01	3.69		85			
4150	G-70 DOUBLE DRUM W/7/8" CABLE	100 HP D	96,012	22.79	5.11	10.82	3.69		126			
4155	RB-80 DOUBLE DRUM W/1-1/8" CABLE	130 HP D	147,619	33.96	7.87	16.64	4.79		240			
4160	RB-90W DOUBLE DRUM W/1-3/8" CABLE	150 HP D	164,271	38.04	8.76	18.52	5.53		300			
HYDRAULIC EXCAVATOR, CRAWLER MOUNTED												
T/B = TELESCOPING BOOM												
B/H = BACKHOE												
BADGER (HOPTO)												
4180	MOD 211	1.25 CY B/H	160 HP D	161,163	37.12	47.55	8.58	18.16	5.43			
4185	MOD 311	1.88 CY B/H	235 HP D	232,038	53.64	68.71	12.37	26.16	7.98			
4190	MOD 900B	2.00 CY B/H	308 HP D	279,787	65.68	84.15	14.91	31.54	10.46			
4195	MOD 1900	5.00 CY B/H	616 HP D	583,953	125.56	155.69	28.88	57.81	20.91			
BUCKRUS ERIE												
4205	MOD 300-H	1.00 CY B/H	176 HP D	179,782	46.42	62.70	10.51	23.00	5.98			
4210	MOD 325-H	1.75 CY B/H	205 HP D	248,906	55.62	71.17	13.26	28.06	6.96			
4215	MOD 350-H	2.50 CY B/H	248 HP D	313,517	69.63	89.10	16.70	35.34	8.42			
4220	MOD 400-H	4.25 CY B/H	392 HP D	525,209	106.23	131.21	25.98	52.00	13.31			
CASE												
4230	MOD 880C "E" BOOM .63 CY	B/H	115 HP D	106,267	27.94	37.75	6.21	13.59	3.90			
4235	MOD 980B	1.00 CY B/H	165 HP D	131,112	35.57	48.00	7.67	16.77	5.60			
4240	MOD 1280	1.25 CY B/H	200 HP D	151,468	36.91	47.34	8.07	17.07	6.79			
CATERPILLAR												
4250	MOD 215B	.75 CY B/H	105 HP D	116,418	29.63	40.06	6.81	14.89	3.56			
4255	MOD 225	1.00 CY B/H	135 HP D	156,748	39.59	53.54	9.16	20.04	4.58			
4260	MOD 235	1.50 CY B/H	195 HP D	288,711	62.76	80.26	15.38	32.54	6.62			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D)																			
T/B = TELESCOPING BOOM B/H = BACKHOE																			
CATERPILLAR (CONT'D)																			
4265	MOD 245	2.50 CY B/H 325 HP D	448,914	98.49	125.95	23.93	50.61	11.03	59.84	14.50	1385								
GRADALL																			
4280	MOD G-660	.63 CY T/B 115 HP D	157,580	38.83	52.55	9.21	20.15	3.90	25.20	5.13	450								
4285	MOD G-660C	.88 CY T/B 145 HP D	165,071	41.83	56.57	9.65	21.11	4.92	26.41	6.47	452								
4290	MOD G-880C	1.00 CY T/B 145 HP D	196,291	48.46	65.56	11.47	25.10	4.92	31.39	6.47	536								
4295	MOD G-1000	1.25 CY T/B 272 HP D	265,689	61.53	78.82	14.16	29.95	9.23	35.42	12.14	787								
INSLEY																			
4310	MOD H1000C	1.25 CY B/H 180 HP D	149,208	35.66	45.72	7.95	16.82	6.11	19.89	8.03	517								
4315	MOD H2500C	2.25 CY B/H 290 HP D	269,894	63.07	80.80	14.38	30.42	9.85	35.98	12.94	931								
4320	MOD H3500C	3.50 CY B/H 390 HP D	379,419	81.16	100.60	18.77	37.56	13.24	42.77	17.40	1276								
JOHN DEERE																			
4330	MOD 490	.50 CY B/H 75 HP D	73,013	19.02	25.68	4.27	9.34	2.55	11.67	3.35	265								
4335	MOD 690 C	.875 CY B/H 125 HP D	104,270	27.98	37.79	6.09	13.33	4.24	16.68	5.58	400								
4340	MOD 790	1.00 CY B/H 155 HP D	134,674	35.85	48.42	7.87	17.22	5.26	21.55	6.92	510								
4345	MOD 890 A	1.875 CY B/H 210 HP D	222,871	50.88	65.13	11.88	25.12	7.13	29.71	9.37	880								
4350	MOD 990	2.125 CY B/H 260 HP D	251,515	58.36	74.74	13.40	28.35	8.83	33.53	11.60	912								
KOEHRING																			
4360	MOD 166 BANTAM	.88 CY B/H 108 HP D	117,688	30.04	40.62	6.88	15.05	3.67	18.83	4.82	374								
4365	MOD 266 BANTAM	1.13 CY B/H 143 HP D	156,272	35.50	45.45	8.33	17.62	4.85	20.83	6.38	514								
4370	MOD 366 BANTAM	1.25 CY B/H 210 HP D	188,393	44.34	56.79	10.04	21.24	7.13	25.11	9.37	612								
4375	MOD 566	1.50 CY B/H 240 HP D	274,790	61.96	79.30	14.65	30.98	8.15	36.63	10.71	834								
4380	MOD 666E	2.00 CY B/H 307 HP D	342,056	77.45	99.16	18.23	38.56	10.42	45.60	13.70	1075								
4385	MOD 866E	3.25 CY B/H 332 HP D	439,865	89.12	110.08	21.76	43.55	11.27	49.58	14.81	1306								
4390	MOD 1066E	4.00 CY B/H 420 HP D	546,619	111.05	137.20	27.04	54.11	14.26	61.62	18.74	1640								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D)														
***** T/B = TELESCOPING BOOM B/H = BACKHOE														
KOEHRING (CONT'D)														
4395	MOD 1166E	5.00 CY	B/H	464 HP	D	608,773	123.53	152.60	30.11	60.27	15.75	68.63	20.70	1890
4400	MOD 1266	5.50 CY	B/H	664 HP	D	886,214	176.41	212.78	41.21	81.30	22.54	90.56	29.63	2600
4405	MOD 1466	9.00 CY	B/H	832 HP	D	1,034,903	208.40	251.61	48.13	94.94	28.25	105.76	37.12	2900
KOMATSU														
4415	MOD PC 120-2	.65 CY	B/H	90 HP	D	73,866	19.90	26.87	4.32	9.45	3.06	11.82	4.02	256
4420	MOD PC 200 LC-2	1.05 CY	B/H	105 HP	D	114,892	26.10	33.41	6.13	12.96	3.56	15.31	4.69	448
4425	MOD PC 220 LC-2	1.31 CY	B/H	136 HP	D	146,998	33.45	42.82	7.83	16.57	4.62	19.59	6.07	514
4430	MOD PC 300 LC-2	1.73 CY	B/H	180 HP	D	181,832	41.86	53.61	9.69	20.50	6.11	24.24	8.03	690
4435	MOD PC 650-1	3.00 CY	B/H	410 HP	D	434,533	99.21	127.03	23.15	48.98	13.92	57.93	18.29	1433
UNIT														
4445	MOD H202CT SER II	1.25 CY	B/H	152 HP	D	147,846	34.27	43.89	7.88	16.67	5.16	19.71	6.78	475
4450	MOD H342	1.63 CY	B/H	228 HP	D	239,272	54.72	70.06	12.75	26.97	7.74	31.90	10.17	723
4455	MOD H471	1.75 CY	B/H	304 HP	D	296,253	68.64	87.91	15.79	33.40	10.32	39.49	13.56	972
HYDRAULIC EXCAVATOR, TRUCK MOUNTED														
***** (HP & FUEL LISTED EQUIP/CARRIER) T/B = TELESCOPING BOOM B/H = BACKHOE														
GRADALL														
4465	MOD G-660C	.88 CY	T/B	145/210 HP	D/G	181,954	32.71	39.30	8.20	15.74	7.74	17.35	10.14	422
4470	MOD G-880C	1.00 CY	T/B	145/210 HP	D/D	220,511	36.18	42.85	9.94	19.07	6.82	21.01	8.75	535
4475	MOD G-1000	1.25 CY	T/B	272/312 HP	D/D	289,201	47.92	56.36	12.26	22.22	12.22	23.94	15.75	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	OWNER-SHIP	FUEL	OWNER-SHIP	FUEL		
LAND CLEARING EQUIPMENT ***** (ADD TO TRACTOR)											
4485	FLECO LAND CLEARING RAKE FOR 123/235	D/G	18,398	3.56	4.51	0.98	2.08	0.00	2.47	0.00	67
4490	FLECO LAND CLEARING RAKE FOR 160/210	D/D	24,150	4.66	5.90	1.28	2.73	0.00	3.23	0.00	98
4495	FLECO LAND CLEARING RAKE FOR 272/312	D/D	35,844	6.90	8.74	1.91	4.05	0.00	4.80	0.00	138
4500	FLECO CLAMP RAKE FOR CAT 973 (ADD TO 977 LOADER)		18,465	3.72	4.65	0.99	2.10	0.00	2.47	0.00	58
LIGHTING SETS, TRAILER MOUNTED *****											
ALLMAND METALLIC VAPOR											
4510	MAXI-LITE III 4/1000W	15 HP D	13,708	5.09		0.79	1.70	0.73			29
OVER-LOWE METALLIC VAPOR											
4520	TM 352 2/1000W	3 KW	6 HP D	10,880	3.68		0.62	1.34	0.29		17
4525	TM 354 4/1000W	6 KW	12 HP D	14,380	5.12		0.83	1.79	0.58		22
4530	TM 356 6/1000W	8 KW	15 HP D	16,931	6.09		0.98	2.12	0.73		24
LOADERS, BELT *****											
KOLMAN											
4540	101XHD 24"X50' 355 T/Hr	28 HP D	29,463	7.72	10.14	1.52	3.03	1.03	3.55	1.36	116
OPTIONAL EQUIPMENT SELECT AS NEEDED											
4550	PLATE FEEDER DOZER TRAP MODEL 45		5,330	1.03	1.32	0.28	0.57	0.00	0.68	0.00	37
4555	BELT FEEDER DOZER TRAP MODEL 65		6,584	1.29	1.63	0.35	0.72	0.00	0.84	0.00	36
4560	WING WALLS STATIONARY		1,230	0.24	0.30	0.06	0.13	0.00	0.15	0.00	9
4565	TUNNEL EXTENSION W/WING WALLS		6,009	1.18	1.49	0.32	0.66	0.00	0.77	0.00	61
4570	SINGLE DECK SCREEN SB-70 7'X42		5,256	1.03	1.31	0.28	0.57	0.00	0.68	0.00	19
4575	DOUBLE DECK SCREEN DC-70-42 7'X42		6,409	1.25	1.59	0.34	0.69	0.00	0.82	0.00	27
4580	TRIPLE DECK SCREEN TC-70-42 7'X42		9,310	1.82	2.31	0.49	1.01	0.00	1.19	0.00	34
4585	XHD CONVEYOR JACKLEG		834	0.16	0.21	0.05	0.09	0.00	0.11	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 OWNER-SHIP	SEVERE OWNER-SHIP	FUEL	AVERAGE FUEL										
			AVERAGE	SEVERE															
LOADERS, BELT (CONT'D)																			
KOLMAN (CONT'D)																			
4590	101XHD 30"X50' 615 T/HR 42 HP D	31,871	9.00	11.87	1.64	3.26	1.55	3.82	2.04	135									
OPTIONAL EQUIPMENT SELECT AS NEEDED																			
4600	PLATE FEEDER DOZER TRAP MODEL 45	6,318	1.24	1.57	0.34	0.69	0.00	0.81	0.00	42									
4605	BELT FEEDER DOZER TRAP MODEL 65	6,974	1.36	1.74	0.37	0.76	0.00	0.90	0.00	40									
4610	WING WALLS STATIONARY	1,230	0.24	0.30	0.06	0.13	0.00	0.15	0.00	9									
4615	TUNNEL EXTENSION W/WING WALLS	6,009	1.18	1.49	0.32	0.66	0.00	0.77	0.00	61									
4620	SINGLE DECK SCREEN SB-80 8"X48	5,994	1.17	1.49	0.32	0.65	0.00	0.77	0.00	23									
4625	DOUBLE DECK SCREEN DC-80-48 8"X48	8,320	1.63	2.06	0.45	0.91	0.00	1.06	0.00	35									
4630	TRIPLE DECK SCREEN TC-80-48 8"X48	10,407	2.03	2.58	0.55	1.13	0.00	1.33	0.00	43									
4635	XHD CONVEYOR JACKLEG	834	0.16	0.21	0.05	0.09	0.00	0.11	0.00	9									
4640	101XHD 36"X50' 910 T/HR 56 HP D	36,637	10.85	14.37	1.88	3.71	2.06	4.35	2.72	160									
OPTIONAL EQUIPMENT SELECT AS NEEDED																			
4650	PLATE FEEDER DOZER TRAP MODEL 45	6,687	1.31	1.67	0.36	0.73	0.00	0.86	0.00	45									
4655	BELT FEEDER DOZER TRAP MODEL 65	7,465	1.46	1.85	0.40	0.81	0.00	0.95	0.00	42									
4660	WING WALLS STATIONARY	1,230	0.24	0.30	0.06	0.13	0.00	0.15	0.00	9									
4665	TUNNEL EXTENSION W/WING WALLS	6,009	1.18	1.49	0.32	0.66	0.00	0.77	0.00	61									
4670	SINGLE DECK SCREEN SB-90 9"X54	6,948	1.35	1.73	0.37	0.75	0.00	0.89	0.00	28									
4675	DOUBLE DECK SCREEN DC-90-54 9"X54	9,947	1.94	2.47	0.53	1.08	0.00	1.27	0.00	43									
4680	TRIPLE DECK SCREEN TC-90-54 9"X54	12,767	2.50	3.17	0.68	1.39	0.00	1.63	0.00	54									
4685	XHD CONVEYOR JACKLEG	834	0.16	0.21	0.05	0.09	0.00	0.11	0.00	9									
4690	101XHD 42"X50' 1260 T/HR 84 HP D	47,361	14.71	19.49	2.43	4.79	3.10	5.61	4.07	180									
OPTIONAL EQUIPMENT SELECT AS NEEDED																			
4700	PLATE FEEDER DOZER TRAP MODEL 45	7,827	1.53	1.95	0.42	0.85	0.00	1.01	0.00	48									
4705	BELT FEEDER DOZER TRAP MODEL 65	10,247	2.00	2.54	0.54	1.11	0.00	1.31	0.00	45									
4710	WING WALLS STATIONARY	1,230	0.24	0.30	0.06	0.13	0.00	0.15	0.00	9									
4715	TUNNEL EXTENSION W/WING WALLS	6,009	1.18	1.49	0.32	0.66	0.00	0.77	0.00	61									
4720	SINGLE DECK SCREEN SB-100 60"X10'	8,973	1.75	2.23	0.48	0.97	0.00	1.15	0.00	37									

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.							
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, BELT (CONT'D)														
KOLMAN (CONT'D)														
4725	DOUBLE DECK SCREEN DC-100 60"X10"	11,483	2.25	2.85	0.61	1.25	0.00	1.47	0.00	55				
4730	TRIPLE DECK SCREEN TC-100 60"X10"	17,761	3.47	4.42	0.94	1.93	0.00	2.28	0.00	68				
4735	XHD CONVEYOR JACKLEG	834	0.16	0.21	0.05	0.09	0.00	0.11	0.00	9				
4740	01XHD 48"X50' 1700 T/HR	128 HP D	83,526	23.42	30.45	4.36	8.75	4.72	10.28	6.21				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4750	PLATE FEEDER DOZER TRAP MODEL 45	11,392	2.22	2.83	0.60	1.23	0.00	1.46	0.00	51				
4755	WING WALLS STATIONARY	1,230	0.24	0.30	0.06	0.13	0.00	0.15	0.00	9				
4760	TUNNEL EXTENSION W/WING WALLS	6,365	1.24	1.58	0.34	0.69	0.00	0.81	0.00	66				
4765	SINGLE DECK SCREEN SB-120 60"X12'	10,580	2.07	2.62	0.57	1.15	0.00	1.35	0.00	53				
4770	DOUBLE DECK SCREEN DC-120 60"X12'	15,534	3.04	3.86	0.83	1.69	0.00	1.99	0.00	77				
4775	TRIPLE DECK SCREEN TC-120 60"X12'	21,960	4.29	5.44	1.17	2.39	0.00	2.80	0.00	80				
4780	XHD CONVEYOR JACKLEG	834	0.16	0.21	0.05	0.09	0.00	0.11	0.00	9				
4785	303 48"X50' 2000 CY/HR	125 HP D	146,067	38.75	51.37	7.50	14.86	4.61	17.42	6.06				
4790	303 48"X60' 2000 CY/HR	185 HP D	162,474	44.88	59.33	8.37	16.63	6.82	19.49	8.97				
4795	303 60"X50' 3600 CY/HR	185 HP D	167,862	47.73	63.79	8.57	16.88	6.82	19.77	8.97				
4800	303 60"X60' 3600 CY/HR	290 HP D	193,354	58.85	78.69	9.87	19.43	10.69	22.76	14.06				
4805	404 48"X50' 2000 CY/HR	185 HP D	180,727	48.35	63.71	9.35	18.63	6.82	21.86	8.97				
4810	404 48"X60' 2000 CY/HR	185 HP D	190,963	50.44	66.41	9.88	19.72	6.82	23.14	8.97				
4815	404 60"X50' 3600 CY/HR	290 HP D	216,790	62.24	82.46	11.17	22.20	10.69	26.03	14.06				
4820	404 60"X60' 3600 CY/HR	290 HP D	239,893	67.94	90.25	12.34	24.49	10.69	28.72	14.06				
OPTIONAL EQUIPMENT SELECT AS NEEDED														
4830	SINGLE DECK SCREEN SB-120 72"X12'	13,799	2.70	3.43	0.74	1.50	0.00	1.77	0.00	58				
4835	DOUBLE DECK SCREEN DC-120 72"X12'	18,138	3.54	4.50	0.97	1.97	0.00	2.32	0.00	85				
4840	TRIPLE DECK SCREEN TC-120 72"X12'	20,763	4.06	5.15	1.11	2.26	0.00	2.65	0.00	90				
4845	SINGLE DECK VIBRATING GRIZZLE 72"W	20,841	4.07	5.18	1.11	2.26	0.00	2.67	0.00	89				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
LOADERS, FRONT END, CRAWLER TYPE														
CASE														
4855	350 B	3/4 CY	39 HP D	40,815	11.52	14.48	2.18	4.62	1.55	5.47	2.04	105		
4860	455 C	1 CY	63 HP D	54,550	16.01	20.14	2.91	6.18	2.51	7.31	3.30	150		
4865	855 C	1-1/2 CY	78 HP D	71,078	20.63	25.95	3.79	8.05	3.10	9.52	4.09	236		
4870	1155 D	1-3/4 CY	110 HP D	95,884	28.08	35.35	5.12	10.86	4.37	12.85	5.76	282		
4875	1455 B	2-1/4 CY	140 HP D	113,842	33.87	42.65	6.07	12.89	5.57	15.25	7.33	360		
CATERPILLAR														
4885	931B	1 CY	65 HP D	42,546	13.36	16.85	2.27	4.82	2.59	5.70	3.40	160		
4890	943	1-1/2 CY	80 HP D	84,484	23.82	29.92	4.51	9.57	3.18	11.32	4.19	257		
4895	953	2 CY	110 HP D	106,401	30.50	38.36	5.68	12.05	4.37	14.26	5.76	300		
4900	963	2-1/2 CY	150 HP D	139,008	40.21	50.58	7.41	15.74	5.97	18.63	7.86	399		
4905	973	3-3/4 CY	210 HP D	197,009	56.83	71.48	10.51	22.31	8.35	26.40	11.00	540		
FIAT-ALLIS														
4915	FL5	1 CY	63 HP D	43,534	13.47	16.99	2.32	4.93	2.51	5.83	3.30	165		
4920	FL7	1-1/4 CY	78 HP D	52,805	16.42	20.72	2.82	5.98	3.10	7.07	4.09	198		
4925	FL9	1-5/8 CY	87 HP D	61,696	18.96	23.91	3.29	6.99	3.46	8.26	4.56	252		
4930	FL10C	2 CY	122 HP D	82,189	25.59	32.30	4.38	9.31	4.85	11.01	6.39	300		
4935	FL14C	2-5/8 CY	150 HP D	109,678	33.46	42.20	5.85	12.42	5.97	14.70	7.86	410		
4940	FL20	3-1/2 CY	223 HP D	156,625	48.26	60.88	8.35	17.74	8.87	20.99	11.68	585		
INTERNATIONAL														
4950	100-E	1-1/8 CY	65 HP D	51,038	15.31	19.28	2.72	5.78	2.59	6.84	3.40	161		
4955	125-E	1-3/8 CY	78 HP D	63,492	18.88	23.79	3.39	7.19	3.10	8.51	4.09	199		
4960	175-C	2 CY	130 HP D	99,263	29.96	37.77	5.29	11.24	5.17	13.31	6.81	338		
4965	250-C	2-3/4 CY	190 HP D	146,525	44.13	55.61	7.81	16.59	7.56	19.64	9.95	452		

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					
LOADERS, F.E., CRAWLER TYPE (CONT'D)													
JOHN DEERE													
4975	JD350-C	3/4 CY	42 HP D	38,591	11.18	14.08	2.06	4.37	1.67	5.18	2.20	119	
4980	JD455-D	1-1/4 CY	67 HP D	51,045	15.41	19.43	2.72	5.78	2.66	6.84	3.51	172	
4985	JD555-A	1-3/8 CY	78 HP D	63,092	18.79	23.67	3.36	7.14	3.10	8.45	4.09	188	
4990	JD655	2 CY	110 HP D	93,332	27.50	34.61	4.98	10.57	4.37	12.50	5.76	296	
4995	JD755-A	2-1/4 CY	130 HP D	107,663	31.89	40.16	5.74	12.19	5.17	14.42	6.81	320	
5000	JD855	2-3/4 CY	200 HP D	155,889	46.83	59.01	8.32	17.66	7.95	20.89	10.48	460	
KOMATSU													
5010	D31S-17	1.3 CY	66 HP D	45,438	14.06	17.76	2.42	5.14	2.62	6.09	3.46	156	
5015	D41S-3	1.6 CY	90 HP D	63,135	19.46	24.54	3.36	7.15	3.58	8.46	4.71	262	
5020	D53S-16	1.8 CY	110 HP D	81,252	24.72	31.17	4.33	9.20	4.37	10.89	5.76	300	
5025	D57S-1	2.1 CY	135 HP D	101,519	30.75	38.77	5.41	11.49	5.37	13.60	7.07	340	
5030	D75S-3	3.3 CY	200 HP D	147,777	44.96	56.69	7.88	16.74	7.95	19.80	10.48	485	
5035	D155S-1	5.9 CY	350 HP D	289,799	85.86	108.12	15.45	32.82	13.92	38.84	18.33	950	
LOADERS, FRONT END, WHEEL TYPE													
(ARTIC = ARTICULATED)													
BOBCAT													
5045	MOD 440	6 CWT. SKID STEER	16 HP G	8,593	3.17	4.09	0.46	0.92	1.20	1.07	1.57	21	
5050	MOD 443	6 CWT. SKID STEER	15 HP D	10,306	2.66	3.43	0.55	1.10	0.55	1.29	0.73	24	
5055	MOD 540	8 CWT. SKID STEER	23 HP G	11,645	4.38	5.63	0.61	1.25	1.73	1.47	2.25	31	
5060	MOD 543	8 CWT. SKID STEER	22 HP D	13,096	3.50	4.49	0.69	1.41	0.81	1.65	1.07	33	
5065	MOD 641	10 CWT. SKID STEER	28 HP D	15,448	4.23	5.43	0.81	1.66	1.03	1.95	1.36	39	
5070	MOD 642	10 CWT. SKID STEER	32 HP G	14,234	5.74	7.38	0.75	1.53	2.41	1.80	3.14	38	
5075	MOD 742	13 CWT. SKID STEER	34 HP G	16,386	6.31	8.11	0.86	1.76	2.56	2.08	3.33	45	
5080	MOD 743	13 CWT. SKID STEER	36 HP D	17,576	5.04	6.45	0.93	1.90	1.33	2.23	1.75	46	
5085	MOD 843	17 CWT. SKID STEER	54 HP D	22,610	7.03	9.15	1.18	2.39	1.99	2.81	2.62	63	
5090	MOD 974	37 CWT. SKID STEER	78 HP D	41,541	12.10	16.06	2.14	4.27	2.88	5.01	3.78	121	

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	FUEL	SEVERE OWNER-SHIP	FUEL										
			AVERAGE	SEVERE															
LOADERS, F.E., WHEEL TYPE (CONT'D)																			
CASE																			
5100	W-4	1/2 CY ARTIC	37 HP D	25,139	6.48	8.33	1.33	2.69	1.36	3.16	1.79	48							
5105	W-11	3/4 CY ARTIC	55 HP D	45,782	11.16	14.30	2.41	4.91	2.03	5.77	2.67	89							
5110	W-14	1-1/2 CY ARTIC	83 HP D	60,600	15.57	20.25	3.17	6.40	3.06	7.52	4.03	146							
5115	W-18 B	1-3/4 CY ARTIC	103 HP D	77,645	19.74	25.63	4.06	8.21	3.80	9.64	5.00	194							
5120	W-20 C	2 CY ARTIC	110 HP D	82,953	21.52	28.39	4.30	8.61	4.05	10.11	5.33	230							
5125	W-24 C	2-1/2 CY ARTIC	132 HP D	100,400	25.25	32.56	5.27	10.69	4.87	12.56	6.40	216							
5130	W-36	3-1/2 CY ARTIC	185 HP D	135,300	35.27	46.37	7.02	14.09	6.82	16.55	8.97	398							
CATERPILLAR																			
5140	910	1-1/4 CY ARTIC	65 HP D	49,719	12.67	16.50	2.59	5.23	2.40	6.15	3.15	145							
5145	920	1-3/4 CY ARTIC	80 HP D	69,745	17.01	22.02	3.65	7.39	2.95	8.69	3.88	186							
5150	930	2-1/4 CY ARTIC	100 HP D	79,893	19.98	25.91	4.18	8.45	3.69	9.93	4.85	212							
5155	950-B	3 CY ARTIC	155 HP D	127,742	31.73	41.23	6.67	13.49	5.71	15.87	7.52	328							
5160	966-D	4 CY ARTIC	200 HP D	174,145	42.96	56.04	9.08	18.30	7.37	21.50	9.70	426							
5165	980-C	5-1/4 CY ARTIC	270 HP D	234,868	54.46	71.13	11.31	22.85	9.95	26.06	13.09	598							
5170	988-B	7 CY ARTIC	375 HP D	341,065	76.75	99.95	16.28	32.64	13.82	37.19	18.19	892							
5175	992-C	13 CY ARTIC	690 HP D	693,468	155.02	204.53	32.83	65.26	25.43	74.29	33.46	1916							
CLARK																			
5185	35C	1-1/2 CY	85 HP D	60,551	15.60	20.23	3.17	6.41	3.13	7.54	4.12	180							
5190	45C	2 CY	110 HP D	70,983	18.79	24.35	3.72	7.53	4.05	8.85	5.33	206							
5195	55C	2-1/2 CY ARTIC	121 HP D	82,793	21.58	27.98	4.33	8.77	4.46	10.30	5.87	262							
5200	75C	3 CY ARTIC	154 HP D	121,103	30.69	40.12	6.30	12.70	5.68	14.93	7.47	313							
5205	125C	4 CY ARTIC	203 HP D	163,180	41.49	54.56	8.47	17.00	7.48	19.96	9.85	437							
5210	175C	5 CY ARTIC	279 HP D	221,895	52.85	69.26	10.67	21.52	10.28	24.54	13.53	565							
5215	275C	7 CY ARTIC	360 HP D	325,878	72.50	93.40	15.66	31.60	13.27	36.03	17.46	864							
5220	475C	12 CY ARTIC	612 HP D	611,245	135.27	176.76	29.12	58.23	22.56	66.33	29.68	1689							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	SEVERE OWNER-SHIP	COND. FUEL	SEVERE COND. FUEL										
			AVERAGE	SEVERE															
LOADERS, F.E., WHEEL TYPE (CONT'D)																			
FIAT-ALLIS																			
5230	345-B	1-1/2 CY ARTIC	80 HP D	54,030	14.16	18.39	2.82	5.71	2.95	6.71	3.88	151							
5235	FR-10	2-1/4 CY ARTIC	110 HP D	68,583	18.28	23.61	3.60	7.30	4.05	8.58	5.33	212							
5240	FR-12	2-1/2 CY ARTIC	127 HP D	75,390	20.60	26.79	3.94	7.96	4.68	9.35	6.16	230							
5245	FR-15	3 CY ARTIC	164 HP D	106,760	28.80	37.86	5.54	11.12	6.05	13.06	7.95	296							
5250	FR-20	4-1/2 CY ARTIC	223 HP D	165,000	42.86	56.33	8.57	17.20	8.22	20.20	10.82	445							
5255	945-B	6-1/2 CY ARTIC	335 HP D	254,277	60.02	78.35	12.12	24.27	12.35	27.64	16.25	666							
FORD																			
5265	445A	3/4 CY	48 HP D	25,411	7.27	9.50	1.33	2.66	1.77	3.11	2.33	73							
5270	555A	1 CY	62 HP D	32,143	9.19	11.94	1.68	3.39	2.29	3.98	3.01	78							
5275	A-62	1-1/2 CY	88 HP D	62,646	16.12	20.89	3.28	6.64	3.24	7.80	4.27	173							
5280	A-64	2 CY ARTIC	107 HP D	75,333	19.55	25.40	3.94	7.96	3.94	9.35	5.19	228							
5285	A-66	2-1/2 CY ARTIC	136 HP D	107,807	27.26	35.58	5.62	11.33	5.01	13.30	6.60	256							
INTERNATIONAL																			
5295	510B	1-3/8 CY	80 HP D	53,169	14.05	18.29	2.77	5.60	2.95	6.59	3.88	140							
5300	515B	1-5/8 CY	100 HP D	65,426	17.31	22.47	3.43	6.93	3.69	8.14	4.85	167							
5305	520B	2-1/4 CY ARTIC	120 HP D	75,995	20.34	26.43	3.97	8.03	4.42	9.43	5.82	232							
5310	530	2-3/4 CY ARTIC	155 HP D	110,827	28.77	37.55	5.78	11.65	5.71	13.69	7.52	291							
5315	540	3-3/4 CY ARTIC	189 HP D	154,181	39.06	51.40	8.00	16.05	6.97	18.86	9.17	360							
5320	550	5-1/4 CY ARTIC	209 HP D	217,991	53.26	71.06	11.22	22.33	7.70	26.19	10.14	544							
5325	560B	7-1/2 CY ARTIC	415 HP D	320,837	74.35	95.92	15.42	31.09	15.30	35.44	20.13	830							
5330	570	12 CY ARTIC	590 HP D	599,741	130.43	168.43	28.78	57.95	21.75	66.06	28.61	1350							
JOHN DEERE																			
5340	300B	3/4 CY	43 HP D	23,409	6.58	8.54	1.23	2.47	1.58	2.89	2.09	69							
5345	44C	1-1/2 CY	85 HP D	62,868	16.02	20.73	3.30	6.67	3.13	7.83	4.12	179							
5350	44C	2 CY ARTIC	105 HP D	76,253	19.37	24.94	4.01	8.14	3.87	9.57	5.09	197							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
LOADERS, F.E., WHEEL TYPE (CONT'D)																			
JOHN DEERE (CONT'D)																			
5355	644C	3 CY ARTIC	145 HP D	109,891	27.96	36.37	5.74	11.60	5.34	13.63	7.03	260							
5360	844	4-1/2 CY ARTIC	260 HP D	203,839	49.09	64.67	9.77	19.67	9.58	22.43	12.61	490							
KAWASAKI																			
5370	KSS-65Z	2.2 CY	104 HP D	65,064	17.58	22.96	3.39	6.83	3.83	8.03	5.04	225							
5375	KSS-70	3.0 CY	158 HP D	91,496	25.53	33.55	4.75	9.54	5.82	11.21	7.66	305							
5380	KSS-80ZII	3.5 CY	165 HP D	97,998	27.11	35.57	5.10	10.24	6.08	12.02	8.00	327							
5385	KSS-85ZII	4.0 CY	217 HP D	133,419	36.71	48.38	6.92	13.86	8.00	16.28	10.52	409							
5390	KSS-95ZII	5.5 CY	305 HP D	184,556	47.78	62.94	8.85	17.81	11.24	20.30	14.79	615							
5395	KSS-110Z	7.5 CY	383 HP D	289,967	69.09	90.84	13.76	27.41	14.12	31.21	18.58	864							
TEREX (GM)																			
5405	33C	2 CY	103 HP D	64,749	17.48	22.84	3.37	6.80	3.80	7.99	5.00	216							
5410	44C	2-1/2 CY	113 HP D	74,397	19.70	25.61	3.88	7.85	4.17	9.23	5.48	250							
5415	55C	3-1/4 CY	144 HP D	105,303	27.30	35.71	5.48	11.03	5.31	12.96	6.98	280							
5420	66C	4 CY	210 HP D	146,543	38.60	50.65	7.62	15.31	7.74	17.98	10.18	425							
5425	80C	5-1/2 CY	307 HP D	221,779	54.17	71.00	10.66	21.51	11.32	24.52	14.89	590							
5430	90B	7-1/2 CY	388 HP D	324,990	73.70	95.01	15.62	31.51	14.30	35.93	18.82	845							
TROJAN																			
5440	1500Z	1-3/4 CY ARTIC	93 HP D	59,111	15.97	20.91	3.08	6.19	3.43	7.27	4.51	180							
5445	1900Z	2-1/2 CY ARTIC	119 HP G	74,836	25.68	33.32	3.91	7.90	8.95	9.28	11.67	220							
5450	2000Z	3 CY ARTIC	160 HP D	99,881	27.12	35.52	5.20	10.46	5.90	12.29	7.76	306							
5455	4000	4-1/4 CY ARTIC	203 HP D	149,064	39.01	51.50	7.72	15.46	7.48	18.16	9.85	410							
5460	5500	5-1/2 CY ARTIC	285 HP D	219,384	53.04	69.81	10.53	21.19	10.51	24.15	13.82	616							
5465	7500	7 CY ARTIC	400 HP D	288,851	68.58	88.95	13.83	27.81	14.74	31.69	19.40	846							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNERSHIP	FUEL	OWNERSHIP				
LOADER/BACKHOE, WHEEL TYPE TRACTOR													
CASE													
5475	480D LDR/BHOE	7/8 CY FE BUCKET 24" B/H DIPPER	47 HP D	40,245	9.91	12.52	2.11	4.28	1.73	5.03	2.28	100	
5480	580D LDR/BHOE	1.0 CY FE BUCKET 24" B/H DIPPER	55 HP D	46,956	11.51	14.51	2.47	5.03	2.03	5.92	2.67	115	
5485	680H LDR/BHOE	1-1/4 CY FE BUCKET 30" B/H DIPPER	80 HP D	72,506	17.60	22.20	3.81	7.74	2.95	9.10	3.88	165	
5490	780B LDR/BHOE	1-3/4 CY FE BUCKET 30" B/H DIPPER	111 HP D	85,629	21.62	27.31	4.49	9.10	4.09	10.70	5.38	200	
JOHN DEERE													
5500	310B LDR/BH	3/4 CY FE BUCKET 24" B/H DIPPER	58 HP D	39,995	10.44	13.21	2.10	4.24	2.14	4.99	2.81	135	
5505	410B LDR/BH	1 CY FE BUCKET 24" B/H DIPPER	62 HP D	47,653	12.06	15.27	2.50	5.06	2.29	5.95	3.01	138	
5510	510B LDR/BHOE	1-1/8 CY FE BUCKET 24" B/H DIPPER	70 HP D	55,328	13.94	17.62	2.90	5.86	2.58	6.89	3.39	150	
5515	610B LDR/BH	1-1/3 CY FE BUCKET 24" B/H DIPPER	80 HP D	63,395	15.92	20.11	3.33	6.75	2.95	7.93	3.88	163	
5520	710B LDR/BHOE	1-1/2 CY FE BUCKET 30" B/H DIPPER	100 HP D	76,087	19.42	24.57	3.97	8.03	3.69	9.44	4.85	220	
LOADER/BACKHOE, CRLR TYPE TRACTOR													
CASE													
5530	350B LDR/BHOE	3/4 CY FE BUCKET 24" B/H DIPPER	39 HP D	53,823	14.51	18.21	2.87	6.09	1.55	7.22	2.04	141	
5535	450B LDR/BHOE	1 CY FE BUCKET 24" B/H DIPPER	53 HP D	64,095	17.65	22.15	3.42	7.26	2.11	8.59	2.78	167	
CATERPILLAR													
5545	931BLDR/BHOE	1 CY FE BUCKET 30" B/H DIPPER	65 HP D	54,954	16.21	20.39	2.93	6.22	2.59	7.36	3.40	207	

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.	SEVERE OWNER-SHIP									
			AVERAGE	SEVERE													
LOADER/BACKHOE ATTACHMENTS																	

HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE OR HYDRAULIC EXCAVATOR (ADD TO THE BASIC LOADER-BACKHOE OR EXCAVATOR)																	
5555	KENT RAM 555 W/NARROW CHISEL	4,981	1.94		0.32	0.72	0.00		6								
5560	KENT RAM 999 W/NARROW CHISEL	10,372	4.03		0.68	1.50	0.00		10								
5565	KENT RAM 2000 W/CHISEL-MIN 3/4CY B/H	20,073	7.76		1.30	2.90	0.00		22								
5570	KENT KHP-12 HYDRA-PAK TAMPER	5,208	1.75		0.34	0.75	0.00		9								
5575	KENT KHP-25 HYDRA-PAK MIN 3/4CY B/H	8,160	2.72		0.53	1.18	0.00		15								
PILE EXTRACTORS																	

MKT CORPORATION																	
5585	E2 700 FT-LBS 400CFM A	14,226	4.37		0.93	2.06	0.00		27								
5590	E4 1000 FT-LBS 550CFM A	21,416	6.52		1.39	3.10	0.00		47								
VULCAN																	
5600	400A 500 FT-LBS 450CFM A	18,305	5.56		1.19	2.64	0.00		30								
5605	800A 1000 FT-LBS 900CFM A	23,845	7.39		1.55	3.45	0.00		57								
5610	1200A 1640 FT-LBS 1350CFM A	27,985	8.87		1.82	4.05	0.00		97								
PILE HAMMERS, DIESEL																	

(FUEL NOT INCLUDED)																	
MKT CORPORATION																	
5620	DE-30B/20B (6-FT) 12,000 FT-LBS	35,871	10.43		2.33	5.19	0.00		74								
5625	DE-30B/20B (6-FT) 16,800 FT-LBS	40,093	11.65		2.61	5.80	0.00		82								
5630	DE-70B/50B (6-FT) 30,000 FT-LBS	65,843	19.10		4.28	9.53	0.00		138								
5635	DE-70B/50B (6-FT) 42,000 FT-LBS	69,928	20.28		4.55	10.12	0.00		158								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
PILE HAMMERS, SINGLE ACTING																			
VULCAN																			
5645	1	15000 FT-LBS	750CFM A	36,543	10.99	2.37	5.28	0.00		101									
5650	06	19500 FT-LBS	900CFM A	41,834	12.59	2.72	6.05	0.00		121									
5655	08	26000 FT-LBS	1100CFM A	48,027	14.48	3.13	6.95	0.00		175									
5660	010	32500 FT-LBS	1350CFM A	52,606	15.94	3.42	7.61	0.00		195									
5665	012	39000 FT-LBS	1500CFM A	58,834	17.64	3.82	8.51	0.00		287									
5670	014	42000 FT-LBS	1750CFM A	70,434	21.30	4.58	10.19	0.00		283									
5675	016	48750 FT-LBS	1750CFM A	83,555	25.09	5.43	12.09	0.00		320									
5680	020	60000 FT-LBS	2150CFM A	111,785	33.47	7.27	16.18	0.00		425									
5685	030	90000 FT-LBS	2350CFM A	164,863	48.93	10.72	23.86	0.00		575									
PILE HAMMERS, DOUBLE ACTING																			
MKT CORPORATION																			
5695	9-B-3	8750 FT-LBS	900CFM A	28,684	8.78	1.86	4.15	0.00		74									
5700	10-B-3	13100 FT-LBS	1200CFM A	32,431	10.03	2.11	4.70	0.00		114									
5705	11-B-3	19150 FT-LBS	1200CFM A	43,284	13.15	2.81	6.26	0.00		141									
5710	5 (SELF STOP)	1000 FT-LBS	375CFM A	10,928	3.41	0.71	1.58	0.00		17									
5715	6 (SELF STOP)	2500 FT-LBS	600CFM A	13,799	4.32	0.90	2.00	0.00		31									
5720	7 (SELF STOP)	4150 FT-LBS	750CFM A	17,237	5.41	1.12	2.49	0.00		50									
VULCAN																			
5730	50C	15100 FT-LBS	1250CFM A	46,407	14.08	3.01	6.71	0.00		153									
5735	65C	19200 FT-LBS	1450CFM A	53,224	16.17	3.46	7.70	0.00		153									
5740	80C	24450 FT-LBS	1750CFM A	57,076	17.43	3.71	8.25	0.00		184									
5745	100C	32900 FT-LBS	2050CFM A	69,907	21.31	4.55	10.12	0.00		232									
5750	140C	36000 FT-LBS	2150CFM A	86,557	26.18	5.63	12.53	0.00		287									
5755	200C	50200 FT-LBS	2550CFM A	125,473	37.63	8.15	18.15	0.00		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. OWNER-SHIP	FUEL	SEVERE COND. OWNER-SHIP	FUEL	
			AVERAGE	SEVERE					
PILE HAMMERS, VIBRATORY									
MKT CORPORATION									
5765	V5	WITH POWER PACK	59 HP D	62,917	21.06	4.09	9.10	2.17	110
5770	V16	WITH POWER PACK	156 HP D	118,182	41.77	7.68	17.10	5.75	215
5775	V20	WITH POWER PACK	295 HP D	173,749	64.60	11.30	25.14	10.87	257
5780	V30	WITH POWER PACK	550 HP D	187,022	80.84	12.16	27.06	20.27	350
5785	V36	WITH POWER PACK	650 HP D	237,421	100.28	15.43	34.34	23.96	450
PIPELAYER									
CATERPILLAR									
5795	561D	15 FT BOOM, 40,000 LB CAP 105 HP D	121,431	21.79	26.76	6.02	11.70	2.14	13.27
5800	571G	18 FT BOOM, 60,000 LB CAP 200 HP D	195,976	36.02	44.32	9.71	18.88	4.07	21.42
5805	572G	18 FT BOOM, 90,000 LB CAP 200 HP D	272,775	47.89	58.80	13.51	26.27	4.07	29.81
5810	583K	20 FT BOOM, 140,000 LB CAP 300 HP D	281,542	52.10	64.12	13.94	27.12	6.11	30.77
5815	594H	24 FT BOOM, 200,000 LB CAP 410 HP D	393,205	72.51	89.23	19.47	37.87	8.35	42.98
PUMPS, GROUT									
CHEM GROUT									
5825	CG-500	VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,483	3.23	0.74	1.73	0.00		11
5830	CG-550	AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,606	1.24	0.27	0.64	0.00		5
5835	CG-600	AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	18,414	4.86	1.10	2.55	0.00		18
5840	CG-620	COLLOIDAL ADD-ON TO CG-500	7,945	2.01	0.47	1.10	0.00		11

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.												
			AVERAGE	SEVERE															
PUMPS, WATER (FOR CORE DRILLS)																			
LONGYEAR																			
5850	520 RQG 5.7-20 GPM UP TO 600PSI	10 HP G	6,743	2.62		0.36	0.73	1.04		7									
5855	535 RQG 9.9-35 GPM UP TO 800PSI	15 HP G	8,514	3.64		0.45	0.92	1.56		10									
PUMPS, WATER, CENTRIFUGAL, DEWATERING																			
HOMELITE - SKID MOUNTED																			
5865	MOD 110S 1-1/2"-5000 GPH @ 30' H	2 HP G	467	0.37		0.03	0.05	0.21		1									
5870	MOD 111S 2" - 9000 GPH @ 22' H	3 HP G	602	0.52		0.03	0.06	0.31		1									
5875	MOD 120S 3" - 18000 GPH @ 20' H	8 HP G	1,116	1.31		0.06	0.12	0.83		2									
MARLOW - WHEEL MOUNTED																			
5885	MOD 4D2 465 GPM @ 20' HEAD	43 HP G	8,908	7.55		0.48	0.97	4.46		14									
5890	MOD 4C7 595 GPM @ 20' HEAD	30 HP D	5,115	3.08		0.28	0.56	1.54		10									
5895	MOD 6E4A 1100 GPM @ 20' HEAD	79 HP G	11,820	13.02		0.63	1.29	8.20		15									
5900	MOD 6E4A 1100 GPM @ 20' HEAD	60 HP D	17,011	7.41		0.91	1.85	3.08		24									
5905	MOD 8FA3 2320 GPM @ 20' HEAD	70 HP D	21,916	9.04		1.17	2.38	3.60		23									
5910	MOD 10FA61 2775 GPM @ 20' HEAD	68 HP D	23,251	9.14		1.23	2.52	3.50		30									
PUMPS, WATER, CENTRIFUGAL, TRASH																			
HOMELITE - SKID MOUNTED																			
5920	MOD 121TP 2" - 11500 GPH @ 20' H	5 HP G	969	0.86		0.05	0.10	0.52		1									
5925	MOD 120 3" - 23000 GPH @ 20' H	8 HP G	1,322	1.35		0.08	0.15	0.83		2									
5930	MOD 160TP 4" - 36500 GPH @ 20' H	16 HP G	2,711	2.69		0.14	0.29	1.66		4									

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

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

HOMELITE - SKID MOUNTED													
5940	MOD 111DP 2" - 1900 GPH @ 10' HD	3 HP G	1,214	0.63		0.06	0.13	0.31	1				
5945	MOD 111DP 3" - 4800 GPH @ 10' HD	3 HP G	1,351	0.66		0.08	0.15	0.31	2				
PUMPS, WATER, SUBMERSIBLE													

GORMAN-RUPP													
5955	MOD S2A1 2" - 138 GPM @ 20' HD	2 HP E	1,642	0.44		0.09	0.18	0.14	2				
5960	MOD S3A1 3" - 278 GPM @ 20' HD	5 HP E	2,345	0.85		0.12	0.25	0.35	3				
5965	MOD S4A1 4" - 860 GPM @ 40' HD	25 HP E	8,320	3.77		0.45	0.91	1.75	12				
5970	MOD S6A1 6" - 1950 GPM @ 40' HD	60 HP E	10,853	7.71		0.58	1.18	4.21	14				
HOMELITE													
5980	MOD SP200 2" - 13000 GPH @ 10' HD	2 HP E	1,335	0.40		0.08	0.15	0.14	1				
5985	MOD SP300 3" - 19000 GPH @ 15' HD	4 HP E	1,652	0.65		0.09	0.18	0.28	1				
RIPPER & HYDRAULIC BANK SLOPER													

(DOES NOT INCLUDE COST OF POINT WEAR)													
ATECO													
5995	LPAF-D8K PARALLEL LIFT		24,514	5.68	7.67	1.45	3.29	0.00	4.14				
6000	D-8K SHANKS EA		1,918	0.44	0.60	0.12	0.26	0.00	0.33				
6005	LPAF-D7G PARALLEL LIFT		18,368	4.26	5.75	1.09	2.46	0.00	3.10				
6010	D-7G SHANKS EA		839	0.19	0.26	0.05	0.11	0.00	0.14				
6015	V-LPRF-TD25E PARALLEL LIFT STD SVC		21,035	4.88	6.59	1.25	2.82	0.00	3.54				
6020	TD-25C SHANKS EA		1,901	0.43	0.59	0.11	0.25	0.00	0.32				
6025	V-LPRF-TD20E PARALLEL LIFT STD SVC		15,262	3.55	4.79	0.90	2.04	0.00	2.57				
6030	TD-20E SHANKS EA		1,218	0.27	0.37	0.07	0.16	0.00	0.20				
6035	PS-TD15C RADIAL LIFT		8,948	2.12	2.84	0.53	1.20	0.00	1.51				
6040	TD-15C SHANKS EA		486	0.12	0.15	0.03	0.07	0.00	0.08				
6045	V-LPRF 82-50 PARALLEL LIFT STD SVC		23,481	5.42	7.33	1.39	3.15	0.00	3.96				

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													
RIPPER & HYDR BANK SLOPER (CONT'D)																	
(DOES NOT INCLUDE COST OF POINT WEAR)																	
ATECO (CONT'D)																	
6050	82-50 SHANKS EA	1,901	0.43	0.59	0.11	0.25	0.00	0.32	0.00	8							
6055	V-LPREF-82-30B PARALLEL LIFT	20,880	4.83	6.53	1.23	2.80	0.00	3.52	0.00	89							
6060	82-30 SHANKS EA	2,580	0.59	0.79	0.16	0.35	0.00	0.43	0.00	8							
6065	HBS-HYDR BANK SLOPER 260-475 HP	9,227	1.82	2.28	0.50	1.05	0.00	1.23	0.00	28							
CATERPILLAR																	
6075	D-10 MULTI-SHANK BEAM	51,377	11.90	16.08	3.03	6.88	0.00	8.66	0.00	218							
6080	D-10 SHANKS EA	3,746	0.85	1.15	0.22	0.50	0.00	0.63	0.00	15							
6085	D-10 SINGLE-SHANK BEAM	54,741	12.66	17.11	3.24	7.34	0.00	9.23	0.00	209							
6090	D-9L MULTI-SHANK BEAM W/HYD-CONTROL	43,597	10.08	13.62	2.58	5.85	0.00	7.35	0.00	162							
6095	D-9L SHANKS EA	3,367	0.76	1.04	0.20	0.45	0.00	0.57	0.00	14							
6100	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK	40,569	9.38	12.68	2.39	5.43	0.00	6.84	0.00	156							
6105	D-8L MULTI-SHANK BEAM HYD-CONTROL	29,434	6.79	9.18	1.74	3.94	0.00	4.96	0.00	98							
6110	D-8L SHANKS EA	1,895	0.43	0.59	0.11	0.25	0.00	0.32	0.00	7							
6115	D-8L SINGLE-SHANK BEAM HYD-CNTL&SHANK	28,607	6.61	8.93	1.70	3.84	0.00	4.82	0.00	101							
6120	D-7G MULTI-SHANK BEAM HYD-CONTROL	16,443	3.82	5.15	0.97	2.20	0.00	2.77	0.00	57							
6125	D-7G SHANKS EA	981	0.22	0.30	0.06	0.13	0.00	0.16	0.00	3							
6130	D-6D MULTI-SHANK BEAM HYD-CONTROL	10,287	2.42	3.25	0.61	1.38	0.00	1.73	0.00	34							
6135	D-6D SHANKS EA	500	0.12	0.16	0.03	0.07	0.00	0.09	0.00	1							
6140	D-4E MULTI-SHANK BEAM HYD-CONTROL	6,353	1.52	2.04	0.38	0.85	0.00	1.07	0.00	22							
6145	D-4E SHANKS EA	269	0.07	0.09	0.02	0.04	0.00	0.05	0.00	1							
6150	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,718	0.69	0.92	0.16	0.36	0.00	0.46	0.00	7							
6155	D-3B SHANKS EA	142	0.02	0.05	0.00	0.01	0.00	0.03	0.00	1							
FIAT-ALLIS																	
6165	FD-50 W/HYD-CNTL AND 1 SHANK	55,361	12.87	17.37	3.27	7.42	0.00	9.33	0.00	280							
6170	FD-40 W/HYD-CNTL AND 2 SHANKS	43,551	10.11	13.64	2.58	5.84	0.00	7.34	0.00	200							

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND-BY	AVERAGE	OWNERSHIP	FUEL	SEVERE COND.				
			AVERAGE	SEVERE									
RIPPER & HYDR BANK SLOPER (CONT'D) ***** (DOES NOT INCLUDE COST OF POINT WEAR)													
FIAT-ALLIS (CONT'D)													
6175	FD-30 W/HYD-CNTL AND 2 SHANKS	33,003	7.61	10.29	1.96	4.43	0.00	5.57	0.00	108			
6180	RP20B W/HYD-CNTL AND 3 SHANKS	20,487	4.75	6.42	1.21	2.75	0.00	3.46	0.00	88			
ROLLER, RUBBER TIRED, SELF-PROPELLED *****													
FERGUSON													
6190	MOD SP-912	12 TON	85 HP D	39,268	11.50		2.07	4.33	3.13	99			
6195	MOD SP-915	15 TON	85 HP D	43,315	12.28		2.29	4.79	3.13	135			
6200	MOD SP-1118	18 TON	85 HP D	50,356	13.64		2.66	5.56	3.13	124			
6205	MOD SP-1130	30 TON	125 HP D	80,685	21.50		4.23	8.78	4.61	242			
INGRAM													
6215	9-2800-P	12 TON	76 HP D	34,373	10.15		1.82	3.79	2.80	73			
6220	9-2800-PA	12 TON	76 HP D	36,948	10.64		1.95	4.07	2.80	86			
6225	9-3400-P	15 TON	78 HP D	37,789	10.90		1.99	4.16	2.88	97			
6230	11-2700	15 TON	107 HP G	36,431	17.06		1.91	3.99	8.05	89			
6235	11-2700	15 TON	76 HP D	40,587	11.35		2.14	4.46	2.80	91			
6240	13-2300	15 TON	107 HP G	38,102	17.41		2.00	4.17	8.05	86			
6245	13-2300	15 TON	76 HP D	42,269	11.69		2.22	4.63	2.80	90			
6250	9-6000	27 TON	117 HP D	92,471	23.47		4.83	10.00	4.31	205			
TAMPO													
6260	SP-312	12 TON	68 HP D	37,518	10.39		1.98	4.13	2.51	66			
6265	SP-518	15 TON	68 HP D	46,473	12.12		2.45	5.12	2.51	95			
6270	SP-950	27 TON	130 HP D	95,859	24.67		5.02	10.41	4.79	198			
6275	SP-1070 M	35 TON	130 HP D	115,464	29.00		5.94	12.12	4.79	258			

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, RUBBER TIRED, TOWED												
FERGUSON												
6285	RT-100S	50 TON	63,436	12.14	3.04	5.75	0.00		200			
6290	RT-120S	60 TON	74,849	14.95	3.80	7.64	0.00		218			
SOUTHWEST												
6300	C 50	50 TON	76,590	14.84	3.76	7.30	0.00		344			
6305	C 75	75 TON	85,803	16.57	4.12	7.85	0.00		408			
6310	C 100XL	100 TON	117,638	22.90	5.83	11.43	0.00		601			
TAMPO												
6320	R-13	14 TON	9,485	1.92	0.48	0.96	0.00		35			
ROLLER, SHEEPSFOOT, DOUBLE DRUM, TOWED												
FERGUSON												
6330	MOD 112	40"X48" 3-7 TON	13,374	2.71	0.71	1.50	0.00		65			
6335	MOD 112W	40"X48" 4.5-8 TON	16,985	3.40	0.90	1.90	0.00		91			
6340	MOD 112W-48	48"X48" 5-10 TON	17,478	3.50	0.93	1.96	0.00		105			
6345	MOD 120	60"X60" 8-18 TON	26,172	5.17	1.40	2.94	0.00		157			
6350	MOD 120 MOD	60"X60" 8-18 TON	40,062	7.84	2.14	4.50	0.00		230			
6355	MOD 120-RE	60"X60" 16-20 TON	60,712	11.80	3.23	6.81	0.00		327			
6360	MOD 22	60"X72" 16-20 TON	39,624	7.75	2.11	4.44	0.00		215			
6365	MOD 22 MOD	60"X72" 16-20 TON	46,187	9.01	2.46	5.18	0.00		269			
6370	MOD 144-RE	60"X72" 19-24 TON	71,462	13.85	3.80	8.01	0.00		385			
TAMPO												
6380	H-1 TF	40"X48" 2.6TON	5,906	1.28	0.32	0.66	0.00		32			
6385	H-2 TF	40"X48" 5 TON	11,948	2.44	0.64	1.34	0.00		63			

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					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
ROLLER, SHEEPSFOOT, DD, SELF-PROPELLED													
CATERPILLAR													
6395	815 B	40.5"X38"	210 HP D	158,347	40.00	8.43	17.76	7.74	420				
6400	825C	51"X44"	310 HP D	238,710	60.00	12.72	26.78	11.43	633				
6405	825C	W/S BLADE	310 HP D	252,057	62.56	13.42	28.27	11.43	684				
HISTER													
6415	C455-B	TANDEM 80"X80" ARTIC	330 HP D	253,769	63.80	13.51	28.46	12.16	573				
ROLLER, SMOOTH WHEEL, SELF-PROPELLED													
FERGUSON													
6425	3-5 TON	TANDEM	52 HP D	26,385	7.45	1.41	2.96	1.92	77				
6430	4-6 TON	TANDEM	52 HP D	31,471	8.42	1.68	3.53	1.92	96				
6435	5-8 TON	TANDEM	85 HP D	48,101	13.12	2.57	5.40	3.13	136				
6440	8-10 TON	TANDEM	85 HP D	50,204	13.52	2.68	5.63	3.13	174				
6445	8-12 TON	TANDEM	85 HP D	52,459	13.95	2.79	5.88	3.13	176				
6450	10-14 TON	TANDEM	85 HP D	54,589	14.37	2.91	6.13	3.13	219				
INGRAM													
6460	12 TON EB 3 WHEEL 3" OVERLAP	107 HP G	52,492	20.05	2.79	5.88	8.05	194					
6465	12 TON EB 3 WHEEL 3" OVERLAP	85 HP D	56,354	14.70	3.00	6.32	3.13	196					
6470	14 TON EB 3 WHEEL 3" OVERLAP	107 HP G	55,644	20.66	2.96	6.24	8.05	221					
6475	14 TON EB 3 WHEEL 3" OVERLAP	85 HP D	59,506	15.30	3.17	6.67	3.13	223					
6480	4-6 TON FB 2 WHEEL	TANDEM	54 HP G	25,805	10.00	1.38	2.90	4.06	82				
6485	6-9 TON GB 2 WHEEL	TANDEM	107 HP G	34,961	16.70	1.87	3.93	8.05	133				
6490	6-9 TON GB 2 WHEEL	TANDEM	85 HP D	38,823	11.34	2.07	4.36	3.13	135				
6495	8-12 TON HB 2 WHEEL	TANDEM	107 HP G	42,384	18.12	2.26	4.76	8.05	171				
6500	8-12 TON HB 2 WHEEL	TANDEM	85 HP D	46,247	12.75	2.46	5.18	3.13	173				
6505	10-14 TON HB 2 WHEEL	TANDEM	107 HP G	45,680	18.76	2.44	5.13	8.05	203				
6510	10-14 TON HB 2 WHEEL	TANDEM	85 HP D	49,542	13.39	2.64	5.56	3.13	205				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL					
ROLLER, VIBRATORY, SINGLE DRUM, TOWED ***** TF = ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS														
DYNAPAC														
6520	CK-11	40HZ	30"X55"	5 TON	18 HP	G	12,980	5.81	0.77	1.72	1.87	31		
6525	CF-11	40HZ	TF 30"X55"	5 TON	18 HP	G	15,905	6.56	0.94	2.11	1.87	32		
6530	CH-47	27HZ	47"X74"	13 TON	43 HP	D	33,488	11.54	1.97	4.44	2.21	130		
6535	CF-47	27HZ	TF 47"X74"	13 TON	43 HP	D	36,717	12.36	2.16	4.86	2.21	135		
6540	CK-51	25HZ	59"X83"	24 TON	95 HP	D	51,223	19.62	3.02	6.79	4.88	221		
6545	CF-51	25HZ	TF 59"X83"	24 TON	95 HP	D	54,038	20.35	3.19	7.17	4.88	226		
FERGUSON														
6555	65	25HZ	TF 60"X72"	11 TON	49 HP	D	36,130	12.63	2.13	4.79	2.52	110		
6560	65T	30HZ	TF 44"X72"	11 TON	49 HP	D	39,265	13.43	2.31	5.20	2.52	127		
6565	230	25HZ	66"X78"	20 TON	77 HP	D	63,108	21.47	3.72	8.37	3.96	237		
6570	230T	25HZ	TF 66"X78"	21 TON	77 HP	D	68,837	22.95	4.06	9.13	3.96	268		
HISTER														
6580	C200B	30HZ	48"X60"	9 TON	39 HP	D	24,554	8.95	1.44	3.25	2.00	80		
6585	C210A	30HZ	TF 58"X60"	9 TON	39 HP	D	30,074	10.37	1.77	3.98	2.00	100		
RAYGO														
6595	SF-54A	TF 38HZ	30"X54"	7.5TON	30 HP	D	18,719	6.84	1.10	2.48	1.54	48		
6600	SM-54A	38HZ	30"X54"	7.5TON	30 HP	D	16,970	6.40	1.00	2.25	1.54	48		
SOUTHWEST														
6610	756	25HZ	TF 66"X78"	23.5TON	75 HP	D	78,593	25.31	4.63	10.42	3.86	240		
6615	566	33HZ	TF 56"X72"	25.5TON	50 HP	D	59,960	18.82	3.53	7.95	2.57	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 OWNER-SHIP				
ROLLER, VIB, SINGLE DRUM, SELF-PROPELLED ***** TF = ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS												
DYNAPAC												
6630	CA-15	29HZ	48"X66"	11 TON	73 HP	D	59,113	20.21	3.46	7.75	3.75	132
6635	CA-15A	42HZ	48"X66"	12 TON	85 HP	D	68,257	23.50	3.95	8.76	4.37	144
6640	CA-15PD	29HZ	TF 53"X66"	13 TON	85 HP	D	78,083	25.92	4.59	10.28	4.37	157
6645	CA-25A	40HZ	60"X84"	18 TON	125 HP	D	87,436	31.12	5.09	11.34	6.43	200
6650	CA-25	28HZ	60"X84"	18 TON	125 HP	D	81,488	29.57	4.75	10.58	6.43	200
6655	CA-25S	28HZ	61"X84"	22 TON	125 HP	D	87,649	31.15	5.11	11.40	6.43	225
6660	CA-25PD	28HZ	68"X84"	22 TON	125 HP	D	101,288	34.66	5.91	13.21	6.43	248
6665	CA-30	28HZ	61"X84"	22 TON	125 HP	D	90,420	31.87	5.28	11.77	6.43	242
6670	CA-30D	28HZ	61"X84"	22 TON	125 HP	D	97,929	33.81	5.72	12.77	6.43	252
FERGUSON												
6680	SP 266A	42HZ	48"X66"	15 TON	125 HP	D	84,949	30.34	5.01	11.26	6.43	225
6685	SP 75	30HZ	60"X84"	22.5 TON	85 HP	D	70,051	23.91	4.08	9.07	4.37	191
6690	SP 75D	30HZ	60"X84"	22.5 TON	120 HP	D	74,376	27.39	4.33	9.64	6.17	193
6695	SP 75DT	30HZ	TF 60"X84"	22.5 TON	120 HP	D	84,494	30.00	4.93	10.99	6.17	236
INGERSOLL RAND												
6705	SPF-56	30HZ	TF 56"X84"	21 TON	115 HP	D	90,100	31.10	5.26	11.73	5.91	222
6710	SP-60DD	25HZ	60"X100"	30 TON	203 HP	D	133,582	48.39	7.76	17.26	10.44	377
RAYCO												
6720	RASCAL 220A	30HZ	TF38"X48"	6 TON	70 HP	D	54,936	18.91	3.23	7.24	3.60	97
6725	RASCAL 303A	38HZ	48"X66"	8 TON	70 HP	D	54,731	18.88	3.20	7.16	3.60	137
6730	RASCAL 320A	25HZ	TF48"X60"	8 TON	80 HP	D	73,042	24.26	4.29	9.62	4.11	151
6735	RASCAL 320S	25HZ	48"X60"	8 TON	80 HP	D	63,140	21.72	3.70	8.28	4.11	144
6740	RUSTLER 304A	28HZ	48"X66"	8 TON	70 HP	D	61,902	20.83	3.58	7.91	3.60	130
6745	RUSTLER 404B	28HZ	59"X84"	13.5TON	88 HP	D	82,659	27.33	4.82	10.76	4.52	175

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															
ROLLER, VIBRATORY,SD,S/P (CONT'D)																			
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS																			
RAYGO (CONT'D)																			
6750	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	95,549	32.78		5.59	12.47	6.12			225									
6755	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	76,322	28.24		4.44	9.90	6.43			224									
6760	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	112,383	37.12		6.56	14.64	6.12			358									
6765	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	97,717	33.35		5.70	12.70	6.12			316									
6770	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	83,625	30.20		4.85	10.77	6.43			263									
TAMPO																			
6780	RS-16A 26HZ 48"X24" 7.5TON 68 HP D	63,674	21.17		3.68	8.15	3.50			124									
6785	RS-16 26HZ 48"X24" 8 TON 68 HP D	56,157	19.11		3.29	7.36	3.50			115									
6790	RS-16D 26HZ 48"X24" 8 TON 80 HP D	65,848	22.41		3.86	8.64	4.11			123									
6795	RR-16A 26HZ 48"X24" 9 TON 75 HP D	72,241	23.83		4.18	9.28	3.86			153									
6800	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	71,888	23.97		4.22	9.45	4.11			127									
6805	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	94,398	31.88		5.51	12.30	5.66			212									
6810	RS-28C 25HZ 60"X84" 15 TON 107 HP D	78,422	27.55		4.57	10.18	5.50			202									
6815	RS-28D 25HZ 60"X84" 15 TON 107 HP D	84,813	29.20		4.95	11.03	5.50			208									
6820	RR-28D 28HZ 60"X84"22.5TON 110 HP D	108,219	35.43		6.32	14.13	5.66			259									
ROLLER,VIB,DOUBLE DRUM,SELF-PROPELLED																			
***** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS																			
DYNAPAC																			
6830	LR-50 60HZ TANDEM 2 TON 16 HP D	11,130	3.94		0.65	1.47	0.82			25									
6835	CC-10 50HZ TANDEM 2 TON 34 HP D	29,455	9.88		1.73	3.90	1.75			50									
6840	CC-21 50HZ TANDEM 4 TON 71 HP D	69,421	22.69		4.10	9.21	3.65			137									
6845	CC-42II 42HZ TANDEM 12 TON 125 HP D	93,187	32.46		5.49	12.35	6.43			200									
6850	CC-50A 40HZ TANDEM 18 TON 155 HP D	112,684	39.51		6.65	14.94	7.97			310									

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

UNIV NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT			
			CONDITION		STAND- BY	AVERAGE COND.		SEVERE COND.				
			AVERAGE	SEVERE		OWNER- SHIP	FUEL	OWNER- SHIP	FUEL			
ROLLER, VIBRATORY, DD, S/P (CONT'D)												
TF-ROLLER W/TAMPING FEET												
VIBRATION FREQUENCY IN HERTZ												
DYNAMIC FORCE SHOWN IN TONS												
DINAPAC (CONT'D)												
6855	CC-50S 28HZ TANDEM 22 TON 181 HP D	136,213	47.33		8.02	18.05	9.31		342			
6860	CC-50PD 28HZ TF TANDEM 22 TON 181 HP D	157,850	52.91		9.31	20.93	9.31		419			
RAYGO												
6870	REBEL 1-36 40HZ TANDEM 2 TON 16 HP D	10,667	3.83		0.63	1.42	0.82		23			
6875	ROMPER 2-36 40HZ TANDEM 4 TON 35 HP D	24,551	8.69		1.44	3.25	1.80		40			
6880	RUSTLER 5604A 50HZ TANDEM 5.5TON 70 HP D	63,755	21.15		3.76	8.45	3.60		132			
6885	RUSTLER 7204A 38HZ TANDEM 8 TON 115 HP D	84,921	29.65		5.01	11.26	5.91		250			
6890	RANGER 2-66 38HZ TANDEM 8 TON 119 HP D	113,312	37.23		6.68	15.02	6.12		215			
TAMPO												
6900	RS-03 60HZ 36"X24" 2 TON 14 HP G	10,991	4.74		0.65	1.46	1.45		23			
6905	RS-144A 50HZ 42"X48" 8 TON 52 HP D	56,948	18.18		3.36	7.55	2.67		100			
6910	RS-166A 36HZ 48"X66" 16 TON 80 HP D	84,723	27.23		4.99	11.23	4.11		200			
6915	RS-188A 36HZ 60"X84" 30 TON 156 HP D	107,450	38.24		6.34	14.25	8.02		320			
6920	RR-199 25HZ 60"X96" 45 TON 262 HP D	191,315	67.00		11.28	25.36	13.47		491			
SCRAPERS, SELF-PROPELLED												
(CAPACITY AS RECOMMENDED BY MFOR												
HP & FUEL LISTED TRACTOR/SCRAPER												
PP = PUSH PULL ATTACHMENT)												
CATERPILLAR												
6930	613-B 13 T 11 CY P.S. 150 HP D	125,063	33.06	42.87	6.48	13.34	5.67	15.73	7.42	307		
6935	615 19 T 14-16 CY P.S. 250 HP D	207,705	54.01	70.62	10.73	22.71	9.46	26.88	12.37	525		
6940	621-B 24 T 14-20 CY P.S. 330 HP D	263,827	65.82	85.92	13.67	29.04	11.20	34.37	14.72	662		
6945	623-B 25 T 22 CY P.S. 330 HP D	293,556	74.51	97.09	15.22	32.33	12.48	38.28	16.33	720		
6950	627-B 24 T 14-20 CY P.S. 225/225 HP D/D	302,737	82.07	107.99	15.75	33.58	16.15	39.77	20.95	733		
6955	627-B PP 24 T 14-20 CY P.S. 225/225 HP D/D	321,428	85.43	112.17	16.75	35.76	16.15	42.36	20.95	776		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT				
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.	OWNER-SHIP	FUEL					
SCRAPERS, SELF-PROPELLED (CONT'D) <small>oooooooooooooooooooo</small> (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)													
CATERPILLAR (CONT'D)													
6960	631-D 37.5T 21-31 CY P.S.	450 HP D	404,556	98.20	128.05	20.99	44.61	15.28	52.81	20.08	934		
6965	633-D 37.5T 34 CY P.S.	450 HP D	460,936	112.48	145.84	23.99	51.18	17.02	60.63	22.26	1042		
6970	637-D 37.5T 21-31 CY P.S. 450/250 HP D/D	496,931	131.83	172.85	25.92	55.39	25.12	65.62	32.59	1053			
6975	637-D PP 37.5T 21-31 CY P.S. 450/250 HP D/D	518,472	135.71	177.67	27.08	57.90	25.12	68.60	32.59	1077			
6980	639-D 37.5T 24-34 CY P.S. 450/250 HP D/D	570,979	147.75	194.39	29.73	63.40	25.12	75.10	32.59	1223			
6985	651-E 52 T 32-44 CY P.S.	550 HP D	529,247	127.07	165.88	27.42	58.23	18.67	68.93	24.54	1308		
6990	657-E 52 T 32-44 CY P.S. 550/400 HP D/D	645,835	173.77	228.19	33.65	71.83	34.10	85.09	44.23	1516			
FIAT-ALLIS													
7005	161 18.7 T 15 CY P.S.	229 HP D	178,918	46.69	60.76	9.29	19.75	8.66	23.38	11.33	466		
7010	260B 25.0 T 15-21 CY P.S.	325 HP D	235,815	60.33	78.88	12.20	25.89	11.03	30.65	14.50	585		
7015	261B 26.5 T 23 CY P.S.	325 HP D	266,055	68.23	88.53	13.85	29.53	12.29	34.97	16.08	635		
7020	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	286,057	80.20	105.14	14.92	31.86	17.80	37.74	23.09	679			
7025	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	341,838	90.71	118.54	17.87	38.25	17.80	45.33	23.09	742			
INTERNATIONAL													
7035	412B 13 T 11 CY P.S.	125 HP D	128,949	32.21	41.55	6.71	13.88	4.73	16.37	6.18	335		
7040	431B 24 T 14-21 CY P.S.	326 HP D	253,146	63.76	83.37	13.10	27.79	11.07	32.90	14.55	609		
7045	433B 24 T 14-21 CY P.S. 326/185 HP D/D	297,292	83.84	110.35	15.46	32.94	18.34	39.02	23.79	700			
7050	442B 25 T 22 CY P.S.	326 HP D	282,961	71.94	93.56	14.70	31.27	12.33	37.03	16.13	680		
JOHN DEERE													
7060	JD762A 13.7 T 11 CY P.S.	175 HP D	131,990	35.42	45.72	6.87	14.22	6.62	16.77	8.66	355		
7065	JD862 20.0 T 16 CY P.S.	250 HP D	179,855	47.92	62.34	9.34	19.86	9.46	23.51	12.37	492		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	OWNER-SHIP	AVERAGE COND.	SEVERE COND.		
			AVERAGE	SEVERE			FUEL	OWNER-SHIP	FUEL	
	SCRAPERS, SELF-PROPELLED (CONT'D) ***** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	TEREX (GM)									
7075	S-23E 26.5T 23 CY P.S. 310 HP D	259,071	66.84	87.18	13.41	28.48	11.73	33.72	15.34	660
7080	S-24B 40.8T 24-34 CY P.S. 475 HP D	412,289	101.76	133.25	21.30	45.11	16.13	53.39	21.19	955
7085	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	264,568	66.95	88.18	13.77	29.35	10.34	34.76	13.41	544
7090	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	448,874	119.22	156.77	23.37	49.85	22.22	59.05	28.82	960
7095	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	528,432	139.92	184.02	27.51	58.67	25.73	69.48	33.38	1084
	SCRAPER, TRACTOR DRAWN *****									
	ROME									
7110	R67H 18T 12-17CY HYDR/CONTROL	74,364	12.56	15.11	3.54	6.82	0.00	7.74	0.00	235
7115	R89H 27T 18-26CY HYDR/CONTROL	98,588	16.99	20.52	4.64	8.79	0.00	9.95	0.00	365
	SOUTHWEST-HUME									
7125	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	37,922	6.48	7.81	1.79	3.41	0.00	3.86	0.00	137
	SOIL STABILIZER *****									
	BOMAG									
7135	MOD MPH-50 12"DEEP BY 82"WIDE 152 HP D	95,169	25.64	33.31	5.03	10.54	5.75	12.44	7.52	208
7140	MOD MPH-100 14.5"DEEP X 79"WIDE 304 HP D	154,639	44.96	58.76	8.13	16.98	11.50	20.04	15.04	300
	BROS									
7150	MOD LSFRM-8A MASTER MIXER 19" DP 335 HP D	140,441	42.58	54.98	7.46	15.69	12.67	18.53	16.57	300

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT								
			CONDITION		STAND-BY	OWNER-SHRT	FUEL	OWNER-SHRT									
			AVERAGE	SEVERE													
TRACTOR, CRAWLER (DOZER)																	

CATERPILLAR																	
7160	D-3B P.S.	65 HP D	37,610	11.49	14.74	2.00	4.11	2.59	4.84	3.40	136						
7165	3P POWER ANGLE & POWER TILT		8,915	1.76	2.21	0.48	1.01	0.00	1.19	0.00	26						
7170	D-4E P.S.	80 HP D	54,822	15.96	20.44	2.92	6.00	3.18	7.06	4.19	202						
7175	4A ANGLE BLADE HYDRAULIC		10,623	2.07	2.62	0.56	1.20	0.00	1.42	0.00	28						
7180	4S STRAIGHT BLADE HYDRAULIC		8,338	1.65	2.07	0.45	0.95	0.00	1.11	0.00	25						
7185	D-5B P.S.	105 HP D	85,383	23.78	30.43	4.54	9.33	4.18	10.99	5.50	247						
7190	5A ANGLE BLADE HYDRAULIC		14,069	2.72	3.45	0.75	1.59	0.00	1.89	0.00	43						
7195	5S STRAIGHT BLADE HYDRAULIC		11,153	2.17	2.74	0.59	1.26	0.00	1.49	0.00	38						
7200	WINCH (W/O CABLE)		15,627	3.02	3.81	0.83	1.77	0.00	2.09	0.00	22						
7205	D-6D P.S.	140 HP D	119,529	32.91	42.10	6.35	13.06	5.57	15.39	7.33	299						
7210	6S STRAIGHT BLADE HYDRAULIC		14,732	2.85	3.60	0.79	1.67	0.00	1.97	0.00	49						
7215	6A ANGLE BLADE HYDRAULIC		16,508	3.18	4.02	0.88	1.87	0.00	2.21	0.00	53						
7220	WINCH (W/O CABLE)		17,005	3.28	4.15	0.91	1.93	0.00	2.28	0.00	25						
7225	D-7G P.S.	200 HP D	167,817	46.39	59.37	8.91	18.34	7.95	21.61	10.48	378						
7230	7S STRAIGHT BLADE HYDRAULIC		21,825	4.18	5.29	1.17	2.47	0.00	2.92	0.00	77						
7235	7U HYD. UNIVERSAL BLADE		23,900	4.58	5.80	1.28	2.71	0.00	3.21	0.00	84						
7240	7A ANGLE BLADE HYDRAULIC		18,985	3.65	4.62	1.01	2.15	0.00	2.55	0.00	68						
7245	WINCH (W/O CABLE)		19,748	3.82	4.81	1.06	2.24	0.00	2.64	0.00	30						
7250	D-8L P.S.	335 HP D	258,583	68.06	87.30	13.79	29.28	13.32	34.65	17.55	735						
7255	8S STRAIGHT BLADE HYDRAULIC		32,006	6.14	7.77	1.71	3.63	0.00	4.29	0.00	120						
7260	8U HYD. UNIVERSAL BLADE		35,248	6.75	8.55	1.88	3.99	0.00	4.72	0.00	133						
7265	8A ANGLE BLADE HYDRAULIC		31,680	6.09	7.70	1.69	3.59	0.00	4.24	0.00	133						
7270	PUSH PLATE USE W/S		915	0.22	0.27	0.05	0.10	0.00	0.12	0.00	6						
7275	WINCH (W/O CABLE)		25,515	4.95	6.25	1.36	2.89	0.00	3.42	0.00	47						
7280	D-9L P.S.	460 HP D	344,951	82.20	102.52	17.05	35.36	18.29	40.43	24.09	1004						
7285	9S STRAIGHT BLADE HYDRAULIC		43,659	8.39	10.62	2.33	4.95	0.00	5.85	0.00	184						
7290	9U HYD. UNIVERSAL BLADE		46,132	8.87	11.22	2.46	5.23	0.00	6.18	0.00	195						

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT									
			CONDITION		STAND-BY	AVERAGE OWNER-SHIP	COND. FUEL	SEVERE OWNER-SHIP	COND. FUEL										
			AVERAGE	SEVERE															
TRACTOR, CRAWLER (DOZER) (CONT'D)																			
CATERPILLAR (CONT'D)																			
7295	9C CUSHION BLADE	38,467	7.38	9.35	2.05	4.35	0.00	5.15	0.00	160									
7300	REAR CUSHION PUSH BLOCK	11,392	2.26	2.85	0.61	1.29	0.00	1.53	0.00	41									
7305	FRONT PUSH PLATE	1,227	0.31	0.37	0.07	0.14	0.00	0.16	0.00	9									
7310	WINCH (W/O CABLE)	27,651	5.40	6.81	1.47	3.13	0.00	3.70	0.00	51									
7315	D-10 P.S. 700 HP D	579,870	134.57	167.59	28.65	59.43	27.84	67.96	36.67	1539									
7320	10S STRAIGHT BLADE HYDRAULIC	66,441	12.76	16.17	3.54	7.52	0.00	8.91	0.00	280									
7325	10U HYD. UNIVERSAL BLADE	73,066	14.03	17.76	3.90	8.28	0.00	9.79	0.00	286									
7330	FRONT PUSH PLATE	1,420	0.35	0.42	0.08	0.16	0.00	0.19	0.00	8									
7335	10C CUSHION BLADE	49,155	9.44	11.95	2.62	5.57	0.00	6.59	0.00	198									
FIAT-ALLIS																			
7345	FDS P.S. W/HYD. ANGLE TILT BLADE 63 HP D	46,496	13.27	16.98	2.47	5.08	2.51	5.98	3.30	140									
7350	FDT P.S. W/POW. ANGLE TILT BLADE 78 HP D	54,656	15.80	20.26	2.90	5.97	3.10	7.04	4.09	175									
7355	8-B P.S. 88 HP D	58,100	17.08	21.89	3.09	6.35	3.50	7.48	4.61	215									
7360	8-HA ANGLE BLADE HYDRAULIC	9,029	1.77	2.24	0.48	1.02	0.00	1.21	0.00	30									
7365	8-HSU SEMI-U BLADE HYDRAULIC	9,016	1.74	2.21	0.48	1.02	0.00	1.21	0.00	30									
7370	10-C P.S. 122 HP D	80,779	23.73	30.41	4.29	8.83	4.85	10.40	6.39	280									
7375	10-HA ANGLE BLADE HYDRAULIC	10,047	1.96	2.48	0.53	1.13	0.00	1.34	0.00	36									
7380	10-HSU SEMI-U BLADE HYDRAULIC	12,303	2.36	2.99	0.66	1.39	0.00	1.65	0.00	38									
7385	14-C P.S. 150 HP D	105,319	30.45	39.00	5.59	11.51	5.97	13.56	7.86	335									
7390	14-HA ANGLE BLADE HYDRAULIC	15,389	2.97	3.76	0.82	1.74	0.00	2.06	0.00	51									
7395	14-HSU SEMI-U BLADE HYDRAULIC	15,365	2.94	3.71	0.82	1.74	0.00	2.05	0.00	51									
7400	FD 20 P.S. 223 HP D	159,142	45.80	58.67	8.45	17.39	8.87	20.49	11.68	535									
7405	20-HA ANGLE BLADE HYDRAULIC	16,387	3.16	3.99	0.88	1.86	0.00	2.19	0.00	66									
7410	20-HS STRAIGHT BLADE HYDRAULIC	17,192	3.30	4.20	0.91	1.94	0.00	2.31	0.00	66									
7415	20-HSU SEMI-U BLADE HYDRAULIC	23,352	4.44	5.63	1.25	2.65	0.00	3.13	0.00	79									
7420	FD 30 P.S. 300 HP D	245,955	63.80	81.78	13.12	27.86	11.93	32.96	15.71	775									

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													
TRACTOR, CRAWLER (DOZER) (CONT'D)																	
FIAT-ALLIS (CONT'D)																	
7425	30HSU	HYD. SEMI-UNIVERSAL BLADE	32,498	6.23	7.89	1.73	3.68	0.00	4.36	0.00	127						
7430	30-HU	FULL-U BLADE HYDRAULIC	33,003	6.31	8.00	1.76	3.74	0.00	4.43	0.00	114						
7435	FD40	P.S. 455 HP D	354,565	83.62	104.22	17.52	36.34	18.10	41.56	23.83	1128						
7440	40-HSU	SEMI-U BLADE HYDRAULIC	49,100	9.45	11.95	2.62	5.56	0.00	6.57	0.00	222						
7445	40-HU	FULL-U BLADE HYDRAULIC	50,348	9.71	12.29	2.69	5.70	0.00	6.75	0.00	254						
7450	40-HC	CUSHION BLADE	31,427	6.03	7.63	1.68	3.56	0.00	4.21	0.00	120						
7455	FD 50	P.S. 525 HP D	476,866	108.16	134.53	23.56	48.87	20.88	55.89	27.50	1280						
7460	50-HSU	SEMI-U BLADE HYDRAULIC	56,697	10.92	13.81	3.02	6.42	0.00	7.59	0.00	250						
7465	50-HU	FULL-U BLADE HYDRAULIC	64,903	12.45	15.76	3.46	7.35	0.00	8.69	0.00	280						
7470	50-HC	CUSHION BLADE	36,171	6.92	8.76	1.93	4.10	0.00	4.84	0.00	140						
INTERNATIONAL																	
7480	TD-7-E	P.S. W/HYD BLADE 65 HP D	48,980	13.90	17.80	2.60	5.35	2.59	6.31	3.40	139						
7485	TD-8-E	P.S. W/HYD BLADE 78 HP D	62,573	17.49	22.39	3.32	6.84	3.10	8.06	4.09	172						
7490	TD-12	P.S. W/HYD BLADE 110 HP D	91,010	25.24	32.30	4.84	9.95	4.37	11.72	5.76	267						
7495	TD-15-C	P.S. 140 HP D	116,403	32.25	41.27	6.18	12.72	5.57	14.99	7.33	271						
7500	15D-2	HYD. SEMI-UNIVERSAL BLADE	12,544	2.41	3.05	0.67	1.42	0.00	1.68	0.00	46						
7505	15G-2	ANGLE BLADE HYDRAULIC	14,149	2.71	3.43	0.75	1.60	0.00	1.89	0.00	50						
7510	TD-20-E	P.S. 210 HP D	180,519	49.64	63.49	9.59	19.73	8.35	23.24	11.00	476						
7515	20D-2	HYD. SEMI-UNIVERSAL BLADE	22,240	4.23	5.37	1.19	2.52	0.00	2.98	0.00	61						
7520	20G-2	ANGLE BLADE HYDRAULIC	14,959	2.87	3.62	0.80	1.70	0.00	2.00	0.00	71						
7525	TD-25-E	P.S. 310 HP D	232,094	61.58	78.98	12.38	26.29	12.33	31.10	16.24	700						
7530	25D-2	HYD. SEMI-UNIVERSAL BLADE	27,305	5.23	6.63	1.46	3.09	0.00	3.66	0.00	113						
7535	25G-2	ANGLE BLADE HYDRAULIC	22,501	4.35	5.50	1.20	2.55	0.00	3.02	0.00	115						
7540	FRONT PUSHER CUSHION		9,497	1.87	2.35	0.51	1.08	0.00	1.27	0.00	29						
7545	REAR PUSHER CUSHION		5,504	1.16	1.45	0.29	0.62	0.00	0.74	0.00	23						
7550	FRONT PUSH BLK FOR S/BLD		841	0.24	0.28	0.05	0.10	0.00	0.11	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 OWNER-SHIP	SEVERE COND OWNER-SHIP	FUEL											
			AVERAGE	SEVERE															
TRACTOR, CRAWLER (DOZER) (CONT'D)																			
JOHN DEERE																			
7560	JD350C/6305 D.D. W/HYD BLADE	42 HP D	34,575	9.60	12.28	1.84	3.78	1.67	4.45	2.20	107								
7565	JD450C/6405 D.D. W/HYD BLADE	65 HP D	47,685	13.63	17.45	2.53	5.21	2.59	6.14	3.40	143								
7570	JD550A/6405 P.S. W/HYD BLADE	72 HP D	57,177	16.01	20.50	3.04	6.25	2.86	7.36	3.77	156								
7575	JD750 LPG H.S. W/STR BLADE	110 HP D	109,520	29.16	37.27	5.82	11.97	4.37	14.10	5.76	336								
7580	JD850 LPG H.S. W/STR BLADE	145 HP D	145,425	38.68	49.42	7.72	15.89	5.77	18.72	7.50	449								
KOMATSU																			
7590	D31A-17 H.S.	66 HP D	39,895	12.02	15.42	2.12	4.36	2.62	5.13	3.46	132								
7595	ANGLE TILTDOZER BLADE		6,466	1.27	1.60	0.35	0.74	0.00	0.87	0.00	20								
7600	D45A-1 H.S.	90 HP D	59,859	17.56	22.50	3.18	6.54	3.58	7.70	4.71	200								
7605	ANGLE TILTDOZER BLADE		7,015	1.36	1.73	0.37	0.79	0.00	0.94	0.00	24								
7610	D53A-16A H.S.	118 HP D	87,798	25.00	32.01	4.67	9.60	4.69	11.30	6.18	246								
7615	ANGLE TILTDOZER BLADE		7,663	1.49	1.89	0.41	0.87	0.00	1.03	0.00	42								
7620	D65E-7 H.S.	165 HP D	124,146	35.24	45.12	6.60	13.57	6.56	15.98	8.64	377								
7625	ANGLE TILTDOZER BLADE		9,992	1.93	2.44	0.53	1.13	0.00	1.34	0.00	61								
7630	D85E-18 H.S.	220 HP D	164,460	46.78	59.89	8.74	17.98	8.75	21.18	11.52	437								
7635	ANGLE TILTDOZER BLADE		15,631	3.02	3.81	0.83	1.77	0.00	2.09	0.00	99								
7640	U-DOZER BLADE		16,682	3.24	4.09	0.89	1.89	0.00	2.24	0.00	104								
7645	D155A-1 H.S.	320 HP D	226,308	60.94	78.20	12.06	25.63	12.73	30.33	16.76	690								
7650	ANGLE TILTDOZER BLADE		21,445	4.16	5.26	1.14	2.42	0.00	2.87	0.00	140								
7655	U-DOZER BLADE		22,661	4.40	5.55	1.21	2.57	0.00	3.03	0.00	142								
7660	D355A-3 H.S.	410 HP D	302,041	80.48	103.22	16.11	34.21	16.31	40.47	21.48	945								
7665	U-DOZER BLADE		29,139	5.68	7.16	1.55	3.30	0.00	3.90	0.00	196								
7670	STRAIGHT DOZER BLADE		26,520	5.16	6.52	1.41	3.00	0.00	3.55	0.00	184								
7675	D455A-1 H.S.	620 HP D	535,063	122.90	152.95	26.44	54.84	24.66	62.71	32.48	1445								
7680	FULL U-DOZER BLADE		70,601	13.50	17.12	3.76	7.99	0.00	9.46	0.00	229								
7685	U-DOZER BLADE		66,363	12.68	16.07	3.54	7.51	0.00	8.89	0.00	211								

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT						
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.									
						OWNER-SHIP	FUEL	OWNER-SHIP							
TRACTOR, CRAWLER (DOZER) (CONT'D)															
KOMATSU (CONT'D)															
7690	STRAIGHT DOZER BLADE	62,123	11.86	15.05	3.31	7.03	0.00	8.33	0.00						
TEREX (GM)															
7700	P.S. (W/O BLADE) 205 HP D	159,723	44.95	57.55	8.48	17.45	8.15	20.56	10.74						
7705	SEMI-U BLADE HYDRAULIC	15,565	2.97	3.77	0.83	1.76	0.00	2.08	0.00						
7710	ANGLE BLADE HYDRAULIC	17,421	3.32	4.21	0.93	1.97	0.00	2.33	0.00						
7715	FULL-U BLADE HYDRAULIC	17,841	3.40	4.31	0.95	2.02	0.00	2.39	0.00						
7720	D750 P.S. (W/O BLADE) 260 HP D	185,959	49.93	64.06	9.92	21.06	10.34	24.92	13.62						
7725	SEMI-U BLADE HYDRAULIC	21,986	4.18	5.31	1.17	2.49	0.00	2.95	0.00						
7730	ANGLE BLADE HYD. W/DUAL TILT	28,844	5.48	6.94	1.54	3.27	0.00	3.86	0.00						
7735	FULL-U BLADE HYDRAULIC	23,982	4.56	5.79	1.28	2.72	0.00	3.22	0.00						
7740	D800 P.S. (W/O BLADE) 350 HP D	249,650	67.07	86.06	13.31	28.27	13.92	33.46	18.33						
7745	SEMI-U BLADE HYDRAULIC	28,728	5.53	6.99	1.54	3.26	0.00	3.85	0.00						
7750	FULL-U BLADE HYDRAULIC	31,495	6.05	7.66	1.68	3.57	0.00	4.22	0.00						
7755	CUSHIONED PUSH BLADE	27,523	5.29	6.69	1.47	3.12	0.00	3.69	0.00						
7760	PUSH PLATE (WELD ON)	1,159	0.27	0.33	0.06	0.13	0.00	0.16	0.00						
7765	PUSH BLOCK (CUSHION REAR)	7,391	1.50	1.88	0.40	0.84	0.00	0.99	0.00						
TRACTOR, WHEEL TYPE (DOZER)															
CATERPILLAR															
7775	814-B ARTICULATED ST BLADE P.S. 210 HP D	159,276	39.05	51.57	8.32	17.23	7.74	20.32	10.18						
7780	824-C ARTICULATED ST BLADE P.S. 310 HP D	230,153	58.59	79.71	11.85	24.21	11.43	28.52	15.03						
7785	834-B ARTICULATED ST BLADE P.S. 450 HP D	341,462	83.93	112.77	17.51	35.61	16.59	41.91	21.82						
CLARK															
7795	280B ARTICULATED ST BLADE P.S. 302 HP D	261,257	64.13	87.31	13.46	27.50	11.13	32.38	14.65						
7800	380B ARTICULATED ST BLADE P.S. 572 HP D	442,225	107.88	144.45	22.72	46.33	21.08	54.54	27.74						

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL				
TRACTOR, WHEEL TYPE (FARM)													
JOHN DEERE													
7810	MOD 301 A	43 HP D	14,090	4.59	6.06	0.73	1.52	1.58	1.79	2.09			
7815	MOD 401 B	62 HP D	17,958	6.18	8.10	0.94	1.94	2.29	2.30	3.01			
TRENCHER, CHAIN													
DITCH WITCH													
7825	MOD C99 6"X24" TRENCH	9 HP G	3,319	1.55	1.99	0.17	0.36	0.68	0.42	0.88			
7830	MOD 2200 8"X36" TRENCH	18 HP G	13,487	4.44	5.70	0.71	1.50	1.35	1.77	1.76			
7835	MOD 2300 10"X36" TRENCH	28 HP G	18,785	6.47	8.33	1.00	2.09	2.11	2.47	2.75			
7840	MOD 6510 12"X54" TRENCH	64 HP D	34,150	9.90	12.77	1.80	3.76	2.36	4.45	3.10			
7845	MOD R100 10"X72" TRENCH	105 HP D	70,027	19.03	24.49	3.69	7.75	3.87	9.17	5.09			
VERMEER													
7860	MOD V-430 10"X40" TRENCH	24 HP D	23,038	5.75	7.38	1.22	2.57	0.88	3.04	1.16			
7865	MOD M-455 18"X72" TRENCH	44 HP D	45,235	11.16	14.34	2.39	5.01	1.62	5.93	2.13			
7870	MOD M-475 18"X72" TRENCH	55 HP D	50,002	12.64	16.23	2.64	5.55	2.03	6.56	2.67			
7875	MOD T-600024"X96" TRENCH	113 HP D	78,908	21.07	27.01	4.21	8.90	4.17	10.52	5.48			
7880	MOD T-800B36"X96" TRENCH	175 HP D	155,544	39.26	50.30	8.29	17.54	6.45	20.74	8.49			
TRENCHER, WHEEL TYPE													
BARBER-GREENE													
7890	MOD TA 56 16"X15'-10" TRENCH	100 HP D	128,739	30.38	38.86	6.86	14.52	3.69	17.18	4.85			
7895	MOD TA 65 28"X7'-6" TRENCH	160 HP D	187,733	44.96	57.54	10.00	21.17	5.90	25.05	7.76			
7900	MOD TA 77 32"X8'-6" TRENCH	160 HP D	240,154	55.41	70.82	12.79	27.08	5.90	32.03	7.76			
CLEVELAND													
7910	MOD 236 17"X72" TRENCH	67 HP D	103,379	23.76	30.37	5.51	11.66	2.47	13.79	3.25			
7915	MOD 236HD 21"X72" TRENCH	67 HP D	112,536	25.60	32.69	6.00	12.70	2.47	15.01	3.25			
7920	MOD 246 25"X72" TRENCH	67 HP D	115,938	26.27	33.56	6.18	13.08	2.47	15.47	3.25			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE	SEVERE	AVERAGE COND.	SEVERE COND.							
					OWNER-SHIP	FUEL	OWNER-SHIP	FUEL							
TRENCHER, WHEEL TYPE (CONT'D)															
CLEVELAND (CONT'D)															
7925	MOD 350 30"X90" TRENCH	150 HP D	219,981	50.92	65.08	11.72	24.81	5.53	29.34	7.27	455				
7930	MOD 400WHD36"X114" TRENCH	175 HP D	272,894	62.65	80.06	14.54	30.78	6.45	36.40	8.49	659				
TRUCKS, HIGHWAY															
(CHASSIS ONLY)															
FORD															
7945	F150 4X2 1/2T PKUP	6100 GVW 137 HP G	8,080	5.30	6.84	0.54	1.24	2.34	1.43	3.12	38				
7950	F150 4X4 1/2T PKUP	6250 GVW 137 HP G	10,055	5.86	7.58	0.67	1.55	2.34	1.80	3.12	42				
7955	F250 4X2 3/4T PKUP	6900 GVW 137 HP G	8,906	5.55	7.15	0.59	1.36	2.34	1.56	3.12	40				
7960	F250 4X4 3/4T PKUP	7400 GVW 137 HP G	10,499	6.01	7.77	0.69	1.60	2.34	1.86	3.12	44				
7965	F350 2AX	10000 GVW 137 HP G	9,531	5.79	7.46	0.62	1.43	2.34	1.65	3.12	42				
7970	F600 2AX	18500 GVW 154 HP G	16,697	11.64	15.19	0.94	1.98	6.14	2.46	7.90	65				
7975	F600 2AX	18500 GVW 162 HP D	23,201	9.75	12.92	1.32	2.80	3.79	3.49	4.93	65				
7980	F700 2AX	24500 GVW 177 HP G	19,360	13.38	17.45	1.10	2.32	7.06	2.88	9.08	65				
7985	F700 2AX	24500 GVW 162 HP D	26,213	10.36	13.75	1.50	3.19	3.79	3.97	4.93	73				
7990	F800 2AX	27000 GVW 177 HP G	21,337	13.82	18.05	1.21	2.55	7.06	3.17	9.08	72				
7995	F800 2AX	27000 GVW 162 HP D	27,480	10.90	14.45	1.53	3.21	3.79	4.00	4.93	76				
8000	LT800 3AX	43000 GVW 223 HP G	33,294	24.96	32.63	1.89	4.14	13.22	5.19	17.03	110				
8005	LT8000 3AX	44800 GVW 175 HP D	45,772	18.08	24.07	2.61	5.73	6.14	7.18	7.99	126				
8010	LTS8000 3AX	46000 GVW 175 HP D	47,915	18.55	24.68	2.74	6.01	6.14	7.52	7.99	130				
8015	LNT8000 3AX	46000 GVW 175 HP D	45,299	18.01	23.94	2.59	5.66	6.14	7.08	7.99	124				
8020	CT8000 3AX	46000 GVW 175 HP D	52,843	19.57	26.07	3.03	6.66	6.14	8.33	7.99	136				
8025	LT9000 3AX 58000 GVW 82000 GCW 239 HP D	69,612	26.20	34.89	3.98	8.76	8.39	10.97	10.91	172					
8030	LTS9000 3AX 60000 GVW 82000 GCW 239 HP D	73,962	27.16	36.17	4.23	9.29	8.39	11.64	10.91	180					
8035	LNT9000 3AX 60000 GVW 82000 GCW 239 HP D	70,143	26.37	35.09	4.01	8.79	8.39	11.00	10.91	175					
8040	CLT9000 3AX	82000 GCW 286 HP D	68,976	28.07	37.31	3.96	8.73	10.04	10.93	13.05	149				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT				
			CONDITION		STAND-BY	AVERAGE COND.	SEVERE COND.						
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
TRUCKS, HIGHWAY (CONT'D)													
(CHASSIS ONLY)													
GMC AND CHEVROLET													
8050	C10903	4X2 1/2T PKUP 6100 GVW 165 HP G	8,050	5.90	7.67	0.53	1.23	2.82	1.42	3.76	46		
8055	C10906	4X2 SUBURBAN 6800 GVW 165 HP G	10,417	6.54	8.49	0.69	1.60	2.82	1.86	3.76	52		
8060	K10906	4X4 SUBURBAN 7000 GVW 165 HP G	11,468	6.86	8.88	0.76	1.77	2.82	2.05	3.76	56		
8065	C20903	4X2 3/4T PKUP 8600 GVW 165 HP G	9,616	6.32	8.21	0.63	1.47	2.82	1.71	3.76	49		
8070	K20903	4X4 3/4T PKUP 6600 GVW 165 HP G	11,202	6.81	8.80	0.74	1.73	2.82	2.00	3.76	54		
8075	C30903	2AX 9000 GVW 160 HP G	10,781	6.65	8.58	0.71	1.63	2.74	1.88	3.65	62		
8080	C5D042	2AX 18500 GVW 161 HP G	15,402	11.75	15.30	0.87	1.82	6.42	2.25	8.26	59		
8085	C6D042	2AX 19200 GVW 161 HP G	16,722	12.01	15.67	0.94	1.98	6.42	2.46	8.26	63		
8090	C6D042	2AX 23160 GVW 165 HP D	23,748	9.94	13.19	1.35	2.87	3.86	3.58	5.02	73		
8095	C7D042	2AX 23160 GVW 179 HP G	17,714	13.19	17.18	1.00	2.09	7.14	2.59	9.18	78		
8100	C7D042	2AX 29900 GVW 225 HP D	35,483	14.20	18.86	2.02	4.30	5.26	5.36	6.84	96		
8105	C7D064	3AX 44860 GVW 207 HP G	31,836	23.55	30.78	1.79	3.87	12.27	4.85	15.81	123		
8110	C7D064	3AX 44500 GVW 205 HP D	38,301	17.91	23.71	2.18	4.74	7.20	5.93	9.35	127		
8115	J8C042	2AX 33200 GVW 235 HP D	44,018	20.26	26.85	2.52	5.55	8.25	6.96	10.72	107		
8120	J8C064	3AX 48860 GVW 210 HP D	49,434	20.43	27.15	2.83	6.21	7.37	7.78	9.58	140		
8125	J9C042	2AX 53911 GVW 230 HP D	48,771	17.18	22.88	2.78	5.91	5.38	7.37	7.00	122		
8130	J9C064	3AX 48860 GVW 300 HP D	57,597	26.17	34.71	3.31	7.29	10.53	9.14	13.69	144		
8135	N9E064	3AX 52000 GVW 307 HP D	59,645	27.12	35.90	3.40	7.45	10.78	9.32	14.01	141		
8140	N9E064	3AX 62000 GVW 307 HP D	69,570	29.30	38.84	3.97	8.72	10.78	10.91	14.01	180		
INTERNATIONAL													
8150	1654	2AX 16000 GVW 155 HP D	17,691	8.36	11.05	1.01	2.15	3.63	2.67	4.72	57		
8155	1724	2AX 16000 GVW 147 HP G	15,750	11.02	14.36	0.90	1.90	5.87	2.36	7.54	65		
8160	1754	2AX 16000 GVW 165 HP D	22,742	9.67	12.81	1.31	2.79	3.86	3.47	5.02	71		
8165	1954	2AX 21700 GVW 180 HP D	28,665	11.38	15.11	1.64	3.50	4.21	4.36	5.48	100		
8170	F2554	3AX 43000 GVW 210 HP D	45,940	19.71	26.16	2.62	5.75	7.37	7.20	9.58	123		
8175	F2574	3AX 50000 GVW 230 HP D	60,881	23.71	31.56	3.50	7.73	8.07	9.69	10.49	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						
					AVERAGE	SEVERE	OWNER-SHIP	FUEL	OWNER-SHIP						
TRUCKS, HIGHWAY (CONT'D)															
(CHASSIS ONLY)															
INTERNATIONAL (CONT'D)															
8180	I4370 3AX	48860 GVW 300 HP D	63,891	27.48	36.49	3.68	8.13	10.53	10.19	13.69	133				
8185	I5050 3AX	54000 GVW 210 HP D	62,183	23.07	30.76	3.58	7.90	7.37	9.91	9.58	138				
8190	I5070 3AX	54000 GVW 230 HP D	65,004	24.55	32.72	3.74	8.27	8.07	10.38	10.49	140				
KENWORTH															
8200	K100 3AX	48000 GVW 85000 GCW 300 HP D	68,412	28.51	37.87	3.94	8.69	10.53	10.89	13.69	138				
8205	K900 3AX	48000 GVW 85000 GCW 300 HP D	68,933	28.61	38.02	3.97	8.76	10.53	10.98	13.69	140				
8210	C500 3AX	56000 GVW 85000 GCW 270 HP D	74,138	28.34	37.74	4.28	9.45	9.48	11.84	12.32	144				
PETERBILT															
8220	MOD 348 3AX	50000 GVW 85000 GCW 245 HP D	76,147	27.90	37.20	4.38	9.64	8.60	12.07	11.18	121				
8225	MOD 362 3AX	46000 GVW 85000 GCW 300 HP D	66,751	28.16	37.40	3.84	8.47	10.53	10.61	13.69	131				
8230	MOD 359 3AX	46000 GVW 85000 GCW 300 HP D	64,343	27.66	36.72	3.70	8.15	10.53	10.21	13.69	134				
8235	MOD 353 3AX	56000 GVW 130000 GCW 350 HP D	71,701	31.42	41.73	4.13	9.12	12.28	11.44	15.97	174				
TRUCK ACCESSORIES															
(CHASIS NOT INCLUDED)															
CRANES, HYDRAULIC															
8245	5.3T@5' RAD	24000 GVW MIN	25,760	5.70		1.52	3.43	0.00			79				
8250	8.0T@3' RAD	26500 GVW MIN	30,998	6.84		1.83	4.13	0.00			84				
8255	12.5T@4' RAD	27000 GVW MIN	47,965	10.53		2.83	6.39	0.00			142				
8260	13.5T@4' RAD	44000 GVW MIN	59,378	13.02		3.50	7.91	0.00			158				
8265	15.0T@4' RAD	48000 GVW MIN	65,569	14.38		3.88	8.75	0.00			211				
DUMP BODY, REAR, W/ROIST															
8275	5CY 24000 TO 26000 GVW		6,152	1.43	1.91	0.36	0.82	0.00	1.03	0.00	26				
8280	AIR GATE 8CY 27000 TO 30000 GVW		9,714	2.20	2.97	0.57	1.29	0.00	1.63	0.00	44				
8285	AIR GATE 10CY 36000 AND UP GVW		9,821	2.23	3.00	0.58	1.31	0.00	1.65	0.00	45				

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT				
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.					
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP					
TRUCK ACCESSORIES (CONT'D)													
(CHASIS NOT INCLUDED)													
DUMP BODY, REAR, W/HOIST (CONT'D)													
8290	AIR GATE 12CY 36000 AND UP GVW	9,961	2.26	3.04	0.59	1.33	0.00	1.67	0.00	46			
FLATBEDS W/CONT. SIDES													
8300	8'X9.5'	1,973	0.44		0.12	0.27	0.00			11			
8305	8'X10.5'	2,033	0.44		0.12	0.27	0.00			12			
8310	8'X12.5'	2,220	0.49		0.14	0.30	0.00			14			
8315	8'X14.5'	2,640	0.57		0.16	0.35	0.00			16			
8320	8'X16.5'	2,890	0.63		0.17	0.39	0.00			18			
8325	FLATBED-HOIST	2,765	0.59		0.16	0.36	0.00			10			
HOISTS, ELECTRIC													
8335	1500LB@1.75"	2,371	0.60		0.14	0.31	0.00			4			
8340	2400LB@3"	2,752	0.68		0.16	0.36	0.00			6			
8345	5000LB@4"	7,610	1.74		0.45	1.01	0.00			15			
8350	6000LB@6"	8,595	1.95		0.50	1.14	0.00			14			
TRANSIT MIXERS													
8360	7 CY 40000 - 50000 GVW RQD	26,795	5.97		1.59	3.58	0.00			63			
8365	8 CY 50000 - 70000 GVW RQD	27,204	6.05		1.61	3.63	0.00			66			
8370	8.5CY 55000 - 75000 GVW RQD	27,479	6.11		1.62	3.66	0.00			68			
8375	9 CY 61000 - 80000 GVW RQD	27,862	6.19		1.64	3.71	0.00			73			
WATER TANKS													
8385	2000 GAL 23500-28000 GVW	11,914	2.59		0.71	1.59	0.00			35			
8390	2500 GAL 25000-34950 GVW	12,545	2.73		0.74	1.67	0.00			39			
8395	3000 GAL 29000-40000 GVW	13,325	2.90		0.79	1.78	0.00			44			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE	COND.	SEVERE	COND.	SEVERE						
					AVERAGE	SEVERE	COND.	SEVERE	COND.						
TRUCK TRAILERS															
BOTTOM DUMP															
8405	18CY 27T	26,007	4.93	6.21	1.34	2.82	0.00	3.33	0.00	122					
8410	20CY 30T	30,867	5.78	7.29	1.60	3.39	0.00	4.00	0.00	140					
8415	30CY 30T	31,101	5.82	7.35	1.61	3.42	0.00	4.04	0.00	160					
8420	28CY 42T	37,101	6.99	8.80	1.91	4.02	0.00	4.75	0.00	180					
8425	20CY 35T OFF-HIGHWAY	43,921	8.11	10.27	2.28	4.86	0.00	5.76	0.00	175					
8430	32CY 55T OFF-HIGHWAY	93,178	17.63	22.21	4.75	9.95	0.00	11.75	0.00	365					
8435	43CY 70T OFF-HIGHWAY	103,988	19.74	24.87	5.29	11.05	0.00	13.05	0.00	445					
END DUMP															
8445	20CY 24T	34,562	6.42	8.12	1.80	3.82	0.00	4.52	0.00	146					
LOWBOY, RIGID NECK, DROP DECK															
8455	25 TON 2 AXLE	20,479	3.51		1.03	1.94	0.00			89					
8460	30 TON 2 AXLE	22,722	3.87		1.15	2.16	0.00			94					
8465	35 TON 2 AXLE	24,765	4.19		1.25	2.37	0.00			109					
8470	35 TON 3 AXLE	28,480	4.91		1.44	2.68	0.00			134					
8475	40 TON 3 AXLE	29,711	5.14		1.49	2.79	0.00			144					
8480	50 TON 3 AXLE	34,216	5.84		1.73	3.25	0.00			161					
8485	60 TON 3 AXLE	36,912	6.42		1.84	3.41	0.00			188					
8490	70 TON 3 AXLE	44,893	7.63		2.26	4.24	0.00			213					
8495	75 TON 3 AXLE	46,250	7.85		2.34	4.39	0.00			228					
8500	80 TON 4 AXLE	53,027	8.90		2.69	5.10	0.00			266					
8505	90 TON 4 AXLE	57,118	9.68		2.89	5.44	0.00			297					
8510	100 TON 4 AXLE	63,971	10.81		3.23	6.09	0.00			313					
8515	120 TON 4 AXLE	74,352	12.77		3.72	6.92	0.00			351					
8520	HELPER DOLLY 60 T TRAILER MAX	17,639	3.09		0.88	1.62	0.00			62					

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT					
			CONDITION	STAND-BY	AVERAGE COND.		SEVERE COND.							
					AVERAGE	SEVERE	OWNER-SHIP	FUEL						
TRUCK TRAILERS (CONT'D)														
PLATFORM TRAILERS														
8530	25 TON 2 AXLE	16,468	2.92		0.82	1.50	0.00		110					
PUP TRAILERS														
8540	8 CY LONG TONGUE	20,526	3.55		1.03	1.92	0.00		86					
8545	10CY LONG TONGUE	20,687	3.58		1.04	1.94	0.00		86					
TIILT TRAILERS														
8555	12 TON 2 AXLE	10,861	1.98		0.54	0.99	0.00		62					
8560	16 TON 2 AXLE	12,469	2.26		0.61	1.11	0.00		65					
8565	20 TON 2 AXLE	13,577	2.47		0.67	1.22	0.00		67					
WATER TANKER TRAILERS														
8575	4000 GAL	63 HP D	31,320	7.42		1.53	3.01	2.32	120					
8580	5000 GAL	63 HP D	32,991	7.77		1.59	3.09	2.32	150					
8585	6000 GAL	63 HP D	34,484	7.95		1.65	3.22	2.32	160					
TRUCKS, OFF-HIGHWAY														
CATERPILLAR														
8595	769-C	35T 22-30 CY	P.S. 450 HP D	283,714	61.32	78.86	13.72	27.82	10.48	31.74	13.53	711		
8600	773-B	50T 30-45 CY	P.S. 650 HP D	398,958	88.23	114.29	19.21	38.75	15.13	44.18	19.55	908		
8605	777	85T 47-67 CY	P.S. 870 HP D	555,710	119.63	154.74	26.50	52.99	20.25	60.37	26.16	1391		
8610	768C PRIME MOVER TRACTOR		P.S. 450 HP D	249,910	56.25	72.63	12.06	24.37	10.48	27.78	13.53	523		
8615	772B PRIME MOVER TRACTOR		P.S. 650 HP D	375,568	86.83	113.83	17.91	35.82	15.13	40.81	19.55	716		
8620	776 PRIME MOVER TRACTOR		P.S. 870 HP D	492,251	111.76	146.25	23.19	45.80	20.25	52.10	26.16	1100		
DJB														
(ARTICULATED FRAME)														
8630	D330B	33T 17-23 CY	P.S. 255 HP D	230,037	45.26	57.56	11.12	22.55	5.94	25.73	7.67	444		
8635	D350C	35T 20-26 CY	P.S. 260 HP D	250,628	50.41	64.97	11.98	24.00	6.05	27.35	7.82	472		

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES		ADJUSTABLE ELEMENTS				CWT						
			CONDITION	STAND-BY	AVERAGE COND.		SEVERE COND.								
					AVERAGE	SEVERE	OWNER-SHIP	FUEL							
TRUCKS, OFF-HIGHWAY (CONT'D)															
DJB (CONT'D)															
(ARTICULATED FRAME)															
8640	D550	55T 32-43 CY	P.S. 450 HP D	407,066	82.34	105.87	19.49	39.13	10.48	44.59	13.53	834			
EUCLID															
8650	R25-215FD	25T 14-19 CY	P.S. 214 HP D	190,551	37.26	47.49	9.21	18.65	4.98	21.26	6.43	404			
8655	R35-302TD	35T 22-30 CY	P.S. 450 HP D	303,036	64.22	82.42	14.68	29.80	10.48	34.00	13.53	623			
8660	R50-301LD	50T 31-41 CY	P.S. 608 HP D	399,013	86.94	112.60	19.21	38.76	14.15	44.19	18.28	836			
8665	R75-301ND	75T 46-69 CY	P.S. 646 HP D	533,178	108.32	139.77	25.48	51.08	15.04	58.21	19.43	1123			
8670	R85-306ND	85T 52-67 CY	P.S. 755 HP D	548,759	115.00	148.83	26.16	52.28	17.58	59.55	22.70	1227			
TEREX															
8685	33-03B	22T 15-18 CY	P.S. 215 HP D	169,250	34.69	44.49	8.20	16.65	5.01	19.00	6.47	400			
8690	33-05B	30T 19-23 CY	P.S. 321 HP D	246,474	51.06	65.63	11.93	24.18	7.47	27.58	9.65	525			
8695	33-07	40T 25-32 CY	P.S. 493 HP D	304,592	68.79	89.89	14.57	29.20	11.48	33.27	14.82	756			
8700	33-09	55T 34-44 CY	P.S. 624 HP D	410,371	91.25	119.16	19.63	39.38	14.53	44.87	18.76	992			
8705	33-11D	85T 51-65 CY	P.S. 840 HP D	605,468	126.17	162.69	28.96	58.08	19.56	66.18	25.26	1350			
8710	33-14	120T 65-88 CY	P.S. 1092 HP D	885,616	180.18	232.27	42.37	85.00	25.42	96.86	32.84	1950			
WABCO															
8720	HAULPAK35D	35T 23-29 CY	P.S. 420 HP D	300,808	62.95	80.80	14.56	29.57	9.78	33.74	12.63	630			
8725	HAULPAK50B	50T 31-40 CY	P.S. 576 HP D	429,487	90.52	116.92	20.71	41.87	13.41	47.75	17.32	792			
8730	HAULPAK60B	60T 34-48 CY	P.S. 642 HP D	460,749	99.38	129.15	22.12	44.53	14.95	50.76	19.30	900			
8735	75C	75T 44-57 CY	P.S. 679 HP D	522,704	107.21	138.09	25.03	50.25	15.81	57.27	20.42	950			
8740	85D	85T 47-67 CY	P.S. 818 HP D	583,861	122.23	157.83	27.89	55.87	19.04	63.66	24.60	1240			
8745	100	100T 47-77 CY	P.S. 1050 HP D	709,622	152.44	198.18	33.67	67.00	24.44	76.28	31.57	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							
TRUCKS, WATER *****																
TRACTOR DRAWN - KLEIN																
8755	KT-50	5000 GAL. CAT 613B P.S. 150 HP D	134,355	28.13	34.68	6.50	12.72	5.53	14.45	7.27	320					
8760	KT-60	6000 GAL. CAT 621B P.S. 330 HP D	237,551	53.75	66.72	11.39	22.08	12.16	25.05	16.00	564					
8765	KT-80	8000 GAL. CAT 631D P.S. 450 HP D	331,635	74.80	92.83	15.86	30.69	16.59	34.81	21.82	751					
8770	KT-100	10000 GAL. CAT 631D P.S. 450 HP D	339,374	75.93	94.19	16.24	31.45	16.59	35.69	21.82	811					
8775	KT-100	10000 GAL. CAT 651E P.S. 550 HP D	409,162	91.99	114.17	19.57	37.87	20.27	42.96	26.67	1001					
8780	KT-120	12000 GAL. CAT 651E P.S. 550 HP D	414,909	92.84	115.19	19.86	38.44	20.27	43.62	26.67	1097					
TRACTOR DRAWN - SOUTHWEST																
8790	STT-60	6000 GAL. CAT 621B P.S. 330 HP D	237,847	53.79	66.77	11.40	22.11	12.16	25.08	16.00	594					
8795	STT-80	8000 GAL. CAT 631D P.S. 450 HP D	327,450	74.18	92.10	15.65	30.27	16.59	34.34	21.82	811					
8800	STT-100	10000 GAL. CAT 631D P.S. 450 HP D	331,769	74.81	92.85	15.87	30.70	16.59	34.82	21.82	840					
8805	STT-120	12000 GAL. CAT 651E P.S. 550 HP D	424,290	94.22	116.82	20.32	39.37	20.27	44.67	26.67	1135					
8810	STT-140	14000 GAL. CAT 651E P.S. 550 HP D	430,500	95.13	117.92	20.62	39.98	20.27	45.38	26.67	1170					
WAGONS, BOTTOM DUMP *****																
CATERPILLAR-ATHEY																
8820	621B/PW621B	33T 22-25CY P.S. 330 HP D	258,619	59.53	77.40	12.40	24.92	12.16	28.41	16.00	579					
8825	768C/PW768C	63T 42-48CY P.S. 450 HP D	382,390	86.47	112.16	18.23	36.44	16.59	41.51	21.82	935					
8830	772B/PW772B	100T 60-67CY P.S. 650 HP D	610,028	136.54	178.32	28.99	57.74	23.96	65.74	31.52	1360					
EUCLID																
8840	B30-303TDT301W	30T 21-27CY P.S. 277 HP D	245,281	54.81	71.21	11.74	23.56	10.21	26.85	13.43	483					
8845	B70-203LDT147W	70T 47-62CY P.S. 456 HP D	413,644	89.02	114.63	19.79	39.72	16.81	45.26	22.12	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					
WAGONS, REAR DUMP *****														
CATERPILLAR-ATHey														
8855	621B/PR621B	33T 22-26CY P.S. 330 HP D	268,519	61.02	79.23	12.89	25.94	12.16	29.57	16.00	630			
8860	631D/PR631D	40T 27-32CY P.S. 450 HP D	385,668	86.06	111.52	18.55	37.41	16.59	42.67	21.82	833			
WATER BLASTER *****														
AMERICAN AERO														
8870	WBD 90	10000 PSI @ 10 GPM W/2 NOZ 91 HP D	33,636	17.87		2.29	5.60	4.94			42			
	TRAILER MOUNTED													
8875	WBD150	10000 PSI @ 20 GPM W/2 NOZ 160 HP D	50,907	28.62		3.48	8.50	8.69			70			
	TRAILER MOUNTED													
WATER TANKS *****														
SKID MOUNTED														
8885	WST-8	8000 GAL. SOUTHWEST	15,256	2.13		0.75	1.51	0.00			107			
8890	WST-10	10000 GAL. SOUTHWEST	17,782	2.48		0.88	1.76	0.00			122			
8895	WST-12	12000 GAL. SOUTHWEST	20,689	2.89		1.02	2.05	0.00			142			
PORTABLE (WITH WHEELS)														
8905	EWT-8	8000 GAL. SOUTHWEST 8 HP G	27,892	4.73		1.36	2.67	0.60			130			
8910	EWT-10	10000 GAL. SOUTHWEST 8 HP G	31,473	5.23		1.54	3.03	0.60			170			
8915	EWT-12	12000 GAL. SOUTHWEST 8 HP G	34,919	5.71		1.71	3.37	0.60			185			
WELDERS *****														
ELECTRIC DRIVE - AC 3 PHASE 60 HZ														
8925	300 AMP	SKID MTD 20 HP E	2,391	1.64		0.14	0.30	0.94			7			
8930	400 AMP	SKID MTD 25 HP E	2,855	2.02		0.17	0.36	1.17			9			

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS			CWT					
			CONDITION	STAND-BY	AVERAGE COND.	SEVERE COND.								
					OWNER-SHIP	FUEL OWNER-SHIP	FUEL							
WELDERS (CONT'D)														
GASOLINE ENGINE DRIVE														
8940	200 AMP W/1 AXLE TRLR	39 HP G	4,802	5.44	0.27	0.57	3.60		11					
8945	250 AMP W/1 AXLE TRLR	39 HP G	5,038	5.49	0.29	0.60	3.60		17					
8950	300 AMP W/1 AXLE TRLR	65 HP G	5,480	8.57	0.32	0.66	6.00		17					
8955	400 AMP W/1 AXLE TRLR	69 HP G	6,978	9.33	0.40	0.83	6.37		21					
DIESEL ENGINE DRIVE														
8965	250 AMP W/1 AXLE TRLR	27 HP D	6,524	2.88	0.38	0.79	1.23		21					
8970	300 AMP W/1 AXLE TRLR	38 HP D	6,980	3.58	0.40	0.83	1.73		21					
8975	350 AMP W/2 AXLE TRLR	38 HP D	7,847	3.78	0.45	0.93	1.73		25					
8980	400 AMP W/2 AXLE TRLR	64 HP D	8,479	5.38	0.49	1.01	2.92		30					
MIG														
8990	300AMP W/WIRE FEED AND SHOP GEAR	10 HP E	2,441	1.05	0.15	0.32	0.47		5					
8995	450AMP W/WIRE FEED AND SHOP GEAR	20 HP E	2,511	1.66	0.15	0.32	0.94		5					
RECTIFIER														
9005	200 AMP W/SHOP RUNNING GEAR	19 HP E	1,099	1.35	0.07	0.14	0.89		4					
9010	300 AMP W/SHOP RUNNING GEAR	24 HP E	1,405	1.71	0.08	0.18	1.12		6					
9015	750 AMP W/SHOP RUNNING GEAR	30 HP E	3,880	2.51	0.23	0.50	1.40		7					
9020	1000AMP W/SHOP RUNNING GEAR	42 HP E	6,803	3.76	0.40	0.87	1.97		10					
TRANSFORMER-RECTIFIER														
9030	250 AMP W/SHOP RUNNING GEAR	19 HP E	497	1.25	0.03	0.07	0.89		4					
9035	300 AMP W/SHOP RUNNING GEAR	24 HP E	1,685	1.76	0.10	0.22	1.12		6					

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

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

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

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

Total Hourly Rate	= \$55.00/Hr.
Ownership Rate	(-) \$30.00/Hr.
Ownership adjusted for Age: (Ownership Rate) x (Age Adj. Factor)	
= (\$30.00) x (.82)	= (+) \$24.60/Hr.
Adjusted Total Hourly Rate	= \$49.60/Hr.

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

Total Hourly Rate	= \$55.00/Hr.
Ownership Rate	(-) \$30.00/Hr.
Ownership adjusted for Age: (Ownership Rate) x (Oldest Age Adj. Factor)	
= (\$30.00) x (.52)	= (+) \$15.60/Hr.
Adjusted Total Hourly Rate	= \$40.60/Hr.

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

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

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW											
		1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	
15	AGGREGATE SPREADERS	1.07	1.03	1.00	0.99	1.00	0.93	0.86					
30	AIR COMPRESSORS	1.08	1.04	1.00	1.01	0.99	0.91	0.96					
45	AIR TOOLS, SANDBLASTERS, ETC	1.07	1.04	1.00									
60	ASPHALT DISTRIBUTORS	1.07	1.03	1.00	0.99	1.00	0.93	0.86					
65	ASPHALT AND CONCRETE PAVERS	1.07	1.03	1.00	0.99	1.00	0.93	0.86					
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.02	1.00	0.98	0.96	0.88						
	BACKHOE (SEE KEY NO. 570-601)												
75	BROOMS	1.04	1.02	1.00	0.98	0.96	0.88	0.77					
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.98	0.96	0.88	0.78					
90	BUCKETS, CLAMSHELL & DRAGLINE	1.05	1.03	1.00	0.99	1.00	0.95	0.84					
95	BUCKETS, CONCRETE	1.05	1.03	1.00	0.99	1.00	0.95	0.84					
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.98	0.96	0.89						
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.98	0.96	0.88						
125	CONCRETE FINISHERS & BUGGIES	1.04	1.02	1.00	0.98								
130	CONCRETE SAWS	1.04	1.02	1.00	0.98	0.96	0.88						
135	CONCRETE VIBRATORS	1.07	1.04	1.00									
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.07	1.04	1.00	1.01								
150	0 THRU 25 TON	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72	0.65			
165	OVER 25 TON THRU 50 TON	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.60		
170	OVER 50 TON THRU 150 TON	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61	0.57	0.51
180	OVER 150 TON	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61	0.57	0.52
	DRAGLINE & CLAMSHELL,CRAWLER												0.41
185	0 THRU 1 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72				
190	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.60		
195	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61	0.57	0.51
196	OVER 5 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61	0.57	0.52
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.67	0.61	0.57	
205	CRANES, TOWER	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72	0.65	0.59	0.55	0.49
	CRANES & HYD. EXC., TRK MED												
210	UNDER 26 T. (THRU 1 CY)	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61		
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.74	0.67	0.62	0.58	0.52
230	66 THRU 125 T	1.04	1.02	1.00	0.98	0.96	0.90	0.82	0.74	0.67	0.62	0.58	0.53
240	OVER 125 T	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.74	0.67	0.62	0.57	0.42
255	DRILL, AUGER	1.02	1.01	1.00	1.01	1.00	0.92	0.78					
270	DRILL, BLAST HOLE	1.02	1.01	1.00	1.01	1.00	0.92	0.78					
300	DRILL, CORE	1.02	1.01	1.00	1.01	1.00	0.92	0.78					
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	1.01	1.00	1.01	1.00	0.92	0.79	0.68	0.63	0.56		
330	DRILL, ROTARY OVER 11" DIA.	1.02	1.01	1.00	1.01	1.00	0.92	0.79	0.69	0.64	0.58	0.55	0.52
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	1.01	1.00	1.01	1.00	0.92	0.79	0.69	0.64	0.58	0.55	0.45
375	FORK LIFTS	1.04	1.02	1.00	0.98	0.96	0.88	0.78					
390	GRADERS	1.05	1.03	1.00	1.00	0.97	0.88	0.79	0.69				
420	GENERATORS	1.06	1.04	1.00	0.97	0.95	0.92						
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.04	1.02	1.00	0.98	0.96	0.88	0.78					
440	LIGHT PLANTS	1.04	1.02	1.00	0.98	0.96	0.88						
450	LOADER, BELT	1.04	1.02	1.00	0.98	0.96	0.88	0.77					
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE,CRAWLER TYPE LOADER, WHEEL TYPE	1.00	0.99	1.00	1.00	0.96	0.87	0.78					
465	0 THRU 225 HP	1.02	1.01	1.00	0.98	0.95	0.85	0.70					
470	OVER 225 HP	1.02	1.01	1.00	0.98	0.96	0.86	0.72	0.63				
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.02	1.01	1.00	0.98	0.95	0.85	0.70					

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW											
		1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.02	1.00	0.98								
485	PIPELAYERS PUMP, GROUT (SEE KEY NO. 105)	1.00	0.99	1.00	1.00	0.96	0.96	0.86	0.78	0.78			
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.98	0.96	0.96	0.88	0.78				
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.98	0.96	0.96	0.88	0.78				
510	RIPPERS	1.00	0.99	1.00	1.00	0.96	0.96	0.87					
525	ROLLERS, EXCEPT VIB. ROLLERS	1.08	1.05	1.00	0.95	0.85	0.79	0.70					
530	ROLLERS, VIBRATORY	1.09	1.05	1.00	0.95	0.85	0.78						
540	SCRAPERS, STANDARD	1.05	1.03	1.00	1.00	0.97	0.89	0.80					
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.05	1.03	1.00	1.00	0.97	0.89	0.80					
545	0 THRU 200 HP	1.05	1.03	1.00	1.00	0.97	0.88	0.79					
550	OVER 200 HP	1.05	1.03	1.00	1.00	0.97	0.89	0.80					
555	SCRAPERS, TRACTOR DRAWN	1.05	1.03	1.00	1.00	0.97	0.88	0.80	0.70				
560	SOIL STABILIZERS SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED	1.05	1.03	1.00	1.00	0.97	0.88	0.79					
570	0 THRU 1 CY	1.05	1.02	1.00	0.98	0.95	0.88						
585	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.81					
595	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.81	0.72				
600	OVER 5 CY	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61		
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.04	1.02	1.00	0.98	0.96	0.89	0.82	0.73	0.66	0.61	0.57	0.51
615	0 THRU 225 HP	1.00	0.99	1.00	1.00	0.96	0.86	0.77					
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.00	0.99	1.00	1.00	0.96	0.87	0.78					
625	OVER 425 HP	1.00	0.99	1.00	1.00	0.96	0.87	0.79	0.70				
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.00	0.99	1.00	1.00	0.96	0.87	0.78					
645	TRACTOR, WHEEL TYPE	1.08	1.05	1.00	0.97	0.96	0.87	0.77					
650	TRENCHER	1.04	1.02	1.00	0.98	0.91	0.79	0.67					
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.98	0.96	0.89	0.79					
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.05	1.02	1.00	0.98	0.95	0.87	0.76					
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING												
670	DUMP BODIES	1.04	1.02	1.00	0.98	0.96	0.88						
675	ALL OTHER ACCESSORIES TRUCK, HIGHWAY	1.04	1.02	1.00	0.98	0.96	0.88						
690	0 THRU 10,000 GVW	1.09	1.04	1.00	0.95								
695	OVER 10,000 THRU 30,000 GVW	1.09	1.04	1.00	0.95	0.91	0.83						
705	OVER 30,000 GVW	1.08	1.03	1.00	0.95	0.91	0.84						
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.99	0.96	0.88	0.76	0.65				
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.99	0.96	0.88	0.76	0.65				
780	WAGON, WATER	1.03	1.01	1.00	0.99	0.96	0.87	0.75	0.64				
785	WATER BLASTER	1.04	1.02	1.00	0.98								
795	WATER TANKS	1.04	1.02	1.00	0.98	0.96	0.89	0.79	0.68				
810	WELDERS	1.05	1.02	1.00	0.98	0.95	0.87						
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.98	0.96	0.88						



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

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

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

Hourly Standby Rate	= \$18.00/Hr.
Standby Adjusted for Age (Standby Rate) x (Age Adj. Factor) = (\$18.00) x (.84)	= \$15.12/Hr.

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
15	AGGREGATE SPREADERS	1.06	1.03	1.00	0.99	1.00	0.94	0.88						
30	AIR COMPRESSORS	1.06	1.03	1.00	1.01	0.99	0.93	0.97						
45	AIR TOOLS, SANDBLASTERS, ETC	1.07	1.03	1.00										
60	ASPHALT DISTRIBUTORS	1.06	1.03	1.00	0.99	1.00	0.94	0.88						
65	ASPHALT AND CONCRETE PAVERS	1.06	1.03	1.00	0.99	1.00	0.94	0.88						
70	ASPHALT KETTLES AND RECYCLERS BACKHOE (SEE KEY NO. 570-601)	1.04	1.02	1.00	0.99	0.96	0.89							
75	BROOMS	1.04	1.02	1.00	0.99	0.96	0.90	0.81						
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.99	0.96	0.90	0.81						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.05	1.03	1.00	0.99	1.00	0.95	0.86						
95	BUCKETS, CONCRETE	1.05	1.03	1.00	0.99	1.00	0.95	0.85						
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.99	0.96	0.90							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.99	0.96	0.89							
125	CONCRETE FINISHERS & BUGGIES	1.04	1.02	1.00	0.98									
130	CONCRETE SAWS	1.04	1.02	1.00	0.99	0.96	0.89							
135	CONCRETE VIBRATORS	1.07	1.03	1.00										
140	COMPACTORS, MANUALLY OPERATED CRANE, CRAWLER TYPE	1.06	1.03	1.00	1.01									
150	0 THRU 25 TON	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.69				
165	OVER 25 TON THRU 50 TON	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65			
170	OVER 50 TON THRU 150 TON	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.76	0.70	0.66	0.62	0.57	
180	OVER 150 TON DRAGLINE & CLAMSHELL,CRAWLER	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.77	0.71	0.66	0.62	0.58	0.48
185	0 THRU 1 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.83	0.75					
190	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65			
195	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.76	0.70	0.66	0.62	0.57	
196	OVER 5 CY	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.77	0.71	0.66	0.62	0.58	0.48
200	CRANES, HYDRAULIC, SELF- PROPELLED	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65	0.61		
205	CRANES, TOWER CRANES & HYD. EXC., TRK MTD	1.03	1.02	1.00	0.98	0.96	0.91	0.84	0.77	0.71	0.66	0.63	0.58	
210	UNDER 26 T. (THRU 1 CY)	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.70	0.65	0.62	0.57	
230	66 THRU 125 T	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.76	0.70	0.65	0.62	0.57	0.48
240	OVER 125 T	1.03	1.02	1.00	0.98	0.96	0.91	0.84	0.77	0.71	0.66	0.63	0.58	0.49
255	DRILL, AUGER	1.02	1.01	1.00	1.01	1.00	0.93	0.81						
270	DRILL, BLAST HOLE	1.02	1.01	1.00	1.01	1.00	0.93	0.81						
300	DRILL, CORE	1.02	1.01	1.00	1.01	1.00	0.93	0.81						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.02	1.01	1.00	1.01	1.00	0.93	0.81	0.72	0.67	0.62			
330	DRILL, ROTARY OVER 11" DIA.	1.02	1.01	1.00	1.01	1.00	0.93	0.82	0.73	0.68	0.63	0.61	0.58	0.52
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.02	1.01	1.00	1.01	1.00	0.93	0.82	0.73	0.68	0.63	0.61	0.58	0.52
375	FORK LIFTS	1.04	1.02	1.00	0.99	0.96	0.90	0.81						
390	GRADERS	1.05	1.03	1.00	1.00	0.98	0.90	0.82	0.74					
420	GENERATORS	1.05	1.03	1.00	0.97	0.95	0.93							
435	HOIST HYD. EXCAVATOR (SEE KEY NO. 570-601)	1.04	1.02	1.00	0.99	0.96	0.90	0.81						
440	LIGHT PLANTS	1.04	1.02	1.00	0.99	0.96	0.89							
450	LOADER, BELT	1.04	1.02	1.00	0.99	0.96	0.90	0.81						
460	LOADER, FRONT END & LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.00	0.99	1.00	1.00	0.96	0.88	0.80						
465	LOADER, WHEEL TYPE	1.02	1.01	1.00	0.98	0.96	0.87	0.74						
470	OVER 225 HP	1.02	1.01	1.00	0.98	0.96	0.87	0.75	0.66					
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.02	1.01	1.00	0.98	0.96	0.87	0.74						

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.04	1.02	1.00	0.98									
485	PIPELAYERS	1.00	0.99	1.00	1.00	0.96	0.88	0.81	0.73					
495	PUMP, GROUT (SEE KEY NO. 105)	1.04	1.02	1.00	0.99	0.96	0.90	0.81						
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.99	0.96	0.90	0.81						
510	RIPPERS	1.00	0.99	1.00	1.00	0.96	0.88							
525	ROLLERS, EXCEPT VIB. ROLLERS	1.07	1.04	1.00	0.95	0.87	0.81	0.74						
530	ROLLERS, VIBRATORY	1.08	1.04	1.00	0.95	0.87	0.81							
540	SCRAPERS, STANDARD	1.05	1.03	1.00	1.00	0.98	0.90	0.82						
542	SCRAPERS, TANDEM POWERED SCRAPERS, ELEVATING	1.05	1.03	1.00	1.00	0.98	0.90	0.82						
545	0 THRU 200 HP	1.05	1.03	1.00	1.00	0.98	0.90	0.82						
550	OVER 200 HP	1.05	1.03	1.00	1.00	0.98	0.90	0.82						
555	SCRAPERS, TRACTOR DRAWN	1.05	1.03	1.00	1.00	0.98	0.90	0.82	0.74					
560	SOIL STABILIZERS SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED	1.05	1.03	1.00	1.00	0.98	0.90	0.82						
570	0 THRU 1 CY	1.04	1.02	1.00	0.98	0.96	0.90							
585	OVER 1 CY THRU 2-1/2 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.83						
595	OVER 2-1/2 CY THRU 5 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.83	0.75					
600	OVER 5 CY	1.04	1.02	1.00	0.98	0.96	0.90	0.84	0.76	0.69	0.65			
601	OVER 2-1/2 CY ELECTRIC TRACTOR, CRAWLER TYPE	1.04	1.02	1.00	0.98	0.96	0.91	0.84	0.76	0.70	0.66	0.62	0.57	
615	0 THRU 225 HP	1.00	0.99	1.00	1.00	0.96	0.88	0.80						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.00	0.99	1.00	1.00	0.96	0.88	0.80						
625	OVER 425 HP	1.00	0.99	1.00	1.00	0.96	0.88	0.81	0.73					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.00	0.99	1.00	1.00	0.96	0.88	0.80						
645	TRACTOR, WHEEL TYPE	1.07	1.04	1.00	0.97	0.97	0.89	0.80						
650	TRENCHER	1.03	1.01	1.00	0.98	0.92	0.81	0.71						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.99	0.96	0.90	0.81						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.04	1.02	1.00	0.99	0.96	0.90	0.81						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.04	1.02	1.00	0.99	0.96	0.89							
675	ALL OTHER ACCESSORIES	1.04	1.02	1.00	0.99	0.96	0.89							
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.08	1.03	1.00	0.96									
695	OVER 10,000 THRU 30,000 GVW	1.07	1.03	1.00	0.96	0.92	0.86							
705	OVER 30,000 GVW	1.07	1.03	1.00	0.96	0.92	0.86							
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.99	0.97	0.89	0.78	0.68					
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.99	0.97	0.89	0.78	0.68					
780	WAGON, WATER	1.03	1.01	1.00	0.99	0.97	0.89	0.78	0.69					
785	WATER BLASTER	1.04	1.02	1.00	0.98									
795	WATER TANKS	1.04	1.02	1.00	0.99	0.96	0.90	0.81	0.72					
810	WELDERS	1.04	1.02	1.00	0.98	0.96	0.89							
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.99	0.96	0.89							



TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

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

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

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

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

Service Life From APP. D	Equipment Usage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.89
6,000	1.00	0.98	0.97	0.95	0.93	0.92	0.91	0.90	0.88	0.87	0.87	0.86	0.85
8,000	1.00	0.97	0.96	0.93	0.92	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82
9,000	1.00	0.97	0.95	0.93	0.91	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.80
10,000	1.00	0.97	0.95	0.92	0.90	0.88	0.87	0.85	0.84	0.82	0.81	0.80	0.79
11,000	1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.84	0.83	0.81	0.80	0.79	0.78
12,000	1.00	0.96	0.95	0.91	0.89	0.87	0.85	0.84	0.82	0.80	0.79	0.78	0.76
13,000	1.00	0.96	0.94	0.91	0.88	0.86	0.85	0.83	0.81	0.79	0.78	0.77	0.75
14,000	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
15,000	1.00	0.96	0.94	0.90	0.87	0.85	0.83	0.81	0.79	0.77	0.76	0.75	0.73
16,000	1.00	0.96	0.93	0.90	0.87	0.85	0.83	0.80	0.78	0.77	0.75	0.74	0.72
18,000	1.00	0.95	0.93	0.89	0.86	0.84	0.81	0.79	0.77	0.75	0.73	0.72	0.70
20,000	1.00	0.95	0.93	0.89	0.85	0.83	0.80	0.78	0.75	0.73	0.72	0.70	0.68
22,000	1.00	0.95	0.92	0.88	0.84	0.82	0.79	0.77	0.74	0.72	0.70	0.69	0.67
50,000	1.00	0.93	0.89	0.83	0.78	0.74	0.71	0.67	0.63	0.61	0.58	0.56	0.53

TABLE 3-5. HOURLY RATE ELEMENT

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
1015	4.31	1.88	10.70	2.57	0.23	0.03	3.79	23.51								
1020	4.83	2.10	4.07	0.98	0.23	0.03	4.25	16.49								
1035	0.74	0.39	3.76	1.20	0.02	0.00	0.75	6.86								
1040	0.89	0.47	1.22	0.34	0.02	0.00	0.90	3.84								
1045	0.91	0.48	5.27	1.69	0.02	0.00	0.92	9.29								
1050	0.96	0.51	1.88	0.53	0.02	0.00	0.98	4.88								
1055	0.99	0.53	5.27	1.69	0.02	0.00	1.01	9.51								
1060	1.13	0.60	1.99	0.56	0.02	0.00	1.14	5.44								
1065	1.02	0.54	5.27	1.69	0.02	0.00	1.04	9.58								
1070	1.21	0.64	2.54	0.71	0.02	0.00	1.23	6.35								
1075	1.81	0.96	3.24	0.91	0.03	0.00	1.83	8.78								
1080	2.18	1.19	4.50	1.26	0.15	0.02	2.23	11.53								
1085	2.85	1.54	5.60	1.57	0.15	0.02	2.91	14.64								
1090	3.42	1.85	6.93	1.94	0.17	0.03	3.49	17.83								
1095	3.98	2.14	8.40	2.35	0.17	0.03	4.06	21.13								
1100	4.54	2.44	9.58	2.68	0.17	0.03	4.63	24.07								
1105	4.99	2.67	9.95	2.79	0.17	0.03	5.08	25.68								
1110	5.58	2.98	10.84	3.03	0.17	0.03	5.68	28.31								
1115	6.70	3.57	14.74	4.13	0.17	0.03	6.81	36.15								
1120	7.57	4.03	16.81	4.71	0.21	0.03	7.70	41.06								
1135	0.29	0.06	0.00	0.06	0.00	0.00	0.55	0.96								
1140	0.53	0.10	0.00	0.06	0.00	0.00	1.00	1.69								
1145	0.53	0.10	0.00	0.06	0.00	0.00	1.00	1.69								
1150	0.59	0.11	0.00	0.13	0.00	0.00	1.10	1.93								
1155	0.79	0.15	0.00	0.13	0.00	0.00	1.49	2.56								
1160	2.24	0.45	0.00	0.27	0.05	0.01	4.23	7.25								
1165	2.64	0.55	0.00	0.40	0.14	0.02	5.04	8.79								
1170	3.27	0.67	0.00	0.50	0.14	0.02	6.21	10.81								
1180	0.18	0.03	0.00	0.06	0.00	0.00	0.33	0.60								
1185	0.39	0.08	0.00	0.11	0.00	0.00	0.73	1.31								
1190	0.18	0.04	0.00	0.06	0.00	0.00	0.34	0.62								
1195	0.20	0.04	0.00	0.06	0.00	0.00	0.37	0.67								
1200	0.21	0.04	0.00	0.06	0.00	0.00	0.40	0.71								
1205	0.72	0.14	0.00	0.13	0.00	0.00	1.35	2.34								
1215	0.38	0.07	0.00	0.15	0.00	0.00	1.20	1.80								
1220	0.25	0.05	0.00	0.13	0.00	0.00	0.77	1.20								
1225	0.22	0.04	0.00	0.10	0.00	0.00	0.69	1.05								
1230	0.20	0.04	0.00	0.08	0.00	0.00	0.63	0.95								
1235	0.16	0.03	0.00	0.06	0.00	0.00	0.49	0.74								
1245	2.43	1.04	3.39	1.08	0.00	0.00	2.58	10.52								
1250	2.49	1.06	3.39	1.08	0.00	0.00	2.64	10.66								
1255	2.66	1.13	3.39	1.08	0.00	0.00	2.83	11.09								
1260	2.98	1.27	3.39	1.08	0.00	0.00	3.17	11.89								
1270	6.88	3.00	2.58	0.72	0.37	0.06	7.78	21.39								
1275	11.34	4.98	3.50	0.98	0.81	0.12	12.84	34.57								
1280	12.78	5.59	4.79	1.34	0.81	0.12	14.45	39.88								
1285	15.51	6.60	4.79	1.34	0.00	0.00	17.44	45.68								
1295	3.68	1.63	1.11	0.31	0.35	0.05	4.18	11.31								
1300	6.21	2.71	1.62	0.45	0.35	0.05	7.03	18.42								
1305	8.28	3.62	2.06	0.58	0.52	0.08	9.36	24.50								
1310	9.96	4.39	3.50	0.98	0.81	0.12	11.29	31.05								
1315	11.83	5.22	3.39	0.95	0.99	0.15	13.41	35.94								
1320	15.34	6.78	5.46	1.53	1.38	0.21	17.40	48.10								
1325	11.37	4.84	3.32	0.93	0.00	0.00	12.79	33.25								
1330	13.69	5.83	4.61	1.29	0.00	0.00	15.41	40.83								

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TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
1340	0.36	0.13	0.00	1.00	0.02	0.00	0.35	1.86								
1345	0.42	0.15	0.00	1.11	0.02	0.00	0.41	2.11								
1355	1.01	0.35	0.60	1.78	0.03	0.00	0.98	4.75								
1365	0.47	0.23	0.00	0.18	0.02	0.00	0.50	1.40								
1370	0.61	0.29	2.26	0.54	0.02	0.00	0.64	4.36								
1375	0.24	0.11	0.00	0.18	0.00	0.00	0.24	0.77								
1380	0.43	0.20	0.00	0.12	0.00	0.00	0.44	1.19								
1390	0.92	0.39	7.87	2.52	0.00	0.00	1.01	12.71								
1395	0.99	0.43	7.87	2.52	0.04	0.01	1.09	12.95								
1405	0.86	0.33	0.00	0.00	0.00	0.00	0.69	1.88	1.07	0.34	0.00	0.00	0.00	0.00	0.99	2.40
1410	0.92	0.35	0.00	0.00	0.00	0.00	0.74	2.01	1.15	0.36	0.00	0.00	0.00	0.00	1.06	2.57
1415	1.33	0.51	0.00	0.00	0.00	0.00	1.08	2.92	1.67	0.53	0.00	0.00	0.00	0.00	1.54	3.74
1420	1.57	0.60	0.00	0.00	0.00	0.00	1.26	3.43	1.96	0.62	0.00	0.00	0.00	0.00	1.81	4.39
1425	2.02	0.78	0.00	0.00	0.00	0.00	1.63	4.43	2.53	0.80	0.00	0.00	0.00	0.00	2.33	5.66
1430	2.15	0.83	0.00	0.00	0.00	0.00	1.74	4.72	2.69	0.85	0.00	0.00	0.00	0.00	2.48	6.02
1435	2.34	0.90	0.00	0.00	0.00	0.00	1.89	5.13	2.93	0.92	0.00	0.00	0.00	0.00	2.70	6.55
1440	2.59	1.00	0.00	0.00	0.00	0.00	2.09	5.68	3.24	1.02	0.00	0.00	0.00	0.00	2.99	7.25
1445	2.82	1.08	0.00	0.00	0.00	0.00	2.28	6.18	3.52	1.11	0.00	0.00	0.00	0.00	3.25	7.88
1450	3.00	1.15	0.00	0.00	0.00	0.00	2.42	6.57	3.76	1.18	0.00	0.00	0.00	0.00	3.46	8.40
1455	3.33	1.28	0.00	0.00	0.00	0.00	2.68	7.29	4.16	1.31	0.00	0.00	0.00	0.00	3.84	9.31
1460	3.46	1.33	0.00	0.00	0.00	0.00	2.79	7.58	4.33	1.36	0.00	0.00	0.00	0.00	3.99	9.68
1465	3.56	1.37	0.00	0.00	0.00	0.00	2.87	7.80	4.45	1.40	0.00	0.00	0.00	0.00	4.11	9.96
1470	3.75	1.44	0.00	0.00	0.00	0.00	3.03	8.22	4.69	1.48	0.00	0.00	0.00	0.00	4.32	10.49
1475	3.90	1.50	0.00	0.00	0.00	0.00	3.15	8.55	4.88	1.54	0.00	0.00	0.00	0.00	4.50	10.92
1485	0.82	0.31	0.00	0.00	0.00	0.00	0.66	1.79	1.02	0.32	0.00	0.00	0.00	0.00	0.94	2.28
1490	1.14	0.44	0.00	0.00	0.00	0.00	0.92	2.50	1.42	0.45	0.00	0.00	0.00	0.00	1.31	3.18
1495	1.67	0.64	0.00	0.00	0.00	0.00	1.35	3.66	2.09	0.66	0.00	0.00	0.00	0.00	1.93	4.68
1500	1.81	0.70	0.00	0.00	0.00	0.00	1.46	3.97	2.26	0.71	0.00	0.00	0.00	0.00	2.09	5.06
1505	2.28	0.87	0.00	0.00	0.00	0.00	1.84	4.99	2.85	0.90	0.00	0.00	0.00	0.00	2.62	6.37
1510	2.51	0.96	0.00	0.00	0.00	0.00	2.02	5.49	3.13	0.99	0.00	0.00	0.00	0.00	2.89	7.01
1515	2.88	1.11	0.00	0.00	0.00	0.00	2.33	6.32	3.60	1.14	0.00	0.00	0.00	0.00	3.32	8.06
1520	3.11	1.20	0.00	0.00	0.00	0.00	2.51	6.82	3.89	1.23	0.00	0.00	0.00	0.00	3.59	8.71
1525	3.35	1.29	0.00	0.00	0.00	0.00	2.71	7.35	4.19	1.32	0.00	0.00	0.00	0.00	3.87	9.38
1530	3.60	1.38	0.00	0.00	0.00	0.00	2.90	7.88	4.50	1.42	0.00	0.00	0.00	0.00	4.15	10.07
1535	3.81	1.46	0.00	0.00	0.00	0.00	3.07	8.34	4.76	1.50	0.00	0.00	0.00	0.00	4.39	10.65
1540	4.01	1.54	0.00	0.00	0.00	0.00	3.23	8.78	5.01	1.58	0.00	0.00	0.00	0.00	4.62	11.21
1545	4.23	1.63	0.00	0.00	0.00	0.00	3.41	9.27	5.29	1.67	0.00	0.00	0.00	0.00	4.88	11.84
1550	4.42	1.70	0.00	0.00	0.00	0.00	3.57	9.69	5.53	1.74	0.00	0.00	0.00	0.00	5.10	12.37
1555	4.61	1.77	0.00	0.00	0.00	0.00	3.72	10.10	5.76	1.81	0.00	0.00	0.00	0.00	5.31	12.88
1565	1.30	0.50	0.00	0.00	0.00	0.00	1.05	2.85	1.62	0.51	0.00	0.00	0.00	0.00	1.49	3.62
1570	1.32	0.51	0.00	0.00	0.00	0.00	1.07	2.90	1.65	0.52	0.00	0.00	0.00	0.00	1.52	3.69
1575	1.91	0.73	0.00	0.00	0.00	0.00	1.54	4.18	2.39	0.75	0.00	0.00	0.00	0.00	2.20	5.34
1580	2.35	0.90	0.00	0.00	0.00	0.00	1.90	5.15	2.94	0.93	0.00	0.00	0.00	0.00	2.71	6.58
1585	2.65	1.02	0.00	0.00	0.00	0.00	2.14	5.81	3.31	1.04	0.00	0.00	0.00	0.00	3.05	7.40
1590	2.89	1.11	0.00	0.00	0.00	0.00	2.33	6.33	3.61	1.14	0.00	0.00	0.00	0.00	3.33	8.08
1595	3.12	1.20	0.00	0.00	0.00	0.00	2.51	6.83	3.89	1.23	0.00	0.00	0.00	0.00	3.59	8.71
1600	3.32	1.27	0.00	0.00	0.00	0.00	2.68	7.27	4.15	1.31	0.00	0.00	0.00	0.00	3.82	9.28
1605	3.46	1.33	0.00	0.00	0.00	0.00	2.79	7.58	4.32	1.36	0.00	0.00	0.00	0.00	3.99	9.67
1610	3.76	1.44	0.00	0.00	0.00	0.00	3.04	8.24	4.70	1.48	0.00	0.00	0.00	0.00	4.34	10.52
1615	4.00	1.54	0.00	0.00	0.00	0.00	3.23	8.77	5.00	1.58	0.00	0.00	0.00	0.00	4.61	11.19
1620	4.22	1.62	0.00	0.00	0.00	0.00	3.40	9.24	5.27	1.66	0.00	0.00	0.00	0.00	4.86	11.79
1625	4.46	1.71	0.00	0.00	0.00	0.00	3.60	9.77	5.57	1.76	0.00	0.00	0.00	0.00	5.14	12.47
1630	4.64	1.78	0.00	0.00	0.00	0.00	3.74	10.16	5.80	1.83	0.00	0.00	0.00	0.00	5.35	12.98
1635	4.87	1.87	0.00	0.00	0.00	0.00	3.93	10.67	6.09	1.92	0.00	0.00	0.00	0.00	5.62	13.63
1645	0.12	0.05	0.00	0.00	0.00	0.00	0.10	0.27								

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
1650	0.15	0.06	0.00	0.00	0.00	0.00	0.13	0.34								
1655	0.20	0.08	0.00	0.00	0.00	0.00	0.17	0.45								
1660	0.27	0.12	0.00	0.00	0.00	0.00	0.24	0.63								
1665	0.35	0.15	0.00	0.00	0.00	0.00	0.30	0.80								
1675	0.50	0.21	0.00	0.00	0.00	0.00	0.43	1.14								
1680	0.52	0.22	0.00	0.00	0.00	0.00	0.45	1.19								
1685	0.54	0.23	0.00	0.00	0.00	0.00	0.47	1.24								
1690	0.71	0.30	0.00	0.00	0.00	0.00	0.61	1.62								
1695	0.74	0.31	0.00	0.00	0.00	0.00	0.63	1.68								
1700	1.06	0.45	0.00	0.00	0.00	0.00	0.92	2.43								
1705	1.28	0.54	0.00	0.00	0.00	0.00	1.10	2.92								
1715	0.57	0.24	0.00	0.00	0.00	0.00	0.49	1.30								
1720	0.63	0.27	0.00	0.00	0.00	0.00	0.55	1.45								
1725	0.73	0.31	0.00	0.00	0.00	0.00	0.63	1.67								
1730	0.82	0.35	0.00	0.00	0.00	0.00	0.70	1.87								
1735	0.95	0.40	0.00	0.00	0.00	0.00	0.82	2.17								
1750	0.29	0.11	0.00	0.00	0.00	0.00	0.23	0.63	0.36	0.11	0.00	0.00	0.00	0.00	0.33	0.80
1755	0.34	0.13	0.00	0.00	0.00	0.00	0.27	0.74	0.42	0.13	0.00	0.00	0.00	0.00	0.39	0.94
1760	0.41	0.16	0.00	0.00	0.00	0.00	0.33	0.90	0.52	0.16	0.00	0.00	0.00	0.00	0.48	1.16
1765	0.49	0.19	0.00	0.00	0.00	0.00	0.39	1.07	0.61	0.19	0.00	0.00	0.00	0.00	0.56	1.36
1770	0.57	0.22	0.00	0.00	0.00	0.00	0.46	1.25	0.72	0.23	0.00	0.00	0.00	0.00	0.66	1.61
1775	0.71	0.27	0.00	0.00	0.00	0.00	0.57	1.55	0.89	0.28	0.00	0.00	0.00	0.00	0.82	1.99
1780	0.78	0.30	0.00	0.00	0.00	0.00	0.63	1.71	0.98	0.31	0.00	0.00	0.00	0.00	0.90	2.19
1785	0.95	0.37	0.00	0.00	0.00	0.00	0.77	2.09	1.19	0.38	0.00	0.00	0.00	0.00	1.10	2.67
1790	1.01	0.39	0.00	0.00	0.00	0.00	0.82	2.22	1.27	0.40	0.00	0.00	0.00	0.00	1.17	2.84
1795	1.22	0.47	0.00	0.00	0.00	0.00	0.99	2.68	1.53	0.48	0.00	0.00	0.00	0.00	1.41	3.42
1800	1.32	0.51	0.00	0.00	0.00	0.00	1.07	2.90	1.66	0.52	0.00	0.00	0.00	0.00	1.53	3.71
1805	1.45	0.56	0.00	0.00	0.00	0.00	1.17	3.18	1.81	0.57	0.00	0.00	0.00	0.00	1.67	4.05
1810	1.61	0.62	0.00	0.00	0.00	0.00	1.30	3.53	2.01	0.63	0.00	0.00	0.00	0.00	1.85	4.49
1815	1.85	0.71	0.00	0.00	0.00	0.00	1.50	4.06	2.32	0.73	0.00	0.00	0.00	0.00	2.14	5.19
1820	2.02	0.77	0.00	0.00	0.00	0.00	1.63	4.42	2.52	0.79	0.00	0.00	0.00	0.00	2.32	5.63
1825	2.48	0.95	0.00	0.00	0.00	0.00	2.00	5.43	3.10	0.98	0.00	0.00	0.00	0.00	2.86	6.94
1830	2.85	1.09	0.00	0.00	0.00	0.00	2.30	6.24	3.56	1.12	0.00	0.00	0.00	0.00	3.28	7.96
1840	0.33	0.13	0.00	0.00	0.00	0.00	0.27	0.73	0.42	0.13	0.00	0.00	0.00	0.00	0.38	0.93
1845	0.41	0.16	0.00	0.00	0.00	0.00	0.33	0.90	0.51	0.16	0.00	0.00	0.00	0.00	0.47	1.14
1850	0.51	0.19	0.00	0.00	0.00	0.00	0.41	1.11	0.63	0.20	0.00	0.00	0.00	0.00	0.58	1.41
1855	0.60	0.23	0.00	0.00	0.00	0.00	0.49	1.32	0.75	0.24	0.00	0.00	0.00	0.00	0.69	1.68
1860	0.69	0.27	0.00	0.00	0.00	0.00	0.56	1.52	0.87	0.27	0.00	0.00	0.00	0.00	0.80	1.94
1865	0.83	0.32	0.00	0.00	0.00	0.00	0.67	1.82	1.04	0.33	0.00	0.00	0.00	0.00	0.96	2.33
1870	0.92	0.35	0.00	0.00	0.00	0.00	0.74	2.01	1.15	0.36	0.00	0.00	0.00	0.00	1.06	2.57
1875	1.10	0.42	0.00	0.00	0.00	0.00	0.89	2.41	1.38	0.43	0.00	0.00	0.00	0.00	1.27	3.08
1880	1.18	0.45	0.00	0.00	0.00	0.00	0.95	2.58	1.47	0.46	0.00	0.00	0.00	0.00	1.36	3.29
1885	1.51	0.58	0.00	0.00	0.00	0.00	1.22	3.31	1.89	0.59	0.00	0.00	0.00	0.00	1.74	4.22
1890	1.56	0.60	0.00	0.00	0.00	0.00	1.26	3.42	1.95	0.61	0.00	0.00	0.00	0.00	1.80	4.36
1895	1.78	0.68	0.00	0.00	0.00	0.00	1.44	3.90	2.22	0.70	0.00	0.00	0.00	0.00	2.05	4.97
1900	1.96	0.75	0.00	0.00	0.00	0.00	1.58	4.29	2.45	0.77	0.00	0.00	0.00	0.00	2.26	5.48
1905	2.34	0.90	0.00	0.00	0.00	0.00	1.89	5.13	2.93	0.92	0.00	0.00	0.00	0.00	2.70	6.55
1910	2.50	0.96	0.00	0.00	0.00	0.00	2.02	5.48	3.12	0.98	0.00	0.00	0.00	0.00	2.88	6.98
1915	3.18	1.22	0.00	0.00	0.00	0.00	2.57	6.97	3.98	1.25	0.00	0.00	0.00	0.00	3.67	8.90
1920	3.54	1.36	0.00	0.00	0.00	0.00	2.86	7.76	4.43	1.40	0.00	0.00	0.00	0.00	4.09	9.92
1930	1.33	0.51	0.00	0.00	0.00	0.00	1.08	2.92	1.67	0.53	0.00	0.00	0.00	0.00	1.54	3.74
1935	1.39	0.53	0.00	0.00	0.00	0.00	1.12	3.04	1.73	0.55	0.00	0.00	0.00	0.00	1.60	3.88
1940	1.55	0.60	0.00	0.00	0.00	0.00	1.25	3.40	1.94	0.61	0.00	0.00	0.00	0.00	1.79	4.34
1945	2.08	0.80	0.00	0.00	0.00	0.00	1.68	4.56	2.60	0.82	0.00	0.00	0.00	0.00	2.40	5.82
1950	2.32	0.89	0.00	0.00	0.00	0.00	1.87	5.08	2.90	0.92	0.00	0.00	0.00	0.00	2.68	6.50

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
1955	2.40	0.92	0.00	0.00	0.00	0.00	1.94	5.26	3.00	0.94	0.00	0.00	0.00	0.00	2.77	6.71
1960	2.57	0.99	0.00	0.00	0.00	0.00	2.07	5.63	3.21	1.01	0.00	0.00	0.00	0.00	2.96	7.18
1965	3.27	1.25	0.00	0.00	0.00	0.00	2.64	7.16	4.08	1.29	0.00	0.00	0.00	0.00	3.76	9.13
1970	3.36	1.29	0.00	0.00	0.00	0.00	2.71	7.36	4.20	1.32	0.00	0.00	0.00	0.00	3.87	9.39
1975	4.27	1.64	0.00	0.00	0.00	0.00	3.45	9.36	5.34	1.68	0.00	0.00	0.00	0.00	4.92	11.94
1980	4.43	1.70	0.00	0.00	0.00	0.00	3.58	9.71	5.54	1.75	0.00	0.00	0.00	0.00	5.11	12.40
1985	5.27	2.03	0.00	0.00	0.00	0.00	4.26	11.56	6.59	2.08	0.00	0.00	0.00	0.00	6.08	14.75
1990	5.62	2.16	0.00	0.00	0.00	0.00	4.54	12.32	7.03	2.21	0.00	0.00	0.00	0.00	6.48	15.72
2000	0.81	0.31	0.00	0.00	0.00	0.00	0.66	1.78	1.02	0.32	0.00	0.00	0.00	0.00	0.94	2.28
2005	1.04	0.40	0.00	0.00	0.00	0.00	0.84	2.28	1.30	0.41	0.00	0.00	0.00	0.00	1.20	2.91
2010	1.43	0.55	0.00	0.00	0.00	0.00	1.15	3.13	1.79	0.56	0.00	0.00	0.00	0.00	1.65	4.00
2015	1.89	0.73	0.00	0.00	0.00	0.00	1.53	4.15	2.36	0.74	0.00	0.00	0.00	0.00	2.18	5.28
2020	2.83	1.09	0.00	0.00	0.00	0.00	2.28	6.20	3.53	1.11	0.00	0.00	0.00	0.00	3.26	7.90
2025	3.22	1.24	0.00	0.00	0.00	0.00	2.60	7.06	4.03	1.27	0.00	0.00	0.00	0.00	3.72	9.02
2030	3.91	1.50	0.00	0.00	0.00	0.00	3.15	8.56	4.88	1.54	0.00	0.00	0.00	0.00	4.50	10.92
2035	4.75	1.82	0.00	0.00	0.00	0.00	3.83	10.40	5.93	1.87	0.00	0.00	0.00	0.00	5.47	13.27
2040	5.76	2.21	0.00	0.00	0.00	0.00	4.65	12.62	7.20	2.27	0.00	0.00	0.00	0.00	6.64	16.11
2045	6.68	2.57	0.00	0.00	0.00	0.00	5.39	14.64	8.35	2.63	0.00	0.00	0.00	0.00	7.70	18.68
2055	0.22	0.06	0.31	0.07	0.00	0.00	0.33	0.99								
2060	0.22	0.06	0.31	0.07	0.00	0.00	0.33	0.99								
2065	0.39	0.11	0.41	0.10	0.00	0.00	0.59	1.60								
2070	0.31	0.08	0.52	0.12	0.00	0.00	0.46	1.49								
2075	0.39	0.11	0.62	0.15	0.00	0.00	0.59	1.86								
2080	0.17	0.05	0.41	0.10	0.00	0.00	0.25	0.98								
2085	0.24	0.07	0.73	0.17	0.00	0.00	0.36	1.57								
2090	0.24	0.07	0.41	0.10	0.00	0.00	0.36	1.18								
2095	0.30	0.08	0.41	0.10	0.00	0.00	0.45	1.34								
2100	0.22	0.06	0.41	0.10	0.00	0.00	0.32	1.11								
2105	0.41	0.11	0.26	0.06	0.00	0.00	0.61	1.45								
2110	0.74	0.20	0.26	0.06	0.00	0.00	1.11	2.37								
2115	1.10	0.30	0.36	0.09	0.00	0.00	1.65	3.50								
2120	0.95	0.26	0.26	0.06	0.00	0.00	1.42	2.95								
2125	1.17	0.32	0.21	0.05	0.00	0.00	1.76	3.51								
2130	1.62	0.44	0.41	0.10	0.00	0.00	2.44	5.01								
2135	2.05	0.56	0.67	0.16	0.00	0.00	3.08	6.52								
2140	0.44	0.12	0.93	0.22	0.00	0.00	0.67	2.38								
2145	0.47	0.13	0.36	0.09	0.00	0.00	0.71	1.76								
2150	1.58	0.43	0.57	0.14	0.00	0.00	2.38	5.10								
2155	1.45	0.39	0.41	0.10	0.00	0.00	2.17	4.52								
2160	1.63	0.44	0.41	0.10	0.00	0.00	2.44	5.02								
2170	0.23	0.06	0.40	0.13	0.00	0.00	0.23	1.05								
2180	0.19	0.05	0.57	0.18	0.00	0.00	0.19	1.18								
2185	0.76	0.20	1.30	0.41	0.00	0.00	0.74	3.41								
2190	0.98	0.26	1.30	0.41	0.00	0.00	0.95	3.90								
2200	0.07	0.02	0.05	0.03	0.02	0.00	0.07	0.26								
2205	0.07	0.02	0.05	0.03	0.02	0.00	0.07	0.26								
2210	0.25	0.07	0.57	0.18	0.02	0.00	0.25	1.34								
2215	0.20	0.06	0.57	0.18	0.02	0.00	0.20	1.23								
2225	10.31	4.39	5.23	1.47	0.00	0.00	11.60	33.00								
2230	18.34	7.81	7.67	2.15	0.00	0.00	20.63	56.60								
2235	32.38	13.79	9.21	2.58	0.00	0.00	36.43	94.39								
2245	2.08	0.89	4.89	1.56	0.04	0.01	2.34	11.81								
2250	9.70	4.13	3.69	1.03	0.00	0.00	10.92	29.47								
2260	2.55	0.82	0.65	0.18	0.07	0.01	2.63	6.91								
2265	2.92	0.93	1.09	0.30	0.07	0.01	3.01	8.33								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	TOTAL RATE
					WEAR	RPR										
2270	0.83	0.27	0.00	0.19	0.04	0.01	0.86	2.20								
2275	1.65	0.53	0.00	0.31	0.04	0.01	1.70	4.24								
2285	4.65	1.47	3.37	0.94	0.02	0.00	4.77	15.22								
2295	5.53	1.74	5.98	1.67	0.02	0.00	5.68	20.62								
2300	15.01	4.76	13.76	3.85	0.27	0.04	15.43	53.12								
2310	4.72	1.49	3.64	1.02	0.02	0.00	4.84	15.73								
2315	7.31	2.33	8.26	2.31	0.15	0.02	7.51	27.89								
2320	7.51	2.39	8.26	2.31	0.15	0.02	7.72	28.36								
2325	10.03	3.17	9.61	2.69	0.07	0.01	10.30	35.88								
2330	12.90	4.07	16.30	4.56	0.07	0.01	13.25	51.16								
2335	15.27	4.91	11.47	3.21	0.66	0.10	15.73	51.35								
2340	22.13	7.07	11.47	3.21	0.68	0.10	22.77	67.43								
2345	27.12	8.67	15.66	4.38	0.93	0.14	27.92	84.82								
2355	0.16	0.06	0.83	0.27	0.00	0.00	0.18	1.50								
2360	0.20	0.07	1.24	0.40	0.00	0.00	0.22	2.13								
2365	0.20	0.07	1.45	0.46	0.00	0.00	0.22	2.40								
2370	0.45	0.15	1.45	0.46	0.00	0.00	0.49	3.00								
2375	0.57	0.20	1.87	0.60	0.00	0.00	0.62	3.86								
2380	0.64	0.22	3.11	1.00	0.00	0.00	0.70	5.67								
2385	0.94	0.33	3.63	1.16	0.00	0.00	1.03	7.09								
2390	1.27	0.44	6.74	2.16	0.00	0.00	1.39	12.00								
2400	13.09	6.53	2.71	0.87	0.00	0.00	11.15	34.35	15.70	6.63	3.43	1.10	0.00	0.00	15.29	42.15
2405	14.56	8.94	3.32	0.66	0.00	0.00	14.17	41.65	16.80	9.03	4.20	0.84	0.00	0.00	18.40	49.27
2410	14.65	9.00	2.65	0.53	0.00	0.00	11.59	38.42	16.91	9.08	3.43	0.69	0.00	0.00	14.40	44.51
2420	15.96	9.80	2.65	0.53	0.00	0.00	12.63	41.57	18.42	9.90	3.43	0.69	0.00	0.00	15.69	48.13
2430	16.65	10.22	2.91	0.58	0.00	0.00	13.17	43.53	19.21	10.32	3.76	0.75	0.00	0.00	16.36	50.40
2440	19.90	12.22	4.89	0.98	0.00	0.00	19.37	57.36	22.96	12.33	6.19	1.24	0.00	0.00	25.14	67.86
2445	19.47	11.96	3.91	0.78	0.00	0.00	15.40	51.52	22.47	12.07	5.05	1.01	0.00	0.00	19.14	59.74
2455	17.19	12.53	3.91	0.86	0.00	0.00	15.69	50.18	19.34	12.61	5.05	1.11	0.00	0.00	18.83	56.94
2465	21.04	15.34	3.91	0.86	0.00	0.00	19.20	60.35	23.67	15.44	5.05	1.11	0.00	0.00	23.04	68.31
2475	28.68	20.91	6.68	1.47	0.00	0.00	26.18	83.92	32.26	21.05	8.63	1.90	0.00	0.00	31.41	95.25
2485	29.94	21.82	6.68	1.47	0.00	0.00	27.32	87.23	33.68	21.97	8.63	1.90	0.00	0.00	32.79	98.97
2490	28.84	21.02	8.35	1.84	0.00	0.00	31.58	91.63	32.44	21.16	10.58	2.33	0.00	0.00	39.48	105.99
2500	32.41	23.63	6.68	1.47	0.00	0.00	29.59	93.78	36.47	23.79	8.63	1.90	0.00	0.00	35.50	106.29
2510	30.66	24.70	6.68	1.60	0.00	0.00	31.72	95.36	34.07	24.83	8.63	2.07	0.00	0.00	37.31	106.91
2520	32.19	25.93	6.68	1.60	0.00	0.00	33.29	99.69	35.76	26.07	8.63	2.07	0.00	0.00	39.17	111.70
2535	13.86	6.92	3.35	1.07	0.00	0.00	11.81	37.01	16.64	7.03	4.24	1.36	0.00	0.00	16.20	45.47
2540	11.33	6.96	2.68	0.54	0.00	0.00	8.97	30.48	13.08	7.03	3.46	0.69	0.00	0.00	11.14	35.40
2550	21.56	9.10	4.89	0.98	0.00	0.00	20.99	57.52	26.95	9.32	6.43	1.29	0.00	0.00	29.52	73.51
2555	16.02	9.83	4.19	0.84	0.00	0.00	15.59	46.47	18.48	9.93	5.31	1.06	0.00	0.00	20.24	55.02
2560	16.10	9.89	3.35	0.67	0.00	0.00	12.74	42.75	18.58	9.98	4.33	0.87	0.00	0.00	15.83	49.59
2570	30.63	12.93	6.04	1.21	0.00	0.00	29.82	80.63	38.28	13.23	7.94	1.59	0.00	0.00	41.93	102.97
2575	20.96	12.87	5.18	1.04	0.00	0.00	20.40	60.45	24.18	12.99	6.56	1.31	0.00	0.00	26.49	71.53
2585	36.54	18.23	6.96	1.53	0.00	0.00	40.02	103.28	43.84	18.52	9.15	2.01	0.00	0.00	53.36	126.88
2590	34.96	17.44	6.96	1.53	0.00	0.00	38.29	99.18	41.95	17.72	9.15	2.01	0.00	0.00	51.05	121.88
2595	24.12	17.59	5.97	1.31	0.00	0.00	26.42	75.41	27.14	17.70	7.56	1.66	0.00	0.00	33.03	87.09
2600	23.59	17.20	4.77	1.05	0.00	0.00	21.53	68.14	26.54	17.31	6.16	1.36	0.00	0.00	25.84	77.21
2610	29.67	21.63	5.66	1.24	0.00	0.00	27.08	85.28	33.38	21.77	7.31	1.61	0.00	0.00	32.49	96.56
2615	28.37	20.68	7.07	1.56	0.00	0.00	31.07	88.75	31.91	20.82	8.96	1.97	0.00	0.00	38.83	102.49
2625	44.03	21.97	8.35	1.84	0.00	0.00	48.23	124.42	52.84	22.31	10.98	2.41	0.00	0.00	64.30	152.84
2630	41.64	20.78	8.35	1.84	0.00	0.00	45.61	118.22	49.97	21.10	10.98	2.41	0.00	0.00	60.81	145.27
2635	26.34	19.20	7.16	1.57	0.00	0.00	28.85	83.12	29.63	19.33	9.07	1.99	0.00	0.00	36.06	96.08
2645	57.12	29.76	12.39	2.97	0.00	0.00	71.77	174.01	66.64	30.13	16.29	3.91	0.00	0.00	91.34	208.31
2650	30.89	24.89	10.62	2.55	0.00	0.00	37.60	106.55	34.33	25.02	13.45	3.23	0.00	0.00	45.95	121.98
2665	11.02	6.76	2.56	0.51	0.00	0.00	8.71	29.56	12.71	6.83	3.31	0.66	0.00	0.00	10.83	34.34

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE	TIKE	REPR	
					WEAR	RPR							WEAR	RPR		
2675	14.49	10.57	3.84	0.85	0.00	0.00	13.23	42.98	16.31	10.64	4.96	1.09	0.00	0.00	15.87	48.87
2685	19.94	14.53	3.98	0.88	0.00	0.00	18.20	57.53	22.43	14.63	5.14	1.13	0.00	0.00	21.83	65.16
2695	29.95	21.83	5.70	1.25	0.00	0.00	27.33	86.06	33.69	21.98	7.37	1.62	0.00	0.00	32.80	97.46
2710	20.58	15.00	8.35	1.84	0.00	0.00	22.54	68.31	23.15	15.10	10.58	2.33	0.00	0.00	28.17	79.33
2715	22.65	16.51	6.68	1.47	0.00	0.00	20.67	67.98	25.48	16.62	8.63	1.90	0.00	0.00	24.80	77.43
2730	26.75	19.50	6.98	1.54	0.00	0.00	24.42	79.19	30.09	19.63	9.02	1.98	0.00	0.00	29.30	90.02
2740	34.64	25.25	10.48	2.30	0.00	0.00	37.94	110.61	38.97	25.42	13.27	2.92	0.00	0.00	47.42	123.00
2745	33.50	26.98	8.38	2.01	0.00	0.00	34.65	105.52	37.22	27.13	10.83	2.60	0.00	0.00	40.76	118.54
2755	49.56	39.93	15.95	3.83	0.00	0.00	51.27	160.54	55.07	40.14	20.60	4.94	0.00	0.00	60.31	181.06
2760	49.05	39.52	19.93	4.78	0.00	0.00	59.69	172.97	54.50	39.73	25.25	6.06	0.00	0.00	72.96	198.50
2775	14.82	9.10	6.93	1.39	0.00	0.00	14.42	46.66	17.09	9.19	8.77	1.75	0.00	0.00	18.72	55.52
2780	14.65	8.99	5.54	1.11	0.00	0.00	11.59	41.88	16.90	9.08	7.16	1.43	0.00	0.00	14.40	48.97
2790	36.78	15.53	8.93	1.79	0.00	0.00	35.81	98.84	45.98	15.89	11.74	2.35	0.00	0.00	50.36	126.32
2795	21.13	12.97	7.65	1.53	0.00	0.00	20.57	63.85	24.38	13.10	9.69	1.94	0.00	0.00	26.70	75.81
2800	20.78	12.76	6.12	1.22	0.00	0.00	16.44	57.32	23.97	12.88	7.91	1.58	0.00	0.00	20.42	66.75
2810	19.98	14.56	8.85	1.95	0.00	0.00	21.88	67.22	22.48	14.66	11.21	2.47	0.00	0.00	27.35	78.17
2815	19.69	14.35	7.08	1.56	0.00	0.00	17.97	60.65	22.15	14.45	9.14	2.01	0.00	0.00	21.56	69.31
2825	49.57	24.73	12.15	2.67	0.00	0.00	54.29	143.41	59.48	25.12	15.97	3.51	0.00	0.00	72.38	176.46
2830	28.65	20.88	10.42	2.29	0.00	0.00	31.38	93.62	32.23	21.02	13.20	2.90	0.00	0.00	39.22	108.57
2835	29.81	21.73	8.33	1.83	0.00	0.00	27.21	88.91	33.54	21.88	10.77	2.37	0.00	0.00	32.65	101.21
2845	27.53	22.18	13.27	3.18	0.00	0.00	33.50	99.66	30.59	22.30	16.81	4.03	0.00	0.00	40.95	114.68
2850	32.22	23.49	10.62	2.34	0.00	0.00	29.41	98.08	36.25	23.65	13.71	3.02	0.00	0.00	35.29	111.92
2865	16.27	9.99	4.07	0.81	0.00	0.00	15.84	46.98	18.78	10.09	5.16	1.03	0.00	0.00	20.56	55.62
2870	13.95	10.17	3.26	0.72	0.00	0.00	12.73	40.83	15.69	10.24	4.21	0.93	0.00	0.00	15.28	46.35
2880	20.30	12.47	5.76	1.15	0.00	0.00	19.77	59.45	23.43	12.59	7.30	1.46	0.00	0.00	25.66	70.44
2885	17.57	12.81	4.61	1.01	0.00	0.00	16.04	52.04	19.77	12.89	5.95	1.31	0.00	0.00	19.25	59.17
2890	20.35	14.84	6.87	1.51	0.00	0.00	22.29	65.86	22.90	14.94	8.70	1.91	0.00	0.00	27.87	76.32
2895	21.48	15.66	5.49	1.21	0.00	0.00	19.61	63.45	24.17	15.76	7.10	1.56	0.00	0.00	23.53	72.12
2900	56.86	45.80	8.80	2.11	0.00	0.00	58.81	172.38	63.17	46.05	11.37	2.73	0.00	0.00	69.19	192.51
2910	5.58	3.44	4.13	1.24	0.94	0.14	4.50	19.97								
2915	6.01	3.69	4.24	1.27	0.94	0.14	4.84	21.13								
2920	6.75	4.18	4.24	1.27	1.23	0.18	5.44	23.29								
2925	7.41	4.57	4.24	1.27	1.27	0.19	5.97	24.92								
2930	9.89	6.08	5.75	1.73	1.12	0.17	7.96	32.70								
2935	13.66	8.49	6.27	1.88	2.71	0.41	11.01	44.43								
2940	16.20	10.12	6.27	1.88	3.56	0.53	13.07	51.63								
2945	20.09	12.46	7.67	2.30	3.83	0.58	16.19	63.12								
2950	25.76	16.09	8.48	2.54	5.64	0.85	20.79	80.15								
2955	48.68	30.38	18.87	5.66	10.47	1.57	39.28	154.91								
2965	5.72	3.52	4.20	1.26	0.88	0.13	4.61	20.32								
2970	6.19	3.79	4.46	1.34	0.88	0.13	4.98	21.77								
2975	9.53	5.89	6.63	1.99	1.73	0.26	7.68	33.71								
2985	6.23	3.83	4.61	1.38	0.95	0.14	5.01	22.15								
2990	6.82	4.17	4.61	1.38	0.95	0.14	5.48	23.55								
2995	7.26	4.43	4.72	1.42	0.95	0.14	5.84	24.76								
3000	7.30	4.46	4.72	1.42	0.95	0.14	5.87	24.86								
3005	9.08	5.55	5.71	1.71	1.22	0.18	7.30	30.75								
3010	9.35	5.71	5.71	1.71	1.22	0.18	7.52	31.40								
3015	9.68	5.91	5.71	1.71	1.22	0.18	7.78	32.19								
3020	12.76	7.96	7.45	2.23	2.71	0.41	10.29	43.81								
3025	13.15	8.24	7.45	2.23	3.03	0.45	10.62	45.17								
3030	13.68	8.55	7.45	2.23	3.03	0.45	11.04	46.43								
3035	17.62	11.00	8.66	2.60	3.83	0.58	14.22	58.51								
3045	5.07	3.06	4.35	1.30	0.45	0.07	4.07	18.37								
3050	5.22	3.17	4.35	1.30	0.55	0.08	4.19	18.86								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
3055	5.42	3.29	4.35	1.30	0.55	0.08	4.35	19.34								
3060	6.20	3.81	4.35	1.30	0.95	0.14	4.99	21.74								
3065	10.25	6.37	6.49	1.95	2.03	0.30	8.27	35.66								
3070	11.16	7.01	6.49	1.95	2.71	0.41	9.02	38.75								
3075	13.95	8.66	6.93	2.08	2.71	0.41	11.24	45.98								
3085	9.41	6.37	6.27	1.63	0.86	0.13	6.48	31.15	10.59	6.41	8.02	2.09	1.04	0.16	7.90	36.21
3090	16.51	11.09	8.93	2.32	1.13	0.17	11.35	51.50	18.57	11.17	11.50	2.99	1.37	0.21	13.83	59.64
3100	10.94	6.18	6.34	2.28	0.56	0.08	6.26	32.64	12.62	6.25	8.34	3.00	0.69	0.10	7.95	38.95
3105	10.90	7.38	7.48	1.95	1.06	0.16	7.50	36.43	12.26	7.43	9.85	2.56	1.30	0.19	9.14	42.73
3110	13.65	9.19	7.85	2.04	1.08	0.16	9.39	43.36	15.35	9.26	10.33	2.69	1.32	0.20	11.44	50.59
3115	17.90	13.54	9.11	2.37	2.77	0.42	14.40	60.51	19.89	13.62	11.70	3.04	3.42	0.51	17.14	69.32
3120	27.95	20.85	9.44	2.45	2.77	0.42	22.44	86.32	31.06	20.97	12.09	3.14	3.42	0.51	26.71	97.90
3125	27.99	25.34	14.44	3.75	3.19	0.48	27.40	102.59	30.79	25.45	18.59	4.83	3.94	0.59	32.02	116.21
3135	10.04	5.70	7.96	2.87	0.66	0.10	5.75	33.08	11.58	5.76	10.48	3.77	0.82	0.12	7.30	39.83
3140	9.48	6.37	7.96	2.07	0.66	0.10	6.52	33.16	10.66	6.41	10.48	2.72	0.82	0.12	7.94	39.15
3145	14.05	9.45	8.77	2.28	1.05	0.16	9.66	45.42	15.81	9.52	11.54	3.00	1.27	0.19	11.78	53.11
3155	10.72	6.07	7.74	2.79	0.59	0.09	6.14	34.14	12.37	6.13	10.18	3.67	0.72	0.11	7.79	40.97
3160	11.33	7.66	8.99	2.34	1.03	0.15	7.80	39.30	12.75	7.71	11.83	3.08	1.26	0.19	9.50	46.32
3165	12.27	8.28	8.77	2.28	1.03	0.15	8.44	41.22	13.81	8.34	11.54	3.00	1.26	0.19	10.29	48.43
3170	13.76	10.33	11.87	3.09	1.73	0.26	11.06	52.10	15.29	10.39	15.62	4.06	2.14	0.32	13.16	60.98
3180	18.75	12.69	5.91	1.54	1.85	0.28	12.90	53.92	21.09	12.78	7.53	1.96	2.28	0.34	15.73	61.71
3185	17.20	12.85	5.91	1.54	1.85	0.28	13.81	53.44	19.11	12.93	7.53	1.96	2.28	0.34	16.44	60.59
3190	21.26	15.81	9.47	2.46	1.85	0.28	17.06	68.19	23.62	15.90	12.21	3.18	2.28	0.34	20.31	77.84
3195	22.78	16.99	10.31	2.68	2.25	0.34	18.29	73.64	25.31	17.09	13.20	3.43	2.78	0.42	21.77	84.00
3200	28.04	25.20	12.34	3.21	2.25	0.34	27.41	98.79	30.85	25.31	15.86	4.12	2.78	0.42	32.03	111.37
3205	39.15	35.48	13.39	3.48	4.66	0.70	38.33	135.19	43.06	35.64	17.09	4.44	5.75	0.86	44.80	151.64
3215	16.25	11.05	5.73	1.49	1.85	0.28	11.19	47.84	18.28	11.13	7.28	1.89	2.28	0.34	13.64	54.84
3220	21.92	16.32	8.31	2.16	2.02	0.30	17.59	68.62	24.36	16.42	10.61	2.76	2.49	0.37	20.94	77.95
3225	21.89	19.77	8.54	2.22	2.25	0.34	21.41	76.42	24.08	19.85	10.90	2.83	2.78	0.42	25.03	85.89
3235	20.04	14.95	9.64	2.51	2.02	0.30	16.09	65.55	22.27	15.04	12.40	3.22	2.49	0.37	19.15	74.94
3240	20.84	18.86	10.14	2.64	2.30	0.35	20.40	75.53	22.92	18.95	13.05	3.39	2.82	0.42	23.84	85.39
3250	13.75	7.77	4.39	1.58	0.76	0.11	7.87	36.23	15.86	7.86	5.58	2.01	0.95	0.14	9.99	42.39
3255	12.76	8.57	4.64	1.21	0.89	0.13	8.77	36.97	14.36	8.64	5.89	1.53	1.10	0.16	10.69	42.37
3260	14.24	9.60	4.92	1.28	1.16	0.17	9.80	41.17	16.02	9.67	6.23	1.62	1.43	0.21	11.94	47.12
3265	18.26	12.37	6.63	1.72	1.85	0.28	12.57	53.68	20.55	12.47	8.48	2.20	2.28	0.34	15.32	61.64
3270	20.57	15.38	8.35	2.17	2.25	0.34	16.52	65.58	22.86	15.47	10.63	2.76	2.78	0.42	19.66	74.58
3275	23.16	20.89	10.20	2.65	2.25	0.34	22.65	82.14	25.47	20.98	13.05	3.39	2.78	0.42	26.47	92.56
3280	49.44	44.32	16.58	4.31	3.47	0.52	48.29	166.93	54.38	44.52	21.34	5.55	4.28	0.64	56.44	187.15
3290	10.48	9.44	4.21	7.18	0.00	0.00	11.74	43.05								
3295	0.44	0.40	0.00	0.00	0.00	0.00	0.50	1.34								
3300	1.67	1.51	0.00	0.00	0.00	0.00	1.87	5.05								
3305	13.18	11.88	7.37	8.76	0.00	0.00	14.76	55.95								
3310	0.44	0.40	0.00	0.00	0.00	0.00	0.50	1.34								
3315	1.67	1.51	0.00	0.00	0.00	0.00	1.87	5.05								
3320	16.10	14.51	7.37	8.76	0.00	0.00	18.04	64.78								
3325	0.55	0.50	0.00	0.00	0.00	0.00	0.62	1.67								
3330	1.69	1.53	0.00	0.00	0.00	0.00	1.90	5.12								
3335	18.63	16.78	11.58	10.86	0.00	0.00	20.86	78.71								
3340	0.59	0.53	0.00	0.00	0.00	0.00	0.66	1.78								
3345	3.29	2.97	0.00	0.00	0.00	0.00	3.69	9.95								
3350	19.62	17.68	11.58	10.86	0.00	0.00	21.98	81.72								
3355	0.55	0.50	0.00	0.00	0.00	0.00	0.62	1.67								
3360	3.47	3.13	0.00	0.00	0.00	0.00	3.89	10.49								
3370	5.58	2.34	0.00	0.79	0.00	0.00	5.99	14.70								
3375	5.28	2.21	0.00	0.79	0.00	0.00	5.66	13.94								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
3380	5.80	2.43	0.00	0.79	0.00	0.00	6.22	15.24								
3385	6.88	2.89	0.00	0.84	0.00	0.00	7.37	17.98								
3390	7.75	3.25	0.00	0.89	0.00	0.00	8.30	20.19								
3400	6.20	2.60	0.00	0.79	0.00	0.00	6.65	16.24								
3405	6.76	2.84	0.00	0.84	0.00	0.00	7.25	17.69								
3410	9.33	3.91	4.56	1.09	0.00	0.00	10.00	28.89								
3420	3.07	1.29	0.00	0.50	0.00	0.00	3.29	8.15								
3425	5.42	2.28	0.00	0.80	0.00	0.00	5.81	14.31								
3430	6.37	2.67	0.00	0.80	0.00	0.00	6.83	16.67								
3435	7.88	3.30	0.00	0.90	0.00	0.00	8.44	20.52								
3440	17.01	7.14	7.52	1.81	0.00	0.00	18.23	51.71								
3450	1.40	0.59	0.00	0.31	0.00	0.00	1.50	3.80								
3455	0.90	0.38	0.00	0.31	0.00	0.00	0.96	2.55								
3460	0.13	0.06	0.00	0.25	0.00	0.00	0.14	0.58								
3470	2.35	0.99	2.01	0.48	0.00	0.00	2.52	8.35								
3475	1.60	0.67	0.91	0.22	0.00	0.00	1.71	5.11								
3485	1.33	0.56	1.11	0.18	0.00	0.00	1.43	4.61								
3490	2.02	0.85	2.86	0.46	0.00	0.00	2.17	8.36								
3495	2.41	1.01	1.82	0.44	0.00	0.00	2.59	8.27								
3500	2.79	1.16	2.46	0.59	0.00	0.00	2.98	9.97								
3505	3.33	1.40	2.74	0.66	0.00	0.00	3.57	11.70								
3515	1.40	0.59	1.66	0.27	0.00	0.00	1.50	5.42								
3520	2.17	0.91	2.23	0.54	0.00	0.00	2.33	8.18								
3530	12.86	7.84	9.57	3.64	0.00	0.00	13.79	47.70								
3535	16.69	10.34	13.86	5.27	1.39	0.21	17.95	65.71								
3540	15.60	9.63	19.83	7.54	0.99	0.15	16.76	70.50								
3550	17.14	10.60	16.85	6.40	1.25	0.19	18.43	70.86								
3555	24.89	15.42	15.27	5.80	1.99	0.30	26.77	90.44								
3560	28.21	17.44	15.96	6.06	1.99	0.30	30.33	100.29								
3565	20.75	12.65	18.69	7.10	0.00	0.00	22.25	81.44								
3570	24.08	14.68	18.69	7.10	0.00	0.00	25.81	90.36								
3575	24.97	19.98	23.89	7.64	0.00	0.00	26.77	103.25								
3580	46.03	36.82	71.17	35.59	0.00	0.00	24.67	214.28								
3600	1.26	0.54	1.26	0.57	0.06	0.01	1.07	4.77								
3605	1.26	0.54	1.26	0.57	0.06	0.01	1.08	4.78								
3610	1.30	0.57	1.26	0.57	0.08	0.01	1.11	4.90								
3615	1.82	0.79	2.25	1.01	0.09	0.01	1.56	7.53								
3620	1.85	0.80	2.25	1.01	0.09	0.01	1.58	7.59								
3625	2.04	0.88	3.30	1.48	0.09	0.01	1.74	9.54								
3630	2.52	1.10	3.72	1.67	0.14	0.02	2.16	11.33								
3635	2.65	1.15	3.72	1.67	0.12	0.02	2.27	11.60								
3640	2.82	1.21	3.72	1.67	0.09	0.01	2.40	11.92								
3645	1.22	0.52	2.78	0.67	0.03	0.00	1.04	6.26								
3650	1.59	0.70	3.61	0.87	0.12	0.02	1.36	8.27								
3655	1.58	0.71	3.61	0.87	0.22	0.03	1.36	8.38								
3660	2.26	0.99	4.74	1.14	0.15	0.02	1.94	11.24								
3665	2.29	1.00	4.74	1.14	0.15	0.02	1.96	11.30								
3670	2.38	1.04	4.74	1.14	0.15	0.02	2.04	11.51								
3675	3.42	1.49	2.43	0.58	0.23	0.03	2.93	11.11								
3680	3.69	1.60	2.58	0.62	0.23	0.03	3.16	11.91								
3685	4.79	2.13	4.61	1.11	0.50	0.07	4.12	17.33								
3690	5.24	2.32	4.61	1.11	0.50	0.07	4.50	18.35								
3695	5.38	2.37	4.61	1.11	0.50	0.08	4.62	18.67								
3700	6.00	2.67	4.61	1.11	0.65	0.10	5.16	20.30								
3705	2.08	0.92	2.51	0.60	0.21	0.03	1.79	8.14								

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	
3710	2.13	0.94	2.51	0.60	0.21	0.03	1.83	8.25								
3715	2.60	1.14	2.51	0.60	0.21	0.03	2.23	9.32								
3720	2.62	1.19	2.51	0.60	0.39	0.06	2.26	9.53								
3730	1.20	0.54	4.74	1.14	0.14	0.02	1.03	8.81								
3735	1.75	0.77	6.02	1.44	0.15	0.02	1.50	11.65								
3740	3.51	1.52	8.73	2.09	0.19	0.03	3.00	19.07								
3745	4.67	2.08	9.56	2.29	0.51	0.08	4.02	23.21								
3750	5.51	2.43	9.56	2.29	0.51	0.08	4.73	25.11								
3755	5.48	2.44	9.56	2.29	0.59	0.09	4.71	25.16								
3760	5.98	2.63	9.56	2.29	0.50	0.08	5.13	26.17								
3765	12.32	5.41	14.30	3.43	1.04	0.16	10.56	47.22								
3780	1.74	0.55	5.46	1.31	0.00	0.00	1.21	10.27	1.98	0.56	7.18	1.72	0.00	0.00	1.62	13.06
3785	2.28	0.72	6.89	1.65	0.00	0.00	1.59	13.13	2.60	0.73	9.07	2.18	0.00	0.00	2.12	16.70
3790	2.45	0.78	8.11	1.95	0.00	0.00	1.71	15.00	2.81	0.79	10.67	2.56	0.00	0.00	2.28	19.11
3795	2.63	0.83	10.69	2.57	0.00	0.00	1.84	18.56	3.01	0.85	14.06	3.38	0.00	0.00	2.45	23.75
3800	3.02	0.95	13.64	3.27	0.00	0.00	2.10	22.98	3.45	0.97	17.94	4.31	0.00	0.00	2.81	29.48
3805	3.58	1.13	13.64	3.27	0.00	0.00	2.50	24.12	4.09	1.15	17.94	4.31	0.00	0.00	3.33	30.82
3810	3.99	1.26	16.59	3.98	0.00	0.00	2.79	28.61	4.56	1.28	21.82	5.24	0.00	0.00	3.72	36.62
3815	4.83	1.53	18.43	4.42	0.00	0.00	3.37	32.58	5.52	1.55	24.25	5.82	0.00	0.00	4.49	41.63
3820	6.56	2.07	23.96	5.75	0.00	0.00	4.58	42.92	7.50	2.11	31.52	7.57	0.00	0.00	6.11	54.81
3825	8.75	2.76	31.15	7.48	0.00	0.00	6.11	56.25	10.00	2.81	40.98	9.84	0.00	0.00	8.14	71.77
3830	11.90	3.76	46.07	11.06	0.00	0.00	8.30	81.09	13.60	3.82	60.62	14.55	0.00	0.00	11.07	103.66
3835	15.64	4.94	53.45	12.83	0.00	0.00	10.92	97.78	17.88	5.03	70.32	16.88	0.00	0.00	14.56	124.67
3845	0.09	0.03	0.38	0.09	0.00	0.00	0.06	0.65	0.10	0.03	0.49	0.12	0.00	0.00	0.08	0.82
3850	0.14	0.04	0.60	0.14	0.00	0.00	0.09	1.01	0.15	0.04	0.78	0.19	0.00	0.00	0.13	1.29
3855	0.18	0.06	0.90	0.22	0.00	0.00	0.12	1.48	0.20	0.06	1.18	0.28	0.00	0.00	0.16	1.88
3870	0.15	0.05	0.45	0.11	0.00	0.00	0.11	0.87	0.18	0.05	0.59	0.14	0.00	0.00	0.14	1.10
3875	0.35	0.11	1.05	0.25	0.00	0.00	0.24	2.00	0.40	0.11	1.37	0.33	0.00	0.00	0.32	2.53
3880	0.38	0.12	1.50	0.36	0.00	0.00	0.27	2.63	0.44	0.12	1.96	0.47	0.00	0.00	0.35	3.34
3885	0.40	0.13	0.22	0.05	0.00	0.00	0.28	1.08	0.46	0.13	0.29	0.07	0.00	0.00	0.38	1.33
3890	0.54	0.17	0.44	0.11	0.00	0.00	0.37	1.63	0.61	0.17	0.58	0.14	0.00	0.00	0.50	2.00
3895	0.77	0.24	0.81	0.19	0.00	0.00	0.54	2.55	0.88	0.25	1.07	0.26	0.00	0.00	0.72	3.18
3900	0.79	0.25	1.00	0.24	0.00	0.00	0.55	2.83	0.90	0.25	1.31	0.31	0.00	0.00	0.74	3.51
3905	1.17	0.37	2.32	0.56	0.00	0.00	0.82	5.24	1.34	0.38	3.06	0.73	0.00	0.00	1.09	6.60
3910	1.55	0.49	3.21	0.77	0.00	0.00	1.08	7.10	1.77	0.50	4.22	1.01	0.00	0.00	1.44	8.94
3915	1.78	0.56	3.76	0.90	0.00	0.00	1.24	8.24	2.04	0.57	4.95	1.19	0.00	0.00	1.66	10.41
3920	2.12	0.67	5.97	1.43	0.00	0.00	1.48	11.67	2.42	0.68	7.86	1.89	0.00	0.00	1.97	14.82
3925	2.22	0.70	5.97	1.43	0.00	0.00	1.55	11.87	2.54	0.71	7.86	1.89	0.00	0.00	2.07	15.07
3930	2.57	0.81	7.74	1.86	0.00	0.00	1.79	14.77	2.93	0.83	10.18	2.44	0.00	0.00	2.39	18.77
3935	3.04	0.96	10.17	2.44	0.00	0.00	2.12	18.73	3.48	0.98	13.39	3.21	0.00	0.00	2.83	23.89
3945	0.10	0.03	0.38	0.09	0.00	0.00	0.07	0.67	0.11	0.03	0.49	0.12	0.00	0.00	0.09	0.84
3950	0.10	0.03	0.53	0.13	0.00	0.00	0.07	0.86	0.12	0.03	0.69	0.16	0.00	0.00	0.10	1.10
3955	0.15	0.05	0.60	0.14	0.00	0.00	0.10	1.04	0.17	0.05	0.78	0.19	0.00	0.00	0.14	1.33
3960	0.19	0.06	0.75	0.18	0.00	0.00	0.13	1.31	0.21	0.06	0.98	0.24	0.00	0.00	0.17	1.66
3965	0.20	0.06	1.20	0.29	0.00	0.00	0.14	1.89	0.22	0.06	1.57	0.38	0.00	0.00	0.18	2.41
3970	0.18	0.06	1.20	0.29	0.00	0.00	0.13	1.86	0.21	0.06	1.57	0.38	0.00	0.00	0.17	2.39
3985	6.25	3.56	4.24	1.44	0.45	0.07	4.98	20.99	7.50	3.61	5.58	1.90	0.61	0.09	6.97	26.26
3990	7.20	4.09	4.58	1.56	0.45	0.07	5.73	23.68	8.64	4.15	6.02	2.05	0.61	0.09	8.02	29.58
3995	7.75	4.41	4.58	1.56	0.50	0.07	6.17	25.04	9.30	4.47	6.02	2.05	0.67	0.10	8.64	31.25
4000	7.86	4.49	5.09	1.73	0.58	0.09	6.26	26.10	9.44	4.55	6.69	2.28	0.78	0.12	8.77	32.63
4005	10.91	6.32	6.11	2.08	1.26	0.19	8.73	35.60	13.10	6.41	8.03	2.73	1.71	0.26	12.22	44.46
4010	15.58	9.07	8.49	2.89	1.97	0.30	12.47	50.77	18.70	9.19	11.15	3.79	2.67	0.40	17.46	63.36
4020	5.96	3.42	4.58	1.56	0.55	0.08	4.75	20.90	7.15	3.47	6.02	2.05	0.74	0.11	6.65	26.19
4025	7.13	4.09	5.16	1.75	0.63	0.09	5.68	24.53	8.55	4.14	6.78	2.31	0.85	0.13	7.96	30.72
4030	7.34	4.21	6.11	2.08	0.63	0.09	5.86	26.32	8.81	4.27	8.03	2.73	0.85	0.13	8.20	33.02

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	GFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	GFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
4035	8.09	4.62	7.13	2.42	0.63	0.09	6.45	29.43	9.71	4.69	9.37	3.19	0.85	0.13	9.03	36.97
4040	5.59	3.22	4.58	1.56	0.55	0.08	4.46	20.04	6.71	3.26	6.02	2.05	0.74	0.11	6.24	25.13
4045	6.17	3.56	5.16	1.75	0.63	0.09	4.93	22.29	7.41	3.61	6.78	2.31	0.85	0.13	6.90	27.99
4050	6.69	3.84	6.11	2.08	0.63	0.09	5.34	24.78	8.03	3.90	8.03	2.73	0.85	0.13	7.47	31.14
4055	7.62	4.36	7.13	2.42	0.63	0.09	6.07	28.32	9.14	4.42	9.37	3.19	0.85	0.13	8.50	35.60
4060	8.49	4.98	7.13	2.42	1.26	0.19	6.81	31.28	10.19	5.05	9.37	3.19	1.71	0.26	9.54	39.31
4070	3.35	1.91	2.31	0.78	0.25	0.04	2.67	11.31	4.03	1.94	3.03	1.03	0.34	0.05	3.74	14.16
4075	5.18	2.98	4.41	1.50	0.50	0.07	4.14	18.78	6.22	3.02	5.80	1.97	0.67	0.10	5.79	23.57
4080	5.56	3.21	4.92	1.67	0.58	0.09	4.44	20.47	6.67	3.25	6.47	2.20	0.78	0.12	6.22	25.71
4085	5.87	3.43	5.43	1.85	0.84	0.13	4.70	22.25	7.04	3.48	7.14	2.43	1.14	0.17	6.58	27.98
4095	2.82	1.60	4.73	0.95	0.18	0.03	2.24	12.55	3.38	1.62	6.12	1.22	0.24	0.04	3.14	15.76
4100	5.96	3.40	4.92	1.67	0.45	0.07	4.75	21.22	7.15	3.45	6.47	2.20	0.61	0.09	6.65	26.62
4105	8.05	4.59	5.94	2.02	0.58	0.09	6.41	27.68	9.66	4.65	7.81	2.65	0.78	0.12	8.97	34.64
4110	8.35	4.76	6.69	2.27	0.58	0.09	6.65	29.39	10.02	4.82	8.79	2.99	0.78	0.12	9.31	36.83
4120	0.48	0.20	0.00	0.10	0.00	0.00	0.46	1.24								
4125	0.76	0.32	0.00	0.19	0.00	0.00	0.74	2.01								
4130	0.92	0.39	0.00	0.30	0.00	0.00	0.90	2.51								
4135	2.39	1.01	0.00	0.41	0.00	0.00	2.32	6.13								
4145	5.63	2.38	3.69	0.88	0.00	0.00	5.48	18.06								
4150	7.61	3.21	3.69	0.88	0.00	0.00	7.40	22.79								
4155	11.70	4.94	4.79	1.15	0.00	0.00	11.38	33.96								
4160	13.02	5.50	5.53	1.33	0.00	0.00	12.66	38.04								
4180	12.77	5.39	5.43	1.09	0.00	0.00	12.44	37.12	15.97	5.52	7.14	1.43	0.00	0.00	17.49	47.55
4185	18.39	7.77	7.98	1.60	0.00	0.00	17.90	53.64	22.99	7.95	10.49	2.10	0.00	0.00	25.18	68.71
4190	22.18	9.36	10.46	2.09	0.00	0.00	21.59	65.68	27.72	9.58	13.74	2.75	0.00	0.00	30.36	84.15
4195	38.57	19.24	20.91	4.60	0.00	0.00	42.24	125.56	46.28	19.55	27.49	6.05	0.00	0.00	56.32	155.69
4205	16.65	6.35	5.98	2.27	0.00	0.00	15.17	46.42	22.19	6.56	7.85	2.98	0.00	0.00	23.12	62.70
4210	19.73	8.33	6.96	1.39	0.00	0.00	19.21	55.62	24.66	8.52	9.15	1.83	0.00	0.00	27.01	71.17
4215	24.85	10.49	8.42	1.68	0.00	0.00	24.19	69.63	31.06	10.74	11.07	2.21	0.00	0.00	34.02	89.10
4220	34.69	17.31	13.31	2.93	0.00	0.00	37.99	106.23	41.63	17.58	17.49	3.85	0.00	0.00	50.66	131.21
4230	9.84	3.75	3.90	1.48	0.00	0.00	8.97	27.94	13.12	3.88	5.13	1.95	0.00	0.00	13.67	37.75
4235	12.14	4.63	5.50	2.13	0.00	0.00	11.07	35.57	16.19	4.79	7.36	2.80	0.00	0.00	16.86	48.00
4240	12.00	5.07	6.79	1.36	0.00	0.00	11.69	36.91	15.01	5.19	8.92	1.78	0.00	0.00	16.44	47.34
4250	10.78	4.11	3.56	1.35	0.00	0.00	9.83	29.63	14.37	4.25	4.69	1.78	0.00	0.00	14.97	40.06
4255	14.51	5.53	4.58	1.74	0.00	0.00	13.23	39.59	19.35	5.72	6.02	2.29	0.00	0.00	20.16	53.54
4260	22.88	9.66	6.62	1.32	0.00	0.00	22.28	62.76	28.60	9.89	8.70	1.74	0.00	0.00	31.33	80.26
4265	35.58	15.03	11.03	2.21	0.00	0.00	34.64	98.49	44.47	15.37	14.50	2.90	0.00	0.00	48.71	125.95
4280	14.59	5.56	3.90	1.48	0.00	0.00	13.30	38.83	19.45	5.75	5.13	1.95	0.00	0.00	20.27	52.55
4285	15.28	5.83	4.92	1.87	0.00	0.00	13.93	41.83	20.38	6.03	6.47	2.46	0.00	0.00	21.23	56.57
4290	18.17	6.93	4.92	1.87	0.00	0.00	16.57	48.46	24.23	7.16	6.47	2.46	0.00	0.00	25.24	65.56
4295	21.06	8.89	9.23	1.85	0.00	0.00	20.50	61.53	26.32	9.10	12.14	2.43	0.00	0.00	28.83	78.82
4310	11.83	4.99	6.11	1.22	0.00	0.00	11.51	35.66	14.78	5.11	8.03	1.61	0.00	0.00	16.19	45.72
4315	21.39	9.03	9.85	1.97	0.00	0.00	20.83	63.07	26.74	9.24	12.94	2.59	0.00	0.00	29.29	80.80
4320	25.06	12.50	13.24	2.91	0.00	0.00	27.45	81.16	30.07	12.70	17.40	3.83	0.00	0.00	36.60	100.60
4330	6.76	2.58	2.55	0.97	0.00	0.00	6.16	19.02	9.01	2.66	3.35	1.27	0.00	0.00	9.39	25.68
4335	9.65	3.68	4.24	1.61	0.00	0.00	8.80	27.98	12.87	3.81	5.58	2.12	0.00	0.00	13.41	37.79
4340	12.47	4.75	5.26	2.00	0.00	0.00	11.37	35.85	16.63	4.92	6.92	2.63	0.00	0.00	17.32	48.42
4345	17.66	7.46	7.13	1.43	0.00	0.00	17.20	50.88	22.08	7.63	9.37	1.87	0.00	0.00	24.18	65.13
4350	19.93	8.42	8.83	1.77	0.00	0.00	19.41	58.36	24.92	8.61	11.60	2.32	0.00	0.00	27.29	74.74
4360	10.90	4.15	3.67	1.39	0.00	0.00	9.93	30.04	14.53	4.30	4.82	1.83	0.00	0.00	15.14	40.62
4365	12.39	5.23	4.85	0.97	0.00	0.00	12.06	35.50	15.48	5.35	6.38	1.28	0.00	0.00	16.96	45.45
4370	14.93	6.31	7.13	1.43	0.00	0.00	14.54	44.34	18.66	6.45	9.37	1.87	0.00	0.00	20.44	56.79
4375	21.78	9.20	8.15	1.63	0.00	0.00	21.20	61.96	27.22	9.41	10.71	2.14	0.00	0.00	29.82	79.30
4380	27.11	11.45	10.42	2.08	0.00	0.00	26.39	77.45	33.89	11.71	13.70	2.74	0.00	0.00	37.12	99.16
4385	29.05	14.50	11.27	2.48	0.00	0.00	31.82	89.12	34.86	14.72	14.81	3.26	0.00	0.00	42.43	110.08

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		
4390	36.10	18.01	14.26	3.14	0.00	0.00	39.54	111.05	43.32	18.30	18.74	4.12	0.00	0.00	52.72	137.20	
4395	40.21	20.06	15.75	3.47	0.00	0.00	44.04	123.53	48.25	20.38	20.70	4.55	0.00	0.00	58.72	152.60	
4400	53.45	27.85	22.54	5.41	0.00	0.00	67.16	176.41	62.36	28.20	29.63	7.11	0.00	0.00	85.48	212.78	
4405	62.42	32.52	28.25	6.78	0.00	0.00	78.43	208.40	72.83	32.93	37.12	8.91	0.00	0.00	99.82	251.61	
4415	6.84	2.61	3.06	1.16	0.00	0.00	6.23	19.90	9.12	2.70	4.02	1.53	0.00	0.00	9.50	26.87	
4420	9.11	3.85	3.56	0.71	0.00	0.00	8.87	26.10	11.38	3.93	4.69	0.94	0.00	0.00	12.47	33.41	
4425	11.65	4.92	4.62	0.92	0.00	0.00	11.34	33.45	14.56	5.03	6.07	1.21	0.00	0.00	15.95	42.82	
4430	14.41	6.09	6.11	1.22	0.00	0.00	14.03	41.86	18.01	6.23	8.03	1.61	0.00	0.00	19.73	53.61	
4435	34.44	14.54	13.92	2.78	0.00	0.00	33.53	99.21	43.05	14.88	18.29	3.66	0.00	0.00	47.15	127.03	
4445	11.72	4.95	5.16	1.03	0.00	0.00	11.41	34.27	14.65	5.06	6.78	1.36	0.00	0.00	16.04	43.89	
4450	18.96	8.01	7.74	1.55	0.00	0.00	18.46	54.72	23.71	8.19	10.17	2.03	0.00	0.00	25.96	70.06	
4455	23.48	9.92	10.32	2.06	0.00	0.00	22.86	68.64	29.35	10.14	13.56	2.71	0.00	0.00	32.15	87.91	
4465	10.05	5.69	7.74	2.83	0.56	0.08	5.76	32.71	11.60	5.75	10.14	3.71	0.69	0.10	7.31	39.30	
4470	12.17	6.90	6.82	2.45	0.76	0.11	6.97	36.18	14.04	6.97	8.75	3.15	0.95	0.14	8.85	42.85	
4475	13.28	8.94	12.22	3.18	1.02	0.15	9.13	47.92	14.94	9.00	15.75	4.09	1.26	0.19	11.13	56.36	
4485	1.47	0.61	0.00	0.11	0.00	0.00	1.37	3.56	1.84	0.63	0.00	0.11	0.00	0.00	1.93	4.51	
4490	1.93	0.80	0.00	0.13	0.00	0.00	1.80	4.66	2.41	0.82	0.00	0.13	0.00	0.00	2.54	5.90	
4495	2.86	1.19	0.00	0.17	0.00	0.00	2.68	6.90	3.58	1.22	0.00	0.17	0.00	0.00	3.77	8.74	
4500	1.48	0.62	0.00	0.24	0.00	0.00	1.38	3.72	1.84	0.63	0.00	0.24	0.00	0.00	1.94	4.65	
4510	1.22	0.48	0.73	0.17	0.07	0.01	2.41	5.09									
4520	0.96	0.38	0.29	0.07	0.07	0.01	1.90	3.68									
4525	1.28	0.51	0.58	0.14	0.07	0.01	2.53	5.12									
4530	1.52	0.60	0.73	0.17	0.07	0.01	2.99	6.09									
4540	2.01	1.02	1.03	0.29	0.84	0.13	2.40	7.72	2.51	1.04	1.36	0.38	1.31	0.20	3.34	10.14	
4550	0.39	0.18	0.00	0.00	0.00	0.00	0.46	1.03	0.49	0.19	0.00	0.00	0.00	0.64	1.32		
4555	0.49	0.23	0.00	0.00	0.00	0.00	0.57	1.29	0.61	0.23	0.00	0.00	0.00	0.79	1.63		
4560	0.09	0.04	0.00	0.00	0.00	0.00	0.11	0.24	0.11	0.04	0.00	0.00	0.00	0.15	0.30		
4565	0.45	0.21	0.00	0.00	0.00	0.00	0.52	1.18	0.56	0.21	0.00	0.00	0.00	0.72	1.49		
4570	0.39	0.18	0.00	0.00	0.00	0.00	0.46	1.03	0.49	0.19	0.00	0.00	0.00	0.63	1.31		
4575	0.47	0.22	0.00	0.00	0.00	0.00	0.56	1.25	0.59	0.23	0.00	0.00	0.00	0.77	1.59		
4580	0.69	0.32	0.00	0.00	0.00	0.00	0.81	1.82	0.86	0.33	0.00	0.00	0.00	0.00	1.12	2.31	
4585	0.06	0.03	0.00	0.00	0.00	0.00	0.07	0.16	0.08	0.03	0.00	0.00	0.00	0.10	0.21		
4590	2.16	1.10	1.55	0.43	1.02	0.15	2.59	9.00	2.70	1.12	2.04	0.57	1.61	0.24	3.59	11.87	
4600	0.47	0.22	0.00	0.00	0.00	0.00	0.55	1.24	0.59	0.22	0.00	0.00	0.00	0.76	1.57		
4605	0.52	0.24	0.00	0.00	0.00	0.00	0.60	1.36	0.65	0.25	0.00	0.00	0.00	0.84	1.74		
4610	0.09	0.04	0.00	0.00	0.00	0.00	0.11	0.24	0.11	0.04	0.00	0.00	0.00	0.15	0.30		
4615	0.45	0.21	0.00	0.00	0.00	0.00	0.52	1.18	0.56	0.21	0.00	0.00	0.00	0.72	1.49		
4620	0.44	0.21	0.00	0.00	0.00	0.00	0.52	1.17	0.56	0.21	0.00	0.00	0.00	0.72	1.49		
4625	0.62	0.29	0.00	0.00	0.00	0.00	0.72	1.63	0.77	0.29	0.00	0.00	0.00	1.00	2.06		
4630	0.77	0.36	0.00	0.00	0.00	0.00	0.90	2.03	0.96	0.37	0.00	0.00	0.00	1.25	2.58		
4635	0.06	0.03	0.00	0.00	0.00	0.00	0.07	0.16	0.08	0.03	0.00	0.00	0.00	0.10	0.21		
4640	2.44	1.27	2.06	0.58	1.36	0.20	2.94	10.85	3.06	1.29	2.72	0.76	2.13	0.32	4.09	14.37	
4650	0.50	0.23	0.00	0.00	0.00	0.00	0.58	1.31	0.62	0.24	0.00	0.00	0.00	0.81	1.67		
4655	0.55	0.26	0.00	0.00	0.00	0.00	0.65	1.46	0.69	0.26	0.00	0.00	0.00	0.90	1.85		
4660	0.09	0.04	0.00	0.00	0.00	0.00	0.11	0.24	0.11	0.04	0.00	0.00	0.00	0.15	0.30		
4665	0.45	0.21	0.00	0.00	0.00	0.00	0.52	1.18	0.56	0.21	0.00	0.00	0.00	0.72	1.49		
4670	0.51	0.24	0.00	0.00	0.00	0.00	0.60	1.35	0.64	0.25	0.00	0.00	0.00	0.84	1.73		
4675	0.74	0.34	0.00	0.00	0.00	0.00	0.86	1.94	0.92	0.35	0.00	0.00	0.00	1.20	2.47		
4680	0.95	0.44	0.00	0.00	0.00	0.00	1.11	2.50	1.18	0.45	0.00	0.00	0.00	1.54	3.17		
4685	0.06	0.03	0.00	0.00	0.00	0.00	0.07	0.16	0.08	0.03	0.00	0.00	0.00	0.10	0.21		
4690	3.15	1.64	3.10	0.87	1.88	0.28	3.79	14.71	3.94	1.67	4.07	1.14	2.96	0.44	5.27	19.49	
4700	0.58	0.27	0.00	0.00	0.00	0.00	0.68	1.53	0.73	0.28	0.00	0.00	0.00	0.94	1.95		
4705	0.76	0.35	0.00	0.00	0.00	0.00	0.89	2.00	0.95	0.36	0.00	0.00	0.00	1.23	2.54		
4710	0.09	0.04	0.00	0.00	0.00	0.00	0.11	0.24	0.11	0.04	0.00	0.00	0.00	0.15	0.30		
4715	0.45	0.21	0.00	0.00	0.00	0.00	0.52	1.18	0.56	0.21	0.00	0.00	0.00	0.72	1.49		

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
4720	0.66	0.31	0.00	0.00	0.00	0.00	0.78	1.75	0.83	0.32	0.00	0.00	0.00	0.00	1.08	2.23
4725	0.85	0.40	0.00	0.00	0.00	0.00	1.00	2.25	1.06	0.41	0.00	0.00	0.00	0.00	1.38	2.85
4730	1.32	0.61	0.00	0.00	0.00	0.00	1.54	3.47	1.65	0.63	0.00	0.00	0.00	0.00	2.14	4.42
4735	0.06	0.03	0.00	0.00	0.00	0.00	0.07	0.16	0.08	0.03	0.00	0.00	0.00	0.00	0.10	0.21
4740	5.86	2.89	4.72	1.32	1.45	0.22	6.96	23.42	7.33	2.95	6.21	1.74	2.23	0.33	9.66	30.45
4750	0.84	0.39	0.00	0.00	0.00	0.00	0.99	2.22	1.06	0.40	0.00	0.00	0.00	0.00	1.37	2.83
4755	0.09	0.04	0.00	0.00	0.00	0.00	0.11	0.24	0.11	0.04	0.00	0.00	0.00	0.00	0.15	0.30
4760	0.47	0.22	0.00	0.00	0.00	0.00	0.55	1.24	0.59	0.22	0.00	0.00	0.00	0.00	0.77	1.58
4765	0.78	0.37	0.00	0.00	0.00	0.00	0.92	2.07	0.98	0.37	0.00	0.00	0.00	0.00	1.27	2.62
4770	1.15	0.54	0.00	0.00	0.00	0.00	1.35	3.04	1.44	0.55	0.00	0.00	0.00	0.00	1.87	3.86
4775	1.63	0.76	0.00	0.00	0.00	0.00	1.90	4.29	2.03	0.77	0.00	0.00	0.00	0.00	2.54	5.44
4780	0.06	0.03	0.00	0.00	0.00	0.00	0.07	0.16	0.08	0.03	0.00	0.00	0.00	0.00	0.10	0.21
4785	9.81	5.05	4.61	1.29	5.39	0.81	11.79	38.75	12.27	5.15	6.06	1.70	8.54	1.28	16.37	51.37
4790	11.01	5.62	6.82	1.91	5.50	0.82	13.20	44.88	13.76	5.73	8.97	2.51	8.72	1.31	18.33	59.33
4795	11.08	5.80	6.82	1.91	7.60	1.14	13.38	47.73	13.85	5.92	8.97	2.51	12.14	1.82	18.58	63.79
4800	12.75	6.68	10.69	2.99	8.99	1.35	15.40	58.85	15.94	6.82	14.06	3.94	14.38	2.16	21.39	78.69
4805	12.38	6.25	6.82	1.91	5.39	0.81	14.79	48.35	15.48	6.38	8.97	2.51	8.54	1.28	20.55	63.71
4810	13.12	6.60	6.82	1.91	5.50	0.82	15.67	50.44	16.40	6.74	8.97	2.51	8.72	1.31	21.76	66.41
4815	14.71	7.49	10.69	2.99	7.60	1.14	17.62	62.24	18.38	7.65	14.06	3.94	12.14	1.82	24.47	82.46
4820	16.20	8.29	10.69	2.99	8.99	1.35	19.43	67.94	20.25	8.47	14.06	3.94	14.38	2.16	26.99	90.25
4830	1.02	0.48	0.00	0.00	0.00	0.00	1.20	2.70	1.28	0.49	0.00	0.00	0.00	0.00	1.66	3.43
4835	1.34	0.63	0.00	0.00	0.00	0.00	1.57	3.54	1.68	0.64	0.00	0.00	0.00	0.00	2.18	4.50
4840	1.54	0.72	0.00	0.00	0.00	0.00	1.80	4.06	1.92	0.73	0.00	0.00	0.00	0.00	2.50	5.15
4845	1.54	0.72	0.00	0.00	0.00	0.00	1.81	4.07	1.93	0.74	0.00	0.00	0.00	0.00	2.51	5.18
4855	3.26	1.36	1.55	0.59	0.00	0.00	4.76	11.52	4.08	1.39	2.04	0.78	0.00	0.00	6.19	14.48
4860	4.36	1.82	2.51	0.95	0.00	0.00	6.37	16.01	5.45	1.86	3.30	1.25	0.00	0.00	8.28	20.14
4865	5.68	2.37	3.10	1.18	0.00	0.00	8.30	20.63	7.10	2.42	4.09	1.55	0.00	0.00	10.79	25.95
4870	7.66	3.20	4.37	1.66	0.00	0.00	11.19	28.08	9.58	3.27	5.76	2.19	0.00	0.00	14.55	35.35
4875	9.10	3.79	5.57	2.12	0.00	0.00	13.29	33.87	11.37	3.88	7.33	2.79	0.00	0.00	17.28	42.65
4885	3.40	1.42	2.59	0.98	0.00	0.00	4.97	13.36	4.25	1.45	3.40	1.29	0.00	0.00	6.46	16.85
4890	6.75	2.82	3.18	1.21	0.00	0.00	9.86	23.82	8.44	2.88	4.19	1.59	0.00	0.00	12.82	29.92
4895	8.50	3.55	4.37	1.66	0.00	0.00	12.42	30.50	10.63	3.63	5.76	2.19	0.00	0.00	16.15	38.36
4900	11.11	4.63	5.97	2.27	0.00	0.00	16.23	40.21	13.89	4.74	7.86	2.99	0.00	0.00	21.10	50.58
4905	15.74	6.57	8.35	3.17	0.00	0.00	23.00	56.83	19.68	6.72	11.00	4.18	0.00	0.00	29.90	71.48
4915	3.48	1.45	2.51	0.95	0.00	0.00	5.08	13.47	4.35	1.48	3.30	1.25	0.00	0.00	6.61	16.99
4920	4.22	1.76	3.10	1.18	0.00	0.00	6.16	16.42	5.27	1.80	4.09	1.55	0.00	0.00	8.01	20.72
4925	4.93	2.06	3.46	1.31	0.00	0.00	7.20	18.96	6.16	2.10	4.56	1.73	0.00	0.00	9.36	23.91
4930	6.57	2.74	4.85	1.84	0.00	0.00	9.59	25.59	8.21	2.80	6.39	2.43	0.00	0.00	12.47	32.30
4935	8.76	3.66	5.97	2.27	0.00	0.00	12.80	33.46	10.96	3.74	7.86	2.99	0.00	0.00	16.65	42.20
4940	12.52	5.22	8.87	3.37	0.00	0.00	18.28	48.26	15.65	5.34	11.68	4.44	0.00	0.00	23.77	60.88
4950	4.08	1.70	2.59	0.98	0.00	0.00	5.96	15.31	5.10	1.74	3.40	1.29	0.00	0.00	7.75	19.28
4955	5.07	2.12	3.10	1.18	0.00	0.00	7.41	18.88	6.34	2.17	4.09	1.55	0.00	0.00	9.64	23.79
4960	7.93	3.31	5.17	1.96	0.00	0.00	11.59	29.96	9.92	3.39	6.81	2.59	0.00	0.00	15.06	37.77
4965	11.71	4.88	7.56	2.87	0.00	0.00	17.11	44.13	14.64	5.00	9.95	3.78	0.00	0.00	22.24	55.61
4975	3.08	1.29	1.67	0.63	0.00	0.00	4.51	11.18	3.86	1.32	2.20	0.84	0.00	0.00	5.86	14.08
4980	4.08	1.70	2.66	1.01	0.00	0.00	5.96	15.41	5.10	1.74	3.51	1.33	0.00	0.00	7.75	19.43
4985	5.04	2.10	3.10	1.18	0.00	0.00	7.37	18.79	6.30	2.15	4.09	1.55	0.00	0.00	9.58	23.67
4990	7.46	3.11	4.37	1.66	0.00	0.00	10.90	27.50	9.32	3.18	5.76	2.19	0.00	0.00	14.16	34.61
4995	8.60	3.59	5.17	1.96	0.00	0.00	12.57	31.89	10.75	3.67	6.81	2.59	0.00	0.00	16.34	40.16
5000	12.46	5.20	7.95	3.02	0.00	0.00	18.20	46.83	15.57	5.32	10.48	3.98	0.00	0.00	23.66	59.01
5010	3.63	1.51	2.62	1.00	0.00	0.00	5.30	14.06	4.54	1.55	3.46	1.31	0.00	0.00	6.90	17.76
5015	5.05	2.10	3.58	1.36	0.00	0.00	7.37	19.46	6.31	2.15	4.71	1.79	0.00	0.00	9.58	24.54
5020	6.49	2.71	4.37	1.66	0.00	0.00	9.49	24.72	8.12	2.77	5.76	2.19	0.00	0.00	12.33	31.17
5025	8.11	3.38	5.37	2.04	0.00	0.00	11.85	30.75	10.14	3.46	7.07	2.69	0.00	0.00	15.41	38.77
5030	11.81	4.93	7.95	3.02	0.00	0.00	17.25	44.96	14.76	5.04	10.48	3.98	0.00	0.00	22.43	56.69

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS									
	DEPR	CFC	FUEL	FOG	TIKE	TIKE	WEAR	RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE	TIKE	WEAR	RPR
5035	23.16	9.66	13.92	5.29	0.00	0.00	33.83		85.86	28.95	9.89	18.33	6.97	0.00	0.00	43.98		108.12
5045	0.62	0.30	1.20	0.39	0.10	0.01	0.55		3.17	0.77	0.30	1.57	0.50	0.18	0.03	0.74		4.09
5050	0.74	0.36	0.55	0.23	0.10	0.01	0.67		2.66	0.93	0.36	0.73	0.31	0.18	0.03	0.89		3.43
5055	0.85	0.40	1.73	0.55	0.08	0.01	0.76		4.38	1.06	0.41	2.25	0.72	0.16	0.02	1.01		5.63
5060	0.96	0.45	0.81	0.34	0.08	0.01	0.85		3.50	1.19	0.46	1.07	0.45	0.16	0.02	1.14		4.49
5065	1.13	0.53	1.03	0.43	0.09	0.01	1.01		4.23	1.41	0.54	1.36	0.57	0.17	0.03	1.35		5.43
5070	1.04	0.49	2.41	0.77	0.09	0.01	0.93		5.74	1.30	0.50	3.14	1.00	0.17	0.03	1.24		7.38
5075	1.20	0.56	2.56	0.82	0.09	0.01	1.07		6.31	1.50	0.58	3.33	1.07	0.17	0.03	1.43		8.11
5080	1.29	0.61	1.33	0.56	0.09	0.01	1.15		5.04	1.61	0.62	1.75	0.73	0.17	0.03	1.54		6.45
5085	1.61	0.78	1.99	0.84	0.31	0.05	1.45		7.03	2.01	0.80	2.62	1.10	0.59	0.09	1.94		9.15
5090	2.84	1.43	2.88	1.21	1.01	0.15	2.58		12.10	3.55	1.46	3.78	1.59	1.93	0.29	3.46		16.06
5100	1.82	0.87	1.36	0.57	0.20	0.03	1.63		6.48	2.28	0.88	1.79	0.75	0.38	0.06	2.19		8.33
5105	3.33	1.58	2.03	0.85	0.35	0.05	2.97		11.16	4.16	1.61	2.67	1.12	0.66	0.10	3.98		14.30
5110	4.31	2.09	3.06	1.28	0.83	0.12	3.88		15.57	5.39	2.13	4.03	1.69	1.58	0.24	5.19		20.25
5115	5.53	2.68	3.80	1.59	1.02	0.15	4.97		19.74	6.91	2.73	5.00	2.10	1.94	0.29	6.66		25.63
5120	5.75	2.86	4.05	1.70	1.70	0.25	5.21		21.52	7.19	2.92	5.33	2.24	3.24	0.49	6.98		28.39
5125	7.23	3.46	4.87	2.04	1.02	0.15	6.48		25.25	9.03	3.53	6.40	2.69	1.94	0.29	8.68		32.56
5130	9.43	4.66	6.82	2.86	2.58	0.39	8.53		35.27	11.79	4.76	8.97	3.77	4.92	0.74	11.42		46.37
5140	3.52	1.71	2.40	1.01	0.75	0.11	3.17		12.67	4.40	1.75	3.15	1.32	1.43	0.21	4.24		16.50
5145	4.99	2.40	2.95	1.24	0.83	0.12	4.48		17.01	6.24	2.45	3.88	1.63	1.58	0.24	6.00		22.02
5150	5.70	2.75	3.69	1.55	1.02	0.15	5.12		19.98	7.12	2.81	4.85	2.04	1.94	0.29	6.86		25.91
5155	9.09	4.40	5.71	2.40	1.70	0.25	8.18		31.73	11.37	4.50	7.52	3.16	3.24	0.49	10.95		41.23
5160	12.30	6.00	7.37	3.10	2.70	0.41	11.08		42.96	15.37	6.13	9.70	4.07	5.16	0.77	14.84		56.04
5165	15.39	7.46	9.95	2.99	5.65	0.85	12.17		54.46	18.47	7.59	13.09	3.93	10.78	1.62	15.65		71.13
5170	21.81	10.83	13.82	4.15	7.67	1.15	17.32		76.75	26.17	11.02	18.19	5.46	14.64	2.20	22.27		99.95
5175	43.24	22.02	25.43	7.63	19.31	2.90	34.49		155.02	51.89	22.40	33.46	10.04	36.87	5.53	44.34		204.53
5185	4.32	2.09	3.13	1.32	0.75	0.11	3.88		15.60	5.41	2.13	4.12	1.73	1.43	0.21	5.20		20.23
5190	5.08	2.45	4.05	1.70	0.83	0.12	4.56		18.79	6.35	2.50	5.33	2.24	1.58	0.24	6.11		24.35
5195	5.92	2.85	4.46	1.87	1.02	0.15	5.31		21.58	7.39	2.91	5.87	2.46	1.94	0.29	7.12		27.98
5200	8.53	4.17	5.68	2.38	1.95	0.29	7.69		30.69	10.67	4.26	7.47	3.14	3.72	0.56	10.30		40.12
5205	11.38	5.62	7.48	3.14	3.11	0.47	10.29		41.49	14.22	5.74	9.85	4.14	5.94	0.89	13.78		54.56
5210	14.47	7.05	10.28	3.09	5.65	0.85	11.46		52.85	17.37	7.17	13.53	4.06	10.78	1.62	14.73		69.26
5215	21.25	10.35	13.27	3.98	5.94	0.89	16.82		72.50	25.50	10.53	17.46	5.24	11.34	1.70	21.63		93.40
5220	38.82	19.41	22.56	6.77	14.65	2.20	30.86		135.27	46.58	19.75	29.68	8.90	27.97	4.20	39.68		176.76
5230	3.85	1.86	2.95	1.24	0.70	0.10	3.46		14.16	4.81	1.90	3.88	1.63	1.33	0.20	4.64		18.39
5235	4.94	2.36	4.05	1.70	0.70	0.10	4.43		18.28	6.17	2.41	5.33	2.24	1.33	0.20	5.93		23.61
5240	5.36	2.60	4.68	1.97	1.02	0.15	4.82		20.60	6.70	2.65	6.16	2.59	1.94	0.29	6.46		26.79
5245	7.44	3.68	6.05	2.54	2.05	0.31	6.73		28.80	9.30	3.76	7.95	3.34	3.91	0.59	9.01		37.86
5250	11.51	5.69	8.22	3.45	3.11	0.47	10.41		42.86	14.39	5.81	10.82	4.54	5.94	0.89	13.94		56.33
5255	16.20	8.07	12.35	3.70	5.94	0.89	12.87		60.02	19.43	8.21	16.25	4.87	11.34	1.70	16.55		78.35
5265	1.78	0.88	1.77	0.74	0.43	0.06	1.61		7.27	2.22	0.89	2.33	0.98	0.81	0.12	2.15		9.50
5270	2.28	1.11	2.29	0.96	0.43	0.07	2.05		9.19	2.85	1.13	3.01	1.26	0.82	0.12	2.75		11.94
5275	4.48	2.16	3.24	1.36	0.75	0.11	4.02		16.12	5.60	2.20	4.27	1.79	1.43	0.21	5.39		20.89
5280	5.36	2.60	3.94	1.66	1.02	0.15	4.82		19.55	6.70	2.65	5.19	2.18	1.94	0.29	6.45		25.40
5285	7.61	3.72	5.01	2.11	1.70	0.25	6.86		27.26	9.51	3.79	6.60	2.77	3.24	0.49	9.18		35.58
5295	3.77	1.83	2.95	1.24	0.75	0.11	3.40		14.05	4.72	1.87	3.88	1.63	1.43	0.21	4.55		18.29
5300	4.67	2.26	3.69	1.55	0.83	0.12	4.19		17.31	5.84	2.30	4.85	2.04	1.58	0.24	5.62		22.47
5305	5.41	2.62	4.42	1.86	1.02	0.15	4.86		20.34	6.76	2.67	5.82	2.44	1.94	0.29	6.51		26.43
5310	7.83	3.82	5.71	2.40	1.70	0.25	7.06		28.77	9.79	3.90	7.52	3.16	3.24	0.49	9.45		37.55
5315	10.74	5.31	6.97	2.93	2.96	0.44	9.71		39.06	13.43	5.43	9.17	3.85	5.66	0.85	13.01		51.40
5320	14.82	7.51	7.70	3.24	5.65	0.85	13.49		53.26	18.52	7.67	10.14	4.26	10.78	1.62	18.07		71.06
5325	20.90	10.19	15.30	4.59	5.94	0.89	16.54		74.35	25.07	10.37	20.13	6.04	11.34	1.70	21.27		95.92
5330	38.90	19.05	21.75	6.52	11.64	1.75	30.82		130.43	46.68	19.38	28.61	8.58	22.22	3.33	39.63		168.43
5340	1.66	0.81	1.58	0.67	0.32	0.05	1.49		6.58	2.07	0.82	2.09	0.88	0.59	0.09	2.00		8.54
5345	4.50	2.17	3.13	1.32	0.75	0.11	4.04		16.02	5.62	2.21	4.12	1.73	1.43	0.21	5.41		20.73

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS								SEVERE CONDITIONS								TOTAL RATE
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	
5350	5.51	2.63	3.87	1.63	0.70	0.10	4.93	19.37	6.89	2.68	5.09	2.14	1.33	0.20	6.61	24.94	
5355	7.81	3.79	5.34	2.24	1.53	0.23	7.02	27.96	9.76	3.87	7.03	2.95	2.92	0.44	9.40	36.37	
5360	13.20	6.47	9.58	2.88	5.65	0.85	10.46	49.09	15.84	6.59	12.61	3.78	10.78	1.62	13.45	64.67	
5370	4.59	2.24	3.83	1.61	1.02	0.15	4.14	17.58	5.74	2.29	5.04	2.12	1.94	0.29	5.54	22.96	
5375	6.39	3.15	5.82	2.45	1.70	0.25	5.77	25.53	7.99	3.22	7.66	3.22	3.24	0.49	7.73	33.55	
5380	6.86	3.38	6.08	2.55	1.78	0.27	6.19	27.11	8.57	3.45	8.00	3.36	3.39	0.51	8.29	35.57	
5385	9.26	4.60	8.00	3.36	2.70	0.41	8.38	36.71	11.58	4.70	10.52	4.42	5.16	0.77	11.23	48.38	
5390	11.95	5.86	11.24	3.37	5.12	0.77	9.47	47.78	14.34	5.96	14.79	4.44	9.77	1.47	12.17	62.94	
5395	18.20	9.21	14.12	4.24	7.67	1.15	14.50	69.09	21.84	9.37	18.58	5.57	14.64	2.20	18.64	90.84	
5405	4.57	2.23	3.80	1.59	1.02	0.15	4.12	17.48	5.71	2.28	5.00	2.10	1.94	0.29	5.52	22.84	
5410	5.29	2.56	4.17	1.75	1.02	0.15	4.76	19.70	6.61	2.62	5.48	2.30	1.94	0.29	6.37	25.61	
5415	7.40	3.63	5.31	2.23	1.78	0.27	6.68	27.30	9.25	3.71	6.98	2.93	3.39	0.51	8.94	35.71	
5420	10.26	5.05	7.74	3.25	2.64	0.40	9.26	38.60	12.82	5.16	10.18	4.28	5.05	0.76	12.40	50.65	
5425	14.47	7.04	11.32	3.39	5.65	0.85	11.45	54.17	17.36	7.16	14.89	4.47	10.78	1.62	14.72	71.00	
5430	21.19	10.32	14.30	4.29	5.94	0.89	16.77	73.70	25.43	10.50	18.82	5.65	11.34	1.70	21.57	95.01	
5440	4.15	2.04	3.43	1.44	1.02	0.15	3.74	15.97	5.19	2.08	4.51	1.89	1.94	0.29	5.01	20.91	
5445	5.32	2.58	8.95	2.87	1.02	0.15	4.79	25.68	6.65	2.63	11.67	3.73	1.94	0.29	6.41	33.32	
5450	7.02	3.44	5.90	2.48	1.70	0.25	6.33	27.12	8.77	3.52	7.76	3.26	3.24	0.49	8.48	35.52	
5455	10.32	5.14	7.48	3.14	3.11	0.47	9.35	39.01	12.91	5.25	9.85	4.14	5.94	0.89	12.52	51.50	
5460	14.22	6.97	10.51	3.15	6.02	0.90	11.27	53.04	17.06	7.09	13.82	4.15	11.49	1.72	14.48	69.81	
5465	18.64	9.17	14.74	4.42	5.94	0.89	14.78	68.58	22.36	9.33	19.40	5.82	11.34	1.70	19.00	88.95	
5475	2.89	1.39	1.73	0.55	0.34	0.05	2.96	9.91	3.61	1.42	2.28	0.73	0.48	0.07	3.93	12.52	
5480	3.41	1.62	2.03	0.65	0.27	0.04	3.49	11.51	4.27	1.65	2.67	0.85	0.38	0.06	4.63	14.51	
5485	5.24	2.50	2.95	0.94	0.53	0.08	5.36	17.60	6.55	2.55	3.88	1.24	0.75	0.11	7.12	22.20	
5490	6.15	2.95	4.09	1.31	0.71	0.11	6.30	21.62	7.69	3.01	5.38	1.72	0.99	0.15	8.37	27.31	
5500	2.86	1.38	2.14	0.68	0.38	0.06	2.94	10.44	3.58	1.41	2.81	0.90	0.53	0.08	3.90	13.21	
5505	3.42	1.64	2.29	0.73	0.42	0.06	3.50	12.06	4.27	1.68	3.01	0.96	0.60	0.09	4.66	15.27	
5510	3.95	1.91	2.58	0.83	0.53	0.08	4.06	13.94	4.94	1.95	3.39	1.09	0.75	0.11	5.39	17.62	
5515	4.56	2.19	2.95	0.94	0.53	0.08	4.67	15.92	5.70	2.23	3.88	1.24	0.75	0.11	6.20	20.11	
5520	5.41	2.62	3.69	1.18	0.83	0.13	5.56	19.42	6.76	2.68	4.85	1.55	1.17	0.18	7.38	24.57	
5530	4.30	1.79	1.55	0.59	0.00	0.00	6.28	14.51	5.38	1.84	2.04	0.78	0.00	0.00	8.17	18.21	
5535	5.12	2.14	2.11	0.80	0.00	0.00	7.48	17.65	6.40	2.19	2.78	1.05	0.00	0.00	9.73	22.15	
5545	4.39	1.83	2.59	0.98	0.00	0.00	6.42	16.21	5.49	1.87	3.40	1.29	0.00	0.00	8.34	20.39	
5560	1.10	0.40	0.00	1.03	0.00	0.00	1.50	4.03									
5565	2.13	0.77	0.00	1.96	0.00	0.00	2.90	7.76									
5570	0.55	0.20	0.00	0.25	0.00	0.00	0.75	1.75									
5575	0.87	0.31	0.00	0.36	0.00	0.00	1.18	2.72									
5585	1.51	0.55	0.00	0.25	0.00	0.00	2.06	4.37									
5590	2.28	0.82	0.00	0.33	0.00	0.00	3.09	6.52									
5600	1.94	0.70	0.00	0.27	0.00	0.00	2.65	5.56									
5605	2.53	0.92	0.00	0.49	0.00	0.00	3.45	7.39									
5610	2.97	1.08	0.00	0.78	0.00	0.00	4.04	8.87									
5620	3.81	1.38	0.00	0.06	0.00	0.00	5.18	10.43									
5625	4.26	1.54	0.00	0.06	0.00	0.00	5.79	11.65									
5630	7.00	2.53	0.00	0.06	0.00	0.00	9.51	19.10									
5635	7.43	2.69	0.00	0.06	0.00	0.00	10.10	20.28									
5645	3.88	1.40	0.00	0.43	0.00	0.00	5.28	10.99									
5650	4.44	1.61	0.00	0.49	0.00	0.00	6.05	12.59									
5655	5.10	1.85	0.00	0.59	0.00	0.00	6.94	14.48									
5660	5.59	2.02	0.00	0.73	0.00	0.00	7.60	15.94									
5665	6.25	2.26	0.00	0.63	0.00	0.00	8.50	17.64									
5670	7.48	2.71	0.00	0.93	0.00	0.00	10.18	21.30									
5675	8.88	3.21	0.00	0.93	0.00	0.00	12.07	25.09									
5680	11.88	4.30	0.00	1.14	0.00	0.00	16.15	33.47									

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRES WEAR	TIRES RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRES WEAR	TIRES RPR	TOTAL RATE	
5685	17.52	6.34	0.00	1.25	0.00	0.00	23.82	48.93								
5695	3.05	1.10	0.00	0.49	0.00	0.00	4.14	8.78								
5700	3.45	1.25	0.00	0.64	0.00	0.00	4.69	10.03								
5705	4.60	1.66	0.00	0.64	0.00	0.00	6.25	13.15								
5710	1.16	0.42	0.00	0.25	0.00	0.00	1.58	3.41								
5715	1.47	0.53	0.00	0.33	0.00	0.00	1.99	4.32								
5720	1.83	0.66	0.00	0.43	0.00	0.00	2.49	5.41								
5730	4.93	1.78	0.00	0.66	0.00	0.00	6.71	14.08								
5735	5.65	2.05	0.00	0.78	0.00	0.00	7.69	16.17								
5740	6.06	2.19	0.00	0.93	0.00	0.00	8.25	17.43								
5745	7.43	2.69	0.00	1.09	0.00	0.00	10.10	21.31								
5750	9.20	3.33	0.00	1.14	0.00	0.00	12.51	26.18								
5755	13.33	4.82	0.00	1.35	0.00	0.00	18.13	37.63								
5765	6.68	2.42	2.17	0.70	0.00	0.00	9.09	21.06								
5770	12.56	4.54	5.75	1.84	0.00	0.00	17.08	41.77								
5775	18.46	6.68	10.87	3.48	0.00	0.00	25.11	64.60								
5780	19.87	7.19	20.27	6.49	0.00	0.00	27.02	80.84								
5785	25.22	9.12	23.96	7.67	0.00	0.00	34.31	100.28								
5795	7.58	4.12	2.14	0.86	0.00	0.00	7.09	21.79	9.09	4.18	2.75	1.10	0.00	0.00	9.64	26.76
5800	12.23	6.65	4.07	1.63	0.00	0.00	11.44	36.02	14.68	6.74	5.24	2.10	0.00	0.00	15.56	44.32
5805	17.02	9.25	4.07	1.63	0.00	0.00	15.92	47.89	20.43	9.38	5.24	2.10	0.00	0.00	21.65	58.80
5810	17.57	9.55	6.11	2.44	0.00	0.00	16.43	52.10	21.09	9.68	7.86	3.14	0.00	0.00	22.35	64.12
5815	24.54	13.33	8.35	3.34	0.00	0.00	22.95	72.51	29.45	13.53	10.74	4.30	0.00	0.00	31.21	89.23
5825	1.32	0.41	0.00	0.15	0.00	0.00	1.35	3.23								
5830	0.49	0.15	0.00	0.10	0.00	0.00	0.50	1.24								
5835	1.94	0.61	0.00	0.31	0.00	0.00	2.00	4.86								
5840	0.84	0.26	0.00	0.05	0.00	0.00	0.86	2.01								
5850	0.50	0.23	1.04	0.33	0.00	0.00	0.52	2.62								
5855	0.63	0.29	1.56	0.50	0.00	0.00	0.66	3.64								
5865	0.03	0.02	0.21	0.07	0.00	0.00	0.04	0.37								
5870	0.04	0.02	0.31	0.10	0.00	0.00	0.05	0.52								
5875	0.08	0.04	0.83	0.27	0.00	0.00	0.09	1.31								
5885	0.66	0.31	4.46	1.43	0.00	0.00	0.69	7.55								
5890	0.38	0.18	1.54	0.59	0.00	0.00	0.39	3.08								
5895	0.88	0.41	8.20	2.62	0.00	0.00	0.91	13.02								
5900	1.26	0.59	3.08	1.17	0.00	0.00	1.31	7.41								
5905	1.62	0.76	3.60	1.37	0.00	0.00	1.69	9.04								
5910	1.72	0.80	3.50	1.33	0.00	0.00	1.79	9.14								
5920	0.07	0.03	0.52	0.17	0.00	0.00	0.07	0.86								
5925	0.10	0.05	0.83	0.27	0.00	0.00	0.10	1.35								
5930	0.20	0.09	1.66	0.53	0.00	0.00	0.21	2.69								
5940	0.09	0.04	0.31	0.10	0.00	0.00	0.09	0.63								
5945	0.10	0.05	0.31	0.10	0.00	0.00	0.10	0.66								
5955	0.12	0.06	0.14	0.06	0.00	0.00	0.06	0.44								
5960	0.17	0.08	0.35	0.16	0.00	0.00	0.09	0.85								
5965	0.62	0.29	1.75	0.79	0.00	0.00	0.32	3.77								
5970	0.80	0.38	4.21	1.90	0.00	0.00	0.42	7.71								
5980	0.10	0.05	0.14	0.06	0.00	0.00	0.05	0.40								
5985	0.12	0.06	0.28	0.13	0.00	0.00	0.06	0.65								
5995	2.45	0.84	0.00	0.10	0.00	0.00	2.29	5.68	3.27	0.87	0.00	0.10	0.00	0.00	3.43	7.67
6000	0.19	0.07	0.00	0.00	0.00	0.00	0.18	0.44	0.26	0.07	0.00	0.00	0.00	0.00	0.27	0.60
6005	1.83	0.63	0.00	0.08	0.00	0.00	1.72	4.26	2.45	0.65	0.00	0.08	0.00	0.00	2.57	5.75
6010	0.08	0.03	0.00	0.00	0.00	0.00	0.08	0.19	0.11	0.03	0.00	0.00	0.00	0.00	0.12	0.26
6015	2.10	0.72	0.00	0.10	0.00	0.00	1.96	4.88	2.80	0.74	0.00	0.10	0.00	0.00	2.95	6.59
6020	0.19	0.06	0.00	0.00	0.00	0.00	0.18	0.43	0.25	0.07	0.00	0.00	0.00	0.00	0.27	0.59

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
6025	1.52	0.52	0.00	0.08	0.00	0.00	1.43	3.55	2.03	0.54	0.00	0.08	0.00	0.00	2.14	4.79
6030	0.12	0.04	0.00	0.00	0.00	0.00	0.11	0.27	0.16	0.04	0.00	0.00	0.00	0.00	0.17	0.37
6035	0.89	0.31	0.00	0.08	0.00	0.00	0.84	2.12	1.19	0.32	0.00	0.08	0.00	0.00	1.25	2.84
6040	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.06	0.02	0.00	0.00	0.00	0.00	0.07	0.15
6045	2.35	0.80	0.00	0.08	0.00	0.00	2.19	5.42	3.13	0.83	0.00	0.08	0.00	0.00	3.29	7.33
6050	0.19	0.06	0.00	0.00	0.00	0.00	0.18	0.43	0.25	0.07	0.00	0.00	0.00	0.00	0.27	0.59
6055	2.09	0.71	0.00	0.08	0.00	0.00	1.95	4.83	2.78	0.74	0.00	0.08	0.00	0.00	2.93	6.53
6060	0.26	0.09	0.00	0.00	0.00	0.00	0.24	0.59	0.34	0.09	0.00	0.00	0.00	0.00	0.36	0.79
6065	0.74	0.31	0.00	0.08	0.00	0.00	0.69	1.82	0.92	0.31	0.00	0.08	0.00	0.00	0.97	2.28
6075	5.13	1.75	0.00	0.22	0.00	0.00	4.80	11.90	6.84	1.82	0.00	0.22	0.00	0.00	7.20	16.08
6080	0.37	0.13	0.00	0.00	0.00	0.00	0.35	0.85	0.50	0.13	0.00	0.00	0.00	0.00	0.52	1.15
6085	5.47	1.87	0.00	0.21	0.00	0.00	5.11	12.66	7.29	1.94	0.00	0.21	0.00	0.00	7.67	17.11
6090	4.36	1.49	0.00	0.16	0.00	0.00	4.07	10.08	5.81	1.54	0.00	0.16	0.00	0.00	6.11	13.62
6095	0.34	0.11	0.00	0.00	0.00	0.00	0.31	0.76	0.45	0.12	0.00	0.00	0.00	0.00	0.47	1.04
6100	4.05	1.38	0.00	0.16	0.00	0.00	3.79	9.38	5.40	1.44	0.00	0.16	0.00	0.00	5.68	12.68
6105	2.94	1.00	0.00	0.10	0.00	0.00	2.75	6.79	3.92	1.04	0.00	0.10	0.00	0.00	4.12	9.18
6110	0.19	0.06	0.00	0.00	0.00	0.00	0.18	0.43	0.25	0.07	0.00	0.00	0.00	0.00	0.27	0.59
6115	2.86	0.98	0.00	0.10	0.00	0.00	2.67	6.61	3.81	1.01	0.00	0.10	0.00	0.00	4.01	8.93
6120	1.64	0.56	0.00	0.08	0.00	0.00	1.54	3.82	2.19	0.58	0.00	0.08	0.00	0.00	2.30	5.15
6125	0.10	0.03	0.00	0.00	0.00	0.00	0.09	0.22	0.13	0.03	0.00	0.00	0.00	0.00	0.14	0.30
6130	1.03	0.35	0.00	0.08	0.00	0.00	0.96	2.42	1.37	0.36	0.00	0.08	0.00	0.00	1.44	3.25
6135	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.07	0.02	0.00	0.00	0.00	0.00	0.07	0.16
6140	0.63	0.22	0.00	0.08	0.00	0.00	0.59	1.52	0.85	0.22	0.00	0.08	0.00	0.00	0.89	2.04
6145	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.09
6150	0.27	0.09	0.00	0.08	0.00	0.00	0.25	0.69	0.36	0.10	0.00	0.08	0.00	0.00	0.38	0.92
6155	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05
6165	5.53	1.89	0.00	0.28	0.00	0.00	5.17	12.87	7.37	1.96	0.00	0.28	0.00	0.00	7.76	17.37
6170	4.35	1.49	0.00	0.20	0.00	0.00	4.07	10.11	5.80	1.54	0.00	0.20	0.00	0.00	6.10	13.64
6175	3.30	1.13	0.00	0.10	0.00	0.00	3.08	7.61	4.40	1.17	0.00	0.10	0.00	0.00	4.62	10.29
6180	2.05	0.70	0.00	0.09	0.00	0.00	1.91	4.75	2.73	0.73	0.00	0.09	0.00	0.00	2.87	6.42
6190	3.01	1.32	3.13	0.75	0.18	0.03	3.08	11.50								
6195	3.33	1.46	3.13	0.75	0.18	0.03	3.40	12.28								
6200	3.87	1.69	3.13	0.75	0.22	0.03	3.95	13.64								
6205	6.07	2.71	4.61	1.11	0.68	0.10	6.22	21.50								
6215	2.63	1.16	2.80	0.67	0.18	0.03	2.68	10.15								
6220	2.83	1.24	2.80	0.67	0.18	0.03	2.89	10.64								
6225	2.89	1.27	2.88	0.69	0.18	0.03	2.96	10.90								
6230	2.77	1.22	8.05	1.93	0.22	0.03	2.84	17.06								
6235	3.10	1.36	2.80	0.67	0.22	0.03	3.17	11.35								
6240	2.89	1.28	8.05	1.93	0.26	0.04	2.96	17.41								
6245	3.21	1.42	2.80	0.67	0.26	0.04	3.29	11.69								
6250	6.89	3.11	4.31	1.04	0.90	0.13	7.09	23.47								
6260	2.87	1.26	2.51	0.60	0.18	0.03	2.94	10.39								
6265	3.56	1.56	2.51	0.60	0.22	0.03	3.64	12.12								
6270	7.19	3.22	4.79	1.15	0.82	0.12	7.38	24.67								
6275	8.24	3.88	4.79	1.15	2.08	0.31	8.55	29.00								
6285	3.62	2.13	0.00	0.20	1.92	0.29	3.98	12.14								
6290	5.12	2.52	0.00	0.22	1.50	0.22	5.37	14.95								
6300	4.72	2.58	0.00	0.37	1.82	0.27	5.08	14.84								
6305	4.97	2.88	0.00	0.42	2.49	0.37	5.44	16.57								
6310	7.47	3.96	0.00	0.63	2.49	0.37	7.98	22.90								
6320	0.64	0.32	0.00	0.05	0.21	0.03	0.67	1.92								
6330	1.05	0.45	0.00	0.14	0.00	0.00	1.07	2.71								
6335	1.33	0.57	0.00	0.14	0.00	0.00	1.36	3.40								
6340	1.37	0.59	0.00	0.14	0.00	0.00	1.40	3.50								

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	
6345	2.06	0.88	0.00	0.14	0.00	0.00	2.09	5.17								
6350	3.15	1.35	0.00	0.14	0.00	0.00	3.20	7.84								
6355	4.77	2.04	0.00	0.14	0.00	0.00	4.85	11.80								
6360	3.11	1.33	0.00	0.15	0.00	0.00	3.16	7.75								
6365	3.63	1.55	0.00	0.14	0.00	0.00	3.69	9.01								
6370	5.61	2.40	0.00	0.14	0.00	0.00	5.70	13.85								
6380	0.46	0.20	0.00	0.15	0.00	0.00	0.47	1.28								
6385	0.94	0.40	0.00	0.15	0.00	0.00	0.95	2.44								
6395	12.44	5.32	7.74	1.86	0.00	0.00	12.64	40.00								
6400	18.75	8.03	11.43	2.74	0.00	0.00	19.05	60.00								
6405	19.80	8.47	11.43	2.74	0.00	0.00	20.12	62.56								
6415	19.93	8.53	12.16	2.92	0.00	0.00	20.26	63.80								
6425	2.07	0.89	1.92	0.46	0.00	0.00	2.11	7.45								
6430	2.47	1.06	1.92	0.46	0.00	0.00	2.51	8.42								
6435	3.78	1.62	3.13	0.75	0.00	0.00	3.84	13.12								
6440	3.94	1.69	3.13	0.75	0.00	0.00	4.01	13.52								
6445	4.12	1.76	3.13	0.75	0.00	0.00	4.19	13.95								
6450	4.29	1.84	3.13	0.75	0.00	0.00	4.36	14.37								
6460	4.12	1.76	8.05	1.93	0.00	0.00	4.19	20.05								
6465	4.43	1.89	3.13	0.75	0.00	0.00	4.50	14.70								
6470	4.37	1.87	8.05	1.93	0.00	0.00	4.44	20.66								
6475	4.67	2.00	3.13	0.75	0.00	0.00	4.75	15.30								
6480	2.03	0.87	4.06	0.98	0.00	0.00	2.06	10.00								
6485	2.75	1.18	8.05	1.93	0.00	0.00	2.79	16.70								
6490	3.05	1.31	3.13	0.75	0.00	0.00	3.10	11.34								
6495	3.33	1.43	8.05	1.93	0.00	0.00	3.38	18.12								
6500	3.63	1.55	3.13	0.75	0.00	0.00	3.69	12.75								
6505	3.59	1.54	8.05	1.93	0.00	0.00	3.65	18.76								
6510	3.89	1.67	3.13	0.75	0.00	0.00	3.95	13.39								
6520	1.27	0.45	1.87	0.60	0.00	0.00	1.62	5.81								
6525	1.56	0.55	1.87	0.60	0.00	0.00	1.98	6.56								
6530	3.29	1.15	2.21	0.71	0.00	0.00	4.18	11.54								
6535	3.60	1.26	2.21	0.71	0.00	0.00	4.58	12.36								
6540	5.03	1.76	4.88	1.56	0.00	0.00	6.39	19.62								
6545	5.31	1.86	4.88	1.56	0.00	0.00	6.74	20.35								
6555	3.55	1.24	2.52	0.81	0.00	0.00	4.51	12.63								
6560	3.85	1.35	2.52	0.81	0.00	0.00	4.90	13.43								
6565	6.20	2.17	3.96	1.27	0.00	0.00	7.87	21.47								
6570	6.76	2.37	3.96	1.27	0.00	0.00	8.59	22.95								
6580	2.41	0.84	2.00	0.64	0.00	0.00	3.06	8.95								
6585	2.95	1.03	2.00	0.64	0.00	0.00	3.75	10.37								
6595	1.84	0.64	1.54	0.49	0.00	0.00	2.33	6.84								
6600	1.67	0.58	1.54	0.49	0.00	0.00	2.12	6.40								
6610	7.72	2.70	3.86	1.23	0.00	0.00	9.80	25.31								
6615	5.89	2.06	2.57	0.82	0.00	0.00	7.48	18.82								
6630	5.72	2.03	3.75	1.20	0.19	0.03	7.29	20.21								
6635	6.41	2.35	4.37	1.40	0.65	0.10	8.22	23.50								
6640	7.59	2.69	4.37	1.40	0.18	0.03	9.66	25.92								
6645	8.33	3.01	6.43	2.06	0.55	0.08	10.66	31.12								
6650	7.78	2.80	6.43	2.06	0.48	0.07	9.95	29.57								
6655	8.39	3.01	6.43	2.06	0.48	0.07	10.71	31.15								
6660	9.73	3.48	6.43	2.06	0.48	0.07	12.41	34.66								
6665	8.66	3.11	6.43	2.06	0.48	0.07	11.06	31.87								
6670	9.40	3.37	6.43	2.06	0.48	0.07	12.00	33.81								
6680	8.34	2.92	6.43	2.06	0.00	0.00	10.59	30.34								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							
	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	TOTAL RATE
6685	6.66	2.41	4.37	1.40	0.48	0.07	8.52	23.91							
6690	7.08	2.56	6.17	1.97	0.48	0.07	9.06	27.39							
6695	8.08	2.91	6.17	1.97	0.48	0.07	10.32	30.00							
6705	8.63	3.10	5.91	1.89	0.48	0.07	11.02	31.10							
6710	12.67	4.59	10.44	3.34	0.98	0.15	16.22	48.39							
6720	5.35	1.89	3.60	1.15	0.10	0.01	6.81	18.91							
6725	5.28	1.88	3.60	1.15	0.20	0.03	6.74	18.88							
6730	7.11	2.51	4.11	1.32	0.14	0.02	9.05	24.26							
6735	6.11	2.17	4.11	1.32	0.20	0.03	7.78	21.72							
6740	5.78	2.13	3.60	1.15	0.65	0.10	7.42	20.83							
6745	7.92	2.84	4.52	1.45	0.42	0.06	10.12	27.33							
6750	9.18	3.29	6.12	1.96	0.44	0.07	11.72	32.78							
6755	7.28	2.62	6.43	2.06	0.48	0.07	9.30	28.24							
6760	10.78	3.86	6.12	1.96	0.55	0.08	13.77	37.12							
6765	9.34	3.36	6.12	1.96	0.55	0.08	11.94	33.35							
6770	7.89	2.88	6.43	2.06	0.72	0.11	10.11	30.20							
6780	5.96	2.19	3.50	1.12	0.65	0.10	7.65	21.17							
6785	5.43	1.93	3.50	1.12	0.18	0.03	6.92	19.11							
6790	6.38	2.26	4.11	1.32	0.18	0.03	8.13	22.41							
6795	6.80	2.48	3.86	1.23	0.65	0.10	8.71	23.83							
6800	6.98	2.47	4.11	1.32	0.18	0.03	8.88	23.97							
6805	9.05	3.25	5.66	1.81	0.48	0.07	11.56	31.88							
6810	7.48	2.70	5.50	1.76	0.48	0.07	9.56	27.55							
6815	8.11	2.92	5.50	1.76	0.48	0.07	10.36	29.20							
6820	10.41	3.72	5.66	1.81	0.48	0.07	13.28	35.43							
6830	1.09	0.38	0.82	0.26	0.00	0.00	1.39	3.94							
6835	2.89	1.01	1.75	0.56	0.00	0.00	3.67	9.88							
6840	6.82	2.39	3.65	1.17	0.00	0.00	8.66	22.69							
6845	9.15	3.20	6.43	2.06	0.00	0.00	11.62	32.46							
6850	11.06	3.88	7.97	2.55	0.00	0.00	14.05	39.51							
6855	13.37	4.68	9.31	2.98	0.00	0.00	16.99	47.33							
6860	15.50	5.43	9.31	2.98	0.00	0.00	19.69	52.91							
6870	1.05	0.37	0.82	0.26	0.00	0.00	1.33	3.83							
6875	2.41	0.84	1.80	0.58	0.00	0.00	3.06	8.69							
6880	6.26	2.19	3.60	1.15	0.00	0.00	7.95	21.15							
6885	8.34	2.92	5.91	1.89	0.00	0.00	10.59	29.65							
6890	11.12	3.90	6.12	1.96	0.00	0.00	14.13	37.23							
6900	1.08	0.38	1.45	0.46	0.00	0.00	1.37	4.74							
6905	5.59	1.96	2.67	0.86	0.00	0.00	7.10	18.18							
6910	8.32	2.91	4.11	1.32	0.00	0.00	10.57	27.23							
6915	10.55	3.70	8.02	2.57	0.00	0.00	13.40	38.24							
6920	18.78	6.58	13.47	4.31	0.00	0.00	23.86	67.00							
6930	9.15	4.19	5.67	2.27	2.77	0.42	8.59	33.06	11.44	4.29	7.42	2.97	4.61	0.69	11.45
6935	15.98	6.73	9.46	3.03	5.77	0.87	12.17	54.01	19.98	6.90	12.37	3.96	9.59	1.44	16.38
6940	20.49	8.55	11.20	3.59	6.62	0.99	14.38	65.82	25.61	8.76	14.72	4.71	11.00	1.65	19.47
6945	22.82	9.51	12.48	3.99	7.28	1.09	17.34	74.51	28.53	9.75	16.33	5.22	12.10	1.81	23.35
6950	23.77	9.81	16.15	4.20	8.78	1.32	18.04	82.07	29.71	10.06	20.95	5.45	15.25	2.29	24.28
6955	25.35	10.41	16.15	4.20	8.78	1.32	19.22	85.43	31.68	10.68	20.95	5.45	15.25	2.29	25.87
6960	31.50	13.11	15.28	4.89	9.85	1.48	22.09	98.20	39.37	13.44	20.08	6.43	16.36	2.45	29.92
6965	36.25	14.93	17.02	5.45	9.85	1.48	27.50	112.48	45.32	15.31	22.26	7.12	16.36	2.45	37.02
6970	39.29	16.10	25.12	6.53	13.06	1.96	29.77	131.83	49.11	16.51	32.59	8.47	22.69	3.40	40.08
6975	41.10	16.80	25.12	6.53	13.06	1.96	31.14	135.71	51.38	17.22	32.59	8.47	22.69	3.40	41.92
6980	44.90	18.50	25.12	6.53	16.21	2.43	34.06	147.75	56.13	18.97	32.59	8.47	28.16	4.22	45.85
6985	41.08	17.15	18.67	5.98	13.36	2.00	28.83	127.07	51.35	17.58	24.54	7.85	22.19	3.33	39.04
6990	50.91	20.92	34.10	8.86	17.72	2.66	38.60	173.77	63.64	21.45	44.23	11.50	30.73	4.62	51.97
															228.19

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIRES	TIRES	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRES	TIRES	REPR	TOTAL RATE
	WEAR	RPR			WEAR	RPR			WEAR	RPR			WEAR	RPR		
7005	13.95	5.80	8.66	2.77	4.27	0.64	10.60	46.69	17.44	5.94	11.33	3.63	7.09	1.06	14.27	60.76
7010	18.25	7.64	11.03	3.53	6.15	0.92	12.81	60.33	22.82	7.83	14.50	4.64	10.21	1.53	17.35	78.88
7015	20.91	8.62	12.29	3.93	5.76	0.86	15.86	68.23	26.13	8.84	16.08	5.14	9.56	1.43	21.35	88.53
7020	22.59	9.27	17.80	4.63	7.64	1.15	17.12	80.20	28.24	9.50	23.09	6.00	13.27	1.99	23.05	105.14
7025	27.18	11.07	17.80	4.63	8.22	1.23	20.58	90.71	33.97	11.36	23.09	6.00	14.28	2.14	27.70	118.54
7035	9.56	4.32	4.73	1.89	2.41	0.36	8.94	32.21	11.95	4.42	6.18	2.47	4.01	0.60	11.92	41.55
7040	19.59	8.20	11.07	3.54	6.62	0.99	13.75	63.76	24.49	8.41	14.55	4.65	11.00	1.65	18.62	83.37
7045	23.31	9.63	18.34	4.77	8.78	1.32	17.69	83.84	29.14	9.88	23.79	6.19	15.25	2.29	23.81	110.35
7050	22.10	9.17	12.33	3.95	6.62	0.99	16.78	71.94	27.63	9.40	16.13	5.16	11.00	1.65	22.59	93.56
7060	9.80	4.42	6.62	2.65	2.41	0.36	9.16	35.42	12.25	4.52	8.66	3.46	4.01	0.60	12.22	45.72
7065	14.03	5.83	9.46	3.03	4.27	0.64	10.66	47.92	17.54	5.97	12.37	3.96	7.09	1.06	14.35	62.34
7075	20.09	8.39	11.73	3.75	6.62	0.99	15.27	66.84	25.11	8.61	15.34	4.91	11.00	1.65	20.56	87.18
7080	31.75	13.36	16.13	5.16	11.35	1.70	22.31	101.76	39.69	13.70	21.19	6.78	18.85	2.83	30.21	133.25
7085	20.78	8.57	10.34	2.69	7.66	1.15	15.76	66.95	25.97	8.79	13.41	3.49	13.30	2.00	21.22	88.18
7090	35.31	14.54	22.22	5.78	12.69	1.90	26.78	119.22	44.14	14.91	28.82	7.49	22.05	3.31	36.05	156.77
7095	41.55	17.12	25.73	6.69	15.05	2.26	31.52	139.92	51.93	17.55	33.38	8.68	26.14	3.92	42.42	184.02
7110	4.37	2.45	0.00	0.13	1.52	0.23	3.86	12.56	5.25	2.49	0.00	0.13	1.98	0.30	4.96	15.11
7115	5.54	3.25	0.00	0.13	2.72	0.41	4.94	16.99	6.65	3.30	0.00	0.13	3.56	0.53	6.35	20.52
7125	2.16	1.25	0.00	0.08	0.93	0.14	1.92	6.48	2.59	1.27	0.00	0.08	1.22	0.18	2.47	7.81
7135	7.35	3.19	5.75	1.61	0.81	0.12	6.81	25.64	9.18	3.26	7.52	2.11	1.38	0.21	9.65	33.31
7140	11.80	5.18	11.50	3.22	1.99	0.30	10.97	44.96	14.74	5.30	15.04	4.21	3.42	0.51	15.54	58.76
7150	10.98	4.71	12.67	3.55	0.45	0.07	10.15	42.58	13.72	4.81	16.57	4.64	0.74	0.11	14.39	54.98
7160	2.82	1.29	2.59	0.93	0.00	0.00	3.86	11.49	3.52	1.32	3.40	1.23	0.00	0.00	5.27	14.74
7165	0.71	0.30	0.00	0.08	0.00	0.00	0.67	1.76	0.89	0.30	0.00	0.08	0.00	0.00	0.94	2.21
7170	4.11	1.89	3.18	1.15	0.00	0.00	5.63	15.96	5.13	1.93	4.19	1.51	0.00	0.00	7.68	20.44
7175	0.85	0.35	0.00	0.08	0.00	0.00	0.79	2.07	1.06	0.36	0.00	0.08	0.00	0.00	1.12	2.62
7180	0.67	0.28	0.00	0.08	0.00	0.00	0.62	1.65	0.83	0.28	0.00	0.08	0.00	0.00	0.88	2.07
7185	6.39	2.94	4.18	1.50	0.00	0.00	8.77	23.78	7.99	3.00	5.50	1.98	0.00	0.00	11.96	30.43
7190	1.12	0.47	0.00	0.08	0.00	0.00	1.05	2.72	1.41	0.48	0.00	0.08	0.00	0.00	1.48	3.45
7195	0.89	0.37	0.00	0.08	0.00	0.00	0.83	2.17	1.11	0.38	0.00	0.08	0.00	0.00	1.17	2.74
7200	1.25	0.52	0.00	0.08	0.00	0.00	1.17	3.02	1.56	0.53	0.00	0.08	0.00	0.00	1.64	3.81
7205	8.95	4.11	5.57	2.00	0.00	0.00	12.28	32.91	11.19	4.20	7.33	2.64	0.00	0.00	16.74	42.10
7210	1.18	0.49	0.00	0.08	0.00	0.00	1.10	2.85	1.47	0.50	0.00	0.08	0.00	0.00	1.55	3.60
7215	1.32	0.55	0.00	0.08	0.00	0.00	1.23	3.18	1.65	0.56	0.00	0.08	0.00	0.00	1.73	4.02
7220	1.36	0.57	0.00	0.08	0.00	0.00	1.27	3.28	1.70	0.58	0.00	0.08	0.00	0.00	1.79	4.15
7225	12.57	5.77	7.95	2.86	0.00	0.00	17.24	46.39	15.71	5.90	10.48	3.77	0.00	0.00	23.51	59.37
7230	1.74	0.73	0.00	0.08	0.00	0.00	1.63	4.18	2.18	0.74	0.00	0.08	0.00	0.00	2.29	5.29
7235	1.91	0.80	0.00	0.08	0.00	0.00	1.79	4.58	2.39	0.82	0.00	0.08	0.00	0.00	2.51	5.80
7240	1.52	0.63	0.00	0.08	0.00	0.00	1.42	3.65	1.90	0.65	0.00	0.08	0.00	0.00	1.99	4.62
7245	1.58	0.66	0.00	0.10	0.00	0.00	1.48	3.82	1.97	0.67	0.00	0.10	0.00	0.00	2.07	4.81
7250	20.66	8.62	13.32	3.73	0.00	0.00	21.73	68.06	25.83	8.82	17.55	4.91	0.00	0.00	30.19	87.30
7255	2.56	1.07	0.00	0.12	0.00	0.00	2.39	6.14	3.20	1.09	0.00	0.12	0.00	0.00	3.36	7.77
7260	2.82	1.17	0.00	0.13	0.00	0.00	2.63	6.75	3.52	1.20	0.00	0.13	0.00	0.00	3.70	8.55
7265	2.53	1.06	0.00	0.13	0.00	0.00	2.37	6.09	3.16	1.08	0.00	0.13	0.00	0.00	3.33	7.70
7270	0.07	0.03	0.00	0.05	0.00	0.00	0.07	0.22	0.09	0.03	0.00	0.05	0.00	0.00	0.10	0.27
7275	2.04	0.85	0.00	0.15	0.00	0.00	1.91	4.95	2.55	0.87	0.00	0.15	0.00	0.00	2.68	6.25
7280	24.42	10.94	18.29	4.39	0.00	0.00	24.16	82.20	29.30	11.13	24.09	5.78	0.00	0.00	32.22	102.52
7285	3.49	1.46	0.00	0.18	0.00	0.00	3.26	8.39	4.36	1.49	0.00	0.18	0.00	0.00	4.59	10.62
7290	3.69	1.54	0.00	0.19	0.00	0.00	3.45	8.87	4.61	1.57	0.00	0.19	0.00	0.00	4.85	11.22
7295	3.07	1.28	0.00	0.16	0.00	0.00	2.87	7.38	3.84	1.31	0.00	0.16	0.00	0.00	4.04	9.35
7300	0.91	0.38	0.00	0.12	0.00	0.00	0.85	2.26	1.14	0.39	0.00	0.12	0.00	0.00	1.20	2.85
7305	0.10	0.04	0.00	0.08	0.00	0.00	0.09	0.31	0.12	0.04	0.00	0.08	0.00	0.00	0.13	0.37
7310	2.21	0.92	0.00	0.20	0.00	0.00	2.07	5.40	2.76	0.94	0.00	0.20	0.00	0.00	2.91	6.81
7315	41.04	18.39	27.84	6.68	0.00	0.00	40.62	134.57	49.25	18.71	36.67	8.80	0.00	0.00	54.16	167.59
7320	5.31	2.21	0.00	0.28	0.00	0.00	4.96	12.76	6.64	2.27	0.00	0.28	0.00	0.00	6.98	16.17

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7325	5.84	2.44	0.00	0.29	0.00	0.00	5.46	14.03	7.30	2.49	0.00	0.29	0.00	0.00	7.68	17.76
7330	0.11	0.05	0.00	0.08	0.00	0.00	0.11	0.35	0.14	0.05	0.00	0.08	0.00	0.00	0.15	0.42
7335	3.93	1.64	0.00	0.20	0.00	0.00	3.67	9.44	4.91	1.68	0.00	0.20	0.00	0.00	5.16	11.95
7345	3.48	1.60	2.51	0.90	0.00	0.00	4.78	13.27	4.35	1.63	3.30	1.19	0.00	0.00	6.51	16.98
7350	4.09	1.88	3.10	1.12	0.00	0.00	5.61	15.80	5.12	1.92	4.09	1.47	0.00	0.00	7.66	20.26
7355	4.35	2.00	3.50	1.26	0.00	0.00	5.97	17.08	5.44	2.04	4.61	1.66	0.00	0.00	8.14	21.89
7360	0.72	0.30	0.00	0.08	0.00	0.00	0.67	1.77	0.90	0.31	0.00	0.08	0.00	0.00	0.95	2.24
7365	0.72	0.30	0.00	0.05	0.00	0.00	0.67	1.74	0.90	0.31	0.00	0.05	0.00	0.00	0.95	2.21
7370	6.05	2.78	4.85	1.75	0.00	0.00	8.30	23.73	7.56	2.84	6.39	2.30	0.00	0.00	11.32	30.41
7375	0.80	0.33	0.00	0.08	0.00	0.00	0.75	1.96	1.00	0.34	0.00	0.08	0.00	0.00	1.06	2.48
7380	0.98	0.41	0.00	0.05	0.00	0.00	0.92	2.36	1.23	0.42	0.00	0.05	0.00	0.00	1.29	2.99
7385	7.89	3.62	5.97	2.15	0.00	0.00	10.82	30.45	9.86	3.70	7.86	2.83	0.00	0.00	14.75	39.00
7390	1.23	0.51	0.00	0.08	0.00	0.00	1.15	2.97	1.54	0.52	0.00	0.08	0.00	0.00	1.62	3.76
7395	1.23	0.51	0.00	0.05	0.00	0.00	1.15	2.94	1.53	0.52	0.00	0.05	0.00	0.00	1.61	3.71
7400	11.92	5.47	8.87	3.19	0.00	0.00	16.35	45.80	14.90	5.59	11.68	4.21	0.00	0.00	22.29	58.57
7405	1.31	0.55	0.00	0.08	0.00	0.00	1.22	3.16	1.63	0.56	0.00	0.08	0.00	0.00	1.72	3.99
7410	1.37	0.57	0.00	0.08	0.00	0.00	1.28	3.30	1.72	0.59	0.00	0.08	0.00	0.00	1.81	4.20
7415	1.87	0.78	0.00	0.05	0.00	0.00	1.74	4.44	2.33	0.80	0.00	0.05	0.00	0.00	2.45	5.53
7420	19.66	8.20	11.93	3.34	0.00	0.00	20.67	63.80	24.57	8.39	15.71	4.40	0.00	0.00	28.71	81.78
7425	2.60	1.08	0.00	0.12	0.00	0.00	2.43	6.23	3.25	1.11	0.00	0.12	0.00	0.00	3.41	7.89
7430	2.64	1.10	0.00	0.10	0.00	0.00	2.47	6.31	3.30	1.13	0.00	0.10	0.00	0.00	3.47	8.00
7435	25.10	11.24	18.10	4.34	0.00	0.00	24.84	83.62	30.12	11.44	23.83	5.72	0.00	0.00	33.11	104.22
7440	3.92	1.64	0.00	0.22	0.00	0.00	3.67	9.45	4.90	1.67	0.00	0.22	0.00	0.00	5.16	11.95
7445	4.02	1.68	0.00	0.25	0.00	0.00	3.76	9.71	5.03	1.72	0.00	0.25	0.00	0.00	5.29	12.29
7450	2.51	1.05	0.00	0.12	0.00	0.00	2.35	6.03	3.14	1.07	0.00	0.12	0.00	0.00	3.30	7.63
7455	33.75	15.12	20.88	5.01	0.00	0.00	33.40	108.16	40.50	15.39	27.50	6.60	0.00	0.00	44.54	134.53
7460	4.53	1.89	0.00	0.26	0.00	0.00	4.24	10.92	5.66	1.93	0.00	0.26	0.00	0.00	5.96	13.81
7465	5.19	2.16	0.00	0.25	0.00	0.00	4.85	12.45	6.48	2.21	0.00	0.25	0.00	0.00	6.82	15.76
7470	2.89	1.21	0.00	0.12	0.00	0.00	2.70	6.92	3.61	1.23	0.00	0.12	0.00	0.00	3.80	8.76
7480	3.67	1.68	2.59	0.93	0.00	0.00	5.03	13.90	4.59	1.72	3.40	1.23	0.00	0.00	6.86	17.80
7485	4.69	2.15	3.10	1.12	0.00	0.00	6.43	17.49	5.86	2.20	4.09	1.47	0.00	0.00	8.77	22.39
7490	6.82	3.13	4.37	1.57	0.00	0.00	9.35	25.24	8.52	3.20	5.76	2.07	0.00	0.00	12.75	32.30
7495	8.72	4.00	5.57	2.00	0.00	0.00	11.96	32.25	10.90	4.09	7.33	2.64	0.00	0.00	16.31	41.27
7500	1.00	0.42	0.00	0.05	0.00	0.00	0.94	2.41	1.25	0.43	0.00	0.05	0.00	0.00	1.32	3.05
7505	1.13	0.47	0.00	0.05	0.00	0.00	1.06	2.71	1.41	0.48	0.00	0.05	0.00	0.00	1.49	3.43
7510	13.52	6.21	8.35	3.01	0.00	0.00	18.55	49.64	16.90	6.34	11.00	3.96	0.00	0.00	25.29	63.49
7515	1.78	0.74	0.00	0.05	0.00	0.00	1.66	4.23	2.22	0.76	0.00	0.05	0.00	0.00	2.34	5.37
7520	1.20	0.50	0.00	0.05	0.00	0.00	1.12	2.87	1.49	0.51	0.00	0.05	0.00	0.00	1.57	3.62
7525	18.55	7.74	12.33	3.45	0.00	0.00	19.51	61.58	23.18	7.92	16.24	4.55	0.00	0.00	27.09	78.98
7530	2.18	0.91	0.00	0.10	0.00	0.00	2.04	5.23	2.73	0.93	0.00	0.10	0.00	0.00	2.87	6.63
7535	1.80	0.75	0.00	0.12	0.00	0.00	1.68	4.35	2.25	0.77	0.00	0.12	0.00	0.00	2.36	5.50
7540	0.76	0.32	0.00	0.08	0.00	0.00	0.71	1.87	0.95	0.32	0.00	0.08	0.00	0.00	1.00	2.35
7545	0.44	0.18	0.00	0.13	0.00	0.00	0.41	1.16	0.55	0.19	0.00	0.13	0.00	0.00	0.58	1.45
7550	0.07	0.03	0.00	0.08	0.00	0.00	0.06	0.24	0.08	0.03	0.00	0.08	0.00	0.00	0.09	0.28
7560	2.59	1.19	1.67	0.60	0.00	0.00	3.55	9.60	3.24	1.21	2.20	0.79	0.00	0.00	4.84	12.28
7565	3.57	1.64	2.59	0.93	0.00	0.00	4.90	13.63	4.46	1.68	3.40	1.23	0.00	0.00	6.68	17.45
7570	4.28	1.97	2.86	1.03	0.00	0.00	5.87	16.01	5.35	2.01	3.77	1.36	0.00	0.00	8.01	20.50
7575	8.20	3.77	4.37	1.57	0.00	0.00	11.25	29.16	10.25	3.85	5.76	2.07	0.00	0.00	15.34	37.27
7580	10.89	5.00	5.77	2.08	0.00	0.00	14.94	38.68	13.61	5.11	7.60	2.73	0.00	0.00	20.37	49.42
7590	2.99	1.37	2.62	0.94	0.00	0.00	4.10	12.02	3.73	1.40	3.46	1.24	0.00	0.00	5.59	15.42
7595	0.52	0.22	0.00	0.05	0.00	0.00	0.48	1.27	0.65	0.22	0.00	0.05	0.00	0.00	0.68	1.60
7600	4.48	2.06	3.58	1.29	0.00	0.00	6.15	17.56	5.60	2.10	4.71	1.70	0.00	0.00	8.39	22.50
7605	0.56	0.23	0.00	0.05	0.00	0.00	0.52	1.36	0.70	0.24	0.00	0.05	0.00	0.00	0.74	1.73
7610	6.58	3.02	4.69	1.69	0.00	0.00	9.02	25.00	8.22	3.08	6.18	2.23	0.00	0.00	12.30	32.01
7615	0.61	0.26	0.00	0.05	0.00	0.00	0.57	1.49	0.77	0.26	0.00	0.05	0.00	0.00	0.81	1.89

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRES	WEAR	RPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRES	WEAR	RPR	
7620	9.30	4.27	6.56	2.36	0.00	0.00	12.75	35.24	11.62	4.36	8.64	3.11	0.00	0.00	17.39	45.12
7625	0.80	0.33	0.00	0.05	0.00	0.00	0.75	1.93	1.00	0.34	0.00	0.05	0.00	0.00	1.05	2.44
7630	12.32	5.66	8.75	3.15	0.00	0.00	16.90	46.78	15.40	5.78	11.52	4.15	0.00	0.00	23.04	59.89
7635	1.25	0.52	0.00	0.08	0.00	0.00	1.17	3.02	1.56	0.53	0.00	0.08	0.00	0.00	1.64	3.81
7640	1.33	0.56	0.00	0.10	0.00	0.00	1.25	3.24	1.67	0.57	0.00	0.10	0.00	0.00	1.75	4.09
7645	18.09	7.54	12.73	3.56	0.00	0.00	19.02	60.94	22.61	7.72	16.76	4.69	0.00	0.00	26.42	78.20
7650	1.71	0.71	0.00	0.14	0.00	0.00	1.60	4.16	2.14	0.73	0.00	0.14	0.00	0.00	2.25	5.26
7655	1.81	0.76	0.00	0.14	0.00	0.00	1.69	4.40	2.26	0.77	0.00	0.14	0.00	0.00	2.38	5.55
7660	24.14	10.07	16.31	4.57	0.00	0.00	25.39	80.48	30.17	10.30	21.48	6.01	0.00	0.00	35.26	103.22
7665	2.33	0.97	0.00	0.20	0.00	0.00	2.18	5.68	2.91	0.99	0.00	0.20	0.00	0.00	3.06	7.16
7670	2.12	0.88	0.00	0.18	0.00	0.00	1.98	5.16	2.65	0.90	0.00	0.18	0.00	0.00	2.79	6.52
7675	37.87	16.97	24.66	5.92	0.00	0.00	37.48	122.90	45.45	17.26	32.48	7.79	0.00	0.00	49.97	152.95
7680	5.64	2.35	0.00	0.24	0.00	0.00	5.27	13.50	7.05	2.41	0.00	0.24	0.00	0.00	7.42	17.12
7685	5.30	2.21	0.00	0.21	0.00	0.00	4.96	12.68	6.63	2.26	0.00	0.21	0.00	0.00	6.97	16.07
7690	4.96	2.07	0.00	0.19	0.00	0.00	4.64	11.86	6.21	2.12	0.00	0.19	0.00	0.00	6.53	15.05
7700	11.96	5.49	8.15	2.94	0.00	0.00	16.41	44.95	14.95	5.61	10.74	3.87	0.00	0.00	22.38	57.55
7705	1.24	0.52	0.00	0.05	0.00	0.00	1.16	2.97	1.55	0.53	0.00	0.05	0.00	0.00	1.64	3.77
7710	1.39	0.58	0.00	0.05	0.00	0.00	1.30	3.32	1.74	0.59	0.00	0.05	0.00	0.00	1.83	4.21
7715	1.43	0.59	0.00	0.05	0.00	0.00	1.33	3.40	1.78	0.61	0.00	0.05	0.00	0.00	1.87	4.31
7720	14.86	6.20	10.34	2.90	0.00	0.00	15.63	49.93	18.58	6.34	13.62	3.81	0.00	0.00	21.71	64.06
7725	1.76	0.73	0.00	0.05	0.00	0.00	1.64	4.18	2.20	0.75	0.00	0.05	0.00	0.00	2.31	5.31
7730	2.31	0.96	0.00	0.05	0.00	0.00	2.16	5.48	2.88	0.98	0.00	0.05	0.00	0.00	3.03	6.94
7735	1.92	0.80	0.00	0.05	0.00	0.00	1.79	4.56	2.40	0.82	0.00	0.05	0.00	0.00	2.52	5.79
7740	19.95	8.32	13.92	3.90	0.00	0.00	20.98	67.07	24.94	8.52	18.33	5.13	0.00	0.00	29.14	86.06
7745	2.30	0.96	0.00	0.12	0.00	0.00	2.15	5.53	2.87	0.98	0.00	0.12	0.00	0.00	3.02	6.99
7750	2.52	1.05	0.00	0.13	0.00	0.00	2.35	6.05	3.15	1.07	0.00	0.13	0.00	0.00	3.31	7.66
7755	2.20	0.92	0.00	0.11	0.00	0.00	2.06	5.29	2.75	0.94	0.00	0.11	0.00	0.00	2.89	6.69
7760	0.09	0.04	0.00	0.05	0.00	0.00	0.09	0.27	0.12	0.04	0.00	0.05	0.00	0.00	0.12	0.33
7765	0.59	0.25	0.00	0.11	0.00	0.00	0.55	1.50	0.74	0.25	0.00	0.11	0.00	0.00	0.78	1.88
7775	11.88	5.35	7.74	2.17	2.46	0.37	9.08	39.05	14.85	5.47	10.18	2.85	5.16	0.77	12.29	51.57
7780	16.48	7.73	11.43	3.20	6.12	0.92	12.71	58.59	20.61	7.91	15.03	4.21	12.82	1.92	17.21	79.71
7785	24.14	11.47	16.59	4.64	7.32	1.10	18.67	83.93	30.18	11.73	21.82	6.11	15.34	2.30	25.29	112.77
7795	18.72	8.78	11.13	3.12	6.90	1.04	14.44	64.13	23.40	8.98	14.65	4.10	14.46	2.17	19.55	87.31
7800	31.48	14.85	21.08	5.90	8.92	1.34	24.31	107.88	39.35	15.19	27.74	7.77	18.68	2.80	32.92	144.45
7810	1.05	0.47	1.58	0.44	0.22	0.03	0.80	4.59	1.31	0.48	2.09	0.58	0.45	0.07	1.08	6.06
7815	1.34	0.60	2.29	0.64	0.24	0.04	1.03	6.18	1.68	0.62	3.01	0.84	0.49	0.07	1.39	8.10
7825	0.25	0.11	0.68	0.19	0.04	0.01	0.27	1.55	0.31	0.11	0.88	0.25	0.05	0.01	0.38	1.99
7830	1.05	0.45	1.35	0.38	0.05	0.01	1.15	4.44	1.31	0.46	1.76	0.49	0.07	0.01	1.60	5.70
7835	1.46	0.63	2.11	0.59	0.07	0.01	1.60	6.47	1.83	0.64	2.75	0.77	0.10	0.02	2.22	8.33
7840	2.62	1.14	2.36	0.66	0.21	0.03	2.88	9.90	3.28	1.17	3.10	0.87	0.30	0.05	4.00	12.77
7845	5.41	2.34	3.87	1.08	0.34	0.05	5.94	19.03	6.77	2.40	5.09	1.43	0.49	0.07	8.24	24.49
7860	1.80	0.77	0.88	0.25	0.07	0.01	1.97	5.75	2.25	0.79	1.16	0.33	0.10	0.02	2.73	7.38
7865	3.50	1.51	1.62	0.45	0.21	0.03	3.84	11.16	4.38	1.55	2.13	0.60	0.30	0.05	5.33	14.34
7870	3.88	1.67	2.03	0.57	0.21	0.03	4.25	12.64	4.85	1.71	2.67	0.75	0.30	0.05	5.90	16.23
7875	6.26	2.64	4.17	1.17	0.00	0.00	6.83	21.07	7.82	2.70	5.48	1.53	0.00	0.00	9.48	27.01
7880	12.34	5.20	6.45	1.81	0.00	0.00	13.46	39.26	15.42	5.32	8.49	2.38	0.00	0.00	18.69	50.30
7890	10.21	4.31	3.69	1.03	0.00	0.00	11.14	30.38	12.77	4.41	4.85	1.36	0.00	0.00	15.47	38.86
7895	14.89	6.28	5.90	1.65	0.00	0.00	16.24	44.96	18.62	6.43	7.76	2.17	0.00	0.00	22.56	57.54
7900	19.05	8.03	5.90	1.65	0.00	0.00	20.78	55.41	23.81	8.22	7.76	2.17	0.00	0.00	28.86	70.82
7910	8.20	3.46	2.47	0.69	0.00	0.00	8.94	23.76	10.25	3.54	3.25	0.91	0.00	0.00	12.42	30.37
7915	8.93	3.77	2.47	0.69	0.00	0.00	9.74	25.60	11.16	3.85	3.25	0.91	0.00	0.00	13.52	32.69
7920	9.20	3.88	2.47	0.69	0.00	0.00	10.03	26.27	11.50	3.97	3.25	0.91	0.00	0.00	13.93	33.56
7925	17.45	7.36	5.53	1.55	0.00	0.00	19.03	50.92	21.81	7.53	7.27	2.04	0.00	0.00	26.43	65.08
7930	21.65	9.13	6.45	1.81	0.00	0.00	23.61	62.65	27.06	9.34	8.49	2.38	0.00	0.00	32.79	80.06
7945	0.94	0.30	2.34	0.66	0.13	0.02	0.91	5.30	1.13	0.30	3.12	0.87	0.16	0.02	1.24	6.84

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS							TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	
7950	1.18	0.37	2.34	0.66	0.15	0.02	1.14	5.86	1.42	0.38	3.12	0.87	0.20	0.03	1.56	7.58
7955	1.03	0.33	2.34	0.66	0.17	0.03	0.99	5.55	1.23	0.33	3.12	0.87	0.21	0.03	1.36	7.15
7960	1.22	0.38	2.34	0.66	0.20	0.03	1.18	6.01	1.47	0.39	3.12	0.87	0.26	0.04	1.62	7.77
7965	1.08	0.35	2.34	0.66	0.27	0.04	1.05	5.79	1.29	0.36	3.12	0.87	0.34	0.05	1.43	7.46
7970	1.39	0.59	6.14	1.84	0.45	0.07	1.16	11.64	1.85	0.61	7.90	2.37	0.57	0.09	1.80	15.19
7975	1.98	0.82	3.79	0.99	0.45	0.07	1.65	9.75	2.64	0.85	4.93	1.28	0.57	0.09	2.56	12.92
7980	1.63	0.69	7.06	2.12	0.45	0.07	1.36	13.38	2.17	0.71	9.08	2.72	0.57	0.09	2.11	17.45
7985	2.26	0.93	3.79	0.99	0.45	0.07	1.87	10.36	3.01	0.96	4.93	1.28	0.57	0.09	2.91	13.75
7990	1.79	0.76	7.06	2.12	0.52	0.08	1.49	13.82	2.39	0.78	9.08	2.72	0.66	0.10	2.32	18.05
7995	2.24	0.97	3.79	0.99	0.89	0.13	1.89	10.90	2.99	1.01	4.93	1.28	1.14	0.17	2.93	14.45
8000	3.00	1.14	13.22	4.23	0.91	0.14	2.32	24.96	4.00	1.19	17.03	5.45	1.17	0.18	3.61	32.63
8005	4.16	1.57	6.14	1.72	1.11	0.17	3.21	18.08	5.55	1.63	7.99	2.24	1.44	0.22	5.00	24.07
8010	4.36	1.65	6.14	1.72	1.15	0.17	3.36	18.55	5.81	1.71	7.99	2.24	1.48	0.22	5.23	24.68
8015	4.10	1.56	6.14	1.72	1.15	0.17	3.17	18.01	5.46	1.62	7.99	2.24	1.48	0.22	4.93	23.94
8020	4.84	1.82	6.14	1.72	1.15	0.17	3.73	19.57	6.45	1.88	7.99	2.24	1.48	0.22	5.81	26.07
8025	6.37	2.39	8.39	2.35	1.56	0.23	4.91	26.20	8.49	2.48	10.91	3.05	2.02	0.30	7.64	34.89
8030	6.75	2.54	8.39	2.35	1.67	0.25	5.21	27.16	9.00	2.64	10.91	3.05	2.15	0.32	8.10	36.17
8035	6.38	2.41	8.39	2.35	1.67	0.25	4.92	26.37	8.50	2.50	10.91	3.05	2.15	0.32	7.66	35.09
8040	6.36	2.37	10.04	2.81	1.39	0.21	4.89	28.07	8.47	2.46	13.05	3.65	1.80	0.27	7.61	37.31
8050	0.93	0.30	2.82	0.79	0.14	0.02	0.90	5.90	1.12	0.30	3.76	1.05	0.18	0.03	1.23	7.67
8055	1.22	0.38	2.82	0.79	0.14	0.02	1.17	6.54	1.47	0.39	3.76	1.05	0.18	0.03	1.61	8.49
8060	1.35	0.42	2.82	0.79	0.16	0.02	1.30	6.86	1.62	0.43	3.76	1.05	0.21	0.03	1.78	8.88
8065	1.12	0.35	2.82	0.79	0.14	0.02	1.08	6.32	1.35	0.36	3.76	1.05	0.18	0.03	1.48	8.21
8070	1.32	0.41	2.82	0.79	0.17	0.03	1.27	6.81	1.58	0.42	3.76	1.05	0.22	0.03	1.74	8.80
8075	1.23	0.40	2.74	0.77	0.28	0.04	1.19	6.65	1.47	0.41	3.65	1.02	0.35	0.05	1.63	8.58
8080	1.27	0.55	6.42	1.93	0.45	0.07	1.06	11.75	1.69	0.56	8.26	2.48	0.57	0.09	1.65	15.30
8085	1.39	0.59	6.42	1.93	0.45	0.07	1.16	12.01	1.85	0.61	8.26	2.48	0.57	0.09	1.81	15.67
8090	2.03	0.84	3.86	1.00	0.45	0.07	1.69	9.94	2.71	0.87	5.02	1.31	0.57	0.09	2.62	13.19
8095	1.46	0.63	7.14	2.14	0.52	0.08	1.22	13.19	1.94	0.65	9.18	2.75	0.66	0.10	1.90	17.18
8100	3.04	1.26	5.26	1.37	0.65	0.10	2.52	14.20	4.06	1.30	6.84	1.78	0.83	0.12	3.93	18.86
8105	2.78	1.09	12.27	3.93	1.14	0.17	2.17	23.55	3.71	1.14	15.81	5.06	1.47	0.22	3.37	30.78
8110	3.42	1.32	7.20	2.01	1.14	0.17	2.65	17.91	4.56	1.37	9.35	2.62	1.47	0.22	4.12	23.71
8115	4.04	1.51	8.25	2.31	0.90	0.13	3.12	20.26	5.39	1.57	10.72	3.00	1.15	0.17	4.85	26.85
8120	4.51	1.70	7.37	2.06	1.14	0.17	3.48	20.43	6.02	1.76	9.58	2.68	1.47	0.22	5.42	27.15
8125	4.18	1.73	5.38	1.40	0.89	0.13	3.47	17.18	5.58	1.79	7.00	1.82	1.12	0.17	5.40	22.88
8130	5.31	1.98	10.53	2.95	1.14	0.17	4.09	26.17	7.09	2.05	13.69	3.83	1.47	0.22	6.36	34.71
8135	5.40	2.05	10.78	3.02	1.48	0.22	4.17	27.12	7.19	2.13	14.01	3.92	1.88	0.28	6.49	35.90
8140	6.33	2.39	10.78	3.02	1.64	0.25	4.89	29.30	8.43	2.48	14.01	3.92	2.09	0.31	7.60	38.84
8150	1.52	0.63	3.63	0.94	0.33	0.05	1.26	8.36	2.02	0.65	4.72	1.23	0.41	0.06	1.96	11.05
8155	1.34	0.56	5.87	1.76	0.33	0.05	1.11	11.02	1.78	0.58	7.54	2.26	0.41	0.06	1.73	14.36
8160	1.98	0.81	3.86	1.00	0.33	0.05	1.64	9.67	2.64	0.83	5.02	1.31	0.41	0.06	2.54	12.81
8165	2.48	1.02	4.21	1.10	0.45	0.07	2.05	11.38	3.31	1.05	5.48	1.42	0.57	0.09	3.19	15.11
8170	4.17	1.58	7.37	2.06	1.14	0.17	3.22	19.71	5.56	1.64	9.58	2.68	1.47	0.22	5.01	26.16
8175	5.64	2.09	8.07	2.26	1.14	0.17	4.34	23.71	7.52	2.17	10.49	2.94	1.47	0.22	6.75	31.56
8180	5.93	2.20	10.53	2.95	1.14	0.17	4.56	27.48	7.91	2.28	13.69	3.83	1.47	0.22	7.09	36.49
8185	5.76	2.14	7.37	2.06	1.14	0.17	4.43	23.07	7.59	2.22	9.58	2.68	1.47	0.22	6.90	30.76
8190	6.04	2.23	8.07	2.26	1.14	0.17	4.64	24.55	8.06	2.32	10.49	2.94	1.47	0.22	7.22	32.72
8200	6.34	2.35	10.53	2.95	1.27	0.19	4.88	28.51	8.45	2.44	13.69	3.83	1.63	0.25	7.58	37.87
8205	6.39	2.37	10.53	2.95	1.27	0.19	4.91	28.61	8.52	2.46	13.69	3.83	1.63	0.25	7.64	38.02
8210	6.90	2.55	9.48	2.65	1.27	0.19	5.30	28.34	9.20	2.64	12.32	3.45	1.63	0.25	8.25	37.74
8220	7.02	2.62	8.60	2.41	1.60	0.24	5.41	27.90	9.36	2.71	11.18	3.13	2.10	0.31	8.41	37.20
8225	6.18	2.29	10.53	2.95	1.27	0.19	4.75	28.16	8.23	2.38	13.69	3.83	1.63	0.25	7.39	37.40
8230	5.94	2.21	10.53	2.95	1.27	0.19	4.57	27.66	7.92	2.29	13.69	3.83	1.63	0.25	7.11	36.72
8235	6.66	2.46	12.28	3.44	1.27	0.19	5.12	31.42	8.88	2.56	15.97	4.47	1.63	0.25	7.97	41.73
8245	2.55	0.88	0.00	0.10	0.00	0.00	2.17	5.70								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS						TOTAL RATE	SEVERE CONDITIONS						TOTAL RATE	
	DEPR	CFC	FUEL	FOG	TIRE WEAR	RPR		DEPR	CFC	FUEL	FOG	TIRE WEAR	RPR		
8250	3.07	1.06	0.00	0.10	0.00	0.00	2.61	6.84							
8255	4.75	1.64	0.00	0.10	0.00	0.00	4.04	10.53							
8260	5.88	2.03	0.00	0.10	0.00	0.00	5.01	13.02							
8265	6.50	2.25	0.00	0.10	0.00	0.00	5.53	14.38							
8275	0.61	0.21	0.00	0.09	0.00	0.00	0.52	1.43	0.81	0.22	0.00	0.09	0.00	0.00	1.91
8280	0.96	0.33	0.00	0.09	0.00	0.00	0.82	2.20	1.28	0.35	0.00	0.09	0.00	0.00	2.97
8285	0.97	0.34	0.00	0.09	0.00	0.00	0.83	2.23	1.30	0.35	0.00	0.09	0.00	0.00	3.00
8290	0.99	0.34	0.00	0.09	0.00	0.00	0.84	2.26	1.32	0.35	0.00	0.09	0.00	0.00	3.04
8300	0.20	0.07	0.00	0.00	0.00	0.00	0.17	0.44							
8305	0.20	0.07	0.00	0.00	0.00	0.00	0.17	0.44							
8310	0.22	0.08	0.00	0.00	0.00	0.00	0.19	0.49							
8315	0.26	0.09	0.00	0.00	0.00	0.00	0.22	0.57							
8320	0.29	0.10	0.00	0.00	0.00	0.00	0.24	0.63							
8325	0.27	0.09	0.00	0.00	0.00	0.00	0.23	0.59							
8335	0.23	0.08	0.00	0.09	0.00	0.00	0.20	0.60							
8340	0.27	0.09	0.00	0.09	0.00	0.00	0.23	0.68							
8345	0.75	0.26	0.00	0.09	0.00	0.00	0.64	1.74							
8350	0.85	0.29	0.00	0.09	0.00	0.00	0.72	1.95							
8360	2.66	0.92	0.00	0.13	0.00	0.00	2.26	5.97							
8365	2.70	0.93	0.00	0.13	0.00	0.00	2.29	6.05							
8370	2.72	0.94	0.00	0.13	0.00	0.00	2.32	6.11							
8375	2.76	0.95	0.00	0.13	0.00	0.00	2.35	6.19							
8385	1.18	0.41	0.00	0.00	0.00	0.00	1.00	2.59							
8390	1.24	0.43	0.00	0.00	0.00	0.00	1.06	2.73							
8395	1.32	0.46	0.00	0.00	0.00	0.00	1.12	2.90							
8405	1.98	0.84	0.00	0.09	0.56	0.08	1.38	4.93	2.47	0.86	0.00	0.09	0.68	0.10	6.21
8410	2.39	1.00	0.00	0.09	0.56	0.08	1.66	5.78	2.98	1.02	0.00	0.09	0.68	0.10	7.29
8415	2.41	1.01	0.00	0.09	0.56	0.08	1.67	5.82	3.01	1.03	0.00	0.09	0.68	0.10	7.35
8420	2.82	1.20	0.00	0.09	0.80	0.12	1.96	6.99	3.52	1.23	0.00	0.09	0.96	0.14	8.80
8425	3.44	1.42	0.00	0.09	0.68	0.10	2.38	8.11	4.30	1.46	0.00	0.09	0.82	0.12	10.27
8430	6.93	3.02	0.00	0.09	2.39	0.36	4.84	17.63	8.66	3.09	0.00	0.09	2.88	0.43	22.21
8435	7.68	3.37	0.00	0.09	2.81	0.42	5.37	19.74	9.60	3.45	0.00	0.09	3.39	0.51	24.87
8445	2.70	1.12	0.00	0.09	0.56	0.08	1.87	6.42	3.37	1.15	0.00	0.09	0.68	0.10	8.12
8455	1.21	0.73	0.00	0.09	0.51	0.08	0.89	3.51							
8460	1.35	0.81	0.00	0.09	0.55	0.08	0.99	3.87							
8465	1.49	0.88	0.00	0.09	0.56	0.08	1.09	4.19							
8470	1.66	1.02	0.00	0.13	0.76	0.11	1.23	4.91							
8475	1.73	1.06	0.00	0.13	0.82	0.12	1.28	5.14							
8480	2.03	1.22	0.00	0.13	0.84	0.13	1.49	5.84							
8485	2.09	1.32	0.00	0.13	1.15	0.17	1.56	6.42							
8490	2.64	1.60	0.00	0.13	1.15	0.17	1.94	7.63							
8495	2.74	1.65	0.00	0.13	1.15	0.17	2.01	7.85							
8500	3.21	1.89	0.00	0.17	1.12	0.17	2.34	8.90							
8505	3.40	2.04	0.00	0.17	1.37	0.21	2.49	9.68							
8510	3.81	2.28	0.00	0.17	1.53	0.23	2.79	10.81							
8515	4.27	2.65	0.00	0.17	2.18	0.33	3.17	12.77							
8520	0.99	0.63	0.00	0.09	0.56	0.08	0.74	3.09							
8530	0.91	0.59	0.00	0.09	0.56	0.08	0.69	2.92							
8540	1.19	0.73	0.00	0.11	0.56	0.08	0.88	3.55							
8545	1.20	0.74	0.00	0.11	0.56	0.08	0.89	3.58							
8555	0.60	0.39	0.00	0.10	0.38	0.06	0.45	1.98							
8560	0.67	0.44	0.00	0.10	0.47	0.07	0.51	2.26							
8565	0.74	0.48	0.00	0.10	0.51	0.08	0.56	2.47							
8575	1.98	1.03	2.32	0.65	0.20	0.03	1.21	7.42							
8580	2.00	1.09	2.32	0.65	0.41	0.06	1.24	7.77							

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS						SEVERE CONDITIONS						TOTAL RATE		
	DEPR	CFC	FUEL	FOG	TIRES	WEAR	DEPR	CFC	FUEL	FOG	TIRES	WEAR			
					RPR	RPR				RPR	RPR	RPR			
8585	2.09	1.13	2.32	0.65	0.41	0.06	1.29	7.95							
8595	18.80	9.02	10.48	3.56	5.70	0.85	12.91	61.32	22.56	9.18	13.53	4.60	9.50	1.42 18.07	78.86
8600	26.06	12.69	15.13	5.14	9.81	1.47	17.93	88.23	31.28	12.90	19.55	6.65	16.35	2.45 25.11	114.29
8605	35.32	17.67	2D.25	6.89	13.11	1.97	24.42	119.63	42.39	17.98	26.16	8.89	21.86	3.28 34.18	154.74
8610	16.42	7.95	10.48	3.56	5.70	0.85	11.29	56.25	19.70	8.08	13.53	4.60	9.50	1.42 15.80	72.63
8615	23.88	11.94	15.13	5.14	12.37	1.86	16.51	86.83	28.66	12.15	19.55	6.65	20.62	3.09 23.11	113.83
8620	30.15	15.65	20.25	6.89	15.51	2.33	20.98	111.76	36.18	15.92	26.16	8.89	25.85	3.88 29.37	146.25
8630	15.24	7.31	5.94	2.02	3.73	0.56	10.46	45.26	18.29	7.44	7.67	2.61	6.00	0.90 14.65	57.56
8635	16.03	7.97	6.05	2.06	6.29	0.94	11.07	50.41	19.24	8.11	7.82	2.66	10.12	1.52 15.50	64.97
8640	26.19	12.94	10.48	3.56	9.66	1.45	18.06	82.34	31.42	13.17	13.53	4.60	15.53	2.33 25.29	105.87
8650	12.59	6.06	4.98	1.69	2.87	0.43	8.64	37.26	15.10	6.16	6.43	2.19	4.79	0.72 12.10	47.49
8655	20.16	9.64	10.48	3.56	5.70	0.85	13.83	64.22	24.20	9.80	13.53	4.60	9.50	1.42 19.37	82.42
8660	26.07	12.69	14.15	4.81	9.81	1.47	17.94	86.94	31.28	12.91	18.28	6.22	16.35	2.45 25.11	112.60
8665	34.13	16.95	15.04	5.11	11.76	1.76	23.57	108.32	40.96	17.25	19.43	6.60	19.60	2.94 32.99	139.77
8670	34.83	17.45	17.58	5.98	13.11	1.97	24.08	115.00	41.80	17.75	22.70	7.72	21.86	3.28 33.72	148.83
8685	11.27	5.38	5.01	1.70	3.13	0.47	7.73	34.69	13.53	5.47	6.47	2.20	5.22	0.78 10.82	44.49
8690	16.34	7.84	7.47	2.54	4.91	0.74	11.22	51.06	19.61	7.97	9.65	3.28	8.19	1.23 15.70	65.63
8695	19.51	9.69	11.48	3.90	9.34	1.40	13.47	68.79	23.42	9.85	14.82	5.04	15.57	2.33 18.86	89.89
8700	26.33	13.05	14.53	4.94	12.37	1.86	18.17	91.25	31.60	13.27	18.76	6.38	20.62	3.09 25.44	119.16
8705	38.83	19.25	19.56	6.65	13.11	1.97	26.80	126.17	46.60	19.58	25.26	8.59	21.86	3.28 37.52	162.69
8710	56.84	28.16	25.42	8.64	19.03	2.86	39.23	180.18	68.21	28.65	32.84	11.16	31.73	4.76 54.92	232.27
8720	20.01	9.56	9.78	3.32	5.70	0.85	13.73	62.95	24.01	9.73	12.63	4.29	9.50	1.42 19.22	80.80
8725	28.21	13.66	13.41	4.56	9.81	1.47	19.40	90.52	33.86	13.89	17.32	5.89	16.35	2.45 27.16	116.92
8730	29.88	14.65	14.95	5.08	12.37	1.86	20.59	99.38	35.86	14.90	19.30	6.56	20.62	3.09 28.82	129.15
8735	33.63	16.62	15.81	5.37	10.94	1.64	23.20	107.21	40.36	16.91	20.42	6.94	18.24	2.74 32.48	138.09
8740	37.31	18.56	19.04	6.47	13.11	1.97	25.77	122.23	44.77	18.89	24.60	8.36	21.86	3.28 36.07	157.83
8745	44.44	22.56	24.44	8.31	19.03	2.86	30.80	152.44	53.33	22.95	31.57	10.73	31.73	4.76 43.11	198.18
8755	8.30	4.42	5.53	1.77	1.75	0.26	6.10	28.13	9.96	4.49	7.27	2.33	2.35	0.35 7.93	34.68
8760	14.26	7.82	12.16	3.89	4.42	0.66	10.54	53.75	17.11	7.94	16.00	5.12	5.96	0.89 13.70	66.72
8765	19.77	10.92	16.59	5.31	6.58	0.99	14.64	74.80	23.72	11.09	21.82	6.98	8.86	1.33 19.03	92.83
8770	20.28	11.17	16.59	5.31	6.58	0.99	15.01	75.93	24.34	11.35	21.82	6.98	8.86	1.33 19.51	94.19
8775	24.40	13.47	20.27	6.49	8.09	1.21	18.06	91.99	29.28	13.68	26.67	8.54	10.89	1.63 23.48	114.17
8780	24.78	13.66	20.27	6.49	8.09	1.21	18.34	92.84	29.74	13.88	26.67	8.54	10.89	1.63 23.84	115.19
8790	14.28	7.83	12.16	3.89	4.42	0.66	10.55	53.79	17.13	7.95	16.00	5.12	5.96	0.89 13.72	66.77
8795	19.49	10.78	16.59	5.31	6.58	0.99	14.44	74.18	23.39	10.95	21.82	6.98	8.86	1.33 18.77	92.10
8800	19.78	10.92	16.59	5.31	6.58	0.99	14.64	74.81	23.73	11.09	21.82	6.98	8.86	1.33 19.04	92.85
8805	25.40	13.97	20.27	6.49	8.09	1.21	18.79	94.22	30.48	14.19	26.67	8.54	10.89	1.63 24.42	116.82
8810	25.81	14.17	20.27	6.49	8.09	1.21	19.09	95.13	30.98	14.40	26.67	8.54	10.89	1.63 24.81	117.92
8820	16.70	8.22	12.16	3.89	6.12	0.92	11.52	59.53	20.04	8.37	16.00	5.12	10.22	1.53 16.12	77.40
8825	24.28	12.16	16.59	5.31	9.86	1.48	16.79	86.47	29.14	12.37	21.82	6.98	15.96	2.39 23.50	112.16
8830	38.34	19.40	23.96	7.87	17.93	2.69	26.55	136.54	46.01	19.73	31.52	10.09	29.39	4.41 37.17	178.32
8840	15.76	7.80	10.21	3.27	5.99	0.90	10.88	54.81	18.92	7.93	13.43	4.30	9.91	1.49 15.23	71.21
8845	26.57	13.15	16.81	5.38	7.63	1.15	18.33	89.02	31.88	13.38	22.12	7.08	12.62	1.89 25.66	114.63
8855	17.40	8.54	12.16	3.89	6.12	0.92	11.99	61.02	20.88	8.69	16.00	5.12	10.22	1.53 16.79	79.23
8860	25.15	12.26	16.59	5.31	8.21	1.23	17.31	86.06	30.19	12.48	21.82	6.98	13.75	2.06 24.24	111.52
8870	4.41	1.19	4.94	1.38	0.04	0.01	5.90	17.87							
8875	6.69	1.81	8.69	2.43	0.04	0.01	8.95	28.62							
8885	1.01	0.50	0.00	0.01	0.00	0.00	0.61	2.13							
8890	1.17	0.59	0.00	0.01	0.00	0.00	0.71	2.48							
8895	1.37	0.68	0.00	0.01	0.00	0.00	0.83	2.89							
8905	1.75	0.92	0.60	0.15	0.20	0.03	1.08	4.73							
8910	1.99	1.04	0.60	0.15	0.20	0.03	1.22	5.23							
8915	2.22	1.15	0.60	0.15	0.20	0.03	1.36	5.71							
8920	0.22	0.08	0.94	0.28	0.00	0.00	0.12	1.64							
8930	0.26	0.10	1.17	0.35	0.00	0.00	0.14	2.02							

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS							SEVERE CONDITIONS								
	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIKE WEAR	TIKE RPR	REPR	TOTAL RATE
8940	0.40	0.17	3.60	0.86	0.02	0.00	0.39	5.44								
8945	0.42	0.18	3.60	0.86	0.02	0.00	0.41	5.49								
8950	0.46	0.20	6.00	1.44	0.02	0.00	0.45	8.57								
8955	0.58	0.25	6.37	1.53	0.02	0.00	0.58	9.33								
8965	0.55	0.24	1.23	0.30	0.02	0.00	0.54	2.88								
8970	0.58	0.25	1.73	0.42	0.02	0.00	0.58	3.58								
8975	0.64	0.29	1.73	0.42	0.05	0.01	0.64	3.78								
8980	0.70	0.31	2.92	0.70	0.05	0.01	0.69	5.38								
8990	0.23	0.09	0.47	0.14	0.00	0.00	0.12	1.05								
8995	0.23	0.09	0.94	0.28	0.00	0.00	0.12	1.66								
9005	0.10	0.04	0.89	0.27	0.00	0.00	0.05	1.35								
9010	0.13	0.05	1.12	0.34	0.00	0.00	0.07	1.71								
9015	0.36	0.14	1.40	0.42	0.00	0.00	0.19	2.51								
9020	0.63	0.24	1.97	0.59	0.00	0.00	0.33	3.76								
9030	0.05	0.02	0.89	0.27	0.00	0.00	0.02	1.25								
9035	0.16	0.06	1.12	0.34	0.00	0.00	0.08	1.76								

APPENDIX A

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APPENDIX A

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APPENDIX B

AREA FACTORS

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

Sales or Import Tax Rate:	4.50 %
Working Hours Per Year:	1,550 Hrs/Yr
Labor Adjustment Factor (LAF):	0.930
Electricity Cost Per Kilowatt-Hour:	\$ 0.078 /Kw-Hr
Gasoline Cost Per Gallon:	\$ 1.140 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	\$ 0.970 /Gal.
Diesel Cost Per Gallon (On-Road Use):	\$ 1.170 /Gal.
Freight Rates:	
over 0 thru 30,000 lbs.	\$ 5.200 /Cwt.
over 30,000 thru 40,000 lbs.	\$ 4.600 /Cwt.
over 40,000 thru 50,000 lbs.	\$ 4.400 /Cwt.
over 50,000 thru 80,000 lbs.	\$ 3.000 /Cwt.
over 80,000 thru 9999,900 lbs.	\$ 2.500 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

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

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

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GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

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

APPENDIX D
EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

TABLE LEGEND

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

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

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

1967 = 1000

CATEGORY	0	1	2	3	4	YEAR PURCHASE NEW			1978	1977	1976	1975	1974
						1981	1980	1979					
AGE IN YEARS	5	6	7	8	9	10	11	12					
Air Equipment	1785	1733	1683	1695	1668	1563	1630	1521	1354	1295	1186	1165	1028
Asphalt & Concrete Paving Equipment	2766	2685	2611	2583	2620	2461	2296	2111	1941	1815	1686	1610	1451
Buckets	4732	4639	4527	4471	4541	4313	3879	3280	2963	2738	2520	2175	1838
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3463	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522
Drills	2858	2830	2803	2836	2810	2602	2265	1993	1858	1699	1638	1559	1373
Generators	3581	3511	3400	3314	3236	3160	2817	2390	2301	2128	2053	1839	1456
Graders, Motor	3813	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604
Loaders, Track	3807	3769	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573
Loaders, Wheel	4013	3973	3944	3873	3788	3441	2938	2606	2375	2156	2002	1907	1584
Pile Driving Equipment	3698	3625	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523
Rollers	4212	4089	3926	3744	3431	3199	2913	2653	2396	2139	1983	1872	1556
Scrapers and Soil Stabilizers	3813	3738	3645	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604
Shovels, Backhoes & Hydraulic Excavators	3463	3395	3339	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522
Tractors, Crawler & Attachments	3807	3769	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573
Tractors, Wheel	3894	3818	3656	3557	3530	3256	2927	2578	2319	2125	1956	1813	1498
Trenchers	4580	4490	4431	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527
Trucks, Highway	3268	3142	3055	2934	2824	2638	2324	2108	1934	1775	1646	1524	1369
Trucks & Wagons - Off Highway	3900	3824	3786	3744	3662	3363	2964	2588	2364	2196	2081	1965	1568
All Other Equipment	3698	3625	3570	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523
All Tires & Tubes	2401	2377	2421	2453	2552	2506	2369	2055	1792	1699	1615	1485	1334

APPENDIX F

TIRE LIFE AND TIRE WEAR FACTORS

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

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

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

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TABLE F-1. Maximum Tire Life.

Bias Ply Tires:

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

Radial Ply Tires:

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

APPENDIX G

EQUIPMENT EXTRAS

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

(1) Crane, Crawler-Mounted.

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

(2) Dragline and Clamshell, Crawler-Mounted.

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

(3) Backhoe and Shovel, Crawler-Mounted.

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

(4) Truck Crane Less than 25 Ton.

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

(5) Truck Crane 25 Ton and Larger.

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

(6) Excavators, Hydraulic.

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

(7) Grader.

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

(8) Belt Loader.

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

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

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

(10) Scraper.

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

(11) Tractor, Crawler.

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

(12) Tractor, Wheel Dozer.

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

(13) Trucks, Off-Highway.

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