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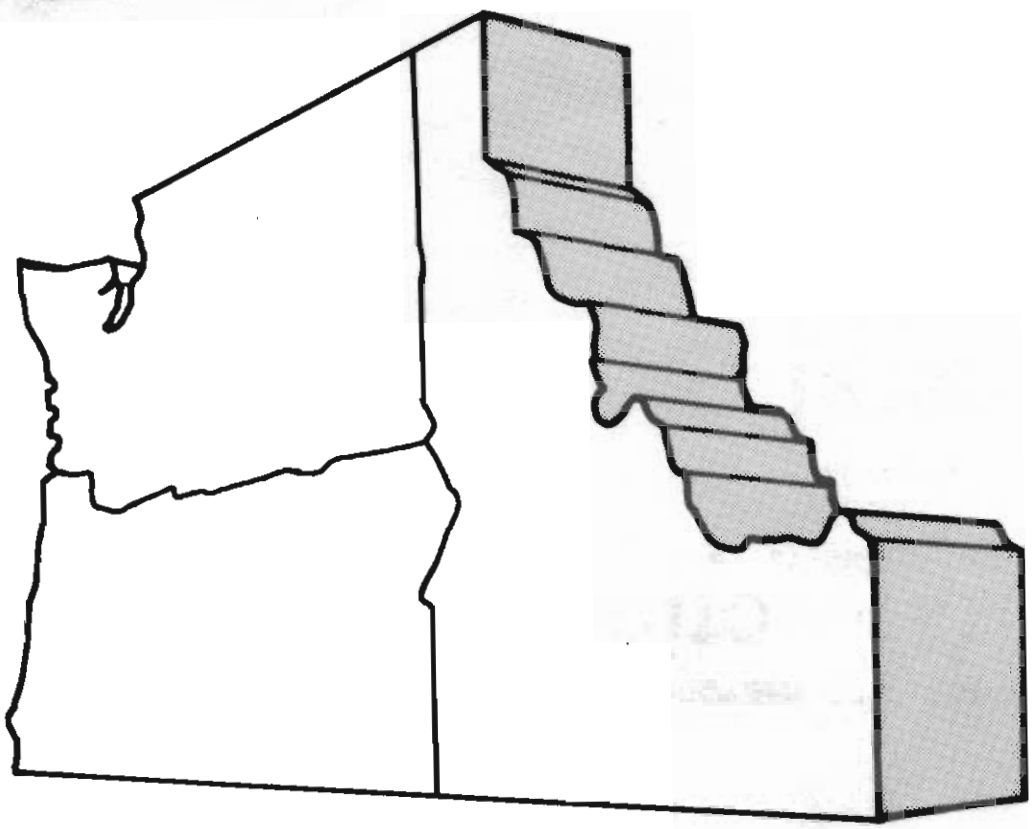
Construction Equipment Ownership and Operating Expense Schedule

Region VIII



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 1985

Engineering and Design
CONSTRUCTION EQUIPMENT OWNERSHIP
AND OPERATING EXPENSE SCHEDULE

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

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

Idaho
Oregon
Washington

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

FOR THE COMMANDER:

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

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DEPARTMENT OF THE ARMY
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CHAPTER 1

INTRODUCTION

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

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

Idaho
Oregon
Washington

1-3. References. See APPENDIX A.

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

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

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

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

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

(1) Depreciation.

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

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

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

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

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

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

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).

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

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

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

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:

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

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

(EP 1110-1-8)

"(Since this request for information is to less than ten persons, OMB approval under Section 3507, 44 USC, is not required.)

1. REQUIRED DATA

a. Unit Number 3260

(1) Equipment Description P&H Truck Crane 50 ton

(2) Model and Series 650A-TC w/ 150' Boom

(3) Year Purchased 1983 (4) Year Manufactured 1983

(5) Equipment Horsepower 135 (6) Carrier Horsepower 230

(7) Fuel Type Diesel/Diesel (8) Shipping Weight 122,200 lbs.

(9) Tire Size: Front- 14x20 18PR Drive- 14x20 18PR Trailing- —

b. Key Number from APPENDIX D 225

(1) Condition Average

(2) Salvage Value % 15 % (3) Life 18,000 Hrs.

(4) Equipment Fuel Factor .038 (5) Carrier Fuel Factor .006

(6) FOG Factor: Gas N/A Diesel .26 Electric N/A

(7) Tire Wear Factor: Front .97 Drive .78 Trailing N/A

(8) Repairs Cost Factor .60

2. EQUIPMENT COST

a. List Price Year of Manufacture (including extras) =$ 403,894.00

(1) Discount: (List Price) x *7.5% *(17.5% for Highway Trucks)

=($ 403,894) x *.075 =(-)$ 30,292.05

(2) Freight: (Shipping Weight) x (Prep. and Del. Rate)
From 1-a-(8) From APPENDIX B

=(1,222 cwt) x ($ 6.60) =(+)$ 8,065.20

b. Subtotal: Summation of Part a. (Use actual cost when available) =$ 381,667.15

(1) State Sales Tax: (Subtotal) x (Tax Rate)
From 2-b

=($ 381,667.15) x (.04) =(+)$ 15,266.69

c. Equipment Cost: Summation of Part b. (Use actual cost when available) =$ 396,933.84

ENG FORM 4737-R, Jan 83 EDITION OF MAY 81 IS OBSOLETE. (Proponents OAEN-CWE-BA and ECE-SI)

Figure 2-1. Example of Equipment Rate Computation.

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

3. LIFE (N)

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

=(18,000 Hrs) ÷ (1600 Hrs/Yr) 11.25 Yrs.

4. ECONOMIC ADJUSTMENT FACTOR (EAF)

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

=(3437) ÷ (3282) =1.047 (EAF)

5. SALVAGE VALUE FACTOR (S)

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

=(.15) x (1.047) =.157 (S)

6. OWNERSHIP COSTS

a. Depreciation:

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

=[($396,934) x [1.0 - (.157)] - ($8,211)] ÷ (18,000 Hr) = $18.13/Hr.

b. Cost of Facilities Capital (CFC):

(1) [[(Life From 3) - 1.0] x [(S From 5) + 1.0] + 2.0] ÷ [(Life From 3) x 2.0]

=[[(11.25 Yrs)-1.0] x [(.157)+1.0] + 2.0] ÷ [(11.25 Yrs)x2.0] = .616

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

=($396,934) x (.616) x (.097) ÷ (1,600 Hrs/Yr) =$14.82/Hr.

c. Total Hourly Ownership: (Sum 6-a + 6-b-(2)) =$32.95/Hr.

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Figure 2-1. (Contuined)

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

7. OPERATING COSTS

a. Fuel Costs:

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

=(.038) x (135 HP) x ($ .90 /Gal) =$ 4.62 /Hr.

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

=(.006) x (236 HP) x ($ 1.14 /Gal) =$ 1.61 /Hr.

(3) Total Fuel Costs: (Sum 7-a-(1), 7-a-(2)) =$ 6.23 /Hr.

b. FOG Costs:

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

=(.26) x ($ 4.62 /Hr) =$ 1.20 /Hr.

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

=(.26) x ($ 1.61 /Hr) =$ .42 /Hr.

(3) Total FOG Costs: (Sum 7-b-(1), 7-b-(2)) =$ 1.62 /Hr.

c. Repairs Cost:

(1) Repair Factor:

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

=(.60) x (1.047) x (1.00) = .628

(2) Hourly Repairs:

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

=[($ 396,934) - ($ 8,211)] x (.628) ÷ (18,000 Hr) =$ 13.56 /Hr.

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Figure 2-1. (Continued)

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

d. Tire Wear Costs (Current Price Levels):

(1) Front Tires: 1.5 x (Front Tires Cost) + [1.8 x (F-Tire Frm 1-b-(7)) x (Max Tire Life Frm Tbl F-1)]

=1.5x($ 2,776)+ [1.8x(.97)x(5000 Hr)] =$ .48 /Hr.

(2) Drive Tires: 1.5 x (Drive Tires Cost) + [1.8 x (D-Tire Frm 1-b-(7)) x (Max Tire Life Frm Tbl F-1)]

=1.5x($ 5,552)+ [1.8x(.78)x(5000 Hr)] =$ 1.19 /Hr.

(3) Trailing Tires: 1.5x(Trlg Tires Cost) + [1.8x(T-Tire Frm 1-b-(7)) x (Max Tire Life Frm Tbl F-1)]

=1.5x($ —)+ [1.8x( )x(Hr)] =$ — /Hr.

(4) Total Tire Wear Cost: (Sum 7-d-(1) thru (3)) =$ 1.67 /Hr.

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

=($ 1.67) x 0.15 =$ .25 /Hr.

f. Total Operating Costs: (Sum 7-a thru 7-e) =$ 23.33 /Hr.

8. TOTAL HOURLY RATES

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

(Ownership Costs Frm 6-c) + (Operating Costs Frm 7-f)

=($ 32.95 /Hr) + ($ 23.33 /Hr) =$ 56.28 /Hr.

b. Hourly Rate for Other Work Shifts:

(Depreciation From 6-a) + [(CPC Frm 6-b-(2)) x 40 ÷ (Work Hrs Per Week)] + (Operating Costs Frm 7-f)

=($ 18.13 /Hr) + [($ 14.82 /Hr)x40÷(60 Hr/Wk)] + ($ 23.33 /Hr) =$ 51.34 /Hr.

c. Hourly Standby Rate:

(Depreciation From 6-a) x 0.25 + (CPC Frm 6-b-(2))

=($ 18.13 /Hr) x 0.25 + ($ 14.82 /Hr) =$ 19.35 /Hr.

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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.

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

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

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

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

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

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

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

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

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

CHAPTER 3

RATE SCHEDULE

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

3-2. Hourly Equipment Ownership and Operating Expense.

a. Description.

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

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

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

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

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

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

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

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

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

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

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

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

TABLE 3-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

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UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	AGGREGATE SPREADER **********									
	ETNYRE - SELF-PROPELLED									
1010	SPREAD TO 8" DEPTH & 10' WIDE 184 HP G	56,724	24.33		3.39	6.69	10.79			155
1015	SPREAD TO 8" DEPTH & 13' WIDE 140 HP D	63,314	16.91		3.79	7.49	3.78			160
	AIR COMPRESSORS, PORTABLE ********** (HOSE NOT INCLUDED)									
	ROTARY SCREW									
1030	SIZE 100 CFM QUIET 100 PSI 50 HP G	11,245	7.12		0.68	1.29	3.79			20
1035	SIZE 100 CFM QUIET 100 PSI 33 HP D	13,506	4.00		0.81	1.55	1.13			26
1040	SIZE 125 CFM QUIET 100 PSI 70 HP G	13,759	9.61		0.83	1.58	5.31			24
1045	SIZE 125 CFM QUIET 100 PSI 51 HP D	14,638	4.99		0.88	1.68	1.74			26
1050	SIZE 175 CFM QUIET 100 PSI 70 HP G	15,015	9.85		0.91	1.73	5.31			26
1055	SIZE 175 CFM QUIET 100 PSI 54 HP D	17,025	5.59		1.02	1.96	1.85			28
1060	SIZE 185 CFM QUIET 100 PSI 70 HP G	15,503	9.94		0.93	1.78	5.31			27
1065	SIZE 185 CFM QUIET 100 PSI 69 HP D	18,266	6.47		1.10	2.10	2.36			29
1070	SIZE 250 CFM QUIET 100 PSI 88 HP D	27,312	9.01		1.64	3.14	3.01			55
1075	SIZE 375 CFM QUIET 100 PSI 122 HP D	33,942	11.78		2.03	3.86	4.17			79
1080	SIZE 450 CFM QUIET 100 PSI 152 HP D	43,884	14.98		2.64	5.02	5.20			89
1085	SIZE 600 CFM QUIET 100 PSI 188 HP D	52,617	18.19		3.15	6.01	6.43			97
1090	SIZE 750 CFM QUIET 100 PSI 228 HP D	61,140	21.56		3.67	7.00	7.80			128
1095	SIZE 825 CFM QUIET 100 PSI 260 HP D	69,443	24.52		4.16	7.95	8.89			130
1100	SIZE 900 CFM QUIET 100 PSI 270 HP D	76,136	26.23		4.57	8.73	9.23			148
1105	SIZE 1000 CFM QUIET 100 PSI 294 HP D	85,274	29.00		5.13	9.79	10.05			186
1110	SIZE 1200 CFM QUIET 100 PSI 400 HP D	101,786	36.76		6.12	11.70	13.68			196
1115	SIZE 1600 CFM QUIET 100 PSI 456 HP D	115,034	41.74		6.91	13.21	15.60			216

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	AIR EQUIPMENT ********** (HOSE NOT INCLUDED)									
	CLEMCO - SANDBLASTERS									
1130	SCW-1042P SANDBLASTER 1/2" HOSE 101CFM A CAP. 100 LBS. W/ACC. AND 25' HOSE	1,515	1.02		0.15	0.37	0.00			3
1135	SCW-1440P SANDBLASTER 1" HOSE 101CFM A CAP. 150 LBS W/ACC. AND 50' HOSE	2,756	1.81		0.27	0.67	0.00			5
1140	SCWB-1648P SANDBLASTER 1" HOSE 101CFM A CAP. 300 LBS. W/ACC. AND 50' HOSE	2,782	1.83		0.27	0.68	0.00			6
1145	SCWB-2452HPSANDBLASTER 1-1/4" HOS 216CFM A CAP. 600 LBS. W/ACC. AND 50' HOSE	3,060	2.08		0.29	0.75	0.00			7
1150	SCH-3079 SANDBLASTER 1-1/4" PIPE 216CFM A CAP. 1400 LBS W/HOPPER & 50' HOSE	4,134	2.76		0.40	1.01	0.00			9
1155	MOD 60-H SANDBLASTER 1-1/4" PIPE 450CFM A CAP. 3-TONS W/2 NOZZ. & 50' HOSE	12,036	7.81		1.14	2.87	0.00			28
1160	MOD 120-H SANDBLASTER 1-1/4" PIPE 700CFM A CAP. 6-TONS W/3 NOZZ. & 50' HOSE	14,877	9.59		1.39	3.47	0.00			45
1165	MOD 160-H SANDBLASTER 1-1/4" PIPE 900CFM A CAP. 8-TONS W/4 NOZZ. & 50' HOSE	18,131	11.77		1.70	4.27	0.00			53
	GARDNER DENVER - TOOLS									
1175	SPADER SP27E 32CFM A	913	0.64		0.09	0.22	0.00			1
1180	SINKER DRILL S58 98CFM A	1,993	1.37		0.19	0.48	0.00			1
1185	PAVING BREAKER B37 41CFM A	937	0.66		0.09	0.23	0.00			1
1190	PAVING BREAKER B67C 46CFM A	1,003	0.70		0.10	0.25	0.00			1
1195	PAVING BREAKER B87C 50CFM A	1,091	0.76		0.11	0.27	0.00			1
1200	FEED LEG DRILL S83F-54" TRAVEL 103CFM A RETRACTABLE FL-7	3,657	2.45		0.35	0.89	0.00			1
	MASTER - CONCRETE VIBRATORS									
1210	CONCRETE VIBR. MOD A-600SH 6" 125CFM A	1,966	1.91		0.19	0.48	0.00			1
1215	CONCRETE VIBR. MOD A-450SH 4.5" 110CFM A	1,267	1.27		0.12	0.31	0.00			1
1220	CONCRETE VIBR. MOD A-35010 3.5" 82CFM A	1,138	1.12		0.11	0.28	0.00			1
1225	CONCRETE VIBR. MOD A-30010 3" 64CFM A	1,027	1.00		0.10	0.25	0.00			1
1230	CONCRETE VIBR. MOD A-25010 2.5" 40CFM A	807	0.79		0.08	0.20	0.00			1

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ASPHALT DISTRIBUTOR - ROSCO ********** (NO CHASSIS)									
1240	MOD RES 1000 GAL. TRUCK MOUNTED 45 HP G 18,000 TO 24,000 GVW REQUIRED	27,932	10.31		1.69	3.35	3.42			72
1245	MOD RES 1500 GAL. TRUCK MOUNTED 45 HP G 24,000 TO 32,000 GVW REQUIRED	28,604	10.45		1.73	3.43	3.42			75
1250	MOD RES 2000 GAL. TRUCK MOUNTED 45 HP G 32,000 GVW REQUIRED	30,645	10.86		1.85	3.67	3.42			87
1255	MOD RES 3000 GAL. TRUCK MOUNTED 45 HP G 42,000 GVW REQUIRED	34,459	11.66		2.08	4.13	3.42			109
	ASPHALT FINISHERS ********** SPW=STANDARD PAVING WIDTH									
	BARBER-GREENE									
1265	MOD SB111 8' SPW (PNEUMATIC) 70 HP D	90,513	22.41		5.42	10.71	2.39			165
1270	MOD SB131 10' SPW (PNEUMATIC) 95 HP D W/VIB SCREED, AUTO. FEEDERS AND GR CONTROL	143,640	34.95		8.57	16.87	3.25			258
1275	MOD SB140 10' SPW (PNEUMATIC) 130 HP D OPTIONS SAME AS MOD SB131	159,441	39.86		9.52	18.77	4.45			325
1280	MOD SA150 10' SPW (CRAWLER) 130 HP D OPTIONS SAME AS MOD SB131	189,766	46.03		11.44	22.74	4.45			375
	BLAW-KNOX									
1290	MOD PF-22 5'SPW (PNEUMATIC) 22 HP D	46,716	11.00		2.78	5.46	0.75			95
1295	MOD PF-35 6'SPW (PNEUMATIC) 56 HP D	73,223	18.13		4.38	8.64	1.92			104
1300	MOD PF-115 8'SPW (PNEUMATIC) 58 HP D	101,809	24.32		6.08	12.00	1.98			180
1305	MOD PF-120H 8'SPW (PNEUMATIC) 87 HP D	126,974	31.06		7.57	14.87	2.98			240
1310	MOD PF-180H 10'SPW (PNEUMATIC) 88 HP D	148,666	35.77		8.86	17.41	3.01			277

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ASPHALT KETTLES - ROSCO **********									
1335	MOD KB 110 GAL. TRAILER MOUNTED	3,801	1.91		0.25	0.52	0.00			13
1340	MOD KD 225 GAL. TRAILER MOUNTED	4,422	2.17		0.29	0.61	0.00			16
	ASPHALT RECYCLER - BOMAG **********									
1350	MOD AR-6 TRAILER MOUNTED 8 HP G	10,353	4.89		0.68	1.44	0.61			21
	BROOMS - M-B **********									
1360	MOD 53T HYD 7 FT. TOWED MECH DRIVE W/SPRINKLER	6,546	1.49		0.39	0.75	0.00			24
1365	MOD 53-M 7 FT. TOWED 21 HP G MOTOR DRIVEN W/SPRINKLER	8,473	3.66		0.51	0.97	1.59			30
1370	MOD MT 7 FT. TRACTOR MOUNTED PTO DRIVE W/SPRINKLER	2,866	0.75		0.17	0.33	0.00			10
1375	MOD HT 7 FT. TRACTOR MOUNTED HYD DRIVE W/SPRINKLER	4,434	1.01		0.27	0.52	0.00			14
	BRUSH CHIPPERS - FMC **********									
1385	MOD C-16S SKID-MTD 16" DIA.LOG 150 HP G	11,849	13.00		0.72	1.42	7.93			41
1390	MOD C-16T TRAILER-MTD 16" DIA.LOG 150 HP G	12,968	13.24		0.77	1.53	7.93			45
	BUCKETS, CLAMSHELL **********									
	ESCO - MODEL GPS GENERAL PURPOSE & SQUARE NOSE									
1400	.75 C.Y.	10,351	2.03	2.57	0.62	1.28	0.00	1.51	0.00	37
1405	1.0 C.Y.	11,148	2.18	2.78	0.68	1.38	0.00	1.63	0.00	41
1410	1.5 C.Y.	16,159	3.16	4.02	0.97	2.00	0.00	2.36	0.00	61
1415	2.0 C.Y.	18,964	3.71	4.71	1.14	2.34	0.00	2.76	0.00	69
1420	2.5 C.Y.	24,461	4.79	6.09	1.48	3.03	0.00	3.57	0.00	88
1425	3.0 C.Y.	26,041	5.09	6.47	1.57	3.22	0.00	3.79	0.00	94
1430	3.5 C.Y.	28,335	5.55	7.05	1.71	3.51	0.00	4.14	0.00	105

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

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

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	BUCKETS, CLAMSHELL (CONT'D) **********									
	ESCO - MODEL XDS EXTRA HEAVY DUTY & SQUARE NOSE									
1560	.75 C.Y.	15,601	3.05	3.88	0.94	1.93	0.00	2.28	0.00	50
1565	1.0 C.Y.	15,954	3.12	3.97	0.96	1.97	0.00	2.33	0.00	55
1570	1.5 C.Y.	23,056	4.51	5.73	1.39	2.85	0.00	3.36	0.00	81
1575	2.0 C.Y.	28,407	5.55	7.06	1.71	3.51	0.00	4.14	0.00	99
1580	2.5 C.Y.	32,009	6.26	7.95	1.93	3.96	0.00	4.66	0.00	115
1585	3.0 C.Y.	34,922	6.83	8.68	2.11	4.32	0.00	5.09	0.00	127
1590	3.5 C.Y.	37,730	7.38	9.38	2.27	4.66	0.00	5.50	0.00	141
1595	4.0 C.Y.	40,181	7.86	9.99	2.42	4.97	0.00	5.86	0.00	150
1600	4.5 C.Y.	41,921	8.21	10.42	2.53	5.19	0.00	6.11	0.00	160
1605	5.0 C.Y.	45,580	8.91	11.34	2.74	5.63	0.00	6.65	0.00	173
1610	5.5 C.Y.	48,479	9.49	12.06	2.93	6.00	0.00	7.07	0.00	185
1615	6.0 C.Y.	51,141	10.01	12.72	3.08	6.33	0.00	7.46	0.00	195
1620	6.5 C.Y.	54,075	10.57	13.45	3.25	6.68	0.00	7.89	0.00	208
1625	7.0 C.Y.	56,245	11.01	13.99	3.39	6.96	0.00	8.21	0.00	218
1630	7.5 C.Y.	59,106	11.56	14.70	3.56	7.31	0.00	8.62	0.00	229
	BUCKETS, CONCRETE - GAR-BRO **********									
	GENERAL PURPOSE & MANUAL									
1640	433-G 1.0 C.Y.	1,563	0.29		0.09	0.18	0.00			6
1645	442-G 1.5 C.Y.	1,958	0.38		0.12	0.24	0.00			8
1650	462-G 2.0 C.Y.	2,538	0.48		0.15	0.30	0.00			11
1655	493-G 3.0 C.Y.	3,608	0.70		0.22	0.44	0.00			19
1660	4123-G 4.0 C.Y.	4,519	0.87		0.27	0.54	0.00			23

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	BUCKETS, CONCRETE - GAR-BRO (CONT'D) **********									
	LOW SLUMP - AIR OPERATED GATE									
1670	440-A 1.0 C.Y.	6,442	1.23		0.39	0.77	0.00			19
1675	450-A 1.5 C.Y.	6,705	1.28		0.40	0.80	0.00			21
1680	460-A 2.0 C.Y.	6,974	1.33		0.42	0.83	0.00			23
1685	493-A 3.0 C.Y.	9,242	1.77		0.55	1.10	0.00			42
1690	4139-A 4.0 C.Y.	9,677	1.86		0.58	1.16	0.00			52
1695	4200-A 6.0 C.Y. DBL. COMPT.	13,955	2.67		0.84	1.67	0.00			72
1700	4250-A 8.0 C.Y. DBL. COMPT.	16,650	3.19		1.00	1.99	0.00			80
	LAYDOWN - HEAVY DUTY - AIR GATE									
1710	425-A 1.0 C.Y.	7,316	1.41		0.45	0.88	0.00			26
1715	465-A 2.0 C.Y.	8,185	1.57		0.49	0.98	0.00			31
1720	495-A 3.0 C.Y.	9,517	1.83		0.57	1.14	0.00			40
1725	4125-A 4.0 C.Y.	10,626	2.03		0.64	1.27	0.00			49
1730	4155-A 5.0 C.Y.	12,465	2.39		0.75	1.49	0.00			60
	BUCKETS, DRAGLINE **********									
	HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED									
1745	.75 C.Y.	3,489	0.69	0.87	0.22	0.44	0.00	0.51	0.00	15
1750	1.0 C.Y.	4,141	0.81	1.04	0.25	0.51	0.00	0.61	0.00	18
1755	1.5 C.Y.	5,089	1.00	1.26	0.31	0.63	0.00	0.74	0.00	26
1760	2.0 C.Y.	6,020	1.18	1.50	0.37	0.75	0.00	0.88	0.00	32
1765	2.5 C.Y.	7,067	1.39	1.76	0.43	0.88	0.00	1.03	0.00	37
1770	3.0 C.Y.	8,718	1.71	2.17	0.53	1.08	0.00	1.27	0.00	46
1775	3.5 C.Y.	9,633	1.88	2.40	0.58	1.19	0.00	1.41	0.00	50
1780	4.0 C.Y.	11,769	2.31	2.92	0.71	1.46	0.00	1.71	0.00	65
1785	4.5 C.Y.	12,494	2.45	3.10	0.76	1.55	0.00	1.82	0.00	69
1790	5.0 C.Y.	15,098	2.96	3.76	0.91	1.87	0.00	2.21	0.00	85

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	BUCKETS, DRAGLINE (CONT'D) **********									
	HENDRIX - MODEL LS LIGHT WEIGHT & PERFORATED (CONT'D)									
1795	6.0 C.Y.	16,347	3.20	4.07	0.99	2.02	0.00	2.39	0.00	90
1800	7.0 C.Y.	17,894	3.50	4.45	1.08	2.21	0.00	2.61	0.00	101
1805	8.0 C.Y.	19,837	3.89	4.94	1.20	2.46	0.00	2.90	0.00	112
1810	9.0 C.Y.	22,901	4.49	5.70	1.39	2.84	0.00	3.34	0.00	128
1815	10.0 C.Y.	24,889	4.86	6.19	1.50	3.07	0.00	3.63	0.00	139
1820	12.0 C.Y.	30,555	5.97	7.60	1.84	3.77	0.00	4.46	0.00	166
1825	14.0 C.Y.	35,134	6.87	8.73	2.11	4.34	0.00	5.12	0.00	191
	HENDRIX - MODEL TS, MEDIUM WEIGHT									
1835	.75 C.Y.	4,063	0.79	1.01	0.25	0.50	0.00	0.59	0.00	17
1840	1.0 C.Y.	4,981	0.97	1.24	0.30	0.61	0.00	0.73	0.00	19
1845	1.5 C.Y.	6,176	1.20	1.54	0.37	0.76	0.00	0.90	0.00	28
1850	2.0 C.Y.	7,385	1.44	1.84	0.45	0.91	0.00	1.08	0.00	36
1855	2.5 C.Y.	8,510	1.66	2.12	0.51	1.05	0.00	1.24	0.00	41
1860	3.0 C.Y.	10,175	1.99	2.54	0.62	1.26	0.00	1.49	0.00	49
1865	3.5 C.Y.	11,236	2.20	2.80	0.68	1.39	0.00	1.64	0.00	54
1870	4.0 C.Y.	13,529	2.64	3.36	0.82	1.67	0.00	1.97	0.00	70
1875	4.5 C.Y.	14,446	2.82	3.60	0.87	1.78	0.00	2.11	0.00	72
1880	5.0 C.Y.	18,522	3.62	4.60	1.11	2.29	0.00	2.70	0.00	93
1885	6.0 C.Y.	19,141	3.75	4.76	1.16	2.37	0.00	2.79	0.00	96
1890	7.0 C.Y.	21,859	4.27	5.44	1.31	2.70	0.00	3.19	0.00	111
1895	8.0 C.Y.	24,064	4.71	5.98	1.45	2.98	0.00	3.51	0.00	122
1900	9.0 C.Y.	28,829	5.65	7.17	1.74	3.57	0.00	4.21	0.00	149
1905	10.0 C.Y.	30,704	6.01	7.64	1.85	3.80	0.00	4.48	0.00	159
1910	12.0 C.Y.	39,128	7.66	9.73	2.36	4.84	0.00	5.71	0.00	202
1915	14.0 C.Y.	43,570	8.52	10.84	2.62	5.38	0.00	6.36	0.00	225

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	BUCKETS, DRAGLINE (CONT'D) **********									
	HENDRIX - MODEL MH-S, HEAVY WEIGHT									
1925	2.75 C.Y.	16,247	3.18	4.04	0.98	2.01	0.00	2.37	0.00	69
1930	3.0 C.Y.	16,899	3.31	4.21	1.02	2.09	0.00	2.47	0.00	72
1935	3.5 C.Y.	18,924	3.70	4.71	1.14	2.34	0.00	2.76	0.00	81
1940	4.0 C.Y.	25,325	4.95	6.30	1.53	3.13	0.00	3.70	0.00	110
1945	4.5 C.Y.	28,313	5.54	7.04	1.71	3.50	0.00	4.13	0.00	123
1950	5.0 C.Y.	29,237	5.71	7.27	1.76	3.61	0.00	4.26	0.00	127
1955	6.0 C.Y.	31,310	6.12	7.79	1.88	3.87	0.00	4.57	0.00	136
1960	7.0 C.Y.	39,823	7.80	9.91	2.40	4.93	0.00	5.81	0.00	175
1965	8.0 C.Y.	40,957	8.01	10.18	2.47	5.06	0.00	5.97	0.00	180
1970	9.0 C.Y.	52,125	10.20	12.96	3.14	6.45	0.00	7.60	0.00	234
1975	10.0 C.Y.	53,878	10.55	13.40	3.25	6.67	0.00	7.86	0.00	243
1980	12.0 C.Y.	64,079	12.53	15.93	3.86	7.92	0.00	9.34	0.00	289
1985	14.0 C.Y.	67,730	13.26	16.85	4.08	8.38	0.00	9.88	0.00	309
	SAUERMAN - CRESCENT SCRAPER									
	WITH DRAGLINE CONVERSION KIT									
1995	SC-1050-K 1.0 C.Y.	9,643	1.89	2.40	0.59	1.20	0.00	1.41	0.00	15
2000	SC-1060-K 1.5 C.Y.	12,356	2.41	3.08	0.74	1.52	0.00	1.81	0.00	20
2005	SC-1070-K 2.0 C.Y.	16,919	3.31	4.21	1.02	2.09	0.00	2.47	0.00	25
2010	SC-1090-K 3.0 C.Y.	22,401	4.38	5.57	1.35	2.77	0.00	3.27	0.00	36
2015	SC-1100-K 4.0 C.Y.	33,450	6.55	8.32	2.02	4.14	0.00	4.88	0.00	49
2020	SC-1110-K 5.0 C.Y.	38,156	7.47	9.48	2.30	4.72	0.00	5.56	0.00	58
2025	SC-1120-K 6.0 C.Y.	46,229	9.05	11.49	2.79	5.72	0.00	6.74	0.00	68
2030	SC-1130-K 8.0 C.Y.	56,205	11.00	13.97	3.39	6.95	0.00	8.19	0.00	88
2035	SC-1140-K 10.0 C.Y.	68,188	13.35	16.96	4.11	8.44	0.00	9.95	0.00	106
2040	SC-1150-K 12.0 C.Y.	79,174	15.49	19.69	4.77	9.79	0.00	11.55	0.00	132

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	COMPACTORS, MANUALLY OPERATED **********												
2050	UR-12	INGERSOLL-RAND RAMMER	3 HP	G	1,682	1.03		0.13	0.29	0.31			1
2055	GVR75Y	WACKER RAMMER	3 HP	G	1,326	0.90		0.10	0.23	0.31			1
2060	GVR100	WACKER RAMMER	5 HP	G	1,796	1.35		0.14	0.32	0.52			1
2065	GVR151Y	WACKER RAMMER	5 HP	G	2,330	1.55		0.18	0.41	0.52			2
2070	GVR220Y	WACKER RAMMER	6 HP	G	3,006	1.94		0.23	0.53	0.63			2
2075	VPG160B	WACKER VIBRO PLATE	3 HP	G	1,173	0.84		0.09	0.20	0.31			2
2080	VPG260K	WACKER VIBRO PLATE	7 HP	G	1,835	1.61		0.14	0.32	0.73			3
2085	BT-50	BOMAG TAMPING	4 HP	G	1,746	1.20		0.14	0.31	0.42			1
2090	BT-70	BOMAG TAMPING	4 HP	G	2,182	1.36		0.16	0.38	0.42			2
2095	BP-11K	BOMAG VIBRO PLATE	4 HP	G	1,508	1.10		0.11	0.26	0.42			3
2100	BP-19/75	BOMAG VIBRO PLATE	5 HP	D	3,112	1.49		0.23	0.54	0.24			4
2105	BP-30	BOMAG VIBRO PLATE	5 HP	D	5,326	2.34		0.41	0.93	0.24			5
2110	BP-50	BOMAG VIBRO PLATE	5 HP	D	9,307	3.88		0.71	1.63	0.24			9
2115	BW-75E	BOMAG WALK BEHIND S/D	5 HP	D	7,219	3.07		0.55	1.26	0.24			10
2120	BW-35	BOMAG WALK BEHIND D/D	4 HP	D	8,955	3.68		0.69	1.57	0.19			11
2125	BW-60SE	BOMAG D/D ROLLER	8 HP	D	12,441	5.25		0.95	2.18	0.38			20
2130	BW-90SE	BOMAG D/D ROLLER	13 HP	D	15,462	6.71		1.18	2.71	0.62			30
2135	VPG600	WACKER VIBRO PLATE	9 HP	G	3,460	2.50		0.27	0.61	0.94			7
2140	DPS2350	WACKER VIBRO PLATE	7 HP	D	3,633	1.81		0.28	0.64	0.33			4
2145	DPS4570	WACKER VIBRO PLATE	10 HP	D	5,843	2.83		0.44	1.02	0.48			8
2150	DVU4001	WACKER VIBRO PLATE	10 HP	D	11,934	5.17		0.90	2.08	0.48			13
2155	W 55 T	WACKER D/D ROLLER	8 HP	D	11,513	4.90		0.88	2.02	0.38			17
2160	W 74 T	WACKER D/D ROLLER	8 HP	D	12,989	5.46		0.99	2.27	0.38			19
	CONCRETE BUGGIES - AEROIL **********												
2170	5 CF	WALK-BEHIND	5 HP	G	1,757	1.08		0.14	0.30	0.41			3

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

UNIT NO.	EQUIPMENT		VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CONCRETE FINISHERS - BOMAG **********										
2180	MOD F46B4 GYRO TROWEL	7 HP G	1,443	1.19		0.11	0.24	0.57			2
2185	MOD RF2B4 DOUBLTROWEL	16 HP G	5,689	3.47		0.43	0.95	1.31			7
2190	MOD RF3B3 TRIPLTROWEL	16 HP G	7,335	3.97		0.55	1.23	1.31			9
	CONCRETE MIXERS **********										
2200	PORTABLE CONCRETE MIXER 2.5 CF	1 HP E	676	0.24		0.05	0.10	0.03			2
2205	PORTABLE CONCRETE MIXER 3.5 CF	1 HP E	701	0.24		0.05	0.10	0.03			3
2210	PORTABLE CONCRETE MIXER 6.0 CF	7 HP G	2,088	1.37		0.15	0.33	0.57			7
2215	PORTABLE MORTAR MIXER 6.0 CF	7 HP G	1,676	1.25		0.12	0.26	0.57			6
	CONCRETE PAVERS **********										
	CMI										
2225	MOD SF - 175 SLIPFORM PAVER CURBS, MEDIANS, AND SIDEWALKS	142 HP D	131,178	34.10		7.90	15.71	4.86			263
2230	MOD SF - 250 26' WIDE SLIPFORM UNIT, 0-80 FT/MIN, CRAWLER MTD.	208 HP D	231,407	58.28		13.94	27.72	7.11			470
2235	MOD SUBURBAN 25' WIDE SLIPFORM UNIT, 0-60 FT/MIN, CRAWLER MTD.	250 HP D	407,483	97.56		24.56	48.82	8.55			720
	GOMACO										
2245	MOD C-650 24' WIDE FORM PAVER W/4' FINISHING CYLINDERS	65 HP G	27,041	12.27		1.62	3.22	4.93			91
2250	MOD HW-165 16'-6" WIDE SLIPFORM UNIT, AUTO VIBRATORS, CRLR MTD	100 HP D	119,517	29.79		7.20	14.32	3.42			240
	CONCRETE PLACERS, SHOTCRETE **********										
	ALLENTOWN										
2260	R450 PNEUM. GUN N-1 3-4 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 365 CFM COMP.	12 HP D	24,983	7.18		1.64	3.46	0.60			45
2265	R900 PNEUM. GUN N-2 6-10 CY/HR INCL. TRAILER, HOSE, HOPPER, AND FEEDER. REQ 600 CFM COMP.	20 HP D	28,371	8.59		1.87	3.96	1.01			60

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CONCRETE PLACERS, SHOTCRETE (CONT'D) **********									
	ALLENTOWN (CONT'D)									
2270	GR600 ROTARY GUN 1-6 CY/HR 550CFM A INCL. HOSE,REQ. 550 CFM COMP.	8,195	2.30		0.54	1.13	0.00			9
2275	GR1200 ROTARY GUN 4-12 CY/HR 770CFM A INCL. HOSE,REQ. 770 CFM COMP.	16,163	4.47		1.07	2.25	0.00			18
	CHALLENGE SQUEEZ-CRETE									
2285	250-D FOR WET SHOTCRETE 25 CY/HR 62 HP D TRAILER MOUNTED INCL. HOSE	44,020	15.31		2.91	6.17	3.12			70
	CONCRETE PUMPS **********									
	MORGEN									
2295	MOD 204-305 TRAILER MTD 60 CY/HR 100 HP D	56,729	21.03		3.75	7.95	5.04			70
2300	MOD 203-420 BOOM 72'-VT 120 CY/HR 210 HP D INCLUDES 24500 GVW TRUCK	143,076	53.98		9.43	19.97	13.41			255
	SCHWING									
2310	MOD BPA 350 TRAILER MTD 60 CY/HR 67 HP D	44,825	15.86		2.97	6.29	3.38			66
2315	MOD BPA 650 TRAILER MTD 60 CY/HR 152 HP D	70,080	27.81		4.62	9.76	7.66			98
2320	MOD BPA 901 TRAILER MTD 135 CY/HR 152 HP D	71,985	28.30		4.74	10.03	7.66			98
2325	MOD BP 3000 TRAILER MTD 127 CY/HR 177 HP D	95,334	35.94		6.30	13.36	8.92			130
2330	MOD BP 5000 TRAILER MTD 151 CY/HR 300 HP D	122,309	50.80		8.08	17.14	15.12			150
2335	MOD BPL 580 TRUCK MTD 72 CY/HR 175 HP D INCLUDING TRUCK AND 75' BOOM	151,045	53.25		9.92	20.92	11.17			302
2340	MOD BPL 801 TRUCK MTD 107 CY/HR 175 HP D INCLUDING TRUCK AND 92' BOOM	219,422	70.85		14.45	30.53	11.17			321
2345	MOD BPL1200 TRUCK MTD 147 CY/HR 239 HP D INCLUDING TRUCK AND 102' BOOM	274,246	90.21		18.05	38.13	15.26			408

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CONRETE SAWS ********** FELKER (SAWBLADE WEAR NOT INCLUDED)									
2355	MOD 8KCC 5" DEPTH OF CUT 8 HP G	1,689	1.55		0.11	0.24	0.84			3
2360	MOD 12WCC 5" DEPTH OF CUT 12 HP G	1,880	2.15		0.13	0.27	1.26			3
2365	MOD 14TCC 5" DEPTH OF CUT 14 HP G	1,933	2.44		0.13	0.27	1.47			3
2370	MOD 140MR 8" DEPTH OF CUT 14 HP G	4,110	3.00		0.27	0.58	1.47			6
2375	MOD 185MR 8" DEPTH OF CUT 18 HP G	5,224	3.83		0.35	0.74	1.88			7
2380	MOD 250MR 8" DEPTH OF CUT 23 HP G	5,295	4.54		0.35	0.74	2.41			7
2385	MOD 30MCA 10" DEPTH OF CUT 30 HP G	8,460	6.32		0.56	1.19	3.14			12
2390	MOD 665MCA 15" DEPTH OF CUT 65 HP G	11,392	11.91		0.75	1.60	6.80			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)	196,819	36.14	44.22	11.08	20.81	2.51	23.53	3.18	648
	MOD 597-C 1.25 CY T/C 114 HP D 14'-7" CRAWLERS W/32" SHOES									
2405	DRAGLINE OR CLAMSHELL (LESS BUCKET)	273,057	44.05	51.91	14.31	25.10	3.08	27.43	3.90	814
2410	CRANE 35-T W/65' BOOM	274,723	40.67	46.90	14.39	25.25	2.46	27.59	3.18	803
	MOD 599-A LIFTING CRANE T/C 114 HP D 16'-0" CRAWLERS W/32" SHOES									
2420	CRANE 50-T W/75' BOOM	299,657	44.09	50.81	15.70	27.54	2.46	30.09	3.18	962
	MOD 5299-A LIFTING CRANE T/C 114 HP D 17'-6" CRAWLERS W/32" SHOES									
2430	CRANE 60-T W/80' BOOM	315,173	46.22	53.24	16.51	28.97	2.46	31.65	3.18	1088

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	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)	373,846	60.69	71.54	19.59	34.36	4.54	37.54	5.75	1278
2445	CRANE 40-T W/75' BOOM	365,949	54.61	63.02	19.17	33.64	3.63	36.75	4.69	1262
	MOD 7250 STEEL ERECTOR T/C 168 HP D 17'-6" CRAWLERS W/33" SHOES									
2455	CRANE 60-T W/80' BOOM	387,988	53.45	60.36	19.31	32.09	3.63	34.32	4.69	1421
	MOD 7260 LIFTING CRANE T/C 168 HP D 19'-6" CRAWLERS W/38" SHOES									
2465	CRANE 100T W/200' BOOM	480,223	65.10	73.36	23.90	39.72	3.63	42.49	4.69	1886
	MOD 999-C STEEL ERECTOR T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2475	CRANE 110-T W/200' BOOM	630,684	87.25	98.58	31.40	52.17	6.20	55.79	8.01	2792
	MOD 9260 4.5 CY T/C 287 HP D 23'-9" CRAWLERS W/38" SHOES									
2485	CRANE 125T W/270' BOOM	668,076	91.97	103.85	33.26	55.26	6.20	59.10	8.01	3150
2490	DRAGLINE OR CLAMSHELL (LESS BUCKET)	634,101	95.10	109.58	31.56	52.45	7.75	56.10	9.82	2950
	MOD 9270 LIFT CR TAPERED TIP T/C 287 HP D 23'-9" CRAWLERS W/44" SHOES									
2500	CRANE 150T W/280' BOOM	736,233	100.59	113.46	36.65	60.90	6.20	65.14	8.01	3400
	MOD 9299 LIFTING CRANE T/C 287 HP D 24'-11" CRAWLERS W/44" SHOES									
2510	CRANE 165T W/290' BOOM	773,899	102.58	114.46	37.51	60.45	6.20	64.01	8.01	3580
	MOD 9310 LIFTING CRANE T/C 287 HP D 28'-2" CRAWLERS W/50" SHOES									
2520	CRANE 225T W/280' BOOM	828,118	109.23	121.78	40.13	64.68	6.20	68.49	8.01	3990

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	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)	208,312	38.84	47.55	11.73	22.02	3.10	24.91	3.93	647
2540	CRANE 28-T W/50' BOOM	212,860	32.21	37.22	11.16	19.57	2.48	21.37	3.21	651
	MOD 30-B SER 5 HVY DUTY 1.5 CY 144 HP D 14'-7" CRAWLERS W/36" SHOES									
2550	BACKHOE	269,390	60.23	76.68	16.24	32.21	4.54	37.79	5.96	792
2555	DRAGLINE OR CLAMSHELL (LESS BUCKET)	300,128	49.02	57.80	15.73	27.59	3.89	30.14	4.92	833
2560	CRANE 35-T W/60' BOOM	301,663	45.15	52.12	15.81	27.73	3.11	30.29	4.02	831
	MOD 38-B SER 2 HVY DUTY 2 CY T/C 178 HP D 17'-5" CRAWLERS W/36" SHOES									
2570	SHOVEL	383,507	84.71	107.82	23.11	45.85	5.61	53.80	7.37	1279
2575	DRAGLINE OR CLAMSHELL (LESS BUCKET)	393,131	63.87	75.29	20.60	36.14	4.81	39.48	6.09	1192
	MOD 61-B SER 2 3.25 CY T/C 205 HP D 15'-11" CRAWLERS W/33" SHOES									
2585	SHOVEL	548,722	110.64	135.56	30.76	59.66	6.46	67.74	8.49	1762
2590	BACKHOE	525,201	106.23	130.20	29.43	57.10	6.46	64.84	8.49	1727
2595	DRAGLINE OR CLAMSHELL (LESS BUCKET)	542,714	80.06	92.09	27.01	44.89	5.53	48.02	7.01	1570
2600	CRANE 51-T W/70' BOOM	530,927	72.49	81.75	26.43	43.92	4.43	46.97	5.72	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	668,242	90.83	102.38	33.26	55.27	5.25	59.12	6.78	2123
2615	DRAGLINE OR CLAMSHELL (LESS BUCKET)	638,670	94.26	108.44	31.78	52.82	6.56	56.50	8.31	1973
	MOD 71-B SER 3 4.25 CY T/C 246 HP D 16'-10" CRAWLERS W/36" SHOES									
2625	SHOVEL	661,164	133.26	163.28	37.05	71.88	7.75	81.62	10.18	2096
2630	BACKHOE	625,368	126.56	155.11	35.04	67.99	7.75	77.20	10.18	2000

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	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)	593,050	88.21	101.54	29.52	49.06	6.64	52.46	8.41	1820
	MOD 88-B SER 4 5.5 CY T/C 365 HP D 17'-10" CRAWLERS W/36" SHOES									
2645	SHOVEL	938,537	183.65	219.08	49.79	92.17	11.50	102.05	15.11	2822
2650	DRAGLINE OR CLAMSHELL (LESS BUCKET)	772,390	112.99	128.79	37.43	60.33	9.85	63.88	12.48	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	199,481	30.24	34.96	10.45	18.33	2.38	20.03	3.07	772
	MOD LS-118 LIFTING CRANE T/C 165 HP D 17'-0" CRAWLERS W/30" SHOES									
2675	CRANE 60-T W/80' BOOM	318,740	44.61	50.50	15.86	26.36	3.56	28.20	4.60	1232
	MOD LS-338 LIFTING CRANE T/C 170 HP D 20'-0" CRAWLERS W/38" SHOES									
2685	CRANE 100-T W/200' BOOM	445,996	60.83	68.59	22.20	36.89	3.67	39.46	4.74	1512
	MOD LS-518 LIFTING CRANE T/C 245 HP D 24'-4" CRAWLERS W-44" SHOES									
2695	CRANE 150-T W/250' BOOM	674,767	91.71	103.36	33.59	55.82	5.29	59.69	6.84	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)	444,509	69.49	80.39	22.12	36.76	7.75	39.32	9.82	2306
2715	CRANE 100T W/210' BOOM	480,942	68.33	77.49	23.94	39.78	6.20	42.54	8.01	2354

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, SHOVEL,B/H,DRAGLINE (CONT'D) **********									
	MANITOWOC - CRAWLER TYPE (CONT'D)									
	MOD 3900W VICON SER2 4 CY T/C 300 HP D 24'-0" CRAWLERS W/48" SHOES									
2725	DRAGLINE OR CLAMSHELL (LESS BUCKET)	565,636	86.28	99.58	28.15	46.78	8.10	50.04	10.26	2763
2730	CRANE 140T W/250' BOOM	572,926	80.29	90.90	28.51	47.38	6.48	50.69	8.37	2815
	MOD 4100W VICON SER1 5 CY T/C 360 HP D 26'-6" CRAWLERS W/48" SHOES									
2740	DRAGLINE OR CLAMSHELL (LESS BUCKET)	752,623	113.52	130.87	37.46	62.25	9.72	66.59	12.31	3788
2745	CRANE 200T W/260' BOOM	761,938	103.07	115.37	36.92	59.51	7.78	63.02	10.04	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	1,188,727	164.11	184.26	57.61	92.85	14.80	98.32	19.11	5200
2760	DRAGLINE OR CLAMSHELL (LESS BUCKET)	1,208,324	180.58	206.32	58.56	94.38	18.49	99.94	23.43	5100
	NORTHWEST - CRAWLER TYPE									
	MOD 50-D 1.5 CY T/C 238 HP D 15'-4" CRAWLERS W/30" SHOES									
2775	DRAGLINE OR CLAMSHELL (LESS BUCKET)	278,400	48.86	57.91	14.59	25.59	6.43	27.96	8.14	954
2780	CRANE 45-T W/60' BOOM	275,293	43.97	51.13	14.43	25.31	5.14	27.64	6.64	947
	MOD 80-D 2.5 CY T/C 263 HP D 15'-10" CRAWLERS W/30" SHOES									
2790	SHOVEL	469,955	105.49	134.36	28.32	56.18	8.28	65.92	10.89	1510
2795	DRAGLINE OR CLAMSHELL (LESS BUCKET)	399,283	67.52	79.84	20.92	36.70	7.10	40.10	8.99	1274
2800	CRANE 40-T W/50' BOOM	395,190	61.08	70.77	20.71	36.33	5.68	39.68	7.34	1267
	MOD 9570 4.0 CY T/C 263 HP D 19'-0" CRAWLERS W/38" SHOES									
2810	DRAGLINE OR CLAMSHELL (LESS BUCKET)	467,343	71.79	82.90	23.26	38.66	7.10	41.34	8.99	1580
2815	CRANE 60-T W/50' BOOM	463,238	65.46	74.19	23.06	38.32	5.68	40.98	7.34	1565

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	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	774,323	158.77	194.76	43.40	84.19	11.28	95.59	14.82	2571
2830	DRAGLINE OR CLAMSHELL (LESS BUCKET)	694,463	105.60	121.81	34.57	57.44	9.67	61.43	12.24	2365
2835	CRANE 97.5-T W/170' BOOM	717,566	100.10	113.24	35.72	59.36	7.73	63.48	9.99	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)	708,816	107.73	123.33	34.35	55.36	12.31	58.63	15.60	2740
2850	CRANE 100-T W/170' BOOM	734,951	104.88	119.02	36.58	60.79	9.85	65.02	12.72	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)	305,523	49.68	58.58	16.01	28.08	3.78	30.68	4.79	989
2870	CRANE 60-T W/80' BOOM	311,347	43.03	48.61	15.50	25.75	3.02	27.54	3.91	1157
	MOD 670WLC 2 CY T/C 198 HP D 18'-6" CRAWLERS W/30" SHOES									
2880	DRAGLINE OR CLAMSHELL (LESS BUCKET)	381,695	62.83	74.12	20.00	35.09	5.35	38.33	6.77	1344
2885	CRANE 70-T W/150' BOOM	391,865	54.73	61.93	19.50	32.41	4.28	34.67	5.52	1466
	MOD 5100 3 CY T/C 236 HP D 21'-6" CRAWLERS W/36" SHOES									
2890	DRAGLINE OR CLAMSHELL (LESS BUCKET)	459,845	69.89	80.63	22.89	38.04	6.37	40.68	8.07	1775
2895	CRANE 100-T W/210' BOOM	476,410	66.41	75.13	23.71	39.40	5.10	42.15	6.58	1850
	MOD 5300A LIFTING CRANE T/C 378 HP D 32'-8" CRAWLERS W/48" SHOES									
2900	CRANE 300-T W/320' BOOM	1,427,536	185.16	205.91	69.18	111.50	8.16	118.08	10.55	5588

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, HYDRAULIC SELF-PROPELLED **********									
	GROVE									
2910	MOD RT58A 14 TON 112 HP D	111,174	20.72		5.59	9.80	3.83			410
2915	MOD RT515 15 TON 115 HP D	119,140	21.94		5.99	10.52	3.93			418
2920	MOD RT518 18 TON 115 HP D	133,554	24.14		6.71	11.75	3.93			452
2925	MOD RT522 22 TON 115 HP D	146,181	25.88		7.34	12.87	3.93			498
2930	MOD RT625 25 TON 156 HP D	194,690	33.99		9.79	17.18	5.34			560
2935	MOD RT740 40 TON 170 HP D	269,843	46.13		13.53	23.67	5.81			758
2940	MOD RT755 55 TON 170 HP D	321,655	53.76		16.11	28.13	5.81			839
2945	MOD RT865 65 TON 208 HP D	396,162	65.78		19.88	34.79	7.11			1100
2950	MOD RT980 80 TON 230 HP D	511,251	83.67		25.61	44.72	7.87			1320
2955	MOD RT1650 165 TON 512 HP D	964,782	160.42		48.41	84.73	17.51			2400
	LORAIN									
2965	MOD LRT150 15 TON 114 HP D	113,686	20.93		5.74	10.13	3.90			438
2970	MOD LRT180 18 TON 121 HP D	121,331	22.28		6.13	10.82	4.14			450
2975	MOD LRT330 33 TON 180 HP D	188,804	34.88		9.48	16.60	6.16			570
	P & H									
2985	MOD OMEGA 15 15 TON 125 HP D	114,912	21.56		5.80	10.23	4.27			364
2990	MOD OMEGA 18 18 TON 125 HP D	118,135	22.01		5.97	10.53	4.27			370
2995	MOD OMEGA 20 20 TON 125 HP D	122,252	22.57		6.18	10.90	4.27			380
3000	MOD OMEGA 23 23 TON 125 HP D	139,543	25.19		7.03	12.36	4.27			425
3005	MOD OMEGA 25 25 TON 155 HP D	177,709	31.97		8.95	15.72	5.30			540
3010	MOD OMEGA 30 30 TON 155 HP D	182,936	32.67		9.21	16.18	5.30			550
3015	MOD OMEGA 35 35 TON 155 HP D	189,114	33.52		9.53	16.75	5.30			560
3020	MOD OMEGA 40 40 TON 202 HP D	253,197	45.30		12.69	22.17	6.91			760
3025	MOD OMEGA 45 45 TON 202 HP D	262,058	46.50		13.14	22.97	6.91			770
3030	MOD OMEGA 50 50 TON 202 HP D	271,793	47.83		13.64	23.85	6.91			780
3035	MOD OMEGA 65 65 TON 235 HP D	349,934	60.70		17.53	30.62	8.04			980

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, HYD SELF-PROPELLED (CONT'D) **********									
	PETTIBONE									
3045	MOD 16 MK P SERIES 8 TON 118 HP D	102,644	19.53		5.18	9.15	4.04			290
3050	MOD 20 MK P SERIES 10 TON 118 HP D	105,571	19.99		5.33	9.39	4.04			310
3055	MOD 25 MK P SERIES 12.5 TON 118 HP D	109,531	20.54		5.53	9.75	4.04			465
3060	MOD 36 MK P SERIES 18 TON 118 HP D	126,798	23.16		6.38	11.21	4.04			500
3065	MOD 100SC 50 TON 188 HP D	284,730	48.96		14.29	25.01	6.43			1050
	CRANES, HYDRAULIC TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRIER)									
	BUCYRUS ERIE									
3075	30-XC 30 TON W/80' BOOM 130/210 HP D/D	205,021	32.34	37.38	10.01	17.04	5.88	18.27	7.53	552
3080	60-XC 60 TON W/104' BOOM 197/238 HP D/D	354,173	53.38	61.45	17.31	29.55	8.37	31.69	10.76	783
	GROVE									
3090	TMS185 18 TON W/106' BOOM 172 HP D	195,547	33.54	39.74	10.10	18.21	5.88	19.95	7.74	442
3095	TMS300 35 TON W/112' BOOM 203 HP D	236,429	37.56	43.75	11.53	19.64	6.94	21.06	9.13	705
3100	TMS475 50 TON W/142' BOOM 213 HP D	294,206	44.86	51.98	14.37	24.50	7.28	26.27	9.58	776
3105	TM875 80 TON W/146' BOOM 196/268 HP D/D	436,148	63.11	71.87	20.63	33.96	8.54	36.03	10.96	1200
3110	TM1150 115 TON W/172' BOOM 196/315 HP D/D	670,693	90.69	102.32	31.80	52.54	8.86	55.77	11.33	1600
3115	TM1400 140 TON W/173' BOOM 318/387 HP D/D	787,955	107.98	121.58	37.16	57.86	13.52	60.76	17.40	1880
	LINK BELT (FMC)									
3125	HTC-25 25 TON W/95' BOOM 216 HP D	193,493	35.38	42.24	9.98	17.98	7.39	19.72	9.72	462
3130	HTC-35 35 TON W/108' BOOM 216 HP D	227,142	36.83	43.05	11.09	18.93	7.39	20.31	9.72	628
3135	HTC-50 50 TON W/122' BOOM 244 HP D	276,605	44.01	51.29	13.51	23.06	8.34	24.73	10.98	727
	PETTIBONE									
3145	50TKLSPC 25 TON W/98' BOOM 210 HP D	200,528	35.95	42.80	10.36	18.68	7.18	20.47	9.45	520
3150	80TKLS 40 TON W/112' BOOM 244 HP D	254,841	41.49	48.49	12.44	21.21	8.34	22.74	10.98	740
3155	110 TK P 55 TON W/114' BOOM 238 HP D	275,763	43.73	50.93	13.47	22.97	8.14	24.63	10.71	830

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, HYDRAULIC TRUCK MTD (CONT'D) ********** (HP & FUEL LISTED EQUIP/CARRIER)									
	PETTIBONE (CONT'D)									
3160	160TKLSPC80 TON W/118' BOOM 365 HP D	447,131	69.36	80.15	21.16	34.83	12.48	36.95	16.42	1395
	CRANES, TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRIER)									
	AMERICAN									
3170	5470 65 TON W/170' BOOM 115/238 HP D/D	375,422	52.88	60.28	18.30	31.14	5.56	33.39	7.07	1175
3175	5530 75 TON W/170' BOOM 115/238 HP D/D	386,948	53.06	59.91	18.34	30.26	5.56	32.11	7.07	1245
3180	7460 90 TON W/200' BOOM 213/230 HP D/D	475,007	67.42	76.65	22.53	37.24	8.86	39.53	11.42	1503
3185	7530 125 TON W/220' BOOM 213/350 HP D/D	543,387	76.71	87.02	25.77	42.55	9.68	45.16	12.38	1696
3190	8460 165 TON W/240' BOOM 268/350 HP D/D	759,960	101.56	113.91	35.90	56.02	11.56	58.84	14.85	2320
3195	9460 220 TON W/260' BOOM 287/450 HP D/D	1,022,293	134.75	150.78	48.17	74.90	12.89	78.65	16.51	3480
	LINK BELT (FMC)									
3205	HC108C 50 TON W/150' BOOM 110/238 HP D/D	341,496	48.62	55.50	16.64	28.29	5.39	30.33	6.85	1197
3210	HC218A 100 TON W/220' BOOM 165/318 HP D/D	521,086	71.58	80.87	24.72	40.84	7.82	43.35	9.96	1688
3215	HC238A 140 TON W/230' BOOM 171/318 HP D/D	609,061	80.14	89.58	28.74	44.80	8.02	47.05	10.23	2220
	LORAIN									
3225	MC670A 70 TON W/170' BOOM 150/250 HP D/D	394,697	55.57	63.00	18.71	30.87	6.84	32.77	8.74	1243
3230	MC790 90 TON W/220' BOOM 210/270 HP D/D	482,962	68.71	78.08	22.91	37.83	9.03	40.15	11.60	1594
3235	MC1400 140 TON W/230' BOOM 220/290 HP D/D	588,938	79.74	89.58	27.79	43.30	9.51	45.47	12.21	1950
	P & H									
3245	325TC 25 TON W/110' BOOM 83/190 HP D/D	245,250	37.68	43.84	12.66	22.84	4.14	25.03	5.25	645
3250	430ATC 35 TON W/150' BOOM 86/210 HP D/D	274,532	38.75	44.16	13.41	22.89	4.38	24.55	5.55	763
3255	440TC 40 TON W/170' BOOM 90/228 HP D/D	307,914	43.23	49.21	15.04	25.65	4.64	27.50	5.87	964
3260	650ATC 50 TON W/150' BOOM 135/236 HP D/D	396,934	56.28	64.27	19.35	32.95	6.23	35.34	7.96	1222
3265	670TC 70 TON W/180' BOOM 135/255 HP D/D	435,828	59.73	67.47	20.67	34.14	6.36	36.23	8.11	1440

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, TRUCK MOUNTED (CONT'D) ********** (HP & FUEL LISTED EQUIP/CARRIER)									
	P & H (CONT'D)									
3270	790BTC 90 TON W/200' BOOM 160/350 HP D/D	488,523	68.07	76.99	23.15	38.20	7.87	40.54	9.99	1606
3275	9115 125 TON W/220' BOOM 179/350 HP D/D	596,582	81.40	91.89	28.30	46.76	8.52	49.64	10.85	1709
3280	9150 150 TON W/270' BOOM 210/350 HP D/D	632,392	84.73	94.98	29.85	46.54	9.58	48.88	12.24	1805
3285	6250TC 300 TON W/320' BOOM 364/450 HP D/D	1,384,339	177.71	198.16	65.41	102.14	15.53	107.29	19.97	3928
	CRANES, TOWER **********									
	AMERICAN PECCO									
	MODEL SK135-2 FREE STANDING 60 HP E 7500# @ 132' RADIUS (L-2)									
3295	7-S16 TOWER SECTS=103 FT HIGH	275,077	42.97		14.09	21.95	2.16			740
	OPT. 14'9-1/4" S16 TOWER SECT									
3300	ADD TO BASIC CRANE FOR EA SECT	12,017	1.52		0.62	0.96	0.00			51
3305	TOP CLIMBING OPT. ADD TO BASIC	44,539	5.63		2.29	3.56	0.00			118
	MODEL SK200 FREE STANDING 105 HP E 10600# @ 143' RADIUS (L-2)									
3310	7-S16 TOWER SECTS=103 FT HIGH	345,825	54.35		17.72	27.60	3.78			883
	14'9-1/4" S16 TOWER SECTION									
3315	ADD TO BASIC CRANE FOR EA SECT	12,017	1.52		0.62	0.96	0.00			51
3320	TOP CLIMBING OPT. ADD TO BASIC	44,539	5.63		2.29	3.56	0.00			118
	MODEL SK400 FREE STANDING 105 HP E 18500# @ 162' RADIUS (L-2)									
3325	6-S35 TOWER SECTS=116 FT HIGH	423,140	64.10		21.67	33.76	3.78			1216
	OPT. 19'4-1/4" S35 TOWER SECT.									
3330	ADD TO BASIC CRANE FOR EA SECT	15,213	1.92		0.78	1.21	0.00			84
3335	TOP CLIMBING OPT. ADD TO BASIC	46,155	5.83		2.36	3.68	0.00			223

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	CRANES, TOWER (CONT'D) **********									
	AMERICAN PECCO (CONT'D)									
	MODEL SK560 FREE STANDING 165 HP E 24500# @ 170' RADIUS (L-2)									
3340	6-S213 TOWER SECTS=116 FT HIGH	489,976	75.79		25.09	39.09	5.94			1547
	OPT. 19'4-1/4" S213 TOWER SECT									
3345	ADD TO BASIC CRANE FOR EA SECT	16,228	2.06		0.84	1.30	0.00			100
3350	TOP CLIMBING OPT. ADD TO BASIC	87,718	11.08		4.50	7.00	0.00			252
	MODEL SN355 FREE STANDING 165 HP E 12300# @ 165' RADIUS (L-2) WITH LUFFING BOOM									
3355	6-SN35 TOWER SECTS=116 FT HIGH	518,389	79.38		26.55	41.36	5.94			2152
	OPT. 19'4-1/4" SN35 TOWER SECT									
3360	ADD TO BASIC CRANE FOR EA SECT	15,213	1.92		0.78	1.21	0.00			84
3365	TOP CLIMBING OPT. ADD TO BASIC	91,732	11.59		4.70	7.32	0.00			159
	DRILLS, BLAST HOLE, CRAWLER MTD **********									
	GARDNER DENVER									
3375	AT3100B/PR123J 3.0" HOLE 12' FEED 600CFM A	70,708	15.71		4.26	8.50	0.00			91
3380	AT3100B/PR55 3.5" HOLE 12' FEED 750CFM A	66,631	14.84		4.01	8.00	0.00			93
3385	AT3100B/PR66 4.0" HOLE 12' FEED 900CFM A	73,506	16.29		4.43	8.83	0.00			95
3390	AT3700A/PR66 ANGLE DRILL 900CFM A 4.0" HOLE 12' FEED	89,713	19.75		5.40	10.77	0.00			146
3395	ATD5100/PR80H ANGLE DRILL 1200CFM A 4.5" HOLE 20' FEED	99,959	21.97		6.03	12.01	0.00			200
	INGERSOLL-RAND									
3405	ECM350/VL140 3.5" HOLE 12' FEED 750CFM A	78,796	17.40		4.74	9.46	0.00			129
3410	ECM350/VL671 4.0" HOLE 12' FEED 900CFM A	85,850	18.95		5.18	10.32	0.00			131
3415	ECM 450Y 3.0" HOLE 12' FEED 100 HP D	119,834	30.51		7.22	14.40	4.23			188

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	DRILLS, BLAST HOLE, CRLR MTD (CONT'D) **********									
	JOY-SULLIVAN									
3425	MAVRICK/VCR350 2.5" HOLE 12' FEED 450CFM A	39,379	8.81		2.38	4.73	0.00			60
3430	RAM STD/VCR260 4.0" HOLE 12' FEED 800CFM A	69,590	15.48		4.19	8.36	0.00			100
3435	RAM EXT/VCR260 4.0" HOLE 12' FEED 800CFM A	82,047	18.11		4.95	9.86	0.00			144
3440	MUSTANG VCR280 5.0" HOLE 20' FEED1200CFM A	101,453	22.30		6.12	12.19	0.00			184
3445	STALLION JH-6 5.5" HOLE 20' FEED 165 HP D	217,234	54.46		13.09	26.10	6.98			300
	DRILLS, CORE, AIR, COLUMN MOUNTED **********									
3455	LONGYEAR 24 WOLVERINE AX 700' 450CFM A	17,814	4.07		1.08	2.14	0.00			12
3460	LONGYEAR 65D EX 600' 400CFM A	11,409	2.71		0.69	1.37	0.00			3
3465	65D ROD PULLER 21" STROKE 400CFM A	1,702	0.61		0.11	0.21	0.00			1
	DRILLS, CORE, SKID MOUNTED **********									
	ACKER									
3475	TEREDO MARK-II NX 1000' MAX 44 HP D	30,163	8.67		1.82	3.63	1.86			40
3480	ACE MODEL C NX 725' MAX 20 HP D	20,621	5.40		1.24	2.48	0.85			45
	LONGYEAR									
3490	MOD 24 STD AX 675' MAX 12 HP G	17,005	4.89		1.03	2.05	1.12			17
3495	MOD 34 NX 1000' MAX 31 HP G	25,949	8.82		1.57	3.12	2.89			38
3500	MOD 34 NX 1000' MAX 40 HP D	30,887	8.61		1.86	3.71	1.69			39
3505	MOD 38 NX 1800' MAX 54 HP D	35,509	10.32		2.14	4.27	2.28			41
3510	MOD 44 NX 2500' MAX 60 HP D	42,654	12.15		2.57	5.13	2.54			56
	SPRAGUE AND HENWOOD									
3520	MOD 37-H NX 400' MAX 18 HP G	17,933	5.73		1.08	2.15	1.68			18
3525	MOD 40-CL NX 1050' MAX 49 HP D	27,763	8.43		1.68	3.34	2.07			27

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	DRILLS, ROTARY **********									
	INGERSOLL-RAND									
3535	MOD DM-25 6 3/4" DRILLMASTER 210 HP D CRWL. MOUNTED	247,212	50.00		12.93	22.80	8.88			500
3540	MOD T4-BH 7-7/8" DRILLMASTER 304 HP D TRK. MOUNTED	325,055	68.39		16.95	29.75	12.86			550
3545	MOD TH-60 WATER WELL DRILL 435 HP D TRK. MOUNTED	301,710	72.14		15.75	27.67	18.40			460
	JOY-ROBBINS									
3555	RRT 35 TK MTD 6-1/4" TO 7-7/8" 225 HP D	295,114	59.18		15.38	26.98	9.52			600
3560	RRT 50 TK MTD 6-3/4" TO 9-0" 335 HP D	450,262	89.64		23.47	41.20	14.17			860
3565	RRT 60 TK MTD 6-3/4" TO 9-7/8" 350 HP D	479,068	94.91		24.97	43.85	14.80			960
3570	RR10S MTD ON D9H 6-3/4" - 9-0" 410 HP D	343,236	76.34		17.96	31.66	17.34			1160
3575	RR10HD ON D9H 6-3/4" - 10-5/8" 410 HP D	379,473	81.87		19.85	35.00	17.34			1340
3580	RR10XHD ON 41B 9-7/8" - 12-1/4" 524 HP D	572,981	100.10		27.70	44.86	22.17			1830
3585	RR12E CRLR MTD 9-0" TO 12-1" 725/450 HP E/E	1,057,829	137.23		51.13	82.80	20.30			2605
	FORK LIFTS **********									
	CATERPILLAR									
	LC = LOAD CENTER									
3605	M20 ELECT 2000# @ 24" LC 18 HP E	16,418	4.10		0.98	1.93	0.65			54
3610	M25 ELECT 2500# @ 24" LC 18 HP E	16,505	4.14		0.99	1.95	0.65			54
3615	MC30 ELECT 3000# @ 24" LC 18 HP E	17,469	4.32		1.05	2.05	0.65			85
3620	M40B ELECT 4000# @ 24" LC 32 HP E	24,030	6.31		1.44	2.83	1.15			95
3625	M50B ELECT 5000# @ 24" LC 32 HP E	24,544	6.41		1.47	2.89	1.15			102
3630	MC60B ELECT 6000# @ 24" LC 47 HP E	27,073	7.67		1.62	3.19	1.69			123
3635	M70B ELECT 7000# @ 24" LC 53 HP E	33,458	9.24		2.00	3.93	1.91			134
3640	M80B ELECT 8000# @ 24" LC 53 HP E	35,014	9.55		2.10	4.14	1.91			142
3645	M100B ELECT 10000# @ 24" LC 53 HP E	37,009	9.91		2.22	4.39	1.91			160
3650	V30D GAS 3000# @ 24" LC 37 HP G	15,694	6.50		0.94	1.86	2.81			37

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	FORK LIFTS (CONT'D) **********									
	CATERPILLAR (CONT'D)									
3655	V40C GAS 4000# @ 24" LC 48 HP G	20,846	8.55		1.24	2.44	3.64			41
3660	V50C GAS 5000# @ 24" LC 48 HP G	21,303	8.67		1.26	2.46	3.64			45
3665	V60E GAS 6000# @ 24" LC 63 HP G	29,407	11.62		1.76	3.45	4.78			52
3670	V70E GAS 7000# @ 24" LC 63 HP G	29,756	11.68		1.77	3.49	4.78			56
3675	V80E GAS 8000# @ 24" LC 63 HP G	30,948	11.92		1.85	3.64	4.78			59
3680	V110 GAS 11000# @ 24" LC 66 HP G	44,517	14.84		2.66	5.24	5.01			82
3685	V150 DIESEL 15000# @ 24" LC 70 HP D	47,956	12.25		2.87	5.65	2.39			92
3690	V180B DIESEL 18000# @ 24" LC 125 HP D	63,485	17.65		3.77	7.38	4.27			114
3695	V200B DIESEL 20000# @ 24" LC 125 HP D	69,158	18.74		4.12	8.06	4.27			124
3700	V250B DIESEL 25000# @ 24" LC 125 HP D	71,158	19.11		4.24	8.32	4.27			154
3705	V300B DIESEL 30000# @ 24" LC 125 HP D	79,825	20.84		4.74	9.28	4.27			165
3710	R40 DIESEL 4000# @ 24" LC 68 HP D	28,106	8.36		1.67	3.27	2.33			107
3715	R50 DIESEL 5000# @ 24" LC 68 HP D	28,803	8.49		1.71	3.35	2.33			112
3720	R60 DIESEL 6000# @ 24" LC 68 HP D	34,798	9.65		2.08	4.07	2.33			128
3725	R80 DIESEL 8000# @ 24" LC 68 HP D	36,164	9.93		2.15	4.21	2.33			138
	HYSTER - CHALLENGER									
3735	H30XL 3000# @ 24" LC 63 HP G	16,285	9.11		0.97	1.89	4.78			58
3740	H60XL 6000# @ 24" LC 80 HP G	23,527	12.10		1.40	2.75	6.07			91
3745	H110F 11000# @ 24" LC 116 HP G	46,231	19.84		2.77	5.45	8.80			163
3750	H150H 15000# @ 24" LC 127 HP G	63,217	24.26		3.76	7.35	9.64			234
3755	H200HS20000# @ 24" LC PS 127 HP G	73,584	26.26		4.38	8.59	9.64			256
3760	H250H 25000# @ 24" LC PS 127 HP G	74,056	26.37		4.40	8.61	9.64			295
3765	H300B 30000# @ 24" LC PS 127 HP G	79,569	27.40		4.74	9.31	9.64			360
3770	H460CS46000# @ 36" LC PS 190 HP G	162,417	49.42		9.67	18.98	14.42			590

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	GENERATOR SETS, ELECTRIC ********** CATERPILLAR T = TURBOCHARGED TA = TURBOCHARGED AFTER COOLED SKID MOUNTED									
3785	MOD 3304B-T 240/480V 100 KW 148 HP D	16,893	10.06	12.75	1.13	2.46	5.06	2.72	6.66	37
3790	MOD 3306B-T 240/480V 125 KW 187 HP D	22,126	12.89	16.32	1.47	3.22	6.40	3.57	8.41	46
3795	MOD 3306B-TA 240/480V 150 KW 220 HP D	23,850	14.67	18.63	1.59	3.47	7.52	3.85	9.90	48
3800	MOD 3406B-T 240/480V 200 KW 290 HP D	25,640	18.04	23.00	1.71	3.73	9.92	4.14	13.05	57
3805	MOD 3406B-TA 240/480V 250 KW 370 HP D	29,298	22.26	28.45	1.95	4.27	12.65	4.73	16.65	59
3810	MOD 3408B-T 240/480V 255 KW 370 HP D	34,837	23.49	29.93	2.32	5.07	12.65	5.63	16.65	77
3815	MOD 3408B-TA 240/480V 310 KW 450 HP D	38,823	27.78	35.44	2.58	5.65	15.39	6.27	20.25	81
3820	MOD 3412B-T 240/480V 355 KW 500 HP D	46,892	31.70	40.38	3.12	6.82	17.10	7.57	22.50	91
3825	MOD 3412B-TA 240/480V 455 KW 650 HP D	63,521	41.80	53.17	4.22	9.24	22.23	10.25	29.25	102
3830	MOD 3508 240/480V 600 KW 845 HP D	84,696	54.82	69.68	5.63	12.33	28.90	13.67	38.02	140
3835	MOD 3512 240/480V 900 KW 1250 HP D	115,286	78.84	100.41	7.67	16.78	42.75	18.60	56.25	202
3840	MOD 3516 480V 1100 KW 1450 HP D	151,226	95.38	121.14	10.07	22.02	49.59	24.40	65.25	256
	KOHLER									
3850	2.25MBM25 PORTABLE 2.25 KW 5 HP G	683	0.62	0.79	0.05	0.10	0.38	0.11	0.49	1
3855	3.5MM65 PORTABLE 3.50 KW 8 HP G	1,080	0.99	1.26	0.07	0.15	0.61	0.17	0.79	2
3860	5MM65 PORTABLE 5.00 KW 12 HP G	1,397	1.45	1.85	0.10	0.21	0.91	0.23	1.19	2
	ONAN SKID MOUNTED									
3875	120/240V 2.5 KW 6 HP G	1,448	0.89	1.11	0.10	0.21	0.46	0.23	0.59	2
3880	120/240V 6.5 KW 14 HP G	3,249	2.04	2.57	0.22	0.47	1.06	0.52	1.38	3
3885	120/240V 10.0 KW 20 HP G	3,556	2.67	3.40	0.23	0.51	1.52	0.58	1.98	4
3890	120/240V 3.0 KW 6 HP D	3,763	1.11	1.32	0.25	0.55	0.21	0.60	0.27	4
3895	120/240V 6.0 KW 12 HP D	4,993	1.63	1.99	0.33	0.73	0.41	0.80	0.54	5
3900	120/240V 12.0 KW 22 HP D	7,185	2.54	3.14	0.48	1.05	0.75	1.16	0.99	7

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	GENERATOR SETS, ELECTRIC (CONT'D) **********									
	ONAN (CONT'D)									
3905	120/240V 15 KW 27 HP D	7,422	2.80	3.47	0.50	1.08	0.92	1.19	1.21	14
3910	120/240V 30 KW 63 HP D	10,994	5.13	6.43	0.73	1.60	2.15	1.77	2.83	19
3915	120/240V 45 KW 87 HP D	14,536	6.94	8.71	0.96	2.11	2.98	2.34	3.91	25
3920	120/240V 60 KW 102 HP D	16,684	8.07	10.13	1.11	2.43	3.49	2.69	4.59	26
3925	120/240V 75 KW 162 HP D	19,845	11.32	14.32	1.32	2.89	5.54	3.20	7.29	30
3930	120/240V 90 KW 162 HP D	20,781	11.53	14.56	1.39	3.03	5.54	3.35	7.29	30
3935	120/240V 125 KW 210 HP D	24,174	14.32	18.15	1.61	3.52	7.18	3.90	9.45	50
3940	120/240V 150 KW 276 HP D	28,695	18.13	23.03	1.91	4.17	9.44	4.63	12.42	65
	OVERLOWE									
3950	KP2250R PORTABLE 2.25 KW 5 HP G	897	0.67	0.85	0.06	0.13	0.38	0.15	0.49	1
3955	KP3000BC PORTABLE 3.00 KW 7 HP G	985	0.88	1.12	0.07	0.14	0.53	0.16	0.69	2
3960	KP3750BIC PORTABLE 3.75 KW 8 HP G	1,378	1.08	1.35	0.10	0.21	0.61	0.23	0.79	2
3965	KP5000BIC PORTABLE 5.00 KW 10 HP G	1,737	1.33	1.69	0.12	0.25	0.76	0.28	0.99	2
3970	KP6500BICB PORTABLE 6.50 KW 16 HP G	1,831	1.90	2.44	0.12	0.26	1.21	0.29	1.58	3
3975	KP7500BICB PORTABLE 7.50 KW 16 HP G	1,734	1.89	2.42	0.12	0.25	1.21	0.28	1.58	3
	GRADERS, MOTOR **********									
	CATERPILLAR									
3990	MOD 120-G POWER SHIFT ARTIC 125 HP D	102,047	21.35	26.54	5.74	10.33	3.94	11.61	5.17	272
3995	MOD 130-G POWER SHIFT ARTIC 135 HP D	116,031	23.93	29.74	6.53	11.76	4.25	13.23	5.59	293
4000	MOD 12-G POWER SHIFT ARTIC 135 HP D	124,780	25.30	31.42	7.02	12.64	4.25	14.22	5.59	316
4005	MOD 140-G POWER SHIFT ARTIC 150 HP D	127,000	26.30	32.72	7.13	12.84	4.72	14.44	6.21	318
4010	MOD 14-G POWER SHIFT ARTIC 180 HP D	177,410	35.77	44.43	9.93	17.77	5.67	19.97	7.45	441
4015	MOD 16-G POWER SHIFT ARTIC 250 HP D	254,045	50.96	63.32	14.20	25.39	7.87	28.52	10.35	581

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	GRADERS, MOTOR (CONT'D) **********												
	CHAMPION												
4025	MOD 710A	ARTICULATED	125 HP	D	99,549	20.97	26.10	5.59	10.05	3.94	11.30	5.17	296
4030	MOD 715A	ARTICULATED	144 HP	D	112,195	23.76	29.59	6.30	11.33	4.54	12.74	5.96	306
4035	MOD 720A	ARTICULATED	148 HP	D	119,052	25.04	31.17	6.69	12.01	4.66	13.50	6.13	340
4040	MOD 740A	ARTICULATED	181 HP	D	129,415	27.99	34.89	7.27	13.10	5.70	14.73	7.49	355
4045	MOD 710	NON-ARTICULATED	125 HP	D	93,626	20.05	24.98	5.26	9.44	3.94	10.61	5.17	280
4050	MOD 715	NON-ARTICULATED	144 HP	D	103,501	22.41	27.95	5.81	10.44	4.54	11.74	5.96	285
4055	MOD 720	NON-ARTICULATED	148 HP	D	108,709	23.43	29.22	6.10	10.94	4.66	12.30	6.13	315
4060	MOD 740	NON-ARTICULATED	181 HP	D	118,590	26.35	32.92	6.66	11.96	5.70	13.45	7.49	330
4065	MOD 760	NON-ARTICULATED	230 HP	D	149,226	33.50	41.89	8.33	14.87	7.24	16.71	9.52	390
	FIAT-ALLIS												
4075	MOD-65B	DIRECT DRIVE	68 HP	D	54,920	11.46	14.27	3.09	5.59	2.14	6.29	2.82	135
4080	MOD-FG75	POWER SHIFT	130 HP	D	79,928	18.13	22.68	4.48	8.03	4.09	9.03	5.38	300
4085	MOD-FG85	POWER SHIFT	145 HP	D	87,934	20.04	25.08	4.92	8.82	4.57	9.93	6.00	310
4090	MOD-FG95	POWER SHIFT	160 HP	D	92,307	21.49	26.93	5.15	9.18	5.04	10.31	6.62	330
	GALION												
4100	MOD 503-L	CONSTANT MESH	68 HP	G	46,737	13.04	16.36	2.64	4.75	4.77	5.34	6.18	115
4105	MOD T-500C	POWER SHIFT	145 HP	D	100,876	22.01	27.43	5.67	10.21	4.57	11.48	6.00	281
4110	MOD A-600	POWER SHIFT	186 HP	D	124,455	27.43	34.25	6.99	12.58	5.86	14.15	7.70	321
	HOISTS ******												
	BEEBE - AIR TUGGERS												
4120	2000P110-24	1.0 T 225 CFM RQD			5,958	1.30		0.36	0.71	0.00			5
4125	5000P120-24	2.5 T 500 CFM RQD			9,599	2.14		0.58	1.15	0.00			16
4130	10000P 50-24	5.0 T 500 CFM RQD			11,633	2.66		0.70	1.39	0.00			22
4135	20000P 50-40	10.0 T 850 CFM RQD			30,108	6.51		1.82	3.61	0.00			55

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	HOISTS (CONT'D) **********									
	SKAGIT									
4145	BU-18 DOUBLE DRUM W/5/8" CABLE 100 HP D	70,563	18.54		4.25	8.44	3.42			85
4150	G-70 DOUBLE DRUM W/7/8" CABLE 100 HP D	95,455	23.58		5.75	11.42	3.42			126
4155	RB-80 DOUBLE DRUM W/1-1/8" CABLE 130 HP D	146,980	35.31		8.85	17.59	4.45			240
4160	RB-90WDOUBLE DRUM W/1-3/8" CABLE 150 HP D	163,276	39.45		9.84	19.54	5.13			300
	HYDRAULIC EXCAVATOR, CRAWLER MOUNTED ********** T/B = TELESCOPING BOOM B/H = BACKHOE									
	AMERICAN									
4175	MOD 185 1.00 CY B/H 103 HP D	112,805	30.04	40.50	7.42	15.23	3.24	18.87	4.26	410
4180	MOD 25A 1.38 CY B/H 185 HP D	187,638	45.15	57.62	11.31	22.43	5.83	26.32	7.66	660
4185	MOD 480 2.00 CY B/H 300 HP D	278,451	67.96	86.77	16.78	33.29	9.45	39.06	12.42	97
4190	MOD 680 4.00 CY B/H 456 HP D	444,130	100.69	124.37	24.89	48.29	14.36	54.83	18.88	1647
	BADGER (HOPTO)									
4200	MOD 211 1.25 CY B/H 160 HP D	161,017	38.79	49.49	9.70	19.25	5.04	22.58	6.62	530
4205	MOD 311 1.88 CY B/H 235 HP D	230,085	55.67	71.07	13.87	27.51	7.40	32.28	9.73	745
4210	MOD 900B 2.00 CY B/H 308 HP D	278,068	63.90	79.01	15.58	30.23	9.70	34.33	12.75	1015
4215	MOD 1900 5.00 CY B/H 616 HP D	580,071	132.30	163.48	32.51	63.07	19.40	71.62	25.50	2050
	BUCYRUS ERIE									
4225	MOD 300-H 1.00 CY B/H 176 HP D	179,332	48.29	65.09	11.80	24.21	5.54	29.99	7.29	546
4230	MOD 325-H 1.75 CY B/H 205 HP D	246,707	57.91	73.87	14.87	29.49	6.46	34.61	8.49	774
4235	MOD 350-H 2.50 CY B/H 248 HP D	310,998	72.60	92.58	18.74	37.18	7.81	43.62	10.27	1000
4240	MOD 400-H 4.25 CY B/H 392 HP D	520,558	112.56	138.58	29.17	56.60	12.35	64.27	16.23	1575
	CASE									
4250	MOD 880C "E" BOOM .63 CY B/H 125 HP D	105,043	29.25	39.37	6.91	14.18	3.94	17.56	5.17	310
4255	MOD 980B 1.00 CY B/H 165 HP D	130,444	36.74	49.46	8.58	17.61	5.20	21.82	6.83	445

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D) ********** T/B = TELESCOPING BOOM B/H = BACKHOE									
	CASE (CONT'D)									
4260	MOD 1280 1.25 CY B/H 200 HP D	152,523	38.58	49.30	9.20	18.24	6.30	21.39	8.28	505
	CATERPILLAR									
4270	MOD 215 .75 CY B/H 90 HP D	126,804	32.65	44.07	8.35	17.12	2.83	21.21	3.73	387
4275	MOD 225 1.00 CY B/H 135 HP D	156,700	41.38	55.80	10.31	21.15	4.25	26.21	5.59	504
4280	MOD 235 1.50 CY B/H 195 HP D	281,349	64.57	82.29	16.95	33.63	6.14	39.46	8.07	891
4285	MOD 245 2.50 CY B/H 325 HP D	438,290	101.41	129.26	26.41	52.40	10.24	61.48	13.45	1385
	GRADALL									
4300	MOD G-660 .63 CY T/B 115 HP D	158,229	40.86	55.13	10.41	21.36	3.62	26.47	4.76	450
4305	MOD G-880B .75 CY T/B 160 HP D	194,726	51.09	68.90	12.81	26.29	5.04	32.57	6.62	533
4310	MOD G-1000 1.25 CY T/B 272 HP D	266,340	64.44	82.25	16.06	31.85	8.57	37.36	11.26	787
	INSLEY									
4325	MOD H1000C 1.25 CY B/H 180 HP D	149,240	37.14	47.46	8.99	17.84	5.67	20.94	7.45	517
4330	MOD H2500C 2.25 CY B/H 290 HP D	268,029	65.45	83.59	16.15	32.04	9.13	37.60	12.01	931
4335	MOD H3500C 3.50 CY B/H 390 HP D	376,655	85.51	105.64	21.11	40.95	12.28	46.50	16.15	1276
	JOHN DEERE									
4345	MOD 690 B .875 CY B/H 131 HP D	116,592	32.12	43.26	7.67	15.74	4.13	19.50	5.42	430
4350	MOD 890 A .50 CY B/H 210 HP D	240,650	56.86	72.54	14.51	28.77	6.61	33.76	8.69	880
4355	MOD 990 1.875 CY B/H 260 HP D	271,852	65.11	83.07	16.38	32.50	8.19	38.13	10.76	910
	KOEHRING									
4365	MOD 166 BANTAM .88 CY B/H 108 HP D	117,782	31.38	42.32	7.75	15.90	3.40	19.70	4.47	374
4370	MOD 266 BANTAM 1.13 CY B/H 143 HP D	156,132	41.60	56.08	10.27	21.08	4.50	26.11	5.92	514
4375	MOD 366 BANTAM 1.25 CY B/H 210 HP D	187,124	45.98	58.73	11.28	22.37	6.61	26.25	8.69	612
4380	MOD 566 1.50 CY B/H 240 HP D	272,401	64.45	82.23	16.41	32.56	7.56	38.21	9.94	834

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	HYDRAULIC EXCAVATOR,CRLR MTD (CONT'D) ********** T/B = TELESCOPING BOOM B/H = BACKHOE									
	KOEHRING (CONT'D)									
4385	MOD 666E 2.00 CY B/H 307 HP D	339,240	80.58	102.80	20.45	40.56	9.67	47.58	12.71	1075
4390	MOD 866E 3.25 CY B/H 332 HP D	435,914	94.39	116.22	24.43	47.39	10.46	53.81	13.74	1306
4395	MOD 1066E 4.00 CY B/H 420 HP D	541,783	117.60	144.85	30.37	58.91	13.23	66.89	17.39	1640
4400	MOD 1166E 5.00 CY B/H 464 HP D	603,660	130.88	161.18	33.83	65.63	14.62	74.52	19.21	1890
4405	MOD 1266 5.50 CY B/H 664 HP D	878,120	184.42	221.52	46.58	86.23	20.92	95.47	27.49	2600
4410	MOD 1466 9.00 CY B/H 832 HP D	1,024,864	217.48	261.47	54.37	100.65	26.21	111.43	34.44	2900
	UNIT									
4425	MOD H202CT SER II 1.25 CY B/H 152 HP D	146,961	39.92	53.78	9.67	19.84	4.79	24.58	6.29	475
4430	MOD H342 1.63 CY B/H 228 HP D	237,071	56.82	72.52	14.29	28.34	7.18	33.26	9.44	723
4435	MOD H471 1.75 CY B/H 304 HP D	293,990	71.28	90.99	17.72	35.15	9.58	41.24	12.59	972
	HYDRAULIC EXCAVATOR, TRUCK MOUNTED ********** (HP & FUEL LISTED EQUIP/CARRRIER) T/B = TELESCOPING BOOM B/H = BACKHOE									
	GRADALL									
4445	MOD G-660 .63 CY T/B 123/235 HP D/G	164,889	31.07	37.18	8.50	15.32	6.91	16.79	9.05	422
4450	MOD G-880 .75 CY T/B 160/210 HP D/D	214,265	37.41	44.16	11.06	19.95	6.91	21.87	8.88	530
4455	MOD G-1000 1.25 CY T/B 272/312 HP D/D	292,227	49.87	58.26	14.27	24.34	11.44	26.11	14.73	724
	LAND CLEARING EQUIPMENT ********** (ADD TO TRACTOR)									
4465	FLECO LAND CLEARING RAKE FOR 123/235 D/G	18,984	3.94	4.96	1.15	2.28	0.00	2.67	0.00	67
4470	FLECO LAND CLEARING RAKE FOR 160/210 D/D	25,019	5.17	6.52	1.51	3.00	0.00	3.52	0.00	98
4475	FLECO LAND CLEARING RAKE FOR 272/312 D/D	37,060	7.64	9.64	2.24	4.45	0.00	5.22	0.00	138
4480	FLECO CLAMP RAKE FOR CAT 973 (ADD TO 977 LOADER)	18,961	4.07	5.09	1.15	2.28	0.00	2.67	0.00	58

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LIGHTING SETS, TRAILER MOUNTED **********									
	ALLMAND METALLIC VAPOR									
4490	MAXI-LITE III 4/1000W 15 HP D	13,739	5.33		0.90	1.82	0.67			29
	OVER-LOWE METALLIC VAPOR									
4500	TM 352 2/1000W 3 KW 6 HP D	10,845	3.88		0.70	1.43	0.27			17
4505	TM 354 4/1000W 6 KW 12 HP D	14,328	5.37		0.93	1.90	0.54			22
4510	TM 356 6/1000W 8 KW 15 HP D	16,851	6.36		1.10	2.24	0.67			24
	LOADERS, BELT **********									
	KOLMAN									
4520	101XHD 24"X50' 355 T/HR 28 HP D	30,070	8.13	10.61	1.78	3.33	0.96	3.87	1.26	116
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4530	PLATE FEEDER DOZER TRAP MODEL 45	5,601	1.16	1.49	0.33	0.64	0.00	0.76	0.00	37
4535	BELT FEEDER DOZER TRAP MODEL 65	6,822	1.43	1.80	0.41	0.79	0.00	0.92	0.00	36
4540	WING WALLS STATIONARY	1,298	0.27	0.35	0.08	0.15	0.00	0.18	0.00	9
4545	TUNNEL EXTENSION W/WING WALLS	6,509	1.36	1.72	0.39	0.75	0.00	0.88	0.00	61
4550	SINGLE DECK SCREEN SB-70 7'X42	5,348	1.12	1.42	0.32	0.62	0.00	0.73	0.00	19
4555	DOUBLE DECK SCREEN DC-70-42 7'X42	6,558	1.37	1.74	0.39	0.76	0.00	0.89	0.00	27
4560	TRIPLE DECK SCREEN TC-70-42 7'X42	9,475	1.98	2.51	0.58	1.10	0.00	1.28	0.00	34
4565	XHD CONVEYOR JACKLEG	908	0.19	0.24	0.06	0.11	0.00	0.12	0.00	9
4570	101XHD 30"X50' 615 T/HR 42 HP D	32,622	9.42	12.34	1.92	3.59	1.44	4.18	1.89	135
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4580	PLATE FEEDER DOZER TRAP MODEL 45	6,620	1.39	1.75	0.40	0.77	0.00	0.89	0.00	42
4585	BELT FEEDER DOZER TRAP MODEL 65	7,244	1.52	1.92	0.44	0.84	0.00	0.98	0.00	40
4590	WING WALLS STATIONARY	1,298	0.27	0.35	0.08	0.15	0.00	0.18	0.00	9
4595	TUNNEL EXTENSION W/WING WALLS	6,509	1.36	1.72	0.39	0.75	0.00	0.88	0.00	61
4600	SINGLE DECK SCREEN SB-80 8'X48	6,112	1.28	1.62	0.37	0.71	0.00	0.83	0.00	23

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, BELT (CONT'D) **********									
	KOLMAN (CONT'D)									
4605	DOUBLE DECK SCREEN DC-80-48 8'X48	8,514	1.79	2.25	0.52	0.99	0.00	1.15	0.00	35
4610	TRIPLE DECK SCREEN TC-80-48 8'X48	10,643	2.22	2.82	0.64	1.23	0.00	1.44	0.00	43
4615	XHD CONVEYOR JACKLEG	908	0.19	0.24	0.06	0.11	0.00	0.12	0.00	9
4620	101XHD 36"X50' 910 T/HR 56 HP D	37,552	11.32	14.87	2.21	4.11	1.92	4.77	2.52	160
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4630	PLATE FEEDER DOZER TRAP MODEL 45	7,013	1.46	1.86	0.42	0.81	0.00	0.95	0.00	45
4635	BELT FEEDER DOZER TRAP MODEL 65	7,746	1.61	2.05	0.46	0.89	0.00	1.05	0.00	42
4640	WING WALLS STATIONARY	1,298	0.27	0.35	0.08	0.15	0.00	0.18	0.00	9
4645	TUNNEL EXTENSION W/WING WALLS	6,509	1.36	1.72	0.39	0.75	0.00	0.88	0.00	61
4650	SINGLE DECK SCREEN SB-90 9'X54	7,098	1.49	1.88	0.43	0.83	0.00	0.96	0.00	28
4655	DOUBLE DECK SCREEN DC-90-54 9'X54	10,190	2.13	2.69	0.62	1.18	0.00	1.37	0.00	43
4660	TRIPLE DECK SCREEN TC-90-54 9'X54	13,068	2.74	3.46	0.79	1.52	0.00	1.77	0.00	54
4665	XHD CONVEYOR JACKLEG	908	0.19	0.24	0.06	0.11	0.00	0.12	0.00	9
4670	101XHD 42"X50' 1260 T/HR 84 HP D	48,271	15.18	20.02	2.83	5.26	2.87	6.11	3.78	180
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4680	PLATE FEEDER DOZER TRAP MODEL 45	8,161	1.70	2.17	0.49	0.94	0.00	1.11	0.00	48
4685	BELT FEEDER DOZER TRAP MODEL 65	10,505	2.20	2.78	0.64	1.22	0.00	1.42	0.00	45
4690	WING WALLS STATIONARY	1,298	0.27	0.35	0.08	0.15	0.00	0.18	0.00	9
4695	TUNNEL EXTENSION W/WING WALLS	6,509	1.36	1.72	0.39	0.75	0.00	0.88	0.00	61
4700	SINGLE DECK SCREEN SB-100 60"X10'	9,175	1.92	2.43	0.55	1.06	0.00	1.24	0.00	37
4705	DOUBLE DECK SCREEN DC-100 60"X10'	11,818	2.47	3.12	0.71	1.37	0.00	1.59	0.00	55
4710	TRIPLE DECK SCREEN TC-100 60"X10'	18,108	3.79	4.80	1.10	2.10	0.00	2.45	0.00	68
4715	XHD CONVEYOR JACKLEG	908	0.19	0.24	0.06	0.11	0.00	0.12	0.00	9
4720	101XHD 48"X50' 1700 T/HR 128 HP D	84,329	24.86	32.44	4.98	9.36	4.38	10.90	5.76	265
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4730	PLATE FEEDER DOZER TRAP MODEL 45	11,689	2.45	3.10	0.71	1.36	0.00	1.58	0.00	51
4735	WING WALLS STATIONARY	1,298	0.27	0.35	0.08	0.15	0.00	0.18	0.00	9

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	AVERAGE COND. FUEL	SEVERE COND. OWNER-SHIP	SEVERE COND. FUEL	CWT
	LOADERS, BELT (CONT'D) **********									
	KOLMAN (CONT'D)									
4740	TUNNEL EXTENSION W/WING WALLS	6,908	1.45	1.83	0.42	0.80	0.00	0.93	0.00	66
4745	SINGLE DECK SCREEN SB-120 60"X12'	10,912	2.29	2.90	0.66	1.27	0.00	1.48	0.00	53
4750	DOUBLE DECK SCREEN DC-120 60"X12'	16,014	3.36	4.24	0.97	1.86	0.00	2.16	0.00	77
4755	TRIPLE DECK SCREEN TC-120 60"X12'	22,347	4.68	5.92	1.35	2.59	0.00	3.02	0.00	80
4760	XHD CONVEYOR JACKLEG	908	0.19	0.24	0.06	0.11	0.00	0.12	0.00	9
4765	303 48"X50' 2000 CY/HR 125 HP D	146,188	40.14	52.88	8.58	16.00	4.27	18.60	5.62	627
4770	303 48"X60' 2000 CY/HR 185 HP D	162,446	46.25	60.80	9.55	17.86	6.33	20.78	8.32	662
4775	303 60"X50' 3600 CY/HR 185 HP D	167,824	49.09	65.18	9.80	18.18	6.33	21.12	8.32	682
4780	303 60"X60' 3600 CY/HR 290 HP D	192,741	60.02	79.77	11.25	20.86	9.92	24.23	13.05	737
4785	404 48"X50' 2000 CY/HR 185 HP D	180,139	49.86	65.34	10.62	19.92	6.33	23.19	8.32	616
4790	404 48"X60' 2000 CY/HR 185 HP D	190,337	52.08	68.19	11.24	21.09	6.33	24.55	8.32	650
4795	404 60"X50' 3600 CY/HR 290 HP D	215,771	63.72	83.94	12.69	23.73	9.92	27.61	13.05	671
4800	404 60"X60' 3600 CY/HR 290 HP D	238,342	69.56	91.85	14.00	26.14	9.92	30.40	13.05	724
	OPTIONAL EQUIPMENT SELECT AS NEEDED									
4810	SINGLE DECK SCREEN SB-120 72"X12'	14,120	2.96	3.74	0.85	1.64	0.00	1.91	0.00	58
4815	DOUBLE DECK SCREEN DC-120 72"X12'	18,648	3.90	4.95	1.13	2.16	0.00	2.53	0.00	85
4820	TRIPLE DECK SCREEN TC-120 72"X12'	21,275	4.46	5.64	1.29	2.47	0.00	2.88	0.00	90
4825	SINGLE DECK VIBRATING GRIZZLE 72"W	21,341	4.46	5.66	1.29	2.47	0.00	2.89	0.00	89
	LOADERS, FRONT END, CRAWLER TYPE **********									
	CASE									
4835	350 B 3/4 CY 39 HP D	40,341	11.97	14.99	2.43	4.84	1.44	5.68	1.90	105
4840	450 B 1 CY 53 HP D	50,490	15.20	19.04	3.05	6.06	1.96	7.11	2.58	138
4845	850C 1-1/2 CY 78 HP D	68,094	20.82	26.10	4.11	8.17	2.88	9.59	3.79	211
4850	1150 C 1-3/4 CY 105 HP D	92,029	28.11	35.25	5.54	11.04	3.87	12.96	5.10	250
4855	1450 B 2-1/4 CY 140 HP D	108,405	33.95	42.62	6.53	13.00	5.17	15.27	6.80	310

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-SHIP	FUEL	OWNER-SHIP	FUEL	
	LOADERS, F.E., CRAWLER TYPE (CONT'D) **********													
	CATERPILLAR													
4865	931B	1	CY	65 HP	D	45,616	14.59	18.34	2.75	5.47	2.40	6.42	3.16	171
4870	943	1-1/2	CY	80 HP	D	80,674	24.03	30.10	4.87	9.68	2.95	11.36	3.89	255
4875	953	2	CY	110 HP	D	100,134	30.37	38.07	6.03	12.01	4.06	14.10	5.35	300
4880	963	2-1/2	CY	150 HP	D	131,865	40.26	50.48	7.95	15.82	5.53	18.57	7.29	394
4885	973	3-3/4	CY	210 HP	D	196,036	59.20	74.19	11.81	23.52	7.75	27.61	10.21	534
	FIAT-ALLIS													
4895	FL5	1	CY	63 HP	D	42,934	13.82	17.37	2.59	5.15	2.32	6.04	3.06	165
4900	FL7	1-1/4	CY	78 HP	D	50,739	16.53	20.79	3.06	6.09	2.88	7.15	3.79	198
4905	FL9	1-5/8	CY	87 HP	D	61,238	19.58	24.61	3.69	7.34	3.21	8.62	4.23	272
4910	FL10C	2	CY	122 HP	D	78,083	25.53	32.12	4.71	9.37	4.50	11.00	5.93	310
4915	FL14C	2-5/8	CY	150 HP	D	102,666	33.03	41.53	6.18	12.31	5.53	14.46	7.29	410
4920	FL20	3-1/2	CY	223 HP	D	145,924	47.47	59.69	8.80	17.51	8.23	20.55	10.84	605
	INTERNATIONAL													
4930	100-E	1-1/8	CY	65 HP	D	52,401	16.27	20.42	3.15	6.28	2.40	7.38	3.16	161
4935	125-E	1-3/8	CY	78 HP	D	62,784	19.50	24.47	3.78	7.53	2.88	8.84	3.79	199
4940	175-C	2	CY	130 HP	D	99,314	31.20	39.16	5.99	11.92	4.80	13.98	6.32	338
4945	250-C	2-3/4	CY	190 HP	D	143,908	45.28	56.86	8.68	17.27	7.01	20.27	9.23	452
	JOHN DEERE													
4955	JD350-C	3/4	CY	42 HP	D	38,887	11.77	14.74	2.35	4.67	1.55	5.48	2.04	119
4960	JD455-D	1-1/4	CY	67 HP	D	51,582	16.18	20.31	3.11	6.19	2.47	7.26	3.26	172
4965	JD555-A	1-3/8	CY	78 HP	D	63,500	19.67	24.69	3.82	7.61	2.88	8.94	3.79	188
	KOMATSU													
4975	D31S-17	1.3	CY	66 HP	D	45,853	14.71	18.48	2.76	5.50	2.44	6.45	3.21	156
4980	D41S-3	1.6	CY	90 HP	D	63,349	20.26	25.45	3.82	7.60	3.32	8.92	4.37	262
4985	D53S-16	1.8	CY	110 HP	D	81,340	25.73	32.31	4.90	9.76	4.06	11.45	5.35	300

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., CRAWLER TYPE (CONT'D) **********									
	KOMATSU (CONT'D)									
4990	D57S-1 2.1 CY 135 HP D	99,273	31.43	39.48	5.99	11.91	4.98	13.98	6.56	337
4995	D75S-3 3.3 CY 200 HP D	142,660	45.49	57.14	8.60	17.12	7.38	20.09	9.72	485
5000	D155S-1 5.9 CY 350 HP D	284,093	88.11	110.56	17.12	34.08	12.91	40.01	17.01	950
	LOADERS, FRONT END, WHEEL TYPE ********** (ARTIC = ARTICULATED)									
	BOBCAT									
5010	MOD 310 5 CWT. SKID STEER 16 HP G	8,317	3.23	4.19	0.50	0.94	1.21	1.10	1.58	18
5015	MOD 313 5 CWT. SKID STEER 13 HP D	9,692	2.52	3.24	0.58	1.10	0.44	1.28	0.58	19
5020	MOD 540 8 CWT. SKID STEER 23 HP G	11,885	4.62	5.90	0.72	1.36	1.75	1.58	2.27	31
5025	MOD 543 8 CWT. SKID STEER 22 HP D	13,238	3.63	4.63	0.79	1.51	0.75	1.77	0.99	33
5030	MOD 641 10 CWT. SKID STEER 28 HP D	15,617	4.37	5.59	0.93	1.78	0.96	2.08	1.26	39
5035	MOD 642 10 CWT. SKID STEER 32 HP G	14,530	6.02	7.72	0.87	1.66	2.43	1.93	3.16	38
5040	MOD 742 13 CWT. SKID STEER 34 HP G	16,742	6.63	8.51	1.00	1.91	2.58	2.24	3.36	45
5045	MOD 743 13 CWT. SKID STEER 36 HP D	17,936	5.20	6.65	1.08	2.05	1.23	2.40	1.62	46
5050	MOD 843 17 CWT. SKID STEER 54 HP D	23,118	7.20	9.29	1.38	2.61	1.85	3.04	2.43	63
5055	MOD 974 37 CWT. SKID STEER 78 HP D	42,527	12.53	16.48	2.51	4.68	2.67	5.44	3.51	121
	CASE									
5065	W-11 3/4 CY ARTIC 55 HP D	46,084	11.61	14.77	2.76	5.25	1.88	6.12	2.47	89
5070	W-14 1-1/4 CY ARTIC 83 HP D	60,844	16.01	20.56	3.63	6.88	2.84	8.01	3.73	137
5075	W-18 B 1-3/4 CY ARTIC 103 HP D	78,599	20.35	26.03	4.70	8.92	3.52	10.40	4.63	194
5080	W-20 C 2 CY ARTIC 110 HP D	82,428	21.64	27.88	4.91	9.28	3.76	10.81	4.95	212
5085	W-24 C 2-1/2 CY ARTIC 132 HP D	101,279	26.28	33.68	6.05	11.47	4.51	13.36	5.94	216
5090	W-36 3-1/2 CY ARTIC 185 HP D	138,250	35.66	45.29	8.29	15.80	6.33	18.43	8.32	340

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

UNIT NO.	EQUIPMENT					VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., WHEEL TYPE (CONT'D) **********													
	CATERPILLAR													
5100	910	1-1/4	CY ARTIC	65 HP	D	52,998	13.70	17.71	3.15	5.95	2.22	6.92	2.92	145
5105	920	1-3/4	CY ARTIC	80 HP	D	68,277	17.33	22.26	4.07	7.71	2.74	8.99	3.60	186
5110	930	2-1/4	CY ARTIC	100 HP	D	77,974	20.32	26.20	4.64	8.77	3.42	10.21	4.50	212
5115	950-B	3	CY ARTIC	155 HP	D	124,566	31.62	40.17	7.46	14.22	5.30	16.58	6.97	328
5120	966-D	4	CY ARTIC	200 HP	D	169,948	43.74	56.77	10.08	18.99	6.84	22.11	9.00	426
5125	980-C	5-1/4	CY ARTIC	270 HP	D	228,495	54.61	70.40	12.55	23.84	9.23	27.01	12.15	598
5130	988-B	7	CY ARTIC	375 HP	D	329,279	77.47	100.30	17.91	33.61	12.82	38.03	16.87	892
5135	992-C	13	CY ARTIC	690 HP	D	670,305	156.45	204.73	36.24	67.54	23.60	76.34	31.05	1916
	CLARK													
5145	35C	1-1/4	CY	82 HP	D	59,607	15.77	20.35	3.55	6.71	2.80	7.82	3.69	177
5150	45C	1-1/2	CY	107 HP	D	69,788	18.92	24.33	4.16	7.88	3.66	9.19	4.81	199
5155	55C	2	CY ARTIC	121 HP	D	81,254	21.96	28.31	4.84	9.15	4.14	10.66	5.44	247
5160	75C	2-1/2	CY ARTIC	154 HP	D	117,919	31.15	40.48	6.99	13.16	5.27	15.32	6.93	313
5165	125C	3-1/2	CY ARTIC	210 HP	D	159,933	42.62	55.72	9.45	17.73	7.18	20.63	9.45	437
5170	175C	4-1/2	CY ARTIC	273 HP	D	217,520	52.89	68.35	11.94	22.65	9.34	25.65	12.28	565
5175	275C	6-1/2	CY ARTIC	360 HP	D	310,253	72.47	92.92	16.97	32.04	12.31	36.27	16.20	864
5180	475C	12	CY ARTIC	612 HP	D	586,044	136.05	176.83	31.80	59.54	20.93	67.34	27.54	1689
	FIAT-ALLIS													
5190	345-B	1-1/2	CY ARTIC	80 HP	D	54,608	14.69	18.96	3.25	6.14	2.74	7.16	3.60	151
5195	FR-10	2-1/4	CY ARTIC	102 HP	D	69,394	18.56	23.83	4.14	7.85	3.49	9.16	4.59	212
5200	FR-12	2-1/2	CY ARTIC	120 HP	D	76,334	20.97	27.10	4.54	8.58	4.10	9.99	5.40	230
5205	FR-15	3	CY ARTIC	155 HP	D	107,297	29.26	38.21	6.35	11.91	5.30	13.85	6.97	296
5210	FR-20	4-1/2	CY ARTIC	215 HP	D	168,960	44.58	58.14	10.00	18.78	7.35	21.86	9.67	445
5215	945-B	6	CY ARTIC	335 HP	D	255,823	62.13	80.45	13.92	26.13	11.46	29.55	15.07	666

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

UNIT NO.	EQUIPMENT					VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	AVERAGE COND. FUEL	SEVERE COND. OWNER-SHIP	SEVERE COND. FUEL	CWT
	LOADERS, F.E., WHEEL TYPE (CONT'D) **********													
		FORD												
5225	445	3/4 CY		48 HP	D	25,036	7.36	9.57	1.49	2.79	1.64	3.24	2.16	73
5230	555	1 CY		55 HP	D	30,623	8.75	11.33	1.82	3.43	1.88	3.99	2.47	78
5235	A-62	1-1/2 CY		88 HP	D	62,968	16.69	21.51	3.75	7.09	3.01	8.27	3.96	173
5240	A-64	2 CY	ARTIC	107 HP	D	75,921	20.27	26.16	4.52	8.53	3.66	9.93	4.81	228
5245	A-66	2-1/2 CY	ARTIC	136 HP	D	107,674	27.49	35.02	6.44	12.26	4.65	14.30	6.12	256
		INTERNATIONAL												
5255	510B	1-3/8 CY		80 HP	D	51,230	14.65	19.52	2.99	5.55	2.74	6.45	3.60	140
5260	515B	1-5/8 CY		100 HP	D	63,216	17.53	22.76	3.75	7.06	3.42	8.22	4.50	167
5265	520B	2-1/4 CY	ARTIC	120 HP	D	74,823	20.72	26.85	4.45	8.39	4.10	9.77	5.40	232
5270	530	2-3/4 CY	ARTIC	155 HP	D	109,333	28.73	36.62	6.54	12.45	5.30	14.52	6.97	291
5275	540	3-3/4 CY	ARTIC	189 HP	D	152,056	40.00	52.31	8.99	16.86	6.46	19.62	8.50	360
5280	550	5-1/4 CY	ARTIC	209 HP	D	213,198	53.90	70.98	12.55	23.45	7.15	27.28	9.40	544
5285	560B	7-1/2 CY	ARTIC	415 HP	D	312,125	75.23	96.51	17.07	32.24	14.19	36.51	18.67	830
5290	570	12 CY	ARTIC	590 HP	D	601,232	135.75	173.97	32.87	62.05	20.18	70.25	26.55	1350
		JOHN DEERE												
5300	300B	3/4 CY		43 HP	D	23,573	6.72	8.63	1.41	2.66	1.47	3.10	1.93	69
5305	444C	1-1/2 CY		85 HP	D	63,245	16.61	21.39	3.77	7.13	2.91	8.31	3.82	179
5310	544C	2 CY	ARTIC	105 HP	D	76,508	19.99	25.52	4.58	8.70	3.59	10.14	4.72	197
5315	644C	3 CY	ARTIC	145 HP	D	109,748	28.86	37.32	6.52	12.32	4.96	14.35	6.52	260
5320	844	4-1/2 CY	ARTIC	260 HP	D	201,622	49.61	64.38	11.05	20.92	8.89	23.69	11.70	490
		KAWASAKI												
5330	KSS-65Z	2.2 CY		104 HP	D	64,211	17.91	23.25	3.81	7.18	3.56	8.35	4.68	220
5335	KSS-70	3.0 CY		158 HP	D	90,588	25.33	32.44	5.42	10.29	5.40	11.99	7.11	305
5340	KSS-80	4.0 CY		187 HP	D	118,872	33.37	43.81	7.01	13.11	6.40	15.26	8.41	390
5345	KSS-95Z11	5.5 CY		305 HP	D	179,600	48.03	62.92	9.80	18.48	10.43	20.92	13.72	615

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADERS, F.E., WHEEL TYPE (CONT'D) **********									
	TEREX (GM)									
5355	33C 2 CY 103 HP D	66,089	18.21	23.62	3.92	7.39	3.52	8.61	4.63	216
5360	44C 2-1/2 CY 113 HP D	75,696	20.51	26.50	4.51	8.51	3.86	9.90	5.08	250
5365	55C 3-1/4 CY 144 HP D	106,477	27.65	35.25	6.37	12.12	4.92	14.14	6.48	280
5370	66C 4 CY 210 HP D	144,192	39.32	51.30	8.53	16.03	7.18	18.65	9.45	425
5375	80C 5-1/2 CY 307 HP D	217,256	54.36	70.28	11.93	22.62	10.50	25.62	13.81	590
5380	90B 7-1/2 CY 388 HP D	316,502	74.78	95.83	17.32	32.72	13.27	37.05	17.46	845
	TROJAN									
5390	1500 1-3/4 CY ARTIC 85 HP D	67,986	17.50	22.51	4.05	7.67	2.91	8.95	3.82	180
5395	1900 2-1/4 CY ARTIC 117 HP G	77,971	27.18	35.08	4.64	8.77	8.88	10.21	11.57	212
5400	2000 3 CY ARTIC 149 HP D	110,535	28.67	36.51	6.61	12.59	5.10	14.68	6.70	306
5405	2500 4 CY ARTIC 182 HP D	137,052	36.55	47.74	8.10	15.21	6.22	17.72	8.19	393
5410	4000 4-1/4 CY ARTIC 203 HP D	150,078	40.43	52.97	8.86	16.60	6.94	19.30	9.13	410
5415	5500 5-1/2 CY ARTIC 285 HP D	219,352	54.59	71.33	11.99	22.62	9.75	25.61	12.82	616
5420	7500 7 CY ARTIC 400 HP D	288,725	70.59	90.91	15.76	29.70	13.68	33.62	18.00	846
	LOADER/BACKHOE, WHEEL TYPE TRACTOR **********									
	CASE									
5430	480D LDR/BHOE 7/8 CY FE BUCKET 24" B/H DIPPER 47 HP D	40,340	10.29	12.91	2.42	4.60	1.61	5.36	2.11	100
5435	580D LDR/BHOE 1.0 CY FE BUCKET 24" B/H DIPPER 55 HP D	47,049	11.98	15.04	2.82	5.37	1.88	6.27	2.47	115
5440	680H LDR/BHOE 1-1/4 CY FE BUCKET 30" B/H DIPPER 80 HP D	72,523	18.30	22.95	4.34	8.26	2.74	9.64	3.60	165
5445	780B LDR/BHOE 1-3/4 CY FE BUCKET 30" B/H DIPPER 111 HP D	85,702	22.32	28.02	5.14	9.80	3.80	11.42	4.99	200

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	LOADER/BH, WHL. TYPE TRACTOR (CONT'D) **********									
	JOHN DEERE									
5455	410B LDR/BH 1 CY FE BUCKET 62 HP D 24" B/H DIPPER	47,962	12.72	16.03	2.85	5.37	2.12	6.25	2.79	138
5460	510 LDR/BHOE 1-1/8 CY FE BUCKET 80 HP D 24" B/H DIPPER	69,386	17.76	22.31	4.14	7.84	2.74	9.14	3.60	205
5465	710B LDR/BHOE 1-1/2 CY FE BUCKET 100 HP D 30" B/H DIPPER	76,577	20.01	25.16	4.58	8.71	3.42	10.16	4.50	220
	LOADER/BACKHOE, CRLR TYPE TRACTOR **********									
	CASE									
5475	350B LDR/BHOE 3/4 CY FE BUCKET 39 HP D 24" B/H DIPPER	54,987	15.60	19.47	3.32	6.60	1.44	7.74	1.90	141
5480	450B LDR/BHOE 1 CY FE BUCKET 53 HP D 24" B/H DIPPER	65,472	18.90	23.63	3.94	7.85	1.96	9.22	2.58	167
	CATERPILLAR									
5490	931BLDR/BHOE 1 CY FE BUCKET 65 HP D 30" B/H DIPPER	58,259	17.73	22.22	3.51	6.99	2.40	8.21	3.16	207
	LOADER/BACKHOE ATTACHMENTS ********** HYDRAULICALLY OPERATED IMPACTOR MOUNTED ON BACKHOE OR HYDRAULIC EXCAVATOR (ADD TO THE BASIC LOADER-BACKHOE OR EXCAVATOR)									
5500	KENT RAM 555 W/NARROW CHISEL	4,947	2.05		0.36	0.79	0.00			6
5505	KENT RAM 999 W/NARROW CHISEL	10,275	4.27		0.77	1.65	0.00			10
5510	KENT RAM 2000 W/CHISEL-MIN 3/4CY B/H	19,912	8.22		1.47	3.19	0.00			22
5515	KENT KHP-12 HYDRA-PAK TAMPER	5,200	1.90		0.39	0.84	0.00			9
5520	KENT KHP-25 HYDRA-PAK MIN 3/4CY B/H	8,156	2.93		0.61	1.31	0.00			15

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	PILE EXTRACTORS **********									
	MKT CORPORATION									
5530	E2 700 FT-LBS 400CFM A	14,227	4.73		1.05	2.27	0.00			27
5535	E4 1000 FT-LBS 550CFM A	21,481	7.11		1.59	3.44	0.00			47
	VULCAN									
5545	400A 500 FT-LBS 450CFM A	18,259	6.04		1.36	2.93	0.00			30
5550	800A 1000 FT-LBS 900CFM A	23,965	8.05		1.78	3.84	0.00			57
5555	1200A 1640 FT-LBS 1350CFM A	28,429	9.74		2.11	4.55	0.00			97
	PILE HAMMERS, DIESEL ********** (FUEL NOT INCLUDED)									
	MKT CORPORATION									
5565	DE-30B/20B (6-FT) 12,000 FT-LBS	35,935	11.41		2.66	5.76	0.00			74
5570	DE-30B/20B (6-FT) 16,800 FT-LBS	40,156	12.74		2.97	6.43	0.00			82
5575	DE-70B/50B (6-FT) 30,000 FT-LBS	65,981	20.89		4.88	10.56	0.00			138
5580	DE-70B/50B (6-FT) 42,000 FT-LBS	70,188	22.22		5.20	11.24	0.00			158
	PILE HAMMERS, SINGLE ACTING **********									
	VULCAN									
5590	1 15000 FT-LBS 750CFM A	36,865	12.06		2.73	5.90	0.00			101
5595	06 19500 FT-LBS 900CFM A	42,256	13.82		3.12	6.76	0.00			121
5600	08 26000 FT-LBS 1100CFM A	48,874	16.01		3.61	7.82	0.00			175
5605	010 32500 FT-LBS 1350CFM A	53,568	17.64		3.97	8.58	0.00			195
5610	012 39000 FT-LBS 1500CFM A	60,306	19.66		4.46	9.65	0.00			287
5615	014 42000 FT-LBS 1750CFM A	71,649	23.54		5.31	11.47	0.00			283
5620	016 48750 FT-LBS 1750CFM A	84,236	27.52		6.24	13.49	0.00			320
5625	020 60000 FT-LBS 2150CFM A	112,761	36.72		8.35	18.05	0.00			425
5630	030 90000 FT-LBS 2350CFM A	165,373	53.44		12.24	26.47	0.00			575

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	PILE HAMMERS, DOUBLE ACTING **********												
	MKT CORPORATION												
5640	9-B-3	8750 FT-LBS	900CFM	A	28,883	9.60		2.14	4.63	0.00			74
5645	10-B-3	13100 FT-LBS	1200CFM	A	32,962	11.03		2.44	5.27	0.00			114
5650	11-B-3	19150 FT-LBS	1200CFM	A	43,881	14.49		3.25	7.03	0.00			141
5655	5 (SELF STOP)	1000 FT-LBS	375CFM	A	10,892	3.69		0.80	1.74	0.00			17
5660	6 (SELF STOP)	2500 FT-LBS	600CFM	A	13,849	4.71		1.03	2.22	0.00			31
5665	7 (SELF STOP)	4150 FT-LBS	750CFM	A	17,412	5.92		1.29	2.79	0.00			50
	VULCAN												
5675	50C	15100 FT-LBS	1250CFM	A	47,064	15.50		3.48	7.53	0.00			153
5680	65C	19200 FT-LBS	1450CFM	A	53,753	17.75		3.98	8.61	0.00			153
5685	80C	24450 FT-LBS	1750CFM	A	57,842	19.18		4.28	9.26	0.00			184
5690	100C	32900 FT-LBS	2050CFM	A	70,912	23.46		5.25	11.35	0.00			232
5695	140C	36000 FT-LBS	2150CFM	A	87,501	28.75		6.48	14.01	0.00			287
5700	200C	50200 FT-LBS	2550CFM	A	125,910	41.08		9.32	20.16	0.00			398
	PILE HAMMERS, VIBRATORY **********												
	MKT CORPORATION												
5710	V5	WITH POWER PACK	59 HP	D	62,828	22.51		4.65	10.06	2.02			110
5715	V16	WITH POWER PACK	156 HP	D	118,100	44.34		8.74	18.91	5.34			215
5720	V20	WITH POWER PACK	295 HP	D	172,766	67.87		12.79	27.66	10.09			257
5725	V30	WITH POWER PACK	550 HP	D	185,949	83.55		13.77	29.78	18.81			350
5730	V36	WITH POWER PACK	650 HP	D	235,115	103.57		17.40	37.64	22.23			450

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	PIPELAYER *********									
	CATERPILLAR									
5740	561D 15 FT BOOM, 40,000 LB CAP 105 HP D	116,161	21.48	26.25	6.64	11.31	1.98	12.61	2.55	357
5745	571G 18 FT BOOM, 60,000 LB CAP 200 HP D	186,373	35.31	43.20	10.65	18.14	3.78	20.24	4.86	502
5750	572G 18 FT BOOM, 90,000 LB CAP 200 HP D	212,527	39.52	48.29	12.14	20.68	3.78	23.07	4.86	605
5755	583K 20 FT BOOM, 140,000 LB CAP 300 HP D	267,186	50.97	62.37	15.26	26.00	5.67	29.00	7.29	905
5760	594H 24 FT BOOM, 200,000 LB CAP 410 HP D	373,056	70.93	86.79	21.31	36.30	7.75	40.50	9.96	1229
	PUMPS, GROUT **********									
	CHEMGROUT									
5770	CG-500 VERSATILE AIR OPERATED GROUT PLANT-100 PSI, 230 CFM	12,356	3.32		0.82	1.73	0.00			11
5775	CG-550 AIR OPERATED MINI GROUT PLANT-100 PSI, 150 CFM	4,569	1.27		0.30	0.64	0.00			5
5780	CG-600 AIR OPERATED COLLOIDAL MIXER AND PUMP-100 PSI, 450 CFM	18,245	5.01		1.21	2.57	0.00			18
5785	CG-620 COLLOIDAL ADD-ON TO CG-500	7,904	2.08		0.53	1.11	0.00			11
	PUMPS, WATER (FOR CORE DRILLS) **********									
	LONGYEAR									
5795	520 RQG 5.7-20 GPM UP TO 600PSI 10 HP G	6,685	2.71		0.41	0.78	1.05			7
5800	535 RQG 9.9-35 GPM UP TO 800PSI 15 HP G	8,453	3.75		0.51	0.98	1.57			10
	PUMPS, WATER,CENTRIFUGAL,DEWATERING **********									
	HOMELITE - SKID MOUNTED									
5810	MOD 110S 1-1/2"-5000 GPH @ 30' H 2 HP G	468	0.37		0.03	0.05	0.21			1
5815	MOD 111S 2" - 9000 GPH @ 22' H 3 HP G	600	0.53		0.04	0.07	0.31			1
5820	MOD 120S 3" - 18000 GPH @ 20' H 8 HP G	1,115	1.33		0.07	0.13	0.84			2

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	PUMPS, WATER,CENTRIF,DEWATER (CONT'D) **********									
	MARLOW - WHEEL MOUNTED									
5830	MOD 4D2 465 GPM @ 20 ' HEAD 43 HP G	8,879	7.71		0.54	1.03	4.50			14
5835	MOD 4C7 595 GPM @ 20 ' HEAD 30 HP D	5,118	2.98		0.31	0.59	1.43			10
5840	MOD 6E4A 1100 GPM @ 20 ' HEAD 79 HP G	11,747	13.26		0.71	1.36	8.27			15
5845	MOD 6E4A 1100 GPM @ 20 ' HEAD 60 HP D	16,929	7.32		1.02	1.96	2.86			24
5850	MOD 8FA3 2320 GPM @ 20 ' HEAD 70 HP D	21,731	8.93		1.31	2.52	3.34			23
5855	MOD 10FA61 2775 GPM @ 20 ' HEAD 68 HP D	23,111	9.07		1.40	2.68	3.24			30
	PUMPS, WATER, CENTRIFUGAL, TRASH **********									
	HOMELITE - SKID MOUNTED									
5865	MOD 121TP 2" - 11500 GPH @ 20' H 5 HP G	961	0.88		0.06	0.11	0.52			1
5870	MOD 120 3" - 23000 GPH @ 20' H 8 HP G	1,317	1.38		0.09	0.16	0.84			2
5875	MOD 160TP 4" - 36500 GPH @ 20' H 16 HP G	2,699	2.74		0.16	0.31	1.67			4
	PUMPS, WATER,DIAPHRAGM **********									
	HOMELITE - SKID MOUNTED									
5885	MOD 111DP 2" - 1900 GPH @ 10' HD 3 HP G	1,201	0.65		0.07	0.14	0.31			1
5890	MOD 111DP 3" - 4800 GPH @ 10' HD 3 HP G	1,345	0.68		0.09	0.16	0.31			2
	PUMPS, WATER, SUBMERSIBLE **********									
	GORMAN-RUPP									
5900	MOD S2A1 2" - 138 GPM @ 20' HD 2 HP E	1,631	0.36		0.10	0.19	0.07			2
5905	MOD S3A1 3" - 278GPM @ 20' HD 5 HP E	2,330	0.63		0.14	0.27	0.18			3
5910	MOD S4A1 4" - 860 GPM @ 40' HD 25 HP E	8,283	2.60		0.50	0.96	0.90			12
5915	MOD S6A1 6" - 1950 GPM @ 40' HD 60 HP E	10,788	4.83		0.65	1.25	2.16			14

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	PUMPS, WATER, SUBMERSIBLE (CONT'D) **********									
	HOMELITE									
5925	MOD SP200 2" - 13000 GPH @ 10' HD 2 HP E	1,319	0.31		0.09	0.16	0.07			1
5930	MOD SP300 3" - 19000 GPH @ 15' HD 4 HP E	1,631	0.46		0.10	0.19	0.14			1
	RIPPER & HYDRAULIC BANK SLOPER ********** (DOES NOT INCLUDE COST OF POINT WEAR)									
	ATECO									
5940	LPAF-D8K PARALLEL LIFT	25,412	6.27	8.45	1.68	3.58	0.00	4.46	0.00	101
5945	D-8K SHANKS EA	2,019	0.49	0.67	0.13	0.28	0.00	0.36	0.00	11
5950	LPAF-D7G PARALLEL LIFT	18,854	4.66	6.27	1.25	2.66	0.00	3.31	0.00	57
5955	D-7G SHANKS EA	885	0.22	0.30	0.06	0.13	0.00	0.16	0.00	5
5960	V-LPRF-TD25E PARALLEL LIFT STD SVC	21,909	5.42	7.30	1.46	3.09	0.00	3.85	0.00	97
5965	TD-25C SHANKS EA	1,973	0.48	0.64	0.13	0.28	0.00	0.34	0.00	8
5970	V-LPRF-TD20E PARALLEL LIFT STD SVC	15,702	3.89	5.23	1.04	2.21	0.00	2.75	0.00	51
5975	TD-20E SHANKS EA	1,253	0.30	0.41	0.08	0.17	0.00	0.22	0.00	4
5980	PS-TD15C RADIAL LIFT	9,126	2.30	3.08	0.61	1.29	0.00	1.60	0.00	22
5985	TD-15C SHANKS EA	494	0.12	0.17	0.03	0.07	0.00	0.09	0.00	1
5990	V-LPRF 82-50 PARALLEL LIFT STD SVC	24,422	6.01	8.11	1.62	3.44	0.00	4.29	0.00	105
5995	82-50 SHANKS EA	1,973	0.48	0.64	0.13	0.28	0.00	0.34	0.00	8
6000	V-LPRF-82-30B PARALLEL LIFT	21,675	5.35	7.21	1.44	3.06	0.00	3.81	0.00	89
6005	82-30 SHANKS EA	2,648	0.64	0.87	0.18	0.37	0.00	0.46	0.00	8
6010	HBS-HYDR BANK SLOPER 260-475 HP	9,464	1.98	2.50	0.57	1.13	0.00	1.33	0.00	28
	CATERPILLAR									
6020	D-10 MULTI-SHANK BEAM	50,113	12.39	16.69	3.32	7.06	0.00	8.80	0.00	218
6025	D-10 SHANKS EA	3,646	0.88	1.20	0.24	0.51	0.00	0.64	0.00	15
6030	D-10 SINGLE-SHANK BEAM	53,154	13.12	17.67	3.52	7.49	0.00	9.33	0.00	209
6035	D-9L MULTI-SHANK BEAM W/HYD-CONTROL	42,285	10.43	14.06	2.80	5.96	0.00	7.43	0.00	162
6040	D-9L SHANKS EA	3,281	0.80	1.08	0.22	0.47	0.00	0.58	0.00	14

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	RIPPER & HYDR BANK SLOPER (CONT'D) ********** (DOES NOT INCLUDE COST OF POINT WEAR)									
	CATERPILLAR (CONT'D)									
6045	D-9L SINGLE-SHANK BEAM HYD-CNTL&SHANK	39,404	9.73	13.11	2.61	5.55	0.00	6.92	0.00	156
6050	D-8L MULTI-SHANK BEAM HYD-CONTROL	28,432	7.00	9.44	1.88	4.00	0.00	4.99	0.00	98
6055	D-8L SHANKS EA	1,837	0.45	0.60	0.13	0.26	0.00	0.32	0.00	7
6060	D-8L SINGLE-SHANK BEAM HYD-CNTL&SHANK	27,693	6.82	9.20	1.83	3.90	0.00	4.86	0.00	101
6065	D-7G MULTI-SHANK BEAM HYD-CONTROL	15,911	3.94	5.30	1.06	2.24	0.00	2.79	0.00	57
6070	D-7G SHANKS EA	943	0.23	0.31	0.06	0.13	0.00	0.17	0.00	3
6075	D-6D MULTI-SHANK BEAM HYD-CONTROL	9,942	2.49	3.35	0.66	1.40	0.00	1.75	0.00	34
6080	D-6D SHANKS EA	478	0.12	0.15	0.03	0.07	0.00	0.08	0.00	1
6085	D-4E MULTI-SHANK BEAM HYD-CONTROL	6,145	1.57	2.10	0.40	0.86	0.00	1.08	0.00	22
6090	D-4E SHANKS EA	261	0.07	0.08	0.02	0.04	0.00	0.04	0.00	1
6095	D-3B FIVE-SHANK BEAM HYD-CONTROL	2,705	0.74	0.97	0.18	0.38	0.00	0.48	0.00	7
6100	D-3B SHANKS EA	147	0.03	0.05	0.01	0.02	0.00	0.03	0.00	1
	FIAT-ALLIS									
6110	FD-50 W/HYD-CNTL AND 1 SHANK	55,813	13.83	18.62	3.70	7.86	0.00	9.80	0.00	280
6115	FD-40 W/HYD-CNTL AND 2 SHANKS	43,502	10.77	14.49	2.88	6.13	0.00	7.64	0.00	200
6120	FD-30 W/HYD-CNTL AND 2 SHANKS	32,268	7.93	10.71	2.13	4.54	0.00	5.67	0.00	108
6125	RP20B W/HYD-CNTL AND 3 SHANKS	19,315	4.78	6.43	1.28	2.72	0.00	3.39	0.00	88
	ROLLER, RUBBER TIRED, SELF-PROPELLED **********									
	FERGUSON									
6135	MOD SP-912 12 TON 85 HP D	38,281	11.55		2.28	4.46	2.91			99
6140	MOD SP-915 15 TON 85 HP D	42,491	12.42		2.54	4.97	2.91			135
6145	MOD SP-1118 18 TON 85 HP D	49,061	13.79		2.92	5.72	2.91			124
6150	MOD SP-1130 30 TON 125 HP D	78,801	21.71		4.68	9.13	4.27			242

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-SHIP	FUEL	OWNER-SHIP	FUEL	
	ROLLER, R/T,SELF-PROPELLED (CONT'D) **********												
	INGRAM												
6160	9-2800-P	12 TON	76 HP	D	33,369	10.15		1.98	3.87	2.60			73
6165	9-2800-PA	12 TON	76 HP	D	35,946	10.69		2.14	4.18	2.60			86
6170	9-3400-P	15 TON	78 HP	D	36,857	10.96		2.20	4.29	2.67			97
6175	11-2700	15 TON	107 HP	G	35,487	17.47		2.11	4.10	8.12			89
6180	11-2700	15 TON	76 HP	D	39,452	11.43		2.34	4.57	2.60			91
6185	13-2300	15 TON	107 HP	G	37,042	17.80		2.19	4.26	8.12			86
6190	13-2300	15 TON	76 HP	D	41,037	11.78		2.44	4.75	2.60			90
6195	9-6000	27 TON	117 HP	D	89,860	23.68		5.34	10.40	4.00			205
	TAMPO												
6205	SP-312	12 TON	68 HP	D	36,283	10.42		2.16	4.22	2.33			66
6210	SP-518	15 TON	68 HP	D	45,079	12.21		2.69	5.28	2.33			95
6215	SP-950	27 TON	130 HP	D	93,004	24.84		5.54	10.81	4.45			198
6220	SP-1070 M	35 TON	130 HP	D	111,957	29.29		6.56	12.58	4.45			258
	ROLLER, RUBBER TIRED, TOWED **********												
	FERGUSON												
6230	RT-100S	50 TON			62,253	12.68		3.43	6.12	0.00			200
6235	RT-120S	60 TON			73,269	15.55		4.24	8.01	0.00			218
	SOUTHWEST												
6245	C 50	50 TON			75,181	15.49		4.22	7.72	0.00			344
6250	C 75	75 TON			84,470	17.36		4.68	8.42	0.00			408
6255	C 100XL	100 TON			114,486	23.71		6.49	12.00	0.00			601
	TAMPO												
6265	R-13	14 TON			9,360	2.04		0.53	0.97	0.00			35

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, SHEEPSFOOT,DOUBLE DRUM,TOWED **********									
	FERGUSON									
6275	MOD 112 40"X48" 3-7 TON	13,358	2.86		0.80	1.59	0.00			65
6280	MOD 112W 40"X48" 4.5-8 TON	17,051	3.62		1.03	2.03	0.00			91
6285	MOD 112W-48 48"X48" 5-10 TON	17,662	3.75		1.07	2.11	0.00			105
6290	MOD 120 60"X60" 8-18 TON	26,446	5.54		1.59	3.15	0.00			157
6295	MOD 120 MOD 60"X60" 8-18 TON	40,376	8.39		2.43	4.81	0.00			230
6300	MOD 120-RE 60"X60" 16-20 TON	59,989	12.42		3.62	7.16	0.00			327
6305	MOD 22 60"X72" 16-20 TON	39,807	8.29		2.40	4.75	0.00			215
6310	MOD 22 MOD 60"X72" 16-20 TON	46,309	9.61		2.79	5.52	0.00			269
6315	MOD 144-RE 60"X72" 19-24 TON	70,612	14.59		4.26	8.42	0.00			385
	TAMPO									
6325	H-1 TF 40"X48" 2.6TON	5,933	1.36		0.36	0.71	0.00			32
6330	H-2 TF 40"X48" 5 TON	11,984	2.59		0.73	1.43	0.00			63
	ROLLER, SHEEPSFOOT,DD,SELF-PROPELLED **********									
	CATERPILLAR									
6340	815 B 40.5"X38" 210 HP D	151,176	39.86		9.11	18.03	7.18			419
6345	825C 51"X44" 310 HP D	226,911	59.59		13.67	27.05	10.60			633
6350	825C W/S BLADE 310 HP D	239,958	62.27		14.46	28.61	10.60			684
	HYSTER									
6360	C455-B TANDEM 80"X80" ARTIC 330 HP D	246,374	64.44		14.84	29.37	11.29			573

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	ROLLER, SMOOTH WHEEL, SELF-PROPELLED **********									
	FERGUSON									
6370	3-5 TON TANDEM 52 HP D	25,829	7.50		1.56	3.08	1.78			77
6375	4-6 TON TANDEM 52 HP D	30,850	8.53		1.86	3.68	1.78			96
6380	5-8 TON TANDEM 85 HP D	47,044	13.24		2.84	5.61	2.91			136
6385	8-10 TON TANDEM 85 HP D	49,429	13.74		2.98	5.90	2.91			174
6390	8-12 TON TANDEM 85 HP D	51,589	14.17		3.11	6.15	2.91			176
6395	10-14 TON TANDEM 85 HP D	54,051	14.67		3.25	6.44	2.91			219
	INGRAM									
6405	12 TON EB 3 WHEEL 3" OVERLAP 107 HP G	51,805	20.67		3.12	6.17	8.12			194
6410	12 TON EB 3 WHEEL 3" OVERLAP 85 HP D	55,491	14.97		3.34	6.61	2.91			196
6415	14 TON EB 3 WHEEL 3" OVERLAP 107 HP G	55,073	21.35		3.32	6.57	8.12			221
6420	14 TON EB 3 WHEEL 3" OVERLAP 85 HP D	58,759	15.64		3.55	7.01	2.91			223
6425	4-6 TON FB 2 WHEEL TANDEM 54 HP G	25,330	10.27		1.53	3.02	4.10			82
6430	6-9 TON GB 2 WHEEL TANDEM 107 HP G	34,542	17.14		2.08	4.12	8.12			133
6435	6-9 TON GB 2 WHEEL TANDEM 85 HP D	38,228	11.44		2.30	4.56	2.91			135
6440	8-12 TON HB 2 WHEEL TANDEM 107 HP G	41,976	18.66		2.53	5.00	8.12			171
6445	8-12 TON HB 2 WHEEL TANDEM 85 HP D	45,662	12.95		2.75	5.44	2.91			173
6450	10-14 TON HB 2 WHEEL TANDEM 107 HP G	45,431	19.36		2.73	5.41	8.12			203
6455	10-14 TON HB 2 WHEEL TANDEM 85 HP D	49,118	13.66		2.96	5.85	2.91			205

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, VIBRATORY, SINGLE DRUM, TOWED									
	**********									
	TF=ROLLER W/TAMPING FEET									
	VIBRATION FREQUENCY IN HERTZ									
	DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
6465	CK-11 40HZ 30"X55" 5 TON 18 HP G	12,637	5.94		0.84	1.77	1.88			31
6470	CF-11 40HZ TF 30"X55" 5 TON 18 HP G	15,423	6.70		1.02	2.16	1.88			32
6475	CH-47 27HZ 47"X74" 13 TON 43 HP D	37,258	12.90		2.47	5.21	2.05			130
6480	CF-47 27HZ TF 47"X74" 13 TON 43 HP D	36,229	12.62		2.40	5.07	2.05			135
6485	CK-51 25HZ 59"X83" 24 TON 95 HP D	50,876	19.89		3.36	7.11	4.53			221
6490	CF-51 25HZ TF 59"X83" 24 TON 95 HP D	53,599	20.64		3.55	7.50	4.53			226
	FERGUSON									
6500	65 25HZ TF 60"X72" 11 TON 49 HP D	35,416	12.77		2.34	4.95	2.34			110
6505	65T 30HZ TF 44"X72" 11 TON 49 HP D	38,566	13.63		2.55	5.39	2.34			127
6510	230 25HZ 66"X78" 20 TON 77 HP D	62,320	21.89		4.12	8.71	3.67			237
6515	230T 25HZ TF 66"X78" 21 TON 77 HP D	67,796	23.39		4.49	9.48	3.67			268
	HYSTER									
6525	C200B 30HZ 48"X60" 9 TON 39 HP D	30,563	10.81		2.02	4.27	1.86			80
6530	C210A 30HZ TF 58"X60" 9 TON 39 HP D	36,157	12.34		2.39	5.05	1.86			100
	RAYGO									
6540	SF-54A TF 38HZ 30"X54" 7.5TON 30 HP D	18,257	6.88		1.21	2.55	1.43			48
6545	SM-54A 38HZ 30"X54" 7.5TON 30 HP D	16,597	6.43		1.10	2.32	1.43			48
	SOUTHWEST									
6555	756 25HZ TF 66"X78"23.5TON 75 HP D	76,797	25.72		5.08	10.74	3.58			240
6560	566 33HZ TF 56"X72"25.5TON 50 HP D	58,595	19.17		3.88	8.20	2.38			165

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER,VIB,SINGLE DRUM,SELF-PROPELLED ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
6575	CA-15 29HZ 48"X66" 11 TON 73 HP D	58,668	20.67		3.87	8.14	3.48			132
6580	CA-15A 42HZ 48"X66" 12 TON 85 HP D	67,454	23.93		4.39	9.15	4.05			144
6585	CA-15PD 29HZ TF 53"X66" 13 TON 85 HP D	75,399	26.00		4.97	10.48	4.05			157
6590	CA-25A 40HZ 60"X84" 18 TON 125 HP D	87,927	32.04		5.75	12.05	5.96			200
6595	CA-25 28HZ 60"X84" 18 TON 125 HP D	80,774	30.08		5.29	11.09	5.96			200
6600	CA-25S 28HZ 61"X84" 22 TON 125 HP D	85,488	31.36		5.60	11.74	5.96			225
6605	CA-25PD 28HZ 68"X84" 22 TON 125 HP D	97,176	34.56		6.38	13.38	5.96			248
6610	CA-30 28HZ 61"X84" 22 TON 125 HP D	89,539	32.47		5.87	12.31	5.96			242
6615	CA-30D 28HZ 61"X84" 22 TON 125 HP D	96,897	34.48		6.36	13.34	5.96			252
	FERGUSON									
6625	SP 266A 42HZ 48"X66" 15 TON 125 HP D	82,926	30.55		5.49	11.60	5.96			225
6630	SP 75 30HZ 60"X84" 22.5 TON 85 HP D	68,439	24.17		4.47	9.35	4.05			191
6635	SP 75D 30HZ 60"X84" 22.5 TON 120 HP D	72,564	27.51		4.75	9.94	5.72			193
6640	SP 75DT 30HZ TF 60"X84" 22.5 TON 120 HP D	82,607	30.25		5.41	11.34	5.72			236
	INGERSOLL RAND									
6650	SPF-56 30HZ TF 56"X84" 21 TON 115 HP D	87,784	31.37		5.76	12.07	5.49			222
6655	SP-60DD 25HZ 60"X100" 30 TON 203 HP D	129,510	48.37		8.48	17.78	9.68			377
	RAYGO									
6665	RASCAL 220A 30HZ TF38"X48" 6 TON 70 HP D	55,833	19.69		3.68	7.77	3.34			97
6670	RASCAL 303A 38HZ 48"X66" 8 TON 70 HP D	56,029	19.76		3.69	7.76	3.34			137
6675	RASCAL 320A 25HZ TF48"X60" 8 TON 80 HP D	74,465	25.43		4.91	10.35	3.82			151
6680	RASCAL 320S 25HZ 48"X60" 8 TON 80 HP D	62,702	22.22		4.13	8.70	3.82			144
6685	RUSTLER 304A 28HZ 48"X66" 8 TON 70 HP D	61,332	21.32		3.99	8.30	3.34			130
6690	RUSTLER 404B 28HZ 59"X84"13.5TON 88 HP D	84,135	28.64		5.52	11.59	4.20			175

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, VIBRATORY,SD,S/P (CONT'D) ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	RAYGO (CONT'D)									
6695	RASCAL 420C 25HZ TF60"X84" 16 TON 119 HP D	92,987	33.02		6.10	12.81	5.68			225
6700	RASCAL 4000 25HZ 60"X84" 20 TON 125 HP D	78,469	29.44		5.14	10.76	5.96			224
6705	RASCAL 510A 25HZ 60"X80"22.5TON 119 HP D	109,253	37.50		7.16	15.03	5.68			358
6710	RASCAL 600A 25HZ 60"X100"22.5TON 119 HP D	95,030	33.62		6.23	13.05	5.68			316
6715	RASCAL 450A 28HZ 59"X84"28.5TON 125 HP D	85,881	31.52		5.60	11.70	5.96			263
	TAMPO									
6725	RS-16A 26HZ 48'X24" 7.5TON 68 HP D	59,993	20.82		3.90	8.11	3.24			124
6730	RS-16 26HZ 48"X24" 8 TON 68 HP D	52,549	18.68		3.46	7.28	3.24			115
6735	RS-16D 26HZ 48"X24" 8 TON 80 HP D	63,754	22.51		4.20	8.85	3.82			123
6740	RH-16A 26HZ 48"X24" 9 TON 75 HP D	70,128	24.04		4.57	9.53	3.58			153
6745	RP-16D 26HZ TF 48"X24" 9 TON 80 HP D	70,092	24.23		4.62	9.73	3.82			127
6750	RP-28D 25HZ TF 63"X84" 15 TON 110 HP D	91,761	32.13		6.01	12.62	5.25			212
6755	RS-28C 25HZ 60"X84" 15 TON 107 HP D	76,496	27.77		5.01	10.49	5.10			202
6760	RS-28D 25HZ 60"X84" 15 TON 107 HP D	82,623	29.43		5.41	11.34	5.10			208
6765	RH-28D 28HZ 60"X84"22.5TON 110 HP D	105,090	35.79		6.90	14.49	5.25			259
	ROLLER,VIB,DOUBLE DRUM,SELF-PROPELLED ********** TF=ROLLER W/TAMPING FEET VIBRATION FREQUENCY IN HERTZ DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC									
6775	LR-50 60HZ TANDEM 2 TON 16 HP D	10,820	3.96		0.72	1.51	0.76			25
6780	CC-10 50HZ TANDEM 2 TON 34 HP D	28,467	9.92		1.88	3.98	1.62			50
6785	CC-21 50HZ TANDEM 4 TON 71 HP D	67,289	22.87		4.45	9.41	3.39			137
6790	CC-42II 42HZ TANDEM 12 TON 125 HP D	90,489	32.61		5.98	12.65	5.96			200
6795	CC-50A 40HZ TANDEM 18 TON 155 HP D	109,191	39.62		7.22	15.27	7.39			310

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	ROLLER, VIBRATORY,DD,S/P (CONT'D)									
	**********									
	TF=ROLLER W/TAMPING FEET									
	VIBRATION FREQUENCY IN HERTZ									
	DYNAMIC FORCE SHOWN IN TONS									
	DYNAPAC (CONT'D)									
6800	CC-50S 28HZ TANDEM 22 TON 181 HP D	131,753	47.42		8.72	18.43	8.63			342
6805	CC-50PD 28HZ TF TANDEM 22 TON 181 HP D	149,978	52.40		9.92	20.97	8.63			419
	RAYGO									
6815	REBEL 1-36 40HZ TANDEM 2 TON 16 HP D	10,883	3.97		0.72	1.52	0.76			23
6820	ROMPER 2-36 40HZ TANDEM 4 TON 35 HP D	24,208	8.82		1.61	3.39	1.67			40
6825	RUSTLER 5604A 50HZ TANDEM 5.5TON 70 HP D	64,970	22.18		4.30	9.09	3.34			132
6830	RUSTLER 7204A 38HZ TANDEM 8 TON 115 HP D	86,580	30.93		5.73	12.11	5.49			250
6835	RANGER 2-66 38HZ TANDEM 8 TON 119 HP D	109,743	37.51		7.26	15.35	5.68			215
	TAMPO									
6845	RS-03 60HZ 36"X24" 2 TON 14 HP G	10,667	4.86		0.70	1.49	1.47			23
6850	RS-144A 50HZ 42"X48" 8 TON 52 HP D	55,072	18.33		3.64	7.70	2.48			100
6855	RS-166A 36HZ 48"X66" 16 TON 80 HP D	86,407	28.67		5.71	12.08	3.82			200
6860	RS-188A 36HZ 60"X84" 30 TON 156 HP D	107,183	39.12		7.08	14.98	7.44			320
6865	RH-199 25HZ 60"X96" 45 TON 262 HP D	189,325	68.28		12.52	26.48	12.50			491
	SCRAPERS, SELF-PROPELLED									
	**********									
	(CAPACITY AS RECOMMENDED BY MFGR									
	HP & FUEL LISTED TRACTOR/SCRAPER									
	PP = PUSH PULL ATTACHMENT)									
	CATERPILLAR									
6875	613-B 13 T 11 CY P.S. 150 HP D	126,552	34.28	44.18	7.45	14.43	5.26	16.88	6.88	307
6880	615 19 T 14-16 CY P.S. 250 HP D	202,833	54.43	70.83	11.85	23.58	8.77	27.70	11.47	525
6885	621-B 24 T 14-20 CY P.S. 330 HP D	250,481	65.55	85.50	14.63	29.09	10.39	34.16	13.66	662
6890	623-B 25 T 22 CY P.S. 330 HP D	277,877	73.57	95.48	16.28	32.47	11.58	38.15	15.15	718
6895	627-B 24 T 14-20 CY P.S. 225/225 HP D/D	291,906	81.81	107.20	17.17	34.37	14.98	40.40	19.44	733
6900	627-B PP 24 T 14-20 CY P.S. 225/225 HP D/D	309,889	85.25	111.46	18.25	36.59	14.98	43.02	19.44	772

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	SCRAPERS, SELF-PROPELLED (CONT'D) ********** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	CATERPILLAR (CONT'D)									
6905	631-D 37.5T 21-31 CY P.S. 450 HP D	383,459	97.11	126.14	22.47	44.85	14.17	52.70	18.63	934
6910	633-D 37.5T 34 CY P.S. 450 HP D	436,706	111.30	143.77	25.68	51.43	15.79	60.46	20.65	1042
6915	637-D 37.5T 21-31 CY P.S. 450/250 HP D/D	470,433	129.92	169.73	27.72	55.60	23.31	65.37	30.24	1053
6920	637-D PP 37.5T 21-31 CY P.S. 450/250 HP D/D	490,703	133.79	174.53	28.93	58.10	23.31	68.32	30.24	1077
6925	639-D 37.5T 24-34 CY P.S. 450/250 HP D/D	540,469	146.23	191.92	31.76	63.55	23.31	74.70	30.24	1223
6930	651-B 52 T 32-44 CY P.S. 550 HP D	492,700	124.10	161.47	28.83	57.45	17.32	67.50	22.77	1230
6935	657-B 52 T 32-44 CY P.S. 550/400 HP D/D	606,977	170.27	222.87	35.71	71.56	31.63	84.13	41.04	1516
	FIAT-ALLIS									
6950	161 18.7 T 15 CY P.S. 229 HP D	175,526	47.18	61.10	10.30	20.59	8.04	24.20	10.51	466
6955	260B 25.0 T 15-21 CY P.S. 325 HP D	236,675	61.95	80.53	13.87	27.67	10.24	32.51	13.45	585
6960	261B 26.5 T 23 CY P.S. 325 HP D	265,589	72.27	94.69	15.42	30.48	11.41	35.77	14.92	635
6965	262B 25.0 T 15-21 CY P.S. 325/171 HP D/D	280,261	81.51	106.96	16.46	32.93	16.52	38.71	21.43	679
6970	263-B 26.5 T 23 CY P.S. 325/171 HP D/D	334,175	91.37	118.86	19.73	39.69	16.52	46.68	21.43	742
	INTERNATIONAL									
6980	412B 13 T 11 CY P.S. 125 HP D	125,101	32.52	41.76	7.38	14.35	4.39	16.79	5.74	335
6985	431B 24 T 14-21 CY P.S. 326 HP D	248,249	64.49	83.88	14.54	28.98	10.27	34.04	13.50	609
6990	433B 24 T 14-21 CY P.S. 326/185 HP D/D	291,128	84.22	110.34	17.12	34.27	17.02	40.28	22.08	700
6995	442B 25 T 22 CY P.S. 326 HP D	277,474	72.82	94.25	16.29	32.58	11.44	38.30	14.96	680
	JOHN DEERE									
7005	JD762A 13.7 T 11 CY P.S. 175 HP D	132,414	36.42	46.76	7.83	15.22	6.14	17.82	8.03	355
7010	JD862 20.0 T 16 CY P.S. 250 HP D	179,417	48.90	63.29	10.53	21.07	8.77	24.77	11.47	492

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	SCRAPERS, SELF-PROPELLED (CONT'D) ********** (CAPACITY AS RECOMMENDED BY MFGR HP & FUEL LISTED TRACTOR/SCRAPER PP = PUSH PULL ATTACHMENT)									
	TEREX (GM)									
7020	S-23E 26.5T 23 CY P.S. 310 HP D	260,712	68.89	89.31	15.29	30.52	10.88	35.86	14.23	660
7025	S-24B 40.8T 24-34 CY P.S. 475 HP D	414,164	104.93	136.58	24.22	48.26	14.96	56.70	19.66	955
7030	TS-14B 23.5T 14-20 CY P.S. 144/144 HP D/D	266,582	69.27	90.65	15.70	31.46	9.59	36.98	12.44	544
7035	TS-24 40 T 24-32 CY P.S. 394/225 HP D/D	450,576	122.41	160.04	26.53	53.21	20.61	62.57	26.74	960
7040	TS-24B 40.8T 24-34 CY P.S. 475/242 HP D/D	530,239	143.67	187.88	31.22	62.60	23.88	73.60	30.97	1084
	SCRAPER, TRACTOR DRAWN **********									
	ROME									
7055	ROME 18T 12-17CY HYDR/CONTROL	76,315	13.92	16.68	4.16	7.80	0.00	8.82	0.00	235
7060	ROME 27T 18-26CY HYDR/CONTROL	100,626	18.67	22.48	5.41	10.02	0.00	11.33	0.00	365
	SOUTHWEST-HUME									
7070	SOUTHWEST DS18 DRAG SCRAPER 8.8 CY	39,088	7.23	8.69	2.10	3.90	0.00	4.41	0.00	137
	SOIL STABILIZER **********									
	BOMAG									
7080	MOD MPH-50 12"DEEP BY 82"WIDE 152 HP D	95,193	26.26	33.97	5.69	11.22	5.34	13.15	6.98	208
7085	MOD MPH-100 14.5"DEEP X 79"WIDE 304 HP D	149,171	44.39	57.62	8.91	17.50	10.67	20.51	13.95	300
	BROS									
7095	MOD LSPRM-8A 19"DEEP X 99.75"WIDE 318 HP D	135,069	41.31	53.16	8.11	16.04	11.16	18.81	14.60	300

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

UNIT NO.	EQUIPMENT			VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER) **********											
	CATERPILLAR											
7105	D-3B	P.S.	65 HP D	39,865	12.36	15.81	2.40	4.63	2.40	5.41	3.16	130
7110	3P	POWER ANGLE & POWER TILT		8,027	1.69	2.13	0.48	0.96	0.00	1.13	0.00	24
7115	D-4E	P.S.	80 HP D	55,597	16.71	21.34	3.36	6.46	2.95	7.55	3.89	184
7120	4A	ANGLE BLADE HYDRAULIC		10,619	2.23	2.80	0.64	1.28	0.00	1.50	0.00	28
7125	4S	STRAIGHT BLADE HYDRAULIC		8,090	1.71	2.14	0.49	0.97	0.00	1.13	0.00	25
7130	D-5B	P.S.	105 HP D	81,792	23.94	30.55	4.93	9.50	3.87	11.10	5.10	234
7135	5A	ANGLE BLADE HYDRAULIC		13,293	2.76	3.48	0.81	1.60	0.00	1.87	0.00	43
7140	5S	STRAIGHT BLADE HYDRAULIC		10,482	2.19	2.75	0.63	1.25	0.00	1.47	0.00	36
7145	D-6D	P.S.	140 HP D	110,557	32.28	41.17	6.67	12.85	5.17	15.01	6.80	283
7150	6S	STRAIGHT BLADE HYDRAULIC		13,587	2.82	3.55	0.82	1.63	0.00	1.91	0.00	49
7155	6A	ANGLE BLADE HYDRAULIC		15,284	3.17	3.98	0.93	1.84	0.00	2.15	0.00	53
7160	D-7G	P.S.	200 HP D	160,435	46.67	59.53	9.67	18.63	7.38	21.77	9.72	378
7165	7S	STRAIGHT BLADE HYDRAULIC		21,060	4.33	5.47	1.27	2.53	0.00	2.97	0.00	77
7170	7U	HYD. UNIVERSAL BLADE		23,073	4.73	5.98	1.39	2.77	0.00	3.25	0.00	84
7175	7A	ANGLE BLADE HYDRAULIC		18,382	3.78	4.78	1.11	2.20	0.00	2.59	0.00	68
7180	D-8L	P.S.	335 HP D	250,330	69.78	89.28	15.08	30.98	12.36	36.53	16.28	735
7185	8S	STRAIGHT BLADE HYDRAULIC		30,803	6.32	7.99	1.85	3.69	0.00	4.34	0.00	120
7190	8U	HYD. UNIVERSAL BLADE		33,957	6.97	8.81	2.05	4.07	0.00	4.78	0.00	133
7195	8A	ANGLE BLADE HYDRAULIC		31,003	6.38	8.05	1.87	3.72	0.00	4.36	0.00	133
7200		PUSH PLATE USE W/8S		920	0.24	0.29	0.06	0.11	0.00	0.13	0.00	6
7205	D-9L	P.S.	460 HP D	334,665	83.10	103.28	18.75	36.46	16.97	41.42	22.36	1004
7210	9S	STRAIGHT BLADE HYDRAULIC		42,736	8.79	11.10	2.57	5.12	0.00	6.02	0.00	184
7215	9U	HYD. UNIVERSAL BLADE		45,166	9.29	11.73	2.72	5.42	0.00	6.36	0.00	195
7220	9C	CUSHION BLADE		37,624	7.75	9.77	2.27	4.52	0.00	5.29	0.00	160
7225		REAR CUSHION PUSH BLOCK		11,069	2.35	2.95	0.67	1.33	0.00	1.56	0.00	41
7230		FRONT PUSH PLATE		1,240	0.33	0.39	0.08	0.15	0.00	0.17	0.00	9
7235	D-10	P.S.	700 HP D	560,614	135.99	168.74	31.40	61.08	25.83	69.39	34.02	1526

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D) **********									
	CATERPILLAR (CONT'D)									
7240	10S STRAIGHT BLADE HYDRAULIC	64,740	13.32	16.83	3.90	7.76	0.00	9.12	0.00	280
7245	10U HYD. UNIVERSAL BLADE	70,983	14.59	18.42	4.27	8.51	0.00	9.99	0.00	286
7250	FRONT PUSH PLATE	1,412	0.37	0.44	0.09	0.17	0.00	0.20	0.00	8
7255	10C CUSHION BLADE	48,021	9.88	12.47	2.90	5.76	0.00	6.76	0.00	198
	FIAT-ALLIS									
7265	FD5 P.S. W/HYD. ANGLE TILT BLADE 63 HP D	45,209	13.48	17.21	2.72	5.25	2.32	6.13	3.06	140
7270	FD7 P.S. W/POW. ANGLE TILT BLADE 78 HP D	53,396	16.11	20.56	3.22	6.20	2.88	7.24	3.79	175
7275	8-B P.S. 88 HP D	59,984	18.12	23.14	3.62	6.97	3.25	8.14	4.28	215
7280	8-HA ANGLE BLADE HYDRAULIC	9,287	1.95	2.45	0.56	1.11	0.00	1.30	0.00	30
7285	8-HSU SEMI-U BLADE HYDRAULIC	9,275	1.92	2.41	0.56	1.11	0.00	1.30	0.00	30
7290	10-C P.S. 122 HP D	82,918	25.05	31.99	5.00	9.63	4.50	11.25	5.93	280
7295	10-HA ANGLE BLADE HYDRAULIC	10,362	2.17	2.73	0.63	1.24	0.00	1.46	0.00	36
7300	10-HSU SEMI-U BLADE HYDRAULIC	12,626	2.60	3.28	0.76	1.52	0.00	1.78	0.00	38
7305	14-C P.S. 150 HP D	107,193	32.00	40.85	6.47	12.46	5.53	14.54	7.29	335
7310	14-HA ANGLE BLADE HYDRAULIC	15,829	3.27	4.13	0.96	1.90	0.00	2.23	0.00	51
7315	14-HSU SEMI-U BLADE HYDRAULIC	15,805	3.24	4.08	0.96	1.90	0.00	2.22	0.00	51
7320	FD 20 P.S. 223 HP D	161,789	48.13	61.45	9.75	18.79	8.23	21.96	10.84	535
7325	20-HA ANGLE BLADE HYDRAULIC	16,951	3.49	4.41	1.02	2.03	0.00	2.39	0.00	66
7330	20-HS STRAIGHT BLADE HYDRAULIC	17,774	3.66	4.62	1.07	2.13	0.00	2.50	0.00	66
7335	20-HSU SEMI-U BLADE HYDRAULIC	24,035	4.89	6.19	1.45	2.88	0.00	3.38	0.00	79
7340	FD 30 P.S. 300 HP D	248,026	67.63	86.48	14.94	30.70	11.07	36.20	14.58	775
7345	30HSU HYD. SEMI-UNIVERSAL BLADE	33,619	6.90	8.72	2.03	4.04	0.00	4.74	0.00	127
7350	30-HU FULL-U BLADE HYDRAULIC	33,992	6.95	8.78	2.05	4.08	0.00	4.78	0.00	114
7355	FD40 P.S. 455 HP D	357,771	87.16	108.17	20.04	38.98	16.79	44.27	22.11	1128
7360	40-HSU SEMI-U BLADE HYDRAULIC	51,094	10.52	13.27	3.08	6.13	0.00	7.19	0.00	222
7365	40-HU FULL-U BLADE HYDRAULIC	52,391	10.80	13.63	3.15	6.28	0.00	7.37	0.00	254

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D) **********									
	FIAT-ALLIS (CONT'D)									
7370	40-HC CUSHION BLADE	32,482	6.67	8.42	1.96	3.90	0.00	4.57	0.00	120
7375	FD 50 P.S. 525 HP D	480,166	113.06	140.02	26.90	52.32	19.37	59.42	25.51	1280
7380	50-HSU SEMI-U BLADE HYDRAULIC	58,676	12.09	15.25	3.54	7.04	0.00	8.26	0.00	250
7385	50-HU FULL-U BLADE HYDRAULIC	67,113	13.78	17.40	4.05	8.05	0.00	9.45	0.00	280
7390	50-HC CUSHION BLADE	37,405	7.66	9.68	2.26	4.49	0.00	5.27	0.00	140
	INTERNATIONAL									
7400	TD-7-E P.S. W/HYD BLADE 65 HP D	49,827	14.64	18.68	3.01	5.79	2.40	6.76	3.16	139
7405	TD-8-E P.S. W/HYD BLADE 78 HP D	62,467	18.18	23.19	3.76	7.25	2.88	8.48	3.79	172
7410	TD-12 P.S. W/HYD BLADE 110 HP D	91,286	26.36	33.61	5.50	10.60	4.06	12.38	5.35	267
7415	TD-15-C P.S. 140 HP D	118,300	34.04	43.40	7.13	13.74	5.17	16.05	6.80	271
7420	15D-2 HYD. SEMI-UNIVERSAL BLADE	12,947	2.66	3.36	0.78	1.55	0.00	1.82	0.00	46
7425	15G-2 ANGLE BLADE HYDRAULIC	14,584	2.99	3.77	0.88	1.75	0.00	2.05	0.00	50
7430	TD-20-E P.S. 210 HP D	182,005	52.10	66.42	10.97	21.14	7.75	24.70	10.21	476
7435	20D-2 HYD. SEMI-UNIVERSAL BLADE	22,748	4.64	5.86	1.37	2.73	0.00	3.20	0.00	61
7440	20G-2 ANGLE BLADE HYDRAULIC	15,600	3.19	4.03	0.94	1.87	0.00	2.19	0.00	71
7445	TD-25-E P.S. 310 HP D	233,919	65.06	83.26	14.09	28.95	11.44	34.15	15.07	700
7450	25D-2 HYD. SEMI-UNIVERSAL BLADE	28,310	5.80	7.34	1.70	3.39	0.00	3.99	0.00	113
7455	25G-2 ANGLE BLADE HYDRAULIC	23,547	4.86	6.13	1.42	2.82	0.00	3.31	0.00	115
7460	FRONT PUSHER CUSHION	9,744	2.04	2.57	0.59	1.17	0.00	1.37	0.00	29
7465	REAR PUSHER CUSHION	5,709	1.28	1.59	0.34	0.68	0.00	0.81	0.00	23
7470	FRONT PUSH BLK FOR S/BLD	957	0.28	0.33	0.06	0.12	0.00	0.14	0.00	12
	JOHN DEERE									
7480	JD350C/6305 D.D. W/HYD BLADE 42 HP D	34,609	10.01	12.75	2.09	4.02	1.55	4.69	2.04	107
7485	JD450C/6405 D.D. W/HYD BLADE 65 HP D	48,897	14.43	18.41	2.95	5.68	2.40	6.63	3.16	143
7490	JD550/6405 P.S. W/HYD BLADE 72 HP D	58,475	16.98	21.64	3.53	6.80	2.66	7.94	3.50	156
7495	JD750 LPG H.S. W/STR BLADE 110 HP D	108,227	30.23	38.52	6.53	12.57	4.06	14.69	5.35	336

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D) **********									
	JOHN DEERE (CONT'D)									
7500	JD850 LPG H.S. W/STR BLADE 145 HP D	142,792	39.89	50.81	8.61	16.59	5.35	19.38	7.05	449
	KOMATSU									
7510	D31A-17 H.S. 66 HP D	41,032	12.69	16.21	2.48	4.77	2.44	5.57	3.21	132
7515	ANGLE TILTDOZER BLADE	6,637	1.39	1.74	0.40	0.80	0.00	0.93	0.00	20
7520	D45A-1 H.S. 90 HP D	61,584	18.59	23.72	3.72	7.16	3.32	8.36	4.37	200
7525	ANGLE TILTDOZER BLADE	4,822	1.01	1.28	0.29	0.57	0.00	0.68	0.00	24
7530	D53A-16A H.S. 118 HP D	89,600	26.38	33.65	5.40	10.41	4.35	12.15	5.73	246
7535	ANGLE TILTDOZER BLADE	8,047	1.67	2.10	0.48	0.96	0.00	1.13	0.00	42
7540	D65E-6 H.S. 155 HP D	126,231	36.60	46.68	7.61	14.66	5.72	17.13	7.53	377
7545	ANGLE TILTDOZER BLADE	10,556	2.18	2.75	0.64	1.27	0.00	1.49	0.00	61
7550	D85A-18 H.S. 220 HP D	158,984	47.34	60.44	9.58	18.47	8.12	21.58	10.69	437
7555	ANGLE TILTDOZER BLADE	16,548	3.42	4.31	1.00	1.99	0.00	2.33	0.00	99
7560	U-DOZER BLADE	17,644	3.65	4.61	1.06	2.11	0.00	2.49	0.00	104
7565	D155A-1 H.S. 320 HP D	226,722	63.99	81.90	13.66	28.06	11.81	33.10	15.55	690
7570	ANGLE TILTDOZER BLADE	22,746	4.73	5.95	1.37	2.73	0.00	3.20	0.00	140
7575	U-DOZER BLADE	23,976	4.98	6.27	1.45	2.88	0.00	3.38	0.00	142
7580	D355A-3 H.S. 410 HP D	304,705	85.05	108.82	18.35	37.71	15.13	44.47	19.93	945
7585	U-DOZER BLADE	30,964	6.44	8.11	1.87	3.71	0.00	4.36	0.00	196
7590	STRAIGHT DOZER BLADE	28,237	5.87	7.40	1.70	3.39	0.00	3.98	0.00	184
7595	D455A-1 H.S. 620 HP D	538,804	128.29	158.99	30.19	58.71	22.88	66.68	30.13	1445
7600	FULL U-DOZER BLADE	72,568	14.87	18.79	4.38	8.71	0.00	10.22	0.00	229
7605	U-DOZER BLADE	68,169	13.95	17.63	4.11	8.18	0.00	9.60	0.00	211
7610	STRAIGHT DOZER BLADE	63,769	13.04	16.49	3.84	7.65	0.00	8.98	0.00	193

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRACTOR, CRAWLER (DOZER) (CONT'D) **********									
	TEREX (GM)									
7620	D700A P.S. (W/O BLADE) 205 HP D	161,956	47.27	60.29	9.77	18.82	7.56	21.97	9.96	409
7625	SEMI-U BLADE HYDRAULIC	16,073	3.29	4.15	0.97	1.93	0.00	2.26	0.00	58
7630	ANGLE BLADE HYDRAULIC	18,032	3.69	4.66	1.09	2.17	0.00	2.54	0.00	69
7635	FULL-U BLADE HYDRAULIC	18,440	3.76	4.76	1.11	2.21	0.00	2.59	0.00	68
7640	D750 P.S. (W/O BLADE) 260 HP D	188,610	52.94	67.75	11.37	23.35	9.59	27.53	12.64	555
7645	SEMI-U BLADE HYDRAULIC	22,796	4.64	5.88	1.37	2.73	0.00	3.21	0.00	91
7650	ANGLE BLADE HYD. W/DUAL TILT	29,892	6.08	7.69	1.81	3.59	0.00	4.21	0.00	118
7655	FULL-U BLADE HYDRAULIC	24,942	5.08	6.42	1.51	3.00	0.00	3.51	0.00	107
7660	D800 P.S. (W/O BLADE) 350 HP D	251,754	70.79	90.61	15.16	31.15	12.91	36.75	17.01	787
7665	SEMI-U BLADE HYDRAULIC	29,777	6.12	7.73	1.79	3.57	0.00	4.19	0.00	118
7670	FULL-U BLADE HYDRAULIC	32,640	6.71	8.47	1.97	3.92	0.00	4.60	0.00	129
7675	CUSHIONED PUSH BLADE	28,526	5.86	7.40	1.72	3.42	0.00	4.02	0.00	113
7680	PUSH PLATE (WELD ON)	1,213	0.30	0.36	0.08	0.15	0.00	0.17	0.00	6
7685	PUSH BLOCK (CUSHION REAR)	7,567	1.64	2.04	0.46	0.91	0.00	1.06	0.00	21
	TRACTOR, WHEEL TYPE (DOZER) **********									
	CATERPILLAR									
7695	814-B ARTICULATED ST BLADE P.S. 210 HP D	160,054	40.13	52.68	9.49	18.50	7.18	21.67	9.45	494
7700	824-C ARTICULATED ST BLADE P.S. 300 HP D	234,732	60.04	80.65	13.78	26.60	10.26	31.09	13.50	624
7705	834-B ARTICULATED ST BLADE P.S. 450 HP D	336,808	85.14	113.64	19.64	37.64	15.39	43.96	20.25	892
	CLARK									
7715	280B ARTICULATED ST BLADE P.S. 302 HP D	256,106	64.21	86.09	15.05	29.08	10.33	34.01	13.59	749
7720	380B ARTICULATED ST BLADE P.S. 572 HP D	433,622	109.56	146.70	25.24	48.28	19.56	56.38	25.74	1253

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

UNIT NO.	EQUIPMENT				VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRACTOR, WHEEL TYPE (FARM) **********												
	JOHN DEERE												
7730	MOD 301 A		43 HP	D	13,892	4.55	6.00	0.82	1.59	1.47	1.87	1.93	38
7735	MOD 302		50 HP	D	15,641	5.18	6.81	0.92	1.80	1.71	2.12	2.25	42
7740	MOD 401 B		62 HP	D	17,670	6.11	8.00	1.05	2.03	2.12	2.37	2.79	45
	TRENCHER, CHAIN **********												
	DITCH WITCH												
7750	MOD C99	6"X24" TRENCH	9 HP	G	3,311	1.58	2.06	0.19	0.38	0.68	0.45	0.89	6
7755	MOD 2200	8"X36" TRENCH	18 HP	G	13,509	4.66	5.97	0.81	1.60	1.37	1.87	1.78	30
7760	MOD 2300	10"X36" TRENCH	28 HP	G	18,728	6.74	8.64	1.13	2.22	2.13	2.60	2.77	33
7765	MOD 6510	12"X54" TRENCH	64 HP	D	34,509	10.23	13.13	2.07	4.06	2.19	4.76	2.88	106
7770	MOD R100	10"X72" TRENCH	105 HP	D	70,347	19.70	25.24	4.20	8.28	3.59	9.72	4.72	17
	VERMEER												
7785	MOD V-430	10"X40" TRENCH	24 HP	D	22,932	5.96	7.61	1.38	2.72	0.82	3.19	1.08	37
7790	MOD M-455	18"X72" TRENCH	44 HP	D	45,124	11.60	14.84	2.70	5.32	1.50	6.25	1.98	82
7795	MOD M-475	18"X72" TRENCH	55 HP	D	49,861	13.11	16.74	2.99	5.90	1.88	6.91	2.47	89
7800	MOD T-6000	24"X96" TRENCH	113 HP	D	79,306	21.84	27.92	4.78	9.50	3.86	11.14	5.08	202
7805	MOD T-800B	36"X96" TRENCH	175 HP	D	155,379	40.76	52.04	9.36	18.60	5.98	21.83	7.87	419
	TRENCHER, WHEEL TYPE **********												
	BARBER-GREENE												
7815	MOD TA 56	16"X5'-10" TRENCH	100 HP	D	128,364	31.72	40.42	7.73	15.36	3.42	18.03	4.50	254
7820	MOD TA 65	28"X7'-6" TRENCH	160 HP	D	186,988	46.83	59.72	11.27	22.38	5.47	26.27	7.20	431
7825	MOD TA 77	32"X8'-6" TRENCH	160 HP	D	237,975	57.68	73.49	14.34	28.48	5.47	33.43	7.20	605

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRENCHER, WHEEL TYPE (CONT'D) **********									
	CLEVELAND									
7835	MOD 236 17"X72" TRENCH 67 HP D	103,049	24.88	31.68	6.21	12.34	2.29	14.48	3.01	180
7840	MOD 236HD 21"X72" TRENCH 67 HP D	112,217	26.83	34.16	6.76	13.43	2.29	15.77	3.01	200
7845	MOD 246 25"X72" TRENCH 67 HP D	115,609	27.56	35.07	6.97	13.84	2.29	16.24	3.01	206
7850	MOD 350 30"X90" TRENCH 150 HP D	217,654	52.93	67.43	13.11	26.05	5.13	30.58	6.75	455
7855	MOD 400WHD36"X114"TRENCH 175 HP D	270,285	65.23	83.07	16.29	32.35	5.98	37.97	7.87	659
	TRUCKS, HIGHWAY ********** (CHASSIS ONLY)									
	FORD									
7870	F150 4X2 1/2T PKUP 6100 GVW 157 HP G	7,616	5.76	7.47	0.56	1.23	2.71	1.42	3.61	38
7875	F150 4X4 1/2T PKUP 6250 GVW 157 HP G	9,412	6.30	8.16	0.70	1.53	2.71	1.76	3.61	42
7880	F250 4X2 3/4T PKUP 6900 GVW 157 HP G	8,102	5.94	7.68	0.59	1.29	2.71	1.48	3.61	40
7885	F250 4X4 3/4T PKUP 7400 GVW 157 HP G	9,770	6.45	8.35	0.71	1.56	2.71	1.80	3.61	44
7890	F350 2AX 10000 GVW 157 HP G	9,230	6.33	8.20	0.67	1.44	2.71	1.66	3.61	42
7895	F600 2AX 18500 GVW 154 HP G	16,621	11.86	15.48	1.06	2.11	6.20	2.61	7.97	65
7900	F600 2AX 18500 GVW 162 HP D	22,838	9.79	12.97	1.47	2.95	3.69	3.64	4.80	65
7905	F700 2AX 24500 GVW 177 HP G	19,167	13.62	17.77	1.23	2.46	7.12	3.03	9.16	65
7910	F700 2AX 24500 GVW 162 HP D	25,798	10.44	13.83	1.67	3.36	3.69	4.13	4.80	73
7915	F800 2AX 27000 GVW 177 HP G	21,128	14.10	18.40	1.36	2.70	7.12	3.33	9.16	72
7920	F800 2AX 27000 GVW 162 HP D	27,041	10.99	14.53	1.72	3.40	3.69	4.18	4.80	76
7925	LT800 3AX 43000 GVW 223 HP G	32,944	25.40	33.18	2.12	4.37	13.34	5.42	17.18	110
7930	LT8000 3AX 44800 GVW 175 HP D	45,033	18.21	24.18	2.91	6.01	5.98	7.45	7.78	126
7935	LTS8000 3AX 46000 GVW 175 HP D	47,123	18.69	24.81	3.04	6.29	5.98	7.81	7.78	130
7940	LNT8000 3AX 46000 GVW 175 HP D	44,562	18.12	24.04	2.87	5.93	5.98	7.36	7.78	124
7945	CT8000 3AX 46000 GVW 175 HP D	51,893	19.74	26.24	3.36	6.96	5.98	8.64	7.78	136
7950	LT9000 3AX 58000 GVW 82000 GCW 239 HP D	68,289	26.36	35.06	4.42	9.16	8.17	11.38	10.63	172
7955	LTS9000 3AX 60000 GVW 82000 GCW 239 HP D	72,528	27.33	36.38	4.69	9.71	8.17	12.06	10.63	180

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCKS, HIGHWAY (CONT'D) ********** (CHASSIS ONLY)									
	FORD (CONT'D)									
7960	LNT9000 3AX 60000 GVW 82000 GCW 239 HP D	68,828	26.53	35.28	4.45	9.20	8.17	11.42	10.63	175
7965	CLT9000 3AX 82000 GCW 286 HP D	67,446	28.15	37.38	4.37	9.08	9.78	11.28	12.72	149
	GMC AND CHEVROLET									
7975	C10903 4X2 1/2T PKUP 6100 GVW 165 HP G	8,478	6.21	8.03	0.63	1.37	2.85	1.57	3.79	46
7980	C10906 4X2 SUBURBAN 6800 GVW 160 HP G	10,785	6.75	8.73	0.80	1.75	2.76	2.01	3.68	52
7985	K10906 4X4 SUBURBAN 7000 GVW 165 HP G	11,725	7.16	9.23	0.87	1.91	2.85	2.19	3.79	56
7990	C20903 4X2 3/4T PKUP 8600 GVW 165 HP G	11,045	6.95	8.97	0.82	1.79	2.85	2.06	3.79	49
7995	K20903 4X4 3/4T PKUP 6600 GVW 165 HP G	11,778	7.20	9.29	0.87	1.91	2.85	2.20	3.79	54
8000	C30903 2AX 9000 GVW 160 HP G	10,939	6.88	8.91	0.79	1.72	2.76	1.99	3.68	62
8005	C5D042 2AX 18500 GVW 161 HP G	15,323	11.96	15.57	0.98	1.95	6.48	2.39	8.33	59
8010	C6D042 2AX 19200 GVW 161 HP G	16,626	12.23	15.95	1.06	2.12	6.48	2.61	8.33	63
8015	C6D042 2AX 23160 GVW 165 HP D	23,443	10.01	13.27	1.51	3.03	3.76	3.75	4.89	73
8020	C7D042 2AX 23160 GVW 179 HP G	17,727	13.46	17.54	1.13	2.24	7.20	2.76	9.26	78
8025	C7D042 2AX 29900 GVW 225 HP D	34,894	14.33	19.00	2.24	4.50	5.13	5.56	6.67	96
8030	C7D064 3AX 44860 GVW 207 HP G	31,683	24.02	31.37	2.02	4.12	12.38	5.10	15.95	123
8035	C7D064 3AX 44500 GVW 205 HP D	37,903	18.01	23.83	2.42	4.98	7.01	6.18	9.11	127
8040	J8C042 2AX 33200 GVW 235 HP D	43,164	20.26	26.85	2.79	5.80	8.04	7.21	10.45	107
8045	J8C064 3AX 48860 GVW 210 HP D	48,676	20.60	27.34	3.14	6.49	7.18	8.06	9.34	140
8050	J9C042 2AX 53911 GVW 230 HP D	47,859	17.35	23.06	3.09	6.20	5.24	7.66	6.82	122
8055	J9C064 3AX 48860 GVW 300 HP D	56,520	26.27	34.81	3.66	7.59	10.26	9.43	13.34	144
8060	N9E064 3AX 52000 GVW 307 HP D	58,446	27.12	35.88	3.77	7.79	10.50	9.67	13.65	141
8065	N9E064 3AX 62000 GVW 307 HP D	68,331	29.43	39.02	4.41	9.12	10.50	11.32	13.65	180
	INTERNATIONAL									
8075	1654 2AX 16000 GVW 155 HP D	17,490	8.38	11.07	1.13	2.27	3.53	2.80	4.59	57
8080	1724 2AX 16000 GVW 147 HP G	15,717	11.25	14.67	1.01	2.03	5.92	2.51	7.61	65

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCKS, HIGHWAY (CONT'D) ********** (CHASSIS ONLY)									
	INTERNATIONAL (CONT'D)									
8085	1754 2AX 16000 GVW 165 HP D	22,460	9.73	12.90	1.45	2.93	3.76	3.63	4.89	71
8090	1954 2AX 21700 GVW 180 HP D	28,418	11.52	15.29	1.84	3.71	4.10	4.58	5.34	100
8095	F2554 3AX 43000 GVW 210 HP D	45,163	19.84	26.29	2.91	6.01	7.18	7.45	9.34	123
8100	F2574 3AX 50000 GVW 230 HP D	59,445	23.85	31.69	3.85	8.00	7.87	9.93	10.23	123
8105	F4370 3AX 48860 GVW 300 HP D	62,422	27.56	36.56	4.05	8.41	10.26	10.45	13.34	133
8110	F5050 3AX 54000 GVW 210 HP D	60,842	23.28	30.97	3.95	8.20	7.18	10.18	9.34	138
8115	F5070 3AX 54000 GVW 230 HP D	63,558	24.76	32.92	4.13	8.58	7.87	10.65	10.23	140
	KENWORTH									
8125	K100 3AX 48000 GVW 85000 GCW 300 HP D	66,795	28.57	37.91	4.34	9.02	10.26	11.19	13.34	138
8130	W900 3AX 48000 GVW 85000 GCW 300 HP D	67,314	28.68	38.06	4.37	9.09	10.26	11.28	13.34	140
8135	C500 3AX 56000 GVW 85000 GCW 270 HP D	72,329	28.46	37.86	4.70	9.78	9.23	12.16	12.00	144
	PETERBILT									
8145	MOD 348 3AX 50000 GVW 85000 GCW 245 HP D	74,014	27.97	37.25	4.79	9.95	8.38	12.36	10.89	121
8150	MOD 362 3AX 46000 GVW 85000 GCW 300 HP D	65,136	28.20	37.42	4.23	8.78	10.26	10.91	13.34	131
8155	MOD 359 3AX 46000 GVW 85000 GCW 300 HP D	62,865	27.69	36.74	4.07	8.46	10.26	10.51	13.34	134
8160	MOD 353 3AX 56000 GVW 130000 GCW 350 HP D	70,306	31.52	41.81	4.57	9.50	11.97	11.81	15.56	174
	TRUCK ACCESSORIES ********** (CHASIS NOT INCLUDED)									
	CRANES, HYDRAULIC									
8170	5.3T@5'RAD 24000 GVW MIN	26,064	6.13		1.73	3.66	0.00			79
8175	8.0T@3'RAD 26500 GVW MIN	31,254	7.33		2.07	4.39	0.00			84
8180	12.5T@4'RAD 27000 GVW MIN	48,482	11.31		3.21	6.81	0.00			142
8185	13.5T@4'RAD 44000 GVW MIN	59,839	13.94		3.96	8.41	0.00			158
8190	15.0T@4'RAD 48000 GVW MIN	66,446	15.46		4.40	9.33	0.00			211

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCK ACCESSORIES (CONT'D) ********** (CHASIS NOT INCLUDED)									
	DUMP BODY, REAR, W/HOIST									
8200	5CY 24000 TO 26000 GVW	6,296	1.54	2.06	0.42	0.88	0.00	1.10	0.00	26
8205	AIR GATE 8CY 27000 TO 30000 GVW	9,972	2.40	3.22	0.66	1.40	0.00	1.75	0.00	44
8210	AIR GATE 10CY 36000 AND UP GVW	10,087	2.43	3.25	0.67	1.42	0.00	1.76	0.00	45
8215	AIR GATE 12CY 36000 AND UP GVW	10,234	2.45	3.30	0.67	1.43	0.00	1.79	0.00	46
	FLATBEDS W/CONT. SIDES									
8225	8'X9.5'	2,046	0.47		0.13	0.28	0.00			11
8230	8'X10.5'	2,115	0.49		0.14	0.30	0.00			12
8235	8'X12.5'	2,318	0.54		0.16	0.33	0.00			14
8240	8'X14.5'	2,750	0.63		0.18	0.38	0.00			16
8245	8'X16.5'	3,017	0.69		0.20	0.42	0.00			18
8250	FLATBED-HOIST	2,813	0.66		0.19	0.40	0.00			10
	HOISTS, ELECTRIC									
8260	1500LB@1.75'	2,366	0.63		0.16	0.33	0.00			4
8265	2400LB@3'	2,760	0.72		0.18	0.38	0.00			6
8270	5000LB@4'	7,616	1.85		0.51	1.07	0.00			15
8275	6000LB@6'	8,572	2.07		0.56	1.20	0.00			14
	TRANSIT MIXERS									
8285	7 CY 40000 - 50000 GVW RQD	26,920	6.35		1.78	3.78	0.00			63
8290	8 CY 50000 - 70000 GVW RQD	27,352	6.45		1.81	3.84	0.00			66
8295	8.5CY 55000 - 75000 GVW RQD	27,642	6.52		1.83	3.88	0.00			68
8300	9 CY 61000 - 80000 GVW RQD	28,067	6.62		1.86	3.94	0.00			73
	WATER TANKS									
8310	2000 GAL 23500-28000 GVW	12,040	2.78		0.80	1.69	0.00			35
8315	2500 GAL 25000-34950 GVW	12,699	2.94		0.85	1.79	0.00			39

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES			ADJUSTABLE ELEMENTS				CWT
			CONDITION		STAND-BY	AVERAGE COND.		SEVERE COND.		
			AVERAGE	SEVERE		OWNER-SHIP	FUEL	OWNER-SHIP	FUEL	
	TRUCK ACCESSORIES (CONT'D) ********** (CHASIS NOT INCLUDED)									
	WATER TANKS (CONT'D)									
8320	3000 GAL 29000-40000 GVW	13,515	3.13		0.90	1.90	0.00			44
	TRUCK TRAILERS **********									
	BOTTOM DUMP									
8330	18CY 27T	26,740	5.35	6.69	1.57	3.11	0.00	3.64	0.00	122
8335	20CY 30T	31,689	6.26	7.86	1.86	3.71	0.00	4.36	0.00	140
8340	30CY 30T	32,119	6.34	7.97	1.89	3.77	0.00	4.43	0.00	160
8345	28CY 42T	38,207	7.53	9.49	2.23	4.45	0.00	5.23	0.00	180
8350	20CY 35T OFF-HIGHWAY	44,847	8.77	11.06	2.63	5.28	0.00	6.21	0.00	175
8355	32CY 55T OFF-HIGHWAY	93,995	18.76	23.58	5.45	10.74	0.00	12.60	0.00	365
8360	43CY 70T OFF-HIGHWAY	104,193	20.91	26.26	6.02	11.82	0.00	13.85	0.00	445
	END DUMP									
8370	20CY 24T	35,375	6.94	8.74	2.08	4.16	0.00	4.90	0.00	146
	LOWBOY, RIGID NECK, DROP DECK									
8380	25 TON 2 AXLE	20,985	3.75		1.22	2.18	0.00			89
8385	30 TON 2 AXLE	23,236	4.17		1.36	2.42	0.00			94
8390	35 TON 2 AXLE	25,391	4.55		1.48	2.64	0.00			109
8395	35 TON 3 AXLE	29,287	5.29		1.70	3.03	0.00			134
8400	40 TON 3 AXLE	30,595	5.55		1.78	3.15	0.00			144
8405	50 TON 3 AXLE	35,186	6.35		2.05	3.64	0.00			161
8410	60 TON 3 AXLE	38,103	6.92		2.20	3.89	0.00			188
8415	70 TON 3 AXLE	46,184	8.25		2.69	4.80	0.00			213
8420	75 TON 3 AXLE	47,665	8.49		2.78	4.96	0.00			228
8425	80 TON 4 AXLE	54,419	9.67		3.18	5.68	0.00			266
8430	90 TON 4 AXLE	58,712	10.46		3.43	6.12	0.00			297

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCK TRAILERS (CONT'D) **********									
	LOWBOY (CONT'D)									
8435	100 TON 4 AXLE	64,974	11.55		3.80	6.78	0.00			313
8440	120 TON 4 AXLE	75,427	13.62		4.36	7.70	0.00			351
8445	HELPER DOLLY 60 T TRAILER MAX	17,927	3.33		1.03	1.80	0.00			62
	PLATFORM TRAILERS									
8455	25 TON 2 AXLE	17,261	3.22		0.99	1.73	0.00			110
	PUP TRAILERS									
8465	8 CY LONG TONGUE	21,000	3.84		1.21	2.14	0.00			86
8470	10CY LONG TONGUE	21,159	3.88		1.23	2.17	0.00			86
	TILT TRAILERS									
8480	12 TON 2 AXLE	11,278	2.13		0.65	1.14	0.00			62
8485	16 TON 2 AXLE	12,886	2.45		0.75	1.30	0.00			65
8490	20 TON 2 AXLE	13,993	2.64		0.80	1.39	0.00			67
	WATER TANKER TRAILERS									
8500	4000 GAL 63 HP D	31,933	7.60		1.78	3.29	2.15			120
8505	5000 GAL 63 HP D	33,873	7.99		1.87	3.42	2.15			150
8510	6000 GAL 63 HP D	35,400	8.21		1.95	3.58	2.15			160
	TRUCKS, OFF-HIGHWAY **********									
	CATERPILLAR									
8520	769-C 35T 22-30 CY P.S. 450 HP D	289,285	64.01	81.83	15.92	30.35	9.72	34.40	12.55	711
8525	773-B 50T 30-45 CY P.S. 650 HP D	406,318	91.87	118.25	22.28	42.27	14.04	47.88	18.13	908
8530	777 85T 47-67 CY P.S. 870 HP D	565,866	124.80	160.39	30.79	57.93	18.79	65.55	24.27	1391
8535	768C PRIME MOVER TRACTOR P.S. 450 HP D	258,957	59.14	75.89	14.23	27.05	9.72	30.65	12.55	530
8540	772B PRIME MOVER TRACTOR P.S. 650 HP D	386,766	90.80	118.16	21.05	39.63	14.04	44.84	18.13	707

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	TRUCKS, OFF-HIGHWAY (CONT'D) **********									
	DJB (ARTICULATED FRAME)									
8550	D275B 27.5T 15-20 CY P.S. 235 HP D	190,916	40.02	50.81	10.47	19.90	5.08	22.55	6.56	424
8555	D330B 33T 17-23 CY P.S. 255 HP D	228,566	46.77	59.14	12.58	23.96	5.51	27.15	7.11	444
8560	D350B 35T 20-26 CY P.S. 255 HP D	238,671	50.24	64.45	12.98	24.42	5.51	27.63	7.11	472
8565	D550 55T 32-43 CY P.S. 450 HP D	398,315	83.93	107.39	21.72	40.96	9.72	46.38	12.55	834
	EUCLID									
8575	R25-215FD 25T 14-19 CY P.S. 214 HP D	190,476	38.69	49.04	10.47	19.93	4.62	22.58	5.97	404
8580	R35-302TD 35T 22-30 CY P.S. 450 HP D	301,112	65.47	83.34	16.62	31.75	9.72	35.99	12.55	623
8585	R50-301LD 50T 31-41 CY P.S. 608 HP D	396,287	89.04	114.71	21.71	41.17	13.13	46.64	16.96	836
8590	R75-301ND 75T 46-69 CY P.S. 646 HP D	529,562	111.58	143.15	28.85	54.36	13.95	61.52	18.02	1123
8595	R85-306ND 85T 52-67 CY P.S. 755 HP D	545,341	118.17	152.07	29.64	55.69	16.31	63.01	21.06	1227
	INTERNATIONAL									
8605	350B 50T 31-42 CY P.S. 580 HP D	384,075	85.09	109.32	21.18	40.44	12.53	45.84	16.18	740
	TEREX									
8615	33-03B 22T 15-18 CY P.S. 215 HP D	168,492	35.93	45.93	9.27	17.67	4.64	20.03	6.00	400
8620	33-05B 30T 19-23 CY P.S. 321 HP D	242,305	52.11	66.65	13.33	25.40	6.93	28.77	8.96	525
8625	33-07 40T 25-32 CY P.S. 493 HP D	299,327	69.79	90.74	16.31	30.72	10.65	34.76	13.75	756
8630	33-09 55T 34-44 CY P.S. 624 HP D	403,976	92.80	120.58	22.02	41.50	13.48	46.98	17.41	992
8635	33-11C 85T 51-65 CY P.S. 840 HP D	568,566	124.36	159.80	30.94	58.22	18.14	65.88	23.44	1350
	WABCO									
8645	HAULPAK35D 35T 23-29 CY P.S. 420 HP D	298,836	64.67	82.58	16.46	31.39	9.07	35.58	11.72	630
8650	HAULPAK50B 50T 31-40 CY P.S. 576 HP D	415,547	91.21	117.29	22.79	43.27	12.44	49.02	16.07	792
8655	HAULPAK60B 60T 34-48 CY P.S. 642 HP D	449,191	100.59	130.09	24.55	46.43	13.87	52.56	17.91	900
8660	75C 75T 44-57 CY P.S. 679 HP D	504,593	108.00	138.46	27.51	51.86	14.67	58.70	18.94	950
8665	85D 85T 47-67 CY P.S. 818 HP D	561,844	122.65	157.66	30.57	57.49	17.67	65.05	22.82	1240

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-SHIP	FUEL	OWNER-SHIP	FUEL	
	TRUCKS, WATER **********									
	TRACTOR DRAWN - KLEIN									
8675	KT-50 5000 GAL. CAT 613B P.S. 150 HP D	134,493	28.76	35.24	7.46	13.23	5.13	14.85	6.75	320
8680	KT-60 6000 GAL. CAT 621B P.S. 330 HP D	235,891	54.08	66.67	13.00	22.89	11.29	25.66	14.85	564
8685	KT-80 8000 GAL. CAT 631D P.S. 450 HP D	323,162	74.30	91.68	17.77	31.19	15.39	34.97	20.25	740
8690	KT-100 10000 GAL. CAT 631D P.S. 450 HP D	331,517	75.59	93.20	18.24	32.05	15.39	35.93	20.25	798
8695	KT-100 10000 GAL. CAT 641B P.S. 550 HP D	372,981	87.45	108.07	20.47	35.85	18.81	40.17	24.75	931
8700	KT-120 12000 GAL. CAT 651B P.S. 550 HP D	393,231	90.58	111.78	21.61	37.93	18.81	42.52	24.75	1097
	TRACTOR DRAWN - SOUTHWEST									
8710	STT-60 6000 GAL. CAT 621B P.S. 330 HP D	233,998	53.78	66.32	12.89	22.69	11.29	25.44	14.85	594
8715	STT-80 8000 GAL. CAT 631D P.S. 450 HP D	321,404	74.03	91.35	17.67	31.01	15.39	34.76	20.25	800
8720	STT-100 10000 GAL. CAT 631D P.S. 450 HP D	325,633	74.67	92.13	17.90	31.44	15.39	35.25	20.25	840
8725	STT-120 12000 GAL. CAT 651B P.S. 550 HP D	396,688	91.11	112.41	21.81	38.29	18.81	42.92	24.75	1054
8730	STT-140 14000 GAL. CAT 651B P.S. 550 HP D	402,682	92.03	113.50	22.15	38.90	18.81	43.61	24.75	1089
	WAGONS, BOTTOM DUMP **********									
	CATERPILLAR-ATHEY									
8740	621B/PW621B 33T 22-26CY P.S. 330 HP D	249,507	59.36	76.79	13.63	25.76	11.29	29.17	14.85	579
8745	768B/PW768C 63T 42-48CY P.S. 450 HP D	380,353	88.05	113.48	20.70	38.98	15.39	44.12	20.25	935
8750	772B/PW772B 100T 60-67CY P.S. 650 HP D	606,144	142.34	186.96	32.76	61.15	22.23	69.13	29.25	1350
	EUCLID									
8760	B30-303TDT301W 30T 21-27CY P.S. 277 HP D	226,916	53.30	69.02	12.35	23.25	9.47	26.31	12.46	483
8765	B70-203LDT147W 70T 47-62CY P.S. 423 HP D	385,673	83.46	105.50	21.29	40.68	14.47	46.11	19.03	934

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	WAGONS, REAR DUMP **********									
	CATERPILLAR-ATHEY									
8775	621B/PR621B 33T 22-26CY P.S. 330 HP D	261,367	61.38	79.30	14.28	27.00	11.29	30.57	14.85	630
8780	631D/PR631D 40T 27-32CY P.S. 450 HP D	370,788	85.93	110.86	20.30	38.43	15.39	43.52	20.25	833
	WATER BLASTER **********									
	AMERICAN AERO									
8790	WBD 90 10000 PSI @ 10 GPM W/2 NOZ 91 HP D TRAILER MOUNTED	33,419	18.06		2.54	5.82	4.59			42
8795	WBDI5O 10000 PSI @ 20 GPM W/2 NOZ 160 HP D TRAILER MOUNTED	50,644	28.81		3.85	8.84	8.06			70
	WATER TANKS **********									
	SKID MOUNTED									
8805	WST-8 8000 GAL. SOUTHWEST	16,042	2.40		0.91	1.70	0.00			107
8810	WST-10 10000 GAL. SOUTHWEST	18,671	2.79		1.05	1.97	0.00			122
8815	WST-12 12000 GAL. SOUTHWEST	21,725	3.24		1.22	2.29	0.00			142
	PORTABLE (WITH WHEELS)									
8825	EWT-8 8000 GAL. SOUTHWEST 8 HP G	28,670	5.13		1.60	2.96	0.61			130
8830	EWT-10 10000 GAL. SOUTHWEST 8 HP G	32,586	5.72		1.82	3.38	0.61			170
8835	EWT-12 12000 GAL. SOUTHWEST 8 HP G	36,117	6.24		2.02	3.75	0.61			185
	WELDERS *******									
	ELECTRIC DRIVE - AC 3 PHASE 60 HZ									
8845	300 AMP SKID MTD 20 HP E	2,416	1.07		0.16	0.32	0.48			7
8850	400 AMP SKID MTD 25 HP E	2,892	1.32		0.19	0.39	0.60			9

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

UNIT NO.	EQUIPMENT	VALUE	TOTAL HOURLY RATES CONDITION AVERAGE	TOTAL HOURLY RATES CONDITION SEVERE	TOTAL HOURLY RATES STAND-BY	ADJUSTABLE ELEMENTS AVERAGE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS AVERAGE COND. FUEL	ADJUSTABLE ELEMENTS SEVERE COND. OWNER-SHIP	ADJUSTABLE ELEMENTS SEVERE COND. FUEL	CWT
	WELDERS (CONT'D) **********									
	GASOLINE ENGINE DRIVE									
8860	200 AMP W/1 AXLE TRLR 39 HP G	4,822	5.85		0.35	0.75	3.63			11
8865	250 AMP W/1 AXLE TRLR 39 HP G	5,113	5.92		0.37	0.80	3.63			17
8870	300 AMP W/1 AXLE TRLR 65 HP G	5,547	9.05		0.41	0.87	6.05			17
8875	400 AMP W/1 AXLE TRLR 69 HP G	7,057	9.94		0.52	1.11	6.43			21
	DIESEL ENGINE DRIVE									
8885	250 AMP W/1 AXLE TRLR 27 HP D	6,611	3.26		0.49	1.04	1.14			21
8890	300 AMP W/1 AXLE TRLR 38 HP D	7,059	3.97		0.52	1.11	1.61			21
8895	350 AMP W/2 AXLE TRLR 38 HP D	7,949	4.22		0.58	1.23	1.61			25
8900	400 AMP W/2 AXLE TRLR 64 HP D	8,620	5.77		0.63	1.34	2.71			30
	MIG									
8910	300AMP W/WIRE FEED AND SHOP GEAR 10 HP E	2,444	0.77		0.16	0.33	0.24			5
8915	450AMP W/WIRE FEED AND SHOP GEAR 20 HP E	2,514	1.09		0.17	0.34	0.48			5
	RECTIFIER									
8925	200 AMP W/SHOP RUNNING GEAR 19 HP E	1,118	0.81		0.08	0.15	0.46			4
8930	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,439	1.01		0.09	0.19	0.58			6
8935	750 AMP W/SHOP RUNNING GEAR 30 HP E	3,877	1.67		0.26	0.53	0.72			7
8940	1000AMP W/SHOP RUNNING GEAR 42 HP E	6,774	2.58		0.45	0.92	1.01			10
	TRANSFORMER-RECTIFIER									
8950	250 AMP W/SHOP RUNNING GEAR 19 HP E	528	0.70		0.03	0.07	0.46			4
8955	300 AMP W/SHOP RUNNING GEAR 24 HP E	1,713	1.07		0.11	0.23	0.58			6

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

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

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

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

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

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

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

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

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

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
15	AGGREGATE SPREADERS	1.03	1.01	1.00	1.02	0.95	0.87	0.79						
30	AIR COMPRESSORS	1.05	1.00	1.00	0.98	0.91	0.96	0.88						
45	AIR TOOLS, SANDBLASTERS, ETC	1.05	1.00	1.00										
60	ASPHALT DISTRIBUTORS	1.03	1.01	1.00	1.02	0.95	0.87	0.79						
65	ASPHALT AND CONCRETE PAVERS	1.03	1.01	1.00	1.02	0.95	0.87	0.79						
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.02	1.00	0.97	0.90	0.80							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.04	1.02	1.00	0.97	0.90	0.79	0.68						
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.97	0.90	0.80	0.69						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	1.02	0.96	0.86	0.71						
95	BUCKETS, CONCRETE	1.03	1.01	1.00	1.02	0.96	0.85	0.70						
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.97	0.90	0.80							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.97	0.90	0.80							
125	CONCRETE FINISHERS & BUGGIES	1.05	1.02	1.00	0.97									
130	CONCRETE SAWS	1.04	1.02	1.00	0.97	0.90	0.80							
135	CONCRETE VIBRATORS	1.05	1.00	1.00										
140	COMPACTORS, MANUALLY OPERATED	1.05	1.00	1.00	0.98									
	CRANE, CRAWLER TYPE													
150	0 THRU 25 TON	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.61				
165	OVER 25 TON THRU 50 TON	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.62	0.58			
170	OVER 50 TON THRU 150 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.53	0.43	
180	OVER 150 TON	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.54	0.43	0.36
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67					
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.62	0.58			
195	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.53	0.43	
196	OVER 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.54	0.43	0.36
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.53		
205	CRANES, TOWER	1.05	1.03	1.00	0.98	0.91	0.83	0.74	0.67	0.61	0.57	0.51	0.40	
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.69	0.63	0.59	0.54	0.44	
230	66 THRU 125 T	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.69	0.64	0.60	0.54	0.44	0.37
240	OVER 125 T	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.69	0.63	0.59	0.54	0.44	0.37
255	DRILL, AUGER	1.01	0.99	1.00	0.99	0.91	0.77	0.67						
270	DRILL, BLAST HOLE	1.01	0.99	1.00	0.99	0.91	0.77	0.67						
300	DRILL, CORE	1.01	0.99	1.00	0.99	0.91	0.77	0.67						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.01	0.99	1.00	0.99	0.91	0.78	0.68	0.63	0.56	0.54			
330	DRILL, ROTARY OVER 11" DIA.	1.01	0.99	1.00	0.99	0.91	0.79	0.69	0.64	0.58	0.55	0.52	0.45	0.41
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.01	0.99	1.00	0.99	0.91	0.79	0.69	0.64	0.58	0.55	0.52	0.45	0.41
375	FORK LIFTS	1.04	1.02	1.00	0.97	0.90	0.80	0.69						
390	GRADERS	1.05	1.03	1.00	0.97	0.88	0.79	0.70	0.64					
420	GENERATORS	1.05	1.03	1.00	0.97	0.95	0.83							
435	HOIST	1.04	1.02	1.00	0.97	0.90	0.80	0.69						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
440	LIGHT PLANTS	1.04	1.02	1.00	0.97	0.89	0.79							
450	LOADER, BELT	1.04	1.02	1.00	0.97	0.90	0.79	0.68						
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.02	1.00	1.00	0.96	0.87	0.78	0.69						
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.06	1.03	1.00	0.97	0.87	0.72	0.62						
470	OVER 225 HP	1.05	1.03	1.00	0.98	0.88	0.74	0.64	0.58					
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.06	1.03	1.00	0.97	0.87	0.72	0.62						

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW												
		1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.05	1.02	1.00	0.97									
485	PIPELAYERS	1.02	1.00	1.00	0.96	0.86	0.77	0.67	0.58					
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.97	0.90	0.79	0.68						
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.97	0.90	0.79	0.68						
510	RIPPERS	1.02	1.00	1.00	0.96	0.87	0.78							
525	ROLLERS, EXCEPT VIB. ROLLERS	1.08	1.05	1.00	0.91	0.83	0.75	0.67						
530	ROLLERS, VIBRATORY	1.08	1.06	1.00	0.90	0.83	0.74							
540	SCRAPERS, STANDARD	1.05	1.03	1.00	0.98	0.89	0.80	0.71						
542	SCRAPERS, TANDEM POWERED	1.05	1.03	1.00	0.98	0.89	0.80	0.71						
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.05	1.03	1.00	0.97	0.89	0.80	0.70						
550	OVER 200 HP	1.05	1.03	1.00	0.98	0.89	0.80	0.71						
555	SCRAPERS, TRACTOR DRAWN	1.05	1.03	1.00	0.98	0.89	0.81	0.71	0.66					
560	SOIL STABILIZERS	1.05	1.03	1.00	0.97	0.89	0.80	0.70						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.06	1.03	1.00	0.97	0.90	0.82							
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.91	0.83	0.73						
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68					
600	OVER 5 CY	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63				
601	OVER 2-1/2 CY ELECTRIC	1.05	1.03	1.00	0.98	0.91	0.84	0.75	0.68	0.63	0.59	0.53	0.43	
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.02	1.00	1.00	0.96	0.86	0.78	0.68						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.02	1.00	1.00	0.96	0.87	0.79	0.70						
625	OVER 425 HP	1.02	1.00	1.00	0.96	0.87	0.79	0.70	0.63					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.02	1.00	1.00	0.96	0.87	0.78	0.69						
645	TRACTOR, WHEEL TYPE	1.06	1.03	1.00	0.99	0.90	0.80	0.69						
650	TRENCHER	1.04	1.02	1.00	0.93	0.81	0.69	0.59						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.97	0.90	0.80	0.70						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.05	1.02	1.00	0.97	0.89	0.78	0.66						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.04	1.02	1.00	0.97	0.90	0.80							
675	ALL OTHER ACCESSORIES	1.04	1.02	1.00	0.97	0.90	0.80							
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.08	1.06	1.00	0.95									
695	OVER 10,000 THRU 30,000 GVW	1.08	1.06	1.00	0.95	0.88	0.75							
705	OVER 30,000 GVW	1.08	1.05	1.00	0.96	0.88	0.76							
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.98	0.89	0.77	0.66	0.60					
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.98	0.89	0.77	0.66	0.60					
780	WAGON, WATER	1.04	1.01	1.00	0.97	0.88	0.76	0.64	0.57					
785	WATER BLASTER	1.04	1.02	1.00	0.97									
795	WATER TANKS	1.04	1.02	1.00	0.97	0.90	0.80	0.70	0.62					
810	WELDERS	1.05	1.02	1.00	0.97									
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.97	0.89	0.79							

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

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

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

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

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
15	AGGREGATE SPREADERS	1.03	1.01	1.00	1.01	0.95	0.89	0.82						
30	AIR COMPRESSORS	1.05	1.00	1.00	0.98	0.92	0.96	0.90						
45	AIR TOOLS, SANDBLASTERS, ETC	1.05	1.00	1.00										
60	ASPHALT DISTRIBUTORS	1.03	1.01	1.00	1.01	0.95	0.89	0.82						
65	ASPHALT AND CONCRETE PAVERS	1.03	1.01	1.00	1.01	0.95	0.89	0.82						
70	ASPHALT KETTLES AND RECYCLERS	1.04	1.02	1.00	0.98	0.91	0.82							
	BACKHOE (SEE KEY NO. 570-601)													
75	BROOMS	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
80	BRUSH CHIPPERS	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
90	BUCKETS, CLAMSHELL & DRAGLINE	1.03	1.01	1.00	1.02	0.96	0.87	0.73						
95	BUCKETS, CONCRETE	1.03	1.01	1.00	1.02	0.96	0.87	0.73						
105	CONCRETE OR GROUT PUMP	1.04	1.02	1.00	0.98	0.91	0.82							
120	CONCRETE GUNITE EQUIPMENT & FLUID GROUTERS	1.04	1.02	1.00	0.98	0.91	0.82							
125	CONCRETE FINISHERS & BUGGIES	1.04	1.02	1.00	0.98									
130	CONCRETE SAWS	1.04	1.02	1.00	0.98	0.91	0.82							
135	CONCRETE VIBRATORS	1.05	1.00	1.00										
140	COMPACTORS, MANUALLY OPERATED	1.05	1.00	1.00	0.98									
	CRANE, CRAWLER TYPE													
150	0 THRU 25 TON	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66				
165	OVER 25 TON THRU 50 TON	1.05	1.03	1.00	0.98	0.92	0.85	0.78	0.71	0.67	0.63			
170	OVER 50 TON THRU 150 TON	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.59	0.49	
180	OVER 150 TON	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.64	0.59	0.50	0.44
	DRAGLINE & CLAMSHELL,CRAWLER													
185	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71					
190	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.78	0.71	0.67	0.63			
195	OVER 2-1/2 CY THRU 5 CY	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.59	0.49	
196	OVER 5 CY	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.64	0.59	0.50	0.44
200	CRANES, HYDRAULIC, SELF-PROPELLED	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66	0.63	0.58		
205	CRANES, TOWER	1.04	1.02	1.00	0.98	0.92	0.86	0.79	0.73	0.68	0.65	0.60	0.51	
	CRANES & HYD. EXC. , TRK MTD													
210	UNDER 26 T. (THRU 1 CY)	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66	0.62			
225	26 THRU 65 T (1 TH 2-1/2 CY)	1.05	1.03	1.00	0.98	0.92	0.85	0.78	0.71	0.67	0.63	0.58	0.49	
230	66 THRU 125 T	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.58	0.49	0.43
240	OVER 125 T	1.04	1.02	1.00	0.98	0.92	0.86	0.78	0.72	0.68	0.64	0.59	0.50	0.44
255	DRILL, AUGER	1.01	0.99	1.00	0.99	0.92	0.80	0.70						
270	DRILL, BLAST HOLE	1.01	0.99	1.00	0.99	0.92	0.80	0.70						
300	DRILL, CORE	1.01	0.99	1.00	0.99	0.92	0.80	0.70						
315	DRILL, ROTARY TO 11" DIA. HOLE	1.01	0.99	1.00	0.99	0.92	0.81	0.71	0.67	0.62	0.59			
330	DRILL, ROTARY OVER 11" DIA.	1.01	0.99	1.00	0.99	0.92	0.81	0.72	0.68	0.62	0.60	0.58	0.52	0.48
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	1.01	0.99	1.00	0.99	0.92	0.81	0.72	0.68	0.62	0.60	0.58	0.52	0.48
375	FORK LIFTS	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
390	GRADERS	1.04	1.02	1.00	0.98	0.90	0.83	0.74	0.69					
420	GENERATORS	1.05	1.03	1.00	0.98	0.95	0.85							
435	HOIST	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
	HYD. EXCAVATOR (SEE KEY NO. 570-601)													
440	LIGHT PLANTS	1.04	1.02	1.00	0.98	0.91	0.82							
450	LOADER, BELT	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
460	LOADER,FRONT END &LOADER F/E WITH BACKHOE,CRAWLER TYPE	1.02	1.00	1.00	0.96	0.88	0.81	0.73						
	LOADER, WHEEL TYPE													
465	0 THRU 225 HP	1.05	1.03	1.00	0.98	0.89	0.76	0.67						
470	OVER 225 HP	1.05	1.03	1.00	0.98	0.89	0.76	0.68	0.62					
475	LOADER, FRONT END WITH BACKHOE,WHEEL TYPE	1.05	1.03	1.00	0.98	0.89	0.76	0.67						

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

KEY NO.	TYPE OF EQUIPMENT	YEAR PURCHASED NEW 1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	1.04	1.02	1.00	0.98									
485	PIPELAYERS	1.02	1.00	1.00	0.97	0.89	0.81	0.73	0.67					
	PUMP, GROUT (SEE KEY NO. 105)													
495	PUMP, WATER, ENGINE DRIVE	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
500	PUMP, WATER, ELECTRIC DRIVE	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
510	RIPPERS	1.02	1.00	1.00	0.96	0.88	0.80							
525	ROLLERS, EXCEPT VIB. ROLLERS	1.07	1.05	1.00	0.92	0.85	0.78	0.71						
530	ROLLERS, VIBRATORY	1.07	1.05	1.00	0.91	0.85	0.77							
540	SCRAPERS, STANDARD	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
542	SCRAPERS, TANDEM POWERED	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
	SCRAPERS, ELEVATING													
545	0 THRU 200 HP	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
550	OVER 200 HP	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
555	SCRAPERS, TRACTOR DRAWN	1.04	1.02	1.00	0.98	0.90	0.82	0.74	0.69					
560	SOIL STABILIZERS	1.04	1.02	1.00	0.98	0.90	0.82	0.74						
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED													
570	0 THRU 1 CY	1.05	1.03	1.00	0.98	0.91	0.84							
585	OVER 1 CY THRU 2-1/2 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77						
595	OVER 2-1/2 CY THRU 5 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71					
600	OVER 5 CY	1.05	1.03	1.00	0.98	0.92	0.85	0.77	0.71	0.66				
601	OVER 2-1/2 CY ELECTRIC	1.04	1.03	1.00	0.98	0.92	0.86	0.78	0.72	0.67	0.63	0.59	0.49	
	TRACTOR, CRAWLER TYPE													
615	0 THRU 225 HP	1.02	1.00	1.00	0.96	0.88	0.81	0.73						
620	226 HP THRU 425 HP (PER UNIT FOR TANDEM TRACTORS)	1.02	1.00	1.00	0.96	0.88	0.81	0.73						
625	OVER 425 HP	1.02	1.00	1.00	0.96	0.88	0.81	0.73	0.66					
630	TRACTOR, BLADES, PUSH BLOCKS, PUSH PLATES & CLEARING BLADES	1.02	1.00	1.00	0.96	0.88	0.81	0.73						
645	TRACTOR, WHEEL TYPE	1.05	1.03	1.00	0.99	0.92	0.82	0.73						
650	TRENCHER	1.04	1.02	1.00	0.94	0.83	0.72	0.64						
655	TRAILERS, BOTTOM DUMP AND END DUMP	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
660	TRAILERS, FLATBED, LO-BOY AND TILT	1.04	1.02	1.00	0.98	0.91	0.82	0.73						
	TRUCK ACCESSORIES FOR CHASSIS MOUNTING													
670	DUMP BODIES	1.04	1.02	1.00	0.98	0.91	0.82							
675	ALL OTHER ACCESSORIES	1.04	1.02	1.00	0.98	0.91	0.82							
	TRUCK, HIGHWAY													
690	0 THRU 10,000 GVW	1.07	1.05	1.00	0.96									
695	OVER 10,000 THRU 30,000 GVW	1.07	1.05	1.00	0.96	0.90	0.79							
705	OVER 30,000 GVW	1.07	1.05	1.00	0.96	0.90	0.79							
720	TRUCK, OFF-HIGHWAY	1.03	1.01	1.00	0.98	0.90	0.79	0.70	0.64					
765	WAGON, BOTTOM & REAR DUMP	1.03	1.01	1.00	0.98	0.90	0.79	0.70	0.64					
780	WAGON, WATER	1.03	1.01	1.00	0.98	0.90	0.80	0.70	0.64					
785	WATER BLASTER	1.04	1.02	1.00	0.98									
795	WATER TANKS	1.04	1.02	1.00	0.98	0.91	0.83	0.73	0.67					
810	WELDERS	1.04	1.02	1.00	0.98									
811	WELDERS ELECTRIC POWER	1.04	1.02	1.00	0.98	0.91	0.82							

TABLE 3-4. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

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

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

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

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

Service Life From APP. D	Equipment Useage - Hours per Week												
	40	45	48	54	60	66	72	80	90	100	110	120	140
4,000	1.00	0.98	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87
6,000	1.00	0.97	0.96	0.94	0.92	0.90	0.89	0.88	0.86	0.85	0.85	0.84	0.83
8,000	1.00	0.97	0.95	0.92	0.90	0.89	0.87	0.85	0.84	0.82	0.81	0.81	0.79
9,000	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
10,000	1.00	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.81	0.80	0.79	0.78	0.76
11,000	1.00	0.96	0.94	0.91	0.88	0.86	0.84	0.82	0.80	0.79	0.77	0.76	0.75
12,000	1.00	0.96	0.94	0.90	0.88	0.85	0.83	0.81	0.79	0.78	0.76	0.75	0.73
13,000	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
14,000	1.00	0.95	0.93	0.89	0.86	0.84	0.82	0.80	0.77	0.76	0.74	0.73	0.71
15,000	1.00	0.95	0.93	0.89	0.86	0.83	0.81	0.79	0.77	0.75	0.73	0.72	0.70
16,000	1.00	0.95	0.93	0.89	0.85	0.83	0.81	0.78	0.76	0.74	0.72	0.71	0.69
18,000	1.00	0.95	0.92	0.88	0.85	0.82	0.79	0.77	0.74	0.72	0.70	0.69	0.67
20,000	1.00	0.95	0.92	0.87	0.84	0.81	0.78	0.76	0.73	0.71	0.69	0.67	0.65
22,000	1.00	0.94	0.91	0.87	0.83	0.80	0.77	0.74	0.72	0.69	0.67	0.66	0.63
50,000	1.00	0.92	0.88	0.82	0.77	0.72	0.69	0.65	0.61	0.58	0.56	0.53	0.50

TABLE 3-5. HOURLY RATE ELEMENT

UNIT NO	AVERAGE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	SEVERE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1010	4.40	2.29	10.79	2.59	0.21	0.03	4.02	24.33								
1015	4.93	2.56	3.78	0.91	0.21	0.03	4.49	16.91								
1030	0.82	0.47	3.79	1.21	0.02	0.00	0.81	7.12								
1035	0.99	0.56	1.13	0.32	0.02	0.00	0.98	4.00								
1040	1.00	0.58	5.31	1.70	0.02	0.00	1.00	9.61								
1045	1.07	0.61	1.74	0.49	0.02	0.00	1.06	4.99								
1050	1.10	0.63	5.31	1.70	0.02	0.00	1.09	9.85								
1055	1.25	0.71	1.85	0.52	0.02	0.00	1.24	5.59								
1060	1.13	0.65	5.31	1.70	0.02	0.00	1.13	9.94								
1065	1.34	0.76	2.36	0.66	0.02	0.00	1.33	6.47								
1070	2.00	1.14	3.01	0.84	0.03	0.00	1.99	9.01								
1075	2.44	1.42	4.17	1.17	0.12	0.02	2.44	11.78								
1080	3.18	1.84	5.20	1.46	0.12	0.02	3.16	14.98								
1085	3.81	2.20	6.43	1.80	0.14	0.02	3.79	18.19								
1090	4.44	2.56	7.80	2.18	0.14	0.02	4.42	21.56								
1095	5.05	2.90	8.89	2.49	0.14	0.02	5.03	24.52								
1100	5.55	3.18	9.23	2.59	0.14	0.02	5.52	26.23								
1105	6.22	3.57	10.05	2.82	0.14	0.02	6.18	29.00								
1110	7.44	4.26	13.68	3.83	0.14	0.02	7.39	36.76								
1115	8.40	4.81	15.60	4.37	0.18	0.03	8.35	41.74								
1130	0.30	0.07	0.00	0.06	0.00	0.00	0.59	1.02								
1135	0.54	0.13	0.00	0.06	0.00	0.00	1.08	1.81								
1140	0.55	0.13	0.00	0.06	0.00	0.00	1.09	1.83								
1145	0.61	0.14	0.00	0.13	0.00	0.00	1.20	2.08								
1150	0.82	0.19	0.00	0.13	0.00	0.00	1.62	2.76								
1155	2.31	0.56	0.00	0.27	0.05	0.01	4.61	7.81								
1160	2.78	0.69	0.00	0.40	0.12	0.02	5.58	9.59								
1165	3.43	0.84	0.00	0.50	0.12	0.02	6.86	11.77								
1175	0.18	0.04	0.00	0.06	0.00	0.00	0.36	0.64								
1180	0.39	0.09	0.00	0.11	0.00	0.00	0.78	1.37								
1185	0.19	0.04	0.00	0.06	0.00	0.00	0.37	0.66								
1190	0.20	0.05	0.00	0.06	0.00	0.00	0.39	0.70								
1195	0.22	0.05	0.00	0.06	0.00	0.00	0.43	0.76								
1200	0.72	0.17	0.00	0.13	0.00	0.00	1.43	2.45								
1210	0.39	0.09	0.00	0.15	0.00	0.00	1.28	1.91								
1215	0.25	0.06	0.00	0.13	0.00	0.00	0.83	1.27								
1220	0.23	0.05	0.00	0.10	0.00	0.00	0.74	1.12								
1225	0.20	0.05	0.00	0.08	0.00	0.00	0.67	1.00								
1230	0.16	0.04	0.00	0.06	0.00	0.00	0.53	0.79								
1240	2.22	1.13	3.42	1.09	0.00	0.00	2.45	10.31								
1245	2.27	1.16	3.42	1.09	0.00	0.00	2.51	10.45								
1250	2.43	1.24	3.42	1.09	0.00	0.00	2.68	10.86								
1255	2.74	1.39	3.42	1.09	0.00	0.00	3.02	11.66								
1265	7.05	3.66	2.39	0.67	0.32	0.05	8.27	22.41								
1270	11.07	5.80	3.25	0.91	0.79	0.12	13.01	34.95								
1275	12.33	6.44	4.45	1.24	0.79	0.12	14.49	39.86								
1280	15.07	7.67	4.45	1.24	0.00	0.00	17.60	46.03								
1290	3.57	1.89	0.75	0.21	0.32	0.05	4.21	11.00								
1295	5.68	2.96	1.92	0.54	0.32	0.05	6.66	18.13								
1300	7.89	4.11	1.98	0.56	0.44	0.07	9.27	24.32								
1305	9.74	5.13	2.98	0.83	0.79	0.12	11.47	31.06								
1310	11.40	6.01	3.01	0.84	0.96	0.14	13.41	35.77								
1315	15.05	7.94	5.37	1.50	1.32	0.20	17.71	49.09								
1320	11.09	5.65	2.60	0.73	0.00	0.00	12.96	33.03								
1325	13.27	6.76	3.76	1.05	0.00	0.00	15.50	40.34								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1335	0.36	0.16	0.00	0.99	0.02	0.00	0.38	1.91								
1340	0.43	0.18	0.00	1.09	0.02	0.00	0.45	2.17								
1350	1.01	0.43	0.61	1.76	0.02	0.00	1.06	4.89								
1360	0.48	0.27	0.00	0.18	0.02	0.00	0.54	1.49								
1365	0.62	0.35	1.59	0.38	0.02	0.00	0.70	3.66								
1370	0.21	0.12	0.00	0.18	0.00	0.00	0.24	0.75								
1375	0.33	0.19	0.00	0.12	0.00	0.00	0.37	1.01								
1385	0.94	0.48	7.93	2.54	0.00	0.00	1.11	13.00								
1390	1.01	0.52	7.93	2.54	0.04	0.01	1.19	13.24								
1400	0.88	0.40	0.00	0.00	0.00	0.00	0.75	2.03	1.09	0.42	0.00	0.00	0.00	0.00	1.06	2.57
1405	0.94	0.44	0.00	0.00	0.00	0.00	0.80	2.18	1.18	0.45	0.00	0.00	0.00	0.00	1.15	2.78
1410	1.37	0.63	0.00	0.00	0.00	0.00	1.16	3.16	1.71	0.65	0.00	0.00	0.00	0.00	1.66	4.02
1415	1.60	0.74	0.00	0.00	0.00	0.00	1.37	3.71	2.00	0.76	0.00	0.00	0.00	0.00	1.95	4.71
1420	2.07	0.96	0.00	0.00	0.00	0.00	1.76	4.79	2.59	0.98	0.00	0.00	0.00	0.00	2.52	6.09
1425	2.20	1.02	0.00	0.00	0.00	0.00	1.87	5.09	2.75	1.04	0.00	0.00	0.00	0.00	2.68	6.47
1430	2.40	1.11	0.00	0.00	0.00	0.00	2.04	5.55	3.00	1.14	0.00	0.00	0.00	0.00	2.91	7.05
1435	2.66	1.23	0.00	0.00	0.00	0.00	2.26	6.15	3.32	1.26	0.00	0.00	0.00	0.00	3.23	7.81
1440	2.89	1.33	0.00	0.00	0.00	0.00	2.46	6.68	3.61	1.37	0.00	0.00	0.00	0.00	3.51	8.49
1445	3.08	1.42	0.00	0.00	0.00	0.00	2.62	7.12	3.85	1.46	0.00	0.00	0.00	0.00	3.75	9.06
1450	3.41	1.58	0.00	0.00	0.00	0.00	2.90	7.89	4.26	1.62	0.00	0.00	0.00	0.00	4.14	10.02
1455	3.55	1.64	0.00	0.00	0.00	0.00	3.02	8.21	4.44	1.68	0.00	0.00	0.00	0.00	4.32	10.44
1460	3.66	1.69	0.00	0.00	0.00	0.00	3.11	8.46	4.57	1.73	0.00	0.00	0.00	0.00	4.45	10.75
1465	3.85	1.78	0.00	0.00	0.00	0.00	3.27	8.90	4.81	1.82	0.00	0.00	0.00	0.00	4.68	11.31
1470	4.00	1.85	0.00	0.00	0.00	0.00	3.41	9.26	5.00	1.90	0.00	0.00	0.00	0.00	4.87	11.77
1480	0.83	0.39	0.00	0.00	0.00	0.00	0.71	1.93	1.04	0.40	0.00	0.00	0.00	0.00	1.01	2.45
1485	1.16	0.54	0.00	0.00	0.00	0.00	0.99	2.69	1.45	0.55	0.00	0.00	0.00	0.00	1.41	3.41
1490	1.71	0.79	0.00	0.00	0.00	0.00	1.45	3.95	2.13	0.81	0.00	0.00	0.00	0.00	2.07	5.01
1495	1.85	0.86	0.00	0.00	0.00	0.00	1.58	4.29	2.31	0.88	0.00	0.00	0.00	0.00	2.25	5.44
1500	2.33	1.08	0.00	0.00	0.00	0.00	1.98	5.39	2.91	1.10	0.00	0.00	0.00	0.00	2.83	6.84
1505	2.56	1.18	0.00	0.00	0.00	0.00	2.18	5.92	3.20	1.22	0.00	0.00	0.00	0.00	3.12	7.54
1510	2.94	1.36	0.00	0.00	0.00	0.00	2.51	6.81	3.68	1.40	0.00	0.00	0.00	0.00	3.58	8.66
1515	3.18	1.47	0.00	0.00	0.00	0.00	2.71	7.36	3.97	1.51	0.00	0.00	0.00	0.00	3.87	9.35
1520	3.43	1.58	0.00	0.00	0.00	0.00	2.92	7.93	4.28	1.63	0.00	0.00	0.00	0.00	4.17	10.08
1525	3.68	1.70	0.00	0.00	0.00	0.00	3.13	8.51	4.60	1.74	0.00	0.00	0.00	0.00	4.47	10.81
1530	3.89	1.80	0.00	0.00	0.00	0.00	3.31	9.00	4.87	1.85	0.00	0.00	0.00	0.00	4.73	11.45
1535	4.10	1.89	0.00	0.00	0.00	0.00	3.49	9.48	5.12	1.94	0.00	0.00	0.00	0.00	4.98	12.04
1540	4.33	2.00	0.00	0.00	0.00	0.00	3.68	10.01	5.41	2.05	0.00	0.00	0.00	0.00	5.26	12.72
1545	4.52	2.09	0.00	0.00	0.00	0.00	3.85	10.46	5.65	2.14	0.00	0.00	0.00	0.00	5.50	13.29
1550	4.71	2.18	0.00	0.00	0.00	0.00	4.01	10.90	5.89	2.24	0.00	0.00	0.00	0.00	5.73	13.86
1560	1.32	0.61	0.00	0.00	0.00	0.00	1.12	3.05	1.65	0.63	0.00	0.00	0.00	0.00	1.60	3.88
1565	1.35	0.62	0.00	0.00	0.00	0.00	1.15	3.12	1.69	0.64	0.00	0.00	0.00	0.00	1.64	3.97
1570	1.95	0.90	0.00	0.00	0.00	0.00	1.66	4.51	2.44	0.92	0.00	0.00	0.00	0.00	2.37	5.73
1575	2.40	1.11	0.00	0.00	0.00	0.00	2.04	5.55	3.00	1.14	0.00	0.00	0.00	0.00	2.92	7.06
1580	2.71	1.25	0.00	0.00	0.00	0.00	2.30	6.26	3.38	1.28	0.00	0.00	0.00	0.00	3.29	7.95
1585	2.95	1.37	0.00	0.00	0.00	0.00	2.51	6.83	3.69	1.40	0.00	0.00	0.00	0.00	3.59	8.68
1590	3.19	1.47	0.00	0.00	0.00	0.00	2.72	7.38	3.99	1.51	0.00	0.00	0.00	0.00	3.88	9.38
1595	3.40	1.57	0.00	0.00	0.00	0.00	2.89	7.86	4.25	1.61	0.00	0.00	0.00	0.00	4.13	9.99
1600	3.55	1.64	0.00	0.00	0.00	0.00	3.02	8.21	4.43	1.68	0.00	0.00	0.00	0.00	4.31	10.42
1605	3.85	1.78	0.00	0.00	0.00	0.00	3.28	8.91	4.82	1.83	0.00	0.00	0.00	0.00	4.69	11.34
1610	4.10	1.90	0.00	0.00	0.00	0.00	3.49	9.49	5.13	1.94	0.00	0.00	0.00	0.00	4.99	12.06
1615	4.33	2.00	0.00	0.00	0.00	0.00	3.68	10.01	5.41	2.05	0.00	0.00	0.00	0.00	5.26	12.72
1620	4.57	2.11	0.00	0.00	0.00	0.00	3.89	10.57	5.72	2.17	0.00	0.00	0.00	0.00	5.56	13.45
1625	4.76	2.20	0.00	0.00	0.00	0.00	4.05	11.01	5.95	2.26	0.00	0.00	0.00	0.00	5.78	13.99
1630	5.00	2.31	0.00	0.00	0.00	0.00	4.25	11.56	6.25	2.37	0.00	0.00	0.00	0.00	6.08	14.70
1640	0.12	0.06	0.00	0.00	0.00	0.00	0.11	0.29								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1645	0.16	0.08	0.00	0.00	0.00	0.00	0.14	0.38								
1650	0.20	0.10	0.00	0.00	0.00	0.00	0.18	0.48								
1655	0.29	0.15	0.00	0.00	0.00	0.00	0.26	0.70								
1660	0.36	0.18	0.00	0.00	0.00	0.00	0.33	0.87								
1670	0.51	0.26	0.00	0.00	0.00	0.00	0.46	1.23								
1675	0.53	0.27	0.00	0.00	0.00	0.00	0.48	1.28								
1680	0.55	0.28	0.00	0.00	0.00	0.00	0.50	1.33								
1685	0.73	0.37	0.00	0.00	0.00	0.00	0.67	1.77								
1690	0.77	0.39	0.00	0.00	0.00	0.00	0.70	1.86								
1695	1.11	0.56	0.00	0.00	0.00	0.00	1.00	2.67								
1700	1.32	0.67	0.00	0.00	0.00	0.00	1.20	3.19								
1710	0.58	0.30	0.00	0.00	0.00	0.00	0.53	1.41								
1715	0.65	0.33	0.00	0.00	0.00	0.00	0.59	1.57								
1720	0.76	0.38	0.00	0.00	0.00	0.00	0.69	1.83								
1725	0.84	0.43	0.00	0.00	0.00	0.00	0.76	2.03								
1730	0.99	0.50	0.00	0.00	0.00	0.00	0.90	2.39								
1745	0.30	0.14	0.00	0.00	0.00	0.00	0.25	0.69	0.37	0.14	0.00	0.00	0.00	0.00	0.36	0.87
1750	0.35	0.16	0.00	0.00	0.00	0.00	0.30	0.81	0.44	0.17	0.00	0.00	0.00	0.00	0.43	1.04
1755	0.43	0.20	0.00	0.00	0.00	0.00	0.37	1.00	0.54	0.20	0.00	0.00	0.00	0.00	0.52	1.26
1760	0.51	0.24	0.00	0.00	0.00	0.00	0.43	1.18	0.64	0.24	0.00	0.00	0.00	0.00	0.62	1.50
1765	0.60	0.28	0.00	0.00	0.00	0.00	0.51	1.39	0.75	0.28	0.00	0.00	0.00	0.00	0.73	1.76
1770	0.74	0.34	0.00	0.00	0.00	0.00	0.63	1.71	0.92	0.35	0.00	0.00	0.00	0.00	0.90	2.17
1775	0.81	0.38	0.00	0.00	0.00	0.00	0.69	1.88	1.02	0.39	0.00	0.00	0.00	0.00	0.99	2.40
1780	1.00	0.46	0.00	0.00	0.00	0.00	0.85	2.31	1.24	0.47	0.00	0.00	0.00	0.00	1.21	2.92
1785	1.06	0.49	0.00	0.00	0.00	0.00	0.90	2.45	1.32	0.50	0.00	0.00	0.00	0.00	1.28	3.10
1790	1.28	0.59	0.00	0.00	0.00	0.00	1.09	2.96	1.60	0.61	0.00	0.00	0.00	0.00	1.55	3.76
1795	1.38	0.64	0.00	0.00	0.00	0.00	1.18	3.20	1.73	0.66	0.00	0.00	0.00	0.00	1.68	4.07
1800	1.51	0.70	0.00	0.00	0.00	0.00	1.29	3.50	1.89	0.72	0.00	0.00	0.00	0.00	1.84	4.45
1805	1.68	0.78	0.00	0.00	0.00	0.00	1.43	3.89	2.10	0.80	0.00	0.00	0.00	0.00	2.04	4.94
1810	1.94	0.90	0.00	0.00	0.00	0.00	1.65	4.49	2.42	0.92	0.00	0.00	0.00	0.00	2.36	5.70
1815	2.10	0.97	0.00	0.00	0.00	0.00	1.79	4.86	2.63	1.00	0.00	0.00	0.00	0.00	2.56	6.19
1820	2.58	1.19	0.00	0.00	0.00	0.00	2.20	5.97	3.23	1.23	0.00	0.00	0.00	0.00	3.14	7.60
1825	2.97	1.37	0.00	0.00	0.00	0.00	2.53	6.87	3.71	1.41	0.00	0.00	0.00	0.00	3.61	8.73
1835	0.34	0.16	0.00	0.00	0.00	0.00	0.29	0.79	0.43	0.16	0.00	0.00	0.00	0.00	0.42	1.01
1840	0.42	0.19	0.00	0.00	0.00	0.00	0.36	0.97	0.53	0.20	0.00	0.00	0.00	0.00	0.51	1.24
1845	0.52	0.24	0.00	0.00	0.00	0.00	0.44	1.20	0.65	0.25	0.00	0.00	0.00	0.00	0.64	1.54
1850	0.62	0.29	0.00	0.00	0.00	0.00	0.53	1.44	0.78	0.30	0.00	0.00	0.00	0.00	0.76	1.84
1855	0.72	0.33	0.00	0.00	0.00	0.00	0.61	1.66	0.90	0.34	0.00	0.00	0.00	0.00	0.88	2.12
1860	0.86	0.40	0.00	0.00	0.00	0.00	0.73	1.99	1.08	0.41	0.00	0.00	0.00	0.00	1.05	2.54
1865	0.95	0.44	0.00	0.00	0.00	0.00	0.81	2.20	1.19	0.45	0.00	0.00	0.00	0.00	1.16	2.80
1870	1.14	0.53	0.00	0.00	0.00	0.00	0.97	2.64	1.43	0.54	0.00	0.00	0.00	0.00	1.39	3.36
1875	1.22	0.56	0.00	0.00	0.00	0.00	1.04	2.82	1.53	0.58	0.00	0.00	0.00	0.00	1.49	3.60
1880	1.57	0.72	0.00	0.00	0.00	0.00	1.33	3.62	1.96	0.74	0.00	0.00	0.00	0.00	1.90	4.60
1885	1.62	0.75	0.00	0.00	0.00	0.00	1.38	3.75	2.02	0.77	0.00	0.00	0.00	0.00	1.97	4.76
1890	1.85	0.85	0.00	0.00	0.00	0.00	1.57	4.27	2.31	0.88	0.00	0.00	0.00	0.00	2.25	5.44
1895	2.04	0.94	0.00	0.00	0.00	0.00	1.73	4.71	2.54	0.97	0.00	0.00	0.00	0.00	2.47	5.98
1900	2.44	1.13	0.00	0.00	0.00	0.00	2.08	5.65	3.05	1.16	0.00	0.00	0.00	0.00	2.96	7.17
1905	2.60	1.20	0.00	0.00	0.00	0.00	2.21	6.01	3.25	1.23	0.00	0.00	0.00	0.00	3.16	7.64
1910	3.31	1.53	0.00	0.00	0.00	0.00	2.82	7.66	4.14	1.57	0.00	0.00	0.00	0.00	4.02	9.73
1915	3.68	1.70	0.00	0.00	0.00	0.00	3.14	8.52	4.61	1.75	0.00	0.00	0.00	0.00	4.48	10.84
1925	1.37	0.64	0.00	0.00	0.00	0.00	1.17	3.18	1.72	0.65	0.00	0.00	0.00	0.00	1.67	4.04
1930	1.43	0.66	0.00	0.00	0.00	0.00	1.22	3.31	1.79	0.68	0.00	0.00	0.00	0.00	1.74	4.21
1935	1.60	0.74	0.00	0.00	0.00	0.00	1.36	3.70	2.00	0.76	0.00	0.00	0.00	0.00	1.95	4.71
1940	2.14	0.99	0.00	0.00	0.00	0.00	1.82	4.95	2.68	1.02	0.00	0.00	0.00	0.00	2.60	6.30
1945	2.39	1.11	0.00	0.00	0.00	0.00	2.04	5.54	2.99	1.14	0.00	0.00	0.00	0.00	2.91	7.04

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
1950	2.47	1.14	0.00	0.00	0.00	0.00	2.10	5.71	3.09	1.17	0.00	0.00	0.00	0.00	3.01	7.27
1955	2.65	1.22	0.00	0.00	0.00	0.00	2.25	6.12	3.31	1.26	0.00	0.00	0.00	0.00	3.22	7.79
1960	3.37	1.56	0.00	0.00	0.00	0.00	2.87	7.80	4.21	1.60	0.00	0.00	0.00	0.00	4.10	9.91
1965	3.46	1.60	0.00	0.00	0.00	0.00	2.95	8.01	4.33	1.64	0.00	0.00	0.00	0.00	4.21	10.18
1970	4.41	2.04	0.00	0.00	0.00	0.00	3.75	10.20	5.51	2.09	0.00	0.00	0.00	0.00	5.36	12.96
1975	4.56	2.11	0.00	0.00	0.00	0.00	3.88	10.55	5.70	2.16	0.00	0.00	0.00	0.00	5.54	13.40
1980	5.42	2.50	0.00	0.00	0.00	0.00	4.61	12.53	6.77	2.57	0.00	0.00	0.00	0.00	6.59	15.93
1985	5.73	2.65	0.00	0.00	0.00	0.00	4.88	13.26	7.16	2.72	0.00	0.00	0.00	0.00	6.97	16.85
1995	0.82	0.38	0.00	0.00	0.00	0.00	0.69	1.89	1.02	0.39	0.00	0.00	0.00	0.00	0.99	2.40
2000	1.04	0.48	0.00	0.00	0.00	0.00	0.89	2.41	1.31	0.50	0.00	0.00	0.00	0.00	1.27	3.08
2005	1.43	0.66	0.00	0.00	0.00	0.00	1.22	3.31	1.79	0.68	0.00	0.00	0.00	0.00	1.74	4.21
2010	1.89	0.88	0.00	0.00	0.00	0.00	1.61	4.38	2.37	0.90	0.00	0.00	0.00	0.00	2.30	5.57
2015	2.83	1.31	0.00	0.00	0.00	0.00	2.41	6.55	3.54	1.34	0.00	0.00	0.00	0.00	3.44	8.32
2020	3.23	1.49	0.00	0.00	0.00	0.00	2.75	7.47	4.03	1.53	0.00	0.00	0.00	0.00	3.92	9.48
2025	3.91	1.81	0.00	0.00	0.00	0.00	3.33	9.05	4.89	1.85	0.00	0.00	0.00	0.00	4.75	11.49
2030	4.75	2.20	0.00	0.00	0.00	0.00	4.05	11.00	5.94	2.25	0.00	0.00	0.00	0.00	5.78	13.97
2035	5.77	2.67	0.00	0.00	0.00	0.00	4.91	13.35	7.21	2.74	0.00	0.00	0.00	0.00	7.01	16.96
2040	6.70	3.09	0.00	0.00	0.00	0.00	5.70	15.49	8.37	3.18	0.00	0.00	0.00	0.00	8.14	19.69
2050	0.22	0.07	0.31	0.08	0.00	0.00	0.35	1.03								
2055	0.17	0.06	0.31	0.08	0.00	0.00	0.28	0.90								
2060	0.24	0.08	0.52	0.13	0.00	0.00	0.38	1.35								
2065	0.31	0.10	0.52	0.13	0.00	0.00	0.49	1.55								
2070	0.40	0.13	0.63	0.15	0.00	0.00	0.63	1.94								
2075	0.15	0.05	0.31	0.08	0.00	0.00	0.25	0.84								
2080	0.24	0.08	0.73	0.18	0.00	0.00	0.38	1.61								
2085	0.23	0.08	0.42	0.10	0.00	0.00	0.37	1.20								
2090	0.29	0.09	0.42	0.10	0.00	0.00	0.46	1.36								
2095	0.20	0.06	0.42	0.10	0.00	0.00	0.32	1.10								
2100	0.41	0.13	0.24	0.06	0.00	0.00	0.65	1.49								
2105	0.70	0.23	0.24	0.06	0.00	0.00	1.11	2.34								
2110	1.23	0.40	0.24	0.06	0.00	0.00	1.95	3.88								
2115	0.95	0.31	0.24	0.06	0.00	0.00	1.51	3.07								
2120	1.18	0.39	0.19	0.05	0.00	0.00	1.87	3.68								
2125	1.64	0.54	0.38	0.09	0.00	0.00	2.60	5.25								
2130	2.04	0.67	0.62	0.15	0.00	0.00	3.23	6.71								
2135	0.46	0.15	0.94	0.23	0.00	0.00	0.72	2.50								
2140	0.48	0.16	0.33	0.08	0.00	0.00	0.76	1.81								
2145	0.77	0.25	0.48	0.11	0.00	0.00	1.22	2.83								
2150	1.57	0.51	0.48	0.11	0.00	0.00	2.50	5.17								
2155	1.52	0.50	0.38	0.09	0.00	0.00	2.41	4.90								
2160	1.71	0.56	0.38	0.09	0.00	0.00	2.72	5.46								
2170	0.22	0.08	0.41	0.13	0.00	0.00	0.24	1.08								
2180	0.18	0.06	0.57	0.18	0.00	0.00	0.20	1.19								
2185	0.70	0.25	1.31	0.42	0.00	0.00	0.79	3.47								
2190	0.91	0.32	1.31	0.42	0.00	0.00	1.01	3.97								
2200	0.07	0.03	0.03	0.01	0.02	0.00	0.08	0.24								
2205	0.07	0.03	0.03	0.01	0.02	0.00	0.08	0.24								
2210	0.24	0.09	0.57	0.18	0.02	0.00	0.27	1.37								
2215	0.19	0.07	0.57	0.18	0.02	0.00	0.22	1.25								
2225	10.41	5.30	4.86	1.36	0.00	0.00	12.17	34.10								
2230	18.37	9.35	7.11	1.99	0.00	0.00	21.46	58.28								
2235	32.35	16.47	8.55	2.39	0.00	0.00	37.80	97.56								
2245	2.13	1.09	4.93	1.58	0.04	0.01	2.49	12.27								
2250	9.49	4.83	3.42	0.96	0.00	0.00	11.09	29.79								
2260	2.43	1.03	0.60	0.17	0.06	0.01	2.88	7.18								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
2265	2.79	1.17	1.01	0.28	0.04	0.01	3.29	8.59								
2270	0.79	0.34	0.00	0.19	0.04	0.01	0.93	2.30								
2275	1.58	0.67	0.00	0.31	0.04	0.01	1.86	4.47								
2285	4.35	1.82	3.12	0.87	0.02	0.00	5.13	15.31								
2295	5.60	2.35	5.04	1.41	0.02	0.00	6.61	21.03								
2300	14.05	5.92	13.41	3.75	0.23	0.03	16.59	53.98								
2310	4.43	1.86	3.38	0.95	0.02	0.00	5.22	15.86								
2315	6.86	2.90	7.66	2.15	0.12	0.02	8.10	27.81								
2320	7.05	2.98	7.66	2.15	0.12	0.02	8.32	28.30								
2325	9.41	3.95	8.92	2.50	0.06	0.01	11.09	35.94								
2330	12.08	5.06	15.12	4.23	0.06	0.01	14.24	50.80								
2335	14.67	6.25	11.17	3.13	0.58	0.09	17.36	53.25								
2340	21.44	9.09	11.17	3.13	0.60	0.09	25.33	70.85								
2345	26.77	11.36	15.26	4.27	0.79	0.12	31.64	90.21								
2355	0.17	0.07	0.84	0.27	0.00	0.00	0.20	1.55								
2360	0.19	0.08	1.26	0.40	0.00	0.00	0.22	2.15								
2365	0.19	0.08	1.47	0.47	0.00	0.00	0.23	2.44								
2370	0.41	0.17	1.47	0.47	0.00	0.00	0.48	3.00								
2375	0.52	0.22	1.88	0.60	0.00	0.00	0.61	3.83								
2380	0.52	0.22	2.41	0.77	0.00	0.00	0.62	4.54								
2385	0.84	0.35	3.14	1.00	0.00	0.00	0.99	6.32								
2390	1.13	0.47	6.80	2.18	0.00	0.00	1.33	11.91								
2400	12.97	7.84	2.51	0.80	0.00	0.00	12.02	36.14	15.56	7.97	3.18	1.02	0.00	0.00	16.49	44.22
2405	14.39	10.71	3.08	0.62	0.00	0.00	15.25	44.05	16.61	10.82	3.90	0.78	0.00	0.00	19.80	51.91
2410	14.48	10.77	2.46	0.49	0.00	0.00	12.47	40.67	16.71	10.88	3.18	0.64	0.00	0.00	15.49	46.90
2420	15.79	11.75	2.46	0.49	0.00	0.00	13.60	44.09	18.22	11.87	3.18	0.64	0.00	0.00	16.90	50.81
2430	16.61	12.36	2.46	0.49	0.00	0.00	14.30	46.22	19.17	12.48	3.18	0.64	0.00	0.00	17.77	53.24
2440	19.70	14.66	4.54	0.91	0.00	0.00	20.88	60.69	22.73	14.81	5.75	1.15	0.00	0.00	27.10	71.54
2445	19.29	14.35	3.63	0.73	0.00	0.00	16.61	54.61	22.25	14.50	4.69	0.94	0.00	0.00	20.64	63.02
2455	17.04	15.05	3.63	0.80	0.00	0.00	16.93	53.45	19.17	15.15	4.69	1.03	0.00	0.00	20.32	60.36
2465	21.09	18.63	3.63	0.80	0.00	0.00	20.95	65.10	23.73	18.76	4.69	1.03	0.00	0.00	25.15	73.36
2475	27.70	24.47	6.20	1.36	0.00	0.00	27.52	87.25	31.16	24.63	8.01	1.76	0.00	0.00	33.02	98.58
2485	29.34	25.92	6.20	1.36	0.00	0.00	29.15	91.97	33.01	26.09	8.01	1.76	0.00	0.00	34.98	103.85
2490	27.85	24.60	7.75	1.70	0.00	0.00	33.20	95.10	31.33	24.77	9.82	2.16	0.00	0.00	41.50	109.58
2500	32.34	28.56	6.20	1.36	0.00	0.00	32.13	100.59	36.38	28.76	8.01	1.76	0.00	0.00	38.55	113.46
2510	30.59	29.86	6.20	1.49	0.00	0.00	34.44	102.58	33.99	30.02	8.01	1.92	0.00	0.00	40.52	114.46
2520	32.73	31.95	6.20	1.49	0.00	0.00	36.86	109.23	36.37	32.12	8.01	1.92	0.00	0.00	43.36	121.78
2535	13.72	8.30	3.10	0.99	0.00	0.00	12.73	38.84	16.47	8.44	3.93	1.26	0.00	0.00	17.45	47.55
2540	11.22	8.35	2.48	0.50	0.00	0.00	9.66	32.21	12.94	8.43	3.21	0.64	0.00	0.00	12.00	37.22
2550	21.30	10.91	4.54	0.91	0.00	0.00	22.57	60.23	26.62	11.17	5.96	1.19	0.00	0.00	31.74	76.68
2555	15.82	11.77	3.89	0.78	0.00	0.00	16.76	49.02	18.25	11.89	4.92	0.98	0.00	0.00	21.76	57.80
2560	15.90	11.83	3.11	0.62	0.00	0.00	13.69	45.15	18.34	11.95	4.02	0.80	0.00	0.00	17.01	52.12
2570	30.32	15.53	5.61	1.12	0.00	0.00	32.13	84.71	37.90	15.90	7.37	1.47	0.00	0.00	45.18	107.82
2575	20.72	15.42	4.81	0.96	0.00	0.00	21.96	63.87	23.91	15.57	6.09	1.22	0.00	0.00	28.50	75.29
2585	38.54	21.12	6.46	1.42	0.00	0.00	43.10	110.64	46.25	21.49	8.49	1.87	0.00	0.00	57.46	135.56
2590	36.89	20.21	6.46	1.42	0.00	0.00	41.25	106.23	44.27	20.57	8.49	1.87	0.00	0.00	55.00	130.20
2595	23.84	21.05	5.53	1.22	0.00	0.00	28.42	80.06	26.82	21.20	7.01	1.54	0.00	0.00	35.52	92.09
2600	23.32	20.60	4.43	0.97	0.00	0.00	23.17	72.49	26.23	20.74	5.72	1.26	0.00	0.00	27.80	81.75
2610	29.35	25.92	5.25	1.15	0.00	0.00	29.16	90.83	33.02	26.10	6.78	1.49	0.00	0.00	34.99	102.38
2615	28.05	24.77	6.56	1.44	0.00	0.00	33.44	94.26	31.56	24.94	8.31	1.83	0.00	0.00	41.80	108.44
2625	46.44	25.44	7.75	1.70	0.00	0.00	51.93	133.26	55.73	25.89	10.18	2.24	0.00	0.00	69.24	163.28
2630	43.93	24.06	7.75	1.70	0.00	0.00	49.12	126.56	52.71	24.49	10.18	2.24	0.00	0.00	65.49	155.11
2635	26.05	23.01	6.64	1.46	0.00	0.00	31.05	88.21	29.30	23.16	8.41	1.85	0.00	0.00	38.82	101.54
2645	56.51	35.66	11.50	2.76	0.00	0.00	77.22	183.65	65.93	36.12	15.11	3.63	0.00	0.00	98.29	219.08
2650	30.53	29.80	9.85	2.37	0.00	0.00	40.44	112.99	33.92	29.96	12.48	3.00	0.00	0.00	49.43	128.79

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
2665	10.51	7.82	2.38	0.48	0.00	0.00	9.05	30.24	12.13	7.90	3.07	0.61	0.00	0.00	11.25	34.96
2675	14.00	12.36	3.56	0.78	0.00	0.00	13.91	44.61	15.75	12.45	4.60	1.01	0.00	0.00	16.69	50.50
2685	19.59	17.30	3.67	0.81	0.00	0.00	19.46	60.83	22.04	17.42	4.74	1.04	0.00	0.00	23.35	68.59
2695	29.64	26.18	5.29	1.16	0.00	0.00	29.44	91.71	33.34	26.35	6.84	1.50	0.00	0.00	35.33	103.36
2710	19.52	17.24	7.75	1.70	0.00	0.00	23.28	69.49	21.96	17.36	9.82	2.16	0.00	0.00	29.09	80.39
2715	21.12	18.66	6.20	1.36	0.00	0.00	20.99	68.33	23.76	18.78	8.01	1.76	0.00	0.00	25.18	77.49
2725	24.84	21.94	8.10	1.78	0.00	0.00	29.62	86.28	27.95	22.09	10.26	2.26	0.00	0.00	37.02	99.58
2730	25.16	22.22	6.48	1.43	0.00	0.00	25.00	80.29	28.31	22.38	8.37	1.84	0.00	0.00	30.00	90.90
2740	33.05	29.20	9.72	2.14	0.00	0.00	39.41	113.52	37.19	29.40	12.31	2.71	0.00	0.00	49.26	130.87
2745	30.12	29.39	7.78	1.87	0.00	0.00	33.91	103.07	33.46	29.56	10.04	2.41	0.00	0.00	39.90	115.37
2755	46.99	45.86	14.80	3.55	0.00	0.00	52.91	164.11	52.21	46.11	19.11	4.59	0.00	0.00	62.24	184.26
2760	47.76	46.62	18.49	4.44	0.00	0.00	63.27	180.58	53.07	46.87	23.43	5.62	0.00	0.00	77.33	206.32
2775	14.67	10.92	6.43	1.29	0.00	0.00	15.55	48.86	16.93	11.03	8.14	1.63	0.00	0.00	20.18	57.91
2780	14.51	10.80	5.14	1.03	0.00	0.00	12.49	43.97	16.74	10.90	6.64	1.33	0.00	0.00	15.52	51.13
2790	37.15	19.03	8.28	1.66	0.00	0.00	39.37	105.49	46.44	19.48	10.89	2.18	0.00	0.00	55.37	134.36
2795	21.04	15.66	7.10	1.42	0.00	0.00	22.30	67.52	24.28	15.82	8.99	1.80	0.00	0.00	28.95	79.84
2800	20.83	15.50	5.68	1.14	0.00	0.00	17.93	61.08	24.03	15.65	7.34	1.47	0.00	0.00	22.28	70.77
2810	20.53	18.13	7.10	1.56	0.00	0.00	24.47	71.79	23.09	18.25	8.99	1.98	0.00	0.00	30.59	82.90
2815	20.35	17.97	5.68	1.25	0.00	0.00	20.21	65.46	22.89	18.09	7.34	1.61	0.00	0.00	24.26	74.19
2825	54.39	29.80	11.28	2.48	0.00	0.00	60.82	158.77	65.27	30.32	14.82	3.26	0.00	0.00	81.09	194.76
2830	30.50	26.94	9.67	2.13	0.00	0.00	36.36	105.60	34.31	27.12	12.24	2.69	0.00	0.00	45.45	121.81
2835	31.52	27.84	7.73	1.70	0.00	0.00	31.31	100.10	35.45	28.03	9.99	2.20	0.00	0.00	37.57	113.24
2845	28.02	27.34	12.31	2.95	0.00	0.00	37.11	107.73	31.13	27.50	15.60	3.74	0.00	0.00	45.36	123.33
2850	32.28	28.51	9.85	2.17	0.00	0.00	32.07	104.88	36.31	28.71	12.72	2.80	0.00	0.00	38.48	119.02
2865	16.10	11.98	3.78	0.76	0.00	0.00	17.06	49.68	18.58	12.10	4.79	0.96	0.00	0.00	22.15	58.58
2870	13.67	12.08	3.02	0.67	0.00	0.00	13.59	43.03	15.38	12.16	3.91	0.86	0.00	0.00	16.30	48.61
2880	20.12	14.97	5.35	1.07	0.00	0.00	21.32	62.83	23.21	15.12	6.77	1.35	0.00	0.00	27.67	74.12
2885	17.21	15.20	4.28	0.94	0.00	0.00	17.10	54.73	19.36	15.31	5.52	1.22	0.00	0.00	20.52	61.93
2890	20.20	17.84	6.37	1.40	0.00	0.00	24.08	69.89	22.72	17.96	8.07	1.78	0.00	0.00	30.10	80.63
2895	20.92	18.48	5.10	1.12	0.00	0.00	20.79	66.41	23.54	18.61	6.58	1.45	0.00	0.00	24.95	75.13
2900	56.43	55.07	8.16	1.96	0.00	0.00	63.54	185.16	62.70	55.38	10.55	2.53	0.00	0.00	74.75	205.91
2910	5.62	4.18	3.83	1.15	0.89	0.13	4.92	20.72								
2915	6.04	4.48	3.93	1.18	0.89	0.13	5.29	21.94								
2920	6.72	5.03	3.93	1.18	1.21	0.18	5.89	24.14								
2925	7.37	5.50	3.93	1.18	1.25	0.19	6.46	25.88								
2930	9.85	7.33	5.34	1.60	1.09	0.16	8.62	33.99								
2935	13.52	10.15	5.81	1.74	2.66	0.40	11.85	46.13								
2940	16.03	12.10	5.81	1.74	3.49	0.52	14.07	53.76								
2945	19.88	14.91	7.11	2.13	3.76	0.56	17.43	65.78								
2950	25.48	19.24	7.87	2.36	5.53	0.83	22.36	83.67								
2955	48.43	36.30	17.51	5.25	9.11	1.37	42.45	160.42								
2965	5.85	4.28	3.90	1.17	0.54	0.08	5.11	20.93								
2970	6.25	4.57	4.14	1.24	0.54	0.08	5.46	22.28								
2975	9.50	7.10	6.16	1.85	1.70	0.25	8.32	34.88								
2985	5.91	4.32	4.27	1.28	0.54	0.08	5.16	21.56								
2990	6.08	4.45	4.27	1.28	0.54	0.08	5.31	22.01								
2995	6.30	4.60	4.27	1.28	0.54	0.08	5.50	22.57								
3000	7.11	5.25	4.27	1.28	0.93	0.14	6.21	25.19								
3005	9.03	6.69	5.30	1.59	1.27	0.19	7.90	31.97								
3010	9.30	6.88	5.30	1.59	1.27	0.19	8.14	32.67								
3015	9.63	7.12	5.30	1.59	1.27	0.19	8.42	33.52								
3020	12.64	9.53	6.91	2.07	2.66	0.40	11.09	45.30								
3025	13.11	9.86	6.91	2.07	2.66	0.40	11.49	46.50								
3030	13.62	10.23	6.91	2.07	2.66	0.40	11.94	47.83								
3035	17.45	13.17	8.04	2.41	3.76	0.56	15.31	60.70								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	SEVERE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3045	5.29	3.86	4.04	1.21	0.44	0.07	4.62	19.53								
3050	5.42	3.97	4.04	1.21	0.54	0.08	4.73	19.99								
3055	5.63	4.12	4.04	1.21	0.54	0.08	4.92	20.54								
3060	6.44	4.77	4.04	1.21	0.93	0.14	5.63	23.16								
3065	14.30	10.71	6.43	1.93	2.66	0.40	12.53	48.96								
3075	9.38	7.66	5.88	1.53	0.76	0.11	7.02	32.34	10.56	7.71	7.53	1.96	0.92	0.14	8.56	37.38
3080	16.32	13.23	8.37	2.17	0.95	0.14	12.20	53.38	18.36	13.33	10.76	2.80	1.16	0.17	14.87	61.45
3090	10.82	7.39	5.88	2.12	0.51	0.08	6.74	33.54	12.48	7.47	7.74	2.79	0.62	0.09	8.55	39.74
3095	10.81	8.83	6.94	1.81	0.94	0.14	8.09	37.56	12.16	8.90	9.13	2.38	1.15	0.17	9.86	43.75
3100	13.51	10.99	7.28	1.89	0.95	0.14	10.10	44.86	15.20	11.07	9.58	2.49	1.16	0.17	12.31	51.98
3105	17.77	16.19	8.54	2.22	2.49	0.37	15.53	63.11	19.74	16.29	10.96	2.85	3.08	0.46	18.49	71.87
3110	27.65	24.89	8.86	2.30	2.49	0.37	24.13	90.69	30.72	25.05	11.33	2.95	3.08	0.46	28.73	102.32
3115	27.60	30.26	13.52	3.52	3.19	0.48	29.41	107.98	30.36	30.40	17.40	4.52	3.94	0.59	34.37	121.58
3125	10.67	7.31	7.39	2.66	0.61	0.09	6.65	35.38	12.32	7.40	9.72	3.50	0.75	0.11	8.44	42.24
3130	10.45	8.48	7.39	1.92	0.68	0.10	7.81	36.83	11.76	8.55	9.72	2.53	0.84	0.13	9.52	43.05
3135	12.73	10.33	8.34	2.17	0.81	0.12	9.51	44.01	14.32	10.41	10.98	2.85	0.99	0.15	11.59	51.29
3145	11.10	7.58	7.18	2.59	0.51	0.08	6.91	35.95	12.81	7.66	9.45	3.40	0.62	0.09	8.77	42.80
3150	11.69	9.52	8.34	2.17	0.90	0.13	8.74	41.49	13.15	9.59	10.98	2.85	1.10	0.17	10.65	48.49
3155	12.67	10.30	8.14	2.12	0.90	0.13	9.47	43.73	14.25	10.38	10.71	2.78	1.10	0.17	11.54	50.93
3160	18.23	16.60	12.48	3.25	2.49	0.37	15.94	69.36	20.25	16.70	16.42	4.27	3.08	0.46	18.97	80.15
3170	17.12	14.02	5.56	1.45	1.66	0.25	12.82	52.88	19.26	14.13	7.07	1.84	2.05	0.31	15.62	60.28
3175	15.90	14.36	5.56	1.45	1.66	0.25	13.88	53.06	17.66	14.45	7.07	1.84	2.05	0.31	16.53	59.91
3180	19.61	17.63	8.86	2.30	1.66	0.25	17.11	67.42	21.79	17.74	11.42	2.97	2.05	0.31	20.37	76.65
3185	22.38	20.17	9.68	2.52	2.11	0.32	19.53	76.71	24.87	20.29	12.38	3.22	2.61	0.39	23.26	87.02
3190	26.83	29.19	11.56	3.01	2.11	0.32	28.54	101.56	29.52	29.32	14.85	3.86	2.61	0.39	33.36	113.91
3195	35.64	39.26	12.89	3.35	4.86	0.73	38.02	134.75	39.21	39.44	16.51	4.29	6.00	0.90	44.43	150.78
3205	15.54	12.75	5.39	1.40	1.66	0.25	11.63	48.62	17.48	12.85	6.85	1.78	2.05	0.31	14.18	55.50
3210	21.50	19.34	7.82	2.03	1.85	0.28	18.76	71.58	23.89	19.46	9.96	2.59	2.29	0.34	22.34	80.87
3215	21.41	23.39	8.02	2.09	2.11	0.32	22.80	80.14	23.55	23.50	10.23	2.66	2.61	0.39	26.64	89.58
3225	16.22	14.65	6.84	1.78	1.66	0.25	14.17	55.57	18.03	14.74	8.74	2.27	2.05	0.31	16.86	63.00
3230	19.90	17.93	9.03	2.35	1.85	0.28	17.37	68.71	22.11	18.04	11.60	3.02	2.29	0.34	20.68	78.08
3235	20.68	22.62	9.51	2.47	2.12	0.32	22.02	79.74	22.75	22.72	12.21	3.18	2.59	0.39	25.74	89.58
3245	13.57	9.27	4.14	1.49	0.66	0.10	8.45	37.68	15.66	9.37	5.25	1.89	0.83	0.12	10.72	43.84
3250	12.64	10.25	4.38	1.14	0.77	0.12	9.45	38.75	14.22	10.33	5.55	1.44	0.96	0.14	11.52	44.16
3255	14.15	11.50	4.64	1.21	1.00	0.15	10.58	43.23	15.91	11.59	5.87	1.53	1.23	0.19	12.89	49.21
3260	18.13	14.82	6.23	1.62	1.66	0.25	13.57	56.28	20.40	14.94	7.96	2.07	2.05	0.31	16.54	64.27
3265	17.96	16.18	6.36	1.65	1.66	0.25	15.67	59.73	19.95	16.28	8.11	2.11	2.05	0.31	18.66	67.47
3270	20.07	18.13	7.87	2.05	2.11	0.32	17.52	68.07	22.30	18.24	9.99	2.60	2.61	0.39	20.86	76.99
3275	24.62	22.14	8.52	2.21	2.11	0.32	21.48	81.40	27.36	22.28	10.85	2.82	2.61	0.39	25.58	91.89
3280	22.25	24.29	9.58	2.49	2.11	0.32	23.69	84.73	24.48	24.40	12.24	3.18	2.61	0.39	27.68	94.98
3285	48.98	53.16	15.53	4.04	3.42	0.51	52.07	177.71	53.88	53.41	19.97	5.19	4.22	0.63	60.86	198.16
3295	10.48	11.47	2.16	6.06	0.00	0.00	12.80	42.97								
3300	0.46	0.50	0.00	0.00	0.00	0.00	0.56	1.52								
3305	1.70	1.86	0.00	0.00	0.00	0.00	2.07	5.63								
3310	13.18	14.42	3.78	6.87	0.00	0.00	16.10	54.35								
3315	0.46	0.50	0.00	0.00	0.00	0.00	0.56	1.52								
3320	1.70	1.86	0.00	0.00	0.00	0.00	2.07	5.63								
3325	16.12	17.64	3.78	6.87	0.00	0.00	19.69	64.10								
3330	0.58	0.63	0.00	0.00	0.00	0.00	0.71	1.92								
3335	1.76	1.92	0.00	0.00	0.00	0.00	2.15	5.83								
3340	18.67	20.42	5.94	7.95	0.00	0.00	22.81	75.79								
3345	0.62	0.68	0.00	0.00	0.00	0.00	0.76	2.06								
3350	3.34	3.66	0.00	0.00	0.00	0.00	4.08	11.08								
3355	19.75	21.61	5.94	7.95	0.00	0.00	24.13	79.38								
3360	0.58	0.63	0.00	0.00	0.00	0.00	0.71	1.92								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3365	3.50	3.82	0.00	0.00	0.00	0.00	4.27	11.59								
3375	5.65	2.85	0.00	0.80	0.00	0.00	6.41	15.71								
3380	5.32	2.68	0.00	0.80	0.00	0.00	6.04	14.84								
3385	5.87	2.96	0.00	0.80	0.00	0.00	6.66	16.29								
3390	7.16	3.61	0.00	0.85	0.00	0.00	8.13	19.75								
3395	7.98	4.03	0.00	0.90	0.00	0.00	9.06	21.97								
3405	6.29	3.17	0.00	0.80	0.00	0.00	7.14	17.40								
3410	6.86	3.46	0.00	0.85	0.00	0.00	7.78	18.95								
3415	9.57	4.83	4.23	1.02	0.00	0.00	10.86	30.51								
3425	3.14	1.59	0.00	0.51	0.00	0.00	3.57	8.81								
3430	5.56	2.80	0.00	0.81	0.00	0.00	6.31	15.48								
3435	6.55	3.31	0.00	0.81	0.00	0.00	7.44	18.11								
3440	8.10	4.09	0.00	0.91	0.00	0.00	9.20	22.30								
3445	17.35	8.75	6.98	1.68	0.00	0.00	19.70	54.46								
3455	1.42	0.72	0.00	0.31	0.00	0.00	1.62	4.07								
3460	0.91	0.46	0.00	0.31	0.00	0.00	1.03	2.71								
3465	0.14	0.07	0.00	0.25	0.00	0.00	0.15	0.61								
3475	2.41	1.22	1.86	0.45	0.00	0.00	2.73	8.67								
3480	1.65	0.83	0.85	0.20	0.00	0.00	1.87	5.40								
3490	1.36	0.69	1.12	0.18	0.00	0.00	1.54	4.89								
3495	2.07	1.05	2.89	0.46	0.00	0.00	2.35	8.82								
3500	2.47	1.24	1.69	0.41	0.00	0.00	2.80	8.61								
3505	2.84	1.43	2.28	0.55	0.00	0.00	3.22	10.32								
3510	3.41	1.72	2.54	0.61	0.00	0.00	3.87	12.15								
3520	1.43	0.72	1.68	0.27	0.00	0.00	1.63	5.73								
3525	2.22	1.12	2.07	0.50	0.00	0.00	2.52	8.43								
3535	13.16	9.64	8.88	3.38	0.00	0.00	14.94	50.00								
3540	17.07	12.68	12.86	4.89	1.26	0.19	19.44	68.39								
3545	15.90	11.77	18.40	6.99	0.86	0.13	18.09	72.14								
3555	15.47	11.51	9.52	3.62	1.25	0.19	17.62	59.18								
3560	23.64	17.56	14.17	5.38	1.71	0.26	26.92	89.64								
3565	25.17	18.68	14.80	5.63	1.71	0.26	28.66	94.91								
3570	18.27	13.39	17.34	6.59	0.00	0.00	20.75	76.34								
3575	20.20	14.80	17.34	6.59	0.00	0.00	22.94	81.87								
3580	22.88	21.98	22.17	7.09	0.00	0.00	25.98	100.10								
3585	42.23	40.57	20.30	10.15	0.00	0.00	23.98	137.23								
3605	1.27	0.66	0.65	0.29	0.05	0.01	1.17	4.10								
3610	1.28	0.67	0.65	0.29	0.06	0.01	1.18	4.14								
3615	1.34	0.71	0.65	0.29	0.08	0.01	1.24	4.32								
3620	1.86	0.97	1.15	0.52	0.09	0.01	1.71	6.31								
3625	1.90	0.99	1.15	0.52	0.09	0.01	1.75	6.41								
3630	2.10	1.09	1.69	0.76	0.09	0.01	1.93	7.67								
3635	2.58	1.35	1.91	0.86	0.14	0.02	2.38	9.24								
3640	2.72	1.42	1.91	0.86	0.12	0.02	2.50	9.55								
3645	2.89	1.50	1.91	0.86	0.08	0.01	2.66	9.91								
3650	1.23	0.63	2.81	0.67	0.03	0.00	1.13	6.50								
3655	1.60	0.84	3.64	0.87	0.11	0.02	1.47	8.55								
3660	1.60	0.86	3.64	0.87	0.19	0.03	1.48	8.67								
3665	2.26	1.19	4.78	1.15	0.13	0.02	2.09	11.62								
3670	2.29	1.20	4.78	1.15	0.13	0.02	2.11	11.68								
3675	2.39	1.25	4.78	1.15	0.13	0.02	2.20	11.92								
3680	3.44	1.80	5.01	1.20	0.19	0.03	3.17	14.84								
3685	3.71	1.94	2.39	0.57	0.19	0.03	3.42	12.25								
3690	4.81	2.57	4.27	1.03	0.45	0.07	4.45	17.65								
3695	5.26	2.80	4.27	1.03	0.45	0.07	4.86	18.74								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
3700	5.44	2.88	4.27	1.03	0.40	0.06	5.03	19.11								
3705	6.05	3.23	4.27	1.03	0.58	0.09	5.59	20.84								
3710	2.13	1.14	2.33	0.56	0.20	0.03	1.97	8.36								
3715	2.19	1.16	2.33	0.56	0.20	0.03	2.02	8.49								
3720	2.66	1.41	2.33	0.56	0.20	0.03	2.46	9.65								
3725	2.75	1.46	2.33	0.56	0.25	0.04	2.54	9.93								
3735	1.23	0.66	4.78	1.15	0.13	0.02	1.14	9.11								
3740	1.80	0.95	6.07	1.46	0.14	0.02	1.66	12.10								
3745	3.58	1.87	8.80	2.11	0.16	0.02	3.30	19.84								
3750	4.79	2.56	9.64	2.31	0.46	0.07	4.43	24.26								
3755	5.61	2.98	9.64	2.31	0.46	0.07	5.19	26.26								
3760	5.61	3.00	9.64	2.31	0.54	0.08	5.19	26.37								
3765	6.09	3.22	9.64	2.31	0.44	0.07	5.63	27.40								
3770	12.41	6.57	14.42	3.46	0.96	0.14	11.46	49.42								
3785	1.78	0.68	5.06	1.21	0.00	0.00	1.33	10.06	2.03	0.69	6.66	1.60	0.00	0.00	1.77	12.75
3790	2.33	0.89	6.40	1.53	0.00	0.00	1.74	12.89	2.66	0.91	8.41	2.02	0.00	0.00	2.32	16.32
3795	2.51	0.96	7.52	1.81	0.00	0.00	1.87	14.67	2.87	0.98	9.90	2.38	0.00	0.00	2.50	18.63
3800	2.70	1.03	9.92	2.38	0.00	0.00	2.01	18.04	3.09	1.05	13.05	3.13	0.00	0.00	2.68	23.00
3805	3.09	1.18	12.65	3.04	0.00	0.00	2.30	22.26	3.53	1.20	16.65	4.00	0.00	0.00	3.07	28.45
3810	3.67	1.40	12.65	3.04	0.00	0.00	2.73	23.49	4.20	1.43	16.65	4.00	0.00	0.00	3.65	29.93
3815	4.09	1.56	15.39	3.69	0.00	0.00	3.05	27.78	4.68	1.59	20.25	4.86	0.00	0.00	4.06	35.44
3820	4.94	1.88	17.10	4.10	0.00	0.00	3.68	31.70	5.65	1.92	22.50	5.40	0.00	0.00	4.91	40.38
3825	6.69	2.55	22.23	5.34	0.00	0.00	4.99	41.80	7.65	2.60	29.25	7.02	0.00	0.00	6.65	53.17
3830	8.93	3.40	28.90	6.94	0.00	0.00	6.65	54.82	10.20	3.47	38.02	9.13	0.00	0.00	8.86	69.68
3835	12.15	4.63	42.75	10.26	0.00	0.00	9.05	78.84	13.88	4.72	56.25	13.50	0.00	0.00	12.06	100.41
3840	15.94	6.08	49.59	11.90	0.00	0.00	11.87	95.38	18.21	6.19	65.25	15.66	0.00	0.00	15.83	121.14
3850	0.07	0.03	0.38	0.09	0.00	0.00	0.05	0.62	0.08	0.03	0.49	0.12	0.00	0.00	0.07	0.79
3855	0.11	0.04	0.61	0.15	0.00	0.00	0.08	0.99	0.13	0.04	0.79	0.19	0.00	0.00	0.11	1.26
3860	0.15	0.06	0.91	0.22	0.00	0.00	0.11	1.45	0.17	0.06	1.19	0.28	0.00	0.00	0.15	1.85
3875	0.15	0.06	0.46	0.11	0.00	0.00	0.11	0.89	0.17	0.06	0.59	0.14	0.00	0.00	0.15	1.11
3880	0.34	0.13	1.06	0.26	0.00	0.00	0.25	2.04	0.39	0.13	1.38	0.33	0.00	0.00	0.34	2.57
3885	0.37	0.14	1.52	0.36	0.00	0.00	0.28	2.67	0.43	0.15	1.98	0.47	0.00	0.00	0.37	3.40
3890	0.40	0.15	0.21	0.05	0.00	0.00	0.30	1.11	0.45	0.15	0.27	0.06	0.00	0.00	0.39	1.32
3895	0.53	0.20	0.41	0.10	0.00	0.00	0.39	1.63	0.60	0.20	0.54	0.13	0.00	0.00	0.52	1.99
3900	0.76	0.29	0.75	0.18	0.00	0.00	0.56	2.54	0.87	0.29	0.99	0.24	0.00	0.00	0.75	3.14
3905	0.78	0.30	0.92	0.22	0.00	0.00	0.58	2.80	0.89	0.30	1.21	0.29	0.00	0.00	0.78	3.47
3910	1.16	0.44	2.15	0.52	0.00	0.00	0.86	5.13	1.32	0.45	2.83	0.68	0.00	0.00	1.15	6.43
3915	1.53	0.58	2.98	0.71	0.00	0.00	1.14	6.94	1.75	0.59	3.91	0.94	0.00	0.00	1.52	8.71
3920	1.76	0.67	3.49	0.84	0.00	0.00	1.31	8.07	2.01	0.68	4.59	1.10	0.00	0.00	1.75	10.13
3925	2.09	0.80	5.54	1.33	0.00	0.00	1.56	11.32	2.39	0.81	7.29	1.75	0.00	0.00	2.08	14.32
3930	2.19	0.84	5.54	1.33	0.00	0.00	1.63	11.53	2.50	0.85	7.29	1.75	0.00	0.00	2.17	14.56
3935	2.55	0.97	7.18	1.72	0.00	0.00	1.90	14.32	2.91	0.99	9.45	2.27	0.00	0.00	2.53	18.15
3940	3.02	1.15	9.44	2.27	0.00	0.00	2.25	18.13	3.46	1.17	12.42	2.98	0.00	0.00	3.00	23.03
3950	0.09	0.04	0.38	0.09	0.00	0.00	0.07	0.67	0.11	0.04	0.49	0.12	0.00	0.00	0.09	0.85
3955	0.10	0.04	0.53	0.13	0.00	0.00	0.08	0.88	0.12	0.04	0.69	0.17	0.00	0.00	0.10	1.12
3960	0.15	0.06	0.61	0.15	0.00	0.00	0.11	1.08	0.17	0.06	0.79	0.19	0.00	0.00	0.14	1.35
3965	0.18	0.07	0.76	0.18	0.00	0.00	0.14	1.33	0.21	0.07	0.99	0.24	0.00	0.00	0.18	1.69
3970	0.19	0.07	1.21	0.29	0.00	0.00	0.14	1.90	0.22	0.07	1.58	0.38	0.00	0.00	0.19	2.44
3975	0.18	0.07	1.21	0.29	0.00	0.00	0.14	1.89	0.21	0.07	1.58	0.38	0.00	0.00	0.18	2.42
3990	6.12	4.21	3.94	1.34	0.45	0.07	5.22	21.35	7.34	4.27	5.17	1.76	0.60	0.09	7.31	26.54
3995	6.98	4.78	4.25	1.45	0.45	0.07	5.95	23.93	8.38	4.85	5.59	1.90	0.60	0.09	8.33	29.74
4000	7.50	5.14	4.25	1.45	0.49	0.07	6.40	25.30	9.00	5.22	5.59	1.90	0.66	0.10	8.95	31.42
4005	7.61	5.23	4.72	1.61	0.56	0.08	6.49	26.30	9.13	5.31	6.21	2.11	0.76	0.11	9.09	32.72
4010	10.46	7.31	5.67	1.93	1.24	0.19	8.97	35.77	12.55	7.42	7.45	2.53	1.68	0.25	12.55	44.43
4015	14.92	10.47	7.87	2.68	1.93	0.29	12.80	50.96	17.90	10.62	10.35	3.52	2.62	0.39	17.92	63.32

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4025	5.95	4.10	3.94	1.34	0.49	0.07	5.08	20.97	7.14	4.16	5.17	1.76	0.66	0.10	7.11	26.10
4030	6.71	4.62	4.54	1.54	0.54	0.08	5.73	23.76	8.05	4.69	5.96	2.03	0.73	0.11	8.02	29.59
4035	7.10	4.91	4.66	1.59	0.62	0.09	6.07	25.04	8.52	4.98	6.13	2.08	0.84	0.13	8.49	31.17
4040	7.77	5.33	5.70	1.94	0.54	0.08	6.63	27.99	9.32	5.41	7.49	2.55	0.73	0.11	9.28	34.89
4045	5.58	3.86	3.94	1.34	0.49	0.07	4.77	20.05	6.70	3.91	5.17	1.76	0.66	0.10	6.68	24.98
4050	6.17	4.27	4.54	1.54	0.54	0.08	5.27	22.41	7.41	4.33	5.96	2.03	0.73	0.11	7.38	27.95
4055	6.46	4.48	4.66	1.59	0.62	0.09	5.53	23.43	7.76	4.54	6.13	2.08	0.84	0.13	7.74	29.22
4060	7.07	4.89	5.70	1.94	0.62	0.09	6.04	26.35	8.49	4.96	7.49	2.55	0.84	0.13	8.46	32.92
4065	8.72	6.15	7.24	2.46	1.24	0.19	7.50	33.50	10.47	6.24	9.52	3.24	1.68	0.25	10.49	41.89
4075	3.33	2.26	2.14	0.73	0.15	0.02	2.83	11.46	3.99	2.30	2.82	0.96	0.21	0.03	3.96	14.27
4080	4.74	3.29	4.09	1.39	0.49	0.07	4.06	18.13	5.69	3.34	5.38	1.83	0.66	0.10	5.68	22.68
4085	5.20	3.62	4.57	1.55	0.56	0.08	4.46	20.04	6.25	3.68	6.00	2.04	0.76	0.11	6.24	25.08
4090	5.38	3.80	5.04	1.71	0.82	0.12	4.62	21.49	6.45	3.86	6.62	2.25	1.11	0.17	6.47	26.93
4100	2.82	1.93	4.77	0.95	0.15	0.02	2.40	13.04	3.39	1.95	6.18	1.24	0.21	0.03	3.36	16.36
4105	6.05	4.16	4.57	1.55	0.45	0.07	5.16	22.01	7.26	4.22	6.00	2.04	0.60	0.09	7.22	27.43
4110	7.45	5.13	5.86	1.99	0.56	0.08	6.36	27.43	8.95	5.20	7.70	2.62	0.76	0.11	8.91	34.25
4120	0.47	0.24	0.00	0.10	0.00	0.00	0.49	1.30								
4125	0.76	0.39	0.00	0.19	0.00	0.00	0.80	2.14								
4130	0.92	0.47	0.00	0.30	0.00	0.00	0.97	2.66								
4135	2.39	1.22	0.00	0.40	0.00	0.00	2.50	6.51								
4145	5.59	2.85	3.42	0.82	0.00	0.00	5.86	18.54								
4150	7.56	3.86	3.42	0.82	0.00	0.00	7.92	23.58								
4155	11.65	5.94	4.45	1.07	0.00	0.00	12.20	35.31								
4160	12.94	6.60	5.13	1.23	0.00	0.00	13.55	39.45								
4175	10.41	4.82	3.24	1.23	0.00	0.00	10.34	30.04	13.88	4.99	4.26	1.62	0.00	0.00	15.75	40.50
4180	14.83	7.60	5.83	1.17	0.00	0.00	15.72	45.15	18.54	7.78	7.66	1.53	0.00	0.00	22.11	57.62
4185	22.01	11.28	9.45	1.89	0.00	0.00	23.33	67.96	27.52	11.54	12.42	2.48	0.00	0.00	32.81	86.77
4190	31.20	17.09	14.36	3.16	0.00	0.00	34.88	100.69	37.44	17.39	18.88	4.15	0.00	0.00	46.51	124.37
4200	12.73	6.52	5.04	1.01	0.00	0.00	13.49	38.79	15.91	6.67	6.62	1.32	0.00	0.00	18.97	49.49
4205	18.19	9.32	7.40	1.48	0.00	0.00	19.28	55.67	22.74	9.54	9.73	1.95	0.00	0.00	27.11	71.07
4210	19.53	10.70	9.70	2.13	0.00	0.00	21.84	63.90	23.44	10.89	12.75	2.81	0.00	0.00	29.12	79.01
4215	40.75	22.32	19.40	4.27	0.00	0.00	45.56	132.30	48.90	22.72	25.50	5.61	0.00	0.00	60.75	163.48
4225	16.55	7.66	5.54	2.11	0.00	0.00	16.43	48.29	22.06	7.93	7.29	2.77	0.00	0.00	25.04	65.09
4230	19.50	9.99	6.46	1.29	0.00	0.00	20.67	57.91	24.38	10.23	8.49	1.70	0.00	0.00	29.07	73.87
4235	24.59	12.59	7.81	1.56	0.00	0.00	26.05	72.60	30.73	12.89	10.27	2.05	0.00	0.00	36.64	92.58
4240	36.57	20.03	12.35	2.72	0.00	0.00	40.89	112.56	43.88	20.39	16.23	3.57	0.00	0.00	54.51	138.58
4250	9.69	4.49	3.94	1.50	0.00	0.00	9.63	29.25	12.92	4.64	5.17	1.97	0.00	0.00	14.67	39.37
4255	12.04	5.57	5.20	1.98	0.00	0.00	11.95	36.74	16.05	5.77	6.83	2.60	0.00	0.00	18.21	49.46
4260	12.06	6.18	6.30	1.26	0.00	0.00	12.78	38.58	15.07	6.32	8.28	1.66	0.00	0.00	17.97	49.30
4270	11.70	5.42	2.83	1.08	0.00	0.00	11.62	32.65	15.60	5.61	3.73	1.42	0.00	0.00	17.71	44.07
4275	14.46	6.69	4.25	1.62	0.00	0.00	14.36	41.38	19.28	6.93	5.59	2.12	0.00	0.00	21.88	55.80
4280	22.24	11.39	6.14	1.23	0.00	0.00	23.57	64.57	27.80	11.66	8.07	1.61	0.00	0.00	33.15	82.29
4285	34.65	17.75	10.24	2.05	0.00	0.00	36.72	101.41	43.31	18.17	13.45	2.69	0.00	0.00	51.64	129.26
4300	14.60	6.76	3.62	1.38	0.00	0.00	14.50	40.86	19.47	7.00	4.76	1.81	0.00	0.00	22.09	55.13
4305	17.97	8.32	5.04	1.92	0.00	0.00	17.84	51.09	23.96	8.61	6.62	2.52	0.00	0.00	27.19	68.90
4310	21.06	10.79	8.57	1.71	0.00	0.00	22.31	64.44	26.32	11.04	11.26	2.25	0.00	0.00	31.38	82.25
4325	11.80	6.04	5.67	1.13	0.00	0.00	12.50	37.14	14.75	6.19	7.45	1.49	0.00	0.00	17.58	47.46
4330	21.19	10.85	9.13	1.83	0.00	0.00	22.45	65.45	26.49	11.11	12.01	2.40	0.00	0.00	31.58	83.59
4335	26.46	14.49	12.28	2.70	0.00	0.00	29.58	85.51	31.75	14.75	16.15	3.55	0.00	0.00	39.44	105.64
4345	10.76	4.98	4.13	1.57	0.00	0.00	10.68	32.12	14.34	5.16	5.42	2.06	0.00	0.00	16.28	43.26
4350	19.02	9.75	6.61	1.32	0.00	0.00	20.16	56.86	23.78	9.98	8.69	1.74	0.00	0.00	28.35	72.54
4355	21.49	11.01	8.19	1.64	0.00	0.00	22.78	65.11	26.86	11.27	10.76	2.15	0.00	0.00	32.03	83.07
4365	10.87	5.03	3.40	1.29	0.00	0.00	10.79	31.38	14.49	5.21	4.47	1.70	0.00	0.00	16.45	42.32
4370	14.41	6.67	4.50	1.71	0.00	0.00	14.31	41.60	19.21	6.90	5.92	2.25	0.00	0.00	21.80	56.08
4375	14.79	7.58	6.61	1.32	0.00	0.00	15.68	45.98	18.49	7.76	8.69	1.74	0.00	0.00	22.05	58.73

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	SEVERE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4380	21.53	11.03	7.56	1.51	0.00	0.00	22.82	64.45	26.92	11.29	9.94	1.99	0.00	0.00	32.09	82.23
4385	26.82	13.74	9.67	1.93	0.00	0.00	28.42	80.58	33.52	14.06	12.71	2.54	0.00	0.00	39.97	102.80
4390	30.62	16.77	10.46	2.30	0.00	0.00	34.24	94.39	36.74	17.07	13.74	3.02	0.00	0.00	45.65	116.22
4395	38.06	20.85	13.23	2.91	0.00	0.00	42.55	117.60	45.67	21.22	17.39	3.83	0.00	0.00	56.74	144.85
4400	42.40	23.23	14.62	3.22	0.00	0.00	47.41	130.88	50.88	23.64	19.21	4.23	0.00	0.00	63.22	161.18
4405	52.87	33.36	20.92	5.02	0.00	0.00	72.25	184.42	61.68	33.79	27.49	6.60	0.00	0.00	91.96	221.52
4410	61.71	38.94	26.21	6.29	0.00	0.00	84.33	217.48	71.99	39.44	34.44	8.27	0.00	0.00	107.33	261.47
4425	13.56	6.28	4.79	1.82	0.00	0.00	13.47	39.92	18.08	6.50	6.29	2.39	0.00	0.00	20.52	53.78
4430	18.74	9.60	7.18	1.44	0.00	0.00	19.86	56.82	23.43	9.83	9.44	1.89	0.00	0.00	27.93	72.52
4435	23.24	11.91	9.58	1.92	0.00	0.00	24.63	71.28	29.05	12.19	12.59	2.52	0.00	0.00	34.64	90.99
4445	9.09	6.23	6.91	2.54	0.56	0.08	5.66	31.07	10.49	6.30	9.05	3.33	0.71	0.11	7.19	37.18
4450	11.85	8.10	6.91	2.49	0.59	0.09	7.38	37.41	13.68	8.19	8.88	3.20	0.73	0.11	9.37	44.16
4455	13.43	10.91	11.44	2.97	0.94	0.14	10.04	49.87	15.11	11.00	14.73	3.83	1.17	0.18	12.24	58.26
4465	1.51	0.77	0.00	0.11	0.00	0.00	1.55	3.94	1.89	0.78	0.00	0.11	0.00	0.00	2.18	4.96
4470	1.99	1.01	0.00	0.13	0.00	0.00	2.04	5.17	2.49	1.03	0.00	0.13	0.00	0.00	2.87	6.52
4475	2.95	1.50	0.00	0.17	0.00	0.00	3.02	7.64	3.69	1.53	0.00	0.17	0.00	0.00	4.25	9.64
4480	1.51	0.77	0.00	0.24	0.00	0.00	1.55	4.07	1.89	0.78	0.00	0.24	0.00	0.00	2.18	5.09
4490	1.23	0.59	0.67	0.16	0.06	0.01	2.61	5.33								
4500	0.97	0.46	0.27	0.06	0.06	0.01	2.05	3.88								
4505	1.29	0.61	0.54	0.13	0.06	0.01	2.73	5.37								
4510	1.52	0.72	0.67	0.16	0.06	0.01	3.22	6.36								
4520	2.07	1.26	0.96	0.27	0.79	0.12	2.66	8.13	2.59	1.28	1.26	0.35	1.24	0.19	3.70	10.61
4530	0.41	0.23	0.00	0.00	0.00	0.00	0.52	1.16	0.52	0.24	0.00	0.00	0.00	0.00	0.73	1.49
4535	0.51	0.28	0.00	0.00	0.00	0.00	0.64	1.43	0.63	0.29	0.00	0.00	0.00	0.00	0.88	1.80
4540	0.10	0.05	0.00	0.00	0.00	0.00	0.12	0.27	0.12	0.06	0.00	0.00	0.00	0.00	0.17	0.35
4545	0.48	0.27	0.00	0.00	0.00	0.00	0.61	1.36	0.60	0.28	0.00	0.00	0.00	0.00	0.84	1.72
4550	0.40	0.22	0.00	0.00	0.00	0.00	0.50	1.12	0.50	0.23	0.00	0.00	0.00	0.00	0.69	1.42
4555	0.49	0.27	0.00	0.00	0.00	0.00	0.61	1.37	0.61	0.28	0.00	0.00	0.00	0.00	0.85	1.74
4560	0.70	0.40	0.00	0.00	0.00	0.00	0.88	1.98	0.88	0.40	0.00	0.00	0.00	0.00	1.23	2.51
4565	0.07	0.04	0.00	0.00	0.00	0.00	0.08	0.19	0.08	0.04	0.00	0.00	0.00	0.00	0.12	0.24
4570	2.23	1.36	1.44	0.40	0.97	0.14	2.88	9.42	2.79	1.39	1.89	0.53	1.52	0.23	3.99	12.34
4580	0.49	0.28	0.00	0.00	0.00	0.00	0.62	1.39	0.61	0.28	0.00	0.00	0.00	0.00	0.86	1.75
4585	0.54	0.30	0.00	0.00	0.00	0.00	0.68	1.52	0.67	0.31	0.00	0.00	0.00	0.00	0.94	1.92
4590	0.10	0.05	0.00	0.00	0.00	0.00	0.12	0.27	0.12	0.06	0.00	0.00	0.00	0.00	0.17	0.35
4595	0.48	0.27	0.00	0.00	0.00	0.00	0.61	1.36	0.60	0.28	0.00	0.00	0.00	0.00	0.84	1.72
4600	0.45	0.26	0.00	0.00	0.00	0.00	0.57	1.28	0.57	0.26	0.00	0.00	0.00	0.00	0.79	1.62
4605	0.63	0.36	0.00	0.00	0.00	0.00	0.80	1.79	0.79	0.36	0.00	0.00	0.00	0.00	1.10	2.25
4610	0.79	0.44	0.00	0.00	0.00	0.00	0.99	2.22	0.99	0.45	0.00	0.00	0.00	0.00	1.38	2.82
4615	0.07	0.04	0.00	0.00	0.00	0.00	0.08	0.19	0.08	0.04	0.00	0.00	0.00	0.00	0.12	0.24
4620	2.54	1.57	1.92	0.54	1.28	0.19	3.28	11.32	3.17	1.60	2.52	0.71	2.02	0.30	4.55	14.87
4630	0.52	0.29	0.00	0.00	0.00	0.00	0.65	1.46	0.65	0.30	0.00	0.00	0.00	0.00	0.91	1.86
4635	0.57	0.32	0.00	0.00	0.00	0.00	0.72	1.61	0.72	0.33	0.00	0.00	0.00	0.00	1.00	2.05
4640	0.10	0.05	0.00	0.00	0.00	0.00	0.12	0.27	0.12	0.06	0.00	0.00	0.00	0.00	0.17	0.35
4645	0.48	0.27	0.00	0.00	0.00	0.00	0.61	1.36	0.60	0.28	0.00	0.00	0.00	0.00	0.84	1.72
4650	0.53	0.30	0.00	0.00	0.00	0.00	0.66	1.49	0.66	0.30	0.00	0.00	0.00	0.00	0.92	1.88
4655	0.75	0.43	0.00	0.00	0.00	0.00	0.95	2.13	0.94	0.43	0.00	0.00	0.00	0.00	1.32	2.69
4660	0.97	0.55	0.00	0.00	0.00	0.00	1.22	2.74	1.21	0.56	0.00	0.00	0.00	0.00	1.69	3.46
4665	0.07	0.04	0.00	0.00	0.00	0.00	0.08	0.19	0.08	0.04	0.00	0.00	0.00	0.00	0.12	0.24
4670	3.24	2.02	2.87	0.80	1.78	0.27	4.20	15.18	4.05	2.06	3.78	1.06	2.82	0.42	5.83	20.02
4680	0.60	0.34	0.00	0.00	0.00	0.00	0.76	1.70	0.76	0.35	0.00	0.00	0.00	0.00	1.06	2.17
4685	0.78	0.44	0.00	0.00	0.00	0.00	0.98	2.20	0.97	0.45	0.00	0.00	0.00	0.00	1.36	2.78
4690	0.10	0.05	0.00	0.00	0.00	0.00	0.12	0.27	0.12	0.06	0.00	0.00	0.00	0.00	0.17	0.35
4695	0.48	0.27	0.00	0.00	0.00	0.00	0.61	1.36	0.60	0.28	0.00	0.00	0.00	0.00	0.84	1.72
4700	0.68	0.38	0.00	0.00	0.00	0.00	0.86	1.92	0.85	0.39	0.00	0.00	0.00	0.00	1.19	2.43
4705	0.88	0.49	0.00	0.00	0.00	0.00	1.10	2.47	1.09	0.50	0.00	0.00	0.00	0.00	1.53	3.12

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
4710	1.34	0.76	0.00	0.00	0.00	0.00	1.69	3.79	1.68	0.77	0.00	0.00	0.00	0.00	2.35	4.80
4715	0.07	0.04	0.00	0.00	0.00	0.00	0.08	0.19	0.08	0.04	0.00	0.00	0.00	0.00	0.12	0.24
4720	5.84	3.52	4.38	1.23	2.08	0.31	7.50	24.86	7.30	3.60	5.76	1.61	3.27	0.49	10.41	32.44
4730	0.87	0.49	0.00	0.00	0.00	0.00	1.09	2.45	1.08	0.50	0.00	0.00	0.00	0.00	1.52	3.10
4735	0.10	0.05	0.00	0.00	0.00	0.00	0.12	0.27	0.12	0.06	0.00	0.00	0.00	0.00	0.17	0.35
4740	0.51	0.29	0.00	0.00	0.00	0.00	0.65	1.45	0.64	0.29	0.00	0.00	0.00	0.00	0.90	1.83
4745	0.81	0.46	0.00	0.00	0.00	0.00	1.02	2.29	1.01	0.47	0.00	0.00	0.00	0.00	1.42	2.90
4750	1.19	0.67	0.00	0.00	0.00	0.00	1.50	3.36	1.48	0.68	0.00	0.00	0.00	0.00	2.08	4.24
4755	1.66	0.93	0.00	0.00	0.00	0.00	2.09	4.68	2.07	0.95	0.00	0.00	0.00	0.00	2.90	5.92
4760	0.07	0.04	0.00	0.00	0.00	0.00	0.08	0.19	0.08	0.04	0.00	0.00	0.00	0.00	0.12	0.24
4765	9.89	6.11	4.27	1.20	5.13	0.77	12.77	40.14	12.36	6.24	5.62	1.57	8.13	1.22	17.74	52.88
4770	11.08	6.78	6.33	1.77	5.23	0.78	14.28	46.25	13.85	6.93	8.32	2.33	8.30	1.24	19.83	60.80
4775	11.17	7.01	6.33	1.77	7.23	1.09	14.49	49.09	13.96	7.16	8.32	2.33	11.55	1.73	20.13	65.18
4780	12.81	8.05	9.92	2.78	8.55	1.28	16.63	60.02	16.01	8.22	13.05	3.65	13.69	2.05	23.10	79.77
4785	12.40	7.52	6.33	1.77	5.13	0.77	15.94	49.86	15.50	7.69	8.32	2.33	8.13	1.22	22.15	65.34
4790	13.14	7.95	6.33	1.77	5.23	0.78	16.88	52.08	16.43	8.12	8.32	2.33	8.30	1.24	23.45	68.19
4795	14.72	9.01	9.92	2.78	7.23	1.09	18.97	63.72	18.40	9.21	13.05	3.65	11.55	1.73	26.35	83.94
4800	16.19	9.95	9.92	2.78	8.55	1.28	20.89	69.56	20.23	10.17	13.05	3.65	13.69	2.05	29.01	91.85
4810	1.05	0.59	0.00	0.00	0.00	0.00	1.32	2.96	1.31	0.60	0.00	0.00	0.00	0.00	1.83	3.74
4815	1.38	0.78	0.00	0.00	0.00	0.00	1.74	3.90	1.73	0.80	0.00	0.00	0.00	0.00	2.42	4.95
4820	1.58	0.89	0.00	0.00	0.00	0.00	1.99	4.46	1.97	0.91	0.00	0.00	0.00	0.00	2.76	5.64
4825	1.58	0.89	0.00	0.00	0.00	0.00	1.99	4.46	1.98	0.91	0.00	0.00	0.00	0.00	2.77	5.66
4835	3.21	1.63	1.44	0.55	0.00	0.00	5.14	11.97	4.01	1.67	1.90	0.72	0.00	0.00	6.69	14.99
4840	4.02	2.04	1.96	0.74	0.00	0.00	6.44	15.20	5.02	2.09	2.58	0.98	0.00	0.00	8.37	19.04
4845	5.42	2.75	2.88	1.09	0.00	0.00	8.68	20.82	6.78	2.81	3.79	1.44	0.00	0.00	11.28	26.10
4850	7.33	3.71	3.87	1.47	0.00	0.00	11.73	28.11	9.16	3.80	5.10	1.94	0.00	0.00	15.25	35.25
4855	8.63	4.37	5.17	1.96	0.00	0.00	13.82	33.95	10.79	4.48	6.80	2.59	0.00	0.00	17.96	42.62
4865	3.63	1.84	2.40	0.91	0.00	0.00	5.81	14.59	4.54	1.88	3.16	1.20	0.00	0.00	7.56	18.34
4870	6.42	3.26	2.95	1.12	0.00	0.00	10.28	24.03	8.03	3.33	3.89	1.48	0.00	0.00	13.37	30.10
4875	7.97	4.04	4.06	1.54	0.00	0.00	12.76	30.37	9.96	4.14	5.35	2.03	0.00	0.00	16.59	38.07
4880	10.50	5.32	5.53	2.10	0.00	0.00	16.81	40.26	13.12	5.45	7.29	2.77	0.00	0.00	21.85	50.48
4885	15.61	7.91	7.75	2.94	0.00	0.00	24.99	59.20	19.51	8.10	10.21	3.88	0.00	0.00	32.49	74.19
4895	3.42	1.73	2.32	0.88	0.00	0.00	5.47	13.82	4.27	1.77	3.06	1.16	0.00	0.00	7.11	17.37
4900	4.04	2.05	2.88	1.09	0.00	0.00	6.47	16.53	5.05	2.10	3.79	1.44	0.00	0.00	8.41	20.79
4905	4.87	2.47	3.21	1.22	0.00	0.00	7.81	19.58	6.09	2.53	4.23	1.61	0.00	0.00	10.15	24.61
4910	6.22	3.15	4.50	1.71	0.00	0.00	9.95	25.53	7.77	3.23	5.93	2.25	0.00	0.00	12.94	32.12
4915	8.17	4.14	5.53	2.10	0.00	0.00	13.09	33.03	10.22	4.24	7.29	2.77	0.00	0.00	17.01	41.53
4920	11.62	5.89	8.23	3.13	0.00	0.00	18.60	47.47	14.52	6.03	10.84	4.12	0.00	0.00	24.18	59.69
4930	4.17	2.11	2.40	0.91	0.00	0.00	6.68	16.27	5.21	2.17	3.16	1.20	0.00	0.00	8.68	20.42
4935	5.00	2.53	2.88	1.09	0.00	0.00	8.00	19.50	6.25	2.59	3.79	1.44	0.00	0.00	10.40	24.47
4940	7.91	4.01	4.80	1.82	0.00	0.00	12.66	31.20	9.88	4.10	6.32	2.40	0.00	0.00	16.46	39.16
4945	11.46	5.81	7.01	2.66	0.00	0.00	18.34	45.28	14.32	5.95	9.23	3.51	0.00	0.00	23.85	56.86
4955	3.10	1.57	1.55	0.59	0.00	0.00	4.96	11.77	3.87	1.61	2.04	0.78	0.00	0.00	6.44	14.74
4960	4.11	2.08	2.47	0.94	0.00	0.00	6.58	16.18	5.13	2.13	3.26	1.24	0.00	0.00	8.55	20.31
4965	5.05	2.56	2.88	1.09	0.00	0.00	8.09	19.67	6.32	2.62	3.79	1.44	0.00	0.00	10.52	24.69
4975	3.65	1.85	2.44	0.93	0.00	0.00	5.84	14.71	4.56	1.89	3.21	1.22	0.00	0.00	7.60	18.48
4980	5.04	2.56	3.32	1.26	0.00	0.00	8.08	20.26	6.30	2.62	4.37	1.66	0.00	0.00	10.50	25.45
4985	6.48	3.28	4.06	1.54	0.00	0.00	10.37	25.73	8.09	3.36	5.35	2.03	0.00	0.00	13.48	32.31
4990	7.90	4.01	4.98	1.89	0.00	0.00	12.65	31.43	9.88	4.10	6.56	2.49	0.00	0.00	16.45	39.48
4995	11.36	5.76	7.38	2.80	0.00	0.00	18.19	45.49	14.20	5.89	9.72	3.69	0.00	0.00	23.64	57.14
5000	22.62	11.46	12.91	4.91	0.00	0.00	36.21	88.11	28.27	11.74	17.01	6.46	0.00	0.00	47.08	110.56
5010	0.59	0.35	1.21	0.39	0.09	0.01	0.59	3.23	0.74	0.36	1.58	0.51	0.17	0.03	0.80	4.19
5015	0.69	0.41	0.44	0.19	0.09	0.01	0.69	2.52	0.87	0.41	0.58	0.25	0.17	0.03	0.93	3.24
5020	0.86	0.50	1.75	0.56	0.08	0.01	0.86	4.62	1.07	0.51	2.27	0.73	0.15	0.02	1.15	5.90
5025	0.96	0.55	0.75	0.32	0.08	0.01	0.96	3.63	1.20	0.57	0.99	0.42	0.15	0.02	1.28	4.63

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5030	1.13	0.65	0.96	0.40	0.09	0.01	1.13	4.37	1.41	0.67	1.26	0.53	0.18	0.03	1.51	5.59
5035	1.05	0.61	2.43	0.78	0.09	0.01	1.05	6.02	1.31	0.62	3.16	1.01	0.18	0.03	1.41	7.72
5040	1.21	0.70	2.58	0.83	0.09	0.01	1.21	6.63	1.52	0.72	3.36	1.08	0.18	0.03	1.62	8.51
5045	1.30	0.75	1.23	0.52	0.09	0.01	1.30	5.20	1.63	0.77	1.62	0.68	0.18	0.03	1.74	6.65
5050	1.64	0.97	1.85	0.78	0.27	0.04	1.65	7.20	2.05	0.99	2.43	1.02	0.51	0.08	2.21	9.29
5055	2.90	1.78	2.67	1.12	0.97	0.14	2.95	12.53	3.62	1.82	3.51	1.47	1.84	0.28	3.94	16.48
5065	3.32	1.93	1.88	0.79	0.31	0.05	3.33	11.61	4.15	1.97	2.47	1.04	0.60	0.09	4.45	14.77
5070	4.33	2.55	2.84	1.19	0.65	0.10	4.35	16.01	5.41	2.60	3.73	1.57	1.24	0.19	5.82	20.56
5075	5.63	3.29	3.52	1.48	0.68	0.10	5.65	20.35	7.04	3.36	4.63	1.95	1.30	0.19	7.56	26.03
5080	5.83	3.45	3.76	1.58	1.00	0.15	5.87	21.64	7.29	3.52	4.95	2.08	1.90	0.28	7.86	27.88
5085	7.23	4.24	4.51	1.90	1.00	0.15	7.25	26.28	9.03	4.33	5.94	2.49	1.90	0.28	9.71	33.68
5090	10.02	5.78	6.33	2.66	0.75	0.11	10.01	35.66	12.52	5.91	8.32	3.50	1.42	0.21	13.41	45.29
5100	3.73	2.22	2.22	0.93	0.73	0.11	3.76	13.70	4.66	2.26	2.92	1.23	1.40	0.21	5.03	17.71
5105	4.85	2.86	2.74	1.15	0.74	0.11	4.88	17.33	6.07	2.92	3.60	1.51	1.42	0.21	6.53	22.26
5110	5.51	3.26	3.42	1.44	1.00	0.15	5.54	20.32	6.88	3.33	4.50	1.89	1.90	0.28	7.42	26.20
5115	9.01	5.21	5.30	2.23	0.75	0.11	9.01	31.62	11.26	5.32	6.97	2.93	1.42	0.21	12.06	40.17
5120	11.88	7.11	6.84	2.87	2.65	0.40	11.99	43.74	14.85	7.26	9.00	3.78	5.06	0.76	16.06	56.77
5125	15.05	8.79	9.23	2.77	4.81	0.72	13.24	54.61	18.06	8.95	12.15	3.64	9.19	1.38	17.03	70.40
5130	20.94	12.67	12.82	3.85	7.52	1.13	18.54	77.47	25.13	12.90	16.87	5.06	14.35	2.15	23.84	100.30
5135	41.74	25.80	23.60	7.08	18.38	2.76	37.09	156.45	50.09	26.25	31.05	9.31	35.09	5.26	47.68	204.73
5145	4.22	2.49	2.80	1.18	0.73	0.11	4.24	15.77	5.27	2.55	3.69	1.55	1.40	0.21	5.68	20.35
5150	4.96	2.92	3.66	1.54	0.74	0.11	4.99	18.92	6.21	2.98	4.81	2.02	1.42	0.21	6.68	24.33
5155	5.75	3.40	4.14	1.74	1.00	0.15	5.78	21.96	7.19	3.47	5.44	2.29	1.90	0.28	7.74	28.31
5160	8.23	4.93	5.27	2.21	1.91	0.29	8.31	31.15	10.28	5.04	6.93	2.91	3.65	0.55	11.12	40.48
5165	11.04	6.69	7.18	3.02	3.05	0.46	11.18	42.62	13.80	6.83	9.45	3.97	5.82	0.87	14.98	55.72
5170	14.28	8.37	9.34	2.80	4.81	0.72	12.57	52.89	17.13	8.52	12.28	3.69	9.19	1.38	16.16	68.35
5175	20.10	11.94	12.31	3.69	5.82	0.87	17.74	72.47	24.12	12.15	16.20	4.86	11.11	1.67	22.81	92.92
5180	36.99	22.55	20.93	6.28	14.36	2.15	32.79	136.05	44.39	22.95	27.54	8.26	27.42	4.11	42.16	176.83
5190	3.86	2.28	2.74	1.15	0.68	0.10	3.88	14.69	4.83	2.33	3.60	1.51	1.30	0.19	5.20	18.96
5195	4.95	2.90	3.49	1.47	0.68	0.10	4.97	18.56	6.19	2.97	4.59	1.93	1.30	0.19	6.66	23.83
5200	5.39	3.19	4.10	1.72	1.00	0.15	5.42	20.97	6.73	3.26	5.40	2.27	1.90	0.28	7.26	27.10
5205	7.42	4.49	5.30	2.23	2.01	0.30	7.51	29.26	9.27	4.58	6.97	2.93	3.83	0.57	10.06	38.21
5210	11.71	7.07	7.35	3.09	3.05	0.46	11.85	44.58	14.64	7.22	9.67	4.06	5.82	0.87	15.86	58.14
5215	16.28	9.85	11.46	3.44	5.82	0.87	14.41	62.13	19.53	10.02	15.07	4.52	11.11	1.67	18.53	80.45
5225	1.74	1.05	1.64	0.69	0.42	0.06	1.76	7.36	2.17	1.07	2.16	0.91	0.79	0.12	2.35	9.57
5230	2.15	1.28	1.88	0.79	0.43	0.06	2.16	8.75	2.68	1.31	2.47	1.04	0.81	0.12	2.90	11.33
5235	4.46	2.63	3.01	1.26	0.73	0.11	4.49	16.69	5.58	2.69	3.96	1.66	1.40	0.21	6.01	21.51
5240	5.35	3.18	3.66	1.54	1.00	0.15	5.39	20.27	6.69	3.24	4.81	2.02	1.90	0.28	7.22	26.16
5245	7.76	4.50	4.65	1.95	0.75	0.11	7.77	27.49	9.70	4.60	6.12	2.57	1.42	0.21	10.40	35.02
5255	3.41	2.14	2.74	1.15	1.50	0.22	3.49	14.65	4.26	2.19	3.60	1.51	2.86	0.43	4.67	19.52
5260	4.42	2.64	3.42	1.44	1.00	0.15	4.46	17.53	5.52	2.70	4.50	1.89	1.90	0.28	5.97	22.76
5265	5.26	3.13	4.10	1.72	1.05	0.16	5.30	20.72	6.57	3.20	5.40	2.27	2.01	0.30	7.10	26.85
5270	7.88	4.57	5.30	2.23	0.75	0.11	7.89	28.73	9.85	4.67	6.97	2.93	1.42	0.21	10.57	36.62
5275	10.50	6.36	6.46	2.71	2.90	0.44	10.63	40.00	13.12	6.50	8.50	3.57	5.55	0.83	14.24	52.31
5280	14.53	8.92	7.15	3.00	4.81	0.72	14.77	53.90	18.17	9.11	9.40	3.95	9.19	1.38	19.78	70.98
5285	20.23	12.01	14.19	4.26	5.82	0.87	17.85	75.23	24.28	12.23	18.67	5.60	11.11	1.67	22.95	96.51
5290	38.91	23.14	20.18	6.05	11.41	1.71	34.35	135.75	46.70	23.55	26.55	7.96	21.78	3.27	44.16	173.97
5300	1.67	0.99	1.47	0.62	0.25	0.04	1.68	6.72	2.09	1.01	1.93	0.81	0.47	0.07	2.25	8.63
5305	4.48	2.65	2.91	1.22	0.73	0.11	4.51	16.61	5.61	2.70	3.82	1.61	1.40	0.21	6.04	21.39
5310	5.50	3.20	3.59	1.51	0.59	0.09	5.51	19.99	6.87	3.27	4.72	1.98	1.13	0.17	7.38	25.52
5315	7.73	4.59	4.96	2.08	1.50	0.22	7.78	28.86	9.66	4.69	6.52	2.74	2.86	0.43	10.42	37.32
5320	13.16	7.76	8.89	2.67	4.81	0.72	11.60	49.61	15.79	7.90	11.70	3.51	9.19	1.38	14.91	64.38
5330	4.49	2.69	3.56	1.49	1.00	0.15	4.53	17.91	5.61	2.74	4.68	1.97	1.90	0.28	6.07	23.25
5335	6.50	3.79	5.40	2.27	0.75	0.11	6.51	25.33	8.12	3.87	7.11	2.99	1.42	0.21	8.72	32.44
5340	8.14	4.97	6.40	2.69	2.53	0.38	8.26	33.37	10.18	5.08	8.41	3.53	4.82	0.72	11.07	43.81

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5345	11.57	6.91	10.43	3.13	5.02	0.75	10.22	48.03	13.89	7.03	13.72	4.12	9.58	1.44	13.14	62.92
5355	4.63	2.76	3.52	1.48	1.00	0.15	4.67	18.21	5.79	2.82	4.63	1.95	1.90	0.28	6.25	23.62
5360	5.34	3.17	3.86	1.62	1.00	0.15	5.37	20.51	6.67	3.23	5.08	2.14	1.90	0.28	7.20	26.50
5365	7.67	4.45	4.92	2.07	0.75	0.11	7.68	27.65	9.59	4.55	6.48	2.72	1.42	0.21	10.28	35.25
5370	10.00	6.03	7.18	3.02	2.59	0.39	10.11	39.32	12.49	6.16	9.45	3.97	4.95	0.74	13.54	51.30
5375	14.26	8.36	10.50	3.15	4.81	0.72	12.56	54.36	17.11	8.51	13.81	4.14	9.19	1.38	16.14	70.28
5380	20.54	12.18	13.27	3.98	5.82	0.87	18.12	74.78	24.65	12.40	17.46	5.24	11.11	1.67	23.30	95.83
5390	4.83	2.84	2.91	1.22	0.74	0.11	4.85	17.50	6.04	2.91	3.82	1.61	1.42	0.21	6.50	22.51
5395	5.51	3.26	8.88	2.84	1.00	0.15	5.54	27.18	6.88	3.33	11.57	3.70	1.90	0.28	7.42	35.08
5400	7.97	4.62	5.10	2.14	0.75	0.11	7.98	28.67	9.96	4.72	6.70	2.82	1.42	0.21	10.68	36.51
5405	9.48	5.73	6.22	2.61	2.53	0.38	9.60	36.55	11.86	5.86	8.19	3.44	4.82	0.72	12.85	47.74
5410	10.32	6.28	6.94	2.92	3.05	0.46	10.46	40.43	12.89	6.41	9.13	3.84	5.82	0.87	14.01	52.97
5415	14.18	8.44	9.75	2.92	5.90	0.88	12.52	54.59	17.02	8.59	12.82	3.85	11.26	1.69	16.10	71.33
5420	18.59	11.11	13.68	4.10	5.82	0.87	16.42	70.59	22.31	11.31	18.00	5.40	11.11	1.67	21.11	90.91
5430	2.91	1.69	1.61	0.51	0.21	0.03	3.33	10.29	3.64	1.72	2.11	0.68	0.30	0.04	4.42	12.91
5435	3.40	1.97	1.88	0.60	0.21	0.03	3.89	11.98	4.26	2.01	2.47	0.79	0.30	0.04	5.17	15.04
5440	5.23	3.03	2.74	0.88	0.38	0.06	5.98	18.30	6.54	3.10	3.60	1.15	0.53	0.08	7.95	22.95
5445	6.21	3.59	3.80	1.21	0.37	0.05	7.09	22.32	7.76	3.66	4.99	1.60	0.51	0.08	9.42	28.02
5455	3.36	2.01	2.12	0.68	0.59	0.09	3.87	12.72	4.20	2.05	2.79	0.89	0.83	0.13	5.14	16.03
5460	4.94	2.90	2.74	0.88	0.55	0.08	5.67	17.76	6.18	2.96	3.60	1.15	0.77	0.12	7.53	22.31
5465	5.51	3.20	3.42	1.09	0.42	0.06	6.31	20.01	6.89	3.27	4.50	1.44	0.59	0.09	8.38	25.16
5475	4.38	2.22	1.44	0.55	0.00	0.00	7.01	15.60	5.47	2.27	1.90	0.72	0.00	0.00	9.11	19.47
5480	5.21	2.64	1.96	0.74	0.00	0.00	8.35	18.90	6.51	2.71	2.58	0.98	0.00	0.00	10.85	23.63
5490	4.64	2.35	2.40	0.91	0.00	0.00	7.43	17.73	5.80	2.41	3.16	1.20	0.00	0.00	9.65	22.22
5500	0.57	0.22	0.00	0.49	0.00	0.00	0.77	2.05								
5505	1.18	0.47	0.00	1.02	0.00	0.00	1.60	4.27								
5510	2.29	0.90	0.00	1.93	0.00	0.00	3.10	8.22								
5515	0.60	0.24	0.00	0.25	0.00	0.00	0.81	1.90								
5520	0.94	0.37	0.00	0.35	0.00	0.00	1.27	2.93								
5530	1.63	0.64	0.00	0.25	0.00	0.00	2.21	4.73								
5535	2.47	0.97	0.00	0.33	0.00	0.00	3.34	7.11								
5545	2.10	0.83	0.00	0.27	0.00	0.00	2.84	6.04								
5550	2.75	1.09	0.00	0.48	0.00	0.00	3.73	8.05								
5555	3.26	1.29	0.00	0.77	0.00	0.00	4.42	9.74								
5565	4.13	1.63	0.00	0.06	0.00	0.00	5.59	11.41								
5570	4.61	1.82	0.00	0.06	0.00	0.00	6.25	12.74								
5575	7.57	2.99	0.00	0.06	0.00	0.00	10.27	20.89								
5580	8.06	3.18	0.00	0.06	0.00	0.00	10.92	22.22								
5590	4.23	1.67	0.00	0.42	0.00	0.00	5.74	12.06								
5595	4.85	1.91	0.00	0.48	0.00	0.00	6.58	13.82								
5600	5.61	2.21	0.00	0.58	0.00	0.00	7.61	16.01								
5605	6.15	2.43	0.00	0.72	0.00	0.00	8.34	17.64								
5610	6.92	2.73	0.00	0.62	0.00	0.00	9.39	19.66								
5615	8.22	3.25	0.00	0.92	0.00	0.00	11.15	23.54								
5620	9.67	3.82	0.00	0.92	0.00	0.00	13.11	27.52								
5625	12.94	5.11	0.00	1.12	0.00	0.00	17.55	36.72								
5630	18.98	7.49	0.00	1.23	0.00	0.00	25.74	53.44								
5640	3.32	1.31	0.00	0.48	0.00	0.00	4.49	9.60								
5645	3.78	1.49	0.00	0.63	0.00	0.00	5.13	11.03								
5650	5.04	1.99	0.00	0.63	0.00	0.00	6.83	14.49								
5655	1.25	0.49	0.00	0.25	0.00	0.00	1.70	3.69								
5660	1.59	0.63	0.00	0.33	0.00	0.00	2.16	4.71								
5665	2.00	0.79	0.00	0.42	0.00	0.00	2.71	5.92								
5675	5.40	2.13	0.00	0.65	0.00	0.00	7.32	15.50								
5680	6.17	2.44	0.00	0.77	0.00	0.00	8.37	17.75								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	SEVERE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
5685	6.64	2.62	0.00	0.92	0.00	0.00	9.00	19.18								
5690	8.14	3.21	0.00	1.07	0.00	0.00	11.04	23.46								
5695	10.04	3.97	0.00	1.12	0.00	0.00	13.62	28.75								
5700	14.45	5.71	0.00	1.33	0.00	0.00	19.59	41.08								
5710	7.21	2.85	2.02	0.65	0.00	0.00	9.78	22.51								
5715	13.56	5.35	5.34	1.71	0.00	0.00	18.38	44.34								
5720	19.83	7.83	10.09	3.23	0.00	0.00	26.89	67.87								
5725	21.35	8.43	18.81	6.02	0.00	0.00	28.94	83.55								
5730	26.99	10.65	22.23	7.11	0.00	0.00	36.59	103.57								
5740	6.23	5.08	1.98	0.79	0.00	0.00	7.40	21.48	7.47	5.14	2.55	1.02	0.00	0.00	10.07	26.25
5745	9.99	8.15	3.78	1.51	0.00	0.00	11.88	35.31	11.99	8.25	4.86	1.94	0.00	0.00	16.16	43.20
5750	11.39	9.29	3.78	1.51	0.00	0.00	13.55	39.52	13.67	9.40	4.86	1.94	0.00	0.00	18.42	48.29
5755	14.32	11.68	5.67	2.27	0.00	0.00	17.03	50.97	17.18	11.82	7.29	2.92	0.00	0.00	23.16	62.37
5760	19.99	16.31	7.75	3.10	0.00	0.00	23.78	70.93	23.99	16.51	9.96	3.99	0.00	0.00	32.34	86.79
5770	1.22	0.51	0.00	0.15	0.00	0.00	1.44	3.32								
5775	0.45	0.19	0.00	0.10	0.00	0.00	0.53	1.27								
5780	1.81	0.76	0.00	0.31	0.00	0.00	2.13	5.01								
5785	0.78	0.33	0.00	0.05	0.00	0.00	0.92	2.08								
5795	0.50	0.28	1.05	0.33	0.00	0.00	0.55	2.71								
5800	0.63	0.35	1.57	0.50	0.00	0.00	0.70	3.75								
5810	0.03	0.02	0.21	0.07	0.00	0.00	0.04	0.37								
5815	0.04	0.03	0.31	0.10	0.00	0.00	0.05	0.53								
5820	0.08	0.05	0.84	0.27	0.00	0.00	0.09	1.33								
5830	0.66	0.37	4.50	1.44	0.00	0.00	0.74	7.71								
5835	0.38	0.21	1.43	0.54	0.00	0.00	0.42	2.98								
5840	0.87	0.49	8.27	2.65	0.00	0.00	0.98	13.26								
5845	1.25	0.71	2.86	1.09	0.00	0.00	1.41	7.32								
5850	1.61	0.91	3.34	1.27	0.00	0.00	1.80	8.93								
5855	1.71	0.97	3.24	1.23	0.00	0.00	1.92	9.07								
5865	0.07	0.04	0.52	0.17	0.00	0.00	0.08	0.88								
5870	0.10	0.06	0.84	0.27	0.00	0.00	0.11	1.38								
5875	0.20	0.11	1.67	0.54	0.00	0.00	0.22	2.74								
5885	0.09	0.05	0.31	0.10	0.00	0.00	0.10	0.65								
5890	0.10	0.06	0.31	0.10	0.00	0.00	0.11	0.68								
5900	0.12	0.07	0.07	0.03	0.00	0.00	0.07	0.36								
5905	0.17	0.10	0.18	0.08	0.00	0.00	0.10	0.63								
5910	0.61	0.35	0.90	0.40	0.00	0.00	0.34	2.60								
5915	0.80	0.45	2.16	0.97	0.00	0.00	0.45	4.83								
5925	0.10	0.06	0.07	0.03	0.00	0.00	0.05	0.31								
5930	0.12	0.07	0.14	0.06	0.00	0.00	0.07	0.46								
5940	2.53	1.05	0.00	0.10	0.00	0.00	2.59	6.27	3.37	1.09	0.00	0.10	0.00	0.00	3.89	8.45
5945	0.20	0.08	0.00	0.00	0.00	0.00	0.21	0.49	0.27	0.09	0.00	0.00	0.00	0.00	0.31	0.67
5950	1.88	0.78	0.00	0.08	0.00	0.00	1.92	4.66	2.50	0.81	0.00	0.08	0.00	0.00	2.88	6.27
5955	0.09	0.04	0.00	0.00	0.00	0.00	0.09	0.22	0.12	0.04	0.00	0.00	0.00	0.00	0.14	0.30
5960	2.18	0.91	0.00	0.10	0.00	0.00	2.23	5.42	2.91	0.94	0.00	0.10	0.00	0.00	3.35	7.30
5965	0.20	0.08	0.00	0.00	0.00	0.00	0.20	0.48	0.26	0.08	0.00	0.00	0.00	0.00	0.30	0.64
5970	1.56	0.65	0.00	0.08	0.00	0.00	1.60	3.89	2.08	0.67	0.00	0.08	0.00	0.00	2.40	5.23
5975	0.12	0.05	0.00	0.00	0.00	0.00	0.13	0.30	0.17	0.05	0.00	0.00	0.00	0.00	0.19	0.41
5980	0.91	0.38	0.00	0.08	0.00	0.00	0.93	2.30	1.21	0.39	0.00	0.08	0.00	0.00	1.40	3.08
5985	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.07	0.02	0.00	0.00	0.00	0.00	0.08	0.17
5990	2.43	1.01	0.00	0.08	0.00	0.00	2.49	6.01	3.24	1.05	0.00	0.08	0.00	0.00	3.74	8.11
5995	0.20	0.08	0.00	0.00	0.00	0.00	0.20	0.48	0.26	0.08	0.00	0.00	0.00	0.00	0.30	0.64
6000	2.16	0.90	0.00	0.08	0.00	0.00	2.21	5.35	2.88	0.93	0.00	0.08	0.00	0.00	3.32	7.21
6005	0.26	0.11	0.00	0.00	0.00	0.00	0.27	0.64	0.35	0.11	0.00	0.00	0.00	0.00	0.41	0.87
6010	0.75	0.38	0.00	0.08	0.00	0.00	0.77	1.98	0.94	0.39	0.00	0.08	0.00	0.00	1.09	2.50

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6020	4.99	2.07	0.00	0.22	0.00	0.00	5.11	12.39	6.65	2.15	0.00	0.22	0.00	0.00	7.67	16.69
6025	0.36	0.15	0.00	0.00	0.00	0.00	0.37	0.88	0.48	0.16	0.00	0.00	0.00	0.00	0.56	1.20
6030	5.29	2.20	0.00	0.21	0.00	0.00	5.42	13.12	7.05	2.28	0.00	0.21	0.00	0.00	8.13	17.67
6035	4.21	1.75	0.00	0.16	0.00	0.00	4.31	10.43	5.61	1.82	0.00	0.16	0.00	0.00	6.47	14.06
6040	0.33	0.14	0.00	0.00	0.00	0.00	0.33	0.80	0.44	0.14	0.00	0.00	0.00	0.00	0.50	1.08
6045	3.92	1.63	0.00	0.16	0.00	0.00	4.02	9.73	5.23	1.69	0.00	0.16	0.00	0.00	6.03	13.11
6050	2.83	1.17	0.00	0.10	0.00	0.00	2.90	7.00	3.77	1.22	0.00	0.10	0.00	0.00	4.35	9.44
6055	0.18	0.08	0.00	0.00	0.00	0.00	0.19	0.45	0.24	0.08	0.00	0.00	0.00	0.00	0.28	0.60
6060	2.76	1.14	0.00	0.10	0.00	0.00	2.82	6.82	3.67	1.19	0.00	0.10	0.00	0.00	4.24	9.20
6065	1.58	0.66	0.00	0.08	0.00	0.00	1.62	3.94	2.11	0.68	0.00	0.08	0.00	0.00	2.43	5.30
6070	0.09	0.04	0.00	0.00	0.00	0.00	0.10	0.23	0.13	0.04	0.00	0.00	0.00	0.00	0.14	0.31
6075	0.99	0.41	0.00	0.08	0.00	0.00	1.01	2.49	1.32	0.43	0.00	0.08	0.00	0.00	1.52	3.35
6080	0.05	0.02	0.00	0.00	0.00	0.00	0.05	0.12	0.06	0.02	0.00	0.00	0.00	0.00	0.07	0.15
6085	0.61	0.25	0.00	0.08	0.00	0.00	0.63	1.57	0.82	0.26	0.00	0.08	0.00	0.00	0.94	2.10
6090	0.03	0.01	0.00	0.00	0.00	0.00	0.03	0.07	0.03	0.01	0.00	0.00	0.00	0.00	0.04	0.08
6095	0.27	0.11	0.00	0.08	0.00	0.00	0.28	0.74	0.36	0.12	0.00	0.08	0.00	0.00	0.41	0.97
6100	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05
6110	5.55	2.31	0.00	0.28	0.00	0.00	5.69	13.83	7.40	2.40	0.00	0.28	0.00	0.00	8.54	18.62
6115	4.33	1.80	0.00	0.20	0.00	0.00	4.44	10.77	5.77	1.87	0.00	0.20	0.00	0.00	6.65	14.49
6120	3.21	1.33	0.00	0.10	0.00	0.00	3.29	7.93	4.28	1.39	0.00	0.10	0.00	0.00	4.94	10.71
6125	1.92	0.80	0.00	0.09	0.00	0.00	1.97	4.78	2.56	0.83	0.00	0.09	0.00	0.00	2.95	6.43
6135	2.91	1.55	2.91	0.70	0.26	0.04	3.18	11.55								
6140	3.24	1.73	2.91	0.70	0.26	0.04	3.54	12.42								
6145	3.73	1.99	2.91	0.70	0.32	0.05	4.09	13.79								
6150	5.93	3.20	4.27	1.03	0.67	0.10	6.51	21.71								
6160	2.52	1.35	2.60	0.62	0.26	0.04	2.76	10.15								
6165	2.72	1.46	2.60	0.62	0.26	0.04	2.99	10.69								
6170	2.79	1.50	2.67	0.64	0.26	0.04	3.06	10.96								
6175	2.66	1.44	8.12	1.95	0.32	0.05	2.93	17.47								
6180	2.97	1.60	2.60	0.62	0.32	0.05	3.27	11.43								
6185	2.76	1.50	8.12	1.95	0.37	0.06	3.04	17.80								
6190	3.08	1.67	2.60	0.62	0.37	0.06	3.38	11.78								
6195	6.75	3.65	4.00	0.96	0.79	0.12	7.41	23.68								
6205	2.75	1.47	2.33	0.56	0.26	0.04	3.01	10.42								
6210	3.45	1.83	2.33	0.56	0.23	0.03	3.78	12.21								
6215	7.03	3.78	4.45	1.07	0.70	0.10	7.71	24.84								
6220	8.03	4.55	4.45	1.07	1.98	0.30	8.91	29.29								
6230	3.59	2.53	0.00	0.19	1.88	0.28	4.21	12.68								
6235	5.03	2.98	0.00	0.21	1.47	0.22	5.64	15.55								
6245	4.67	3.05	0.00	0.35	1.79	0.27	5.36	15.49								
6250	4.99	3.43	0.00	0.40	2.37	0.36	5.81	17.36								
6255	7.35	4.65	0.00	0.60	2.37	0.36	8.38	23.71								
6265	0.59	0.38	0.00	0.05	0.30	0.05	0.67	2.04								
6275	1.05	0.54	0.00	0.13	0.00	0.00	1.14	2.86								
6280	1.34	0.69	0.00	0.13	0.00	0.00	1.46	3.62								
6285	1.39	0.72	0.00	0.13	0.00	0.00	1.51	3.75								
6290	2.08	1.07	0.00	0.13	0.00	0.00	2.26	5.54								
6295	3.17	1.64	0.00	0.13	0.00	0.00	3.45	8.39								
6300	4.72	2.44	0.00	0.13	0.00	0.00	5.13	12.42								
6305	3.13	1.62	0.00	0.14	0.00	0.00	3.40	8.29								
6310	3.64	1.88	0.00	0.13	0.00	0.00	3.96	9.61								
6315	5.55	2.87	0.00	0.13	0.00	0.00	6.04	14.59								
6325	0.47	0.24	0.00	0.14	0.00	0.00	0.51	1.36								
6330	0.94	0.49	0.00	0.14	0.00	0.00	1.02	2.59								
6340	11.89	6.14	7.18	1.72	0.00	0.00	12.93	39.86								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6345	17.84	9.21	10.60	2.54	0.00	0.00	19.40	59.59								
6350	18.87	9.74	10.60	2.54	0.00	0.00	20.52	62.27								
6360	19.37	10.00	11.29	2.71	0.00	0.00	21.07	64.44								
6370	2.03	1.05	1.78	0.43	0.00	0.00	2.21	7.50								
6375	2.43	1.25	1.78	0.43	0.00	0.00	2.64	8.53								
6380	3.70	1.91	2.91	0.70	0.00	0.00	4.02	13.24								
6385	3.89	2.01	2.91	0.70	0.00	0.00	4.23	13.74								
6390	4.06	2.09	2.91	0.70	0.00	0.00	4.41	14.17								
6395	4.25	2.19	2.91	0.70	0.00	0.00	4.62	14.67								
6405	4.07	2.10	8.12	1.95	0.00	0.00	4.43	20.67								
6410	4.36	2.25	2.91	0.70	0.00	0.00	4.75	14.97								
6415	4.33	2.24	8.12	1.95	0.00	0.00	4.71	21.35								
6420	4.62	2.39	2.91	0.70	0.00	0.00	5.02	15.64								
6425	1.99	1.03	4.10	0.98	0.00	0.00	2.17	10.27								
6430	2.72	1.40	8.12	1.95	0.00	0.00	2.95	17.14								
6435	3.01	1.55	2.91	0.70	0.00	0.00	3.27	11.44								
6440	3.30	1.70	8.12	1.95	0.00	0.00	3.59	18.66								
6445	3.59	1.85	2.91	0.70	0.00	0.00	3.90	12.95								
6450	3.57	1.84	8.12	1.95	0.00	0.00	3.88	19.36								
6455	3.86	1.99	2.91	0.70	0.00	0.00	4.20	13.66								
6465	1.24	0.53	1.88	0.60	0.00	0.00	1.69	5.94								
6470	1.52	0.64	1.88	0.60	0.00	0.00	2.06	6.70								
6475	3.66	1.55	2.05	0.66	0.00	0.00	4.98	12.90								
6480	3.56	1.51	2.05	0.66	0.00	0.00	4.84	12.62								
6485	5.00	2.11	4.53	1.45	0.00	0.00	6.80	19.89								
6490	5.27	2.23	4.53	1.45	0.00	0.00	7.16	20.64								
6500	3.48	1.47	2.34	0.75	0.00	0.00	4.73	12.77								
6505	3.79	1.60	2.34	0.75	0.00	0.00	5.15	13.63								
6510	6.12	2.59	3.67	1.18	0.00	0.00	8.33	21.89								
6515	6.66	2.82	3.67	1.18	0.00	0.00	9.06	23.39								
6525	3.00	1.27	1.86	0.60	0.00	0.00	4.08	10.81								
6530	3.55	1.50	1.86	0.60	0.00	0.00	4.83	12.34								
6540	1.79	0.76	1.43	0.46	0.00	0.00	2.44	6.88								
6545	1.63	0.69	1.43	0.46	0.00	0.00	2.22	6.43								
6555	7.55	3.19	3.58	1.14	0.00	0.00	10.26	25.72								
6560	5.76	2.44	2.38	0.76	0.00	0.00	7.83	19.17								
6575	5.70	2.44	3.48	1.11	0.15	0.02	7.77	20.67								
6580	6.35	2.80	4.05	1.30	0.62	0.09	8.72	23.93								
6585	7.35	3.13	4.05	1.30	0.14	0.02	10.01	26.00								
6590	8.40	3.65	5.96	1.91	0.55	0.08	11.49	32.04								
6595	7.73	3.36	5.96	1.91	0.48	0.07	10.57	30.08								
6600	8.19	3.55	5.96	1.91	0.48	0.07	11.20	31.36								
6605	9.34	4.04	5.96	1.91	0.48	0.07	12.76	34.56								
6610	8.59	3.72	5.96	1.91	0.48	0.07	11.74	32.47								
6615	9.31	4.03	5.96	1.91	0.48	0.07	12.72	34.48								
6625	8.15	3.45	5.96	1.91	0.00	0.00	11.08	30.55								
6630	6.51	2.84	4.05	1.30	0.48	0.07	8.92	24.17								
6635	6.92	3.02	5.72	1.83	0.48	0.07	9.47	27.51								
6640	7.91	3.43	5.72	1.83	0.48	0.07	10.81	30.25								
6650	8.42	3.65	5.49	1.76	0.48	0.07	11.50	31.37								
6655	12.40	5.38	9.68	3.10	0.75	0.11	16.95	48.37								
6665	5.45	2.32	3.34	1.07	0.08	0.01	7.42	19.69								
6670	5.43	2.33	3.34	1.07	0.16	0.02	7.41	19.76								
6675	7.26	3.09	3.82	1.22	0.13	0.02	9.89	25.43								
6680	6.09	2.61	3.82	1.22	0.16	0.02	8.30	22.22								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
6685	5.75	2.55	3.34	1.07	0.62	0.09	7.90	21.32								
6690	8.09	3.50	4.20	1.34	0.40	0.06	11.05	28.64								
6695	8.95	3.86	5.68	1.82	0.42	0.06	12.23	33.02								
6700	7.50	3.26	5.96	1.91	0.48	0.07	10.26	29.44								
6705	10.49	4.54	5.68	1.82	0.55	0.08	14.34	37.50								
6710	9.10	3.95	5.68	1.82	0.55	0.08	12.44	33.62								
6715	8.13	3.57	5.96	1.91	0.70	0.11	11.14	31.52								
6725	5.62	2.49	3.24	1.04	0.62	0.09	7.72	20.82								
6730	5.10	2.18	3.24	1.04	0.15	0.02	6.95	18.68								
6735	6.20	2.65	3.82	1.22	0.15	0.02	8.45	22.51								
6740	6.62	2.91	3.58	1.14	0.62	0.09	9.08	24.04								
6745	6.82	2.91	3.82	1.22	0.15	0.02	9.29	24.23								
6750	8.81	3.81	5.25	1.68	0.48	0.07	12.03	32.13								
6755	7.31	3.18	5.10	1.63	0.48	0.07	10.00	27.77								
6760	7.91	3.43	5.10	1.63	0.48	0.07	10.81	29.43								
6765	10.12	4.37	5.25	1.68	0.48	0.07	13.82	35.79								
6775	1.06	0.45	0.76	0.24	0.00	0.00	1.45	3.96								
6780	2.80	1.18	1.62	0.52	0.00	0.00	3.80	9.92								
6785	6.61	2.80	3.39	1.08	0.00	0.00	8.99	22.87								
6790	8.89	3.76	5.96	1.91	0.00	0.00	12.09	32.61								
6795	10.73	4.54	7.39	2.37	0.00	0.00	14.59	39.62								
6800	12.95	5.48	8.63	2.76	0.00	0.00	17.60	47.42								
6805	14.74	6.23	8.63	2.76	0.00	0.00	20.04	52.40								
6815	1.07	0.45	0.76	0.24	0.00	0.00	1.45	3.97								
6820	2.38	1.01	1.67	0.53	0.00	0.00	3.23	8.82								
6825	6.39	2.70	3.34	1.07	0.00	0.00	8.68	22.18								
6830	8.51	3.60	5.49	1.76	0.00	0.00	11.57	30.93								
6835	10.79	4.56	5.68	1.82	0.00	0.00	14.66	37.51								
6845	1.05	0.44	1.47	0.47	0.00	0.00	1.43	4.86								
6850	5.41	2.29	2.48	0.79	0.00	0.00	7.36	18.33								
6855	8.49	3.59	3.82	1.22	0.00	0.00	11.55	28.67								
6860	10.53	4.45	7.44	2.38	0.00	0.00	14.32	39.12								
6865	18.61	7.87	12.50	4.00	0.00	0.00	25.30	68.28								
6875	9.31	5.12	5.26	2.11	2.72	0.41	9.35	34.28	11.64	5.24	6.88	2.75	4.52	0.68	12.47	44.18
6880	15.64	7.94	8.77	2.81	5.66	0.85	12.76	54.43	19.55	8.15	11.47	3.67	9.40	1.41	17.18	70.83
6885	19.28	9.81	10.39	3.33	7.14	1.07	14.53	65.55	24.10	10.06	13.66	4.37	11.86	1.78	19.67	85.50
6890	21.59	10.88	11.58	3.71	7.14	1.07	17.60	73.57	26.99	11.16	15.15	4.85	11.86	1.78	23.69	95.48
6895	22.94	11.43	14.98	3.90	8.61	1.29	18.66	81.81	28.67	11.73	19.44	5.05	14.95	2.24	25.12	107.20
6900	24.46	12.13	14.98	3.90	8.61	1.29	19.88	85.25	30.57	12.45	19.44	5.05	14.95	2.24	26.76	111.46
6905	29.84	15.01	14.17	4.54	9.65	1.45	22.45	97.11	37.30	15.40	18.63	5.96	16.04	2.41	30.40	126.14
6910	34.33	17.10	15.79	5.05	9.65	1.45	27.93	111.30	42.92	17.54	20.65	6.61	16.04	2.41	37.60	143.77
6915	37.18	18.42	23.31	6.06	12.81	1.92	30.22	129.92	46.47	18.90	30.24	7.86	22.24	3.34	40.68	169.73
6920	38.89	19.21	23.31	6.06	12.81	1.92	31.59	133.79	48.61	19.71	30.24	7.86	22.24	3.34	42.53	174.53
6925	42.39	21.16	23.31	6.06	16.36	2.45	34.50	146.23	52.99	21.71	30.24	7.86	28.42	4.26	46.44	191.92
6930	38.16	19.29	17.32	5.54	13.10	1.96	28.73	124.10	47.71	19.79	22.77	7.29	21.75	3.26	38.90	161.47
6935	47.80	23.76	31.63	8.23	17.37	2.61	38.87	170.27	59.75	24.38	41.04	10.67	30.17	4.53	52.33	222.87
6950	13.72	6.87	8.04	2.57	4.18	0.63	11.17	47.18	17.15	7.05	10.51	3.36	6.95	1.04	15.04	61.10
6955	18.40	9.27	10.24	3.28	6.02	0.90	13.84	61.95	23.00	9.51	13.45	4.31	10.01	1.50	18.75	80.53
6960	20.08	10.40	11.41	3.65	8.95	1.34	16.44	72.27	25.10	10.67	14.92	4.77	14.86	2.23	22.14	94.69
6965	21.96	10.97	16.52	4.29	8.61	1.29	17.87	81.51	27.45	11.26	21.43	5.57	14.95	2.24	24.06	106.96
6970	26.61	13.08	16.52	4.29	8.06	1.21	21.60	91.37	33.26	13.42	21.43	5.57	14.00	2.10	29.08	118.86
6980	9.29	5.06	4.39	1.75	2.37	0.35	9.31	32.52	11.61	5.18	5.74	2.29	3.93	0.59	12.42	41.76
6985	19.26	9.72	10.27	3.29	6.49	0.97	14.49	64.49	24.07	9.97	13.50	4.32	10.78	1.62	19.62	83.88
6990	22.87	11.40	17.02	4.42	8.61	1.29	18.61	84.22	28.59	11.69	22.08	5.74	14.95	2.24	25.05	110.34
6995	21.72	10.86	11.44	3.66	6.49	0.97	17.68	72.82	27.15	11.15	14.96	4.79	10.78	1.62	23.80	94.25

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7005	9.86	5.36	6.14	2.46	2.37	0.35	9.88	36.42	12.33	5.49	8.03	3.21	3.93	0.59	13.18	46.76
7010	14.05	7.02	8.77	2.81	4.18	0.63	11.44	48.90	17.56	7.21	11.47	3.67	6.95	1.04	15.39	63.29
7020	20.31	10.21	10.88	3.48	6.49	0.97	16.55	68.89	25.39	10.47	14.23	4.55	10.78	1.62	22.27	89.31
7025	32.05	16.21	14.96	4.79	11.12	1.67	24.13	104.93	40.06	16.64	19.66	6.29	18.48	2.77	32.68	136.58
7030	21.02	10.44	9.59	2.49	7.51	1.13	17.09	69.27	26.27	10.71	12.44	3.23	13.04	1.96	23.00	90.65
7035	35.57	17.64	20.61	5.36	12.44	1.87	28.92	122.41	44.47	18.10	26.74	6.95	21.61	3.24	38.93	160.04
7040	41.84	20.76	23.88	6.21	14.76	2.21	34.01	143.67	52.30	21.30	30.97	8.05	25.63	3.84	45.79	187.88
7055	4.86	2.94	0.00	0.13	1.49	0.22	4.28	13.92	5.83	2.99	0.00	0.13	1.94	0.29	5.50	16.68
7060	6.15	3.87	0.00	0.13	2.67	0.40	5.45	18.67	7.39	3.94	0.00	0.13	3.49	0.52	7.01	22.48
7070	2.40	1.50	0.00	0.08	0.97	0.15	2.13	7.23	2.88	1.53	0.00	0.08	1.27	0.19	2.74	8.69
7080	7.37	3.85	5.34	1.49	0.77	0.12	7.32	26.26	9.21	3.94	6.98	1.95	1.32	0.20	10.37	33.97
7085	11.46	6.04	10.67	2.99	1.58	0.24	11.41	44.39	14.33	6.18	13.95	3.91	2.69	0.40	16.16	57.62
7095	10.57	5.47	11.16	3.13	0.43	0.07	10.48	41.31	13.21	5.60	14.60	4.09	0.71	0.11	14.84	53.16
7105	2.97	1.66	2.40	0.86	0.00	0.00	4.47	12.36	3.71	1.70	3.16	1.14	0.00	0.00	6.10	15.81
7110	0.64	0.32	0.00	0.08	0.00	0.00	0.65	1.69	0.80	0.33	0.00	0.08	0.00	0.00	0.92	2.13
7115	4.14	2.32	2.95	1.06	0.00	0.00	6.24	16.71	5.18	2.37	3.89	1.40	0.00	0.00	8.50	21.34
7120	0.85	0.43	0.00	0.08	0.00	0.00	0.87	2.23	1.06	0.44	0.00	0.08	0.00	0.00	1.22	2.80
7125	0.64	0.33	0.00	0.08	0.00	0.00	0.66	1.71	0.80	0.33	0.00	0.08	0.00	0.00	0.93	2.14
7130	6.09	3.41	3.87	1.39	0.00	0.00	9.18	23.94	7.62	3.48	5.10	1.84	0.00	0.00	12.51	30.55
7135	1.06	0.54	0.00	0.08	0.00	0.00	1.08	2.76	1.32	0.55	0.00	0.08	0.00	0.00	1.53	3.48
7140	0.83	0.42	0.00	0.08	0.00	0.00	0.86	2.19	1.04	0.43	0.00	0.08	0.00	0.00	1.20	2.75
7145	8.24	4.61	5.17	1.86	0.00	0.00	12.40	32.28	10.30	4.71	6.80	2.45	0.00	0.00	16.91	41.17
7150	1.08	0.55	0.00	0.08	0.00	0.00	1.11	2.82	1.35	0.56	0.00	0.08	0.00	0.00	1.56	3.55
7155	1.22	0.62	0.00	0.08	0.00	0.00	1.25	3.17	1.52	0.63	0.00	0.08	0.00	0.00	1.75	3.98
7160	11.95	6.68	7.38	2.66	0.00	0.00	18.00	46.67	14.94	6.83	9.72	3.50	0.00	0.00	24.54	59.53
7165	1.68	0.85	0.00	0.08	0.00	0.00	1.72	4.33	2.10	0.87	0.00	0.08	0.00	0.00	2.42	5.47
7170	1.84	0.93	0.00	0.08	0.00	0.00	1.88	4.73	2.30	0.95	0.00	0.08	0.00	0.00	2.65	5.98
7175	1.46	0.74	0.00	0.08	0.00	0.00	1.50	3.78	1.83	0.76	0.00	0.08	0.00	0.00	2.11	4.78
7180	21.20	9.78	12.36	3.46	0.00	0.00	22.98	69.78	26.50	10.03	16.28	4.56	0.00	0.00	31.91	89.28
7185	2.45	1.24	0.00	0.12	0.00	0.00	2.51	6.32	3.07	1.27	0.00	0.12	0.00	0.00	3.53	7.99
7190	2.70	1.37	0.00	0.13	0.00	0.00	2.77	6.97	3.38	1.40	0.00	0.13	0.00	0.00	3.90	8.81
7195	2.47	1.25	0.00	0.13	0.00	0.00	2.53	6.38	3.08	1.28	0.00	0.13	0.00	0.00	3.56	8.05
7200	0.07	0.04	0.00	0.05	0.00	0.00	0.08	0.24	0.09	0.04	0.00	0.05	0.00	0.00	0.11	0.29
7205	23.62	12.84	16.97	4.07	0.00	0.00	25.60	83.10	28.35	13.07	22.36	5.37	0.00	0.00	34.13	103.28
7210	3.40	1.72	0.00	0.18	0.00	0.00	3.49	8.79	4.25	1.77	0.00	0.18	0.00	0.00	4.90	11.10
7215	3.60	1.82	0.00	0.19	0.00	0.00	3.68	9.29	4.49	1.87	0.00	0.19	0.00	0.00	5.18	11.73
7220	3.00	1.52	0.00	0.16	0.00	0.00	3.07	7.75	3.74	1.55	0.00	0.16	0.00	0.00	4.32	9.77
7225	0.88	0.45	0.00	0.12	0.00	0.00	0.90	2.35	1.10	0.46	0.00	0.12	0.00	0.00	1.27	2.95
7230	0.10	0.05	0.00	0.08	0.00	0.00	0.10	0.33	0.12	0.05	0.00	0.08	0.00	0.00	0.14	0.39
7235	39.57	21.51	25.83	6.20	0.00	0.00	42.88	135.99	47.49	21.90	34.02	8.16	0.00	0.00	57.17	168.74
7240	5.15	2.61	0.00	0.28	0.00	0.00	5.28	13.32	6.44	2.68	0.00	0.28	0.00	0.00	7.43	16.83
7245	5.65	2.86	0.00	0.29	0.00	0.00	5.79	14.59	7.06	2.93	0.00	0.29	0.00	0.00	8.14	18.42
7250	0.11	0.06	0.00	0.08	0.00	0.00	0.12	0.37	0.14	0.06	0.00	0.08	0.00	0.00	0.16	0.44
7255	3.82	1.94	0.00	0.20	0.00	0.00	3.92	9.88	4.78	1.98	0.00	0.20	0.00	0.00	5.51	12.47
7265	3.37	1.88	2.32	0.84	0.00	0.00	5.07	13.48	4.21	1.92	3.06	1.10	0.00	0.00	6.92	17.21
7270	3.98	2.22	2.88	1.04	0.00	0.00	5.99	16.11	4.97	2.27	3.79	1.36	0.00	0.00	8.17	20.56
7275	4.47	2.50	3.25	1.17	0.00	0.00	6.73	18.12	5.59	2.55	4.28	1.54	0.00	0.00	9.18	23.14
7280	0.74	0.37	0.00	0.08	0.00	0.00	0.76	1.95	0.92	0.38	0.00	0.08	0.00	0.00	1.07	2.45
7285	0.74	0.37	0.00	0.05	0.00	0.00	0.76	1.92	0.92	0.38	0.00	0.05	0.00	0.00	1.06	2.41
7290	6.18	3.45	4.50	1.62	0.00	0.00	9.30	25.05	7.72	3.53	5.93	2.13	0.00	0.00	12.68	31.99
7295	0.82	0.42	0.00	0.08	0.00	0.00	0.85	2.17	1.03	0.43	0.00	0.08	0.00	0.00	1.19	2.73
7300	1.01	0.51	0.00	0.05	0.00	0.00	1.03	2.60	1.26	0.52	0.00	0.05	0.00	0.00	1.45	3.28
7305	7.99	4.47	5.53	1.99	0.00	0.00	12.02	32.00	9.98	4.56	7.29	2.62	0.00	0.00	16.40	40.85
7310	1.26	0.64	0.00	0.08	0.00	0.00	1.29	3.27	1.58	0.65	0.00	0.08	0.00	0.00	1.82	4.13
7315	1.26	0.64	0.00	0.05	0.00	0.00	1.29	3.24	1.57	0.65	0.00	0.05	0.00	0.00	1.81	4.08

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7320	12.05	6.74	8.23	2.96	0.00	0.00	18.15	48.13	15.07	6.89	10.84	3.90	0.00	0.00	24.75	61.45
7325	1.35	0.68	0.00	0.08	0.00	0.00	1.38	3.49	1.69	0.70	0.00	0.08	0.00	0.00	1.94	4.41
7330	1.41	0.72	0.00	0.08	0.00	0.00	1.45	3.66	1.77	0.73	0.00	0.08	0.00	0.00	2.04	4.62
7335	1.91	0.97	0.00	0.05	0.00	0.00	1.96	4.89	2.39	0.99	0.00	0.05	0.00	0.00	2.76	6.19
7340	21.01	9.69	11.07	3.10	0.00	0.00	22.76	67.63	26.26	9.94	14.58	4.08	0.00	0.00	31.62	86.48
7345	2.68	1.36	0.00	0.12	0.00	0.00	2.74	6.90	3.35	1.39	0.00	0.12	0.00	0.00	3.86	8.72
7350	2.71	1.37	0.00	0.10	0.00	0.00	2.77	6.95	3.38	1.40	0.00	0.10	0.00	0.00	3.90	8.78
7355	25.25	13.73	16.79	4.03	0.00	0.00	27.36	87.16	30.30	13.97	22.11	5.31	0.00	0.00	36.48	108.17
7360	4.07	2.06	0.00	0.22	0.00	0.00	4.17	10.52	5.08	2.11	0.00	0.22	0.00	0.00	5.86	13.27
7365	4.17	2.11	0.00	0.25	0.00	0.00	4.27	10.80	5.21	2.16	0.00	0.25	0.00	0.00	6.01	13.63
7370	2.59	1.31	0.00	0.12	0.00	0.00	2.65	6.67	3.23	1.34	0.00	0.12	0.00	0.00	3.73	8.42
7375	33.89	18.43	19.37	4.65	0.00	0.00	36.72	113.06	40.67	18.75	25.51	6.12	0.00	0.00	48.97	140.02
7380	4.67	2.37	0.00	0.26	0.00	0.00	4.79	12.09	5.84	2.42	0.00	0.26	0.00	0.00	6.73	15.25
7385	5.34	2.71	0.00	0.25	0.00	0.00	5.48	13.78	6.68	2.77	0.00	0.25	0.00	0.00	7.70	17.40
7390	2.98	1.51	0.00	0.12	0.00	0.00	3.05	7.66	3.72	1.55	0.00	0.12	0.00	0.00	4.29	9.68
7400	3.71	2.08	2.40	0.86	0.00	0.00	5.59	14.64	4.64	2.12	3.16	1.14	0.00	0.00	7.62	18.68
7405	4.65	2.60	2.88	1.04	0.00	0.00	7.01	18.18	5.82	2.66	3.79	1.36	0.00	0.00	9.56	23.19
7410	6.80	3.80	4.06	1.46	0.00	0.00	10.24	26.36	8.50	3.88	5.35	1.92	0.00	0.00	13.96	33.61
7415	8.81	4.93	5.17	1.86	0.00	0.00	13.27	34.04	11.02	5.03	6.80	2.45	0.00	0.00	18.10	43.40
7420	1.03	0.52	0.00	0.05	0.00	0.00	1.06	2.66	1.29	0.53	0.00	0.05	0.00	0.00	1.49	3.36
7425	1.16	0.59	0.00	0.05	0.00	0.00	1.19	2.99	1.45	0.60	0.00	0.05	0.00	0.00	1.67	3.77
7430	13.56	7.58	7.75	2.79	0.00	0.00	20.42	52.10	16.95	7.75	10.21	3.67	0.00	0.00	27.84	66.42
7435	1.81	0.92	0.00	0.05	0.00	0.00	1.86	4.64	2.26	0.94	0.00	0.05	0.00	0.00	2.61	5.86
7440	1.24	0.63	0.00	0.05	0.00	0.00	1.27	3.19	1.55	0.64	0.00	0.05	0.00	0.00	1.79	4.03
7445	19.81	9.14	11.44	3.20	0.00	0.00	21.47	65.06	24.77	9.38	15.07	4.22	0.00	0.00	29.82	83.26
7450	2.25	1.14	0.00	0.10	0.00	0.00	2.31	5.80	2.82	1.17	0.00	0.10	0.00	0.00	3.25	7.34
7455	1.87	0.95	0.00	0.12	0.00	0.00	1.92	4.86	2.34	0.97	0.00	0.12	0.00	0.00	2.70	6.13
7460	0.78	0.39	0.00	0.08	0.00	0.00	0.79	2.04	0.97	0.40	0.00	0.08	0.00	0.00	1.12	2.57
7465	0.45	0.23	0.00	0.13	0.00	0.00	0.47	1.28	0.57	0.24	0.00	0.13	0.00	0.00	0.65	1.59
7470	0.08	0.04	0.00	0.08	0.00	0.00	0.08	0.28	0.10	0.04	0.00	0.08	0.00	0.00	0.11	0.33
7480	2.58	1.44	1.55	0.56	0.00	0.00	3.88	10.01	3.22	1.47	2.04	0.73	0.00	0.00	5.29	12.75
7485	3.64	2.04	2.40	0.86	0.00	0.00	5.49	14.43	4.55	2.08	3.16	1.14	0.00	0.00	7.48	18.41
7490	4.36	2.44	2.66	0.96	0.00	0.00	6.56	16.98	5.45	2.49	3.50	1.26	0.00	0.00	8.94	21.64
7495	8.06	4.51	4.06	1.46	0.00	0.00	12.14	30.23	10.08	4.61	5.35	1.92	0.00	0.00	16.56	38.52
7500	10.64	5.95	5.35	1.93	0.00	0.00	16.02	39.89	13.30	6.08	7.05	2.54	0.00	0.00	21.84	50.81
7510	3.06	1.71	2.44	0.88	0.00	0.00	4.60	12.69	3.82	1.75	3.21	1.15	0.00	0.00	6.28	16.21
7515	0.53	0.27	0.00	0.05	0.00	0.00	0.54	1.39	0.66	0.27	0.00	0.05	0.00	0.00	0.76	1.74
7520	4.59	2.57	3.32	1.20	0.00	0.00	6.91	18.59	5.74	2.62	4.37	1.57	0.00	0.00	9.42	23.72
7525	0.38	0.19	0.00	0.05	0.00	0.00	0.39	1.01	0.48	0.20	0.00	0.05	0.00	0.00	0.55	1.28
7530	6.68	3.73	4.35	1.57	0.00	0.00	10.05	26.38	8.34	3.81	5.73	2.06	0.00	0.00	13.71	33.65
7535	0.64	0.32	0.00	0.05	0.00	0.00	0.66	1.67	0.80	0.33	0.00	0.05	0.00	0.00	0.92	2.10
7540	9.40	5.26	5.72	2.06	0.00	0.00	14.16	36.60	11.76	5.37	7.53	2.71	0.00	0.00	19.31	46.68
7545	0.84	0.43	0.00	0.05	0.00	0.00	0.86	2.18	1.05	0.44	0.00	0.05	0.00	0.00	1.21	2.75
7550	11.85	6.62	8.12	2.92	0.00	0.00	17.83	47.34	14.81	6.77	10.69	3.85	0.00	0.00	24.32	60.44
7555	1.32	0.67	0.00	0.08	0.00	0.00	1.35	3.42	1.65	0.68	0.00	0.08	0.00	0.00	1.90	4.31
7560	1.40	0.71	0.00	0.10	0.00	0.00	1.44	3.65	1.76	0.73	0.00	0.10	0.00	0.00	2.02	4.61
7565	19.20	8.86	11.81	3.31	0.00	0.00	20.81	63.99	24.01	9.09	15.55	4.35	0.00	0.00	28.90	81.90
7570	1.81	0.92	0.00	0.14	0.00	0.00	1.86	4.73	2.26	0.94	0.00	0.14	0.00	0.00	2.61	5.95
7575	1.91	0.97	0.00	0.14	0.00	0.00	1.96	4.98	2.39	0.99	0.00	0.14	0.00	0.00	2.75	6.27
7580	25.81	11.90	15.13	4.24	0.00	0.00	27.97	85.05	32.26	12.21	19.93	5.58	0.00	0.00	38.84	108.82
7585	2.46	1.25	0.00	0.20	0.00	0.00	2.53	6.44	3.08	1.28	0.00	0.20	0.00	0.00	3.55	8.11
7590	2.25	1.14	0.00	0.18	0.00	0.00	2.30	5.87	2.81	1.17	0.00	0.18	0.00	0.00	3.24	7.40
7595	38.03	20.68	22.88	5.49	0.00	0.00	41.21	128.29	45.64	21.04	30.13	7.23	0.00	0.00	54.95	158.99
7600	5.78	2.93	0.00	0.24	0.00	0.00	5.92	14.87	7.22	3.00	0.00	0.24	0.00	0.00	8.33	18.79
7605	5.43	2.75	0.00	0.21	0.00	0.00	5.56	13.95	6.78	2.82	0.00	0.21	0.00	0.00	7.82	17.63

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7610	5.08	2.57	0.00	0.19	0.00	0.00	5.20	13.04	6.35	2.63	0.00	0.19	0.00	0.00	7.32	16.49
7620	12.07	6.75	7.56	2.72	0.00	0.00	18.17	47.27	15.08	6.89	9.96	3.59	0.00	0.00	24.77	60.29
7625	1.28	0.65	0.00	0.05	0.00	0.00	1.31	3.29	1.60	0.66	0.00	0.05	0.00	0.00	1.84	4.15
7630	1.44	0.73	0.00	0.05	0.00	0.00	1.47	3.69	1.79	0.75	0.00	0.05	0.00	0.00	2.07	4.66
7635	1.47	0.74	0.00	0.05	0.00	0.00	1.50	3.76	1.83	0.76	0.00	0.05	0.00	0.00	2.12	4.76
7640	15.98	7.37	9.59	2.69	0.00	0.00	17.31	52.94	19.97	7.56	12.64	3.54	0.00	0.00	24.04	67.75
7645	1.81	0.92	0.00	0.05	0.00	0.00	1.86	4.64	2.27	0.94	0.00	0.05	0.00	0.00	2.62	5.88
7650	2.38	1.21	0.00	0.05	0.00	0.00	2.44	6.08	2.97	1.24	0.00	0.05	0.00	0.00	3.43	7.69
7655	1.99	1.01	0.00	0.05	0.00	0.00	2.03	5.08	2.48	1.03	0.00	0.05	0.00	0.00	2.86	6.42
7660	21.32	9.83	12.91	3.62	0.00	0.00	23.11	70.79	26.66	10.09	17.01	4.76	0.00	0.00	32.09	90.61
7665	2.37	1.20	0.00	0.12	0.00	0.00	2.43	6.12	2.96	1.23	0.00	0.12	0.00	0.00	3.42	7.73
7670	2.60	1.32	0.00	0.13	0.00	0.00	2.66	6.71	3.25	1.35	0.00	0.13	0.00	0.00	3.74	8.47
7675	2.27	1.15	0.00	0.11	0.00	0.00	2.33	5.86	2.84	1.18	0.00	0.11	0.00	0.00	3.27	7.40
7680	0.10	0.05	0.00	0.05	0.00	0.00	0.10	0.30	0.12	0.05	0.00	0.05	0.00	0.00	0.14	0.36
7685	0.60	0.31	0.00	0.11	0.00	0.00	0.62	1.64	0.75	0.31	0.00	0.11	0.00	0.00	0.87	2.04
7695	12.02	6.48	7.18	2.01	2.41	0.36	9.67	40.13	15.03	6.64	9.45	2.65	5.05	0.76	13.10	52.68
7700	17.09	9.51	10.26	2.87	5.62	0.84	13.85	60.04	21.36	9.73	13.50	3.78	11.77	1.76	18.75	80.65
7705	24.00	13.64	15.39	4.31	7.18	1.08	19.54	85.14	30.00	13.96	20.25	5.67	15.04	2.26	26.46	113.64
7715	18.71	10.37	10.33	2.89	5.88	0.88	15.15	64.21	23.39	10.62	13.59	3.81	12.32	1.85	20.51	86.09
7720	30.72	17.56	19.56	5.48	9.74	1.46	25.04	109.56	38.40	17.98	25.74	7.21	20.40	3.06	33.91	146.70
7730	1.03	0.56	1.47	0.41	0.22	0.03	0.83	4.55	1.29	0.58	1.93	0.54	0.46	0.07	1.13	6.00
7735	1.17	0.63	1.71	0.48	0.22	0.03	0.94	5.18	1.47	0.65	2.25	0.63	0.46	0.07	1.28	6.81
7740	1.31	0.72	2.12	0.59	0.27	0.04	1.06	6.11	1.64	0.73	2.79	0.78	0.55	0.08	1.43	8.00
7750	0.25	0.13	0.68	0.19	0.03	0.01	0.29	1.58	0.31	0.14	0.89	0.25	0.05	0.01	0.41	2.06
7755	1.05	0.55	1.37	0.38	0.06	0.01	1.24	4.66	1.31	0.56	1.78	0.50	0.09	0.01	1.72	5.97
7760	1.46	0.76	2.13	0.60	0.06	0.01	1.72	6.74	1.82	0.78	2.77	0.78	0.09	0.01	2.39	8.64
7765	2.66	1.40	2.19	0.61	0.19	0.03	3.15	10.23	3.33	1.43	2.88	0.81	0.27	0.04	4.37	13.13
7770	5.44	2.84	3.59	1.01	0.33	0.05	6.44	19.70	6.81	2.91	4.72	1.32	0.46	0.07	8.95	25.24
7785	1.79	0.93	0.82	0.23	0.06	0.01	2.12	5.96	2.24	0.95	1.08	0.30	0.09	0.01	2.94	7.61
7790	3.50	1.82	1.50	0.42	0.19	0.03	4.14	11.60	4.38	1.87	1.98	0.55	0.27	0.04	5.75	14.84
7795	3.88	2.02	1.88	0.53	0.19	0.03	4.58	13.11	4.85	2.06	2.47	0.69	0.27	0.04	6.36	16.74
7800	6.29	3.21	3.86	1.08	0.00	0.00	7.40	21.84	7.86	3.28	5.08	1.42	0.00	0.00	10.28	27.92
7805	12.32	6.28	5.98	1.68	0.00	0.00	14.50	40.76	15.40	6.43	7.87	2.20	0.00	0.00	20.14	52.04
7815	10.17	5.19	3.42	0.96	0.00	0.00	11.98	31.72	12.72	5.31	4.50	1.26	0.00	0.00	16.63	40.42
7820	14.82	7.56	5.47	1.53	0.00	0.00	17.45	46.83	18.53	7.74	7.20	2.02	0.00	0.00	24.23	59.72
7825	18.86	9.62	5.47	1.53	0.00	0.00	22.20	57.68	23.58	9.85	7.20	2.02	0.00	0.00	30.84	73.49
7835	8.17	4.17	2.29	0.64	0.00	0.00	9.61	24.88	10.21	4.27	3.01	0.84	0.00	0.00	13.35	31.68
7840	8.89	4.54	2.29	0.64	0.00	0.00	10.47	26.83	11.12	4.65	3.01	0.84	0.00	0.00	14.54	34.16
7845	9.16	4.68	2.29	0.64	0.00	0.00	10.79	27.56	11.45	4.79	3.01	0.84	0.00	0.00	14.98	35.07
7850	17.25	8.80	5.13	1.44	0.00	0.00	20.31	52.93	21.57	9.01	6.75	1.89	0.00	0.00	28.21	67.43
7855	21.42	10.93	5.98	1.68	0.00	0.00	25.22	65.23	26.78	11.19	7.87	2.20	0.00	0.00	35.03	83.07
7870	0.89	0.34	2.71	0.76	0.12	0.02	0.92	5.76	1.07	0.35	3.61	1.01	0.15	0.02	1.26	7.47
7875	1.11	0.42	2.71	0.76	0.14	0.02	1.14	6.30	1.33	0.43	3.61	1.01	0.19	0.03	1.56	8.16
7880	0.93	0.36	2.71	0.76	0.19	0.03	0.96	5.94	1.11	0.37	3.61	1.01	0.23	0.03	1.32	7.68
7885	1.13	0.43	2.71	0.76	0.22	0.03	1.17	6.45	1.36	0.44	3.61	1.01	0.29	0.04	1.60	8.35
7890	1.03	0.41	2.71	0.76	0.30	0.04	1.08	6.33	1.24	0.42	3.61	1.01	0.38	0.06	1.48	8.20
7895	1.40	0.71	6.20	1.86	0.38	0.06	1.25	11.86	1.87	0.74	7.97	2.39	0.49	0.07	1.95	15.48
7900	1.97	0.98	3.69	0.96	0.38	0.06	1.75	9.79	2.63	1.01	4.80	1.25	0.49	0.07	2.72	12.97
7905	1.64	0.82	7.12	2.14	0.38	0.06	1.46	13.62	2.18	0.85	9.16	2.75	0.49	0.07	2.27	17.77
7910	2.25	1.11	3.69	0.96	0.38	0.06	1.99	10.44	2.99	1.14	4.80	1.25	0.49	0.07	3.09	13.83
7915	1.79	0.91	7.12	2.14	0.47	0.07	1.60	14.10	2.39	0.94	9.16	2.75	0.59	0.09	2.48	18.40
7920	2.24	1.16	3.69	0.96	0.81	0.12	2.01	10.99	2.98	1.20	4.80	1.25	1.03	0.15	3.12	14.53
7925	3.00	1.37	13.34	4.27	0.82	0.12	2.48	25.40	4.00	1.42	17.18	5.50	1.06	0.16	3.86	33.18
7930	4.14	1.87	5.98	1.68	0.98	0.15	3.41	18.21	5.51	1.94	7.78	2.18	1.27	0.19	5.31	24.18
7935	4.33	1.96	5.98	1.68	1.01	0.15	3.58	18.69	5.78	2.03	7.78	2.18	1.29	0.19	5.56	24.81

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
7940	4.08	1.85	5.98	1.68	1.01	0.15	3.37	18.12	5.44	1.92	7.78	2.18	1.29	0.19	5.24	24.04
7945	4.80	2.16	5.98	1.68	1.01	0.15	3.96	19.74	6.40	2.24	7.78	2.18	1.29	0.19	6.16	26.24
7950	6.32	2.84	8.17	2.29	1.33	0.20	5.21	26.36	8.43	2.95	10.63	2.98	1.71	0.26	8.10	35.06
7955	6.70	3.01	8.17	2.29	1.43	0.21	5.52	27.33	8.93	3.13	10.63	2.98	1.84	0.28	8.59	36.38
7960	6.34	2.86	8.17	2.29	1.43	0.21	5.23	26.53	8.45	2.97	10.63	2.98	1.84	0.28	8.13	35.28
7965	6.28	2.80	9.78	2.74	1.20	0.18	5.17	28.15	8.37	2.91	12.72	3.56	1.55	0.23	8.04	37.38
7975	0.99	0.38	2.85	0.80	0.15	0.02	1.02	6.21	1.18	0.39	3.79	1.06	0.19	0.03	1.39	8.03
7980	1.27	0.48	2.76	0.77	0.15	0.02	1.30	6.75	1.52	0.49	3.68	1.03	0.19	0.03	1.79	8.73
7985	1.39	0.52	2.85	0.80	0.16	0.02	1.42	7.16	1.66	0.53	3.79	1.06	0.21	0.03	1.95	9.23
7990	1.30	0.49	2.85	0.80	0.16	0.02	1.33	6.95	1.56	0.50	3.79	1.06	0.20	0.03	1.83	8.97
7995	1.39	0.52	2.85	0.80	0.19	0.03	1.42	7.20	1.66	0.54	3.79	1.06	0.25	0.04	1.95	9.29
8000	1.24	0.48	2.76	0.77	0.30	0.04	1.29	6.88	1.49	0.50	3.68	1.03	0.38	0.06	1.77	8.91
8005	1.29	0.66	6.48	1.94	0.38	0.06	1.15	11.96	1.71	0.68	8.33	2.50	0.49	0.07	1.79	15.57
8010	1.41	0.71	6.48	1.94	0.38	0.06	1.25	12.23	1.87	0.74	8.33	2.50	0.49	0.07	1.95	15.95
8015	2.03	1.00	3.76	0.98	0.38	0.06	1.80	10.01	2.71	1.04	4.89	1.27	0.49	0.07	2.80	13.27
8020	1.48	0.76	7.20	2.16	0.47	0.07	1.32	13.46	1.97	0.79	9.26	2.78	0.59	0.09	2.06	17.54
8025	3.01	1.49	5.13	1.33	0.61	0.09	2.67	14.33	4.01	1.55	6.67	1.73	0.77	0.12	4.15	19.00
8030	2.80	1.32	12.38	3.96	1.07	0.16	2.33	24.02	3.73	1.37	15.95	5.10	1.38	0.21	3.63	31.37
8035	3.41	1.57	7.01	1.96	1.07	0.16	2.83	18.01	4.55	1.63	9.11	2.55	1.38	0.21	4.40	23.83
8040	4.01	1.79	8.04	2.25	0.76	0.11	3.30	20.26	5.35	1.86	10.45	2.93	0.97	0.15	5.14	26.85
8045	4.47	2.02	7.18	2.01	1.07	0.16	3.69	20.60	5.96	2.10	9.34	2.61	1.38	0.21	5.74	27.34
8050	4.15	2.05	5.24	1.36	0.76	0.11	3.68	17.35	5.54	2.12	6.82	1.77	0.95	0.14	5.72	23.06
8055	5.24	2.35	10.26	2.87	1.07	0.16	4.32	26.27	6.99	2.44	13.34	3.73	1.38	0.21	6.72	34.81
8060	5.36	2.43	10.50	2.94	1.27	0.19	4.43	27.12	7.15	2.52	13.65	3.82	1.62	0.24	6.88	35.88
8065	6.28	2.84	10.50	2.94	1.47	0.22	5.18	29.43	8.37	2.95	13.65	3.82	1.89	0.28	8.06	39.02
8075	1.52	0.75	3.53	0.92	0.28	0.04	1.34	8.38	2.02	0.78	4.59	1.19	0.35	0.05	2.09	11.07
8080	1.36	0.67	5.92	1.78	0.28	0.04	1.20	11.25	1.81	0.70	7.61	2.28	0.35	0.05	1.87	14.67
8085	1.97	0.96	3.76	0.98	0.28	0.04	1.74	9.73	2.63	1.00	4.89	1.27	0.35	0.05	2.71	12.90
8090	2.49	1.22	4.10	1.07	0.38	0.06	2.20	11.52	3.32	1.26	5.34	1.39	0.49	0.07	3.42	15.29
8095	4.13	1.88	7.18	2.01	1.07	0.16	3.41	19.84	5.50	1.95	9.34	2.61	1.38	0.21	5.30	26.29
8100	5.53	2.47	7.87	2.20	1.07	0.16	4.55	23.85	7.37	2.56	10.23	2.86	1.38	0.21	7.08	31.69
8105	5.82	2.59	10.26	2.87	1.07	0.16	4.79	27.56	7.76	2.69	13.34	3.73	1.38	0.21	7.45	36.56
8110	5.67	2.53	7.18	2.01	1.07	0.16	4.66	23.28	7.56	2.62	9.34	2.61	1.38	0.21	7.25	30.97
8115	5.94	2.64	7.87	2.20	1.07	0.16	4.88	24.76	7.91	2.74	10.23	2.86	1.38	0.21	7.59	32.92
8125	6.24	2.78	10.26	2.87	1.12	0.17	5.13	28.57	8.31	2.88	13.34	3.73	1.45	0.22	7.98	37.91
8130	6.29	2.80	10.26	2.87	1.12	0.17	5.17	28.68	8.38	2.90	13.34	3.73	1.45	0.22	8.04	38.06
8135	6.78	3.00	9.23	2.59	1.12	0.17	5.57	28.46	9.04	3.12	12.00	3.36	1.45	0.22	8.67	37.86
8145	6.88	3.07	8.38	2.35	1.42	0.21	5.66	27.97	9.17	3.19	10.89	3.05	1.86	0.28	8.81	37.25
8150	6.07	2.71	10.26	2.87	1.12	0.17	5.00	28.20	8.10	2.81	13.34	3.73	1.45	0.22	7.77	37.42
8155	5.85	2.61	10.26	2.87	1.12	0.17	4.81	27.69	7.80	2.71	13.34	3.73	1.45	0.22	7.49	36.74
8160	6.58	2.92	11.97	3.35	1.12	0.17	5.41	31.52	8.78	3.03	15.56	4.36	1.45	0.22	8.41	41.81
8170	2.58	1.08	0.00	0.10	0.00	0.00	2.37	6.13								
8175	3.10	1.29	0.00	0.10	0.00	0.00	2.84	7.33								
8180	4.80	2.01	0.00	0.10	0.00	0.00	4.40	11.31								
8185	5.93	2.48	0.00	0.10	0.00	0.00	5.43	13.94								
8190	6.58	2.75	0.00	0.10	0.00	0.00	6.03	15.46								
8200	0.62	0.26	0.00	0.09	0.00	0.00	0.57	1.54	0.83	0.27	0.00	0.09	0.00	0.00	0.87	2.06
8205	0.99	0.41	0.00	0.09	0.00	0.00	0.91	2.40	1.32	0.43	0.00	0.09	0.00	0.00	1.38	3.22
8210	1.00	0.42	0.00	0.09	0.00	0.00	0.92	2.43	1.33	0.43	0.00	0.09	0.00	0.00	1.40	3.25
8215	1.01	0.42	0.00	0.09	0.00	0.00	0.93	2.45	1.35	0.44	0.00	0.09	0.00	0.00	1.42	3.30
8225	0.20	0.08	0.00	0.00	0.00	0.00	0.19	0.47								
8230	0.21	0.09	0.00	0.00	0.00	0.00	0.19	0.49								
8235	0.23	0.10	0.00	0.00	0.00	0.00	0.21	0.54								
8240	0.27	0.11	0.00	0.00	0.00	0.00	0.25	0.63								
8245	0.30	0.12	0.00	0.00	0.00	0.00	0.27	0.69								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

UNIT NO	AVERAGE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	SEVERE CONDITIONS DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8250	0.28	0.12	0.00	0.00	0.00	0.00	0.26	0.66								
8260	0.23	0.10	0.00	0.09	0.00	0.00	0.21	0.63								
8265	0.27	0.11	0.00	0.09	0.00	0.00	0.25	0.72								
8270	0.75	0.32	0.00	0.09	0.00	0.00	0.69	1.85								
8275	0.85	0.35	0.00	0.09	0.00	0.00	0.78	2.07								
8285	2.67	1.11	0.00	0.13	0.00	0.00	2.44	6.35								
8290	2.71	1.13	0.00	0.13	0.00	0.00	2.48	6.45								
8295	2.74	1.14	0.00	0.13	0.00	0.00	2.51	6.52								
8300	2.78	1.16	0.00	0.13	0.00	0.00	2.55	6.62								
8310	1.19	0.50	0.00	0.00	0.00	0.00	1.09	2.78								
8315	1.26	0.53	0.00	0.00	0.00	0.00	1.15	2.94								
8320	1.34	0.56	0.00	0.00	0.00	0.00	1.23	3.13								
8330	2.06	1.05	0.00	0.09	0.53	0.08	1.54	5.35	2.57	1.07	0.00	0.09	0.63	0.09	2.24	6.69
8335	2.47	1.24	0.00	0.09	0.53	0.08	1.85	6.26	3.09	1.27	0.00	0.09	0.63	0.09	2.69	7.86
8340	2.51	1.26	0.00	0.09	0.53	0.08	1.87	6.34	3.14	1.29	0.00	0.09	0.63	0.09	2.73	7.97
8345	2.96	1.49	0.00	0.09	0.68	0.10	2.21	7.53	3.70	1.53	0.00	0.09	0.82	0.12	3.23	9.49
8350	3.53	1.75	0.00	0.09	0.67	0.10	2.63	8.77	4.41	1.80	0.00	0.09	0.80	0.12	3.84	11.06
8355	7.06	3.68	0.00	0.09	2.28	0.34	5.31	18.76	8.83	3.77	0.00	0.09	2.74	0.41	7.74	23.58
8360	7.74	4.08	0.00	0.09	2.76	0.41	5.83	20.91	9.67	4.18	0.00	0.09	3.32	0.50	8.50	26.26
8370	2.78	1.38	0.00	0.09	0.53	0.08	2.08	6.94	3.48	1.42	0.00	0.09	0.63	0.09	3.03	8.74
8380	1.28	0.90	0.00	0.09	0.42	0.06	1.00	3.75								
8385	1.42	1.00	0.00	0.09	0.48	0.07	1.11	4.17								
8390	1.55	1.09	0.00	0.09	0.53	0.08	1.21	4.55								
8395	1.77	1.26	0.00	0.13	0.64	0.10	1.39	5.29								
8400	1.83	1.32	0.00	0.13	0.72	0.11	1.44	5.55								
8405	2.12	1.52	0.00	0.13	0.79	0.12	1.67	6.35								
8410	2.25	1.64	0.00	0.13	0.97	0.15	1.78	6.92								
8415	2.81	1.99	0.00	0.13	0.97	0.15	2.20	8.25								
8420	2.91	2.05	0.00	0.13	0.97	0.15	2.28	8.49								
8425	3.34	2.34	0.00	0.17	1.05	0.16	2.61	9.67								
8430	3.59	2.53	0.00	0.17	1.18	0.18	2.81	10.46								
8435	3.98	2.80	0.00	0.17	1.30	0.19	3.11	11.55								
8440	4.45	3.25	0.00	0.17	1.94	0.29	3.52	13.62								
8445	1.03	0.77	0.00	0.09	0.53	0.08	0.83	3.33								
8455	0.99	0.74	0.00	0.09	0.53	0.08	0.79	3.22								
8465	1.24	0.90	0.00	0.11	0.53	0.08	0.98	3.84								
8470	1.26	0.91	0.00	0.11	0.53	0.08	0.99	3.88								
8480	0.65	0.49	0.00	0.10	0.32	0.05	0.52	2.13								
8485	0.74	0.56	0.00	0.10	0.40	0.06	0.59	2.45								
8490	0.79	0.60	0.00	0.10	0.44	0.07	0.64	2.64								
8500	2.02	1.27	2.15	0.60	0.19	0.03	1.34	7.60								
8505	2.07	1.35	2.15	0.60	0.38	0.06	1.38	7.99								
8510	2.17	1.41	2.15	0.60	0.38	0.06	1.44	8.21								
8520	19.24	11.11	9.72	3.30	5.58	0.84	14.22	64.01	23.09	11.31	12.55	4.27	9.31	1.40	19.90	81.83
8525	26.66	15.61	14.04	4.77	9.61	1.44	19.74	91.87	31.99	15.89	18.13	6.17	16.03	2.40	27.64	118.25
8530	36.19	21.74	18.79	6.39	12.85	1.93	26.91	124.80	43.42	22.13	24.27	8.25	21.43	3.21	37.68	160.39
8535	17.10	9.95	9.72	3.30	5.58	0.84	12.65	59.14	20.52	10.13	12.55	4.27	9.31	1.40	17.71	75.89
8540	24.77	14.86	14.04	4.77	12.12	1.82	18.42	90.80	29.72	15.12	18.13	6.17	20.21	3.03	25.78	118.16
8550	12.57	7.33	5.08	1.73	3.49	0.52	9.30	40.02	15.08	7.47	6.56	2.23	5.61	0.84	13.02	50.81
8555	15.18	8.78	5.51	1.87	3.66	0.55	11.22	46.77	18.21	8.94	7.11	2.42	5.88	0.88	15.70	59.14
8560	15.25	9.17	5.51	1.87	6.17	0.93	11.34	50.24	18.30	9.33	7.11	2.42	9.92	1.49	15.88	64.45
8565	25.66	15.30	9.72	3.30	9.47	1.42	19.06	83.93	30.80	15.58	12.55	4.27	15.22	2.28	26.69	107.39
8575	12.61	7.32	4.62	1.57	2.82	0.42	9.33	38.69	15.13	7.45	5.97	2.03	4.70	0.70	13.06	49.04
8580	20.18	11.57	9.72	3.30	5.05	0.76	14.89	65.47	24.22	11.77	12.55	4.27	8.42	1.26	20.85	83.34
8585	25.95	15.22	13.13	4.47	9.61	1.44	19.22	89.04	31.14	15.50	16.96	5.77	16.03	2.40	26.91	114.71

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8590	34.01	20.35	13.95	4.74	11.53	1.73	25.27	111.58	40.81	20.71	18.02	6.13	19.22	2.88	35.38	143.15
8595	34.74	20.95	16.31	5.54	12.85	1.93	25.85	118.17	41.69	21.32	21.06	7.16	21.43	3.21	36.20	152.07
8605	25.68	14.76	12.53	4.26	7.74	1.16	18.96	85.09	30.82	15.02	16.18	5.50	13.27	1.99	26.54	109.32
8615	11.20	6.47	4.64	1.58	3.27	0.49	8.28	35.93	13.44	6.59	6.00	2.04	5.45	0.82	11.59	45.93
8620	16.09	9.31	6.93	2.36	4.81	0.72	11.89	52.11	19.30	9.47	8.96	3.05	8.03	1.20	16.64	66.65
8625	19.22	11.50	10.65	3.62	9.15	1.37	14.28	69.79	23.06	11.70	13.75	4.68	15.26	2.29	20.00	90.74
8630	25.98	15.52	13.48	4.58	12.12	1.82	19.30	92.80	31.18	15.80	17.41	5.92	20.21	3.03	27.03	120.58
8635	36.38	21.84	18.14	6.17	12.85	1.93	27.05	124.36	43.65	22.23	23.44	7.97	21.43	3.21	37.87	159.80
8645	19.91	11.48	9.07	3.08	5.58	0.84	14.71	64.67	23.89	11.69	11.72	3.98	9.31	1.40	20.59	82.58
8650	27.31	15.96	12.44	4.23	9.61	1.44	20.22	91.21	32.77	16.25	16.07	5.46	16.03	2.40	28.31	117.29
8655	29.17	17.26	13.87	4.71	12.12	1.82	21.64	100.59	35.00	17.56	17.91	6.09	20.21	3.03	30.29	130.09
8660	32.47	19.39	14.67	4.99	10.74	1.61	24.13	108.00	38.97	19.73	18.94	6.44	17.91	2.69	33.78	138.46
8665	35.90	21.59	17.67	6.01	12.85	1.93	26.70	122.65	43.08	21.97	22.82	7.76	21.43	3.21	37.39	157.66
8675	7.70	5.53	5.13	1.64	1.91	0.29	6.56	28.76	9.24	5.61	6.75	2.16	2.57	0.39	8.52	35.24
8680	13.19	9.70	11.29	3.61	4.34	0.65	11.30	54.08	15.82	9.84	14.85	4.75	5.84	0.88	14.69	66.67
8685	17.90	13.29	15.39	4.92	6.45	0.97	15.38	74.30	21.48	13.49	20.25	6.48	8.69	1.30	19.99	91.68
8690	18.42	13.63	15.39	4.92	6.45	0.97	15.81	75.59	22.10	13.83	20.25	6.48	8.69	1.30	20.55	93.20
8695	20.51	15.34	18.81	6.02	7.93	1.19	17.65	87.45	24.61	15.56	24.75	7.92	10.68	1.60	22.95	108.07
8700	21.76	16.17	18.81	6.02	7.93	1.19	18.70	90.58	26.11	16.41	24.75	7.92	10.68	1.60	24.31	111.78
8710	13.07	9.62	11.29	3.61	4.34	0.65	11.20	53.78	15.68	9.76	14.85	4.75	5.84	0.88	14.56	66.32
8715	17.79	13.22	15.39	4.92	6.45	0.97	15.29	74.03	21.35	13.41	20.25	6.48	8.69	1.30	19.87	91.35
8720	18.05	13.39	15.39	4.92	6.45	0.97	15.50	74.67	21.66	13.59	20.25	6.48	8.69	1.30	20.16	92.13
8725	21.97	16.32	18.81	6.02	7.93	1.19	18.87	91.11	26.37	16.55	24.75	7.92	10.68	1.60	24.54	112.41
8730	22.34	16.56	18.81	6.02	7.93	1.19	19.18	92.03	26.81	16.80	24.75	7.92	10.68	1.60	24.94	113.50
8740	16.17	9.59	11.29	3.61	5.83	0.87	12.00	59.36	19.41	9.76	14.85	4.75	9.76	1.46	16.80	76.79
8745	24.37	14.61	15.39	4.92	9.25	1.39	18.12	88.05	29.25	14.87	20.25	6.48	15.01	2.25	25.37	113.48
8750	37.86	23.29	22.23	7.11	20.50	3.08	28.27	142.34	45.43	23.70	29.25	9.36	34.47	5.17	39.58	186.96
8760	14.53	8.72	9.47	3.03	5.86	0.88	10.81	53.30	17.44	8.87	12.46	3.99	9.68	1.45	15.13	69.02
8765	25.86	14.82	14.47	4.63	4.00	0.60	19.08	83.46	31.03	15.08	19.03	6.09	6.57	0.99	26.71	105.50
8775	16.96	10.04	11.29	3.61	6.00	0.90	12.58	61.38	20.35	10.22	14.85	4.75	10.02	1.50	17.61	79.30
8780	24.18	14.25	15.39	4.92	8.05	1.21	17.93	85.93	29.02	14.50	20.25	6.48	13.49	2.02	25.10	110.86
8790	4.38	1.44	4.59	1.28	0.04	0.01	6.32	18.06								
8795	6.66	2.18	8.06	2.26	0.04	0.01	9.60	28.81								
8805	1.06	0.64	0.00	0.01	0.00	0.00	0.69	2.40								
8810	1.23	0.74	0.00	0.01	0.00	0.00	0.81	2.79								
8815	1.43	0.86	0.00	0.01	0.00	0.00	0.94	3.24								
8825	1.82	1.14	0.61	0.16	0.17	0.03	1.20	5.13								
8830	2.08	1.30	0.61	0.16	0.17	0.03	1.37	5.72								
8835	2.31	1.44	0.61	0.16	0.17	0.03	1.52	6.24								
8845	0.22	0.10	0.48	0.14	0.00	0.00	0.13	1.07								
8850	0.27	0.12	0.60	0.18	0.00	0.00	0.15	1.32								
8860	0.53	0.22	3.63	0.87	0.03	0.00	0.57	5.85								
8865	0.57	0.23	3.63	0.87	0.02	0.00	0.60	5.92								
8870	0.62	0.25	6.05	1.45	0.02	0.00	0.66	9.05								
8875	0.79	0.32	6.43	1.54	0.02	0.00	0.84	9.94								
8885	0.74	0.30	1.14	0.27	0.02	0.00	0.79	3.26								
8890	0.79	0.32	1.61	0.39	0.02	0.00	0.84	3.97								
8895	0.87	0.36	1.61	0.39	0.05	0.01	0.93	4.22								
8900	0.95	0.39	2.71	0.65	0.05	0.01	1.01	5.77								
8910	0.23	0.10	0.24	0.07	0.00	0.00	0.13	0.77								
8915	0.23	0.11	0.48	0.14	0.00	0.00	0.13	1.09								
8925	0.10	0.05	0.46	0.14	0.00	0.00	0.06	0.81								
8930	0.13	0.06	0.58	0.17	0.00	0.00	0.07	1.01								
8935	0.36	0.17	0.72	0.22	0.00	0.00	0.20	1.67								
8940	0.63	0.29	1.01	0.30	0.00	0.00	0.35	2.58								

TABLE 3-5. HOURLY RATE ELEMENTS (CONTINUED)

	AVERAGE CONDITIONS								SEVERE CONDITIONS							
UNIT NO	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE	DEPR	CFC	FUEL	FOG	TIRE WEAR	TIRE RPR	REPR	TOTAL RATE
8950	0.05	0.02	0.46	0.14	0.00	0.00	0.03	0.70								
8955	0.16	0.07	0.58	0.17	0.00	0.00	0.09	1.07								

APPENDIX A

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APPENDIX A

REFERENCES (Cont'd)

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

APPENDIX B

AREA FACTORS

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

Sales or Import Tax Rate:	4.00 %
Working Hours Per Year:	1,600 Hrs/Yr
Labor Adjustment Factor (LAF):	1.000
Electricity Cost Per Kilowatt-Hour:	$ 0.040 /Kw-Hr
Gasoline Cost Per Gallon:	$ 1.150 /Gal.
Diesel Cost Per Gallon (Off-Road Use):	$ 0.900 /Gal.
Diesel Cost Per Gallon (On-Road Use):	$ 1.140 /Gal.

Freight Rates:		0	thru	24,000 lbs.	$14.800 /Cwt.
	over	24,000	thru	30,000 lbs.	$13.800 /Cwt.
	over	30,000	thru	44,000 lbs.	$11.350 /Cwt.
	over	44,000	thru	60,000 lbs.	$ 9.050 /Cwt.
	over	60,000	thru	70,000 lbs.	$ 7.400 /Cwt.
	over	70,000	thru	80,000 lbs.	$ 6.950 /Cwt.
	over	80,000	thru	9999,900 lbs.	$ 6.600 /Cwt.

APPENDIX C

GUIDE FOR SELECTING OPERATING CONDITIONS

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

GUIDE FOR SELECTING OPERATING CONDITIONS (Continued)

EQUIPMENT TYPE	AVERAGE	SEVERE
Tractors, Crawler Type	Production dozing in clays, sands, gravels and talus rock. 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.

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 maintenance with medium to heavy winter snow removal. Elevating grader use.	Maintenance of hard packed roads with embedded rock. Heavy fill spreading. Ripping-scarifying of asphalt or concrete. Continuous high load factor. High impact.
Depreciation Period	12,000 Hrs.	10,000 Hrs.

APPENDIX D

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

TABLE LEGEND
****

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

TABLE LEGEND
****

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

KEY NO.	TYPE OF EQUIPMENT	C	LFE	SLV	EQUIPMENT POWER HP	E	G	D	CARRIER POWER HP	E	G	D	FOG E	G	D	TIRES F	D	T	RPR
196	OVER 5 CY	A	20	20	50	.000	.051	.030	0	.000	.000	.000	0	24	24	0	0	0	100
196		S	18	20	65	.000	.066	.038	0	.000	.000	.000	0	24	24	0	0	0	110
200	CRANES, HYDRAULIC, SELF-PROPELLED	A	16	15	65	.000	.066	.038	0	.000	.000	.000	0	32	30	89	71	90	70
205	CRANES, TOWER	A	18	30	65	.900	.066	.038	10	.900	.010	.006	50	30	26	0	0	0	80
	CRANES & HYD. EXC. , TRK MTD																		
210	UNDER 26 T. (THRU 1 CY)	A	15	15	65	.000	.066	.038	10	.000	.010	.006	0	38	36	97	78	0	50
210		S	13	15	85	.000	.086	.050	13	.000	.013	.007	0	38	36	86	61	0	55
225	26 THRU 65 T (1 TH 2-1/2 CY)	A	18	15	65	.000	.066	.038	10	.000	.010	.006	0	30	26	97	78	0	60
225		S	16	15	85	.000	.086	.050	13	.000	.013	.007	0	30	26	86	61	0	65
230	66 THRU 125 T	A	20	15	65	.000	.066	.038	10	.000	.010	.006	0	30	26	97	78	0	70
230		S	18	15	85	.000	.086	.050	13	.000	.013	.007	0	30	26	86	61	0	75
240	OVER 125 T	A	22	20	65	.000	.066	.038	10	.000	.010	.006	0	30	26	97	78	0	80
240		S	20	20	85	.000	.086	.050	13	.000	.013	.007	0	30	26	86	61	0	85
255	DRILL, AUGER	A	10	20	50	.000	.051	.030	0	.000	.000	.000	0	32	28	67	57	0	90
270	DRILL, BLAST HOLE	A	10	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	90
300	DRILL, CORE	A	10	20	80	.000	.081	.047	0	.000	.000	.000	0	16	24	0	0	0	90
315	DRILL, ROTARY TO 11" DIA. HOLE	A	15	20	80	.000	.081	.047	10	.000	.010	.006	0	38	38	62	44	0	90
330	DRILL, ROTARY OVER 11" DIA.	A	20	20	80	.000	.081	.047	0	.000	.000	.000	0	32	32	62	44	0	90
345	DRILL, ROTARY OVER 11" DIA., ELECTRIC	A	20	20	70	.700	.000	.000	0	.000	.000	.000	50	0	0	0	0	0	45
375	FORK LIFTS	A	10	20	65	.900	.066	.038	0	.000	.000	.000	45	24	24	87	78	90	70
390	GRADERS	A	12	25	60	.000	.061	.035	0	.000	.000	.000	0	20	34	89	71	0	60
390		S	10	25	78	.000	.079	.046	0	.000	.000	.000	0	20	34	71	51	0	70
420	GENERATORS	A	8	15	65	.000	.066	.038	0	.000	.000	.000	0	24	24	0	0	90	60
420		S	7	15	85	.000	.086	.050	0	.000	.000	.000	0	24	24	0	0	90	70
435	HOIST	A	10	20	65	.000	.066	.038	0	.000	.000	.000	0	24	24	0	0	0	80
	HYD. EXCAVATOR (SEE KEY NO. 570-601)																		
440	LIGHT PLANTS	A	8	25	85	.000	.086	.050	0	.000	.000	.000	0	24	24	0	0	90	150
450	LOADER, BELT	A	10	25	65	.000	.066	.038	0	.000	.000	.000	0	28	28	26	0	99	90
450		S	8	25	85	.000	.086	.050	0	.000	.000	.000	0	28	28	16	0	96	100
460	LOADER, FRONT END &LOADER F/E	A	10	20	70	.000	.071	.041	0	.000	.000	.000	0	32	38	0	0	0	125
460	WITH BACKHOE, CRAWLER TYPE	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	A	10	25	65	.000	.066	.038	0	.000	.000	.000	0	32	32	72	50	0	80
475	BACKHOE,WHEEL TYPE	S	8	25	85	.000	.086	.050	0	.000	.000	.000	0	32	32	57	35	0	85
480	PILE EXTRACTOR, PILE HAMMER & HYDRAULIC IMPACTOR	A	6	30	65	.000	.066	.038	0	.000	.000	.000	0	32	32	0	0	0	90
485	PIPELAYERS	A	12	35	35	.000	.000	.021	0	.000	.000	.000	0	0	40	0	0	0	75
485		S	10	35	45	.000	.000	.027	0	.000	.000	.000	0	0	40	0	0	0	85
	PUMP, GROUT (SEE KEY NO. 105)																		
495	PUMP, WATER, ENGINE DRIVE	A	10	25	90	.000	.091	.053	0	.000	.000	.000	0	32	38	0	0	0	80
500	PUMP, WATER, ELECTRIC DRIVE	A	10	25	90	.900	.000	.000	0	.000	.000	.000	45	0	0	0	0	0	40
510	RIPPERS	A	8	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	80
510		S	6	20	0	.000	.000	.000	0	.000	.000	.000	0	0	0	0	0	0	90
525	ROLLERS,EXCEPT VIB. ROLLERS	A	10	20	65	.000	.066	.038	65	.000	.066	.038	0	24	24	76	60	84	80
530	ROLLERS, VIBRATORY	A	8	20	90	.000	.091	.053	90	.000	.091	.053	0	32	32	76	60	84	100
540	SCRAPERS, STANDARD	A	10	15	60	.000	.000	.035	60	.000	.000	.035	0	0	32	59	33	65	60
540		S	8	15	78	.000	.000	.046	78	.000	.000	.046	0	0	32	39	19	43	65
542	SCRAPERS, TANDEM POWERED	A	10	15	62	.000	.000	.037	62	.000	.000	.037	0	0	26	59	33	65	65
542		S	8	15	81	.000	.000	.048	81	.000	.000	.048	0	0	26	39	19	43	70
	SCRAPERS, ELEVATING																		
545	0 THRU 200 HP	A	10	20	66	.000	.000	.039	66	.000	.000	.039	0	0	40	59	33	65	75
545		S	8	20	86	.000	.000	.051	86	.000	.000	.051	0	0	40	39	19	43	80
550	OVER 200 HP	A	10	15	66	.000	.000	.039	66	.000	.000	.039	0	0	32	59	33	65	65
550		S	8	15	86	.000	.000	.051	86	.000	.000	.051	0	0	32	39	19	43	70
555	SCRAPERS, TRACTOR DRAWN	A	12	15	0	.000	.000	.000	0	.000	.000	.000	0	0	0	65	0	72	70
555		S	10	15	0	.000	.000	.000	0	.000	.000	.000	0	0	0	50	0	55	75
560	SOIL STABILIZERS	A	10	20	66	.000	.000	.039	66	.000	.000	.039	0	0	28	59	33	65	75
560		S	8	20	86	.000	.000	.051	86	.000	.000	.051	0	0	28	39	19	43	85
	SHOVELS, BACKHOES, & HYDRAULIC EXCAVATORS CRAWLER MOUNTED																		
570	0 THRU 1 CY	A	8	25	60	.000	.061	.035	0	.000	.000	.000	0	38	38	0	0	0	70
570		S	6	25	78	.000	.079	.046	0	.000	.000	.000	0	38	38	0	0	0	80
585	OVER 1 CY THRU 2-1/2 CY	A	10	20	60	.000	.061	.035	0	.000	.000	.000	0	20	20	0	0	0	80
585		S	8	20	78	.000	.079	.046	0	.000	.000	.000	0	20	20	0	0	0	90
595	OVER 2-1/2 CY THRU 5 CY	A	12	15	60	.000	.061	.035	0	.000	.000	.000	0	22	22	0	0	0	90
595		S	10	15	78	.000	.079	.046	0	.000	.000	.000	0	22	22	0	0	0	100

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (CONTINUED)

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

APPENDIX E

ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT 1967 = 1000

	YEAR PURCHASE NEW												
	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
	AGE IN YEARS												
CATEGORY	0	1	2	3	4	5	6	7	8	9	10	11	12
Air Equipment	1772	1688	1695	1668	1563	1630	1521	1354	1295	1186	1165	1028	935
Asphalt & Concrete Paving Equipment	2662	2610	2583	2620	2461	2296	2111	1941	1815	1686	1610	1451	1304
Buckets	4598	4508	4471	4541	4313	3879	3280	2963	2738	2520	2175	1838	1430
Cranes, Draglines & Clamshells - Crawler & Truck Mounted	3437	3370	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305
Drills	2857	2801	2836	2810	2602	2265	1993	1858	1699	1638	1559	1373	1249
Generators	3468	3400	3314	3236	3160	2817	2390	2301	2128	2053	1839	1456	1316
Graders, Motor	3802	3727	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361
Loaders, Track	3867	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329
Loaders, Wheel	4061	3981	3873	3788	3441	2938	2606	2375	2156	2002	1907	1584	1362
Pile Driving Equipment	3651	3579	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307
Rollers	4002	3924	3744	3431	3199	2913	2653	2396	2139	1983	1872	1556	1328
Scrapers and Soil Stabilizers	3802	3727	3643	3561	3276	2992	2687	2492	2259	2109	1956	1604	1361
Shovels, Backhoes & Hydraulic Excavators	3437	3370	3282	3213	3009	2782	2512	2301	2138	2010	1843	1522	1305
Tractors, Crawler & Attachments	3867	3791	3792	3655	3349	3061	2750	2482	2247	2053	1916	1573	1329
Tractors, Wheel	3729	3656	3557	3530	3256	2927	2578	2319	2125	1956	1813	1498	1288
Trenchers	4520	4431	4360	4097	3618	3153	2772	2580	2300	1894	1633	1527	1384
Trucks, Highway	3128	3067	2934	2824	2638	2324	2108	1934	1775	1646	1524	1369	1230
Trucks & Wagons - Off Highway	3862	3786	3744	3662	3363	2964	2588	2364	2196	2081	1965	1568	1315
All Other Equipment	3651	3579	3519	3439	3208	2894	2562	2329	2135	1989	1852	1523	1307
All Tires & Tubes	2487	2438	2453	2552	2506	2369	2055	1792	1699	1615	1485	1334	1114

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	Factor Severe
A	Maintenance	1.00	1.00
B	Speeds	0.80	0.85
C	Curves	1.00	0.90
D	Surface Condition	0.90	0.70
E	Loads	0.90	0.80
		0.648	0.428
F	Wheel Positions		
	Trailing (T-Tire)	1.00	1.00
	Front (F-Tire)	0.90	0.90
	Driver (D-Tire)		
	(Rear Dump)	0.70	0.70
	(Bottom Dump)	0.70	0.70
	(Self-Propelled Scrapers)	0.60	0.60
G	Grades		
	(Drive Tire Only)	0.85	0.75
FINAL TIRE WEAR FACTORS			
	Trailing (T-Tire)	0.65	0.43
	Front (F-Tire)	0.58	0.39
	Driver (D-Tire)		
	(Rear Dump)	0.39	0.22
	(Bottom Dump)	0.39	0.22
	(Self-Propelled Scrapers)	0.33	0.19

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

TABLE F-1. Maximum Tire Life.

Bias Ply Tires:	
Off-highway E4, L4, & L5	7,000 Hours
All other bias ply tires	5,000 Hours
Radial Ply Tires:	
Off-highway RL4	8,300 Hours
All other radial ply tires	6,000 Hours

APPENDIX G

EQUIPMENT EXTRAS

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

(1) Crane, Crawler-Mounted.

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

(2) 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.